83-#917-11833

DIAMOND DRILLING AND GEOCHEMICAL REPORT

on the

MAC 1-9, KAY 1-12 and ALPHA 2 claims

CARIBOO MINING DIVISION, BRITISH COLUMBIA

NTS 93A/7E

52° 19' North Latitude 120° 37' West Longitude

56 Km due east of Horsefly, B.C.

OWNER OF MAC 1-9, KAY 1-11 Claims

EUREKA RESOURCES INC.
837 East Cordova Street
Vancouver, British Columbia
V6A 3R2

OWNER of KAY 12 and ALPHA 2 Claims

Amoco Canada Petroleum Co. Ltd.
300 - 89 Queensway West
Mississauga, Ontario
L5B 2V2

OPERATOR

Amoco Canada Petroleum Co. Ltd.
300 - 89 Queensway West
Mississauga, Ontario
L5B 2V2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,833

Report prepared by
Paul Brown
November 30, 1983

TABLE OF CONTENTS

TABLES

APPENDICES

LIST OF FIGURES

LIST OF MAPS (BACK POCKET)

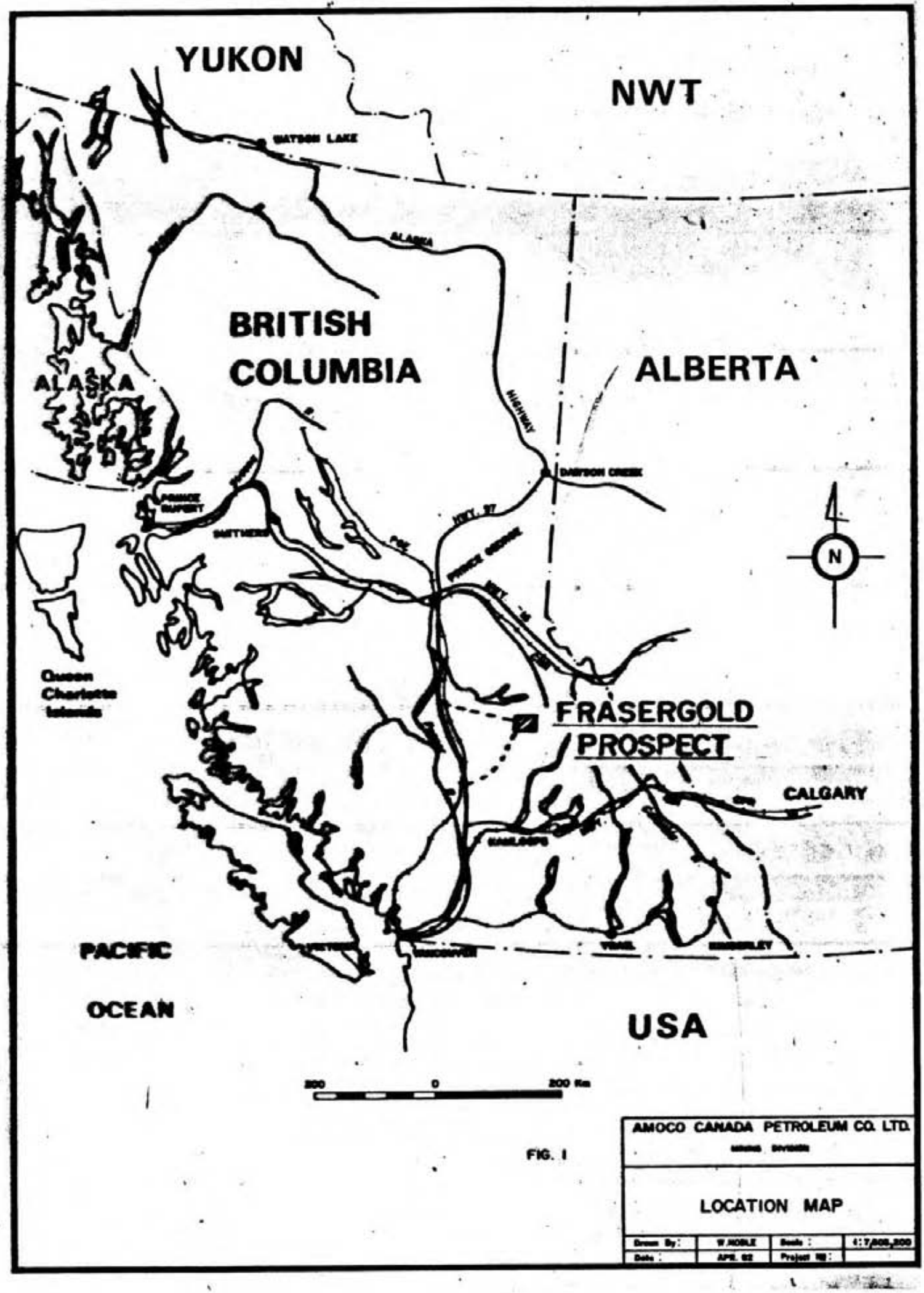


FIG. 1

AMOCO CANADA PETROLEUM CO. LTD.			
LOCATION MAP			
Drawn By:	W.NOBLE	Scale:	1:7,605,200
Date:	APR. 92	Project No:	

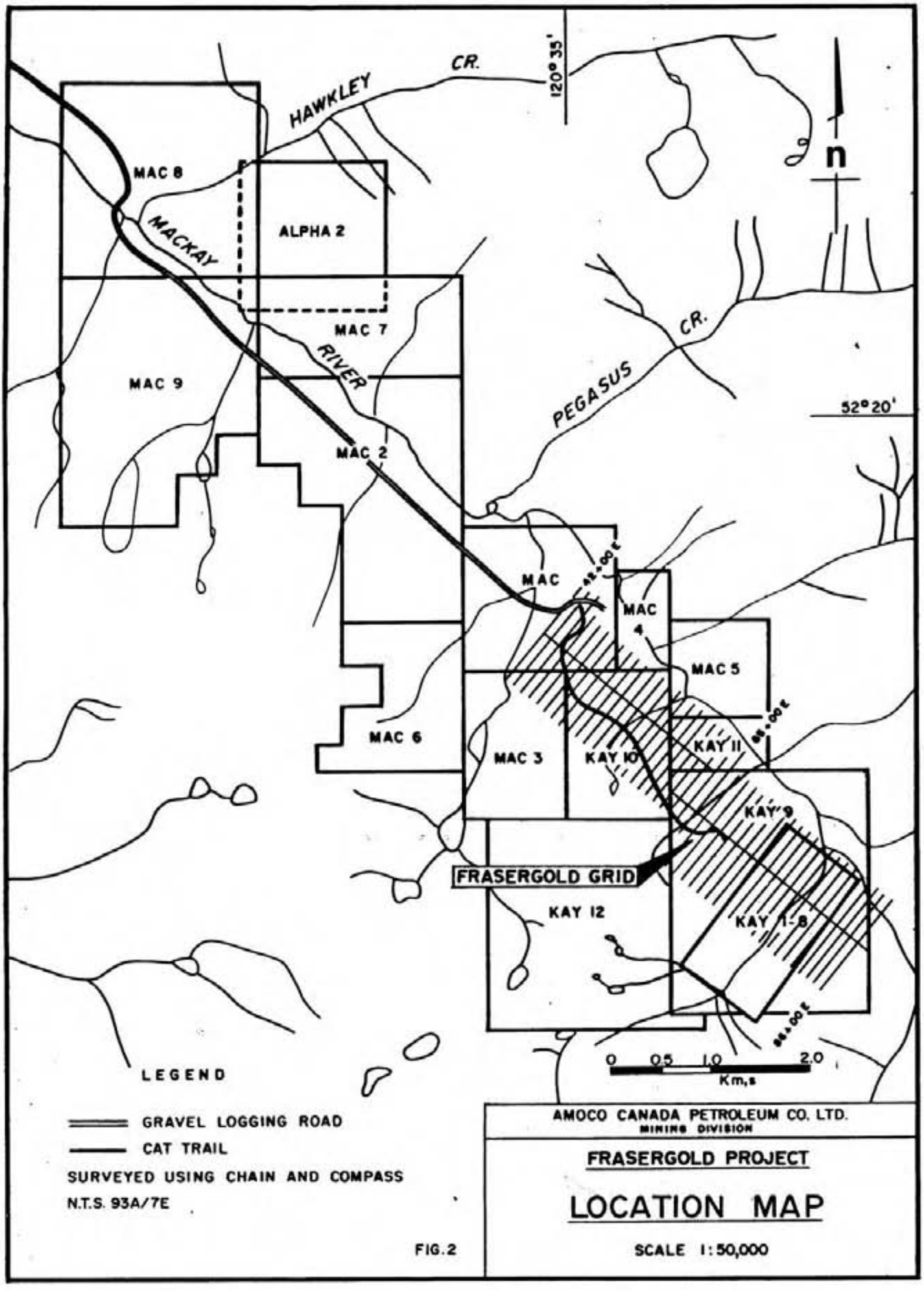

HAWKLEY CR.
120° 35'
n
MAC 8
MACKAY
ALPHA 2
MAC 7
MAC 9
RIVER
PEGASUS CR.
52° 20'
MAC 2
MAC
MAC 4
MAC 5
MAC 6
MAC 3
KAY 10
KAY 11
KAY 9
FRASERGOLD GRID
KAY 12
KAY 1-8
0 0.5 1.0 2.0
Km.s
LEGEND
GRAVEL LOGGING ROAD
CAT TRAIL
SURVEYED USING CHAIN AND COMPASS
N.T.S. 93A/7E
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION
FRASERGOLD PROJECT
LOCATION MAP
SCALE 1:50,000

FIG. 2

INTRODUCTION

The MAC 1-9, KAY 1-12 and ALPHA 2 claims consisting of 159 contiguous units are located in the MacKay River Valley area of the Cariboo Mining Division, B.C. For assessment purposes the property has been divided into the MacKay North and MacKay South Claim Groups.

The property has been optioned by Amoco Canada Petroleum Co. Ltd. from Eureka Resources Inc, the registered owners of the claims. The author spent the period July 20th to November 3rd 1983 supervising a detailed evaluation of the property.

The area is primarily underlain by a sequence of volcanic and sedimentary rocks of Upper Triassic to Lower Jurassic age which were deposited in an island arc-type environment. The claim group is situated along the north limb of a major northwest-trending, overturned syncline The most widespread unit on the property is a thick sequence of Upper Triassic, dark gray to black lusterous phyllite containing up to 30% quartz veins.

The MacKay River Valley first received attention in the early 1900's when placer gold was found in Frasergold Creek, however it proved uneconomic. Very little exploration work was performed prior to 1978. Between 1978 - 1981 anomalous gold values in soil and rock chip samples were encountered between Frasergold Creek and Eureka Brook.

Amoco Canada Petroleum Co. Ltd. optioned the property in July 1983. This report along with accompaning maps describe the results of soil sampling and diamond drilling performed on the property during the period July 22nd - October 31st 1983.

To facilitate access to the property for diamond drilling 6904 meters of road $\approx$ 6 meters wide were constructed from the end of existing logging

roads, using a D8K Caterpillar Bulldozer. Eight hundred and twenty soil samples were collected and analysed for Au to augment the information supplied by Euneka Resources Inc. The strongest soil anomalies were tested by 1644.1 meters of diamond drilling in 5 drill holes producing NQ core. This drilling confirmed the presence of gold associated with quartz veins in the phyllite.

LOCATION AND ACCESS

The MAC 1-9, KAY 1-12 and ALPHA 2 claims are located in the Frasergold Creek Valley on the western flank of the Cariboo Mountain, approximately 56 km due east of Horsefly, B.C. The claim block is located on Claim Map 93A/7E. The property is centered at 52°19' North Latitude and 120°37' West Longitude.

Access to the claim group is by a well maintained all weather logging road up the MacKay Valley from the main Horsefly River Road. Amoco constructed additional roads on the property (see Location Map, back folder) to facilitate access for diamond drilling.

HISTORY

The earliest record of work in the area was in 1901 when gold was discovered in Frasergold and Eureka Creeks. A small-scale placer operation was established in early 1902 but was deemed unprofitable and was discontinued later that year. Subsequently, no further work had been done in the claim area until work was completed by prospector Cliff Gunn in 1978 and 1979. Gunn optioned the property in the fall of 1979 to Keron Holdings Ltd. who evaluated the property in 1980 and 1981. During this period Keron Holdings performed extensive soil sampling and limited rock chip sampling and geological mapping on the property. A strong gold anomaly 100-400 M x 3000 M was outlined.

Amoco optioned the property from Eureka Resources Inc. (registered owners of the property) in July 1983 and performed soil sampling, road construction and diamond drilling on the property in the summer and fall of that year.

PHYSIOGRAPHY AND VEGETATION

The MAC 1-9, KAY 1-12 and ALPHA 2 claims are located on the west flank of the Cariboo Mountains. The property lies along the MacKay River Valley, principally on its south west side. Relief is moderate to steep with occasional precipitous bluffs at higher elevations. Topographical relief is approximately 800 meters.

Vegetation along the lower reaches of the MacKay River Valley consists primarily of good commercial stands of spruce and balsam with thick underbrush. Forest cover is lighter above 1600 meters A.S.L., and alpine style vegetation prevails above 1800 meters. The majority of the western two-thirds of the property has been logged, with logging activity still being conducted in the area.

CLAIMS

TABLE 1

MACKAY NORTH CLAIM GROUP

Claim Name	Units	Tag No.	Date Staked	Anniversary Date	Record No.
MAC 1	9	23411	Sept. 21/79	Oct. 19/79	1286
MAC 2	20	22726	Sept. 24/80	Oct. 22/80	2078
MAC 4	2	68003	Dec. 18/80	Dec. 23/80	3075
MAC 5	4	68004	Dec. 18/80	Dec. 23/80	3076
MAC 7	8	68006	Dec. 17/80	Dec. 23/80	3078
MAC 8	16	68007	Dec. 17/80	Dec. 23/80	3074
MAC 9	20	68008	Dec. 17/80	Dec. 23/80	3079
KAY 11	2	61639	Sept. 21/80	Sept. 25/80	1962
ALPHA 2	9	80121	Sept. 22/83	Sept. 23/84	5159
MACKAY SOUTH CLAIM GROUP					
KAY 1	1	390472 m	Aug. 11/79	Sept. 4/79	1182
KAY 2	1	390473 m	Aug. 11/79	Sept. 4/79	1183
KAY 3	1	390474 m	Aug. 11/79	Sept. 4/79	1184
KAY 4	1	390475 m	Aug 11/79	Sept. 4/79	1185
KAY 5	1	390476 m	Aug 11/79	Sept. 4/79	1186
KAY 6	1	390477 m	Aug. 11/79	Sept. 4/79	1187
KAY 7	1	390478 m	Aug. 11/79	Sept. 4/79	1188
KAY 8	1	390479 m	Aug. 11/79	Sept. 4/79	1189
KAY 9	20	61637	July 12/80	Aug. 11/80	1810
KAY 10	6	61638	Sept. 21/80	Sept. 25/80	1961
KAY 12	20	78773	Jan. 12/83	Feb. 3/84	4631
MAC 3	6	68002	Dec. 17/80	Dec. 23/80	3074
MAC 6	9	68005	Dec. 18/80	Dec. 23/80	3077

GEOLOGY

The Frasergold property is situated along a portion of the eastern margin of the Quesnel Belt in the Quesnel Lake Map-Area. The belt is primarily composed of a sequence of volcanic and sedimentary rocks of Upper Triassic to Lower Jurassic age which were deposited in an island arc-type environment. Within the general area of the Frasergold property these volcanics grade easterly into black, fine-grained phyllites with minor siliceous sediments some of which may be of volcanic origin. These rocks overlie Upper Paleozoic rocks of the Slide Mountain Group.

The Frasergold claims are situated along the north limb of a major northwest-trending, overturned syncline (R.B. Campbell 1978). The axis of this syncline trends along the southern boundary of the claim group, parallel to the MacKay River.

The most widespread unit on the property is a thick section of Upper Triassic, dark gray to black, lustrous phyllite. The phyllite displays a penetrative crenulation foliation which is subparallel to the strike and dip of the bedding in the phyllite. Small scale folding is noted axial plannar to the foliation. Foliation trends at 120^{o} - 140^{o} and dips 45^{o} - 90^{o} to the southwest. The unit contains up to 30% translucent to milky white quartz veins which have been boudinaged into lenses and pods. One to ten percent py and po are associated with the quartz, often in the selvages of the veins. Fine-grained disseminated graphite is associated with this phyllite and appears to have been recrystallized adjacent to many of the quartz veins producing a graphite rich phyllite selvage. Less than one to five percent disseminated and stringer po and py are found in the phyllite.

Geological information obtained from diamond drilling on a portion of the property has shown that the black phyllite contains a varying percentage of interbedded siliceous sediment. The percentage content of siliceous sediment varies from 1% to 20%.

Siliceous sediments appear to be finely laminated and occurs in beds varying in thickness from 1 - 500 cm's. Foliation can be seen to cut bedding at an angle usually less than 10^{o}. Siliceous sediments vary in composition from siliceous siltstone to chert, with some sections appearing to be tuffaceous.

Within the area drilled, several zones of quartz veins have been identified. Due to the wide (up to 300 m) drill hole spacing, these quartz vein zones cannot be correlated along strike. Within a quartz zone, quartz content generally varies from 10 - 30%. Veins usually contain up to 5 - 10% po/py and 3 - 10% quartz-carbonate material. In addition to po and py, trace amounts of sphalerite, chalcopyrite and galena have been recognized in a few of the quartz veins. Coarse-grained fine gold is also a constituent in some of the veins. Visible gold, confirmed by gold assay, was identified in D.D.H. FBC 83-1 to FBC 83-3. Anomalous gold values vary from 0.01 oz/ton to 0.477 oz/ton for a 1.5 m core sample. Due to the coarse nature of the gold, assays are very erratic and due to the widely spaced drill holes no definite correlation along strike can be made from one hole to another.

GEOCHEMISTRY

Prior to Amoco's option of the Frasergold property from Eureka Resources Inc.in July 1983, the owners had performed extensive soil sampling on the property. Their results outlined a gold anomaly 100 - 400 m wide by 3000 meters in length from soil samples collected at 50 meter intervals on grid lines spaced 100 to 300 meters apart.

During the period July 23rd to September 30th, Amoco Canada performed fill-in soil sampling over the strongest portion of the gold anomaly and extended the existing grid to cover a potential eastward extension of the anomaly. A total of 18 man-days were spent collecting 820 soil samples at 25 meter or 50 meter intervals on gridlines 100 meters apart. An area of approximately 2.5 square km's was covered.

For control, an existing baseline at 130° was rechained from L43+00E to L61+00E. From L61+00E, a new baseline at 130° offset 400 meters to the south, extending from L61+00E to L81+00E was established. Flagged tie lines on the existing grid were rechained for control and new lines were added where necessary. All lines were chained, compassed and adequately flagged using fluorescent orange flagging. A total of 13,200 meters of new grid line was established.

On new grid lines, soil samples were collected at 25 meter intervals while on existing grid lines soil samples were collected halfway between existing 50 meter spaced soil samples. On the accompanying Soil Geochemistry Results (Au) maps, results obtained from Amoco's survey are underlined.

Soil samples were collected from depths of 10 cm to 30 cm with a mattock and stored in kraft paper bags. The B horizon was sampled when present, otherwise the C horizon was sampled.

The minus 80 mesh fraction of all samples was analyzed for Au by Min-En Laboratories of North Vancouver, B.C. In a few samples, where there was insufficient minus 80 mesh fraction, the minus 40 mesh fraction was used for analysis.

Discussion of Results

The results of Amoco's soil sampling confirmed and more closely defined the known gold soil anomaly. Background values for gold on the grid is 5 ppb with anomalous values ranging from 50 - 2100 ppb. The majority of the anomalous values are between 50 ppb to 200 ppb. The gold anomaly extends from L42+00E to L78+00E and varies in width from 50 - 300 m. The trend of the anomaly is parallel to the trend of the foliation in the phyllite, at approximately 140^{o}.

Diamond drilling performed subsequent to the soil sampling has confirmed the presence of gold in the underlying rocks. Visible gold has been noted as isolated grains of the native element in quartz veins. No studies have yet been performed to determine if any of the gold is associated with the 1 - 10% po/py in the quartz veins or in the carbon rich phyllites themselves.

DIAMOND DRILLING

During the period September 29th to October 31st 1983, Amoco Canada contracted J.T. Thomas Diamond Drilling (1980) Ltd. of Smithers, B.C. to perform 1644.1 meters of diamond drilling in 5 holes recovering NQ (1 7/8") core on the KAY 10 and KAY 11 claims. A Longyear Super 38 drill rig was utilized. A location map (back pocket) at a scale of 1:2500 shows each diamond drill hole collar location, azimuth, dip, elevation and horizontal projection. Figure 4 displays drill hole locations with respect to claim boundaries.

TABLE 2

DDH Designation	Dates Drilled	Collar Co-ordinates	Azimuth	Inclination	Elevation	Depth
FBC 83-1	Sept.30-Oct.5	L60+02E,3+34S	045°	-50°	1553.9m	328.3 m
FBC 83-2	Oct.6-Oct.11	L55+06E,2+76S	045°	-50°	1557.5 m	322.2 m
FBC 83-3	Oct.12-Oct.17	L57+04E,3+17S	045°	-51°	1554.5 m	324.9 m
FBC 83-4	Oct.17-Oct.21	L51+98E,2+25S	045°	-50°	1557.5 m	329.9 m
FBC 83-5	Oct.22-Oct.29	L55+02E,3+77S	045°	-50°	1585.0 m	428.9 m

All the core was diamond sawed lengthways and fire assayed for gold in 1.5 meter intervals. Where visible gold was noted, whole core was sent for analysis. The remainder of the core is stored in core trays on the property. The core storage location is indicated on the Location Map (west half) in the back pocket, at a scale of 1:2500.

Discussion of Results

All five diamond drill holes intersected gold mineralization that may have economic potential. Visible gold was noted in FBC 83-1, FBC 83-2 and FBC 83-3.

The lithology was the same in all five holes and is dominated by fine-grained black graphitic knotted phyllite. The phyllite is well foliated sub-parallel to bedding. It appears that the destinctive, lenticular, 1-6 mm diameter knots were formed during shearing and subsequent boundinaging of the more competent bands within the phyllite. Lesser black carbonaceous phyllite, black phyllite and siliceous siltstone to chert were also intersected. The sediments contain 0.1% to locally 5% po/py as disseminations and as bands parallel to foliation. Associated with the sediments is 1% to 30% quartz in boundinaged veins. These veins contain up to 20% po/py and up to 10% quartz-carbonate. Trace amounts of chalcopyrite, galena, sphalerite and dolomite were noted in some of the quartz veins. The orientation of quartz veining to bedding is not fully understood, however they appear to be sub-parallel to one another.

Visible free gold noted in FBC 83-1, 83-2 and 83-3 is associated with quartz veining. Considerable additional drilling is required to determine if any of the quartz structures host an economic gold deposit. For detailed rock descriptions and complete assay results see the diamond drill logs for holes FBC 83-1 to FBC 83-5 in Appendix V.

EVALUATION OF WORK

WORK CONDUCTED	Road Constructed
CLAIMS	KAY 9, KAY 10, KAY 11 & MAC 1
DATED WORK CONDUCTED	July 26th to September 18th

(1)	CAT (D8K) 264.5 hrs @ 119.00/hr	$31,475.50
(2)	CAT (D8H) 31.0 hrs @ 100.00/hr	3,100.00
(3)	6 culverts	1,847.34
(4)	BACKHOE 17 hrs @ 35.00/hr	595.00
(5)	SKIDDER 174.5 hrs @ 45.00/hr	7,852.50
(6)	LABOUR: PAUL BRAUN 216.5 hrs @ 14.60/hr	3,160.90
(7)	Road Const. Supervisor Earl Sargent 14 days @ 150.00/day	2,100.00
(8)	Road Const. Supervisor Paul Miller 28 days @ 86.10/day	2,410.80
(9)	GROCERIES 102 man days @ 15.00/day	1,530.00
(10)	TRUCK RENTAL 2 months @ 1011.15/month	2,022.30
(11)	Cook: Pat Harris 2 months @ 2400/month	4,800.00
(12)	Camp cost 120 man days @ 35.00/man day	3,570.00
	TOTAL	$64,463.04

EVALUATION OF WORK

WORK CONDUCTED	Grid Soil Sampling
CLAIMS	MAC 1, MAC 3, KAY 3, KAY 4, KAY 5, KAY 6, KAY 9, KAY 10 & KAY 11
DATES WORK CONDUCTED	July 27, 29, 30, 31, Aug. 1, 2, 3, 4, Sept. 29, 30, 1983.

SALARIES

MARK TOFFOLI	5 man-days @ 51.92/day	$ 259.60
KEVIN MILLS	5 man-days @ 53.85/day	$ 269.25
PAUL BROWN	4 man-days @ 114.44/day	$ 457.76
PAUL MILLER	2 man-days @ 86.10/day	$ 172.20
KRIS POWELL	2 man-days @ 88.00/day	$ 176.00
		$ 1,334.81
MEALS	18 man-days @ 15.00/day	$ 270.00
CAMP COST	18 man-days @ 35.00/day	$ 630.00
TRUCK RENTAL	10 days @ 33.71/day	$ 337.10

ASSAY CHARGES

820 samples analysed for Au

820 x $4.75 (gold geochem)	$ 3,895.00
820 x $0.85 (sample preparation)	$ 697.00
	$ 4,592.00
COST of Geochemistry Map Preparation	$ 200.00
T O T A L	$ 7,363.91

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct. 31st, 1983

COST PER HOLE

FBC 83-1 (NQ CORE 1 7/8")

(1) DRILLING COST

Date	Depth M	Length M	Cost/Meter	Cost
Sept. 30	0 - 3.05	3.05	52.46	160.00
Sept.30 - Oct.5	3.05 - 152.4	149.35	51.84	7,742.00
Sept.30 - Oct.5	152.4 - 304.8	152.40	55.12	8,400.00
Sept.30 - Oct.5	304.8 - 328.3	23.50	58.98	1,386.00
			TOTAL	17,688.00

(2) MAN HOURS And DRILL HOURS COST

Date	Shift	Man hours	Drill Hours	Remarks
Sept. 29:	Day	24	-	Move in
Sept. 30:	Day	30	-	Set up
Sept. 30	Night	5	-	
Oct. 1	Day	2	1	
Oct. 2	Day	2	-	
Oct. 3	Day	4	2	
Oct. 3	Night	4	2	
Oct. 5	Day	10	1	Pull Rods
Oct. 5	Night	8	-	Prepare to move
		89	6	

TOTAL MAN & MACHINE HOURS: 95 hrs @ $23.00/hr = $ 2,185.00

EVALUATION OF WORK

WORK CONDUCTED	Diamond Drilling
CLAIMS	KAY 10, KAY 11
DATES WORK CONDUCTED	Sept. 29th to Oct. 31st, 1983

COST PER HOLE

FBC 83-1 Cont'd:

(3) MATERIALS USED, DAMAGED, ACID TEST ETC:

5 ACID TEST @ 40.00/test	=	$ 200.00
DRILLING Additives	=	$1,764.00
Fuel 90 gals.	=	$ 226.00
Bits damaged in hole	=	$1,043.65
CASING 10 feet	=	$ 194.00
	TOTAL =	$3,227.65
TOTAL DRILLING COST FOR FBC 83-1	=	$23,100.65

FBC 83-2 NQ CORE 1 7/8"

(1) DRILLING COST

Date	Depth m	Length m	Cost/Meter	Cost
Oct. 6	0 - 15.2	15.2	$52.63	$ 800.00
Oct. 6 - 11	15.2 - 152.4	137.2	$51.82	$7,110.00
Oct. 6 - 11	152.4 - 304.8	152.4	$55.12	$8,400.00
Oct. 6 - 11	304.8 - 322.2	17.4	$58.97	$1,026.00
			TOTAL	$17,336.00

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct. 31st, 1983

COST PER HOLE

FBC 83-2 Cont'd:

(2) MAN HOURS And DRILL HOURS COST

Date	Shift	Man Hours	Drill Hours	Remarks
Oct. 6	Day	30	-	Move
Oct. 6	Night	2	-	
Oct. 9	Day	2	1	
Oct. 10	Day	4	2	
Oct. 11	Night	16	-	Pull Rods, Prepare to move

TOTAL MAN & MACHINE HOURS: 57 hours @ $23.00/hr = $1,311.00

(3) MATERIALS USED, DAMAGED, ACID TEST, ETC:

5 ACID TEST @ 40.00/test	$ 200.00
DRILLING Additives	$1,753.50
Fuel 45 gals.	$ 113.00
Bits damaged in hole	$1,275.25
Casing 50 feet	$ 860.00
TOTAL =	$4,201.75

TOTAL DRILLING COST FOR FBC 83-2 = $22,848.75

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct. 31st, 1983

COST PER HOLE

FBC 83-3 — NQ CORE 1 7/8"

(1) DRILLING COST

Date	Depth m	Length m	Cost/Meter	Cost
Oct. 12	0 - 3.05	3.05	$52.46	$ 160.00
Oct. 12 - 16	3.05 - 152.4	149.35	$51.84	$7,742.00
Oct. 12 - 16	152.4 - 304.8	152.40	$55.12	$8,400.00
Oct. 12 - 16	304.8 - 324.9	20.10	$59.10	$1,188.00
			TOTAL	$17,490.00

(2) MAN HOURS AND DRILL HOURS COST

Date	Shift	Man Hours	Drill Hours	Remarks
Oct. 12	Day	10		Move
Oct. 16	Night	8		Pull Rods

TOTAL MAN & MACHINE HOURS: 18 hrs @ $23.00/hr = $414.00

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct. 31st , 1983

COST PER HOLE

FBC 83 - 3 Cont'd:

(3) MATERIALS USED, DAMAGED, ACID TEST, ETC.

5 ACID TEST @ $40.00/test	=	$ 200.00
DRILLING ADDITIVES	=	$ 189.00
FUEL 90 gals.	=	$ 226.00
BITS DAMAGED IN HOLE	=	$ 841.00
CASING 10 feet	=	$ 172.00
TOTAL	=	$1,628.00
TOTAL DRILLING COST FOR FBC 83-3	=	$19,532.00

FBC 83 - 4 NQ CORE 1 7/8"

(1) DRILLING COST

Date	Depth m	Length m	Cost/Meter	Cost
Oct. 17	0 - 6.1	6.1	$52.46	$ 320.00
Oct. 17 - 21	6.1 - 152.4	146.3	$51.84	$7,584.00
Oct. 17 - 21	152.4 - 239.9	87.5	$55.10	$4,821.60
			TOTAL	$12,726.60

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct 31st, 1983

COST PER HOLE

FBC 83 - 4 Cont'd:

(2) MAN HOURS AND DRILL HOURS COST

Date	Shift	Man Hours	Drill Hours	Remarks
Oct. 17	Day	20	-	Move
Oct. 20	Day	1		
Oct. 20	Night	1		
Oct. 21	Day	11		Pull Rods
Oct. 21	Day	6	2	Prepare to move

TOTAL MAN & MACHINE HOURS: 41 hours @ $23.00/hr = $943.00

(3) MATERIALS USED, DAMAGED, ACID TEST ETC:

4 ACID TEST @ $40.00/test	=	$ 160.00
DRILLING ADDITIVES	=	$ 945.00
FUEL 90 gals.	=	$ 226.00
BIT DAMAGED IN HOLE	=	$ 609.40
CASING 10 feet	=	$ 172.00
TOTAL	=	$2,112.40
TOTAL COST FOR FBC 83-4	=	$15,782.00

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct 31st, 1983

COST PER HOLE

FBC 83 - 5 — NQ CORE 1 7/8"

(1) DRILLING COST

Date	Depth m	Length m	Cost/Meter	Cost
Oct. 22	0 - 3.05	3.05	$52.46	$ 160.00
Oct. 22 - 29	3.05 - 152.4	149.35	$51.84	$7,742.00
Oct. 22 - 29	152.4 - 304.8	152.4	$55.12	$8,400.00
Oct. 22 - 29	304.8 - 428.9	124.1	$59.03	$7,326.00
			TOTAL	$23,628.00

(2) MAN HOURS AND MACHINE HOURS COST

Date	Shift	Man Hours	Machine Hours	Remarks
Oct. 22	Night	9	1	
Oct. 23	Day	2		
Oct. 24	Night	1		
Oct. 25	Night	3	1	
Oct. 26	Night	1		
Oct. 27	Day	14	7	
Oct. 27	Night	8	4	
Oct. 28	Day	5		
Oct. 28	Night	1	2	

EVALUATION OF WORK

WORK CONDUCTED — Diamond Drilling

CLAIMS — KAY 11, KAY 10

DATES WORK CONDUCTED — Sept. 29th to Oct. 31st, 1983

COST PER HOLE

FBC 83 - 5 Cont'd:

(2) MAN HOURS AND MACHINE HOURS COST Cont'd:

Date	Shift	Man Hours	Machine Hours	Remarks
Oct. 29	Day	12		
Oct. 30	Day	31		
Oct. 31	Day	12		

TOTAL MAN & MACHINE HOURS: 114 hrs @ $23.00/hr = $2,622.00

(3) MATERIALS USED, DAMAGED, ACID TEST, ETC:

5 ACID TEST @ 40.00/test		$ 200.00
DRILLING Additives, Alomer		$1,134.00
Fuel 135 gals @ 2.51/gal.		$ 339.00
Bits damaged in hole		$ 841.00
Casing & Rods 50 feet		$ 744.00
	TOTAL	$3,258.00

TOTAL DRILLING COST FOR FBC 83-5 = $29,508.00

EVALUATION OF WORK

WORK CONDUCTED	Diamond Drilling
CLAIMS	KAY 11, KAY 10
DATES WORK CONDUCTED	Sept. 29th to Oct. 31st, 1983

OTHER DIRECT DRILLING COSTS

(1)	Mobilization/Demobilization	=	$1,500.00
(2)	Freight cost	=	$1,121.73
(3)	Rental sloop & ATV 1 month @ 1500.00/mo.	=	$1,500.00
(4)	Core box lids 300 @ 2.65	=	$ 795.00
		=	$4,916.73

OTHER INDIRECT DRILLING COSTS

(1)	ASSAY CHARGES		
	1077 x $7.50 Fire Assay	=	$8,077.50
	1077 x $3.00 sample preparation	=	$3,231.00
(2)	Diamond Saw cutting of 1644.1 meters of core		
	PAUL MILLER 29 man days @ 86.10/day	=	$2,496.90
	KRIS POWELL 29 man days @ 88.00/day	=	$2,552.00
(3)	Groceries 256 man days x 15.00/man day	=	$3,840.00
(4)	CAMP COST 256 man days x 35.00/man day		$8,960.00
(5)	CAT RENTAL D8K 86 hrs @ 70.00/hr.	=	$6,020.00
(6)	TRUCK RENTAL 1 month @ 1011.15/mo.	=	$1,011.15
(7)	Salary PAUL BROWN 1 Geologist 30 days @ 114.44/day	=	$3,433.20
(8)	Cook PAT HARRIS 1 month @ 2400.00/month	=	$2,400.00
			$42,021.75

APPORTIONMENT OF EXPENSES

For the purpose of filling assessment work on the Frasergold property, consisting of MAC 1 - MAC 9, KAY 1 - KAY 12 and ALPHA 2 claims, the property has been grouped into the MACKAY NORTH and MACKAY SOUTH Groups. Table 3 below indicates the claims that have been assigned to each group.

TABLE 3

MACKAY NORTH GROUP

Name of Claim	No. of Units	Record No.	Date Staked	Anniversary Date	
MAC 1	9	1286	Sept. 21/79	Oct. 19/79	
MAC 2	20	2078	Sept. 24/80	Oct. 22/80	
MAC 4	2	3075	Dec. 18/80	Dec. 23/80	
MAC 5	4	3076	Dec. 18/80	Dec. 23/80	
MAC 7	8	3078	Dec. 17/80	Dec. 23/80	
MAC 8	16	3084	Dec. 17/80	Dec. 23/80	
MAC 9	20	3079	Dec. 17/80	Dec. 23/80	
KAY 11	2	1962	Sept. 21/80	Sept. 25/80	
ALPHA 2	9	5159	Sept. 22/83	Sept. 23/84	
	90				

MACKAY SOUTH GROUP

KAY 1	1	1182	Aug. 11/79	Sept. 4/79	
KAY 2	1	1183	Aug. 11/79	Sept. 4/79	
KAY 3	1	1184	Aug. 11/79	Sept. 4/79	
KAY 4	1	1185	Aug. 11/79	Sept. 4/79	
KAY 5	1	1186	Aug. 11/79	Sept. 4/79	
KAY 6	1	1187	Aug. 11/79	Sept. 4/79	
KAY 7	1	1188	Aug. 11/79	Sept. 4/79	
KAY 8	1	1189	Aug. 11/79	Sept. 4/79	
KAY 9	20	1810	July 12/80	Aug. 11/80	
KAY 10	6	1961	Sept. 21/80	Sept. 25/80	
KAY 12	20	4631	Jan. 12/83	Feb. 3/84	
MAC 3	6	3074	Dec. 17/80	Dec. 23/80	
MAC 6	9	3077	Dec. 18/80	Dec. 23/80	
	69				

APPORTIONMENT OF EXPENSES Cont'd

The cost being used for assessment credit is divided under three headings (1) Physical Work, (2) Geochemistry and (3) Diamond Drilling. Different proportions of each type of work were conducted on the MACKAY NORTH and MACKAY SOUTH Claim Groups.

Physical Work

Road construction and maintenance: A total of 6904 meter of road were constructed. This work was performed during the period July 26th to September 18th, 1983. The road was constructed on claims MAC 1 and KAY 11 of the MACKAY NORTH Claim Group and KAY 9 and KAY 10 of the MACKAY SOUTH Claim Group. 1902 meters of road are located on the MACKAY NORTH Claim Group with the remainder 5002 meters on the MACKAY SOUTH Claim Group. For Apportionment of Expenses $\frac{1902}{6904}$ or 27.549% of approved cost may be applied to the MACKAY NORTH Group.

Physical Work

Road construction and maintenance total cost as itemized of Evaluation of work Page 12 is $64,463.04.

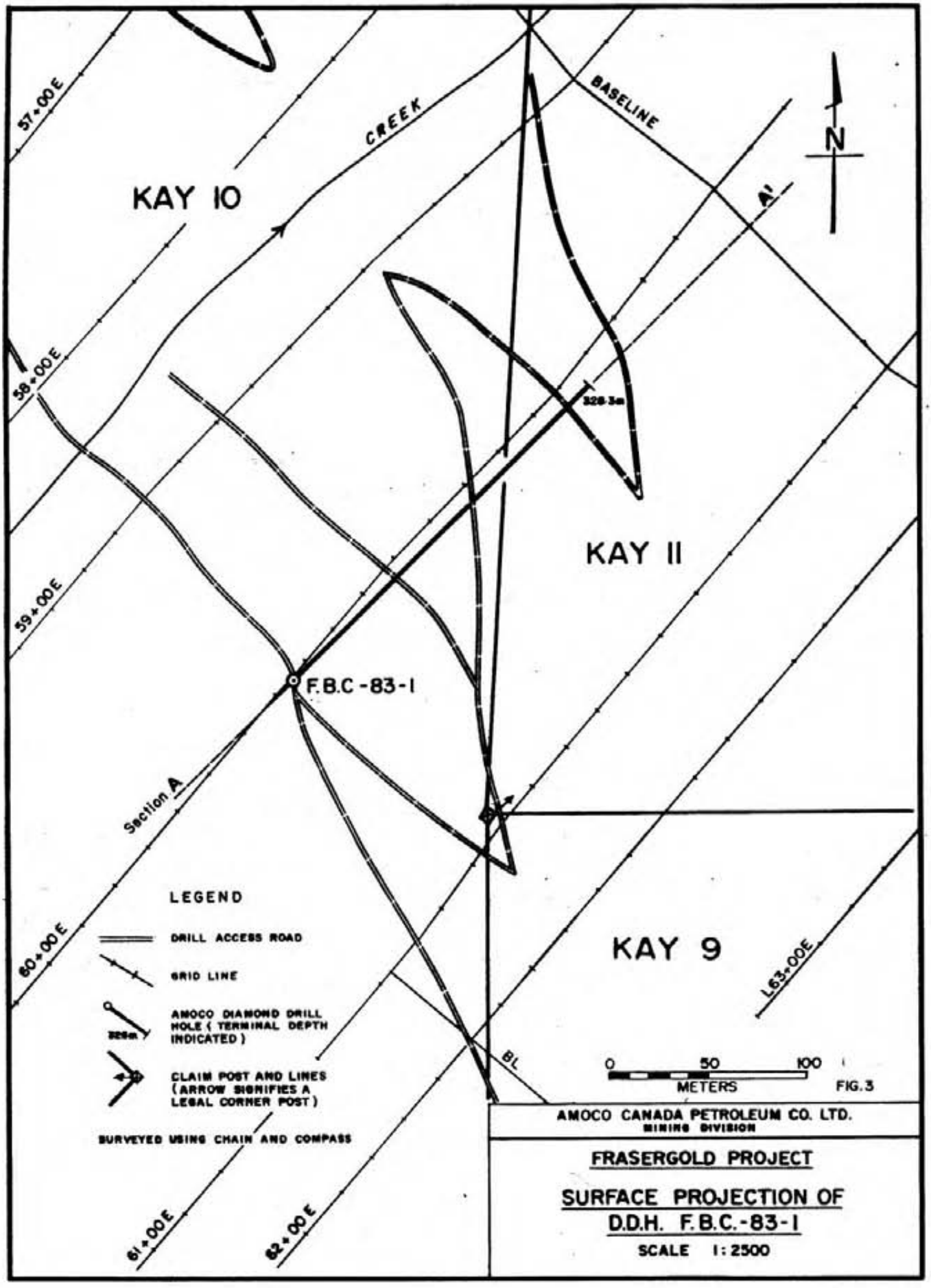
27.549% of $64,463.04 = $17,758.92

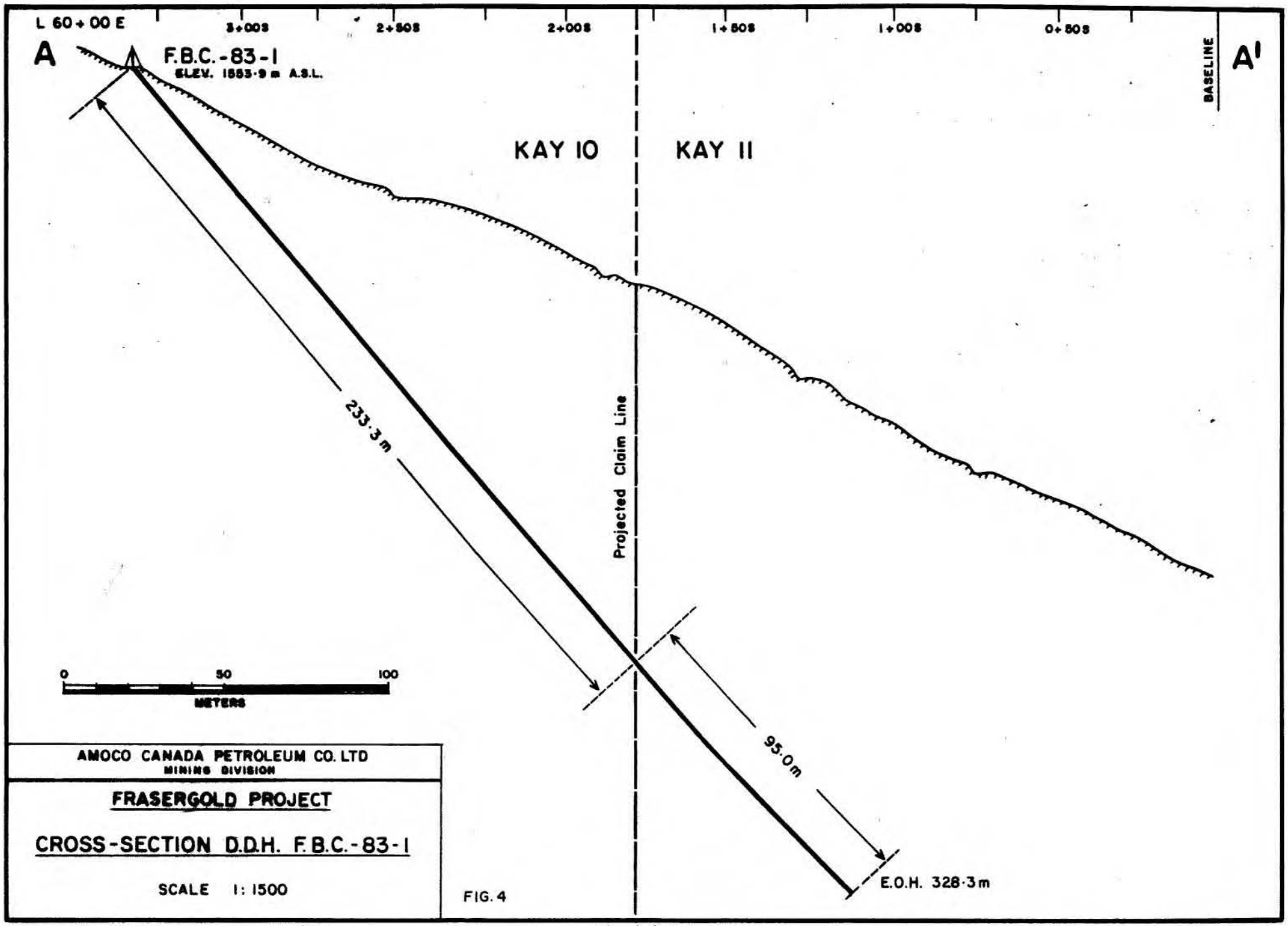
72.451% of $64,463.04 = $46,704.12*

Soil Geochemistry: July 27, 29, 30, 31; Aug. 1, 2, 3, 4; Sept.29, 30

A total of 820 soil samples were collected and analysed for Au. 199 were collected on the MACKAY NORTH Group and 621 on the MACKAY SOUTH Group. For apportionment of expenses $\frac{199}{821}$ or 24.239% of approved cost may be applied to the MACKAY NORTH Group. The remainder of approved cost may be applied to the MACKAY SOUTH Group. Itemized costs are found on Page 13.

* NOTE: $7,200.00 of physical work has been used prior to the grouping requested on September 30th, 1983 for assessment credits to KAY 10 ($2,400), KAY 11 ($800.00) and MAC 2($4,000.00). These claims have anniversary dates of September 25, September 25 and October 22 respectively. This $7,200.00 was taken from a portion of cost of physical work performed on KAY 10.


KAY 10
KAY 11
KAY 9
CREEK
BASELINE
A'
N
57+00E
58+00E
59+00E
60+00E
61+00E
62+00E
L63+00E
328.3m
F.B.C-83-1
Section A
BL
LEGEND
DRILL ACCESS ROAD
GRID LINE
AMOCO DIAMOND DRILL HOLE (TERMINAL DEPTH INDICATED)
329m
CLAIM POST AND LINES (ARROW SIGNIFIES A LEGAL CORNER POST)
SURVEYED USING CHAIN AND COMPASS
0 50 100
METERS
FIG. 3
AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION
FRASERGOLD PROJECT
SURFACE PROJECTION OF
D.D.H. F.B.C.-83-1
SCALE 1:2500



AMOCO CANADA PETROLEUM CO. LTD
MINING DIVISION

FRASERGOLD PROJECT

CROSS-SECTION D.D.H. F.B.C.-83-1

SCALE 1: 1500

FIG. 4

From evaluation of work for soil geochemistry,page 13 , a total of $7,363.91 was spent on soil geochemistry.

24.239% of $7,363.91 = $ 1,784.94

75.761% of $7,363.91 = 5,578.97

Diamond Drilling: Sept. 29th - Oct. 31st, 1983

From evaluation of work for diamond drilling (pages 14 to 22) a total of $157,908.88 was spent on diamond drilling. A total of 1,644.1 meters of NQ drilling were performed. A portion of DDH FBC 83-1 totalling 95 meters was drilled on KAY 11. KAY 11 belongs to the MACKAY NORTH Claim Group. The remainder (1,549.1 meters) was drilled on KAY 10, which belongs to the MACKAY SOUTH Claim Group.

For apportionment of expenses $\frac{95}{1,644.1}$ or 5.78% of approved expenditures may be applied to the MACKAY NORTH Claim Group and 94.22% of approved expenditure may be applied to the MACKAY SOUTH Claim Group.

5.78% of $157,908.88 = $ 9,127.13

94.22% of $157,908.88 = $148,781.75

Total expenditure from physical, geochemical and diamond drilling work which may be applied to the MACKAY NORTH Claim Group = $28,670.99.

Total expenditure from physical, geochemical and diamond drilling work which may be applied to the MACKAY SOUTH Claim Group = $201,064.84.

FEE SCHEDULE

Geochemical analysis and Fire assaying were done by:

Min-En Laboratories Ltd.
705 West 15th Street
North Vancouver, B.C.
V7M 1T2

Geochemical Analysis

Au	$4.75
Sample preparation	$0.85
TOTAL	$5.60

Fire Assay

Au	$7.50
Sample preparation	$3.00
TOTAL	$10.50

PHONE 980-5814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURE FOR GOLD GEOCHEMICAL ANALYSIS.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pre-treated with HNO_3 and $HClO_4$ mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

At this stage of the procedure copper, silver and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 5 ppb.

NAMES AND ADDRESSES OF PERSONS CONDUCTING WORK

ERNEST GRUHS
GRUHS BULLDOZING LTD.
Gruhs Road
P.O. Box 277
Horsefly, B.C.
V0L 1L0

KRIS POWELL
c/o GRUHS BULLDOZING LTD.
Gruhs Road
P.O. Box 277
Horsefly, B.C.
V0L 1L0

EMERSON WIGGINS
BELL CREEK CONTRACTING LTD.
3022 Edwards Drive
Williams Lake, B.C.
V2G 1Y3

PAUL BRAUN
c/o BELL CREEK CONTRACTING LTD.
3022 Edwards Drive
Williams Lake, B.C.
V2G 1Y3

J.T. Thomas
DIAMOND DRILLING (1980) LTD.
P.O. Box 394
Smithers, B.C.
V0J 2N0

MARK TOFFOLI
1992 Trimble St.
Vancouver, B.C.
V6R 3Z3

KEVIN MILLS
420 Alberta St.
New Westminster, B.C.
V3L 3J7

EARL SARGENT
P.O. Box 39
New Hazelton, B.C.
V0J 2J0

MERVIN TEW
c/o AMOCO CANADA PETROLEUM CO. LTD.
257 Harbour Ave.
N. Vancouver, B.C.
V7J 2E8

PAUL MILLER
448 Eglinton Ave. West
Toronto, Ontario
M5N 1A5

PAUL BROWN
7031 Estoril Road
Mississauga, Ontario
L5N 1N3

COST PER DAY FOR TRUCK

1980 GMC 4 x 4 leased from Airways Ltd.

2782 Grandview Hwy., Vancouver

Contract Rate: 1011.15/month = $33.71/day

APPENDIX V

DIAMOND DRILL LOGS

FBC 83-1 - FBC 83-5

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY Frasergold	LATITUDE L 60 + 02 E	STARTED September 30th, 1983	
HOLE NO. F.B.C. 83-1	DEPARTURE 3 + 345	FINISHED October 5th, 1983	
BEARING Az. 045°	ELEVATION 5098 ft. 1553.9 M	LENGTH 1077' 328.3 M	
DIP-COLLAR - 50°	SECTION	LOGGED BY P. Brown	

DIP TEST					
Footage	Corrected	Footage	Corrected	Footage	Corrected
61.0 M	- 50°	243.8 M	- 48.5°		
121.9 M	- 50°	304.8 M	- 46 °		
182.9 M	- 49°				

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Metres) From	To	Length	ASSAYS Au(oz/t)		RQD
0	3.0 M	Casing:		W1501	3	4.5		.001		
3.0	34.0 M	Black Knotted Phyllite 10 - 30 % Knots		02	4.5	6		.001		61
				03	6	7.5		.001		
		The phyllite is fine grained and moderately foliated at 85° - 90°		04	7.5	9		.001		51
		to C.A. In places the foliation is strongly crenulated. The knots vary		05	9	10.5		.001		
		in size from 2 - 7 mm.		06	10.5	12		.002		31
		The majority of the knots are fresh looking. A few adjacent to		07	12	13.5		.008		
		open fractures have been oxidized to limonite. Oxidation progresses from		08	13.5	15		.002		43
		the rim of the knot to its core. The knots appear to have originally been		09	15	16.5		.003		
		narrow bands of harder ? phyllite (more siliceous) and tended to tear apart		W1510	16.5	18		.001		60
		rather than deform as quickly as the rest of the rock. These fragments then		11	18	19.5		.008		
		were rotated and moved from their original position. F/g pyrite is noted		12	19.5	21		.002		34
		in rim of the knots and as disseminations in the knots. Qtz. and sulphides		13	21	22.5		.001		
		can be seen on the low pressure side of the knots, and appear to have		14	22.5	24		.001		34
		migrated in from the surrounding rock.		15	24.	25.5		.001		
		Trace pyrite to <0.1% is finely disseminated throughout the rock.		16	25.5	27		.001		61
		The majority of the phyllite is only weakly carbonaceous, with short		17	27	28.5		.001		
		10 - 30 cm sections being moderately to strongly carbonaceous, especially		18	28.5	30		.001		40
		adjacent to qtz. veins. The majority of the fractures in this section are		19	30	31.5		.001		
		70° - 90° to C.A. Qtz. veining appears to be parallel to subparallel to		W1520	31.5	33		.001		81
		foliation. In places veins can be seen folded.		21	33	34.5		.001		
				22	34.5	36		.001		74
		3.0 M 5 cm qtz. vein with limonite. Vein is broken.		23	36	37.5		.001		
		7.2 M Irregular 4 cm vein of qtz and minor limonite.		24	37.5	39		.001		77
		7.4 M 1 cm qtz. vein 90° to C.A. Yuggy.		25	39	40.5		.001		
		7.5 M 0.3 - 1.0 cm qtz. vein 90° to C.A., Vein is yuggy and has carbon-		26	40.5	42		.001		59
		aceous selvages.		27	42	43.5		.001		
		8.4 M 40 cm qtz. vein broken. Trace limonite.		28	43.5	45		.001		66
				29	45	46.5		.001		
		14.65 M 8 cm qtz vein 75°-80° to C.A. Trace pyrite and chlorite in vein.		W1530	46.5	48		.001		76
		From 16 M - 22.9 M pyrite is increasing up to 0.2% with a few blebs up to		31	48	49.5		.011		
		1 cm in size.		32	49.5	51		.005		38
				33	51	52.5		.002		
		17.7 - 22.95 M 23% quartz over the 5.25 meter section. The phyllite for		34	52.5	54		.003		36
		this 5.25 M is strongly carbonaceous.		35	54	55.5		.002		
		First noted at 19.4 M is trace amounts of pyrrhotite. It occurs		36	55.5	57		.002		84
		with pyrite in qtz veins and as stringer and blebs in the phyllite. Pyrrhotite		37	57	58.5		.001		
		content increases downhole.		38	58.5	60		.001		90
		22.5 M Trace chalcopyrite with pyrrhotite and pyrite in a qtz. vein.		39	60	61.5		.002		
		Trace Arsenopyrite ? is also noted.		W1540	61.5	63		.001		72

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Fraserguld HOLE NO. FBC 83-1 Page 2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)		Ag
3.0	34.4 M	Cont'd:		W1541	63	64.5		.001		
				42	64.5	66		.001		74
		Irr broken blebs of qtz-carbonate are noted in many of the qtz	3.0 - 34.4 M	43	66	67.5		.001		
		veins. It is often most abundant at vein-wall rock contacts. Trace chlorite	Tr to 0.2 %	44	67.5	69		.001		58
		is occasionally noted in veins and sericite is often noted in the qtz veins	Py Py + occasional	45	69	70.5		.001		
		and vein selvages. Veins are generally between 2 - 16 cm in width, and	Tr cpy.	46	70.5	72		.001		90
		most are parallel to foliation. At times it is noted that the foliation is		47	72	73.5		.001		
		strongly distorted adjacent to qtz veins.		48	73.5	75		.001		81
				49	75	76.5		.001		
		From 22.9 - 27.5 M the knotted phyllite is moderately carbonaceous, however		W1550	76.5	78		.002		91
		there is no qtz veining present. Sulphide content decreases to $\leq$0.1%.		51	78	79.5		.002		
		Streaks of qtz-carbonate are noted parallel to foliation, as well as Po + Py.		52	79.5	81		.002		86
				53	81	82.5		.002		
		From 27.5 - 34.4 M there is 24% qtz veining for the 6.9 M interval. Veins		54	82.5	84		.002		47
		vary in width from 2 mm to 30 cm. Trace chlorite and moderate sericite is		55	84	85.5		.002		
		noted with the qtz veins. The phyllite is strongly carbonaceous.		56	85.5	87		.002		77
		At 34.4 M contact between knotted phyllite and siliceous siltstone to		57	87	88.5		.001		
		chert. The contact is 70° to C.A. and is bedding. The siliceous sediment is		58	88.5	90		.002		98
		dark gray colour.		59	90	91.5		.001		
				W1560	91.5	93		.002		80
34.4	54.05 M	F/g Light to Dark Gray Siliceous Siltstone and Chert.		61	93	94.5		.002		
				62	94.5	96		.002		89
		Upper and lower contact sharp at 70° to C.A. Bedding rather than foliation		63	96	97.5		.001		
		is preserved in this section. At the upper contact of this unit the bedding		64	97.5	99		.009		92
		is 70° to C.A. The foliation in the knotted phyllite immediately above is		65	99	100.5		.008		
		85° - 90° +. C.A. The siliceous sediment and chert has short $\leq$10 to 60 cm		66	100.5	102		.010		100
		units of knotted phyllite interbedded.		67	102	103.5		.014		
		36.2 M 50 cm unit of knotted phyllite with a few of the knots displaying		68	103.5	105		.060		100
		limonitic weathering.		69	105	106.5		.003		
				W1570	106.5	108		.477		84
		40.0 M 30 cm of knotted phyllite.		71	108	109.5		.002		
				72	109.5	111		.007		64
		Bedding in the siliceous sediment and chert is in $\leq$1mm to 1 cm bands with thin		73	111	112.5		.004		
		$\leq\leq$1 mm bands of darker material (probably phyllite) in between. Except		74	112.5	114		.008		57
		in the knotted phyllite units foliation is very poorly developed in this		75	114	115.5		.005		
		section.		76	115.5	117		.009		90
				77	117	118.5		.002		
		There is definitely less quartz veining in this section than in the		78	118.5	120		.008		97
		phyllite above. For the first time qtz veining is noted to cut bedding and		79	120	121.5		.010		
		any possible foliation. In fact cross cutting qtz veins are noted. Veins		W1580	121.5	123		.008		89
		cut bedding at 30° - 40°. Most of the veins have Po + Py. Veins still have		81	123	124.5		.004		
		varying amounts of qtz carbonate blebs.		82	124.5	126		.003		59
		In places such as 39.4 M the bedding has been crenulated on a 0.5 cm		83	126	127.5		.010		
		scale.		84	127.5	129		.002		47
		35.5 - 36.8 M Limonite developed from sulphides in vein selvages.		85	129	130.5		.008		
		A few knots are also limonite.		86	130.5	132		.003		66
		This section 34.4 - 54.05 M has 10 - 15% qtz veining. Veins vary in		87	132	133.5		.020		
		size from $\leq$ 1cm to 30 cm. Veins are at varying angles to C.A. A few of the		88	133.5	135		.013		41
		veins are vuggy. Both clear and white qtz are present. Pinch and swell		89	135	136.5		.011		
		are noted in some of the qtz veins.		W1590	136.5	138		.002		55
		At 35.6 M there is a pale reddish brown sulphide as a coating on a								
		fracture. Probably weathered Pyrite ?								
		36.2 M 3.5 cm qtz vein 80° to C.A. with strong Limonite in vein								
		and as a vein selvage.								

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Fraserguld HOLE NO. FRC 83-1 Page 3

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/T)			R00
34.4	54.05 M	Cont'd:		W1591	138	139.5		.023			
		37.15 M 5 mm qtz vein 80° to C.A. Vein is vuggy and has limonite as a selvage.		92	139.5	141		.006			87
		37.1 M separated 1 - 2 cm segments of folded vein are noted. Axis ⊥ to foliation ≃ 80° - 90° to C.A.		93	141	142.5		.012			
		A number of healed fractures with minor movement are noted throughout.		94	142.5	144		.030			75
		37.2 M 4 mm qtz vein 68° to C.A. Cuts bedding which is at 88° to C.A. Trace sulphide in vein		95	144	145.5		.002			
		37.3 - 39 M Chert pale gray in colour.		96	145.5	147		.012			58
		38.2 M 5 cm qtz vein 20° to C.A. Vein has minor Limonite in selvage. Vein cuts a 2 mm qtz vein at 70° to C.A. Bal veins cut bedding which is at 80° - 90° to C.A.		97	147	148.5		.002			
				98	148.5	150		.004			84
				99	150	151.5		.002			
				W1600	151.5	153		.012			95
				01	153	154.5		.001			
				02	154.5	156		.001			75
				03	156	157.5		.004			
				04	157.5	159		.001			73
				05	159	160.5		.001			
		40.1 M 10 cm of well crenulated knotted Phyllite. Crenulation 5°-10° to bedding.		06	160.5	162		.030			77
				07	162	163.5		.001			
				08	163.5	165		.003			83
		39.9 - 41.1 M Strong Limonite as F/g disseminates in the siliceous sediment.		09	165	166.5		.002			
				W1610	166.5	168		.002			86
		41.1 - 42.7 M Knotted Phyllite with Limonitic knots.		11	168	169.5		.010			
		43.15 M 2 cm qtz vein 55° to C.A. Vein is barren and cuts bedding which is at 70° to C.A.		12	169.5	171		.008			100
				13	171	172.5		.002			
		43.3 M 15 cm qtz vein at 10° to C.A. 5% qtz carbonate blebs and Tr Py, Po and 1 speck of Cpy in vein. Po + Py also occur as matrix to qtz carbonate blebs. Minor sericite in vein.		14	172.5	174		.001			98
				15	174	175.5		.001			
				16	175.5	177		.002			79
		42.8 - 45.7 M mainly chert.		17	177	178.5		.003			
		45.7 - 47.9 M crenulated knotted phyllite with a few limonitic knots. Minor siliceous sediment is present. About 10 - 15% of the knots are limonitic. Crenulations in the phyllite ≃ 65° to C.A.		18	178.5	180		.001			73
				19	180	181.5		.001			
			34.4 - 54.05 M	W1620	181.5	183		.001			91
		45.05 M 2 - 4 cm qtz vein 81° to C.A. & parallel to foliation. Minor qtz carbonate in vein.	Tr Py & Po in qtz veins,	21	183	184.5		.002			
			vein selvages & as	22	184.5	186		.001			100
		47.9 - 51.3 M Siliceous sediment & lesser chert, with minor knotted phyllite.	streaks & disseminations	23	186	187.5		.001			
			in the rock.	24	187.5	189		.001			97
		48.8 M 3-10 cm qtz vein 5°-10° to C.A. Weak limonite in vein selvages.		25	189	190.5		.001			
		49.15 M 26 cm qtz vein 55° to C.A. Minor qtz carbonate in vein. Vein contacts strongly altered. The 30 cm immediately below vein is strongly distorted & altered. For this 30 cm foliation is at 20° to C.A.		26	190.5	192		.001			100
				27	192	193.5		.002			
		51.3 - 52.0 M Knotted phyllite. Strongly carbonaceous. ≃ 30% of the knots are limonitic.		28	193.5	195		.002			97
				29	195	196.5		.009			
				W1630	196.5	198		.002			100
				31	198	199.5		.010			
		52.0 - 54.05 M Siliceous sediment & lesser chert, with minor knotted phyllite.		32	199.5	201		.022			80
				33	201	202.5		.011			
		52.2 M 17 cm qtz vein 45°-70° to C.A. Vein cuts bedding. Tr Py & limonite in vein & vein selvage.		34	202.5	204		.003			77
				35	204	205.5		.004			
				36	205.5	207		.009			74
		53.0 M 20 cm of subparallel qtz veining with Tr Pyrite.		37	207	208.5		.130			
				38	208.5	210		.001			98
54.05	128.4 M	Black Knotted Phyllite 20% knots with minor interbedded Siliceous Sediment.		39	210	211.5		.011			
				W1640	211.5	213		.001			100
		The siliceous sediment is generally in < 1 M units. Foliation in the phyllite is well developed and usually varies from 70°-90° to C.A.		41	213	214.5		.001			
				42	214.5	216		.001			89
		In places the foliation is folded & may be less than 40° to C.A. The knots are fresh looking and vary in size from 2 - 6 mm. Most of the knots are		43	216	217.5		.001			
				44	217.5	219		.001			98

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)		ROD
54.05	128.4 M	Cont'd:		W1645	219	220.5		.002		
				46	220.5	222		.001		98
		subrounded to lens like.		47	222	223.5		.001		
		The knotted phyllite is moderately carbonaceous and adjacent to		48	223.5	225		.001		55
		some of the qtz veins. It is strongly carbonaceous. The first 1 M has		49	225	226.5		.001		
		several tight crenulated folds ≈ 10 - 15 cm in size. Fold axis is ≈ 80°		W1650	226.5	228		.001		87
		to C.A. Minor slips ≈ 1 cm has offset fold hinges.	Upto 1 - 2% Py, Po	51	228	229.5		.001		
		At 58.35 M a crenulated and folded qtz vein. Fold wavelength is		52	229.5	231		.001		75
		10 - 15 cm.		53	231	232.5		.001		
		From 54.05 - 103.9 M 3 - 4 % qtz for the 49.85 M. Veins are		54	232.5	234		.001		45
		generally ≤ 5 cm in width. A few are up to 10 cm in width. Veining is		55	234	235.5		.001		
		scattered throughout this section and most are parallel to subparallel to		56	235.5	237		.001		53
		foliation.		57	237	238.5		.001		
		Bedding rather than foliation is present in the siliceous zones,		58	238.5	240		.001		34
		and is generally 70°-75° to C.A.		59	240	241.5		.001		
				W1660	241.5	243		.001		77
		55.6 M 2 cm qtz vein parallel to foliation. Barren.		61	243	244.5		.001		
		58.35 M 4 - 10 cm qtz vein folded in 10 cm wave length. Trace qtz		62	244.5	246		.001		56
		carbonate in vein.		63	246	247.5		.001		
				64	247.5	249		.011		0
		59.0 - 60.8 M Mainly siliceous sediment. Bedding 70°-85° to C.A.		65	249	250.5		.039		
				66	250.5	252		.001		78
		60.6 M Folded qtz vein. Barren.		67	252	253.5		.001		
		60.8 M Folded qtz vein. Barren.		68	253.5	255		.001		69
		61.1 M 8 cm qtz vein 40° to C.A. Parallel to foliation. Minor Po, Py in		69	255	256.5		.001		
		vein, mainly at selvage.		W1670	256.5	258		.001		98
				71	258	259.5		.001		
		61.2 - 77.05 M only a few scattered ≤ 1 cm qtz veins. The phyllite is		72	259.5	261		.001		100
		only very weakly altered. F/g disseminated Py, Po is noted ≈ 0.1%		73	261	262.5		.001		
				74	262.5	264		.001		80
		66.8 - 68.5 M Mainly siliceous sediment.		75	264	265.5		.001		
		69.9 M 2 cm qtz vein. 75° to C.A. 40% qtz carbonate blebs in vein.		76	265.5	267		.001		65
		70.35 M Several 1 - 5 mm discontinuous (boudin) qtz veins with abundant Po.		77	267	268.5		.001		
		& Py & speck of cpy.		78	268.5	270		.001		94
				79	270	271.5		.001		
		At 70.35 M there appears to be two ages of qtz veining. The		W1680	271.5	273		.001		58
		phyllite adjacent to vein is strongly carbonaceous.		81	273	274.5		.001		
				82	274.5	276		.001		70
		71.3 M Cross cutting qtz veins. 3 cm qtz vein 75° to C.A. & parallel to		83	276	277.5		.001		
		foliation with minor Py & Po cuts. 5 mm qtz vein 30° to C.A.		84	277.5	279		.001		61
		Vein has minor Po & Py.		85	279	280.5		.001		
				86	280.5	282		.001		24
		72.4 M 5 cm qtz vein 75° to C.A. Tr Po, Py.		87	282	283.5		.001		
				88	283.5	285		.001		23
		72.5 - 76.4 M No qtz veining.		89	285	286.5		.001		
				W1690	286.5	288		.001		22
		76.0 - 76.4 M Siliceous sediment.		91	288	289.5		.001		
		76.4 M Irregular 2 cm qtz vein 70° to C.A. with Po & Py + 5 - 10% qtz		92	289.5	291		.001		58
		carbonate blebs. Vein cuts bedding which is at 60° to C.A.		93	291	292.5		.001		
				94	292.5	294		.001		84
		77.0 - 77.2 M Several 2 - 5 cm qtz veins parallel to foliation with		95	294	295.5		.001		
		Po, Py and qtz carbonate blebs. The phyllite adjacent to vein is		96	295.5	297		.001		87
		very strongly carbonaceous. Veins are often folded.		97	297	298.5		.002		
				98	298.5	300		.005		100

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD — PROPERTY Frasergold — HOLE NO. FBC 83-1 — Page 5

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)			ROD
54.05	128.4	Cont'd:		W1699	300	301.5		.002			
				W1700	301.5	303		.001			46
		77.8 M 9 cm qtz vein 70° to C.A. parallel to foliation Po & Py in vein.		01	303	304.5		.002			
				02	304.5	306		.001			69
		80.35 M 50 cm of siliceous sediment		03	306	307.5		.001			
		82.2 M - 84.1 M - Siliceous sediment		04	307.5	309		.001			69
		83.3 M Cross cutting qtz veins 2 - 4 mm in width.		05	309	310.5		.001			
		Both are barren.		06	310.5	312		.001			64
		Noted throughout this section are a number of fractures with graphite (carbon)		07	312	313.5		.001			
		coatings.		08	313.5	315		.001			50
				09	315	316.5		.001			
		83.4 M Cross cutting 1 cm qtz veins. One at 80° to C.A. & is cut by vein		W1710	316.5	318		.001			39
		at 30° to C.A.		11	318	319.5		.001			
				12	319.5	321		.001			36
		84.1 - 85 M strongly carbonaceous phyllite with 1 - 2% Py & Po &		13	321	322.5		.001			
		qtz boudins.		14	322.5	324		.001			13
		84.7 - 84.9 M veins have Po, Py and qtz carbonate blebs.		15	324	325.5		.001			
				16	325.5	327		.001			54
		85 - 85.5 M Black phyllite. No qtz veining.		17	327	328.3		.001			79
		87.7 - 91.4 M No qtz veining.									
		91.4 M Folded 2 cm qtz vein with Py & Po.									
		91.7 M 13 cm qtz vein 75°-80° to C.A. parallel to foliation. Trace Po &									
		Py in vein.									
		91.95 M 15 cm qtz vein 75°-80° to C.A. Trace Po & Py in vein.									
		92.4 M 8 cm qtz vein 75°-80° to C.A. and parallel to foliation. Vein has									
		trace Py and Po.									
		92.48 - 99.15 M Knotted phyllite with only one qtz vein at 96.8 M. The									
		phyllite is only moderately carbonaceous.									
		99.15 M 6 cm qtz vein 60° to C.A. Trace Po and Py in vein. Vein is cutting									
		foliation by 20°. Foliation is at 80° to C.A.									
		98.85 - 99.2 M crenulated 2 mm qtz vein 60° to C.A. with trace Po and Py.									
		Vein cuts foliation which is at 90° to C.A.									
		100.45 M 6 cm qtz vein parallel to foliation. 75° to C.A. Minor Py and Po									
		in vein.									
		104.5 M 17 cm qtz vein parallel to foliation 60°-70° to C.A.									
		104.8 M 20 cm qtz vein parallel to foliation 60°-70° to C.A. Po and Py in									
		both veins.									
		106.25 M Folded 2 - 4 cm qtz vein with trace Po and Py.									
		106.65 M 20 cm qtz vein parallel to foliation (70° to C.A.). Vein has trace									
		Py and Po and 5% qtz carbonate blebs.									
		106.9 M 80 cm qtz vein 45 - 70° to C.A. Po and Py and 7 - 8 specks of									
		106.9 V.G. in vein adjacent to selvage. Sulphide is also in vein adjacent to									
		selvage.									
		108.1 M 16 cm qtz vein 70° to C.A. and parallel to foliation. Po, Py and									
		a 4 mm bleb of sphalerite in vein.									

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
54.05	128.4 M	Cont'd:						
		107.7 - 108.1 M ≈ 1 % Po as blebs in very strongly carbonaceous phyllite.						
		109.7 M 3.5 cm qtz vein 70° to C.A. Good Po and Py in vein.						
		110.5 M Irregular 7 cm qtz vein with Py and Po and 5 - 10% qtz carbonate blebs.						
		104.5 - 111.75 M 24% qtz in core for the 7.25 M.						
		112.5 - 124 M Several usually < 10 cm bands of siliceous sediment, interbedded with the knotted phyllite.						
		113.2 M Bedding in siliceous sediment is at 80° to C.A. while foliation in knotted phyllite is 70° to C.A.						
		From 111.75 M - 124.2 M -- 33 cm or 2.6% of core is quartz.						
		113.55 M 8 cm qtz vein 70° to C.A. Trace Py, Po in vein.						
		115.1 M Two parallel qtz veins 1 cm and 5 mm both veins are parallel to foliation. Both veins have Py, Po and qtz carbonate blebs.						
		115.2 M 2 cm qtz vein down C.A. for 10 cm minor sulphide in vein.						
		Below 111.75 M to 124.1 M the phyllite is not as carbonaceous as above.						
		119.55 M 7 cm qtz vein parallel to foliation with minor Py and Po.						
		118.4 M - 120.85 M mainly siliceous phyllite.						
		122.85 M 1.5 cm qtz vein 70° to C.A. 10 - 20% Po, Py in vein.						
		124 - 128.4 M Black foliated knotted phyllite with short sections of siliceous sediment.						
		124.5 - 125.5 M Siliceous sediment with streaks of f/g Py and Po. This unit was probably called L.L.P. on surface mapping.						
		From 124 - 128.4 M there is only 3 cm of qtz veining. Bedding is at 75° to C.A.						
		At 125.2 M 5 mm qtz vein strongly folded. Folds have 1 - 2 cm wavelength, and trend down C.A. for 5 cm. Trace Po and Py in vein.						
		125.5 - 127.0 M Knotted phyllite ≈ 25% knots with 0.5% - 1.0% Py and Po disseminated.						
		Foliation is variable at 65° - 90° to C.A. Knots are rounded to lens like.						
		127.0 - 127.2 M Siliceous Sediment (as above)						
		127.2 - 128.4 M Mixed knotted phyllite and siliceous sediment, with strong carbonaceous alteration in the knotted phyllite.						
128.4	128.65 M	25 cm Gouge Zone at 80° to C.A. 100% Mud						
128.65	149.60 M	A Mixture of Carbonaceous Knotted Phyllite, Black Carbonaceous Phyllite interbedded with Lesser Siliceous Sediment.						
		The percentage of knots appear to vary but average around 20-30%						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
128.65	149.60 M	Cont'd:						
		knots and are oval to lens like in shape. Knots are aligned parallel to foliation. Banding occasionally seen in the knots can be at any angle to the core axis. This indicates the knots have been rotated. Foliation is well developed in the K.P. and is generally 70°-90° to C.A. Bedding noted in the siliceous sections is generally around 80° to C.A. Abundant upto 1% sulphide is present, mainly Py &Po, however a few specks of chalcopyrite and sphalerite are noted. Short 10 - 30 cm sections of core may have 5 - 10% sulphides. Py and Po, occurs as bands and streaks, often folded in the black carbonaceous phyllite. Most of the qtz veining is parallel to foliation, however folding of qtz veins is noted, with crenulation accompanying folding. Folding is on a 10 cm scale.						
		128.65 - 149.60 M 3.5% of core is qtz. Veins vary in size between < 1 mm to 10 cm. Most veins are 1 - 2 cm in size. Just about all the veins have Po, Py in the vein and in vein selvages.						
		128.65 - 134.7 M 70 % Black carbonaceous phyllite, with 20% knotted phyllite and 10% siliceous sediment. The siliceous sediment is usually in < 30 cm units.						
		132.3 M 15 cm's of qtz veining in 40 cm's of core. Veins have good sulphide associated.						
		134.7 M - 136.2 M Knotted phyllite 20 - 30 % knots. Knots are rounded to lens like and < 2 mm to 6 mm in size.						
		135.5 M 10 cm qtz vein parallel to foliation with Po and Py and qtz carbonate in vein and vein selvage.						
		136.2 - 147.0 M Mixed knotted phyllite and siliceous banded sediment. Foliation is generally 70° - 90° to C.A., subparallel to possible bedding.						
		138.0 M 0.6 M of ground core.						
		135.5 M 10 cm qtz vein with Py and Po and qtz carbonate in vein.						
		139.0 5 cm qtz vein with Po, Py and qtz carbonate. Vein is parallel to foliation.						
		139.2 - 139.8 M 60 cm of black phyllite, which has undergone plastic deformation. Strongly deformed ? - 4 mm qtz veins running down C.A. are present. Several narrow veins are at 30° - 45° to C.A. This foliation cuts another foliation or bedding which is at 90° to C.A. Abundant 3 - 5% Po & Py is present parallel to both foliations and in fold hinges. Sulphides occur as streaks. Throughout this section sericite is noted.	128.65 - 149.6 M up to 1 % Py & Po with short 5 M section with 2 - 5% Py, Po. Tr cpy & sphalerite noted.					
		139.8 - 142.2 M Mainly black phyllite banded. Section has weak carbonaceous alteration. Foliation is generally 30 - 70° to C.A. In sections where folded it can be at 0° to C.A. There are streaks						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS				
128.65	149.60 M	Cont'd:										
		and blebs of sulphides throughout. ≤1%.										
		141.5 M 5 cm qtz vein parallel to foliation with 5 - 10% Po and 10 - 20% qtz carbonate. Trace sphalerite in vein.										
		142.2 - 149.6 M Mainly knotted phyllite with a few 10 - 15 cm sections of siliceous sediment. The K.P. is black and the siliceous sediment is dark gray in colour. This section has ≈ 0.5% Po, Py as stringers and blebs parallel to foliation.										
149.60	196.2 M	Black Knotted Phyllite 10 - 30% Knots										
		The phyllite is black in colour and contains a variable knot content of 10 - 30%. Knots vary in size from 0.2 - 0.7 cm. The phyllite is moderately hard with only strong carbonaceous alteration adjacent to qtz veining. Foliation is strong at 70° - 90° to C.A. Sulphide content is variable from 0.10 - 1.0% with short sections of 2 - 5% Py and Po.										
		149.6 - 153.45 M 1.5% of core is qtz. From 153.45 - 182.1 M there is 2.7M of qtz veining 9.4% qtz.										
		181.1 - 196.2 M 1/2% qtz.										
		Short usually ≤1 M sections of F/g banded phyllite occur interbedded with the knotted phyllite. The banded phyllite appears to be slightly harder than the K.P. Py and Po occur as hairline streaks parallel to foliation or bedding. This banded phyllite was probably called L.L.P. on surface.										
		151.1 - 151.9 M Banded phyllite with Py and Po.										
		153.45 M 31 cm qtz vein 70° to C.A. and parallel to foliation. Trace Po, Py in vein and good Po, Py and 5% qtz carbonate in vein selvage.										
		157.6 M 11 cm qtz vein 80° to C.A. Vein has 2 cm band of phyllite. Good Po and Py and 5 - 7% qtz carbonate in vein and vein selvage.										
		160.55 - 160.9 M A 5 cm, 6 cm and 4 cm qtz veins. All ≈ 65 -70° to C.A. All veins have 10 - 20% qtz carbonate and only trace Py, Po.										
		161.8 M 72 cm qtz vein, 60° to C.A. and parallel to foliation. Trace Py and Po and 1 - 2% qtz carbonate in vein.										
		161.5 M 50 cm band of banded phyllite. Moderately hard with streaks of Py and Po.										
		164.2 M 1.1 meters of banded phyllite. Bedding 85° to C.A.										
		166.0 - 166.4 M 5 qtz veins varying in width from 3 mm to 2 cm. Veins have minor sulphides and 0 - 10% qtz carbonate blebs. Veins are parallel to foliation.										
		169.75 M 9 cm qtz vein 10° to foliation. Vein is at 80° to C.A., while foliation is 70° to C.A. Only minor sulphides in vein with a fragment of phyllite.										
		Minor chlorite is occasionally noted associated with the qtz veining.										

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
149.6	196.2 M	Cont'd:						
		169.7 - 170.7 M A 4 cm, 4cm 6 cm and 15 cm qtz veins. Veins cut foliation at 5 - 20%. Veins have minor Po, Py and 3 - 5% qtz carbonate blebs. Tr cpy is noted.						
		In the interval 169.7 - 170.7 M there are a few knots in the K.P. up to 1.3 cm in size. The knots have visable disseminated Py.						
		Noted at 172.5 and elsewhere are 2 - 5 cm bands of more silliceous rock interbedded with the K.P. Foliation is strong at 75°-90° to C.A. Bedding is subparallel to foliation.						
		177.8 M 45 cm of very strong carbonaceous alteration with strongly deformed qtz. Qtz has 5 - 8% Po, Py and 3 - 10% qtz carbonate blebs. Tr cpy noted in qtz.						
		179.95 M 2.5 cm qtz vein at 50° to C.A., foliation is at 70° to C.A. Vein has minor Py and Po and 5 - 10% qtz carbonate in vein and vein selvage.						
		180.25 M 60 cm of very strong carbonaceous material and 3 - 4% stringer Py and lesser Po. The rock is strongly folded and a 1.5 cm wide siliceous zone is folded and crenulated down C.A. for 25 cm.						
		181.85 M 27 cm qtz vein parallel to foliation with Po, Py and Tr cpy, 5 - 7% qtz carbonate in vein selvage. Strong carbonaceous development adjacent to vein.						
		186.7 M 4 cm qtz vein parallel to foliation with 5% disseminated and stringer Py. No Po is noted. There is 5 - 10% qtz carbonate in vein.						
		190 M Foliation is at 70° - 80° to C.A.						
		196.75 M 10 cm qtz vein parallel to foliation which is at 65°-70° to C.A. Vein has good Py & Po in vein selvage and 10% qtz carbonate.						
		187.1 M - 193.5 M Trace Po at best.						
		From 194.5 M there is an increase in sulphide content up to 1 - 2% from < 0.5% for much of the above section.						
196.2	196.4 M	Light Gray Siliceous Sediment.						
		The upper and lower contacts of this 20 cm unit are sharp and at 65° to C.A. Unit has 1 cm qtz vein with trace Py and Po cross cutting bedding. An irregular folded 3 - 5 mm qtz vein 0° to C.A. Vein cuts vein above and has trace Po, Py.						
196.4	220.45 M	Interbedded Black Knotted Phyllite and F/g Black Banded Phyllite						
		The majority of the rock is banded phyllite with the knotted phyllite occurring as short usually < 2 M units. This section has only						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
196.4	220.45 M	Cont'd:						
		a weak qtz veining system with 45 cm of qtz veining (2% qtz). Much of this section has weaker carbonaceous development, except adjacent to some of the qtz veining. Most qtz veins are parallel to foliation, however some < 1 cm veins are strongly folded and crenulated. The majority of the qtz veins have Py and Po associated. Up to 2 - 3% Py and lesser Po occur as stringers and blebs in the phyllite. Sulphide content is higher than in the two sections above.						
		The first 90 cm of this unit is strongly crenulated knotted phyllite. There are ≈ 10 - 15% knots. The average percentage of knots for the entire section is ≈ 20%.						
		197.3 - 199.7 M Mainly knotted phyllite with minor banded phyllite.						
		199.7 - 202.1 M Mainly banded phyllite.						
		202.1 - 205.8 M Knotted phyllite						
		205.8 - 220.45 M Banded phyllite with 10 - 15% knotted phyllite.						
		201.1 M 21 cm qtz vein 75° to C.A. Minor Po, Py and 3 - 5 % qtz carbonate in vein and vein selvage. This vein has stringers of phyllite within it.						
		The banded phyllite is harder than the knotted phyllite and have very little qtz veining. 2 - 3% Py and Po (15% of the sulphide is Po) occurs as streaks and blebs in the phyllite.						
		205.6 - 206.15 M Fault gouge 40° to C.A. Gouge has 7 cm qtz vein with Po and Py. The gouge is composed of strongly carbonaceous material.						
		206.35 M 4 cm qtz vein 70° to C.A. Py and Po and 5 - 10% qtz carbonate in vein and vein selvage.						
		Short (< 30 cm) sections of this interval have upto 5 - 7% Py and Po. The sulphide is often folded and occurs parallel to foliation or is parallel to bedding and occurs as thin streaks.						
		From 214 M Po content is increasing.						
220.45	254.5 M	Black Carbonaceous Phyllite, Interbedded with Bands of Dark Gray Silicous Sediment to Chert.						
		The Siliceous bands vary from < 1 mm to several cm's. Bedding when preserved is at 70° to 90° to C.A. In places such as 227.4 M the chert bands which are 4 - 5 mm wide have been stretched into lenses and surrounded by black carbonaceous phyllite. The lenses look like stretched Lapilli fragments.						
		Py and Po occur as lenses, stringers and blebs in the phyllite parallel to foliation and or bedding and in qtz veins.						
		220.45 - 223.85 M 1/2 % qtz.						
		From 223.85 M - 239.0 M there is 1.60 meters of qtz of 6.6%.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
220.45	254.5 M	Cont'd:						
		This section has 2 - 4% Py, Po with Py being more abundant. All the qtz veins have Py & Po in the vein itself and in vein selvages.						
		A short interval 227.6 - 228.0 M doesn't appear to contain any Po.						
		226.5 M .5 cm qtz vein 70° to C.A. Minor Py, Po and one speck of sphalerite in vein selvage.						
		226.8 M 12 cm qtz vein cutting foliation. Vein is at 40° to C.A. Vein has minor Po & Py.						
		In places such as 229.6 M qtz veins have broken and rotated, producing qtz knots with sulphides (Py, Po) contained within. Knots are < 2 mm to 2 cm and may contain up to 75% sulphides. In places the qtz and phyllite is strongly folded. Sulphides tend to increase in the nose of folds.						
		235.8 M 2 cm folded qtz vein. Partly broken up as a result of folding. Py and qtz carbonate are present.						
		236.6 M Strongly folded 4 mm qtz vein.						
		From 220.45 M to 254.5 M there appears to be less qtz carbonate associated with some of the qtz veining. Po is also decreasing in concentration.						
		239.4 M Tightly folded 1 cm qtz vein with foliation rapping around vein. Several other qtz veins have formed knots (boudins).	220.45 - 254.5 M up to 2 - 3% Py & Po					
		From 239 M to end of section 2 - 3% Py and Po, with Py being more abundant. These sulphides occur as stringers, blebs and bands conforming to the foliation in the phyllite. Py and Po are also associated with qtz veining.						
		238.9 M Folded 2 cm qtz vein. Minor Py and Po in vein.						
	Pods	239.0 - 254.5 M 39 cm of qtz veins (2.5%). Some of the qtz veins have been boudinaged, causing them to formknots and lens like pods.						
		From 239 M the phyllite is strongly carbonaceous. Bedding preserved in the more siliceous sections is generally at 80° to C.A. The foliation in the Black carbonaceous phyllite varies considerably and is often strongly folded.						
		249.7 M Two subparallel 2 cm qtz veins. Veins are at 60° to C.A. and parallel to foliation. Veins have 15% Po, Py. From 240 M there appears to be less qtz carbonate in veins.						
		253.15 M 3 cm qtz vein parallel to foliation, which is at 65° to C.A. Trace Py in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
254.5	267.3 M	F/g Light to Dark Gray Banded Siliceous Sediment Interbedded with Short Sections of Black Carbonaceous Phyllite.						
		The siliceous sediment appears to be silty and is finely bedded. Interbedded with the siliceous sediment are short upto 2 M units of black carbonaceous phyllite to weakly knotted phyllite.						
		254.5 - 267.3 M 57 cm of qtz veining (4.3%)						
		256.5 - 258.25 M Interbedded on a 10 - 20 cm scale is black carbonaceous phyllite and siliceous sediment.						
		258.75- 259.05 M Black phyllite with 5% knots. Those knots are upto 1.5cm in size. There is 3% disseminated Py with lesser Po in the phyllite.						
		255.1 M 5 cm qtz vein cutting foliation. Trace Py and qtz carbonate in vein.						
		256.5 M 9 cm qtz vein ≅ 5° to foliation. Vein has Tr Py and 3 - 5% qtz carbonate.						
		258.2 M 5 cm qtz vein parallel to foliation at U.C. L.C. cuts foliation. Minor qtz carbonate in vein.						
		Foliation and possible bedding is at 75° - 90° to C.A.						
		259.7 - 260.55 M weakly knotted black phyllite.						
		At 260.0 M Folded 2 cm qtz vein moderate qtz carbonate (≅ 5 - 10%). Vein has 3 - 5% Py in vein selvage.						
		This section has a number of 2 - 5mm qtz veins which have been boudfnaged and folded. (260.55 - 261.60 M)						
		261.6 - 267.3 M Black Phyllite which is weakly knotted, with short 2 - 20 cm section of siliceous sediment interbedded. In places the rock is strongly crenulated.						
		263.9 M 3 cm qtz vein subparallel to foliation, minor pyrite and qtz carbonate in vein.						
		This section from 254.45 - 267.3 M has only trace Po. Po content is decreasing downhole.						
		266.1 M Subparallel qtz veins 5 cm and 6 cm. Veins are subparallel to foliation which is at 65° to C.A. Both veins have qtz carbonate and minor pyrite.						
267.3	328.3 M	Black Phyllite with Interbedded Sections of Weakly knotted phyllite and Siliceous Sediment.						
		Foliation is quite well developed throughout and is generally 70° - 90° to C.A. Sections are strongly folded causing foliation to vary from 0° - 90°						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
267.3	328.3 M	Cont'd:						
		to C.A. Folding is on a 10 - 30 cm scale. These folds are inturn crenulated on a 1 - 2 cm scale. The fold axis of the folds and crenulations are generally 90° to C.A. Minor offsets are noted in the hinges of the crenulations. Qtz veining associated with the more strongly folded sections are themselves folded.						
		267.3 - 291.8 M 75 cm of qtz veining (3%)						
		Pyrite and the reoccurrence of Po is noted in this section. Total sulphide content is 1 - 3% with the majority being pyrite. Sulphides occur as blebs and stringers in the Black Phyllite and in qtz veins and vein selvages.						
		In places such as 269.8 M poorly or partly formed knots can be seen in the phyllite.						
		270.35 - 271.0 M 37 cm of qtz veining. Veins have minor Py and trace Po and 5% qtz carbonate as blebs. Veins have strong graphitic selvages and are subparallel to foliation.						
		271.3 - 282.6 M < 2 cm of qtz veining in total.						
		275.5 M A good example of crenulated folds. Folds have 20 cm wave length. Axis of crenulations is 80° to C.A.						
		281.4 M 5 cm gouge zone at 80° to C.A. and parallel to foliation.						
		283.55 M 4 cm gouge zone 75° to C.A. and parallel to foliation.						
		284.2 M 2 cm gouge zone 85° to C.A. and parallel to foliation.						
		288.8 M 1.5 cm qtz vein ≈ 5-10° to foliation which is 85° to C.A. Vein has ≈ 5% qtz carbonate and trace Py, Po.						
		Starting at 291.8 M and extending to 306.5 M there is a qtz vein zone. The 14.7 M has 12% qtz.						
		Most of the qtz veins have good Py and trace Po; and qtz carbonate is present in a number of the qtz veins. Veins vary in size upto 20 cm. Most are 2 - 6 cm in size, and subparallel to parallel to foliation. Angle to C.A. varies from 10°-90° due to folding. Some of the qtz veins have been boudinaged and many of the veins have strongly carbonaceous selvages.						
		292.6 - 293.0 M A good example of foliation varying its angle to C.A. From 90° to 25°.						
		292.15 M 11 cm qtz vein with a 5 mm 64 6 cm bleb of recrystallized pyrite. Trace qtz carbonate in vein. Tr sphalerite is also noted in vein.						
		294.3 M 9 cm qtz vein 45° to C.A. with Py & Po & trace sphalerite and 5% qtz carbonate. There are also several specks of a soft silver coloured mineral. Vein is parallel to foliation and is folded. Vein has minor Py and Po.						
		294.8 M 1.5 cm qtz vein 5° - 10° to foliation which is at 80° to C.A. Vein has 15 - 25% Py & Po & Trace sphalerite.						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. FBC 83-1 Page 14

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
262.3	328.3 M	Cont'd:						
		299.5 - 300 M 80% qtz for the 0.5 M. Veins are parallel to foliation which is at 75° to C.A. Good 10-20% Po & Py and 10-15% qtz carbonate in vein and vein selvage. Irregular fragments of phyllite occur in the qtz.						
		300.95 M 9 cm qtz vein. Trace Py in vein selvage.						
		301.10 M Irregular 2 cm qtz vein with 20% Py. (c/g recrystallized Pyrite).						
		301.9M 12 cm qtz vein. Broken. Trace Py and a few specks of sphalerite.						
		304.5 M 2 cm qtz vein parallel to foliation ≈ 60° to C.A. 3-5% qtz carbonate and trace pyrite in vein. Foliation increases to 85° to C.A. either side of vein.						
		305.9 M Folded 2 cm qtz vein. Fold axis 90° to C.A. Trace Py in vein.						
		From 306.5 - 328.3 M 20 cm of qtz in the phyllite (1%)						
		307.5 M An example of folded and crenulated rock. Folding is on ~ 15 cm scale and crenulations on a 1 cm scale.						
		From 308 M sulphide content is decreasing and by 312 M it is < 1/2%.						
		From 312 M to end of hole at 328.3 M there is only trace sulphides with short 30 cm sections with 1 - 2 % Py. No Po is noted.						
		310.5 3 - 5 cm qtz vein parallel to foliation at 85° to C.A. Vein is broken and has minor Py.						
		316.85 M 2 - 4 cm qtz vein parallel to foliation at 40° to C.A. Minor Py and Po in vein.						
		319.85 M 1 cm qtz vein 90° to C.A. Trace Py in vein.						
		322.1 M Broken 1 cm qtz vein 75° to C.A. and parallel to foliation. Trace pyrite in qtz vein.						
		327.85 M 5 mm qtz vein 60° to C.A. Trace Py in vein.						
		The interval 318 - 328.3 M is strongly folded and the folds are crenulated.						
	328.3 M	E. O. H.						

Paul Brow

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY FRASERGOLD	LATITUDE L55 + 06E	STARTED October 6th, 1983	
HOLE NO. FBC 83-2	DEPARTURE 2 + 765	FINISHED October 11th, 1983	
BEARING Az: 045°	ELEVATION 5,110 ft. (1,557.5 M)	LENGTH 1,057 ft. (322.2 M)	
DIP-COLLAR -50°	SECTION	LOGGED BY P. Brown	

DIP TEST

Footage	Corrected	Footage	Corrected	Footage	Corrected
61 M	-47°	243.8	-45°		
122 M	-45°	304.8	-45°		
182.9 M	-45°				

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization
0	15.2	CASING:	
15.2	140.0M	Black Knotted Phyllite (15-30% knots) with Minor Interbedded Black Banded Phyllite and 1-2 CM. Sections of Siliceous Sediment to Chert	
		The knots vary from 15-30%, and in size from 2-7 mm, and in shape from lenslike to rounded. A few are irregularly shaped. About 20% of the knots in the first 6 m have moderate to strong limonite weathering. From 15.2 - 33 m., the sulphide content of the phyllite is low, 0.1 - 0.2%. Down to 27 m. most of the quartz veins present have strong limonite associated.	15.2 - only 0.1 - 0.2% Po,Py in the Phyllite.
		From 15.2 m. to 33 m., there is 1.72 m of quartz veining. Veins vary in size from < 2 cm. to 10-15 cm. Veins appear to be parallel to foliation.	
		The vein system intersected about 100 m. down hole in FBC 83-1, was expected to be intersected in the interval 20-40 m. in FBC 83-2. The vein which the zone intersected in FBC 83-1 was not recognized in FBC 83-2. However, between 15.2 and 38.4 m, there is a good quartz vein system present in FBC 83-2.	
		Foliation in the phyllite is moderate to strong and is ≈ 70° to C.A. Carbonaceous development is strongest adjacent to some of the quartz veins, while the majority of the phyllite is only weakly altered.	
		Strong crenulations in the phyllite isn't noted to 102 m.	
		At 22.5 m 65 cm. unit of banded phyllite, with banding at 75° to C.A. Unit is moderately limonitic.	
		In the first 15 m, many of the quartz veins are vuggy. Maybe Py has been weathered out of the quartz. The quartz veins have strong limonite and minor pyrite associated down to ≈ 27 m. 5-20% quartz carbonate is noted in the quartz veins. No Po is noted until 36.5 m. Moderate sericite development is noted in most of the quartz veins throughout this section.	
		18.0 m Limonitic 15 cm. qtz. vein 70° to C.A. 18.5 m Limonitic 8 cm. qtz. vein with a 1 cm. radiating growth of pale green Actinolite.	

SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)			ASSAYS ROD
W1718	15.2	16.7		.001			
W1719	16.7	18.0		.001			31
W1720	18.0	19.5		.001			
W1721	19.5	21.0		.001			53
W1722	21.0	22.5		.001			
W1723	22.5	24.0		.001			46
W1724	24.0	25.5		.001			
W1725	25.5	27.0		.001			49
W1726	27.0	28.5		.001			
W1727	28.5	30.0		.001			74
W1728	30.0	31.5		.001			
W1729	31.5	33.0		.001			76
W1730	33.0	34.5		.002			
W1731	34.5	36.0		.001			65
W1732	36.0	37.5		.001			
W1733	37.5	39.0		.001			73
W1734	39.0	40.5		.001			
W1735	40.5	42.0		.001			98
W1736	42.0	43.5		.001			
W1737	43.5	45.0		.001			100
W1738	45.0	46.5		.001			
W1739	46.5	48.0		.001			81
W1740	48.0	49.5		.001			
W1741	49.5	51.0		.001			41
W1742	51.0	52.5		.001			
W1743	52.5	54.0		.009			52
W1744	54.0	55.5		.002			
W1745	55.5	57.0		.001			78
W1746	57.0	58.5		.001			
W1747	58.5	60.0		.001			90
W1748	60.0	61.5		.001			
W1749	61.5	63.0		.195			74
W1750	63.0	64.5		.010			
W1751	64.5	66.0		.072			98
W1752	66.0	67.5		.010			
W1753	67.5	69.0		.001			68
W1754	69.0	70.5		.008			

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	Length	ASSAYS Au(oz/t)			ROD
15.2	140.0 M	CONT'D.		W1755	70.5	72.0		.001			61
				W1756	72.0	73.5		.001			
		23.3 M 15 cm. broken quartz vein 40° to C.A. and parallel to foliation.		W1757	73.5	75.0		.002			75
		Strong limonitic in vein selvage.		W1758	75.0	76.5		.001			
				W1759	76.5	78.0		.001			97
		24.5 M 14 cm. quartz vein 75° to C.A. 10-20% quartz carbonate and		W1760	78.0	79.5		.001			
		trace Py in vein.		W1761	79.5	81.0		.001			30
				W1762	81.0	82.5		.001			
		25.1 M Two parallel 10 cm. quartz veins with quartz carbonate and		W1763	82.5	84.0		.001			33
		minor Py. Veins are at 60° to C.A. and parallel to foliation.		W1764	84.0	85.5		.001			
		27.5 M 9 cm. quartz vein 80° to C.A. and parallel to foliation.		W1765	85.5	87.0		.001			13
		Limonite is present in vein selvage.		W1766	87.0	88.5		.008			
				W1767	88.5	90.0		.002			68
		29.85-30.15 M 60% quartz parallel to foliation. Tr. Py and minor		W1768	90.0	91.5		.001			
		quartz carbonate and trace chlorite in vein.		W1769	91.5	93.0		.001			84
				W1770	93.0	94.5		.001			
	Clastic	From 33-140 M, Black knotted phyllite with a variable knot content 15-30%		W1771	94.5	96.0		.001			83
		with short interbedded bands of light grey siliceous sediment to chert.		W1772	96.0	97.5		.001			
		The interbedded bands are usually < 1 cm. in width. Bedding is 80°-85°		W1773	97.5	99.0		.001			100
		to C.A. while foliation is usually between 70°-90° to C.A. Over short		W1774	99.0	100.5		.001			
		intervals, usually adjacent to quartz veining, foliation can be at any		W1775	100.5	102.0		.001			99
		angle to the C.A.		W1776	102.0	103.5		.001			
				W1777	103.5	105.0		.009			97
		Short sections adjacent to some of the quartz veins are strongly carbon-		W1778	105.0	106.5		.002			
		aceous with any knots present being destroyed. (It is possible that		W1779	106.5	108.0		.001			100
		the knots were formed after the carbonaceous development, thus making		W1780	108.0	109.5		.011			
		the rock adjacent to some of the quartz veins too soft to produce knots).		W1781	109.5	111.0		.025			100
				W1782	111.0	112.5		.060			
		33.0 - 38.4 M 1.24 M (23% quartz) of quartz veining.		W1783	112.5	114.0		.265			69
				W1784	114.0	115.5		.060			
		34.6 M 4 cm. quartz vein 80° to C.A. 50% quartz carbonate and trace		W1785	115.5	117.0		.009			30
		Py and 5-10% chlorite in the vein and vein selvage.		W1786	117.0	118.5		.001			
				W1787	118.5	120.0		.001			90
		35.0 M 22 cm. quartz vein parallel to foliation about 80° to C.A.		W1788	120.0	121.5		.001			
		Trace pyrite and quartz carbonate in vein and trace chlorite.		W1789	121.5	123.0		.001			100
				W1790	123.0	124.5		.001			
		35.65M Quartz vein down C.A. for 11 cm. Vein is parallel to foliation.		W1791	124.5	126.0		.001			100
		Trace sulphides in vein.		W1792	126.0	127.5		.001			
				W1793	127.5	129.0		.020			100
		36.0 M 11 cm. quartz vein parallel to foliation. Vein has trace Py and		W1794	129.0	130.5		.051			
		10-20% chlorite in vein.		W1795	130.5	132.0		.010			100
				W1796	132.0	133.5		.001			
		36.5 M 14 cm. quartz vein parallel to foliation, ≈ 80° to C.A. 20%		W1797	133.5	135.0		.002			83
		quartz carbonate and trace Py & Po in vein.		W1798	135.0	136.5		.001			
				W1799	136.5	138.0		.030			91
		38.05 M 25-30 cm. quartz vein 30% to C.A. and parallel to foliation.		W1800	138.0	139.5		.007			
		Vein has 15-20% quartz carbonate and trace Po, Py.		W1801	139.5	141.0		.019			98
				W1802	141.0	142.5		.001			
		From 38.4-46.2 M, there is no quartz veining.		W1803	142.5	144.0		.027			100
		40.0-40.5 M Interbedded on a 1-5 mm. scale, siliceous sediments and		W1804	144.0	145.5		.029			
	Clast.	Black Knotted Phyllite.		W1805	145.5	147.0		.029			99
				W1806	147.0	148.5		.007			

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)	ASSAYS	ASSAYS RQD
15.2	140.0 M	CONT'D		W1807	148.5	150.0		.001		67
				W1808	150.0	151.5		.001		
		Oxidation of knots stops (excepted for a few isolated locations) at 34 M.		W1809	151.5	153.0		.001		72
		Even at this depth, the oxidation is adjacent to fractures, and doesn't		W1810	153.0	154.5		.001		
		penetrate very far into the rock.		W1811	154.5	156.0		.001		75
				W1812	156.0	157.5		.010		
		Throughout this entire section to 140.0 M, sericite is noted in the		W1813	157.5	159.0		.004		79
		majority of the quartz veins and in vein selvages.		W1814	159.0	160.5		.022		
				W1815	160.5	162.0		.002		98
		From 46.2 - 91.1 M, there is a moderate quartz vein system developed with		W1816	162.0	163.5		.001		
		9.3% of this interval being quartz. Veining is relatively evenly distri-		W1817	163.5	165.0		.012		69
		buted throughout. Many of the veins are $\leq$ 5 cm. in width with a few		W1818	165.0	166.5		.008		
		10-20 cm. wide veins interspersed. Most of the quartz veining doesn't		W1819	166.5	168.0		.001		86
		have abundant sulphides (Py,Po) associated. They do have 5-20% quartz		W1820	168.0	169.5		.001		
		carbonate blebs. Most of the veins aren't deformed, however, a few are		W1821	169.5	171.0		.030		59
		strongly folded.		W1822	171.0	172.5		.001		
				W1823	172.5	174.0		.001		88
		48.85 M 5 cm. quartz vein 75° to C.A. Trace Po and 3-5% quartz carbonate		W1824	174.0	175.5		.003		
		in vein.		W1825	175.5	177.0		.002		100
				W1826	177.0	178.5		.002		
		51.1 - 52.2 M Mainly fine-grained Black Phyllite, not knotted. Unit has		W1827	178.5	180.0		.002		100
		narrow $\leq$ 1 to 2 mm. bands of Py, Po parallel to foliation. At 52.15 M		W1828	180.0	181.5		.001		
		3 cm. band of siliceous sediment at 90° to C.A.		W1829	181.5	183.0		.001		62
				W1830	183.0	184.5		.001		
		51.45 M 15 cm. quartz vein 75° to C.A. with 15-20% quartz carbonate in		W1831	184.5	186.0		.001		61
		vein selvage. There is only trace Po,Py associated.		W1832	186.0	187.5		.008		
				W1833	187.5	189.0		.001		30
		From 53 M, there appears to be a general improvement in the amount of		W1834	189.0	190.5		.001		
		Py and Po associated with the quartz veining.		W1835	190.5	192.0		.002		76
				W1836	192.0	193.5		.001		
		At 56 M, the amount of sulphides within the phyllite is still low		W1837	193.5	195.0		.001		72
		$\simeq$ 0.2% or less.		W1838	195.0	196.5		.001		
				W1839	196.5	198.0		.001		100
		58.3 M. 17 cm. quartz vein with 30% phyllite stringers in vein. Vein has		W1840	198.0	199.5		.001		
		5% Po, Py and several specks of Cpy. 5% quartz carbonate in vein. Vein		W1841	199.5	201.0		.002		100
		is parallel to foliation which is at 75° - 80° to C.A.		W1842	201.0	202.5		.001		
				W1843	202.5	204.0		.001		41
		61.8 M, 70 cm. quartz vein with $\simeq$ 25% phyllite fragments in the vein.		W1844	204.0	205.5		.001		
		Minor Py and Po and 3-5% quartz carbonate in vein.		W1845	205.5	207.0		.001		27
				W1846	207.0	208.5		.001		
		63.0 - 64.4 Mainly Black Phyllite. Banded.		W1847	208.5	210.0		.038		44
				W1848	210.0	211.5		.002		
		65.4 M, 14 cm. quartz vein $\simeq$ 70° to C.A. with trace Po, Py and 2-3%		W1849	211.5	213.0		.001		42
		quartz carbonate.		W1850	213.0	214.5		.001		
				W1851	214.5	216.0		.001		46
		68.5 M, 15 cm. quartz vein 65° to C.A. Trace Po, Py in vein.		W1852	216.0	217.5		.001		
		69.8 M, 12 cm. quartz vein 55° to C.A. 5% quartz carbonate in vein.		W1853	217.5	219.0		.001		48
		73.9 M, 70 cm. quartz vein. Vein is at 30° to C.A. and subparallel to		W1854	219.0	220.5		.006		
		foliation. 2-3% quartz carbonate in vein selvage and trace Py, Po.		W1855	220.5	222.0		.001		62
				W1856	222.0	223.5		.008		
		77.25 M, 14 cm. quartz vein. UC is 80° to C.A. LC is 30° to C.A.		W1857	223.5	225.0		.011		86
		Vein has 25% phyllite fragments and 10% chlorite with 5-10% Py, Po		W1858	225.0	226.5		.008		
		in vein.								

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	Length	ASSAYS Au(oz/t)			800
15.2	140.0 M	CONT'D:		W1859	226.5	228.0		.010			95
				W1860	228.0	229.5		.038			
		78.25 - 79.7 M Fine-grained Black Banded Phyllite.		W1861	229.5	231.0		.005			75
		80.65 M strongly folded 5-10 mm. quartz vein. Folding is on a 10 cm.		W1862	231.0	232.5		.002			
		wavelength. There is Po,Py and several specks of Cpy in vein.		W1863	232.5	234.0		.001			53
				W1864	234.0	235.5		.008			
		83.6 M. Broken 30 cm. quartz vein with 20% phyllite fragments and		W1865	235.5	237.0		.001			81
		5% chlorite. Vein also has 5% quartz carbonate and trace Py, Po.		W1866	237.0	238.5		.130			
		84.0 - 87.2 No quartz veining.		W1867	238.5	240.0		.005			72
		89.1 M 4 cm. quartz vein 65° to C.A. and parallel to foliation. 10%		W1868	240.0	241.5		.001			
		quartz carbonate and 2-5% Py and Po in vein.		W1869	241.5	243.0		.003			59
		89.2 M 6 cm. quartz vein 70° to C.A. 5% quartz carbonate and minor		W1870	243.0	244.5		.001			
		Py and Po in vein.		W1871	244.5	246.0		.001			58
				W1872	246.0	247.5		.001			
		89.5 M 14 cm. quartz vein 35° to C.A. 20% quartz carbonate and 2-3%		W1873	247.5	249.0		.001			63
		Py in vein.		W1874	249.0	250.5		.001			
		90.2 M Two quartz veins - one is 7 cm. and at 60° to C.A. and sub-		W1875	250.5	252.0		.003			82
		parallel to foliation. Vein has 1-2% Py and Po. The other is separated		W1876	252.0	253.5		.001			
		by 2 cm. of phyllite and is irregular in shape. Vein has 5-10% quartz		W1877	253.5	255.0		.001			100
		carbonate and 2-5% Py and Po.		W1878	255.0	256.5		.056			
				W1879	256.5	258.0		.025			88
		90.75 M 10 cm. quartz vein 30° to C.A. and parallel to foliation. Vein		W1880	258.0	259.5		.016			
		has minor Py,Po and 3-5% chlorite.		W1881	259.5	261.0		.001			98
				W1882	261.0	262.5		.002			
		91.1 M 2 cm. quartz vein 85° to C.A. Tr. Py and Po.		W1883	262.5	264.0		.045			97
				W1884	264.0	265.5		.107			
		91.1-100.4 M Only one quartz vein and it is located at 96.3 M.		W1885	265.5	267.0		.009			67
		11 cm. quartz vein at 80° to C.A. Trace sulphides in vein.		W1886	267.0	268.5		.001			
		100.4-101.7 M 46 cm. of quartz veining (35%)		W1887	268.5	270.0		.001			85
		100.4 M 27 cm. quartz vein 90° to C.A. 5% quartz carbonate and trace		W1888	270.0	271.5		.002			
		Py and Po and a few specks of Cpy in vein.		W1889	271.5	273.0		.001			98
		101.5 M 19 cm. quartz vein 75-80° to C.A. Vein has 30% phyllite		W1890	273.0	274.5		.001			
		fragments; trace Py, Po and minor quartz carbonate.		W1891	274.5	276.0		.001			93
				W1892	276.0	277.5		.001			
		101.7-111.45 M (3% quartz veining) 28 cm. of quartz.		W1893	277.5	279.0		.001			86
				W1894	279.0	280.5		.001			
		101.7 M - 111.45 M 28 cm. or 2.9% quartz veining.		W1895	280.5	282.0		.001			97
				W1896	282.0	283.5		.001			
		102.85 M 7 cm. quartz vein 75° to C.A. Vein is parallel to foliation.		W1897	283.5	285.0		.001			76
		Minor quartz carbonate and trace Po, Py in vein.		W1898	285.0	286.5		.003			
				W1899	286.5	288.0		.002			86
		103.05 M 3-5 cm. quartz vein 50° to C.A. and subparallel to foliation.		W1900	288.0	289.5		.001			
		Moderate Po, Py and 5-10% quartz carbonate in vein.		W1901	289.5	291.0		.001			71
				W1902	291.0	292.5		.001			
		103.8 M, 8 cm. quartz vein 75° to C.A. Trace Po, Py and Sphalerite in		W1903	292.5	294.0		.001			16
		vein, with 5% quartz carbonate.		W1904	294.0	295.5		.001			
				W1905	295.5	297.0		.001			57
		From 104.55 M - 110.45 M No quartz veining.		W1906	297.0	298.5		.001			
				W1907	298.5	300.0		.001			26
		110.45 M 8 cm. quartz vein 75° - 80° to C.A. and parallel to foliation.		W1908	300.0	301.5		.002			
		5% quartz carbonate and minor Po in vein.		W1909	301.5	303.0		.002			59

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)	ROD
15.2	140.0 M	Cont'd:		W1910	303	304.5		.001	
				W1911	304.5	306		.001	38
		110.6 M -- 3 cm qtz vein 65° to C.A. Vein cuts foliation which is at 80° to C.A. Vein has 5 - 10% Po. and trace Py.		W1912	306	307.5		.001	
				W1913	307.5	309		.002	56
				W1914	309	310.5		.001	
		111.5 - 114.4 M -- qtz vein. Upper contact irregular but parallel to foliation. Lower contact 80° to C.A. Vein has 10-15% phyllite inclusions. There is about 10% qtz carbonate occurring as patches in the vein. The matrix to the qtz carbonate is at times Po. Py. There is 5-15% Po and Py in the vein and trace Cpy.		W1915	310.5	312		.003	39
				W1916	312	313.5		.001	
				W1917	313.5	315		.002	11
				W1918	315	316.5		.001	
				W1919	316.5	318		.001	46
				W1920	318	319.5		.001	
		This vein has at least 10 specks of V.G. This vein doesn't look like the vein with visible gold intersected at 106.90 M in FBC 83-1.	111.5 - 114.4 M V.G.	W1921	319.5	321		.002	4
			4 - 5 locations in the 2.9 meter interval.	W1922	321	322.2		.001	0
		The vein has strong carbonaceous alteration developed adjacent to the vein. The V.G. occurs at several locations in the vein.							
		115.2 M -- Broken 35 cm qtz vein with minor qtz carbonate and trace Po, Py. Very strong carbonaceous alteration adjacent to vein for 30-80 cm either side of vein.							
		From 118.0 - 137.75 M there is only trace qtz veining in the knotted phyllite. Only 0.80% of the core is qtz.							
		118.3 M -- 30 cm of knotted phyllite with several 5 mm wide crenulated chert bands, separated by 1 - 2 cm wide bands of knotted phyllite.							
		127.6 M -- 9 cm qtz vein 75° to C.A. and parallel to foliation. 20% qtz carbonate and minor Py, Po and trace Cpy and a few specks of a soft silver coloured mineral in vein.							
		From 115.2 - 140.0 M -- Scattered throughout this section are a number of narrow $\leq$2 cm wide bands of siliceous sediment to chert. Total content in core is $\approx$ 2%.							
		137.75M -- 8 cm qtz vein 80° to C.A. and parallel to foliation. 30% qtz carbonate and 20% Po, Py and trace Cpy in vein.							
		137.95 M -- 2 cm qtz vein 45° to C.A. Vein cuts foliation. 50-70% of vein is qtz carbonate and 20% Po, Py with trace Cpy. Vein cuts a 2 cm qtz vein at 45° to C.A. and at 80°-90° to vein above. Vein has minor sulphides associated. Vein has strong qtz carbonate and 3-5% Po, Py in vein selvage.							
		To 140 M from 15.2M -- Except for short 1 - 2 meter sections or less there is only 0.2% Po, Py in the Phyllite.							
140.0	140.3 M	F/g Light Gray Siliceous Sediment to Chert							
		Bedding when preserved is at 80° to C.A. Upper and lower contacts are sharp. There isn't any qtz veining in this section and only 0.1% disseminated and stringer sulphides. This unit may correlate with a quite similar unit intersected in FBC 83-1 at 196.2-196.4 M.							

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PROPERTY Frasergold HOLE NO. FBC 83-2 Page 6

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
140.3	148.8 M	Black Knotted Phyllite -- 30% Knots						
		The knots vary in size from 3-6 mm. Foliation is well developed at 80° to C.A. This section has 87 cm of qtz (10%). The vast majority of this veining is in the interval 144.3-146.5 M. Within this 2.2 M there is very strong carbonaceous alteration.						
		At 144.3 M -- 2 cm qtz vein 70° to C.A. with 5% qtz carbonate, 5% Py, Po and 3 specks of V.G.	144.3 M V.G.					
		145.0 M -- 5 cm qtz vein 65° to C.A. and subparallel to foliation. 5 - 10% qtz carbonate, and 5% Py, Po in vein and vein selvage.						
		146.0 M -- 40 cm qtz vein 80° to C.A. 10% phyllite inclusions in vein. There is 5% qtz carbonate and minor Py and Po in vein.						
148.8	211.6 M	Interbedded Black Knotted Phyllite 10-30% Knots with short 10-50 cm Units of F/g Light to Dark Gray Siliceous Sediments.						
		Foliation is generally at 70°-90° to the C.A. In places the foliation has been folded and then crenulated. Folding is on a 1 meter scale and crenulations are on a 1 cm scale. This unit may correlate with a similar unit in FBC 83-[(196.4-220.45 M).						
		This section has a variable qtz vein system developed. 148.8 - 174.0 M -- 1.86 M of qtz veining (7.3% qtz). 174.0 - 203.3 M -- 59 cm of qtz veining (2% qtz). 203.3 - 211.6 M -- 1.10 meters of qtz veining (13.3% qtz). Within each zone veins are fairly evenly distributed, however the middle zone has sections void of qtz veining. Most of the qtz veining is parallel to or subparallel to foliation. At times foliation curves around a vein, indicating the vein has been folded. Veins have a moderate to well developed carbonaceous selvage. Elsewhere there is only a weak carbonaceous development.						
		A general statement of crenulations is: They are better developed where the foliation has been folded. Where the foliation is 70°-90° to C.A. there usually isn't any crenulations developed. However foliation can change from 70°-90° to C.A. to 10°-30° to C.A. in an interval of a few centimeters.						
		Bedding rather than foliation is preserved in the more siliceous units. Bedding is usually ≥75° to C.A.						
		Noted throughout this section is a moderate to strong sericite development associated with the qtz veining.						
		152.2 - 152.5 M -- Folded and crenulated knotted phyllite with 1 - 5 mm bands of siliceous sediment. Throughout this section the Py and Po content in the phyllite is ≤0.5%.						
		In just about all the qtz veins there is a moderate sericite development, within the veins and vein selvages. Qtz carbonate is usually present as is						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
148.4	211.6 M	Cont'd:						
		Py, Po. A few veins have trace amounts of Cpy.						
		150.75 M -- 14 cm qtz vein 60° to C.A. and parallel to foliation. 5% qtz carbonate and 2-3% Py and Po in vein.						
		150.95 M -- 11 cm qtz vein 50° to C.A. and parallel to foliation. 5-10% qtz carbonate and 2-3% Py and Po.						
		152.5 M -- 8 cm qtz vein upper contact 50° to C.A. Lower contact 80° to C.A. 10-20% qtz carbonate with minor Py and Po in vein and selvage.						
		154.9 M -- Strongly folded 1 cm qtz vein. Fold axis 70° to C.A. Abundant qtz carbonate and trace Po in vein.						
		156.0 - 156.3 M -- Light to medium gray siliceous sediment 85° to C.A.						
		157.9 M -- 25 cm of F/g dark gray siliceous sediment. Upper contact undulating out ≈ 90° to C.A.						
		159.0 M - 159.4 M -- Light gray siliceous sediment. This 40 cm section has abundant (25-40%) < 2 mm fragments? crystals? of altered feldspar? The grains have irregular outlines due to alteration. The rock is very siliceous. Lower contact is sharp at 70° to C.A. An irregular 1-2 cm qtz vein in this section cuts bedding and is at 40° to C.A. Minor qtz carbonate and Po in vein.						
		161.7 - 162.2 M -- Folding on a 30 cm scale. Fold is weakly crenulated.						
		From 160.9 - 163.75 M -- ≈30-40% of section is F/g light gray bedded siliceous sediment interbedded with the black knotted phyllite. Siliceous units are < 1 cm to 10 cm. Bedding is at 85°-90° to C.A.						
		162.6 M -- 5 cm qtz vein 70° to C.A. 5% qtz carbonate and minor Po, Py in vein.						
		165.25 M -- 10 cm qtz vein 50° to C.A. Trace qtz carbonate, Po, Py in vein. (in center of vein).						
		From 160 M there is an increase in Py and Po which occurs as blebs, stringers and folded bands in the F.P. and siliceous sediment.						
		From 160 - 191.0 M total suphide content is 1-3%.						
		166.7 - 171.4 M -- ≈30-40% F/g light gray to dark gray siliceous sediment interbedded with the knotted Phyllite. Bedding is well preserved and is 80°-90° to C.A.						
		166.1 M -- 10 cm qtz vein 70° to C.A. Trace Po , Py and 3-5% qtz carbonate in vein.						
		166.3 and 166.5 M -- Folded 1-3 cm qtz vein. These two veins are probably						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
148.8	211.6	Cont'd:						
		the same one, and is folded into and out of the core. Veins are parallel to folding and appear to cut an earlier foliation. Vein has 2-3% qtz carbonate and minor Py and Po and trace Cpy. 1 speck of light brown sphalerite and 2 specks of galena are noted. Vein has strong carbonaceous selvages.						
		169.2 M -- 4 cm qtz vein 80° to C.A. Trace qtz carbonate and Py and Po in vein.						
		171.25 M -- 6 cm qtz vein 70° to C.A. Minor Py and Po in vein.						
		171.4 - 186.9 M -- Knotted phyllite with only trace siliceous phyllite.						
		172.0 M -- 11 cm qtz vein 80° to C.A. Minor qtz carbonate and sulphides in vein.						
		172.6 M -- 30 cm qtz vein 75° to C.A. 10% Phyllite inclusions in vein. 3-5% qtz carbonate and minor Po, Py.						
		173.05 M - 7cm qtz vein irregular contact ≈80° to C.A. vein has 20% phyllite, 50% qtz carbonate and 5-7% pyrite.						
		173.5 M -- 5-10% Po and Py for a 15 cm interval.						
		173.85 M -- 10 cm qtz vein with irregular boundaries with 10-15% qtz carbonate and 5-7% Py and Po.						
		173.95 - 179.4 M -- No qtz veining.						
		179.4 M -- 15 cm qtz vein 85° to C.A. 5% qtz carbonate and 3-5% pyrite in vein. Vein is parallel to foliation.						
		176.9 - 183.25 M -- interbedded black banded phyllite and light to dark gray siliceous sediment. Bedding is well preserved at 85 -90° to C.A. Qtz veining is quite weak. The siliceous units are up to 50 cm in width.						
		182.65 M -- Several 2-5 mm qtz veins and bands of siliceous sediment tightly folded in a recumbent fold, on a 5 cm scale. 15 cm either side of fold foliation is 75°-80° to C.A.						
		183.25 - 190.4 M --Black knotted phyllite, with minor interbedded black banded phyllite and light gray siliceous sediment. Short ≤ 1 to 2 M sections are strongly carbonaceous. The phyllite still has 2-3% Po, Py as blebs and stringers parallel to foliation. The sulphide stringers are folded when the foliation is folded. At times these secondary folds are crenulated. Bedding where preserved is still ≈80° to C.A.						
		186.25 M -- 6 cm qtz vein 50°-70° to C.A. and parallel to foliation. 5% qtz carbonate and 5-7% Py and lesser Po in vein.						
		191.0 - 202.5 M -- There appears to be a decrease in the sulphide content to ≤ 1%.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
148.8	211.6 M	Cont'd:						
		189.5 M -- 3 cm qtz vein parallel to foliation at 60° to C.A. Minor Po, Py and qtz carbonate in vein.						
		190.2 M -- 2-3 cm qtz vein 90° to C.A. 20% qtz carbonate and minor sulphides in vein selvage.						
		191.1 M -- 4 cm qtz vein 80° to C.A. Trace sulphides and qtz carbonate in vein.						
		190.4 M - 202.5 M -- Black knotted phyllite, with short ≤ 10 cm sections of light gray siliceous phyllite.						
		194.75 M -- 2-5 cm qtz vein (folded ?) and parallel to foliation. 20% qtz carbonate and 2-3% Py and Po in vein.						
		194.6 M -- Folded and crenulated siliceous sediment in knotted phyllite. The siliceous sediment is usually in ≤ 1 cm wide bands.						
		202.5 - 211.6 -- Interbedded black banded phyllite with knotted phyllite and trace siliceous sediment.						
		From 202.5 - 211.6 M there is an increase in sulphide content in the phyllite to 2-3%.						
		From 203.3 M the amount of qtz veining has improved.						
		202.5 M -- 10 cm gouge zone at 70° to C.A. and parallel to foliation.						
		From 202.5 M to 211.6 M the phyllite is strongly carbonaceous.						
		203.3 M -- 10-20 cm qtz vein folded. Vein has 20-30% qtz carbonate and 10-15% Po and Py.						
		204.6 - 205.8 M -- One or more qtz veins folded and down C.A. It is possible it is one vein folded into and out of the core. There is strong carbonaceous development adjacent to the vein. 70 cm of the 1.2 M is qtz. The remainder is phyllite. Vein has 10-20% qtz carbonate mainly in selvage. Vein has 5-10% Po, Py. There is also strong sericite development in vein.						
		206.0 - 206.3 M -- Broken core ≅ 90% recovery.						
		211.2 M -- 3 cm gouge. Strongly carbonaceous and adjacent to a quartz vein.	148.8 - 211.6 M up to 2-3% Py & Po in Phyllite.					
		208.25 M - 12 cm qtz vein 60° to core axis and parallel to foliation. 5-10% qtz carbonate and 5% Py and Po in vein.						
		208.9 M -- Irregular 3 cm-6 cm qtz vein 50° to C.A. and parallel to foliation. Vein has 20-25% phyllite inclusions, 30-40% qtz carbonate, 25% Po with lesser Py and 1 speck of V.G.	208.9 M V.G.					

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
148.4	211.6 M	Cont'd:						
		209.6 and 209.75 M -- A 10 cm and 12 cm qtz vein respectively. Both parallel to foliation. 3-5% qtz carbonate and 5% Po and Py in vein. Strong carbonaceous alteration between veins.						
211.6	217.7 M	Black Knotted Phyllite -- 5-15% Knots						
		Knots are generally vary in size from < 2 mm to 6 mm. Most are oval to lens like. Foliation is moderate to strong and at 70°-90° to C.A. Knots are parallel to foliation. This short section has only weak qtz veining developed.						
		214.5 M -- 9 cm qtz vein 80° to C.A. and parallel to foliation. 10% qtz carbonate and no sulphides in vein. < 2% Po, Py in section.						
		215.1 M -- 4-5 mm band of Py and Po with minor qtz 80° to C.A.						
217.7	268.8 M	F/g Black Banded Phyllite Interbedded with Black Carbonaceous Phyllite, Minor Knotted Phyllite and Siliceous Sediment.						
		The Po, Py content in the Phyllite is generally 3-5% throughout. Sulphides mainly occur as blebs and stringers parallel to foliation. Qtz veining is well developed in two intervals, elsewhere it is weakly developed.						
		217.7 - 224.6 M -- 1.35 mg qtz (19.6%) 6.9 M 224.6 - 231.3 M -- 0.11 mg qtz (1.6%) 6.7 M 231.3 - 241.5 M -- 1.40 mg qtz (13.7%) 10.2 M 241.5 - 253.6 M -- 0.17 mg qtz (1.4%) 12.1 M 253.6 - 256.2 M -- 0.39 mg qtz (15%) 2.6 M 256.2 - 261.9 M -- 0.02 mg qtz (0.4%) 5.7 M 261.9 - 268.8 M -- 1.40 mg qtz (20.3%) 6.9 M						
		219.25 M -- 35 cm qtz vein 75° to C.A. 5% qtz carbonate and 3-7% Po and Py.						
		219.9 M -- 20 cm qtz vein 80° to C.A. Minor qtz carbonate and Po, Py and 5% phyllite fragments and 2-3% chlorite in vein.						
		From 217.7 - 229.7 M mainly black banded phyllite with moderate to strong carbonaceous development. Adjacent to many of the qtz veining there is strong carbonaceous development. Good sericite development is noted in many of the qtz veins.						
		222.3 M - 15 cm qtz vein 80° to C.A. Minor Po, Py and qtz carbonate in vein. 3-5% pale green chlorite is also present.						
		225.3 - 227.35 M -- weakly developed knotted phyllite. ≈ 5% knots.						
		224.35 M -- 17 cm qtz vein. Irregular contacts ≈75° to C.A. and parallel to foliation. 5% qtz carbonate and 2-3% Po, Py, mainly adjacent to upper selvage.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
217.7	268.8 M	Cont'd:						
		There is very little folding and crenulations developed in the black banded phyllite above (217.7 - 229.7 M).						
		229.7 - 233.2 M -- Black banded Phyllite with 3-5% Po, Py. The foliation is becoming weakly crenulated and for short 10-50 cm intervals, foliation may be at a low angle to the C.A.						
		232.0 M -- 10 cm unit of light gray siliceous sediment. Unit has 20-30% qtz knots, probably formed from boudinaged qtz veins. Unit has a 5 mm qtz vein which appears to cut bedding. Vein terminates at end of unit. This termination is probably caused by a minor shear.						
		233.2 - 234.0 M -- Light gray siliceous sediment. Unit is bedded at 85° to C.A. There is abundant qtz veining in this 80 cm unit. Veins are all < 1 cm in width and cuts bedding. Foliation is not well developed. The veins have upto 5 - 20% Py associated. The siliceous sediment appears to be close to chert.						
		234.0 - 268.8 M -- Black banded to black carbonaceous phyllite with minor interbedded knotted phyllite and short units of siliceous sediment. Foliation is well developed and is generally 60°-80° to C.A. However, adjacent to some of the qtz veining foliation is strongly deformed.						
		236.8 M -- 10-15 cm qtz vein irregular contact but 5% 45° to C.A. 5-10% qtz carb and 3-5% Py and Po in vein.						
		237.4 M -- 4 cm qtz vein 75° to C.A. Vein has 10-20% qtz carbonate 5-10% Po and trace Py and 6-7 specks of V.G.	237.4 M V.G.					
		237.55 M -- 4-10 cm qtz vein 5° to C.A. and parallel to foliation. 5-10% qtz carbonate and 5% Po, Py and 5-6 specks of V.G.	237.55 M V.G.					
		238.1 M -- 10-15 cm qtz vein 30° to C.A. and parallel to foliation. 3-5% qtz carbonate and 2-3% pyrite in vein.						
		238.6 M -- 10 cm qtz vein 70° to C.A. 20% qtz carbonate and 5-10% Po, Py in vein.						
		241.7 M - 242.0 M -- Broken core.						
		240.85 M -- 6 cm qtz vein 70° to C.A. Minor Po, Py and qtz carbonate in vein. 10-15% F/g light green chlorite in vein.						
		244.85 M -- Folded 1 cm qtz vein cutting foliation. Fold axis 70° to C.A. Minor Po, Py and qtz carbonate in vein.						
		248.0 M -- 2.5 cm qtz vein 70° to C.A. Vein cuts foliation which is at 80° to C.A. 50-70% of vein is qtz carbonate and 10-20% Po and trace Py.						
		250.6 M -- Several irregular 2-5 mm qtz veins at 90° to C.A. Veins are						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
217.7	268.8 M	Cont'd :						
		folded and may cross cut foliation. There is abundant qtz carbonate and pyrite in veins.						
		Foliation is well developed in this section and generally 70-90° to C.A. Occasionally foliation is as low as 50° to C.A.						
		234.0 - 239.3 M -- ≈ 3-5% Po and Py.						
		239.3 - 251.8 M -- ≈ 1-1.5% Po, Py.						
		251.8 - 255.3 M -- ≈ 3-5% Po, Py.						
		255.3 - 258.8 M -- ≈ 1-2% Po, Py.						
		253.6 M -- 7 cm qtz vein 70° to C.A. Lower contact. Upper contact is 45° to C.A. Vein is parallel to foliation. Vein has minor Po, Py and qtz carbonate.						
		254.2 M -- 1 cm qtz vein 60° to C.A. Vein cuts foliation which is at 80° to C.A. Vein has 40-50% Po, Py and 20% qtz carbonate.						
		254.5 M -- 25 cm qtz vein 75-80° to C.A. 25% of vein is phyllite inclusions. Vein has 5-10% qtz carbonate and ≈ 5-7% Po, Py.						
		256.1 M -- 10-15 cm qtz vein 50° to C.A. and parallel to foliation. Vein has minor Po, Py and qtz carbonate.						
		Below 254.3 M there are < 1 cm to 10 cm bands of light gray to black bands of siliceous sediment. Bedding is generally 80°-90° to C.A.						
		Minor folding on a 20-100 cm scale is present. This causes foliation to vary to 0° to C.A. Generally foliation is 70-90° to C.A. These folds are then crenulated on a 1-2 cm scale.						
		Lower contact of section is a zone of alternating bands of siliceous sediment and black phyllite. A contact is located where siliceous sediment predominates.						
		The black phyllite has 2-5% Po, Py as blebs and stringers. Less than 1% sulphides appear to be associated with the siliceous sediment.						
		257.75 - 261.9 M -- there is only one qtz vein. Vein is a 2 cm qtz vein at 90° to C.A. and located at 259.25 M. Vein has 5% qtz carbonate and 2-3% Po, Py.						
		261.05 -- 9 cm qtz vein 85° to C.A. 10-15% to foliation. Vein has 20% phyllite inclusions, 5-7% qtz carbonate and 5-10% light green chlorite? and 2-3% Po, Py.						
		261.95 M -- 11 cm qtz vein 80° to C.A. and parallel to foliation. 5-10% qtz carbonate and 3-5% Py and Po. A pyrite crystal in a vug is noted in the vein.	217.7 - 268.8 M 1 - 5% Po, Py					

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
217.7	268.8 M	Cont'd:						
		264.0 M -- Folded 5-10 cm qtz vein. Vein has 3-5% qtz carbonate and 5-7% Po, Py.						
		264.85 M -- 4 cm qtz vein ≈70° to C.A. 5-7% qtz carbonate and 2-3% Py, Po in vein. Several pale brown blebs of qtz carbonate are noted. One crystal of mineral in a vug looks like dolomite.						
		265.15 M -- 14 cm qtz vein 80° to C.A. and parallel to foliation. Minor qtz carbonate and 2-3% Po, Py in vein. Mainly in vein selvage.						
		266.55 M -- 5-10 cm folded qtz vein. Minor Po, Py and qtz carbonate in vein.						
		268.6 M -- Folded 5-10 cm qtz vein with 20% qtz carbonate and 5-10% Po, Py.						
268.8	286.95 M	F/g Light to Medium Gray Siliceous Sediment.						
		Bedding in this section is ≈80° to C.A. Much of this section has folding on a 20-100 cm scale with 1 cm crenulations developed on the folds. Minor interbedded black phyllite is interbedded. Fold axis of minor folds is generally 75°-90° to C.A.						
		268.8 - 286.95 M -- 96 cm of qtz veining (5.3% qtz). 1-3% Py and Trace Po.						
		276.6 - 277.7 M -- Black weakly knotted phyllite. Knots are up to 1.5 cm and are poorly formed. There is a slightly higher Po, Py content in the knotted phyllite than in the siliceous sediment. The majority of the sulphides are Py. Only minor Po is noted.						
		275.7 M -- 22 cm qtz vein 75° to C.A. with 5% qtz carbonate and tr Po, Py.						
		277.3 M -- 12 cm qtz vein 80° to C.A. Minor qtz carbonate and Po, Py in vein.						
		From 277.5 - 281.5 M -- Foliation is strongly crenulated.						
		Lower contact at 286.95 is at 50° to C.A. Bedding has been folded. 10 cm above contact bedding is at 80° to C.A.						
		282.5 - 283.5 M -- Good example of folding and crenulations developed on a fold. Fold is on a 60-70 cm scale and crenulations on a 1 cm scale.						
286.95	322.2 M	Interbedded Black Banded Phyllite, Black Phyllite and F/g Light to Dark Gray Siliceous Sediment.						
		290.9 - 291.7 M - Siliceous Sediment 80° to C.A. Elsewhere the siliceous sediment occurs in ≤ 10 cm bands in the phyllite.	286.95 - 322.2 M					
		286.95 - 292.6 M -- only one large qtz vein which is located at 289.7 M, and several ≤ 1 cm qtz veins.	2-3% Py.					
		291.8 - 292.6 M -- Calcite is noted as a crystal growth on a few fractures.						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Fraserqold HOLE NO. 83-2 Page 14

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
286.95	322.2 M	Cont'd:						
		292.6 - 322.2 M -- 70 cm of qtz veining (2.4% qtz)						
		The black phyllite has only pyrite. Much of which occurs as 1-3 mm cubes to 303 M. Below 303 M it occurs as blebs.						
		289.7 M -- 23 cm qtz vein 80° to C.A. Upper contact cuts foliation. L.C. parallel to foliation. Smokey qtz in vein and only Trace Po.						
		This unit has generally weak carbonaceous development except adjacent to some of the qtz veins.						
		From 296.8 - 322.2 M the phyllite has F/g disseminated $CaCO_3$. Rock effervesces strongly in cold HCl. This rock was not noted in FBC 83-1.						
		The crenulated and siliceous sediment occuring at 268.8 - 286.6 M may be correlated with the last few meters of FBC 83-1.						
		Most of the qtz veins from 292.5 - 322.2 M have only trace Py and usually no qtz carbonate. Most veins are ≤ 3 cm in width and many are irregular shaped due to folding.						
		Banding in the phyllite is 70-90° to C.A. and may be bedding. Foliation is parallel to subparallel to bedding.						
		308.4 M -- 40 cm qtz vein @ 30° to C.A. Vein has 30-40% phyllite inclusions. There isn't any sulphides in vein.						
		305.2 M -- 50 cm of phyllite with 5-7% pyrite.						
		309.2 M -- qtz vein at 65° to C.A. cuts foliation which is 80° to C.A. Vein has 20-30% calcite as white irregular patches.						
		317.25 M -- 5 cm qtz vein 85° to C.A. Vein is barren and has abundant calcite.						
		309 - 310 M -- 60% dark gray siliceous looking sediment. However unit effervesces with HCl.						
		In the last 20 M the phyllite is strongly broken. Fractures are generally parallel to foliation. A few are 70-90° to foliation. There are abundant ≤ 1-3 mm calcite filled cross cutting fractures. All are void of sulphides. These calcite veinlets form a weak stockwork. This indicates some form of fracturing of the rocks occurred.						
	322.2	E.O.H.						

Paul Bryan

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY	FRASERGOLD	LATITUDE	L57+04E
HOLE NO.	FBC 83-3	DEPARTURE	3+17S
BEARING	Az 045°	ELEVATION	5100 ft (1554.5 M)
DIP-COLLAR	-51°	SECTION	

STARTED	October 12th, 1983		
FINISHED	October 17th, 1983		
LENGTH	1066' (324.9M)		
LOGGED BY	P. Brown		

DIP TEST

Footage	Corrected	Footage	Corrected	Footage	Corrected
61.0 M	-50°	243.8	-49°		
121.9 M	-49°	304.8 M	-48°		
182.9 M	-49°				

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization
0	3.0 M	Casing	
3.0	51.5 M	Black Knotted Phyllite 10-30% Knots	
		Knots vary in size from < 3mm to 8mm. Foliation is well developed at 80° to 90° to C.A. Lower contact of the K.P. is in a qtz vein. Down to 12.3 M ≈ 50-60% of the knots are strongly limonitic. Limonite is also well developed along fractures and in qtz veins. These bands of sulphide in the K.P. are also limonitic.	
		Core recovery down to 13.7 M is poor. In the first 10.7 M, 3.60 M of the core was lost. Actual location of core loss is given under RQD.	
		Moderate to strong carbonaceous alteration is noted adjacent to most of the qtz veins. Many of the qtz veins are broken with only partial recovery.	
		3.0 M -- at least a 60 cm qtz vein with 2-4% chlorite and moderate to strong limonite developement. Vein has good (10-15%) carbonate associated. Vein is vuggy.	
		8.2 M -- Broken qtz vein for at least 60 cm. Vein has minor qtz carbonate and chlorite. Vein is sericitic, vuggy and moderately limonitic.	
		10.4 - 11.0 M -- white qtz vein. UC and LC in broken core. Minor qtz carbonate and limonite in vein selvage. Center portion of vein is barren.	
		13.4 - 13.7 M -- Broken vuggy qtz vein with 5-7% qtz carbonate and 2-3% Py.	
		14.0 M -- Broken 12 cm qtz vein with 5-7% qtz carbonate, mainly in vein at selvage. Minor Py is also present in this vein.	
		11.2 M -- 5 mm qtz vein with an "S" fold. Vein is vuggy.	
		The knotted phyllite doesn't appear to have any secondary folding, except as noted at 11.2 M. This folding is on a 5 cm scale.	
		Most of the fractures are parallel to foliation. Fractures vary from rough to smooth. Many are slippery with a "graphite" coating.	

SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)			ASSAYS RQD	
W1923	3.0	4.5		.001			1.0 M ground	
24	4.5	6.0		.002			19	
25	6.0	7.5		.001	80 cm	ground	7.5 - 9.0 M	
26	7.5	9.0		.010			18	
27	9.0	10.5		.002	80 cm	ground	9.0 - 10.5 M	
28	10.5	12		.003			13	
29	12	13.5		.001	1.0 M	ground(80 cm)	12-13.5	
W1930	13.5	15		.003			21	
31	15	16.5		.008				
32	16.5	18		.004			66	
33	18	19.5		.003				
34	19.5	21		.002			98	
35	21	22.5		.003				
36	22.5	24		.001			93	
37	24	25.5		.002				
38	25.5	27		.001			92	
39	27	28.5		.003				
W1940	28.5	30		.011			97	
41	30	31.5		.005				
42	31.5	33		.039			88	
43	33	34.5		.004				
44	34.5	36		.005			74	
45	36	37.5		.001				
46	37.5	39		.003			77	
47	39	40.5		.001				
48	40.5	42		.075			59	
49	42	43.5		.005	20 cm	ground	45-46.5 M	
W1950	43.5	45		.006			86	
51	45	46.5		.005				
52	46.5	48		.002			55	
53	48	49.5		.002				
54	49.5	51		.010			79	
55	51	52.5		.004				
56	52.5	54		.006			91	
57	54	55.5		.004	20 cm	ground	54-55.5 M	
58	55.5	57		.001			50	
59	57	58.5		.002				
W1960	58.5	60		.003			75	

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY: Frasergold HOLE NO. 83-3 Page 2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization
3.0	51.5 M	Cont'd:	
		From 15.1 - 29.45 M -- Trace qtz veining. The phyllite has only moderate carbonaceous development. Over short 1-30 cm intervals it may be strong.	
		24.75 M -- 14 cm qtz vein 75° to C.A. and subparallel to foliation. 2-3% qtz carbonate and no sulphides in vein.	
		Down to 26 M there are a few fractures with 0.5 cm selvages with limonite staining of knots.	
		29.45 - 51.5 M -- 3.5 meters of qtz veining (15.9%). The majority of the qtz veins are parallel to or subparallel to the foliation, which is at 80° to 90° to C.A. Foliation at times appears to rap around qtz veins and can vary to 0° to C.A. Some of the qtz veins cut foliation at an angle of > 20°. Bedding is not well preserved, however it is probably subparallel to foliation.	
		29.0 M -- Po is first noted in a qtz vein.	
		At 31.1 M -- 1.5 cm band of light gray siliceous sediment at 85° to C.A.	
		29.45 M -- 1 cm qtz vein 50° to C.A. with 10-20% Po, Py and trace CPY. Vein is cut and offset by a 4 cm qtz vein.	
		30.2 M -- Irregular 3 cm by 10 cm carbonate rich vein, down C.A. for 10 cm.	
		30.5 M -- 15 cm qtz vein 75° to C.A. 10-15% qtz carbonate in vein and minor sulphide.	
		31.9 M -- Folded 2 cm qtz vein with 5% qtz carbonate and trace Po, Py.	
		Po is first noted in the Phyllite at 31.0 M.	
		From 31.8 - 33.7 M moderate folding of the phyllite with weak crenulations. This section has minor interbedded black phyllite.	
		33.75 M -- 45 cm qtz vein 70° to C.A. and subparallel to foliation. Vein has 5% qtz carbonate and 2-3% Po, Py and is restricted to selvage in vein.	
		34.4 M -- 20 cm of F/g Black Phyllite.	
		34.6 - 34.8 M -- Strongly folded qtz vein and phyllite.	
		34.9 M -- 5 cm qtz vein 80° to C.A. and parallel to foliation. Minor qtz carbonate and Po, Py in vein.	
		36.0 - 37.25 M -- Foliation 0° - 40° to C.A.	
		36.7 - 37.2 M -- Irregular 2-5 cm qtz vein folded down C.A. Vein has 3-5% qtz carbonate and trace Po, Py. There is strong carbonaceous development in the phyllite adjacent to the vein.	
		39.33 M -- 9 cm qtz vein 85° to C.A. and parallel to foliation. 5-10%	

SAMPLE NO.	FOOTAGE From	FOOTAGE To	Length	ASSAYS Au(oz/t)			RQD
W1961	60.	61.5		.003			
62	61.5	63		.004			89
63	63	64.5		.004			
64	64.5	66		.003			71
65	66	67.5		.004			
66	67.5	69		.001			72
67	69	70.5		.004			
68	70.5	72		.003			95
69	72	73.5		.002			
W1970	73.5	75		.003			90
71	75	76.5		.001			
72	76.5	78		.002			60
73	78	79.5		.005			
74	79.5	81		.002			55
75	81	82.5		.003			
76	82.5	84		.004			75
77	84	85.5		.008			
78	85.5	87		.002			67
79	87	88.5		.003			
W1980	89.5	90		.002			67
81	90	91.5		.004			
82	91.5	93		.002			63
83	93	94.5		.005			
84	94.5	96		.003			40
85	96	97.5		.007			
86	97.5	99		.012			71
87	99	100.5		.001			
88	100.5	102		.012			81
89	102	103.5		.003			
W1990	103.5	105		.001			38
91	105	106.5		.002			
92	106.5	108		.002			75
93	108	109.5		.003			
94	109.5	111		.008			77
95	111	112.5		.002			
96	112.5	114		.003			82
97	114	115.5		.004			
98	115.5	117		.005			100
99	117	118.5		.004			
W2000	118.5	120		.004			52
W3001	120	121.5		.023			
02	121.5	123		.036			54
03	123	124.5		.034			
04	124.5	126		.007			60
05	126	127.5		.003			
06	127.5	129		.001			95
07	129	130.5		.001			
08	130.5	132		.002			97
09	132	133.5		.001			
W3010	133.5	135		.008			97
11	135	136.5		.001			
12	136.5	138		.009			97

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD — PROPERTY Fraserogld — HOLE NO. 83-3 — Page 3

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)			ASSAYS R00
3.0	51.5 M	Cont'd:		W3013	138	139.5		.004			
				14	139.5	141		.001			89
		qtz carbonate, minor Po, Py and 2-3% pale green chlorite in vein.		15	141	142.5		.001			
				16	142.5	144		.013			60
		45.1 - 45.9 M -- Broken qtz vein 70° to C.A. Vein has 3-5% qtz carbonate		17	144	145.5		.017			
		and minor Py & Po. Several hairline streaks of V.G. at 41.45 M. Several	V.G. 41.5 M.	18	145.5	147		.002			36
		specks (4-6) of V.G. at 41.55 M.		19	147	148.5		.009			
				W3020	148.5	150		.007			86
		42.6 M -- 15 cm qtz vein 70° to C.A. Vein has 10% qtz carbonate and minor	3.0 - 51.5 M	21	150	151.5		.002			
		Po, Py.	≈ 0.2-0.3% Po, Py	22	151.5	153		.001			85
			in the Phyllite.	23	153	154.5		.007			
		44.5 M -- 15 cm of re-cored core.		24	154.5	156		.002			97
				25	156	157.5		.003			
		45.3 - 46.1 M -- qtz vein down C.A. to 45° to C.A. Vein is folded. 3-5%		26	157.5	159		.001			100
		qtz carbonate with Po and Tr Py in vein. Phyllite adjacent to vein is		27	159	160.5		.001			
		strongly carbonaceous.		28	160.5	162		.001			57
				29	162	163.5		.001			
		49.5 M -- 50 cm qtz vein with 30% phyllite inclusions. 5-10% qtz carbonate		W3030	163.5	165		.028			98
		and minor Py, Po. Vein is at 65° to C.A.		31	165	166.5		.001			
				32	166.5	168		.001			87
		50.4 M -- 30 cm qtz vein with irregular contacts, but subparallel to folia-		33	168	169.5		.002			
		tion. 5% qtz carbonate and 2-4% Po, Py and trace sphalerite in vein, mainly		34	169.5	171		.003			86
		in vein at selvage.		35	171	172.5		.002			
				36	172.5	174		.003			80
		50.2 M -- 20 cm qtz vein 50° to C.A. Minor qtz carbonate and trace Po, Py		37	174	175.5		.002			
		in vein.		38	175.5	177		.003			88
				39	177	178.5		.001			
		Noted in many of the qtz veins to 51.5 M is strong sericite development.		W3040	178.5	180		.001			97
				41	180	181.5		.002			
51.5	66.0 M	F/g Light Gray Siliceous Sediment		42	181.5	183		.001			65
				43	183	184.5		.008			
		Upper contact is in a qtz vein. Lower contact is sharp at 85°-90° to C.A.		44	184.5	186		.001			93
		Within this section of siliceous sediment are short sections of knotted		45	186	187.5		.003			
		phyllite interbedded. Much of this siliceous sediment is close to chert in		46	187.5	189		.005			92
		composition, as at 55.3-56.2 M. Short sections of this siliceous sediment		47	189	190.5		.010			
		appear to be sericitic.		48	190.5	192		.036			100
				49	192	193.5		.020			
		53.25 - 53.9 M -- Dark Gray to Black Phyllite, strongly siliceous.		W3050	193.5	195		.009			97
				51	195	196.5		.010			
		56.2 - 57.0 M -- Mixed phyllite and siliceous sediment. Folding is present		52	196.5	198		.001			95
		but weak. An example of folding is at 57.8 M where bedding changes from		53	198	199.5		.001			
		60° - 0° to C.A. The bedding in the siliceous sediment is exemplified by		54	199.5	201		.002			100
		thin often < 2 mm wide bands of black phyllite interbedded with the sili-		55	201	202.5		.001			
		ceous sediment.		56	202.5	204		.012			97
				57	204	205.5		.001			
		From 51.5 - 66.0 M -- 92 cm of qtz veining (6.3%). The majority of which		58	205.5	207		.001			100
		occurs in two veins.		59	207	208.5		.001			
				W3060	208.5	210		.003			100
		52.9 M -- 37 cm qtz vein 75° to C.A. (i.c.) Vein may be folded. Vein has		61	210	211.5		.001			
		30% siliceous sediment inclusions. Minor qtz carbonate and trace Po, Py		62	211.5	213		.009			100
		in vein.		63	213	214.5		.001			
				64	214.5	216		.004			97

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)		ASSAYS
51.6	66.0 M	Cont'd:		W3065	216	217.5		.008		800
				66	217.5	219		.009		52
		53.35 M -- 10 cm qtz vein 70° to C.A. 3-5% qtz carbonate and trace Po, Py in vein at selvage.		67	219	220.5		019		
				68	220.5	222		.009		62
		53.7 M -- 2-3 cm qtz vein 5° to C.A. and cutting bedding. Vein has 5% qtz carbonate and trace Py.		69	222	223.5		.010		
				W3070	223.5	225		.008		100
		53.9 M vein at 53.7 M terminates a 1 cm qtz vein at 80° C.A. Vein has 2-3% qtz carbonate, trace dolomite, trace Cpy and 3-5% Py and 1-2% sphalerite.		71	225	226.5		.005		
				72	226.5	228		.002		90
				73	228	229.5		.001		
				74	229.5	231		001		46
		54.5 M -- Irregular 25 cm qtz vein with 10% qtz carbonate and tr Py.		75	231	232.5		.001		80 cm grou
				76	232.5	234		.001		27
				77	234	235.5		.001		
		At 54.75 M -- 20 cm of broken core and 20 cm ground.		78	235.5	237		.001		69
				79	237	238.5		001		
		58.4 M -- An excellent example of a vein cross cutting bedding and then being cut by a younger vein.		W3080	238.5	240		.001		52
				81	240	241.5		.002		
				82	241.5	243		.002		51
		A 2 cm qtz vein 0° to C.A. for 55 cm. Vein has minor offset along fractures.		83	243	244.5		.001		
		Vein has a selvage of qtz carbonate with trace Py, Po. Stronger Py, Po is present at lower termination of vein 58.95 M. Vein is cut at 58.65 M by		84	244.5	246		.001		58
		a 1 cm vein which is at 40° to C.A. This vein is barren. Both veins cut		85	246	247.5		.002		
		bedding.		86	247.5	249		.001		78
				87	249	250.5		.001		
				88	250.5	252		.001		50
		58.65 - 59.75--Knotted phyllite interbedded with siliceous sediment.		89	252	253.5		.001		
				W3090	253.5	255		.001		44
		From 61.3 - 66.0 M -- Interbedded K.P. and siliceous sediment.		91	255	256.5		.001		
				92	256.5	258		.001		55
		From 58.95 - 66.0 M only trace qtz veining.		93	258	259.5		.001		
				94	259.5	261		.014		73
		From 63.1 - 66.0 M < 2 mm-5 mm cross cutting qtz veins. There are at least		95	261	262.5		.001		
		2 ages of qtz veining. All are barren. Veins cut bedding. Veins are at		96	262.5	264		.001		67
		45° to C.A. and cut another set at 70 - 90°.		97	264	265.5		.002		
				98	265.5	267		.001		68
		The siliceous sediment has trace Py at best.		99	267	268.5		.001		
				W3100	268.5	270		.003		52
		64.8 M -- 5 cm qtz vein 70° to C.A. and subparallel to bedding vein has		01	270	271.5		.001		
		5-10% qtz carbonate and trace pyrite.		02	271.5	273		.001		44
				03	273	274.5		.001		
		51.5 - 66.0 M -- Trace Py with minor Po in the qtz veins with qtz carbonate		04	274.5	276		.001		44
		and pyrite.		05	276	277.5		.001		
				06	277.5	279		.001		76
66.0	150.7 M	Black Knotted Phyllite (20-30%Knots) with Short Units of Siliceous Sediment		07	279	280.5		.001		60 cm gro
		Interbedded		08	280.5	282		.001		26
				09	282	283.5		.001		
		The Knotted Phyllite is only weakly carbonaceous except adjacent to some of		W3110	283.5	285		.001		72
		the qtz veins, where the phyllite is strongly carbonaceous.		11	285	286.5		.001		
				12	286.5	288		.001		80
		66.0 - 74 M -- 64 cm of qtz veining (8%)		13	288	289.5		.001		
		74.0 - 84.3 M -- 20 cm of qtz veining (1.9%)		14	289.5	291		.001		46
		84.3 - 91.5 M -- 87 cm of qtz veining (12.1%)		15	291	292.5		.007		
				16	292.5	294		.013		63

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD — PROPERTY Frasergold — HOLE NO. 83-3 — Page 5

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Au(oz/t)			RQD
66.6	150.7 M	Cont'd:		W3117	294	295.5		.009			
				18	295.5	297		.007			69
		Foliation is well developed in the K.P. and is usually 80-90° to C.A. Knots		19	297	298.5		.011			
		are 3-7 mm in size and oval to lens like in shape. Many of the veins are		W3120	298.5	300		.002			55
		parallel to or subparallel to foliation. A few cross cut foliation.		21	300	301.5		.001	301.5-303 M - 30 cm ground		
				22	301.5	303		.001			22
		Veins vary in size from < 1 cm to 15 cm. Many of the veins have sericite		23	303	304.5		.001	303-304.5 M - 30 cm ground		
		associated. The phyllite still has only 0.1-0.3% Po and Py.		24	304.5	306		.001			52
				25	306	307.5		.001	307.5-309 M - 30 cm ground		
		68.1 M -- 18 cm qtz vein 75° to C.A. Vein has 5-10% qtz carbonate and trace		26	307.5	309		.001			27
		Po, Py in vein. Vein is parallel to foliation.		27	309	310.5		.001			
				28	310.5	312		.001			15
		68.3 M -- Irregular 5-10 cm qtz vein 25° to C.A. and subparallel to foliation.		29	312	313.5		.001			
		Vein appears to be folded. Minor qtz carbonate, Po and Py in vein.		W3130	314.5	315		.001			73
				31	315	316.5		.001			35 cm ground
		70.0 M -- 10 cm qtz vein 45° to C.A. and parallel to foliation. Vein has		32	316.5	318		.003			28
		3 cm inclusion of phyllite. Vein has good qtz carbonate in vein at selvage		33	318	319.5		.010	318.0-319.5 M - 60 cm grou		
		and trace Po, Py.		34	319.5	321		.001			26
				35	321	322.5		.001			
		70.3 M -- 4 cm qtz vein 80° to C.A., and parallel to foliation. Trace Po,		36	322.5	324		.001			34
		py and qtz carbonate in vein.		W3137	324	324.9		.003	27 cm ground		40
		72.9 M -- 7 cm qtz vein 80° to C.A. and parallel to foliation. Vein has 20%									
		qtz carbonate in vein at selvage and minor Po, Py.									
		73.75 M -- 9 cm qtz vein 70° to C.A. and parallel to foliation. Vein has									
		5% qtz carbonate and trace Po, Py.									
		73.85 M -- Irregular 5-10 cm qtz vein 5-45° to C.A. 5-10% qtz carbonate and									
		3-5% Po, Py in vein at selvage.									
		77.1 - 78.9 M -- Fractures are irregular and rough and down the C.A.									
		74.6 - 75.1 M -- several 3-10 mm bands of light gray siliceous sediment									
		interbedded with the K.P.									
		79.5 - 83.1 M -- About 20% of the core is siliceous sediment occurring as									
		< 1-5 mm bands at 75-90° to C.A.									
		74.5 - 75.3 M -- Seven subparallel 1-2 cm qtz veins ≈ 70-90° to C.A. and									
		parallel to foliation. Veins have minor qtz carbonate and 5-7% Po, Py.									
		These veins appear to have more sulphides than the veins above.									
		75.3 - 84.3 M -- No qtz veining.									
		84.3 M -- 19 cm qtz vein 85° to C.A. Minor Po, Py and qtz carbonate in									
		vein.									
		84.7 -- 7 cm qtz vein 80° to C.A. 5% qtz carbonate and 2-3% Po, Py in vein.									
		85.8 M -- 5-6 cm qtz vein 75° to C.A. and parallel to foliation. 3-5%									
		qtz carbonate and trace Po, Py in vein.									

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
66.0	150.7 M	Cont'd:						
		86.2 M -- 10 cm qtz vein 80° to C.A. Lower contact is 50° to C.A. Vein has trace qtz carbonate.						
		86.75 - 87.0 M -- 16 cm of qtz veining. All about 70° to C.A. and parallel to foliation. Veins have 5-10% qtz carbonate and minor Po, Py. Veins have minor bright green actinolite? or chlorite.						
		90.7 M -- 70 cm of irregular qtz veining. Veins trend down C.A. Angled to C.A. 0°-90° veins have 30% qtz carbonate and 3-5% Po, Py. Phyllite selvages to veins are strongly carbonaceous.						
		91.5 - 96.7 M -- 68 cm of qtz veining (13.1% qtz) 96.7 - 121.1 M -- 25 cm of qtz veining (1.0% qtz) 121.1 - 122.1 M -- 30 cm of qtz veining (30% qtz) 122.1 - 150.7 M -- 50 cm of qtz veining (1.7% qtz)						
		91.5 - 92.1 M -- 20 cm of qtz in 8 qtz veins. All are about 70° to C.A. and parallel to foliation. Veins have 10-20% qtz carbonate and 5-10% Po, Py.						
		Throughout this section there is still only trace sulphides in the knotted phyllite.						
		92.25 M -- 3 cm qtz vein 65° to C.A. with 5% qtz carbonate and trace Po, Py.						
		95.25 M -- 22 cm qtz vein 45° to C.A. and parallel to foliation. 10% phyllite fragments, 10-15% qtz carbonate and 3-5% Po, Py in vein.						
		97.9 M -- 2 cm qtz vein 45° to C.A. and cuts bedding which is at 60° to C.A. Vein has trace Po, Py and qtz carbonate.						
		98.1 M -- Irregular 5-10 cm qtz vein. Vein is probably folded. There is 2-3% qtz carbonate and minor Po, Py in vein.						
		98.5 M -- Irregular 5-10 cm qtz vein. Folded. Vein has 20% qtz carbonate and 15-30% Po, Py.						
		101.0 M -- 1-3 cm qtz vein at 80° to C.A. Vein cuts foliation which is at 70° to C.A. Minor qtz carbonate and sulphides in vein.						
		97.8 - 98.0 M -- Two 5 mm bands of siliceous sediment interbedded with the K.P. Bedding is ≤≥ 60° to C.A. (Lower contact of lower unit).						
		101.0 - 109.2 M -- No qtz veining.						
		109.2 - 109.4 M -- 10 cm of qtz veining. All veins are subparallel to each other and 70°-90° to C.A. Veins have minor qtz carbonate Po and Py. Veins are weakly boudinaged. Also present are 2-3 cm of irregularly shaped carbonate rich veins, with Po, Py. The carbonate veins are folded and maybe older than the qtz veining.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
66.0	150.7	Cont'd:						
		113.5 - 114.5 M -- Thin <1 to 5 mm bands of siliceous sediment interbedded with the knotted phyllite. Bedding is ≈ 90° to C.A. Foliation is ≈80° to C.A. The K.P. has about 15% knots.						
		116.65 M -- Folded 5-7 cm qtz vein with 5-10% qtz carbonate and 2-3% Po, Py. Silica occurs as a pervasive? selvage to vein for 18 cm below vein. It could be that original rock was strongly siliceous.						
		Noted associated with many of the qtz veins is sericite, occurring in the vein and at vein selvage.						
		117.3 M -- 6 cm qtz vein 80° to C.A. Vein has 5-10% qtz carbonate and 3-5% Po, Py mainly in vein at selvage. 1 speck of cpy is also noted.						
		To 120.1 M still only trace Po, Py in the K.P. There is only weak carbonaceous development in the K.P. to 120.1 M except adjacent to qtz veining.						
		121.1 - 124.4 M mixed interbedded K.P. Dark gray to gray brown siliceous sediment to black phyllite. Carbonaceous development is moderate to strong. There is 2-3% Po, Py as irregular stringers and as disseminations in the phyllite.						
		121.4 M -- 40 cm of gray brown siliceous sediment. Lower contact 50° to C.A.						
		122.1 - 122.65 M -- Irregular qtz vein or qtz veins. Upper contact 35° to C.A. Veins vary from 90° to 0° to C.A. There is about 60% of section which is qtz. Rest is phyllite. The veins have probably been folded. There is 10-15% qtz carbonate and 5-10% Py, Po in the vein and at vein selvages. There is very strong carbonaceous development in the phyllite adjacent to the veins. The 40 cm immediately below the veins has irregular stringers of qtz with qtz carbonate and Po, Py associated. The adjacent phyllite is strongly folded.						
		124.4 M -- 45 cm of banded dark gray siliceous sediment bedding is 80° - 85° to C.A.						
		124.85 - 130.0 M -- Knotted phyllite with 20-25% knots. Lower contact sharp at 90° to C.A.						
		130.0 - 132.7 M -- mainly F/g dark gray siliceous sediment with minor K.P. Bedding ≈ 90° to C.A. Folding has occurred in unit and folds are weakly crenulated. At 132.0 - 132.4 M there are abundant <1 mm white grains in the siliceous sediment. These grains maybe feldspar?						
		122.2 - 126.7 M -- No qtz veining						
		126.7 M -- 15 cm qtz vein 45°-50° to C.A. and parallel to foliation. 10-15% qtz carbonate and minor Po, Py in vein. Also present are several blebs of Cpy.						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. 83-3 Page 8

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
66.0	150.7 M	Cont'd:						
		126.85 - 128.9 M -- No qtz veining.						
		128.9 M -- 4 cm qtz vein 70° to C.A. 5-10% qtz carbonate and trace sulphides in vein.						
		129.95 - 137.55 M -- only a few stringers of qtz and these mainly occur between 129.95 and 132.2 M. Stringers are parallel to foliation, which is folded on a 20-50 cm scale. Example of folding can be seen at 131.8 - 132.2M.						
		132.7 - 138.05 M -- Interbedded knotted Phyllite with narrow $\lesssim$ 5 cm bands of light gray siliceous sediment. Bedding $\approx$ 85° to C.A. The knots are more lenslike in shape and only 2 - 4mm in size.						
		132.7 - 133.2 M -- Crenulations occur in the siliceous sediment, superimposed on bedding.						
		Sulphide content to 138 M is still low $\lesssim$ 0.5%.						
		137.55 M -- 3 cm qtz vein 70° to C.A. and cuts foliation at an angle of 15°. Minor qtz carbonate and trace sulphides in vein.						
		137.6 - 141.75 M -- No qtz veining.						
		141.75 M -- 1-2 mm qtz vein in a siliceous sediment unit. Vein cuts bedding and terminates at end of siliceous unit. Trace qtz carbonate and Po, Py in vein.						
		138.05 - 138.40 M -- Light gray siliceous sediment with four 1 cm bands of black phyllite. Bedding 80° to C.A.						
		138.40 M - 146.7 M -- Interbedded K.P. and Light gray siliceous sediment. Siliceous sediment occur as $\lesssim$10 cm units. Bedding $\approx$ 80° to C.A.						
		141.78 - 144.9 M -- No qtz veining.						
		144.9 - 146.1 M -- Minor qtz subparallel to foliation. Veins are less than 3 cm in size and contain minor qtz carbonate and Po, Py.						
		146.7 M -- 60 cm unit of dark gray siliceous sediment. Upper contact 85°-90° to C.A.						
		147.0 M -- 4 cm qtz vein in siliceous sediment. Vein is subparallel to bedding and has trace sylphides.						
		147.3 - 148.3 M -- Weakly knotted Phyllite.						
		148.3 - 150.7 M -- Interbedded black phyllite 70% with F/g medium to dark gray siliceous sediment Bedding is at 85° to C.A.	66.0 - 150.7 M $\lesssim$ 0.5% Po, Py in the Phyllite					
		149.95 M -- 4 cm qtz vein parallel to foliation $\approx$ 70° to C.A. 10% qtz carbonate and no sulphides in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
66.0	150.7 M	Cont'd:						
		150.55 M -- 15 cm qtz vein 80° to C.A. 10-15% qtz carbonate and trace Po, Py in vein.						
		To 150.7 M still only trace Po, Py in the Phyllite.						
150.7	159.8 M	F/g Dark Gray Siliceous Sediment and Black Banded Phyllite Interbedded						
		150.7 - 153.15 M -- mainly siliceous sediment.						
		153.15 - 159.8 M -- Banded black phyllite with minor siliceous sediment interbedded. Bedding is 75°-80° to C.A.						
		Foliation has been folded in places causing foliation to vary from 40°-90° to C.A. Only weak and very local crenulations of folds are noted.						
		Qtz veining is weak with only a few qtz veins.						
		150.7 - 159.8 M -- 58 cm of qtz (6.4%) qtz.						
		152.7 - 153.15 M -- the siliceous sediment has 20-40% < 1 mm white fragments May be feldspar fragments.						
		154.1 - 30 cm qtz vein with 10-15% qtz carbonate and 5-10% Po, Py. Vein is subparallel to foliation and has strong carbonaceous selvages.						
		154.7 - 154.9 M -- Knotted Phyllite.						
		154.4 - 158.85 M -- one qtz vein and is located 156.5 M. 3 cm qtz vein 60° to C.A. Vein cuts foliation. Trace Po, Py and qtz carbonate in vein.						
		158.85 M -- 12 cm qtz vein 45° to C.A. and cuts foliation ≈ 10° at lower contact. Upper contact subparallel to foliation ≈ 70° to C.A. but irregular. Vein has 3-5% qtz carbonate and 10% Py, Po. This section has an increase in the amount of sulphide present as streaks, stringers and disseminations in the phyllite. Up to 2-3% Po, Py.						
159.8	176.2 M	Black Knotted Phyllite 10-30% Knots and Minor Interbedded Siliceous Sediment.						
		Foliation in the K.P. is moderately developed at 70°-80° to C.A. The section has 1-2% Po, Py throughout. There is a moderate qtz vein system developed with 1.29 M of qtz in the interval 160.0 - 171.0 M (11.7% qtz). Most of the veins are subparallel to foliation and have qtz carbonate and Po, Py associated. There is strong carbonaceous alteration adjacent to qtz veining and often extends 30-50 cm away from the vein. Folding is only weakly developed. An exception is an "S" type fold at 170.85 M in a 1-2 cm bed of siliceous sediment.						
		Down to 167.0 M only trace interbedded siliceous sediment.						
		From 167.0 - 176.2 M ≈ 10-15% siliceous sediment interbedded as < 1-50 cm						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
159.8	176.2 M	Cont'd:						
		units. Bedding is 70°-80° to C.A. and at times is crenulated.						
		171.15 M -- a 2-5 cm band of siliceous sediment at 90° to C.A. Unit is abruptly folded to 0° to C.A. for 35 cm.						
		160.0 M -- 15 cm qtz vein 80° to C.A. and subparallel to bedding. Vein has 5% qtz carbonate and 2-3% Po, Py and trace sphalerite and trace dolomite in vein.						
		166.9 M -- 28 cm of qtz in 40 cm of core as five veins subparallel to each other. All are 70°-85° to C.A. Veins have 3 - 10% qtz carbonate and trace Po, Py.						
		Throughout this section good sericite development is noted in the qtz veins.						
		164.35 M -- Irregular 20 cm qtz vein. Folded. Minor qtz carbonate and Po, Py in vein.						
		165.25 M -- 35 cm's of irregular and folded qtz veins and phyllite, with strong carbonaceous development in the phyllite adjacent to the veins. About 40% of the 35 cm is qtz. Veins have minor qtz carbonate and dolomite and 10-15% Po, Py.						
		165.6 M -- 14 cm qtz vein 70° to C.A. Minor Po, Py and trace qtz carbonate in vein.						
		166.6 M -- 7-10 cm qtz vein. Upper contact 30° to C.A. and parallel to foliation. 5-10% qtz carbonate and 5-10% Po, Py in vein.	159.8 - 172.0 M 1-2% Po, Py					
		167.25 M -- 15 cm qtz vein 75° to C.A. Trace sulphides in vein.						
		167.65 - 167.8 M -- Several 3-10 mm qtz veins subparallel to foliation. Veins are strongly folded and have 5-20% qtz carbonate and 5-10% Po, Py.						
		169.8 M -- 4 cm qtz vein 80° to C.A. and cuts foliation at 15°. Vein has 5-10% qtz carbonate and trace dolomite, and 3-10% Po, Py.						
		170.2 M -- 5 cm qtz vein 80° to C.A. and cuts foliation @ 15°. Vein has 30% qtz carbonate and 10% Py and trace Po.						
		From 171.4 - 175.9 M -- No qtz veining.						
		175.9 M -- 4 cm qtz vein 90° to C.A. Trace sulphides and qtz carbonate in vein.						
		From 172.0 M there is only trace Po, Py in the knotted phyllite.						
		From 175.5 - 176.2 M narrow ≤ 1 cm bands of siliceous sediment in the knotted phyllite.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
176.2	177.7 M	Cont'd:						
		F/g Dark Gray Siliceous Sediment						
		Bedding is at 85° to C.A. There is only minor and irregular qtz and carbonate veining in the siliceous sediment. Veins are folded and often crenulated. There isn't any sulphides noted in the veins. There is only trace Py and less Po in this unit. The sulphides present are very f/g and adjacent to the upper contact.						
177.7	226.1 M	Interbedded Black Knotted Phyllite (5-15% Knots) Black Banded Phyllite and Minor Light to Dark Gray Siliceous Sediment.						
		The siliceous units are ≤10 cm in width, and often only 1-3 cm. The percentage of knots in the K.P. decrease with depth to 220 M after which they increase for a short interval.						
		The sulphide content of the knotted phyllite is 2-3% Py, Po down to 180 M. From 180 - 213.5 M there is ≤1.0 % sulphides with 70 - 80% of the sulphides present being Py.						
		177.7 - 181.65 M -- Mainly black banded Phyllite with short ≤10 cm units of siliceous phyllite.						
		181.65 - 214.8 M -- Mainly black K.P. with 10-15% knots. Alteration is generally weak in the phyllite except adjacent to qtz veining where there is a 1 - 10 cm carbonaceous selvage.						
		From 177.7 - 188.1 M -- 48 cm of qtz (4.6% qtz).						
		From 188.1 - 217.85 M only one qtz vein is present and is located at 192.15M.						
		Foliation is moderate at 70°-90° to the C.A. Bedding appears to be 80°-90° to C.A. Most of the qtz veining is parallel to subparallel to foliation. A few cut foliation at an angle ≥20°.						
		The rock in the section is quite competent with only a few fractures, most of which are subparallel to parallel to foliation. Many have a graphite coating. A few fractures are irregular and rough and 10°-30° to the C.A.						
		177.75 M -- 1 cm qtz vein 50° to C.A. and cuts foliation. Vein has 5% qtz carbonate and 5-7% Po, Py; mainly in vein at selvage.						
		180.85 M -- 20 cm qtz vein 70° to C.A. and parallel to foliation. Trace qtz carbonate and Po, Py in vein at selvage.						
		186.5 M -- 5 cm qtz vein 75° to C.A. and parallel to foliation. Vein is irregular in shape and contains 5% qtz carbonate and trace sulphides.						
		181.6 M -- 4 cm band of light gray siliceous sediment at 85° to C.A.						
		187.1 M -- 10 cm qtz vein subparallel to foliation. Vein has 5-7% qtz						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
177.7	226.1 M	Cont'd:						
		carbonate and 2-3% Po, Py and 3-5% pale green F/g chlorite and trace dolomite.						
		188.0 M -- 9 cm qtz vein subparallel to foliation. Vein has 10% qtz carbonate and trace sulphides.						
		192.15 M -- 2 cm qtz vein 60° to C.A. and cross cutting foliation which is at 80°-85° to C.A. Vein has 10% qtz carbonate and minor Po, Py in vein at selvage. Some of the sulphide is distributed within the vein.						
		Narrow bands of light gray siliceous sediment are still present. They are ≤ 10 cm in width and 85°-90° to C.A.						
		198.67 M -- 4 cm band of light gray siliceous sediment.						
		200.25 M -- 4 cm band of light gray siliceous sediment.						
		The percentage of knots is decreasing to about 10% by 195 M. The knots are oval in shape to lens like and 3-7 mm in size.						
		210.8 M -- 2 mm qtz vein 10° to C.A. Vein has 10% qtz carbonate and trace pyrite.						
		214.8 - 220.1 M -- Mainly F/g black banded phyllite with short up to 50 cm. units of dark gray to brownish gray siliceous sediment. Bedding is at 85°-90° to C.A. The banded phyllite has abundant ≤ 1 mm qtz blebs as disseminations.						
		From 213.5 -- 220.1 M -- There is an increase in sulphide content in the phyllite. There is 2-3% Po, Py and occurs as streaks and disseminations parallel to foliation	177.7 - 180 M 2 - 3% Py, Po					
		217.80 - 220.35 M -- 11 cm of qtz in five veins (4.3% qtz).	180 - 213.5 M ≤ 1.0% Po, Py					
		217.85 M -- 3-5 mm qtz vein 70° to C.A. and parallel to foliation. Trace qtz carbonate in vein.	213.5 - 220.1 M 2-3% Po, Py					
		218.95 M -- 3 cm qtz vein in broken core. Trace qtz carbonate and pyrite in vein. Immediately above the qtz vein is a 1 cm gouge zone at 85° to C.A.	220.1 - 226.1 M ≤ 1% Po, Py					
		219.6 M -- 3 cm gouge zone. Angle to C.A. 7.						
		219.75 M -- 1-2 cm qtz vein subparallel to foliation with minor qtz carbonate and trace dolomite. 10-20% py in vein.						
		220.0 M -- 3-5 cm qtz vein 70°-90° to C.A. and subparallel to foliation. 10% qtz carbonate in vein selvage, with 3-5% Py, Po. Vein has a few blebs of light brown dolomite. One grain of dolomite occurs as a crystal in a cavity.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
177.7	226.1 M	Cont'd:						
		220.15 M -- 1 cm qtz vein 85° to C.A. and parallel to foliation. Vein has 10-15% Po, Py in vein.						
		220.18 - 226.1M -- No qtz veining.						
		220.1 - 226.1 M -- Knotted phyllite with 5-15% knots with minor banded phyllite. Foliation is good at 75° - 80° to C.A.						
		220.1 - 226.1 M -- < 1% Po, Py in the Phyllite.						
226.1	248.4 M	F/g Black Banded Phyllite. Carbonaceous.						
		From 226.1 - 236.7 M -- 2.0 meters of qtz (18.9% qtz). The phyllite has strong carbonaceous alteration, especially adjacent to qtz veining. Foliation varies from 40° 90 to C.A. and at times folded around qtz veining. A few of the veins are not folded. The phyllite has strong Po, Py as blebs and stringers parallel to foliation and often folded and crenulated. There is 3-5% sulphides.						
		Many of the qtz veins have abundant Po, Py associated.						
		226.0 - 233.8 M -- Black banded phyllite with abundant disseminated < 1 mm blebs of qtz?						
		226.3 M -- 5 cm qtz vein 70° to C.A. and subparallel to foliation. 10-15% qtz carbonate and 10% Po, Py in vein. Vein has strong carbonaceous selvages.						
		226.45 M - 227.7 M -- qtz vein at 45° to C.A. to 5° to C.A. Vein is parallel to foliation. Vein has good sulphides and qtz carbonate in vein at selvages. 2-3% qtz carb occur as irregular patches in the vein. One speck of Cpy is noted at upper contact in vein. The vein has strong carbonaceous selvages of phyllite.						
		230.1 M -- 5 cm qtz vein 80° to C.A. and parallel to foliation. Vein has 10% qtz carbonate and 5% Po, Py.						
		230.3 M -- Broken 5 cm qtz vein with trace sulphides.						
		231.6 M -- Broken qtz veins ≤ 10 cm of qtz in 3-4 veins. Veins have 5-10% Po, Py.						
		Foliation at 231.6 M is 45°-50° to C.A.						
		231.6 - 237 M -- weak crenulations in the phyllite.						
		233.8 M -- 10 cm gouge 90° to C.A. The gouge zone is 100% clay.						
		234.5 M -- 5-10 cm qtz vein 35° to C.A. and subparallel to foliation. 20% qtz carbonate and 10-20% Po, Py in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS				
226.1	248.4 M	Cont'd:										
		235.15 M -- 33 cm qtz vein 80° to C.A. and perallel to foliation at lower contact. Upper contact appears to cut foliation. Vein has 10% qtz carbonate and 2-3% light green chlorite and 5-7% Po, Py.										
		There is moderate to strong sericite development with most of the qtz veins in this section.										
		235.6 M -- 2-4 cm qtz vein 80° to C.A. and subparallel to foliation. 5-10% qtz carbonate and 3-5% Po, Py in vein.										
		235.9 M -- Crenulated fold. Fold has a 10-15 cm wavelength, with crenulations on a 1 cm scale.										
		236.3 M -- Banding and possible bedding at 90° to C.A.										
		239.2 M -- The Phyllite has abundant F/g carbonate and carbonate stringers, which effervesce in cold HCl. This may be the same unit encountered in the bottom of FBC 83-2. Foliation in the phyllite is quite variable with angles to C.A. from 20°-90°. The phyllite is folded with weak to moderate crenulations developed on the folds.										
		This section has abundant < 1 to 3 mm wide blebs and stringers of qtz and qtz carbonate to carbonate all parallel to foliation.										
		The phyllite has 2-3% disseminated Py. No Po is noted in the phyllite from 237 M to 284 M.	226.1 - 248.4 M 2-3% Py									
		236.5 - 248.4 M -- 81 cm of qtz (6.8% qtz). These veins are often irregular in shape, varying from simple folded veins to irregular patches of qtz in the phyllite. A few of the veins are not deformed. The qtz present instead of having blebs of qtz carbonate have patches of white calcite intergrown with the qtz. At times there is more calcite than qtz. The veins have only trace sulphides at best and some of the veins are barren.										
		Veins or patch of qtz vary in size from < 1 cm to 5.10 cm. This section has strong carbonaceous development throughout.										
		In this section the white streaks and blebs react strongest with HCl, however < 1 mm grains of calcite is disseminated in the phyllite; but not in the siliceous sediment.										
		243.85 M -- 35 cm of irregular qtz and carbonate veins and vein fragments. No sulphides occur in the vein.										
		246.3 M -- 20 cm of qtz and carbonate with no sulphides.										
248.4	294.9 M	Interbedded Black Banded Phyllite, Light Gray Siliceous Sediment and Black Carbonaceous Phyllite.										
		The Phyllite effervesces strongly to 251.3 M below which only short often < 1 meter sections effervesce.										

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
248.4	294.9 M	Cont'd:						
		248.4 - 265.15 M -- 46 cm of qtz (2.7% qtz)						
		265.15 - 268.1 M -- 1.42 meters of qtz (48% qtz)						
		268.1 - 288.1 M -- 70 cm of qtz , 55 cm of which is in two veins. (3.5% qtz)						
		288.1 - 294.9 M -- 120 cm of qtz (17.6% qtz)						
		The phyllite and siliceous sediment are strongly folded in places and may be crenulated.						
		Bedding when not folded is at 70°-90° to C.A. Foliation varies from 0° to 90° to C.A. When there is strong crenulations some of the qtz and thin bands of siliceous sediment have been broken and form irregular fragments in the phyllite. The fragments are alligned to form folds.						
		To 284 M there isn't any Po in the Phyllite. Pyrite content is 2-3% and occurs as irregular blebs and lenses parallel to foliation. The qtz veining from 248.4 - 265.1 M have trace Py at best and occasional minor Po.						
		254.5 M -- 2 cm qtz vein 60° to C.A. and parallel to foliation. Vein has trace Po.						
		255.55 M -- 10 cm qtz vein 70° to C.A. and parallel to foliation at lower contact. Upper contact is 40° to C.A. and parallel to foliation. Vein has trace Py.						
		The phyllite is soft and carbonaceous. The bedding is on a < 1 cm to 50 cm with the interbedded siliceous sections being the narrower units often < 10 cm wide.						
		The majority of the pyrite is in the phyllite with < 1% Py in the siliceous sediment.						
		259.2 M -- 11 cm qtz vein. L.C. 80° to C.A. U.C. is irregular and ≈ 40° to C.A. Vein is void of sulphide. Vein has irregular patches of white calcite.						
		260.1 M -- 6 cm qtz vein 70° to C.A. and parallel to foliation. Vein has 60% calcite and no sulphides.						
		265.15 M -- 60 cm qtz vein with irregular contacts ≈ 60°-80° to C.A. and parallel to foliation. Veins have 5% phyllite inclusions. Vein is void of sulphides.						
		266.0 M -- 33 cm qtz vein 80° to C.A. and parallel to foliation. Trace Po, Py Cpy, Galena, and Sphalerite in vein.						
		266.35 - 267.0 M -- qtz vein Upper Contact 80° to C.A. Lower Contact 20° to C.A. The Phyllite adjacent to vein is folded. There is about 20 cm of phyllite in the vein. There is trace qtz carbonate in vein.						
		273.95 M -- 12 cm qtz vein 75° to C.A. and parallel to foliation. Vein has						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
248.4	294.9 M	Cont'd:						
		trace Py and Po.						
		270.0 M -- A good example of folding. In 5 cm foliation changes from 75° - 0° to C.A.						
		272.4 M -- Two 2-3 cm qtz veins 40° to C.A. and parallel to foliation. Trace qtz carbonate and pyrite in vein.						
		273.4 M -- 10 cm qtz vein 40° to C.A. and subparallel to foliation. Vein has 5% qtz carbonate and trace Py.						
		281.4 M -- 45 cm qtz vein 40° to C.A. and parallel to foliation. Trace Py, Galena and Sphalerite in vein at selvage.						
		Below 270 M there is only minor phyllite which reacts with HCl, and below 273 M there doesn't appear to be any reaction.						
		273.9 M -- 20 cm unit of siliceous sediment, which is broken and recemented. Unit looks like a lapilli tuff, which has been stretched due to metamorphism. A similar unit was noted in FRC 83-1.						
		From 271 M the phyllite and siliceous sediment is more strongly crenulated. There is also an increase in the percentage of siliceous sediment. Axis of folding is 90° to C.A. ± 10°.						
		286.8 - 287.5 M -- Light gray F/g siliceous sediment. Upper contact sharp at 85° to C.A. Lower contact is 50°-60° to C.A.						
		Below 284 M Po is noted again in the Phyllite as thin streaks parallel to foliation.						
		287.5 - 288 M -- Trace knots in the Phyllite.						
		284.9 M -- 4 cm qtz vein 80° to C.A. Minor qtz carbonate and trace Py and sphalerite in vein.						
		The siliceous sediment unit at 286.8 - 287.5 M has 20 cm of qtz veining. Veins are subparallel to bedding and has 3-5% qtz carbonate and minor pyrite. In a qtz vein at 287 M there are several 1-2 mm x 5 mm streaks of a bright green mineral. Maybe fuchsite.						
		From 288.1 - 294.9 M there is an improvement in the amount of qtz veining and the amount of sulphides and qtz carbonate in the veins.						
		292.25 M -- 40 cm of light gray siliceous sediment. Unit is same as one at 286.8 - 287.5 M. Contact ≈ 80° to C.A. Section has 17 cm of qtz in 3 veins. Veins are subparallel to bedding. They have 5-20% qtz carbonate and 2-3% Py and trace Po. Trace bright green mineral is also present in the center vein. The lower vein has trace Cpy.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
246.4	294.9 M	Cont'd:						
		292.95 M -- Folded 10-15 cm qtz vein with minor qtz carbonate and 2-5% Py.						
		293.45 M -- 16 cm's with 12cm's of qtz veining in three veins. All ≈60° - 70° to C.A. Veins cut foliation @10°. Veins have trace qtz carbonate and 5-10% Po.						
		293.9 M -- 17-20 cm qtz vein 70° to C.A. and parallel to foliation. Vein has 30% phyllite inclusions and 5-10% Po and Minor Py. There is 5-15% qtz carbonate in vein.						
		Between 288.5 - 291.1 M there are several good examples of folding.						
		From 290.5 M there appears to be more Po than Py in the phyllite.						
294.9	324.9 M	F/g Light to Dark Gray Siliceous Sediment interbedded with Black Banded Phyllite.						
		294.9 - 305.1 M -- 60 cm of qtz (5.9% qtz)						
		Veins are generally parallel or subparallel to foliation in the phyllite. In the siliceous sediment sections veins may cut bedding.						
		294.9 - 295.15 M -- Siliceous Sediment 295.15 - 296.0 M -- Black Banded Phyllite 296.0 - 296.9 M -- Light Gray Siliceous Sediment 296.9 - 299.15 M -- Black Banded Phyllite 299.15 - 305.0 M -- Light Gray Siliceous Sediment 305.0 - 310.0 M -- Dark Gray Siliceous Sediment and Black Phyllite interbedded.						
		Foliation is well developed and due to folding may vary from 90°-0° to C.A. Folding is on a 10-50 cm scale with these folds being crenulated on a 1 cm scale.						
		This section has 1-2% Py and trace Po with generally < 1% Py and no Po in the Siliceous sediment.						
		From 301.5 - 310 M the core is strongly broken with a number of irregular fractures at a low angle to the C.A. Fractures are irregular and rough.						
		294.9 M -- 2-5 cm qtz vein parallel to foliation. Vein has irregular boundaries. Vein has 20-40% qtz carbonate and minor Py, Po.						
		299.4 M -- Folded 2 - 4 cm qtz vein 0° to C.A. for 30 cm. Qtz carbonate and trace Py in vein.						
		300.9 - 302.5 M only 70% recovery. This interval has at least 40 cm of qtz in 4 qtz veins. The first 3 veins are all subparallel to foliation. They are 15 cm, 20 cm and 4 cm in width. Veins have 30% qtz carbonate and 3-10% Po, Py. The lower vein is at 302.5 M and is @ 10% to C.A. Most of the vein is broken core, however qtz carbonate, Po, Py is visible in the vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
294.9	324.9 M	Cont'd:						
		306.8 M -- 8 cm qtz vein perallel to foliation at 75° to C.A. Vein has what appears to be sericitic selvages. This vein has 20% qtz carbonate and 2-3% Po, Py and several 1 cm by 2 cm patches of a bright green soft micaceous mineral. Fuchsite?						
		From 305.1 to 311.5 M -- there is only minor qtz veining.						
		307.6 - 308.7 M -- Strongly broken core						
		309.3 - 310.6 M -- Strongly broken core						
		309.55 M -- 5 cm qtz vein in broken core with minor Po, Py.						
		310.0 - 311.5 M -- mainly black phyllite L.C. 25° to C.A.						
		311.5 - 315.3 M -- Light gray to pale olive green siliceous sediment. This section of siliceous sediment appears to have moderate to strong sericitic alteration. Folding is prominent in this section and results in foliation varying from 0°-80° to C.A. Any remnant bedding is also folded. Bedding or foliation can vary from 70° to 10° to C.A. in 5 cm.						
		311.5 - 315.3 M -- 20 cm of qtz veining in several veins. These veins can vary from 0 - 80° to C.A. and are often folded. These veins have 5-7% qtz carbonate and minor Po, Py. Trace Cpy is noted in one qtz vein. Trace bright green fuchsite is also present. Adjacent to some of the qtz veins the rock is almost chert.						
		Abundant olive green alteration? is present as bands parallel to foliation. This may be an alteration to sericite. The siliceous sediment has 1 - 2% Py as disseminations and < 1% Po mainly in the qtz veins and as folded streaks.						
		315.3 - 318.9 M -- Black Phyllite which may be banded. Strong folding and crenulations developed on the folds. The phyllite is strongly broken with 85% recovery.						
		At 315.7 M -- 20 cm qtz vein 60° to C.A. Vein has tr Po.						
		315.95 M -- 12 cm qtz vein 70° to C.A. Trace Po in vein.						
		318.9 - 321.3 M -- Light gray siliceous sediment. Sericitic Alteration? is present as above. This section has 15-20% qtz as individual veins and irregular qtz fragments. All strongly folded.						
		Veins vary from parallel to foliation to definitely cutting bedding. Veins vary in size up to 6-8 cm. These veins have 5-20% qtz carbonate and 5-10% Po, Py. Trace sphalerite is noted in a few of the veins. Veins have about 30% siliceous sediment inclusions.						
		The siliceous sediment has trace Po, Py.						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. 83-3 Page 19

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
294.9	324.9 M	Cont'd:						
		321.3 - 324.9 M -- Mainly black phyllite. Foliation is 20°-90° to C.A. and at times crenulated.						
		322.5 - 323.5 M -- foliation down C.A. Vein at 322.5 M extends to 323.0M. Vein is parallel to foliation and is at least 10 cm wide. 2-5% qtz carbonate and trace Po, Py in vein.						
		323.0 - 323.5 M -- qtz vein 30° to C.A. Vein is milky white and barren.						
		324.M -- qtz vein ≈70° to C.A. Vein is milky white and has several specks of Po.						
	324.9 M	E.O.H.						

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY Frasergold	LATITUDE L 51 + 98 E	STARTED October 17th, 1983	
HOLE NO. F.B.C. 83-4	DEPARTURE 2 + 25 S	FINISHED October 21st, 1983	
BEARING Az. 045°	ELEVATION 5110' (1557.5 M)	LENGTH 787' (239.9 M)	
DIP-COLLAR - 50°	SECTION	LOGGED BY P. Brown	

DIP TEST

Footage	Corrected	Footage	Corrected	Footage	Corrected
61.0 M	- 50°				
121.9 M	-47°				
182.9 M	-45°				

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization
0.0	6.1	Casing	
6.1	22.55 M	F/g Black Knotted Phyllite 20-30% Knots:	
		In this section the majority of the knots are limonitic. These knots vary in size from 2 - 6 mm and oval to lenslike with a few being irregular shaped.	
		Core recovery from 6.1 M to 22.55 ≈75%.	
		The phyllite is strongly fractured with fractures varying 0 - 75° to C.A. Most are parallel to or subparallel to foliation. Most fractures have irregular surfaces.	
		At 21.6 - 22.55 M there is interbedded F/g banded phyllite which is strongly limonitic.	6.1 - 22.55M Tr Py and moderate to weak limonite in the qtz veins.
		Foliation is moderate at 50°-70° to C.A.	
		From 6.1 - 7.5 M mainly white qtz with broken phyllite. At least 75 cm of qtz. Vein has trace limonite.	
		8.4 - 9.2 M -- qtz vein with 5-10% limonite and minor pale green chlorite or sericite. Minor pyrite in vein.	
		13.7 M -- 29 cm qtz vein trace limonite.	
		14.0 M - 17.0 M -- No qtz veining.	
		17.0 - 22.55 M -- 46 cm of qtz. Veins are subparallel to foliation and are vuggy and limonitic (8.2% qtz). Veins vary in size from < 1 cm to 8 cm. Minor chlorite or pale green sericite is noted in several of the qtz veins.	
		18.7 M -- two parallel qtz veins. 8 cm and 10 cm. Both veins have limonite associated.	
		19.5 - 19.8 M -- Broken qtz and phyllite. Phyllite also occurs as inclusions in the qtz. The qtz is limonitic.	

SAMPLE NO.	FOOTAGE(Meters) From	To	Length	ASSAYS Au(oz/t)	RQD
W3138	6.1	7.5	1.4	.002	
39	7.5	9.0	1.5	.001	28
W3140	9.0	10.5	1.5	.001	
41	10.5	12.0	1.5	.002	0
42	12	13.5	1.5	.009	
43	13.5	15	1.5	.001	27
44	15	16.5	1.5	.001	
45	16.5	18	1.5	.001	26
46	18	19.5	1.5	.002	
47	19.5	21	1.5	.002	30
48	21	22.5	1.5	.001	
49	22.5	24	1.5	.001	20
W3150	24	25.5	1.5	.002	
51	25.5	27	1.5	.002	75
52	27	28.5	1.5	.001	
53	28.5	30	1.5	.002	64
54	30	31.5	1.5	.020	
55	31.5	33	1.5	.001	60
56	33	34.5	1.5	.001	
57	34.5	36	1.5	.001	52
58	36	37.5	1.5	.001	
59	37.5	39	1.5	.001	81
W3160	39	40.5	1.6	.001	
61	40.5	42	1.5	.001	44
62	42	43.5	1.5	.001	
63	43.5	45	1.5	.001	4
64	45	46.5	1.5	.001	
65	46.5	48	1.5	.001	27
66	49	49.5	1.5	.001	
67	49.5	51	1.5	.001	24
68	51	52.5	1.5	.001	
69	52.5	54	1.5	.003	44
W3170	54	55.5	1.5	.009	
71	55.5	57	1.5	.001	50
72	57	58.5	1.5	.001	
73	58.5	60	1.5	.001	82
74	60	61.5	1.5	.002	
75	61.5	63	1.5	.001	57

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PROPERTY Frasergold HOLE NO. 83-4 Page 2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS oz/t	ASSAYS
6.1	22.55 M	Cont'd:		W3176	63	64.5	1.5	.001	
				77	64.5	66	1.5	.001	46
		11.5M-- 2-3 cm gouge		78	66	67.5	1.5	.001	
		13.5M-- 5 cm gouge		79	67.5	69	1.5	.001	48
		17.9 M -- 2 cm gouge		W3180	69	70.5	1.5	.001	
		19.3 - 19.5 M -- gouge. These gouge zones appear to be parallel to foliation,		81	70.5	72	1.5	.001	86
		however they are in broken core.		82	72	73.5	1.5	.002	
				83	73.5	75	1.5	.001	59
22.55	164.9 M	F/g Black Knotted Phyllite 10-30% knots		84	75	76.5	1.5	.001	
				85	76.5	78	1.5	.001	45
		The phyllite has short sections which are still limonitic. This limonite		86	78	79.5	1.5	.003	
		is restricted to knots adjacent to an open fracture. This section has		87	79.5	81	1.5	.001	45
		several short intervals of interbedded F/g black banded to black phyllite.		88	81	82.5	1.5	.001	
		Bedding is at 70-80° to C.A. and appears to be subparallel to foliation.		89	82.5	84	1.5	.001	67
		Down to 52 M there isn't any secondary folds or crenulations developed.		W3190	84	85.5	1.5	.001	
				91	85.5	87	1.5	.002	81
		22.55 - 27.2 -- No qtz veining.		92	87	88.5	1.5	.001	
				93	88.5	90	1.5	.001	76
		24.45 M -- 5 cm with strong limonite developed in the knots. This limonite		94	90	91.5	1.5	.002	
		development is as a selvage to an open fracture.		95	91.5	93	1.5	.017	47
				96	93	94.5	1.5	.001	
		27.2 - 41.6 M -- 2.00 Meter of qtz veining (13.9% qtz). The veins are		97	94.5	96	1.5	.001	68
		generally evenly distributed throughout this section. Veins vary in size		98	96	97.5	1.5	.001	
		from < 1 cm to 10-15 cm. Most veins are parallel to subparallel to		99	97.5	99	1.5	.003	98
		foliation. A few cut foliation at 10-30°. Veins have 5-10% qtz carbonate,		W3200	99	100.5	1.5	.009	
		however a number of veins have only trace sulphides.		01	100.5	102	1.5	.002	87
				02	102	103.5	1.5	.004	
		The phyllite has only trace pyrite to 83.0 M. < 0.5%.		03	103.5	105	1.5	.024	89
				04	105	106.5	1.5	.001	
				05	106.5	108	1.5	.003	40
		27.2 M -- 12 cm qtz vein 90° to C.A. Trace Py, Po and Cpy in vein. Vein		06	108	109.5	1.5	.001	
		has 3-5% qtz carbonate and trace chlorite or sericite.		07	109.5	111	1.5	.001	56
				08	111	112.5	1.5	.001	
		27.95 M -- Folded 7-8 cm qtz vein. Axis of fold is 90° to C.A. Vein is		09	112.5	114	1.5	.001	22
		parallel to foliation. 3-5% qtz carbonate and trace Po and minor chlorite		W3210	114	115.5	1.5	.019	
		in vein.		11	115.5	117	1.5	.101	52
				12	117	118.5	1.5	.051	
		29.6 M -- 8 cm qtz vein 70° to C.A. Trace qtz carbonate and Po, Py in		13	118.5	120	1.5	.021	84
		vein at selvage.		14	120	121.5	1.5	.002	
				15	121.5	123	1.5	.001	97
		30.85 M -- 15 cm qtz vein 75° to C.A. 5-10% qtz carbonate and trace pyrite		16	123	124.5	1.5	.001	
		in vein.		17	124.5	126	1.5	.008	93
				18	126	127.5	1.5	.001	
		31.65 M -- 10 cm of F/g Black phyllite.		19	127.5	129	1.5	.011	93
				W3220	129	130.5	1.5	.003	
		32.3 M -- 4 cm qtz vein 70° to C.A. 5% chlorite and minor Py in vein.		21	130.5	132	1.5	.013	98
				22	132	133.5	1.5	.003	
		32.6 -- 6-10 cm qtz vein upper contact 75° to C.A. Minor qtz carbonate		23	133.5	135	1.5	.001	100
		and trace Po, Py in vein.		24	135	136.5	1.5	.001	
				25	136.5	138	1.5	.001	100
		33.4 M -- Folded 5-10 cm qtz vein, upper contact 70° to C.A. Lower contact		26	138	139.5	1.5	.001	
		0° to C.A. for 10 cm. Strong qtz carb and minor Po, Py in vein.		27	139.5	141	1.5	001	98

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. 83-4 Page 3

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/T)	RQD
22.55	164.9 M	Cont'd:		W3228	141	142.5	1.5	.001	
				29	142.5	144	1.5	.001	98
		35.0 M -- Two parallel qtz veins, 5 cm and 7 cm. Veins 75° to C.A. 5-10% qtz carbonate and trace pyrite in vein.		30	144	145.5	1.5	.001	
				31	145.5	147	1.5	.001	70
				32	147	148.5	1.5	.001	
		41.0 - 44.1 M -- F/g Black moderately hard phyllite. Unit could be tuffaceous ? Knots are not developed. However 1-2 mm by 3-15 mm bands of lighter coloured material occur in the phyllite. They appear to have formed in a similar manner to the knots. Unit also has 1-5 cm bands of light to medium gray siliceous sed to tuff. Bedding is at 80° to C.A.		33	148.5	150	1.5	.001	50
				34	150	151.5	1.5	.001	
				35	151.5	153	1.5	.001	70
				36	153	154.4	1.5	.007	
				37	154.5	156	1.5	.001	87
				38	156	157.5	1.5	.002	
		38.0 M - 10-15 cm qtz vein 30°-45° to C.A. Vein has 5-7% qtz carbonate and trace Po, Py.		39	157.5	159	1.5	.001	54
				W3240	159	160.5	1.5	.013	
				41	160.5	162	1.5	.026	72
		38.7 M -- 3-4 cm qtz vein 80° to C.A. and cuts foliation which is at 50° to C.A. Vein has 2-3% qtz carbonate and trace Po, Py and 2 mm by 2 cm bands of sphalerite.		42	162	163.5	1.5	.010	
				43	163.5	165	1.5	.020	63
				44	165	166.5	1.5	.002	
				45	166.5	168	1.5	.001	28
		39.45 M -- Folded 5-10 cm qtz vein. Fold axis 90° to C.A. Vein has 10-20% qtz carbonate and 2-3% Po, Py.		46	168	169.5	1.5	.001	
				47	169.5	171	1.5	.002	54
				48	171	172.5	1.5	.002	
		39.65 M -- 8 cm qtz vein 70° to C.A. and 10° to foliation which is at 80° to C.A. Vein has 5% qtz carbonate and trace Po, Py.		49	172.5	174	1.5	.047	80
				W3250	174	175.5	1.5	.010	
				51	175.5	177	1.5	.007	81
		41.6 - 45.0 M -- No qtz veining.		52	177	178.5	1.5	.006	
				53	178.5	180	1.5	.001	100
		45.55 M -- Sample of possible tuff band ~~of~~ 2 cm with phyllite taken for thin section.		54	180	181.5	1.5	.003	
				55	181.5	183	1.5	.006	63
				56	183	184.5	1.5	.007	
		45.6 M -- 14 cm qtz vein 80° to C.A. and subparallel to foliation. Minor qtz carb and trace Po, Py.		57	184.5	186	1.5	.001	65
				58	186	187.5	1.5	.003	
				59	187.5	189	1.5	.001	80
		45 - 60.1 M -- There is 1.70 M of qtz veining (11.3% qtz). The phyllite is weakly to moderately carbonaceous with strong carbonaceous development adjacent to qtz veining. The qtz veins at times are folded. There is usually sericite noted in the qtz veining.		W3260	189	190.5	1.5	.001	
				61	190.5	192	1.5	.001	63
				62	192	193.5	1.5	.001	
				63	193.5	195	1.5	.001	52
				64	195	196.5	1.5	.003	
		44.7 - 60.0 M -- Moderate to strong carbonaceous development in the K.P.		65	196.5	198	1.5	.001	73
				66	198	199.5	1.5	.001	
		47.1 M -- Broken 3 cm qtz vein 0° to C.A. for 10 cm. Qtz carbonate and trace sulphides in the vein.		67	199.5	201	1.5	.007	65
				68	201	202.5	1.5	.051	
				69	202.5	204	1.5	.002	84
		From 52 - 60 M the knotted phyllite is moderately to strongly folded with many of the qtz veins being folded or pinched and swelled. A number of the veins occur as wedge shaped fragments in the phyllite. This is a result of deformation. There appears to be an increase in the amount of Po, Py associated with the veining. Trace Cpy and sphalerite is noted in several of the qtz veins.		W3270	204	205.5	1.5	.001	
				71	205.5	207	1.5	.010	89
				72	207	208.5	1.5	.001	
				73	208.5	210	1.5	.001	100
				74	210	211.5	1.5	.002	
				75	211.5	213	1.5	.001	39
				76	213	214.5	1.5	.002	
		49.6 M -- 7-8 cm qtz vein 40° to C.A. Vein has 5% qtz carbonate and trace Po, Py.		77	214.5	216	1.5	.001	76
				78	216	217.5	1.5	.001	
				79	217.5	219	1.5	.001	73

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. 83-4 Page 4

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)	ROD
22.5	164.9 M	Cont'd:		W3280	219	220.5	1.5	.001	
				81	220.5	222	1.5	.001	59
		Noted in the section of qtz veining from 45 M to 60 M is pale green sericite or chlorite associated with individual veins.		82	222	223.5	1.5	.011	
				83	223.5	225	1.5	.002	52
		53.2 M -- A strongly folded 5 cm band of light gray siliceous sediment. Folding is in a 20 cm scale with fold axis 90° to C.A.		84	225	226.5	1.5	.001	
				85	226.5	228	1.5	.001	90
				86	228	229.5	1.5	.001	
		53.45 M -- Folded 4-5 cm qtz vein 45° to C.A., at upper contact. Trace qtz carbonate and sulphides in vein.		87	229.5	231	1.5	.001	93
				88	231	232.5	1.5	.001	
				89	232.5	234	1.5	.001	97
				W3290	234	235.5	1.5	.001	
		54.1 M -- 9 cm qtz vein 80° to C.A. 2-3% Po and qtz carbonate in vein.		91	235.5	237	1.5	.001	87
				92	237	238.5	1.5	.001	
		56.4 M -- 5 cm qtz vein 60° to C.A. Vein has abundant pale green chlorite. Trace sulphides and qtz carbonate.		W3293	238.5	239.9	1.4	.001	97
		56.9 M -- Irregular and folded 5-10 cm qtz vein with 20% phyllite fragments. Vein has 5-10% qtz carbonate and minor Po, Py.							
		58.1 - 58.4 M -- A good example of folding and knot formation. Folding is on a 5-7 cm scale. Fold is exemplified by a 1 cm qtz vein. Axis to fold is 90° to C.A.							
		58.9 M -- 4-5 cm wedge of qtz with 5-10% Po, Py.							
		59.4 M -- 32 cm qtz vein 80° to C.A. Vein has 3-5% qtz carbonate mainly at selvage in vein and minor sulphides.							
		59.94 M -- 5-10 cm qtz vein at 60° to C.A. L.C. at 0° to C.A. Vein has minor qtz carbonate and 2-3% sulphides.							
		Below 60.1 M there is considerably less qtz veining.							
		60.1 - 64.2 M -- 12 cm of qtz veining.							
		60.1 - 62.1 M -- No qtz.							
		62.1 M -- 6 cm qtz vein.							
		63.2 M -- 1 cm qtz vein.							
		63.65 M - 5mm qtz vein.							
		64.2 M -- 4 cm qtz vein.							
		The four veins listed above are subparallel to foliation. Veins have 3-10% qtz carbonate and 2-5% pyrite with lesser Po and trace Cpy.							
		62.7 - 64.2 M -- Black Phyllite with 2-4% Py and Po as blebs and streaks.							
		From 52-60 M there is 3-5% (Py and lesser Po) in the phyllite.							
		60 - 62.2 M -- ≤ 2% sulphides mainly Py							
		62.2 - 64.2 M -- 3-4% sulphides Po and Py							
		64.2 M--83M≤ 1% sulphides Py and trace Po.							

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
22.55	164.9 M	Cont'd:						
		From 64 M to 91.45 M the phyllite is not folded or crenulated, except maybe on a minor scale over $<$1 M intervals. Foliation is strong at 80°-90° to C.A. Interbedded with the knotted phyllite are short $<$10 cm intervals of light gray F/g tuff? Bedding is at 80° to C.A. Short 10 - 100 cm units of F/g black weakly banded phyllite is also interbedded. This section has very poor qtz veining. Usually 1 - 4 veins occur within a 2 meter interval separated by several meters without any qtz veins.						
		The phyllite has only minor $<$ 0.5% Py and Po.						
		Total vein content from 64.5 - 105 M is 0.87 meter of qtz veining (2% qtz).						
		64.5 - 67.6 M -- No qtz veining.						
		67.6 M -- 5-7 cm qtz vein. 30° to C.A. Vein has 5-10% qtz carbonate and trace sulphides in vein at selvage.						
		67.9 M -- 5-6 cm qtz vein 45° to C.A. and cuts foliation. 10-15% qtz carbonate and trace sulphides in vein at selvage.						
		Both veins have well developed carbonaceous selvages in the phyllite.						
		68.0 - 71.75 M -- No qtz veining.						
		71.75 M -- 2 cm qtz vein 70° to C.A. Vein cuts bedding. Vein has 5% qtz carbonate and trace Py.						
		71.7 M -- 10 cm light gray F/g tuff? unit. Lower contact 80° to C.A. Upper contact irregular at 30°-50° to C.A. There are weak knots developed in unit and $<$1 mm crystals (fragments?)						
		70.2 M -- 30 cm unit of F/g black phyllite. Contacts $\approx$ 80° to C.A.						
		70.4 M -- 5 cm of F/g Black banded Phyllite.						
		71.75 - 72.85 M -- No qtz veining.						
		72.85 M -- 75.0 M -- 14 cm of qtz in 3 qtz veins.						
		At 72.85 M -- 4 cm qtz vein -- 80° to C.A. At 74.65 M -- 7 cm qtz vein -- 75° to C.A. At 79.95 M -- 3 cm qtz vein -- 80° to C.A.						
		All three veins have minor qtz carbonate and trace sulphides.						
		74.94 - 79.1 M -- No qtz veining.						
		79.1 - 79.6 M -- 30 cm of qtz veining.						
		79.1 M -- folded 10-20 cm qtz vein. Fold axis. 90° C.A. 5-10% qtz carbonate and minor Po, Py in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
22.55	164.9	Cont'd:						
		79.4 M -- 4 cm qtz vein 65° to C.A. Vein cuts foliation and has irregular boundaries. 10% qtz carbonate and 3-5% Po, Py mainly in vein at selvage.						
		79.5 M -- 6 cm qtz vein 70° to C.A. 10% qtz carbonate and 3-5% Py in vein.						
		79.6 - 91.45 M -- Trace qtz veining, occurring as < 1 cm bands of qtz.						
		From 83 M there is an increase to about 1% the amount of sulphides in the phyllite. Pyrite and lesser Po occur as blebs and stringers parallel to foliation. The Po appears to be more mobile than the Py.						
		83.3 M -- 50-60 cm unit of F/g black weakly bedded phyllite. Bedding ≈ 85° to C.A.						
		91.45 - 95.0 M -- 40 cm of qtz veining 8 8% qtz). These veins are all sub-parallel to bedding and contain 5-30% qtz carbonate and 10-30% Po, Py. A few have trace Cpy and Sphalerite. The phyllite adjacent to veins is strongly carbonaceous. The phyllite has occasional stringers of sulphides. This 4.55 M section has stronger deformation of the phyllite with the production of secondary folding. Minor chlorite or pale green sericite is noted in a number of qtz veins. Some of the qtz veins have been pinched and swelled and now occur as wedges. This section has interbedded black phyllite and knotted phyllite with thin < 10 cm bands of gray tuff?						
		95.0 - 101.5 M -- Minor qtz veining as isolated < 1 cm to 3 cm qtz veins.						
		98.0 M -- small 2-5 mm bands of light gray siliceous sediment.						
		101.5 - 107.6 M -- qtz vein zone with 1.13 meters of qtz veining. (18.5% qtz).						
		Foliation in this qtz vein zone is 30°-80° to C.A. Small scale folding causes foliation to vary to 0° to C.A. Veins are often irregular in shape as a result of pressure differences. Most of the qtz veins have selvages of qtz carbonate and sulphides, with lesser sulphides in the center of the vein. The phyllite adjacent to the qtz veins have strong carbonaceous development. The phyllite has 2-4 % Po, Py. Good sericite development is noted in several of the qtz veins.						
		101.5 M -- 14 cm qtz vein 70° to C.A. and cuts foliation. Vein has 10% qtz carbonate and 3-5% Po, Py and traces of sphalerite.						
		102.4 M -- 7 cm qtz vein with irregular contacts ≈ 70° to C.A. 10-20% qtz carbonate and 3-5% Po, Py in vein.						
		104.1 M -- 15 cm qtz vein with irregular boundaries and ≈ 70° to C.A. Vein is subparallel to foliation. 15% qtz carbonate and 10% Po, Py and trace Cpy in vein.						
		107.1 M -- 14 cm qtz vein 85° to C.A. Minor qtz carbonate and sulphides in vein						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. 83-4 Page 7

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS				
22.55	164.9 M	Cont'd:										
		107.6 - 114.75 M -- No qtz veining.										
		114.75 - 120.03 M -- A qtz vein Zone with 1.4 Meters of qtz veining (27.7% qtz).										
		Veins have 5-20% qtz carbonate and 3-10% Po,Py. Veins vary from 20° -90° to C.A. Many of the qtz veins are parallel to subparallel to foliation. The qtz veins have strong carbonaceous selvages in the phyllite. There is moderate sericite noted in many of the qtz veins. Foliation is generally 60°-80° to C.A., however some small scale folding has occurred. There is evidence of pinch and swell in a number of the qtz veins. The phyllite itself has 2-4% Po, Py with < 1% Po, Py in the phyllite away from the qtz vein zone.										
		115.4 M -- 15 cm qtz vein 45°-90° to C.A. Vein has 5-10% qtz carbonate and 10-15% Po, Py.										
		116.7 M -- 20 cm qtz vein 45° to C.A. with 20% qtz carbonate and 5-10% Po, Py. Vein is subparallel to foliation.										
		117.15 M -- 20 cm qtz vein 60° to C.A. 30% qtz carbonate and 3-10% Po, Py in the vein. Vein is subparallel to foliation.										
		118.2 M -- 15 cm qtz vein 50° to C.A. Minor qtz carbonate and sulphides in vein.										
		119.7 M -- 5 cm qtz vein 60° to C.A. Trace sulphides and one speck of a soft silver coloured mineral.										
		120.03 - 129.1 M -- Trace qtz veining ≈ 4 cm total.										
		122.05 M -- 3 cm qtz vein 75° to C.A. Vein cuts foliation. Vein has 40% qtz carbonate and trace sulphides.										
		129.1 M -- 35 cm's of irregular qtz veins. This 35 cm zone is at 60° to C.A., however veins in the zone are irregular. There may be one vein with 25% phyllite inclusions or several very irregular veins. There is 40% qtz carbonate and 10-20% Po, Py in the veins, mainly in selvages or adjacent to phyllite inclusions.										
		129.45 - 144.50 M -- This section of phyllite has only one qtz vein which is located at 131.45 M. This 10 cm vein is at 60° to C.A. and cuts foliation which is about 75° to C.A. Vein has trace qtz carbonate Po, Py.										
		At 124.8 M, 126.6M and 127.3M there are 5 - 7 cm bands of gray tuff? Bedding is 85° to C.A. and subparallel to foliation.										
		137.5 M -- 35 cm unit of gray siliceous sediment or tuff?										
		From 138 - 140 M there are several 2-6 cm bands of siliceous sediment or										

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
22.55	164.9 M	Cont'd:						
		tuff. Bedding is 85° - 90° to C.A.						
		Foliation in the phyllite is still strong at 70°-90° to C.A. The phyllite has < 1% Po, Py mainly as disseminations.						
		143.95 - 164.6 M -- qtz vein zone with 3.19 meters of qtz veining (15.5% qtz)						
		Throughout this qtz vein zone there are a number of ≤ 5 cm bands of siliceous sediment to tuff. The phyllite has very strong carbonaceous development. The phyllite also has 2-3% Po, Py. The qtz veins are generally subparallel to foliation and are usually < 10 cm in width. Veins have 5-20% qtz carbonate and up to 10% Po, Py with occasional trace Cpy and sphalerite. Good sericite development is noted in a number of qtz veins. Veins may also have inclusions of phyllite.						
		143.95 M -- qtz vein 20° to C.A. and subparallel to foliation. Minor qtz carbonate and sulphides in vein.						
		145.55 M -- Folded 10-20 cm qtz vein down C.A. Vein has 5% qtz carbonate and 5-7% Po, Py with trace sphalerite.						
		146.05 M -- 10 cm qtz vein 60°-70° to C.A., and cuts foliation which is ≈ 80° to C.A. Vein has 5-10% qtz carbonate and 3-5% Po, Py.						
		146.95 M -- 12 cm qtz vein 40° to C.A. Vein has 3-5% qtz carbonate and 5% Po, Py in vein at selvage.						
		147.8 M -- Irregular 8 cm qtz vein with 20% qtz carbonate and minor Po, Py.						
		149.35 M -- 8 cm qtz vein 80° to C.A. Minor qtz carbonate and Py in veins.						
		152.0 M -- 7 cm qtz vein 70° to C.A. 5-7% qtz carbonate and 2-3% Po, Py.						
		153.6 - 156.1 M -- No qtz veining.						
		156.9 M -- 12 cm qtz vein 75-80° to C.A. 15% qtz carbonate and 5% Py in vein at lower selvage.						
		157.3 M -- 10-20 cm qtz vein 30° to C.A. There are only trace qtz carbonate and sulphides in vein.						
		157.65 M -- 1-3 cm qtz vein, wedge shaped. Vein is parallel to foliation. Vein has 10% Po and trace sphalerite.						
		159.25 M -- 11 cm qtz vein 80° to C.A. and parallel to foliation. 10% qtz carbonate and 5-10% Po, Py in vein.						
		162.7 M -- 10 cm qtz vein 60° to 80° to C.A. Minor qtz carbonate and Po in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
22.55	164.9 M	Cont'd:						
		163.1 M -- 9 cm qtz vein 70° to C.A. Good qtz carbonate and Po in vein.						
		164.5 M -- 12 cm qtz vein 75° to C.A. Vein cuts foliation. 20% qtz carbonate and 10% Po, Py and trace sphalerite in vein.						
		In the qtz vein zone 143.95 - 164.6 M there isn't any strong folding on a 10 cm to 100 cm scale. Bedding is 70°-85° to C.A., while foliation is 50-90° to C.A.						
164.9	174.5 M	Interbedded Black Banded Phyllite with short sections of Light to Medium gray Siliceous Sediment (Tuff).						
		In this section only trace knotted phyllite is noted. This section has only weak qtz veining at best. Foliation is strong at 70°-90° to C.A. and there is minor or secondary folding with weak crenulations. Bedding is 80°-90° to C.A. From 165 - 170 M fine disseminated $CaCO_3$ is present in the Phyllite and also occurs as stringers and veinlets at any angle to the C.A. in the phyllite.						
		171.1 M -- 35 cm of light greenish gray F/g Tuff? Unit is soft due to sericite development. Upper contact sharp at 75° to C.A. Unit has minor barren qtz veinlets and there is 3-5% Po, Py in the tuff.						
		Any knotted phyllite occurs usually as < 1 meter units.						
		165.5 M -- 15 cm light gray siliceous sediment. Bedding 85° to C.A.						
		171.8 M -- 10 cm unit of siliceous sediment. Bedding is at 45° to C.A. and maybe folded.						
		173.0 M -- 35 cm unit of F/g light gray siliceous sediment. Upper contact 60° to C.A. lower contact 85° to C.A. The unit is very siliceous almost chert.						
		The phyllite in the interval 164.9 - 174.5 M has 1-2% Po, Py with < 1% sulphides in many of the siliceous sections. Po in the phyllite usually occurs as streaks parallel to foliation.						
		Excluding a 33 cm qtz vein at 173.85 M there is only 20 cm of qtz veining in this interval. Veins are 2-5 cm in width and have minor qtz carbonate and Po, Py. An exception is at 171.95 M. A 2-3 cm qtz vein with 10-15% qtz carbonate and 10% Po, Py. Vein is at 45° to C.A. and cuts foliation.						
		173.85 M -- 33 cm qtz vein at 80° to C.A. Vein has 5% phyllite inclusions and 20-30% qtz carbonate and 10% Po, Py. Strong sericite is noted in the vein						
174.5	214.0 M	Black Knotted Phyllite with minor interbedded Black Phyllite to Black Banded Phyllite, and Minor Siliceous Sediment and Tuff.						
		Foliation is strong at 70°, 90° to C.A. Bedding where preserved is at 85°						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
174.5	214.0 M	Cont'd:						
		to C.A. The Phyllite is not deformed and only has weak qtz veining. There is only weak carbonaceous development except adjacent to some of qtz veins.						
		174.5 - 176.4 M -- 24 cm of qtz veining.						
		176.4 - 214.0 M -- 26 cm of qtz veining. Veins are parallel to or subparallel to foliation. Veins usually have only minor qtz carbonate and Po, Py.						
		The phyllite has < 1% Py and Po as disseminations.						
		178.7 - 178.9 M -- 20 cm of grayish green tuff. Sericitic. Unit is same as one at 171.1 M.						
		183.25 M - 184.6 M -- F/g Black Banded Phyllite.						
		176.4 M -- 2 cm qtz vein 50° to C.A. and cuts foliation.						
		176.85 M -- 8 cm qtz vein 50° to C.A. and cuts foliation.						
		177.15 M -- 10 cm qtz vein 75° to C.A. and parallel to foliation. All three qtz veins have minor qtz carbonate and Po, Py.						
		181.4 M - 186.95 M -- No qtz veining.						
		186.95 M -- 2-3 cm qtz vein 70° to C.A. and parallel to foliation. Minor qtz carbonate and trace sulphides in vein.						
		186.98 - 200.3 M -- No qtz veining.						
		189.35 M -- 5 cm gouge at 70° to C.A.						
		194.1 - 194.5 M -- Rough fracture at 0° to C.A.						
		200.3 - 200.5 M -- Three subparallel qtz veins. Veins are at 80° to C.A. and parallel to foliation. There is only minor qtz carbonate and trace Po, Py in the veins.						
		201.15 M -- 1.5 cm qtz vein 80° to C.A. and parallel to foliation. 10% qtz carbonate and 20% Po in vein.						
		Below 198 M the phyllite has a number of < 1 to 5 cm units of siliceous sediment.						
		To 200.5 M < 1% Po, Py in the Phyllite.						
		200.5 - 207.0 M -- 2-3% Po, Py in the Phyllite. The Po occurs as streaks and is probably more mobile.						
		At 207.2 - 207.9 M -- There are a number of 2-5 mm bands of siliceous sediment which are crenulated. Crenulations are 0 - 25° to C.A.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
174.5	214.0 M	Cont'd:						
		200.5 - 207.0 M -- Minor qtz veining with 1-2 cm of qtz veins per 1-2 meters. Veins have minor qtz carbonate and up to 2-5% Po, Py. Veins are generally subparallel to foliation, however they may be irregular in shape.						
		From 200.5 M there appears to be stronger carbonaceous development, however the qtz veining is still very weak.						
		210.5 - 212.55 M -- F/g Black Banded Phyllite.						
		211.8 - 212.2 M -- Strong folding of 4 - 6 mm siliceous bands interbedded with the phyllite.						
		210.25 M -- 3 cm qtz vein 80° to C.A. and parallel to foliation. Trace pyrite in vein.						
		211.15 M -- 6 cm and 3 cm qtz veins, 75° to C.A. Veins have minor qtz carbonate and Po, Py.						
		207 - 214 M -- 1.0-1.5% Py with minor Po in the Phyllite.						
214.0	239.9 M	F/g Black Banded Phyllite interbedded with Black Knotted Phyllite.						
		The K.P. has about 20% knots. Foliation is strong at 70°-90° to C.A. Short intervals have small scale folds developed. From 214.0 - 237 M there is moderate to strong carbonaceous development. The strongest is adjacent to qtz veins. At times it appears the carbonaceous development has partly destroyed or masked the knots in the phyllite. Below 220 M the carbonaceous development appears to get weaker.						
		214 - 219.6 M -- there is a qtz vein zone with 72 cm of qtz veining (12.9% qtz).						
		219.6 - 237.0 M -- weaker and sporadic qtz veining with good qtz veining for 50-100 cm intervals separated by 1-3 meter intervals with no qtz veins.						
		219.5 - 237.0 M -- 1.05 meters of qtz veining (6% qtz)						
		237 - 239.9 M -- only one 5 mm barren qtz vein.						
		214 - 219.7 M -- 4-7% Po, Py with Py being only minor. The Po occurs as streaks parallel to foliation.						
		219.7 - 224.6 M -- 2-3% Po, Py with Py being only minor.						
		224.6 - 231.1 M -- 4-5% Po, Py						
		231.1 - 235 M -- 1-3% Po, Py						
		235 - 239.9 M -- < 0.5% Po, Py.						
		214.1 M -- Folded 2-4 cm qtz vein. Fold axis 80° to C.A. Vein has 20% qtz carbonate and 20-30% Po, Py with Py being only minor.						
		215.0 M -- Folded 2-3 cm qtz vein with minor qtz carbonate and 20% Po, Py.						
		215.65 M -- 10 cm qtz vein 70° to C.A. Minor qtz carbonate and sulphides in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
214.0	239.9 M	Cont'd:						
		217.0 M -- 7 cm qtz vein 75° to C.A. 20% Po in veins.						
		217.3 M -- 1-3 cm qtz vein wedge shaped. Vein has minor qtz carbonate and 10-15% Po, Py.						
		217.4 M -- Folded 5-10 cm qtz vein upper contact 30° to C.A. Lower contact 75° to C.A. Vein has minor qtz carbonate and 10% Po, Py.						
		218.9 M -- 5 cm qtz vein 80° to C.A. Minor qtz carbonate and 10% Po, Py in vein.						
		219.6 - 222.35 M -- Minor qtz veining. 8 cm in total, as five veins.						
		222.35 M -- 8 cm qtz vein 60°-80° to C.A. Vein has minor qtz carbonate and sulphides in vein at selvage.						
		222.5 M -- Irregular and possibly folded 10 cm qtz vein with 2-4% Po, Py and trace qtz carbonate. Vein has 0° and 70° upper and lower contacts respectively.						
		222.6 - 224.6 M -- trace qtz veining.						
		224.8 M -- 1 cm qtz vein 80° to C.A. and parallel to foliation. 15-20% Po in vein.						
		225.05 - 228.9 M -- No qtz veining.						
		229.7 M -- 1-4 cm qtz vein wedge shaped. 5% qtz carbonate and 3-5% Po, Py.						
		230.6 M -- Irregular 2-5 cm qtz vein 75° to C.A. Vein is folded. 3-5% Po, Py and minor pale green sericite is in vein.						
		230.7 M -- 15 cm barren qtz vein.						
		230.9 M -- 4 cm qtz vein 70° to C.A. and subparallel to foliation. 10% Po, Py and minor qtz carbonate in vein.						
		231.8 M -- 15 cm qtz vein 60° to C.A. and subparallel to foliation. Vein has minor Po, Py.						
		232.5 - 234.8 M -- only one qtz vein and is a 1 cm qtz vein located at 233.2 M. Vein is at 80° to C.A. and has minor qtz carbonate and Po.						
		234.8 M -- 50 cm's with 60% qtz and 40% black carbonaceous phyllite. There is only minor qtz carbonate and Po, Py in the veins. Veins vary from 30° to 90° to C.A.						
		236.7 M -- 5 cm qtz vein 80° to C.A. Vein has 30% phyllite inclusions and trace qtz carbonate and sulphides.						

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. FBC 83-4 Page 13

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
214.0	239.9 M	Cont'd:						
		236.9 M -- folded 4 cm qtz vein. Fold axis 90° to C.A. 10% Qtz carbonate and trace sulphides in vein at selvage.						
		From 237.0 - 239.9 M -- Knotted phyllite with 20% knots. Only weak carbonaceous alteration. There is only one qtz vein. A 5 mm qtz vein 80° to C.A. and parallel to foliation. Vein is at 238.7 M and has trace qtz carbonate.						
	239.9	E.O.H.						

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

Page

PROPERTY FRASERGOLD	LATITUDE L 55 + 02 E	STARTED October 22, 1983
HOLE NO. FBC 83-5	DEPARTURE 3 + 77 S	FINISHED October 29, 1983
BEARING Az: 045°	ELEVATION 5200' (1585 M)	LENGTH 1407 ft. (428.9 M)
DIP-COLLAR -50°	SECTION	LOGGED BY P. Brown

DIP TEST

Footage	Corrected	Footage	Corrected	Footage	Corrected
61.0 M	- 49°	243.8 M	- 46°	426.7	- No Test
121.9 M	- 49°	304.8 M	- 43.5°		
182.9 M	- 47°	365.8 M	- No Test		

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization
0.0	3.0 M	Casing	
3.0	133.8 M	Black Knotted Phyllite (20-30% Knots) with lesser Black Banded Phyllite interbedded with Minor Siliceous Sediment to Tuff.	
		Foliation in the Phyllite is moderate to strong at 70°-90° to the C.A.	
		Down to 14.3 M there has been limonite developed in some of the knots in the Knotted Phyllite. 3.0 - 7.5 M there are 40-50% of the knots having limonite development. 7.5 - 14.3 M the percentage of limonitic knots gradually decreases to ≤ 10%. From 14.3 - 26.5 M there are only a few limonitic knots adjacent to fractures and weak limonite on some of the fractures. Knots vary in size from 2 - 8 mm and from oval to lenslike in shape.	
		Core recovery to 15 M is moderate. For location of core loss see RQD.	
		3.0 - 5.0 M -- No qtz veining.	
		5.0 - 5.25 M -- A qtz vein in broken core with minor limonite.	
		5.25 - 10.4 M -- No qtz veining.	
		10.4 - 16.3 M -- Qtz vein system with 120 cm of qtz veining (20.3% qtz). Many of the veins are broken, however most appear to be parallel to or subparallel to foliation. A few are at a low angle to the C.A. These qtz veins have up to 10% qtz carbonate and weak limonite or trace sulphides at best. Sericite is noted in many of the qtz veins.	
		15.4 - 18.5 M -- Black banded phyllite.	
		10.4 M -- 26 cm qtz vein. Broken contacts but 0° to C.A. Trace limonite in vein.	
		12.0 - 12.4 M -- Broken qtz vein with 20 cm of qtz which isn't broken. Strong limonite in vein.	
		13.9 M -- qtz vein 20° to C.A. 10% qtz carbonate and minor limonite in vein.	

SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)			RQD
W3294	3.0	4.5	1.5	.001			0.9 M ground
95	4.5	6.0	1.5	001			0.5 M ground
96	6.0	7.5	1.5	001			15 cm ground
97	7.5	9.0	1.5	.001			55
98	9.0	10.5	1.5	.001			
99	10.5	12	1.5	.001	20 cm	ground	48
W3300	12	13.5	1.5	.001	20 cm	ground	
01	13.5	15	1.5	.001	10 cm	ground	21
02	15	16.5	1.5	.001			
03	16.5	18	1.5	.001			12
04	18	19.5	1.5	.001			
05	19.5	21	1.5	.001			46
06	21	22.5	1.5	.001			
07	22.5	24	1.5	.001			12
08	24	25.5	1.5	.001			
09	25.5	27	1.5	.001			88
W3310	27	28.5	1.5	.001			
11	28.5	30	1.5	.001			92
12	30	31.5	1.5	.001			
13	31.5	33	1.5	.001			77
14	33	34.5	1.5	.001			
15	34.5	36	1.5	.001			59
16	36	37.5	1.5	.001			
17	37.5	39	1.5	.001			86
18	39	40.5	1.5	.001			
19	40.5	42	1.5	.001			81
W3320	42	43.5	1.5	.001			
21	43.5	45	1.5	.001			79
22	45	46.5	1.5	.001			
23	46.5	48	1.5	.001			100
24	48	49.5	1.5	.001			
25	49.5	51	1.5	.001			98
26	51	52.5	1.5	.001			
27	52.5	54	1.5	.001			97
28	54	55.5	1.5	.001			
29	55.5	57	1.5	.003			97
W3330	57	58.5	1.5	.002			

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD — PROPERTY: Frasergold — HOLE NO.: FBC 83-5 — Page 2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)			RQD
3.0	133.8 M	Cont'd:		W3331	58.5	60	1.5	.002			80
		14.75 - 14.95 M -- 20 cm qtz vein. Upper contact 30° to C.A. lower contact 75° to C.A. Minor qtz carbonate and limonite in vein.		32	60	61.5	1.5	.001			
				33	61.5	63	1.5	.001			79
				34	63	64.	1.5	.001			
		13.8 M -- Example of folding. Fold axis is 80° to C.A. Fold is on a 5 cm scale.		35	64.5	66	1.5	.001			95
				36	66	67.5	1.5	.001			
				37	67.5	69	1.5	.001			71
		16.3 - 23.0 M -- There is a weak qtz vein system with 49 cm of qtz (7.3%) 37 cm of this qtz is restricted to 3 veins.		38	69	70.5	1.5	.001			
				39	70.5	72	1.5	.001			37
				W3340	72	73.5	1.5	.001			
		16.75 M -- 20 cm's of medium gray banded Tuff? with weak knot development.		41	73.5	75	1.5	.001			92
				42	75	76.5	1.5	.001			
				43	76.5	78	1.5	.001			100
		17.6 M -- 2-6 cm wedge shaped qtz vein @ 50° to C.A. Trace qtz carbonate in vein.		44	78	79.5	1.5	.001			
				45	79.5	81	1.5	.001			83
				46	81	82.5	1.5	.001			
		18.2 M - 15 cm qtz vein 80° to C.A. 5-10% sericite and trace Py in vein.		47	82.5	84	1.5	.001			69
				48	84	85.5	1.5	.001			
		18.35 - 22.8 M -- No qtz veining.		49	85.5	87	1.5	.001			31
				W3350	87	88.5	1.5	.001			
		22.8 M -- 20 cm broken qtz vein 70° to C.A. Minor qtz carbonate in vein.		51	88.5	90	1.5	.001			32
				52	90	91.5	1.5	.001			
		23.0 - 30.35 M -- No qtz veining. The phyllite has moderate to strong carbonaceous development for 10-50 cm intervals.		53	91.5	93	1.5	.001			44
				54	93	94.5	1.5	.001			
				55	94.5	96	1.5	.001			80
		30.35 - 32.73 M -- qtz vein zone with 105 cm of qtz. (44% qtz) Most of the veins have white sericite associated.		56	96	97.5	1.5	.001			
				57	97.5	99	1.5	.001			93
				58	99	100.5	1.5	.008			
		30.35 M -- 25 cm qtz vein 80° to C.A. and parallel to foliation. Vein has 5% qtz carbonate and trace Py in vein at selvage. There is 3 - 5% green actinolite? in vein.		59	100.5	102	1.5	.001			100
				W3360	102	103.5	1.5	.002			
				61	103.5	105	1.5	.001			90
				62	105	106.5	1.5	.001			
		31.5 -- 25 cm qtz vein 30° to C.A. Minor qtz carbonate and trace Py in vein. Vein is subparallel to foliation.		63	106.5	108	1.5	.001			33
				64	108	109.5	1.5	.001			
				65	109.5	111	1.5	.001			66
		32.1 -- 35 cm qtz vein 70° to C.A. 5-7% qtz carbonate and trace Pyrite and actinolite in vein.		66	111	112.5	1.5	.001			
				67	112.5	114	1.5	.002			45
				68	114	115.5	1.5	.001			
		32.5 M -- 15 cm qtz vein upper contact 5° to C.A. Lower contact 90° to C.A. Trace qtz carbonate and Py in vein. Vein is probably folded.		69	115.5	117	1.5	.001			100
				W3370	117	118.5	1.5	.001			
				71	118.5	120	1.5	.001			97
		32.73 - 50.0 M -- Only a weak qtz vein system with 50 cm of qtz (2.9% qtz) Veins are often separated by several meters with no qtz veining.		72	120	121.5	1.5	.001			
				73	121.5	123	1.5	.001			100
				74	123	124.5	1.5	.001			
		35.4 M -- 3.5 cm qtz vein 30° to C.A. and parallel to foliation. 3-5% qtz carbonate and trace Py and minor limonite in the vein.		75	124.5	126	1.5	.002			97
				76	126	127.5	1.5	.029			
				77	127.5	129	1.5	.001			97
		36.5 - 38.5 M -- No qtz veining.		78	129	130.5	1.5	.001			
				79	130.5	132	1.5	.001			100
		38.5 M -- 20 cm qtz vein. Upper contact 45° to C.A., lower contact 75° to C.A. There is trace qtz carbonate and pyrite in vein at selvage.		W3380	132	133.5	1.5	.001			
				81	133.5	135	1.5	.001			95
				82	135	136.5	1.5	.001			

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)		ROD
3.0	133.8 M	Cont'd:		W3383	136.5	138	1.5	.001		97
				84	138	139.5	1.5	.001		
		38.7 - 41.75 M -- No qtz veining.		85	139.5	141	1.5	.001		92
				86	141	142.5	1.5	.001		
		There are a number of $\leq$ 1 cm bands of siliceous sediment interbedded with the K.P. Bedding cuts foliation from 0° to 15°.		87	142.5	144	1.5	.001		54
				88	144	145.5	1.5	.001		
				89	145.5	147	1.5	.001		98
		35.6 M -- 10 cm band of F/g light gray siliceous sediment folded on a 5 cm scale. Fold axis 90° to C.A.		W3390	147	148.5	1.5	.001		
				91	148.5	150	1.5	.001		95
				92	150	151.5	1.5	.001		
		41.75 M -- 5 cm qtz vein 75° to C.A. Minor qtz carbonate in vein at selvage.		93	151.5	153	1.5	.001		100
				94	153	154.5	1.5	.001		
		41.8 M - 44.8 M -- No qtz veining.		95	154.5	156	1.5	.001		63
				96	156	157.5	1.5	.001		
		44.8 - 45.1 M -- Minor qtz veining. At 45 M 2-4 cm qtz vein with offset movement. Minor qtz carbonate and trace Py and Po in vein. This is the first noted Po in FBC 83-5.		97	157.5	159	1.5	.001		73
				98	159	160.5	1.5	.001		
				99	160.5	162	1.5	.003		59
		45.1 - 50.0 M -- No qtz veining.		W3400	162	163.5	1.5	.001		
				01	163.5	165	1.5	.001		57
				02	165	166.5	1.5	.001		
		At 42.5 M -- 25 cm of K.P. with limonite development in most of the knots.		03	166.5	168	1.5	.001		92
				04	168	169.5	1.5	.010		
		50.1 M -- 15 cm qtz vein 80° to C.A. 5% qtz carbonate and trace pyrite in vein.		05	169.5	171	1.5	.001		75
				06	171	172.5	1.5	.002		
				07	172.5	174	1.5	.001		91
		50.45 M -- 36 cm qtz vein $\approx$60° to C.A., with 5% phyllite inclusions. 3-5% qtz carbonate and trace Py in vein.		08	174	175.5	1.5	.001		
				09	175.5	177	1.5	.001		93
				W3410	177	178.5	1.5	.001		
		50.35 M -- 3 cm band of F/g siliceous sediment at 80° to C.A.		11	178.5	180	1.5	.001		83
				12	180	181.5	1.5	.001		
		50.81 - 54.7 M -- No qtz veining.		13	181.5	183	1.5	.002		81
				14	183	184.5	1.5	.001		
		54.7 - 57.45 M -- Short qtz vein zone with 30 cm of qtz veining (10.9% qtz). Veins are generally subparallel to foliation and 30°-85° to C.A.		15	184.5	186	1.5	.001		58
				16	186	187.5	1.5	.001		
				17	187.5	189	1.5	.001		97
		At 57 M there is still only trace pyrite in the Phyllite.		18	189	190.5	1.5	.001		
				19	190.5	192	1.5	.001		93
		From 59 M to 65.3 M there is 10-15% F/g light gray siliceous sediment to tuff interbedded with the K.P. Bedding is 80°-90° to C.A. the siliceous sediment to tuff occurs as $\leq$ 2 mm to 10 cm bands.		W3420	192	193.5	1.5	.001		
				21	193.5	195	1.5	.001		88
				22	195	196.5	1.5	.001		
		57.45 - 63.73 M -- No qtz veining.		23	196.5	198	1.5	.001		100
				24	198	199.5	1.5	.001		
				25	199.5	201	1.5	.001		95
		54.95 M -- 3-5 cm qtz vein 30° to C.A. and parallel to foliation. Trace qtz carbonate in vein.		26	201	202.5	1.5	.001		
				27	202.5	204	1.5	.001		100
				28	204	205.5	1.5	.001		
		57.3 M -- Folded 5-6 cm qtz vein 60° to C.A. 5% qtz carbonate, minor sericite and trace Po, Py in the vein.		29	205.5	207	1.5	.001		93
				W3430	207	208.5	1.5	.001		
				31	208.5	210	1.5	.001		83
		From 65.3 - 67.8 M -- 25% of section is siliceous sediment to tuff. Bedding is at 80°-90° to C.A. Below 67.8 M there is only trace siliceous sediment and tuff in the K.P.		32	210	211.5	1.5	.001		
				33	211.5	213	1.5	.001		90
				34	213	214.5	1.5	.001		

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold HOLE NO. FBC 83-5 Page 4

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)		RQD
3.0	133.8 M	Cont'd:		W3435	214.5	216	1.5	.001		80
				36	216	217.5	1.5	.001		
		63.2 - 77.15 M -- there are only 1 - 2 cm of qtz veining per meter at best. Usually only minor qtz carbonate and sulphide are present in the veins. There are 22 cm of qtz veining (1.6% qtz).		37	217.5	219	1.5	.001		76
				38	219	220.5	1.5	.001		
				39	220.5	222	1.5	.002		93
		65.95 - 66.3 M -- unit of F/g Siliceous sediment with interbedded phyllite. Bedding is on a 1-2 mm scale.		W3440	222	223.5	1.5	.001		
				41	223.5	225	1.5	.001		88
				42	225	226.5	1.5	.001		
		64.3 - 67.25 M -- No qtz veining.		43	226.5	228	1.5	.001		76
				44	228	229.5	1.5	.002		
				45	229.5	231	1.5	.001		77
		67.35 - 67.65 M -- Fracture at 30° and one at 45° to C.A. Both have a thin limonite coating.		46	231	232.5	1.5	.001		
				47	232.5	234	1.5	.001		68
				48	234	235.5	1.5	.001		
		70.25 M -- 10 cm qtz vein at 80° to C.A. Vein is barren.		49	235.5	237	1.5	.001		33
				W3450	237	238.5	1.5	.002		
		72.9 M -- Three parallel qtz veins 2-5 mm in width, and at 45° to C.A. Veins are crenulated and are barren.		51	238.5	240	1.5	.002		53
				52	240	241.5	1.5	.003		
				53	241.5	243	1.5	.002		97
		71.4 - 71.9 M -- Broken Core.		54	243	244.5	1.5	.001		
				55	244.5	246	1.5	.001		100
		70.35 - 74.7 M -- Trace qtz veining as 1 - 5 mm veinlets at 72.9 M. These veinlets are folded.		56	246	247.5	1.5	.001		
				57	247.5	249	1.5	.001		98
				58	249	250.5	1.5	.001		
		74.9 M -- 5 cm qtz vein 60° to C.A. and subparallel to foliation. Trace qtz carbonate in vein.		59	250.5	252	1.5	.001		100
				W3460	252	253.5	1.5	.001		
				61	253.5	255	1.5	.001		90
		75.8 M -- 2 cm qtz vein. 75° to C.A. and parallel to foliation. 3-5% qtz carbonate in vein.		62	255	256.5	1.5	.001		
				63	256.5	258	1.5	.001		97
				64	258	259.5	1.5	.001		
		75.82 M - 77.15 M -- No qtz veining.		65	259.5	261	1.5	.001		90
				66	261	262.5	1.5	.001		
		77.15 - 92.5 M - qtz vein zone with 296 cm of qtz veining (19.3% qtz). Veins are up to 30 cm in size. The majority of the veins are either parallel to or subparallel to foliation. There is usually < 1% to 10% qtz carbonate and trace to 5-7% sulphides in these veins. Sericite is noted in many of the veins. A few veins have up to 20% qtz carbonate and ≤ the same amount of sulphides. There is usually a carbonaceous selvage associated with the veins.		67	262.5	264	1.5	.001		97
				68	264	265.5	1.5	.001		
				69	265.5	267	1.5	.001		63
				W3470	267	268.5	1.5	.024		
				71	268.5	270	1.5	.007		87
				72	270	271.5	1.5	.001		
				73	271.5	273	1.5	.007		47
				74	273	274.5	1.5	.001		
		From 77 M trace Po is noted in the Phyllite. Total sulphide content in the Phyllite to 85 M is 0.1-0.3% Py, Po.		75	274.5	276	1.5	.010		78
				76	276	277.5	1.5	.020		
				77	277.5	279	1.5	.110		57
		77.2 M -- 20 cm qtz vein 70° to C.A. Vein has 5% qtz carbonate and trace Po, Py.		78	279	280.5	1.5	.001		
				79	280.5	282	1.5	.002		89
				W3480	282	283.5	1.5	.020		
		78.0 M -- 18 cm qtz vein, 80° to C.A. 3-5% qtz carbonate and trace Po, Py.		81	283.5	285	1.5	.019		100
				82	285	286.5	1.5	.001		
		80.05 M -- 57 cm's with 42 cm's of qtz in three veins. Veins are ≈ 70° to C.A. and parallel to foliation. These veins have 3-5% qtz carbonate in vein at selvages and minor Po, Py.		83	286.5	288	1.5	.001		97
				84	288	289.5	1.5	.001		
				85	289.5	291	1.5	.001		97
				86	291	292.5	1.5	.002		

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PROPERTY Frasergold HOLE NO. FBC 83-5 Page 5

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/T)			800
3.0	133.8 M	Cont'd:		W3487	292.5	294	1.5	.002			69
				88	294	295.5	1.5	.002			
		81.95 M -- 2 cm qtz vein 40° to C.A. and parallel to foliation. Minor qtz carbonate, 5-7% Po, Py and trace Cpy in vein.		89	295.5	297	1.5	.001			47
				W3490	297	298.5	1.5	.001			
		82.0 M -- Irregular 5-8 cm qtz vein with 50% qtz carbonate and 30% Po, Py.		91	298.5	300	1.5	.022			75
				92	300	301.5	1.5	.002			
		82.3 M -- 3-5 cm qtz vein, folded. With minor qtz carbonate and 3-5% Po, Py and trace sphalerite and Cpy.		93	301.5	303	1.5	.003			47
				94	303	304.5	1.5	.001			
		84.4 M -- Broken 15 cm qtz vein with 5% qtz carbonate and trace Po, Py.		95	304.5	306	1.5	.015			59
				96	306	307.5	1.5	.002			
		84.7 M -- 27 cm qtz vein with 10% Phyllite inclusions. Vein is parallel to foliation and has minor qtz carbonate and Po, Py.		97	307.5	309	1.5	.087			56
				98	309	310.5	1.5	.010			
				99	310.5	312	1.5	.001			46
		Noted in a number of qtz veins from 77.05 - 85.0 M is pale green sericite? as well as the white variety.		W3500	312	313.5	1.5	.001			
				01	313.5	315	1.5	.001			21
				02	315	316.5	1.5	.001			
		78-82.3 M -- mainly black banded phyllite.		03	316.5	318	1.5	.001			84
				04	318	319.5	1.5	.001			
				05	319.5	321	1.5	.001			76
		84.6 - 85.2 M -- mainly black banded phyllite.		06	321	322.5	1.5	.001			
				07	322.5	324	1.5	.001			83
				08	324	325.5	1.5	.001			
		86.5 - 78.1 M -- broken qtz vein down C.A. Vein has 20% qtz carbonate at selvage in vein and 5-15% Po, Py. There are about 25% phyllite inclusions in the vein. Lower contact of vein is 30° to C.A.		09	325.5	327	1.5	.001			74
				W3510	327	328.5	1.5	.001			
				11	328.5	330	1.5	.001			70
				12	330	331.5	1.5	.001			
		87.17 M -- 47 cm qtz vein upper contact 80° to C.A. Lower contact 35° to C.A. 3-5% qtz carbonate and minor Po, Py in vein at selvage. Minor qtz carbonate is present in centre of vein. Trace Cpy is noted in vein.		13	331.5	333	1.5	.001			67
				14	333	334.5	1.5	.001			
				15	334.5	336	1.5	.001			100
				16	336	337.5	1.5	.001			
		91.35 M -- 20 cm of qtz veining. May be one vein with phyllite inclusions or several veins. Vein is at 80° to C.A. 3-5% qtz carbonate and minor sulphides in vein.		17	337.5	339	1.5	.001			73
				18	339	340.5	1.5	.001			
				19	340.5	342	1.5	.001			55
				W3520	342	343.5	1.5	.001			
		92.3 M -- 17 cm qtz vein 80° to C.A. Vein has minor qtz carbonate and trace sulphides in vein.		21	343.5	345	1.5	.001			63
				22	345	355.5	1.5	.001			
				23	355.5	348	1.5	.001			97
		The phyllite has stronger carbonaceous development adjacent to the qtz veins. Most of the veins are either parallel or subparallel to foliation. Foliation may be folded. Some of the qtz veins do cut foliation.		24	348	349.5	1.5	.001			
				25	349.5	351	1.5	.001			98
				26	351	352.5	1.5	.001			
				27	352.5	354	1.5	.001			93
		92.5 - 133.8 M -- A moderate qtz vein zone occurring as 2-5 meters of good qtz veining separated by several meter with no or trace qtz veining.		28	354	355.5	1.5	.001			
				29	355.5	357	1.5	.001			69
				W3530	357	358.5	1.5	.001			
		92.5 - 133.8 M -- there is 330 cm of qtz (8.0% qtz).		31	358.5	360	1.5	.001			97
				32	360	361.5	1.5	.001			
		From 94.75 - 96.7 M -- Trace qtz veining.		33	361.5	363	1.5	.001			72
				34	363	364.5	1.5	.001			
				35	364.5	366	1.5	.001			70
		98.8 M -- 45 cm qtz vein upper contact 45° to C.A. Vein has trace qtz carbonate and sulphides. There are irregular 3-5 cm qtz veins above and below the 45 cm qtz vein. These veins have ~~a~~ 20% qtz carbonate in vein at selvage.		36	366	367.5	1.5	.001			
				37	367.5	369	1.5	.001			86
				38	369	370.5	1.5	.002	370.5-372.M --		10 cm grou

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE (Meters) From	To	Length	ASSAYS Au(oz/t)			RQD
3.0	133.8 M	Cont'd:		W3539	370.5	372	1.5	.001			56
				W3540	372	373.5	1.5	.001	373.5-375 M --		10 cm grounds
		101.4 M -- 27 cm unit of siliceous sediment. Lower contact sharp at 85° to C.A.		41	373.5	375	1.5	.001			25
				42	375	376.5	1.5	.001			
		100.72 M -- 6 cm qtz vein 60° to C.A. and subparallel to foliation. Minor qtz carbonate and trace sulphides in vein.		43	376.5	378	1.5	.001			36
				44	378	379.5	1.5	.001			
				45	379.5	381	1.5	.001			75
		100.79 M to 103.35 M -- trace qtz veining.		46	381	382.5	1.5	.001			
				47	382.5	384	1.5	.001			45
				48	384	385.5	1.5	.001			
		103.35 M -- 12 cm qtz vein at 80° to C.A. Trace qtz carbonate in vein.		49	385.5	387	1.5	.001			67
				W3550	387	388.5	1.5	.001			
		103.47 - 111.8 M -- Minor qtz veining with 2-3 cm of qtz per meter. Veins are subparallel to foliation and have trace qtz carbonate and sulphides at best.		51	388.5	390	1.5	.001			78
				52	390	391.5	1.5	.001			
				53	391.5	393	1.5	.001			81
				54	393	394.5	1.5	.001			
		106.3 M -- 108.5 M -- Black banded Phyllite.		55	394.5	396	1.5	.001			50
				56	396	397.5	1.5	.001	397.5-399 M --		20 cm grounds
		From 109.5 - 114.4 M ≤ 15% F/g light gray siliceous sediment to siliceous tuff interbedded with the phyllite. Bedding is at 80°-90° to C.A. Units of siliceous sediment vary in size from < 5 mm to 10 cm. Foliation is sub-parallel to bedding ± 0°-10°. There are weak crenulations noted in the siliceous sediment.		57	397.5	399	1.5	.001			30
				58	399	400.5	1.5	.001			
				59	400.5	402	1.5	.001			68
				W3560	402	403.5	1.5	.001			
				61	403	405	1.5	.001			52
		111.8 - 113.25 M -- 49 cm of qtz veining.		62	405	406.5	1.5	.001			
				63	406.5	408	1.5	.001			56
				64	408	409.5	1.5	.001			
		111.8 M -- 8 cm qtz vein 60° to C.A. Minor qtz carbonate and sulphides in vein.		65	409.5	411	1.5	.001			55
				66	411	412.5	1.5	.001			
				67	412.5	414	1.5	.001			60
		112.2 M -- 16 cm qtz vein 75° to C.A. 5% qtz carbonate and minor Po, Py in vein.		68	414	415.5	1.5	.001			
				69	415.5	417	1.5	.001			47
				W3570	417	418.5	1.5	.001			
		112.5 M -- qtz vein folded and at 0° to C.A. Minor qtz carbonate and sulphides in vein. Vein has 10-20% phyllite inclusions.		71	418.5	420	1.5	.001			68
				72	420	421.5	1.5	.001			
				73	421.5	423	1.5	.001			70
		113.1 M -- 15 cm qtz vein. Upper and lower contacts convergent and at 50° to C.A. 5-7% qtz carbonate and minor sulphides in vein. Vein is parallel to foliation.		74	423	424.5	1.5	.001			
				75	424.5	426	1.5	.001			35
				76	426	427.5	1.5	.001			
		113.25 - 121.55 M -- Only trace qtz veining.		W3577	427.5	428.9	1.4	.001			86
		117.5 M -- Irregular and folded 5 cm qtz vein with F/g bedded siliceous tuff? Vein is parallel to bedding at lower contact. Vein has 10% qtz carbonate and 20% Po, Py.									
		Below 114.4 M there is 1-3% siliceous sediment to siliceous tuff occurring as < 2 mm to 10 mm bands in the knotted phyllite. Bedding is subparallel to foliation at 70°-90° to C.A.									
		3.0 - 112 M -- only trace Py, Po ≈ 0.1 - 0.3% in the phyllite.									
		112 M to 124.0 M -- up to 0.5% Po, Py in the Phyllite.									

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
3.0	133.8 M	Cont'd:						
		121.55 - 133.8 M -- Good qtz vein zone with 2.1 meters of qtz veining (17.1 % qtz). Veins vary in size from <1 cm to 35 cm. Most veins are 3-10 cm in width. Veins have up to 30% qtz carbonate, usually however it is less than 10%. There is 3-5% Po, Py in most of the veins with a few having greater than 10% Po, Py. Veins are generally parallel to or sub-parallel to foliation. From 126.8 M to 133.8 M foliation is quite variable and often strongly folded.						
		From 124.0 - 133.8 M -- there is mainly black banded phyllite which is strongly carbonaceous with 10-20% gray siliceous sediment to tuff. Bedding when not folded is at 70°-90° to C.A. Often it is strongly folded. There is only minor knotted phyllite in the last 9.8 M of this section.						
		There is trace Cpy and sphalerite noted in the qtz veins at 121.9 and 122.6M Trace Galena is noted in a qtz vein at 124.6 M.						
		122.35 M -- 2-4 cm qtz vein 70° to C.A. Vein has about 10-20% qtz carbonate and trace Po, Py and trace Cpy and Sphalerite.						
		125.1 M -- 25 cm of strongly folded black phyllite with qtz veining. Only trace qtz carbonate and sulphides are associated.						
		127.1 M -- 30 cm qtz vein with 10-20% qtz carbonate and 10% Po, Py.						
		127.75 M -- 40 cm qtz vein with irregular contacts. Vein has trace qtz carbonate and sulphides.						
		128.75 M -- Folded 15 cm qtz vein. Lower contact 5° to C.A. Vein has 10-15% qtz carbonate & 5-7% Py, Po.						
		From 124.0 - 133.8 M there is an increase in the sulphide content to 2-4%.						
		132.25 M -- 5 cm qtz vein 70° to C.A. Minor qtz carbonate in vein.						
		133.55 M -- 14 cm qtz vein with 20% Phyllite inclusions. Minor qtz carbonate and sulphides in vein.						
		The lower contact of this unit is in a qtz vein.						
133.8	163.4 M	F/g Light to Medium Gray Siliceous Sediment to Siliceous tuff to Chert, and Minor Knotted Phyllite.						
		Bedding in this unit is well preserved and is at 65° to 90° to C.A. The units being called a siliceous tuff are a darker gray and slightly softer than the siliceous sediment. There appears to be weak sericite alteration in this siliceous tuff. There is a weak foliation which is better preserved in the K.P. and is 70-90° to C.A. There is only very weak qtz veining in this section. Veins are at various angles to C.A. and can be seen cutting bedding. Veins have only trace Py at best. The siliceous sediment has only trace Py with only slightly higher content of sulphides in the K.P.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
133.8	163.4M	Cont'd:						
		Total sulphide content appears to be < 0.2%.						
		133.8 - 135.15 M -- Siliceous sediment with the last 15 cm being chert.						
		135.15 - 137.85 M -- Interbedded siliceous sediment and K.P. Lower contact sharp at 85° to C.A.						
		137.85 - 138.7 M -- Siliceous sediment to siliceous tuff.						
		138.7 - 139.3 M -- Siliceous tuff and K.P.						
		139.3 - 144.3 M -- Siliceous tuff and siliceous sediment.						
		144.3 - 145.7 M -- K.P. and siliceous sediment interbedded.						
		145.7 - 146.35 M -- Siliceous sediment to siliceous tuff.						
		146.35 - 161.9 M -- Siliceous sediment, siliceous tuff and minor chert interbedded with K.P. There is about 30-35% K.P. in this interval. The units varies from <1 cm to 50 cm for the K.P. The siliceous sediment is usually thinly bedded. Bedding varies from 60°-90° to C.A. and may represent folding.						
		161.9 - 163.4 M -- Siliceous sediment.						
		142.1 M - 6 cm qtz vein 80° to C.A. Vein cuts bedding at 5°. Vein has trace Py.						
		137.8 - 163.4 M -- 40 cm of qtz veining (1.5% qtz).						
		133.8 - 147.5 M -- trace qtz veining at 138.1 M.						
		The chert at 135.0 - 135.15 M has light to dark banding on a 5 mm scale. It doesn't appear to be bedding.						
		At 148.0 M a contact between siliceous sediment and K.P. is at 70° to C.A.						
		149.05 M -- 2-3 cm qtz vein 90° to C.A. Vein has 3-5% qtz carbonate and trace sulphides.						
		151.7 M -- 1-2 cm qtz vein 30° to C.A. and cuts bedding. Vein has minor offset movement. Vein has trace qtz carbonate.						
		153.5 M -- Fracture 5° to C.A. Fracture has an irregular surface.						
		154.1 - 156.0 M -- No qtz veining.						
		157.05 M -- 3-5 cm qtz vein 20° to C.A. Vein is barren.						
		159.1 M -- 5 cm qtz vein 60° to C.A. and cuts bedding which is at 80° to						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
133.8	163.4 M	Cont'd:						
		C.A. Vein has 2-5% qtz carbonate and 2-4% Py and trace Po.						
		133.8 - 163.4 M -- Trace Py in the siliceous sediment with only slightly higher sulphides in the phyllite.						
163.4	243.55 M	Black Knotted Phyllite ≈ 30% Knots.						
		Foliation is sharp at 70-90° to C.A. Knots are up to 2-7 mm in size and round to oval in shape. A few have an irregular shape. The phyllite has only trace Py.						
		For the first 1.4 M there is 10-15% siliceous sediment interbedded with the phyllite at < 10 cm bands. Below 164.8 M there is minor siliceous sediment < 5%. Bedding is 65° to 80° to C.A. Foliation cuts bedding.						
		163.6 M -- 5-7 cm qtz vein. Upper contact 90° to C.A. Lower contact 20° to C.A. Vein is barren.						
		163.7 - 168.15 M -- No qtz veining.						
		Noted in several of the siliceous bands is weak to moderate crenulations. Although most siliceous units are only < 1 to 10 cm, a few are up to 30 cm in width.						
		174.55 M -- 28 cm band of siliceous sediment. Lower contact sharp at 75° to C.A. Within this unit of siliceous sediment is a fold on a 10-15 cm scale with crenulations.						
		168.15 M -- 48 cm qtz vein 75° to C.A. Unit has 5% qtz carbonate and trace sulphides, in vein at selvage. Vein looks similar to one containing V.G. in hole FBC 83-1 at 106.9 M.						
		168.8 M -- 10 cm band of qtz carbonate at 70° to C.A. The carbonate has minor Po, Py associated.						
		169.25 M to 181.9 M -- only trace qtz veining.						
		169.2 M -- folded and irregular 1 cm qtz vein with 20% qtz carbonate in vein selvage and 10% Po, Py. Vein is at 30° to C.A. and parallel to foliation.						
		177.52 M -- 2-5 cm qtz vein 70° to C.A. Trace qtz carbonate and sulphides in vein.						
		177.57 M - 181.9 M -- No qtz veining.						
		181.9 - 185.03 M -- A qtz vein zone with 51 cm of qtz (16.3%)						
		The qtz veining is generally subparallel to foliation ± 10°. Veins have 5-20% qtz carbonate and up to 10% Po, Py. Veins vary in size up to 15 cm.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
163.4	243.55 M	Cont'd:						
		There are usually strong carbonaceous development in the Phyllite as selvages to the veins. Trace dolomite is noted in many of the veins.						
		182.0 M -- 12 cm qtz vein 60° to C.A. and cuts foliation. Vein has 15% qtz carbonate, 5% Po, Py and trace Cpy.						
		182.55 M -- Irregular 15 cm qtz vein. Possibly folded. Vein has 20% qtz carbonate and 5-10% Po, Py.						
		183.65 M -- 6 cm qtz vein 70° to C.A. and parallel to foliation. Vein has trace qtz carbonate and sulphides.						
		184.75 M -- 10 cm qtz vein. Lower contact 85° to C.A. Minor qtz carbonate and Po, Py in vein.						
		185.0 M -- 1-3 cm qtz vein 70° to C.A. and cuts foliation. Vein has 30% qtz carbonate and trace Po, Py.						
		185.03 M - 197.3 M -- No qtz veining.						
		192.2 M -- Fracture 10° to C.A.						
		197.3 M -- qtz vein at 0° to C.A. for 10 cm. Vein cuts foliation. There is trace qtz carbonate and po, py in vein. Vein occupies only 20% of core, and is on core surface.						
		197.4 - 199.4 M -- 1 cm barren qtz vein at 40° to C.A. Vein is at 198.9 M.						
		199.45 M -- 1-2 cm fragment of qtz in the phyllite. Qtz carbonate occurs as a 2-3 mm selvage in fragment.						
		199.55 M -- Folded 2-4 cm qtz vein. Fold is 0° to C.A. for 14 cm. Trace qtz carbonate and sulphides in vein.						
		199.95 M -- 1 cm qtz vein 70° to C.A. 50% qtz carbonate and trace Po in vein.						
		199.96 - 203.9M -- No qtz veining.						
		203.9 M -- 5 mm irregular qtz vein with trace qtz carbonate.						
		203.91 - 213.95 M -- No qtz veining.						
		163.4 - 206 M -- only trace Po, Py in the phyllite.						
		213.95 M -- 23 cm qtz vein. Upper contact 40° to C.A. Lower contact 80° to C.A. Vein has 10-15% phyllite inclusions, 5% qtz carbonate and trace sulphides.						
		214.18 - 217.36 M -- No qtz veining.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
163.4	243.55 M	Cont'd:						
		217.36 M -- 10 cm qtz vein 80° to C.A. and parallel to foliation. 3-5% qtz carbonate and 2-3% Po, Py in vein.						
		217.46 M - 218.0 M -- No qtz veining.						
		218.0 M -- 16 cm qtz vein 50° to C.A. Trace qtz carbonate and sulphides in veins.						
		218.16 - 243.55 M -- Only trace qtz veining.						
		From 218 M there is an increasing amount of siliceous sediment to tuff? interbedded with the phyllite. Bedding is 80°-90° to C.A. and subparallel to foliation. Units are usually <10 cm, however units up to 30 cm are present.						
		218.5 M -- 10 cm band of siliceous sediment, moderate sericite development.						
		219.6 M -- Irregular wedge shaped 2-5 mm qtz vein. Vein has 20% qtz carbonate and 5% Po, Py and trace galena.						
		220.85 M -- 6 cm qtz vein 50° to C.A. Lower contact 90° to C.A. Vein has 7-10% qtz carbonate and 3-5% Po, Py.						
		223.2 M -- 25 cm siliceous sediment unit with 1-5 mm bands of K.P. interbedded. Bedding is at 85° to C.A. and parallel to 5° to foliation.						
		225.4 M -- Folded 5-10 cm qtz vein, at 30° to C.A. with converging boundaries. Vein is parallel to foliation at lower contact. There is trace qtz carbonate and sulphides in vein.						
		229.3 M -- 1-3 cm qtz vein 70° to C.A. and cuts foliation at 10°. Vein has minor qtz carbonate and trace sulphides in vein at selvage.						
		230.68 - 230.9 M -- Four subparallel qtz veins at 60°-75° to C.A. Veins are subparallel to foliation. Veins are 1-3 cm in width, and contain 10-30% qtz carbonate and 5-15% Po, Py.						
		230.9 - 243.55 M -- < 5 cm of qtz veining. Veins are 2-5 mm in width and have trace qtz carbonate. Below 232.5 M there is an increase in the percentage of siliceous sediment to tuff interbedded with the phyllite. 232.5 - 234 M ≤ 30-40% siliceous sediment to tuff.						
		234.0 - 235.2 M -- Mainly K.P.						
		235.7 - 238.85 M -- ≤ 70% siliceous sediment to tuff, interbedded with black banded phyllite and minor K.P. Bedding is at 85°-90° to C.A.						
		238.85 - 243.55 M -- K.P. and 20% -30% siliceous sediment to tuff interbedded.						
		163.4 - 243.55 M -- There is only trace sulphides in the phyllite.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
243.55	267.15 M	F/g Black Banded Phyllite Interbedded with F/g Medium Gray Siliceous Sediment to Tuff and Minor Knotted Phyllite.						
		To 264 M there is about 20% siliceous sediment to tuff and 5-15% knotted phyllite. This section has an increase in the sulphide content to 2-4% with the strongest concentration in the banded phyllite. The siliceous sediment to tuff units have < 1% sulphides. The sulphides occur as bands and streaks parallel to foliation and as irregular blebs.						
		This section has a good qtz vein zone from 243.55 - 264 M. There is strong carbonaceous development occurring in the phyllite as selvages to qtz veins. Foliation is generally 70°-90° to the C.A. and many of the veins are subparallel to foliation. Foliation can be seen folding around qtz veins. Bedding is preserved in the siliceous sediment and is usually ≈ 80° to the C.A. However folding is occasionally noted.						
		243.55 - 267.35 M -- ≈ 3.66 meters of qtz veining (15.4% qtz) veins have up to 20% qtz carbonate and up to 10% Po, Py. There are a number of < 1 cm qtz veins which display crenulations.						
		244.15 M -- 64 cm qtz vein 75° to C.A. Vein has abundant qtz carbonate and Po, Py as a 3 cm selvage at either end of vein. Rest of vein is barren.						
		246.25 M -- 1-3 cm qtz vein 0° to C.A. for 18 cm. Vein is subparallel to foliation. Minor qtz carbonate and 2-3% Po, Py in the vein.						
		246.55 M -- Irregular 2-4 cm qtz vein 0° to C.A. and folded. Vein has minor qtz carbonate and sulphides. There is 5% stringer Po, Py in the Phyllite adjacent to the vein.						
		246.95 M -- 20 cm qtz vein 60° to C.A. and parallel to foliation. 5-10% qtz carbonate and 3-5% Po, Py in vein.						
		248.85 M -- 1-4 cm qtz vein 80° to C.A. 40% qtz carbonate and minor sulphides in vein.						
		250.95 M -- 11 cm qtz vein 75° to C.A. Vein has 10-20% Phyllite inclusions. There is 3-5% qtz carbonate and 1-2% Po, Py in vein.						
		Noted in many of the veins in this zone is F/g white sericite.						
		246.1 - 248.9 M -- the phyllite is moderately folded.						
		248.9 M - 258.4 M ≈ 40% siliceous sediment and or tuff. Bedding is generally 70°-90° to C.A. There is < 1% Po, Py in the siliceous sediment sections.						
		256.55 M -- 40 cm qtz vein 75° to C.A. Vein is barren.						
		257.75 M -- 20 cm qtz vein 45° to C.A. and parallel to foliation. 5-7% qtz carbonate and 2-3% Po, Py in vein.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
243.55	267.15M	Cont'd:						
		260.1 - 261.0 M -- Folded qtz vein or veins. Veins at 0° to 65° to C.A. The 90 cm has ≈ 70% qtz with 30% Phyllite as fragments between veins. Veins have 20% qtz carbonate and 10-15% Po, Py.						
		262.5 M -- 15 cm qtz vein. Upper contact 70° and Lower contact 30° to C.A. Vein has 5% qtz carbonate and 3-5% Po, Py.						
		263.05 M -- 20 cm qtz vein 65° to C.A. Vein has minor qtz carbonate and sulphides.						
		264.03 - 264.3 M -- K.P. with 15% knots.						
		264.3 - 267.15 M -- Mixed banded phyllite, siliceous sediment and K.P.						
		264.35 M -- 20 cm qtz vein with irregular contacts. Vein has trace qtz carbonate and sulphides.						
		265.0 M -- Folded 5-10 cm qtz vein down C.A. Lower contact 80° to C.A. 5-7% qtz carbonate and 3-5% Po, Py in vein.						
		265.65 M -- 2-5 cm qtz vein 70° to C.A. 2-4% qtz carbonate and 5-7% Po in vein.						
		266.65 M -- 6 cm qtz vein 75° to C.A. 5% qtz carbonate in vein.						
		267.1 M -- 2-3 cm qtz vein 70° to C.A. Trace sulphides in vein.						
		243.55 - 267.15 M -- upto 2-3% Po, Py in the Phyllite.						
267.15	330.7 M	Interbedded Black Banded Phyllite, Knotted Phyllite, with 5-15% Gray Siliceous Sediment to Tuff.						
		There appears to be about equal amounts of Knotted Phyllite and Banded Phyllite. There is often strong carbonaceous development in this section.						
		There is varying amounts of Po, Py present in this section.						
		267.15 - 271 M -- 2-4% Po, Py as stringers parallel to foliation.						
		Foliation is strong at 70°-90° to C.A. Bedding is about 80°-85° to C.A.						
		267.15 - 267.4 M --F/g gray siliceous sediment. In the K.P. the knots vary in size from 2-8 mm, and often are oval shaped. A few are irregular shaped. Some of the knots have been rotated at an angle to foliation. The percentage of knots varies from 5-20%.						
		Folding of the foliation is noted in some of the siliceous sections.						
		273.2 - 273.8 M -- Folding in siliceous sediment interbedded with K.P. Folds are on a 10-20 cm scale. Folds are weakly crenulated.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
267.15	330.7 M	Cont'd:						
		274.9 M -- 7 cm qtz vein 80° to C.A. Vein has a 1 cm band of sericite, qtz carbonate and Po, Py in lower third.						
		275.15 M -- 10 cm qtz vein 70° to C.A. 3-5% qtz carbonate and 1-2% Po, Py in vein. Trace sphalerite is noted in vein.						
		267.4 - 269.6 M -- mainly knotted phyllite (10-15% Knots).						
		269.6 - 271.7 M -- mainly carbonaceous black banded phyllite.						
		271.7 - 285.6 M -- Knotted phyllite with 10-15% interbedded siliceous sediment to tuff. The siliceous units appear to be sericitic. They occur in < 1 cm - 10 cm bands. Folding in the siliceous sediment is noted at 273.2 - 273.8 M.						
		277.6 - 286.3 M -- qtz vein zone with 1.51 meters of veining (17.4% qtz). The qtz veins are large up to 45 cm with up to 1-3 meters between veins. Veins are parallel to or subparallel to foliation. Foliation can be seen to curve around veins. There is strong carbonaceous development in the phyllite adjacent to the veins. Moderate white sericite is noted in many of the qtz veins.						
		277.6 M - 10 cm qtz vein with converging contact at 50° to C.A. and parallel to foliation. 3-5% qtz carbonate and 5% Po, Py and trace sphalerite in vein.						
		278.35 M -- 12 cm qtz vein. Upper contact 70° to C.A. Lower contact 50° to C.A. 5-7% qtz carbonate and 3-5% Po, Py in vein.						
		279.6 M -- 45 cm qtz vein. Upper contact 50° to C.A. Lower contact 80° to C.A. Vein has 5% qtz carbonate and 2-3% Po, Py.						
		280.4 M -- 8 cm qtz vein 90° to C.A. Trace Po, Py and qtz carbonate in vein.						
		280.5 M -- 25 cm's with one or more folded qtz veins. Veins are 1-3 cms in width and vary from 30°-80° to C.A. At 280.5 M there are crosscutting qtz veins. Both are 40-45° to C.A. and intersect at ≤ 90°. Both have minor Po, Py and qtz carbonate. The phyllite between veins is strongly carbonaceous.						
		282.45 M -- 5 cm qtz vein. Upper contact 35° to C.A. and Lower Contact 80° to C.A. 3-5% qtz carbonate and minor Po, Py in vein.						
		285.2 M -- 1-2 cm qtz vein 40° to C.A. and subparallel to foliation. Minor qtz carbonate and Po, Py in vein.						
		285.9 M -- 40 cm qtz vein at 45°-50° to C.A. and parallel to foliation. 3-5% qtz carbonate and minor Po, Py in vein, mainly at selvage of vein.						
		285.6 - 287.6 M -- Dark Gray siliceous sediment to tuff. Unit appears sericitic. Bedding is at 80° to C.A.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
267.15	330.7 M	Cont'd:						
		287.6 - 298.7 M -- Knotted Phyllite (10-15% Knots) and 5-10% siliceous sediment interbedded.						
		271-284.7 M -- <2% Po. Py in the Phyllite.						
		284.7 - 285.6 M -- 2-3% Po. Py as stringers parallel to foliation in the phyllite.						
		286.3 - 312.8 M -- only trace qtz veining.						
		297.3 - 297.8 M -- F/g Dark Gray Siliceous sediment.						
		288.35 M -- 5mm to 1.5 cm qtz vein 70° to C.A. There is trace qtz carbonate and Po. Py in vein.						
		288.37 - 296.2 M -- No qtz veining.						
		296.2 M -- 1 - 1.5 cm qtz vein. 40° to C.A. and cuts foliation. Trace Po. Py and qtz carbonate in vein.						
		296.22 - 302.8 M -- No qtz veining.						
		285.6 - 298.8 M -- < 2% Po. Py in the Phyllite.						
		298.8 - 301.6 M -- 2-3% Po. Py in the knotted phyllite as stringers parallel to foliation.						
		298.7 - 301.6 M -- Black Banded Phyllite.						
		301.6 - 309.5 M -- Mainly weakly knotted phyllite (10-15% knots) Knots are up to 1 cm in size and subrounded.						
		302. M -- Foliation is at 60° to C.A.						
		309.5 - 315.4 M -- Interbedded F/g Black Banded Phyllite and siliceous sediment to tuff. Bedding is at 75° to C.A.						
		302.8 M -- 3 cm qtz vein 60° to C.A. and parallel to foliation. Trace qtz carbonate and sulphides in vein.						
		302.83 - 306.4 M -- No qtz veining.						
		306.4 - 308.7 M -- 3 cm of qtz veining in four veins. Veins are subparallel to foliation and have trace qtz carbonate and sulphides.						
		308.7 - 312.8 M -- Trace qtz veining at 310.1 M. 2 cm of qtz veining with trace qtz carbonate and sulphides.						
		312.8 - 324.7 M -- Moderate qtz vein with 76 cm of veins. (6.4% qtz). The qtz veins are parallel to or subparallel to foliation with strong carbonaceous development in the phyllite adjacent to veins. Foliation is generally 70°-80° to C.A.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
267.35	330.7M	Cont'd:						
		315.4 -- 320.4 M -- Mainly weakly knotted phyllite with 3-5% siliceous sediment. The siliceous sediment occur in < 1 cm to bands.						
		312.8 M -- 6 cm qtz vein 70° to C.A. and parallel to foliation. 2-3% qtz carbonate and minor Po, Py in the vein.						
		313.2 M -- 27 cm qtz vein with 1 cm band of phyllite. Vein is at 80° to C.A. Vein has 2-4% qtz carbonate and 3-5% sulphides.						
		314.4 M -- 6 cm qtz vein 70° to C.A. Minor qtz carbonate and 2-3% pyrite in the vein.						
		315.35 M -- 5 cm qtz vein 80° to C.A. Vein has 30% Phyllite as an inclusion. There is only trace qtz carbonate and Py in the vein.						
		315.4 - 319.1 M -- Weak qtz veining.						
		319.3 M -- 7 cm qtz vein 85° to C.A. Vein is void of sulphides and qtz carbonate.						
		320.65 M -- 2-5 cm qtz vein. 60° to C.A. Vein has 5-7% qtz carbonate and 2-3% Py.						
		320.85 M -- 5 cm qtz vein 70° to C.A. Minor qtz carbonate and sulphides in vein.						
		301.6 - 309.5 M -- Minor sulphides in the phyllite. 309.5 - 314.1 M -- 2-4 % Po, Py in the Phyllite. 314.1 - 328.0 M -- < 1% Po, Py in the Phyllite. 328.0 - 330.7 M -- 2-4% Po, Py in the Phyllite.						
		321.5 M -- 8 cm qtz vein 85° to C.A. 5-7% qtz carbonate and 1-2% Po, Py in the vein.						
		320.4 - 330.7 M -- Black banded phyllite interbedded with Siliceous Sediment (sericitic) and lesser knotted phyllite.						
		324.1 M -- 6 cm qtz vein, 70° to C.A. Vein has minor qtz carbonate and sulphides.						
		324.2 M -- 330.7 M -- there is only minor qtz veining. Veins are usually 1-6 mm in width and parallel to foliation. There is only trace qtz carbonate and sulphides associated. Veins are pinched and swelled or folded.						
330.7	333.3 M	F/g Light Gray Siliceous Sediment (Sericitic)						
		Unit is folded with 10 - 15 cm scale folds. There are 25 cm's of qtz veining in this section. Veins are milky white, contain $CaCO_3$ and only trace sulphides at best. Bedding is preserved in this unit and is usually 80° to C.A., however folding has varied the angle to 20° to C.A. Lower contact is						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
330.7	333.3 M	Cont'd:						
		60° to C.A. Folds in this unit are weakly crenulated. The siliceous sediment appears to be moderately sericitic. This unit has 1-3% Py and Po (only minor Po) as bands parallel to bedding and as disseminations.						
333.3	345.8 M	F/g Dark Gray to Black Banded Phyllite Interbedded with Gray Siliceous Sediment.						
		This unit has intervals with F/g disseminated $CaCO_3$. It is first noted at 335 M. Bedding in this section is well developed at 70° to C.A. Occasionally the bedding is folded. Irregular lenses of qtz and or carbonate parallel to foliation are distributed throughout the phyllite.						
		The contacts between the siliceous sediment and phyllite are sharp. The siliceous sediment occurs in bands from $\leq$ 1 cm to 50 cm. There is moderate qtz veining in this section. Most veins are milky white and contain $CaCO_3$. There is only trace qtz carbonate or sulphides in most of the veins.						
		336.8 M -- 10.20 cm qtz vein. Upper contact 70° to C.A. and lower contact 10° to C.A. Lower contact cuts foliation. Vein has minor Po, Py and sericite and 30% white $CaCO_3$.						
		There is 2-3% Po, Py as stringers in the Phyllite.						
		From 341.1 - 344.6 M -- A qtz vein zone with about 60 cm of qtz. Veins are subparallel to foliation, however foliation can be seen to wrap around the qtz veins. These veins have only minor qtz carbonate and sulphides associated.						
		At 339.1 M -- Foliation is folded on a 10-70 cm scale.						
		341.3 M -- 10 cm qtz vein 85° to C.A. and parallel to foliation, vein has trace sulphides.						
		342.85 M -- 6 cm qtz vein 70° to C.A. and subparallel to foliation. There is trace Po in vein.						
		344 M -- 15 cm qtz vein 50° to C.A. and parallel to foliation. Trace qtz carbonate in vein.						
		344.4 M -- Folded 5-10 cm qtz vein. Upper contact 15° to C.A. and parallel to foliation. Minor qtz carbonate and Po, Py in vein.						
		344.7 M -- 7 cm qtz vein. Upper contact 75° to C.A. Vein has trace qtz carbonate and Po.						
		From 343 M there is only Py in the Phyllite.						
		To 345.8 M $\simeq$ 2-3% Py and Po (Po is decreasing downhole).						
		There are weak crenulations in the narrow siliceous bands present in this						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
333.3	345.8 M	Cont'd:						
		section. Folding on a 10-30 cm scale is also present, with fold axis 80°-90° to C.A. The percentage of siliceous sediment increases down hole and from 340 M to 345.8 M ≈ 20% siliceous sediment. Bedding in the siliceous sediment bands when not folded is at 70°-90° to C.A.						
345.8	354.1 M	F/g Light Gray Siliceous Sediment with Lesser Black Phyllite.						
		Upper contact is gradational at 90° to C.A. Bedding is only weakly folded in a 1-2 cm wavelike fold.						
		347.0 M -- 8 cm qtz vein 70° to C.A. and subparallel to foliation. Trace pyrite in vein.						
		349.65 M -- 30 cm's with 50% qtz veins. Veins are subparallel to bedding. Bedding can be seen wrapped around qtz veins. Trace qtz carbonate and pyrite in veins.						
		In places the siliceous sediment appears to be a tuff with < 1 mm white fragments.						
		From 353.3 - 354.1 M -- F/g light gray siliceous sediment interbedded with black phyllite. Unit is folded and folds are crenulated.						
		There is < 1% disseminated Py and no Po in the siliceous sediment. The siliceous sediment appears softer than that encountered at 133.8 - 163.4 meters in this hole. This could be due to the finely interbedded phyllite and or sericite alteration.						
		350.5 - 350.8 M -- Folding of bedding on a 10-30 cm scale with the folds being crenulated.						
		351.35 - 351.9 M -- Qtz vein at 60° to C.A. and parallel to foliation. Vein has 20% phyllite inclusions and trace pyrite.						
354.1	385.94 M	Interbedded Gray Calcareous Siltstone and Black Phyllite.						
		The calcareous siltstone reacts strongly with cold HCl. In addition to the finely disseminated $CaCO_3$ in the siltstone there are abundant irregular shaped lenses and stringers (< 1-5 mm wide) of carbonate throughout this section.						
		Bedding and foliation are about 80°-90° to C.A. There is small scale folding of the bedding.						
		364.4 - 366.6 M -- Folding of the bedding. Folding is on a 30-50 cm scale and causes bedding to vary from 0°-40° to C.A.						
		There is only trace qtz veining in this section and veins have trace pyrite at best.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
354.1	385.94 M	Cont'd:						
		This section has 1-3% Py and No Po to 379.7 M.						
		361.9 M -- 5 cm qtz vein. 45° to C.A. and subparallel to foliation. Only calcite in the vein.						
		367.3 M -- 3-5 cm qtz vein 70° to C.A. and parallel to foliation. There isn't any sulphide in the vein.						
		In the last 6 M of this section there is progressively less calcareous siltstone.						
		Folding on a 30 cm wavelength is still present as is noted at 377.7 - 378.0M. There is F/g light gray siliceous sediment interbedded with the phyllite.						
		Foliation when not folded is at 60°-80° to C.A., however folding can cause foliation to vary to 0° to C.A.						
		376.2 M -- 1 cm gouge zone at 70° to C.A. and parallel to foliation.						
		373.2 - 373.6 M -- Fracture 0° to C.A. The qtz veining present have only trace pyrite.						
		Down to 379.7 M there is only pyrite, which occurs as disseminations. Below 379.7 M minor Po is noted.						
		369.7 M -- 2-3 cm qtz vein folded at 0° to C.A. Minor pyrite in vein.						
		374.8 M -- Broken qtz vein. Trace carbonate.						
		381.0 - 381.5 M -- Strongly broken core.						
		382.6 M -- 50 cm of folded and crenulated phyllite.						
385.94	428.9 M	F/g Gray Siliceous Sediment with F/g Black Banded Phyllite Interbedded.						
		The majority of this section has the siliceous sediment and phyllite bedded on a < 1 cm scale. Sections however may have up to 1 meter of either rock type solely.						
		In places the siliceous sediment is strongly sericitic. The whole section is strongly folded with a 10-30 cm wavelength. Foliation when not folded is 75° to 80° to C.A. and is parallel to bedding.						
		The section 385.94 - 396 M has a qtz vein zone with 1.35 meters of qtz veins (13.4% qtz). Most of the veins contain varying amounts of Po, Py and some qtz carbonate. Veins are generally subparallel to foliation. However foliation can be seen to be wrapped around veins.						
		From 391 - 398 M there is weaker than usual folding.						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS
365.94	428.9 M	Cont'd:						
		At 387.4 M -- 50 cm's of calcareous siltstone. This unit is interbedded with the phyllite and siliceous sediment.						
		386.85 M -- 2-4 cm qtz vein 70° to C.A. and parallel to foliation. Vein has minor Po, Py.						
		387.3 M +- 6 cm qtz vein 50°-60° to C.A. Minor qtz carbonate and pyrite in vein.						
		388.1 M -- 4 cm qtz vein 25° to C.A. and parallel to foliation. Vein has carbonaceous selvages. There is 5% Po, Py and trace sphalerite in the vein.						
		388.6 M -- Folded 2-4 cm qtz vein with minor qtz carbonate and 2-3% Po, Py.						
		389.7 M -- 15 cm qtz vein 70° to C.A. and subparallel to foliation. Strong sericite in the vein. Vein has 2-3% qtz carbonate and moderate Po, Py and trace sphalerite.						
		390.1 - 391.0 M -- Several 1-2 cm qtz veins folded down C.A. and parallel to foliation. Veins have 1-3% qtz carbonate and up to 5% Po, Py. Trace sphalerite is noted in veins. Veins have sericitic selvages in the siliceous sediment.						
		392.0 M -- 35 cm qtz vein 70° to C.A. and parallel to foliation. Minor qtz carbonate, Po, Py and trace sphalerite in vein.						
		393.75 M -- 10 cm qtz vein 70° to C.A. 2-7% Po, Py and 2-3% qtz carbonate in vein.						
		394.2 M -- 20 cm qtz vein 85° to C.A. and subparallel to foliation. Minor qtz carbonate and Po, Py in vein.						
		There is ≈1-3% Py and 0.2% Po in this section. (2-4% in the phyllite and 1-1.5% in the siliceous sediment.)						
		395.8 M -- 5 cm gouge at 80° to C.A.						
		From 396.3 - 403 M -- mainly F/g black banded phyllite with 5-30% F/g light gray siliceous sediment interbedded. Bedding is folded from 0° to 90° to C.A. Where bedding isn't folded it is usually ≈80° to C.A. Bedding and foliation are not distinguishable.						
		397.5 - 398.7 M -- mainly siliceous sediment.						
		From 396.3 M to 414.7 M there is only minor qtz veining.						
		399.55 M -- 8.5 cm qtz vein 75° to C.A. 3-5% qtz carbonate and trace Po, Py in vein.						
		399.9 M -- 5 cm qtz vein 80° to C.A. 10% qtz carbonate and minor Po, Py in vein.						

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PROPERTY Frasergold HOLE NO. FBC 83-5 Page 21

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS				
385.94	428.9 M	Cont'd:										
		403 - 428.9 M -- Finely interbedded siliceous sediment and F/g black Phyllite. Bedding is often on a <1 cm scale. There are a number of folds with a 15-30 cm wavelength with the folds having crenulations. Bedding when not folded is usually 80°-90° to C.A.										
		412.5 - 413.6 M -- weak sericitic alteration noted.										
		414.7 - 421.35 M -- qtz vein zone with 1.08 meters of qtz veining (16.2% qtz) Veins are subparallel to foliation and generally 70° to C.A. There are two large veins and several small veins, usually 3-5 cm in width. Veins have only minor qtz carbonate and sulphides. Some of the veins are barren.										
		414.9 M -- 10 cm qtz vein 75° to C.A. Vein is barren.										
		415.45 M -- 47 cm qtz vein 80° to C.A. Trace qtz carbonate and Py in vein at selvage. Vein has strong carbonaceous selvages with 5.7% Py.										
		416.4 M -- 35 cm qtz vein 80° to C.A. Trace qtz carbonate and sulphides in vein.										
		421.3 M -- Irregular 2-4 cm qtz vein ≈70° to C.A. Vein is subparallel to foliation. Foliation is deformed around vein. Vein has 3-5% qtz carbonate and 10% Po.										
		421.35 - 428.9 M -- only minor qtz veining.										
		422.8 - 426.0 M -- 30 cm's of qtz veining										
		423.4 M -- 6 cm qtz vein 80° to C.A. Trace qtz carbonate and sulphides in vein. Vein is parallel to foliation.										
		423.75 M -- 12 cm qtz vein 75° to C.A. 3-5% Po, Py in vein.										
		423.95 M -- 5 cm qtz vein 80° to C.A. 2-3% Po, Py and minor qtz carbonate in vein.										
		425.3 M -- 25 cm's of medium gray siliceous sediment. Upper contact sharp at 75° to C.A.										
		From 403 M there is about equal percentage of siliceous sediment and black phyllite.										
		426.5 - 427.2 M -- good example of folding with a 10-15 cm wavelength. Folds are crenulated.										
		From 403 - 428.9 M -- ≈ 2-4% Py and minor Po. Sulphides occur mainly as disseminations. Minor sulphides occur as streaks parallel to foliation.										
	428.9 M	E.O.H.										

Paul Brown

APPENDIX VI

QUALIFICATIONS OF P. BROWN

B.Sc. Geology, Memorial University of Newfoundland, 1974

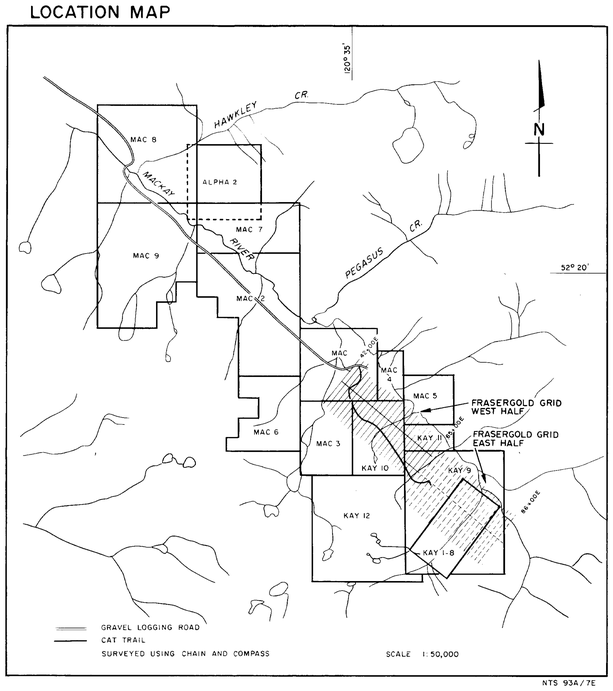
Continuously employed in the mineral exploration industry since graduation and with Amoco Canada Petroleum Company Ltd. since April 1975.

Member of the Geological Association of Canada and the Canadian Institute of Mining and Metallurgy.

Paul Brown

Paul Brown, B.Sc.

LOCATION MAP



NTS 93A/7E

MAC

MAC 4

MAC 5

MAC 3

KAY 10

KAY 11

KAY 9

KAY 12

00 BASELINE AZ 130°

4+00S BASELINE AZ 130°

Creek

Grouse Creek

△ 0+00 ROAD ADDITION

△ 0+190 ROAD ADDITION

△ 0+00

CORE STORAGE

△ 0+415

△ 0+645

△ 0+980

△ 1+220

△ 1+495

△ 1+795

△ 0+00 (RD No.1)

F.B.C. 83-4

239.9m

△ 0+295 (RD No.1)

DRILL ACCESS ROAD No.1

△ 0+00 (RD No.7)

△ 0+00 (RD No.2)

△ 0+495 (RD No.2)

322.2m

△ 0+145 (RD No.2)

428.9m

DRILL ACCESS ROAD No.2

△ 0+00 (RD No.3)

△ 0+00 (RD No.8)

△ 2+095

F.B.C. 83-2

DRILL ACCESS ROAD No.3

△ 0+00 (RD No.6)

△ 0+624 (RD No.3)

324.9m

DRILL ACCESS ROAD No.7

DRILL ACCESS RD No.8

△ 0+144 (RD No.8)

F.B.C. 83-5

△ 0+304 (RD No.7)

△ 0+00 (RD No.2)

△ 2+345

F.B.C. 83-3

△ 0+887 (RD No.4)

△ 0+227 (RD No.5)

328.3m

DRILL ACCESS ROAD No.5

DRILL ACCESS RD No.4

△ 2+045

F.B.C. 83-1

△ 0+00 (RD No.4)

△ 0+00 (RD No.5)

△ 3+045

NOTE: SURVEYED USING CHAIN AND COMPASS.

LEGEND

- CLAIM LINE AND POST (ARROW SIGNIFIES A LEGAL CORNER POST)
- HAND TRENCH
- DRILL ACCESS ROAD (ROAD STATION LOCATION IS INDICATED IN KILOMETERS) — △ 3+541
- F.B.C. - 83-1 / 265 — AMOCO DIAMOND DRILL HOLE (TERMINAL DEPTH INDICATED IN METERS)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,833

100 0 100 200
METERS

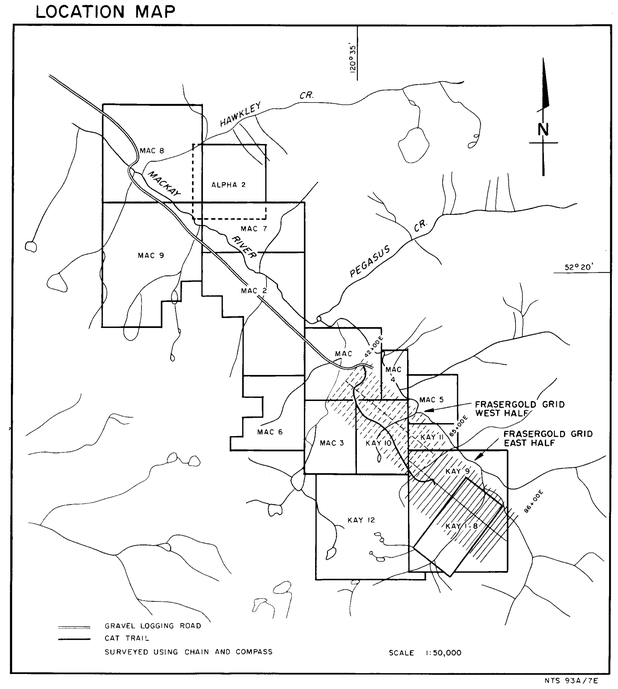
MAP 1

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

FRASERGOLD PROJECT
FRASERGOLD GRID - WEST HALF
LOCATION OF CLAIMS, DRILL ACCESS ROADS AND DIAMOND DRILL HOLES

Drawn By	d.o's	Scale	1 : 2500
Date	AUG. 1983	Project No.	83C - 004

LOCATION MAP



N

65+00E 66+00E 67+00E 68+00E 69+00E 70+00E 71+00E 72+00E 73+00E 74+00E 75+00E 76+00E 77+00E 78+00E 79+00E 80+00E 81+00E 82+00E 83+00E 84+00E 85+00E 86+00E

KAY 12 KAY 9 KAY 2 KAY 4 KAY 1 KAY 6 KAY 3 KAY 5 KAY 9 KAY 8 KAY 7

Frasergold Creek

BASELINE AZ. 130°

NOTE: SURVEYED USING CHAIN AND COMPASS.

LEGEND

- 330238 / 330239 — SOIL SAMPLE LOCATION NUMBER
- CLAIM LINE AND POST (ARROW SIGNIFIES A LEGAL CORNER POST)
- HAND TRENCH
- DRILL ACCESS ROAD (ROAD STATION LOCATION INDICATED IN KILOMETERS) — Δ 3+561

100 0 100 200
METERS

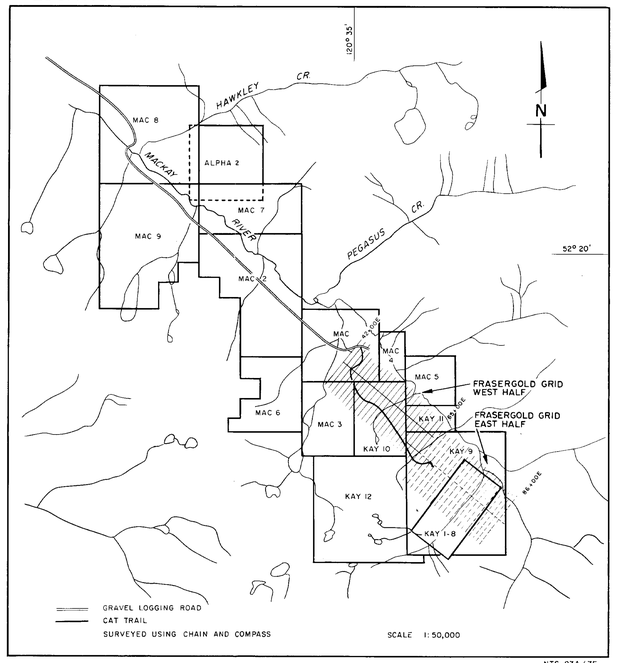
MAP 2

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

FRASERGOLD PROJECT
FRASERGOLD GRID - EAST HALF
SOIL SAMPLE LOCATIONS

Drawn By	d o's	Scale	1 : 2500
Date	AUG. 1983	Project No.	83C - 004

LOCATION MAP



NTS 93A/7E

MAC

MAC 4

MAC 5

MAC 3

KAY 10

KAY 11

KAY 9

KAY 12

CORE STORAGE

00 BASELINE
AZ. 130°

4.00S BASELINE
AZ. 130°

Creek

Grouse Creek

F.B.C. 83-1

F.B.C. 83-2

F.B.C. 83-3

F.B.C. 83-4

F.B.C. 83-5

239.9m

122.2m

428.9m

324.9m

328.3m

LEGEND

330238
330239 — SOIL SAMPLE LOCATION NUMBER

CLAIM LINE AND POST (ARROW SIGNIFIES A LEGAL CORNER POST)

HAND TRENCH

DRILL ACCESS ROAD

F.B.C.-83-1
265 — AMOCO DIAMOND DRILL HOLE (TERMINAL DEPTH INDICATED IN METERS)

NOTE: SURVEYED USING CHAIN AND COMPASS.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

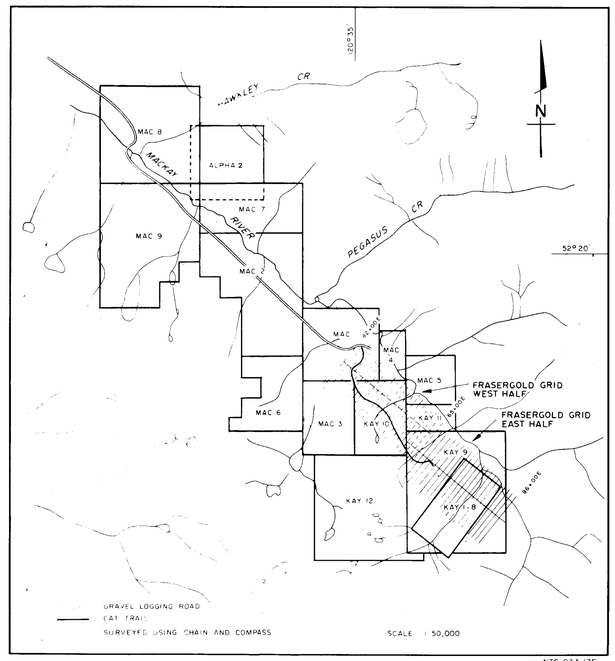
11,833

100 0 100 200
METERS

MAP 3

AMOCO CANADA PETROLEUM CO. LTD.			
MINING DIVISION			
FRASERGOLD PROJECT			
FRASERGOLD GRID - WEST HALF			
SOIL SAMPLE LOCATIONS			
Drawn By	d.o's	Scale	1 : 2500
Date	AUG. 1983	Project Nº.	830 - 004

LOCATION MAP



NTS 93A/7E

N

KAY 12

KAY 9

KAY 2

KAY 4

KAY 1

KAY 3

KAY 6

KAY 5

KAY 8

KAY 7

KAY 9

Fraserfold Creek

BASELINE AZ 130°

LEGEND

- 20 / 5 — SOIL RESULTS, GOLD (ppb)
- 500 — ≥ 500 ppb
- 250 — 250 - 499 ppb
- 100 — 100 - 249 ppb
- 50 — 50 - 99 ppb
- DRILL ACCESS ROAD
- HAND TRENCH
- CLAIM POST AND LINES (ARROW SIGNIFIES A LEGAL CORNER POST)
- 25 — AMOCO SAMPLES 1983

NOTE: SURVEYED USING CHAIN AND COMPASS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,833

100 0 100 200
METERS

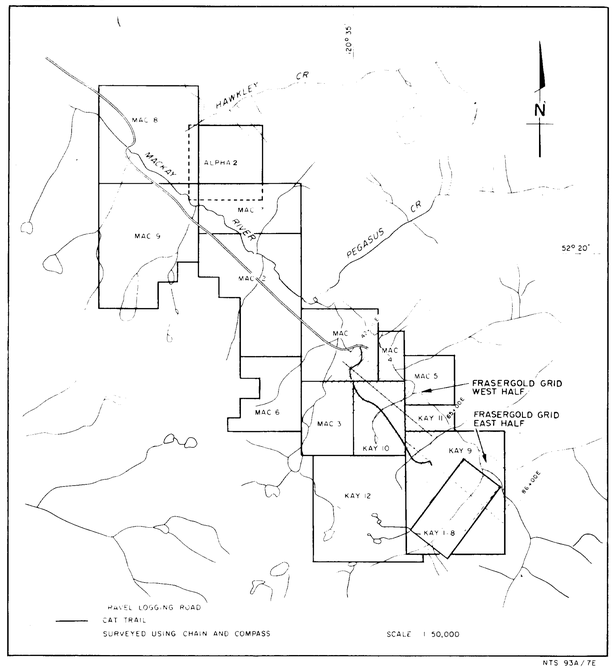
MAP4

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

FRASERGOLD PROJECT
FRASERGOLD GRID - EAST HALF
SOIL RESULTS - GOLD - 'B' HORIZON

Drawn By	J.D.'S	Scale	1 : 2500
Date	AUG. 1983	Project Nº	83C - 004

LOCATION MAP



NTS 93A/7E

MAC

MAC 4

MAC 5

MAC 3

KAY 10

KAY 11

KAY 9

KAY 12

00 BASELINE AZ 135°

4+00S BASELINE AZ 130°

CORE STORAGE

F.B.C. 83-1

F.B.C. 83-2

F.B.C. 83-3

F.B.C. 83-4

F.B.C. 83-5

LEGEND

- SOIL RESULTS, GOLD (ppb)
- ≥ 500 ppb
- 250 - 499 ppb
- 100 - 249 ppb
- 50 - 99 ppb
- DRILL ACCESS ROAD
- HAND TRENCH
- CLAIM POST AND LINES (ARROW SIGNIFIES A LEGAL CORNER POST)
- F.B.C.-83-1 AMOCO DIAMOND DRILL HOLE (TERMINAL DEPTH INDICATED IN METERS)
- 25 AMOCO SAMPLING 1983

NOTE: SURVEYED USING CHAIN AND COMPASS.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,833

100 0 100 200
METERS

MAP5

AMOCO CANADA PETROLEUM CO. LTD.
MINING DIVISION

FRASERGOLD PROJECT
FRASERGOLD GRID - WEST HALF
SOIL RESULTS - GOLD - 'B' HORIZON

Drawn By	d.o's	Scale	1 : 2500
Date	AUG 1983	Project Nº	83C - 004