83-#241 - #11397

ASSESSMENT REPORT

DRILL HOLE MG83-1

April 17 - May 2, 1983

MICROGOLD CLAIM

N.T.S. 92I/8W

NICOLA (AND KAMLOOPS) MINING DIVISIONS

STUMP LAKE AREA

LATITUDE 50°23'25" APP.

LONGITUDE 120°21'42" APP.

OWNER: MR. J. DE LATRE

OPERATOR: CHEVRON CANADA RESOURCES LIMITED

AUTHOR: LARRY DEKKER

June, 1983

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INTRODUCTION

The Microgold property exhibits characteristics which are associated with the upper levels of an epithermal precious metal system with anomalous amounts of Au, Ag, Hg, As, F and Sb occurring in silica filled fractures at surface. The property was optioned by Chevron Canada Resources Limited on October 14, 1982 from prospector John de Latre, who had staked and registered the claim on June 21, 1982.

Subsequently, a program of geological mapping and geochemical prospecting was carried out followed by a 4 hole diamond drill program, three of which were located on the Microgold claim. The results and expenditures of one vertical hole, MG83-1, cored to 1344' (409.65 m), are filed for 4 years' assessment work credits. The claim was returned in good standing to Mr. John de Latre after Chevron's evaluation.

LOCATION AND ACCESS

The property is located in south-central British Columbia approximately 40 km south of the city of Kamloops (Fig. 1). Access to the property is via paved Highway No. 5. The SE corner post, located 100 m NW of the highway is visible from this road. The north end of the property is easily accessible from the well maintained Anderson Lake gravel road.

CLAIMS

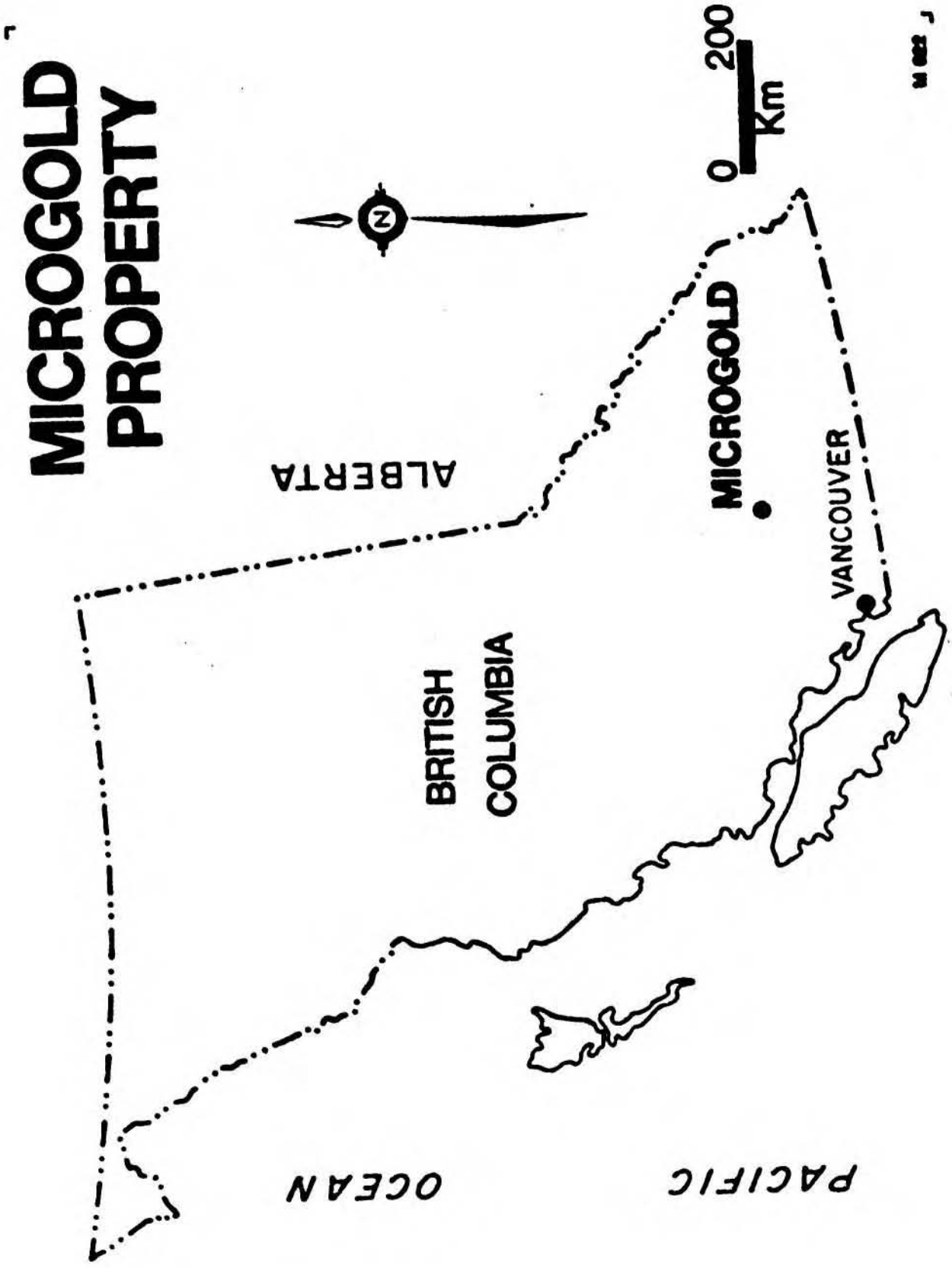
CLAIM	RECORD NUMBER	RECORD DATE
MICROGOLD	1257	June 21, 1982

The Microgold claim was staked on June 19, 1982 by John de Latre and registered on June 21, 1983. The claim consists of 9 units (Fig. 2). The claim was optioned to Chevron Canada Limited by agreement dated October 14, 1982. Chevron subsequently staked the EEL (4 units), CIN (20), CO (14), DY (16), and STUMP (6) claims adjacent to, and surrounding, the Microgold claim. After having carried out geological and geochemical work and a diamond drill program, Chevron returned the Microgold claim to the prospector with 4 years' assessment work credits applied. The CIN and DY claims were grouped and given to Mr. J. de Latre also with 4 years' assessment work credits applied.

GEOLOGY

The host rock of the majority of the mineralization is Triassic Nicola greenstone, an undivided sequence of volcanoclastics. Exceptions to this occur at the southern end of Kullagh Lake. At this location there is a sequence of fine (mudstone-siltstone) to coarse (conglomerate) sedimentary clastics.

FIGURE 1


MICROGOLD PROPERTY
0 200 Km
N
ALBERTA
MICROGOLD
VANCOUVER
BRITISH COLUMBIA
PACIFIC OCEAN

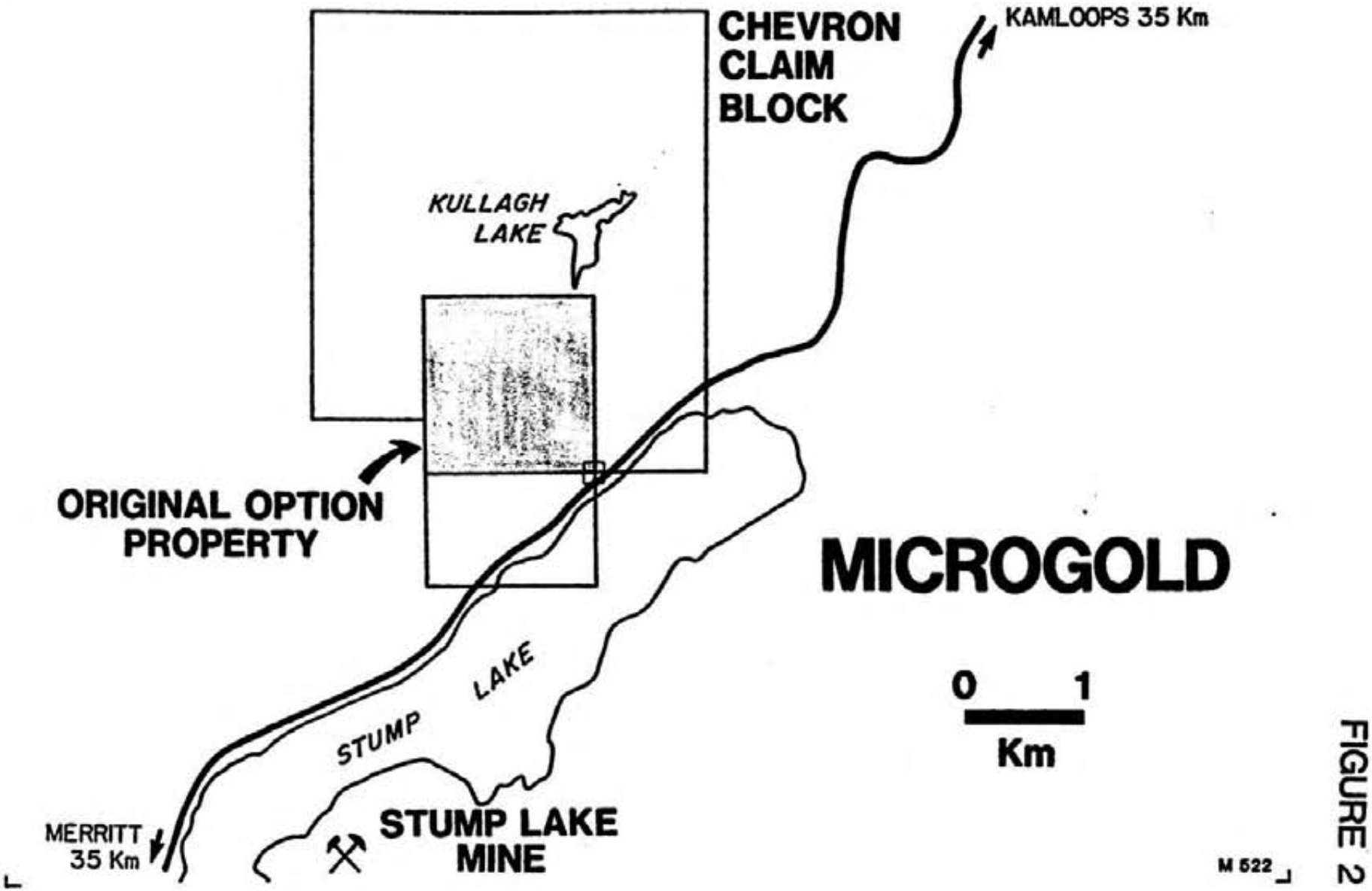

CHEVRON
CLAIM
BLOCK
KAMLOOPS 35 Km
KULLAGH
LAKE
ORIGINAL OPTION
PROPERTY
MICROGOLD
0 1
Km
STUMP
LAKE
MERRITT
35 Km
STUMP LAKE
MINE
M 522

FIGURE 2

At the eastern boundary of the property and in fault contact with the Nicola Group rocks are Tertiary Kamloops Group volcanics.

A definitive recognition of original, compositional layering was limited to the southern end of Kullagh Lake where the varied sedimentary clastics outcrop. These mudstones and conglomerates strike north-northeast/south-southwest. On the west side of the lake they dip towards the east; on the east side of the lake they dip towards the west. A synform or trough is thus defined.

Layering, original or otherwise, is difficult to recognize with any degree of certainty within the greenstones.

The dominant structural features of the Microgold Property are the fracture patterns. There are two types of fractures recognized. The elder set is restricted to a central area where individual fractures dip outwards and away from a central, elongate dome ("onion skin" fractures). An exception to this orientation occurs on the top of the dome where the fractures are flat-lying. The angle of dip of the fractures on the flanks varies from 25 to 45 degrees.

The younger set of fractures constitute a conjugate fracture pattern, the orientations being 020°, 070° and 320°. Whilst such fractures are ubiquitous they are best developed in the western part of the Property. As there were no offsets of conjugate fracture junctions recognized, it would appear that either there has been no movement on these structures since their inception or what movement there has been was very specific.

MINERALIZATION

All mineralization recognized is vein-like and is confined to the fractures previously described. The veins generally consist of a blue-grey, or cream or light-grey, chalcedonic quartz. In the eastern section there are two zones of quartz-carbonate alteration, both are structurally controlled and occur at the intersection of three or more fractures. Fluorite is common within the veins and may be abundant, e.g. the Redbird fluorite showing in the northwest of the Property.

The sequence of events associated with the mineralization is:

1. "Onion-skin" or cone fractures generated.
2. These fractures are filled by silica solutions containing As, Mg, Sb, F, Au and Ag.
3. A conjugate fracture set is formed. These fractures cut the mineralized, ring fractures.
4. This younger set of fractures is mineralized by silica solutions containing a similar assemblage to that previously noted.

Due to the apparent similarity of mineralization within the fractures the time period between the individual stages is interpreted to be brief. The cone fractures are generally wider (up to 1.75 m) than the individual, conjugate fractures although en-echelon, conjugate veins may attain a considerable width (8 m or more).

DRILLING ON CLAIMS

To test the hypothesis of an increase in quartz stockwork veining together with precious metals with depth, four NQ diamond drill holes were drilled, three of which were located on the Microgold claim (Fig. 3). The first hole, MG83-1, was vertical and located on the centre of the dome interpreted from structural mapping. It was drilled to a depth of 409.65 m (1344'). The two other holes, MG82-2 and MG82-3, were located on the south flank of the dome and were angled into the structure (Fig. 3). The fourth hole in the program was drilled just off the north boundary of the Microgold claim on the CIN claim and tested a major clastic-filled fracture zone.

DRILL RESULTS HOLE MG83-1

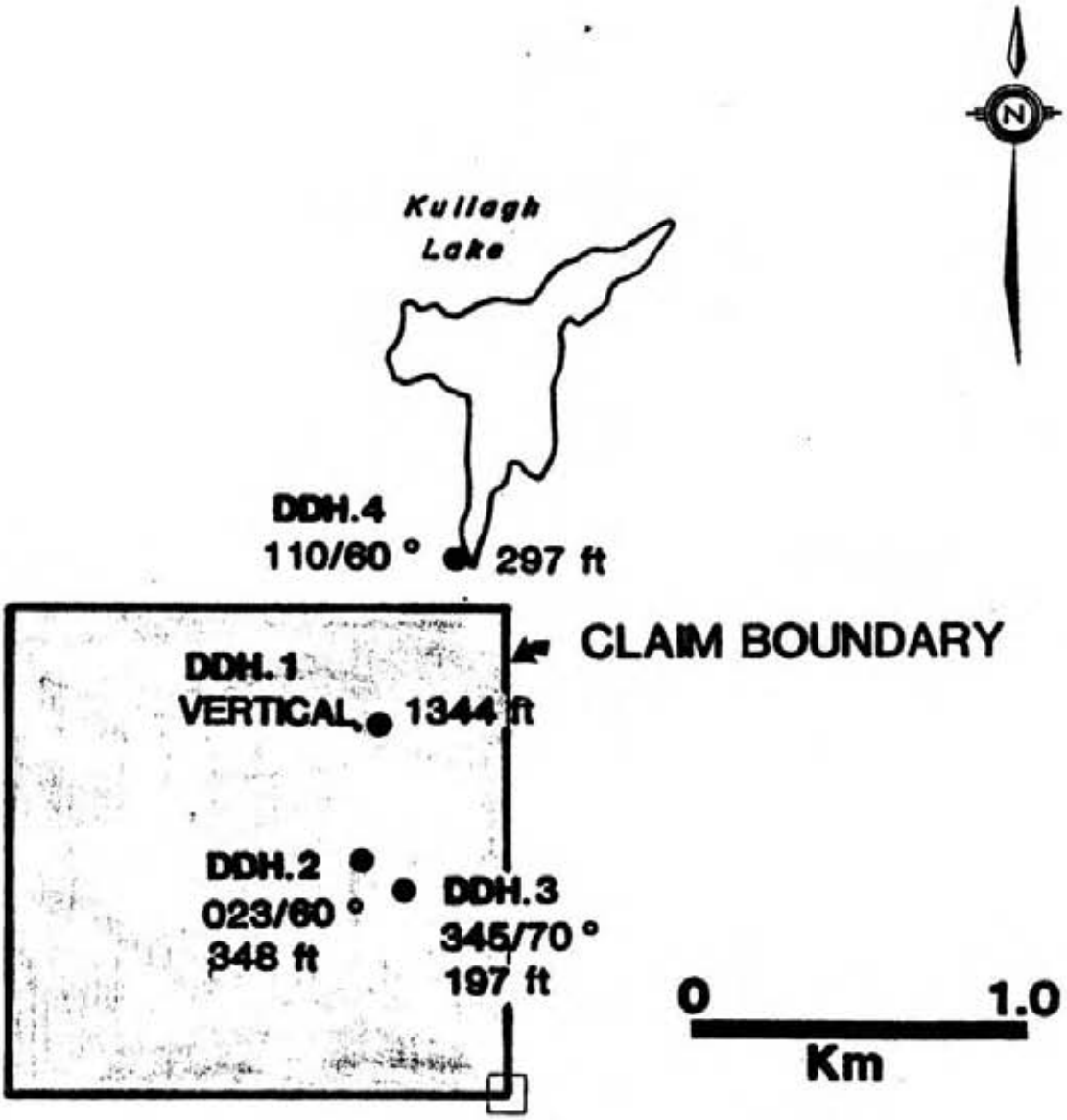
Hole MG83-1 drilled through a section of altered, green and red, chloritized and hematitic, medium to coarse crystalline, porphyritic greenstones which alternate with coarse fragmental agglomerates.

The volcanic package grades into a maroon ?volcanic wacke at 310.25 m which in turn overlies a section of black argillite and siltstone from 391.35 m - 408.70 m. The hole ends at 409.65 m in a lithic tuff. Fracturing persists with depth with fracture fill mostly consisting of calcite with accessory hematite, chlorite and chalcedony in varying proportions. The amount of chalcedony fracture fill decreases with depth and there were no indications of stockwork vein fill. For a detailed core description, the reader is referred to the sample description in the Appendix and the strip log in the pocket.

FIGURE 3

MICROGOLD

D.D.H. LOCATIONS



CONCLUSIONS

The immediate and shallow potential of the prospect has been adequately tested. Even though fracturing persists with depth, the amount of chalcedony fracture fill decreases and there were no indications of stockwork development. A total of 93 core samples were analyzed for Au, Ag and As with four samples registering over 1000 ppb Au with a peak value of 1250 ppb. These values are comparable to those obtained from surface rock samples on the property where the Au anomaly threshold is 440 ppb. Highest Ag value was 5.8 ppm. There was no correlation between Au and Ag values.

RECOMMENDATIONS

We feel that the shallow, immediate potential of the prospect has been adequately tested. To test the hypothesis of the presence of a more elongated, "vertically stretched" epithermal system will require deeper drilling which is costly and which, in view of the sporadic chalcedony veining, lack of good stockwork and no increase in Au/Ag values with depth, carries a substantial risk. No further work is, therefore, recommended.

Respectfully submitted,

Larry Dekker, P.Eng. M.Sc.
Chevron Canada Resources Limited

COST STATEMENT

1983 DRILL PROGRAM

HOLE MG83-1

MICROGOLD CLAIM

NICOLA MINING DIVISION

PERIOD: April 16 - May 2, 1983

COSTS:

1) LABOUR

	Position	Field Days
L. Dekker	Sr. Geologist	13
D. Brown	Geologist	4
		17

Average cost per field man day = 17 x $100. = $1,700.

2) DRILLING

Direct footage cost NQ core

0 - 1000' at $14.75/ft = $14,750.

1000'- 1344' at $16.25/ft = $ 5,590. $20,340.

WORK TOTAL $22,040.

We are filing assessment work to keep the Microgold claim in good standing until June 21, 1986.

Total cost 3 years at $100./unit/9 units = $2,700.

1 year at $200./unit/9 units = 1,800.

ASSESSMENT WORK TOTAL $4,500.

We request the remaining $17,540. be applied to the PAC Account of Chevron Canada Resources Limited.

PERSONS EMPLOYED ON MICROGOLD CLAIM

Derek Brown
c/o 10080 Wilkinson Road
Richmond, B. C.
V7A 3K2

Larry Dekker
850 Cardero Street
Vancouver, B. C.
V6G 2G5

David Shaw
#307 - 1080 Pacific Street
Vancouver, B. C.
V6E 4C2

STATEMENT OF QUALIFICATIONS

I, Larry Dekker, have worked as a geologist since graduation from the University of Amsterdam, the Netherlands, with a B.Sc. Degree in Geology (1965) and a M.Sc. Degree in Stratigraphy and Sedimentology (1969).

I am a licensee (P.Eng.) of the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta, a Fellow of the Geological Association of Canada, a member of the American Association of Petroleum Geologists and a member of the Canadian Society of Petroleum Geologists.

I am currently employed as a senior geologist by Chevron Canada Resources Limited in Vancouver, B. C. and have been with this company for 14 years.

The drilling on the Microgold claim was performed under my direction.

L. Dekker

STATEMENT OF QUALIFICATIONS

Derek A. Brown holds a B.Sc. (Hon.) Degree in Geology (1981) from Carleton University, Ottawa.

He did work as a geologist for Chevron Canada Resources Limited in 1982 and worked for the Geological Survey of Canada as a junior and senior geological field assistant in 1979, 1980 and 1981.

Record of Mineral Claim
FORM G

MAP NO. 120/W

RECORD NO. 1257

MINING RECEIPT NO. 16[illegible]4E RECORDED AT VANCOUVER B.C. THIS 21 DAY OF JUNE 19 82

DO NOT WRITE IN SHADED AREAS

GOLD COMMISSIONER'S OFFICE — MINING DIVISION

Affidavit for Mineral Claim

I, JOHN DE LATRE (NAME) AGENT FOR (NAME)

BOX 1245 KAMLOOPS BC V2C 6H3 (ADDRESS)

VALID SUBSISTING F.M.C. NO. 231450

VALID SUBSISTING F.M.C. NO.

MAKE OATH AND SAY: I COMMENCED LOCATING THE MKROGOLD MINERAL CLAIM

1. ON THE 11 DAY OF JUNE 19 82 AT 7 00 AM (TIME INDICATE A.M. OR P.M.) AND COMPLETED THE LOCATION
ON THE 14 DAY OF JUNE 19 82 AT 1 30 PM (TIME INDICATE A.M. OR P.M.) CONSISTING OF
3 (NUMBER) UNIT LENGTHS NORTH (DIRECTION) AND 3 (NUMBER) UNIT LENGTHS WEST (DIRECTION) AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION
ON METAL TAGS NO 36200 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS

2. IDENTIFICATION POST(S) NOT PLACED WERE —

3. CHECK "√" APPLICABLE SQUARE
[√] THE LEGAL CORNER POST
† [ ] THE WITNESS POST FOR THE LEGAL CORNER POST
IS SITUATED ON THE NORTHWEST SIDE OF STUMP LAKE, EXACTLY AT THE JUNCTION OF POWER LINE AND EASTERN BOUNDARY (SURVEY FENCE) OF SEC 22 (TP 100). THE POST IS VISIBLE FROM HIGHWAY 5. (100 M AWAY)
(PRECISELY DESCRIBE POSITION OF POST RELATIVE TO KNOWN TOPOGRAPHICAL OR SURVEYED FEATURES THAT RELATE TO FEATURES ON A MAP)

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST —

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST —

4. I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE MINING RECORDER, OF THE LOCATION.

SWORN AND SUBSCRIBED TO AT —

THIS — DAY OF — 19 — BEFORE ME

* —

* THIS AFFIDAVIT MAY BE TAKEN BY A PERSON EMPOWERED TO TAKE AFFIDAVITS BY THE EVIDENCE ACT OF BRITISH COLUMBIA.

(SIGNATURE)

16 JUN 82

MR OR SMR STAMP

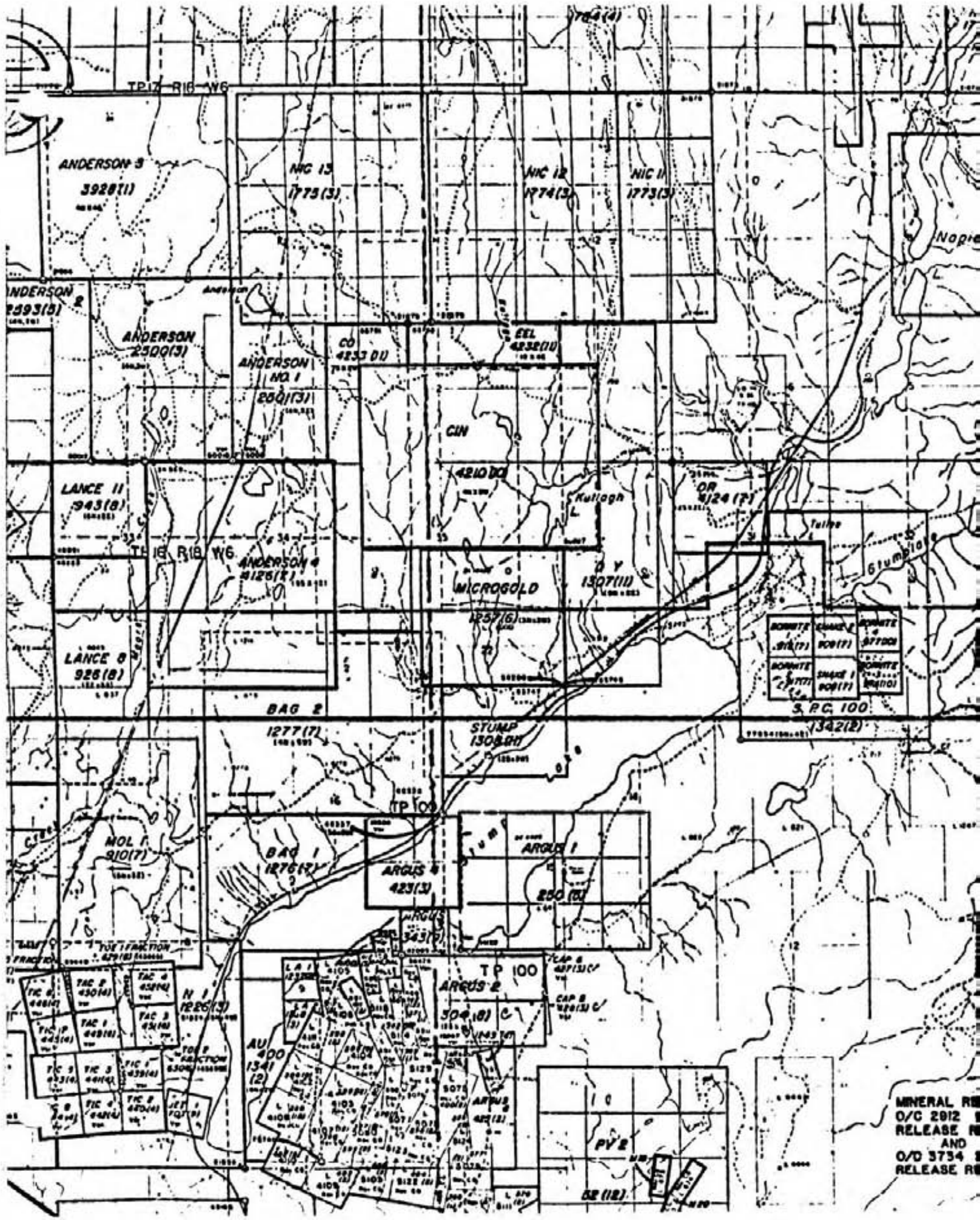
NO. OF UNITS 9 WORK REQUIREMENT $ — (PER YEAR) ~~RENTAL REQUIREMENT $10.00 PER $200.00 WORK, $20.00 PER $200.00 C/I~~

OFFICE USE

WORK NUMBERS	C/L IN $	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	YEAR OF EXPIRY	CREDIT: WORK UNITS	CREDIT: RENTAL IN $'S	TRANSFERS (BILLS, ASSIGNMENTS, CONVEYANCES)

FOLIO

OWNER


TP 17 R16 W6
ANDERSON 3
3928(1)
NIC 13
1773(3)
NIC 12
1774(3)
NIC 11
1773(3)
ANDERSON 2
2593(5)
ANDERSON
2500(3)
ANDERSON
NO 1
2801(3)
CO
4253 D(1)
EEL
4232(11)
CIN
4210 D(2)
Kullagh
LANCE II
943(8)
TP 16 R18 W6
ANDERSON 4
3126(2)
MICROGOLD
1507(11)
LANCE 6
926(8)
BAG 2
1277(7)
STUMP
1308(8)
TP 100
MOL 1
910(7)
BAG 1
1276(7)
ARGUS 4
423(3)
ARGUS 1
250(8)
ARGUS 3
343(7)
TP 100
ARGUS 2
304(8)
N 1
1286(5)
AU
400
1341
(2)
PV 2
DE (12)
S.P.C. 100
1342(2)
Nopie
Tulips
Stumpio

DIAMOND DRILL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 2 of 43 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
39 - 49' (Cont'd)	(less than and up to 5%) thin bands of hematite as well						
(11.89 - 14.94 m)	At approximately 45° to core axis. Greenstone, medium/						
Core #5 Box #3/4	coarse xln, groundmass of feldspar xls, from .2-2 mm,						
49 - 59'	possibly Kspar; dark minerals ?hornblende, in matrix						
(14.94 - 17.98 m)	hematitized and chloritized varying from 10% to 30%.						
	In places clots and fragments (cm size) angular to						
Core #6 Box #4	subrounded of similar composition, micas up to 10%						
59 - 69'	seriticized greenish colors due to chloritization						
(17.98 - 21.03 m)	grading partially to reddish hematitized areas,						
	accessory pyrite as disseminations mostly, but						
	also as blebs (17.60 - 17.68 m).						
Core #7 Box #4/5	Veinlets of chalcedony and fluorite with pyrite and						
69 - 79'	possibly pyrrhotite (?chocolate brown pyrite), veins						
(21.03 - 24.08 m)	at random angles, but 45° to core axis in opposing						
	directions seems to predominate. Brecciation uncommon.						
Core #8 Box #5/6	Veins from hairline up to 1 cm mostly at 13.56-13.62 m.						
79 - 89'	13.80-14.10 m thick banded veins of light and dark grey						
(24.08 - 27.13 m)	chalcedony and purple fluorite, some thin bands (mm's)						
Core #9 Box #6	of pyrite, sometimes coating of chlorite, some vugs.						
89 - 99'	At 32.47-32.94m subhorizontal banded vein of light/	*Sample 4,5 & 6					
(27.13 - 30.18 m)	dark grey chalcedony and 2 & 6 cm thick bands of white						
	calcite, some vugs, some disseminated pyrite.						

DIAMOND D..ILL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 1 of 43 Lot. Total Depth

Section Dep. Vertical Logged By L. Dekker

Date Begun April 17, 1983 Bearing Claim Microgold

Date Finished May 2, 1983 Elev. Collar Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0-10'	CASING AT SURFACE						
Core #1 Box #1							
10 -19'	Lost 1' at top, greenstone consisting of groundmass						
(3.05-5.79 m)	of feldspar xls (medium to coarse xln) with up to 20%						
Core #2 Box #1/2	dark minerals such as hornblende and possibly augite.						
19 - 29'	Feldspar altered in part to white kaolinite. Dark						
(5.79 - 8.84 m)	minerals hematitized to dark reddish/brown; patchy						
Core #3 Box #2	mottled appearance as color changes from predominantly						
29 - 39'	light greenish/grey to hematitic red, thin, from						
(8.84 - 11.89 m)	less than 1 mm to several mm's thick veinlets of						
	calcite with patches of brownish pyrite up to 1% of						
	total rock; also pyrite disseminated in places						
	through groundmass, <1%. Veins run at random						
	orientations at 11.5 m. Lithology becomes more						
	fragmental. Fragments up to several cm's (intraclasts),						
	angular in similar groundmass at 13.12 m. 2 cm thick						
	calcite/fluorite veinlet at 45° to core axis.						
Core #4 Box #3	Agglomerate of fragments, mostly angular to subangular						
39 - 49'	in groundmass a.a., greenish/grey to light green.						
(11.89 - 14.94 m)	At 13.80 - 15.87 m and 14.02 - 14.21 m veins of banded	*Samples	1 - 3				
	chalcedony and fluorite with blebs and xls of pyrite						

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 3 of 43 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core #10, Box #6/7	Greenstone as above, gradually grading from coarse to						
99 - 109'	medium xln and fragmental to less agglomeratic (from						
(30.18 - 33.22 m)	80% fragmental to 50% fragmental) and a finer xln and						
Core #11 Box #7/8	greener more chloritized groundmass. Fractures at 45°						
109 - 119'	but also vertical and random; filled with calcite, make						
(33.22 - 36.27 m)	up less 1% of total rock from hairline, to most common						
Core #12 Box #8	several mm's, occasionally up to 1 cm. At 44.7 m						
119 - 129'	becoming predominantly fine xln, chloritized greenstone/						
(36.27 - 39.32 m)	fine to medium xln mostly green.						
Core #13 Box #8/9	Chloritized greenstone, in part with purplish/red						
129 - 139'	patches occasionally disseminated fine xln pyrite,						
(39.32 - 42.37 m)	rare fine xln hematite as isolated xls. Thin, several						
	mm's, fissures and veinlets of calcite (white) with						
	varying proportions of hematite (red), fluorite from						
	colorless to light greenish, purplish and accessory						
	quartz, veins often chloritized or epidotized at						
Core #14 Box 9/10	60° to 70° to core axis; some contain disseminated						
139 - 149'	pyrite xls. Particularly epidotized, fragmented vein						
(42.37 - 45.42 m)	at 51.56-51.80m, veinlets constitute less than 1% of						
	rock volume.						

DIAMOND D...LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 4 of 43 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core #15 Box 10	As above						
149 - 159'	At 53.36-53.50m zone of more intense veining (70° to						
(45.42 - 48.46 m)	core axis) and slight brecciation (up to 5% pyrite						
	disseminated and than grading into more purplish/green						
Core #16 Box 10/11	medium to coarser xln greenstone; at 54.56 m grading						
159 - 169'	to fine to medium xln greenstone as above. At 56.41						
(48.46 - 51.51 m)	grading to light greyish/green to purplish, medium to						
	coarse xln greenstone with up to 20% dark minerals,						
Core #17 Box 11	disseminated fine xln pyrrhotite and pyrite up to 3%						
169 - 179'	in groundmass, trace of hematite as xls, occasionally						
(51.51 - 54.56 m)	chalcopyrite as patches and xls (i.e. at 57.00m).						
	At 57.72-57.75 m calcite, hematite veinlet (20°) with						
Core #18 Box 11/12	disseminated pyrite ≈2%; some larger angular fragments						
179 - 189 m	(intraclasts in groundmass). Fluorite vein (1 cm) at						
(54.56 - 57.61 m)	58.54 and 58.60 m, 2 cm, both with disseminated pyrite						
	(20° to core). Section becomes more agglomeratic						
Core #19 Box 12/13	with large cm sized angular fragments of reddish and						
189 - 199'	pinkish fragments in groundmass of similar composition.	*Samples	7,8 & 9				
(57.61 - 60.66 m)	At 58.60-59.40m zone of intense (20°) veining, grey						
	chalcedonite veins with hematite rims, some minor						
	brecciation, mm's thick zone of white kaolinite at 58.76m						
	up to 5% disseminated pyrrhotite (pyrite).						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 5 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core #20 Box 13/14	Lithology a.a. agglomeratic; mm thick calcite veinlets						
199 - 209'	(60°) throughout interval. From 61.82-61.92m zone of						
(60.66 - 63.70 m)	more intense chalcedony/hematite veins at 62.45-62.65 m						
	80° steep 1½ cm thick quartz and hematite vein. Calcite/						
Core 21 Box 13/14	hematite veinlets in agglomeratic volcanic to very						
209 - 219'	coarse xln greenstone; veinlets at 70° and crosscutting						
(63.70 - 66.75 m)	veinlets at 20° at 68.93-69.10 m zone of epidote						
	veinlets at 70° and some thin (mm's) crosscutting						
	calcite veinlets at 70°; at 70.97-71.12 m very fine xln						
Core #22 Box 14/15	slightly silicified zone of greenstone with disseminated						
219 - 229'	<3% pyrite xls, At 71.60-72.25 m zone with grey, light						
(66.75 - 69.80 m)	and medium, of banded chalcedony veins from few mm's to						
	2 cms thick taking up 30% of rock; disseminated pyrite,	* Samples 10, 11 & 12					
	fine to medium xln, up to 5% in host rock and veins						
Core #23 Box 15	some brecciation from subhorizontal to 45°. At 73.42-						
229 - 239'	73.72 zone with chalcedony veins and banded red hematitized						
(69.80 - 72.85 m)	in part a.a. from subhorizontal to 70°.						
Core #24 Box 15/16	At 75.00 m 6 cm thick zone brecciated and filled with						
239 - 249'	white calcite and light green fluorite, some chalcopyrite,						
(72.85 - 75.90 m)	dips at 60°. At 77.60 to 77.78m zone characterized						
Core #25 Box 16/17	by series of mm sized to 1.5 cm thick quartz/hematite						
249 - 258'							
(75.90 - 78.64 m)							

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 6 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core #25 Box 16/17	veinlets dipping at 70°. From 79.16-79.74 m and 80.02-	* Samples 13 to 18					
(Cont'd)	80.71 two zones of banded quartz/chalcedony grey white,						
	greenstone/white fluorite, possibly zeolites. Banding						
Core #26 Box 17	subhorizontal some colloidal textures, hematitized in						
258 - 268'	part, some brecciation, disseminated pyrite up to 5%;						
(78.64 - 81.69 m)	grading to agglomeratic, fragmental, fragments varying						
Core #27 Box 17/18	from reddish brown to greyish/green in coarse xln matrix						
268 - 269'	of similar composition; some fragments darker, fine xln/						
(81.69 - 81.99 m)	hairline fracture fill of calcite veinlets 70° to						
	subvertical but at lesser angles too.						
Core #28 Box 18							
269 - 279'							
(81.99 - 85.04 m)							
Core #29 Box 18/19	From 87.50-88.49 m zone of subhorizontal, banded, white	* Samples 19, 20, 21					
279 - 289'	quartz and greenish/purplish fluorite, some brecciation,						
(85.04 - 89.09 m)	some blebs of accessory chalcopyrite. Bands make up						
Core #30 Box 19	40% of total rock. Lithology agglomeratic coarse grained	agglomeratic greenstone					
289 - 299'	with large cm size fragments, mm thin veinlets of						
(88.09 - 91.14 m)	white calcite at angles of mostly 30° to 45° to core axis.						
	At 96.13 m 2 cm thick veinlet (at 10°) of white calcite						
	rimmed with reddish, dendritic hematite greenish fluorite						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 7 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core #31 Box 20	in centre of fracture fill. At 98.23-98.35 and of						
299 - 309'	crackle breccia with calcite filling veinlets and as						
(91.14 - 94.18 m)	angular fragments in light green medium xln porphyritic						
	andesitic matrix. From 98.80 to 100.18 zone characterized						
Core #32 Box 20/21	by slight increase in veining. Veins consist of mm						
309 - 319'	thick infillings of calcite, general dip 20°-40°. One						
(94.18 - 97.23m)	dominant direction but with opposing conjugate direction						
	as well; at 99.84, 4 cm thick white quartz vein with						
	purplish/greenish mm's thick fluorite rim. Followed by						
	four 3-4 mm thick banded veinlets filled with chalcedony;						
	pyrite xls (5%) (fine to medium xln) and bleb of 1½ cm						
	diameter in surrounding gangue.						
Core #33 Box 21	At 100.50-100.80 zone of light grey, soft altered and						
319 - 329'	bleached greenstone, possibly kaolinite alteration.						
(97.23 - 100.28 m)	Some banded chalcedony/fluorite veins, light grey to off	* Samples 22, 23, 24					
	white (30° to 40°); accessory disseminated pyrite						
Core #34 Box 22	(fine xln). Lithology of agglomeratic, coarse xln altered						
329 - 339'	andesitic fragments as large as 10 cm diameter, mostly						
(100.28 - 103.33m)	angular, colors from rusty red to light green; veinlets						
Core #35 Box 22/23	filled with banded white and yellowish/white coarse						
339 - 349'	xln calcite, ≈60° dip, conjugate set with one direction						
(103.33 - 106.38m)							

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 8 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#35 Box#22/23	more prominent. Mostly hairline to mm but up						
(Continued)	to 2 cm maximum thick; attempt at crackle						
	breccia 105.50 - 105.64 cm greenstone and						
	fragments slightly calcareous indicating						
	alteration/veining ≈ 5% of rock volume.						
Core#36 Box#23	At 112.76 m 2 cm thick coarse xln calcite vein						
349 - 359'	dipping at 70°. Fragments range from few mm's						
(106.38-109.42m)	to several cm's, mostly angular to subangular;						
	some veining, irregular, subparallel to core axis						
Core#37 Box#23/24	and not following fracture planes.						
359 - 369'							
(109.42-112.47m)							
Core#38 Box#24/25	Lithology agglomeratic, fragmental as above						
369 - 379'	from 115.22 - 118.87 m; fewer veinlets, veining						
(112.47-115.52m)	less intense; from 118.87 - 119.10 m 5 calcite						
	filled fractures (mm's thick) 50° to axis						
	fracture fill with conjugate set of (? tension						
	gashes) up to 1 cm thick.						
Core#39 Box#25	Fractures filled with coarse xln calcite. At						
379 - 389'	121.84 - 122.02 m zone consisting of 50% calcite						
(115.52-118.57m)	veinlets at 20°; slight brecciation; lithology						

DIAMOND D .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 9 of 43
Section
Date Begun
Date Finished
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By L. Dekker
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#39 Box #25	change at 122.02m to coarse xln light greenish						
(Continued)	grey but predominantly red, hematitized and						
	chloritized andesite consisting of 70 to						
	80% kaolinized and chloritized feldspar and 10%						
Core#40 Box#25/26	to 20% dark minerals i.e.? augite or hornblende;						
389 - 399'	banded veins of calcite, chalcedony (?fluorite)						
(118.57-121.62m)	and hematite at 124.67m(6 cm thick), at 126.95m						
	(3 cm thick) and 127.86 m (3 m thick), dips						
	$70^{\circ}/80^{\circ}$; at 128.36 m sub-vertical calcite vein						
	straddling core.						
Core#41 Box#26/27							
399 - 409'							
(121.62-124.67m)							
Core#42 Box#27							
409 - 419'							
(124.67-127.71m)							
Core#43 Box#27/28	Calcite vein/subvertical 128.46 m to 129.56 m						
419 - 429'	approximately 1 to 2 cm wide; few fragments in						
(127.71-130.76m)	otherwise coarse xln andesite. Several calcite						
	veinlets subvertical, few mm's wide.						

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 10 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#44 Box#28/29	At 132.80 - 133.00 m several (mm thick) banded						
429 - 439'	calcite/hematite veinlets (70°-80°). At 135.80	m					
(130.76-133.81m)	color change from predominantly red to light						
	greenish/grey, crystallinity grading from						
	coarse to fine; accessory disseminated pyrite						
Core#45 Box#29	<5%. At 135.90 - 138.40 m mostly fine to						
439 - 449'	medium xln / light greenish/grey. Subvertical						
(133.81-136.86m)	calcite veinlets, slight brecciation at 137.70 -						
	138.40 m rare chalcedony bands (1 cm thick).						
Core#46 Box#29/30	From 138.40 - 150.35 m mostly coarse xln light						
449 - 459'	greenish/grey but grading to reddish in part.						
(136.86-139.60m)	Greenstone a.a. veinlets filled with banded						
	calcite/hematite at angles of 70/80° to bedding,						
	also angles of 20°. Some rare veinlets filled						
Core#47 Box#30/31	with chalcedony. Mostly mm to sub mm width,						
459 - 468'	some calcite veins up to a few cm's.						
(139.60-142.65m)							
Core#48 Box#31							
468 - 478.5'							
(142.65-145.85m)							

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 11 of 43 Lat.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By L. Dekker
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#49 Box#31/32	At 150.10 m banded white calcite vein (7 cm thick)						
478.5 - 489'	at 60°, with some mm thick hematite veinlets;						
(145.85-149.05m)	beyond vein lithology change to light greenish/						
	grey zone of slightly bleached greenstone with						
	increasing number mm thick of calcite/hematite						
Core#50 Box#32	veinlets 150.44 - 151.28 m, disseminated and						
489 - 499'	chalcopyrite/pyrite in host rock, fine xln., <5%.						
(149.05-152.10m)	This zone seems more altered andesite as result						
	of more intense veining (up to 30%) of rock						
	and some micro-brecciation (crackle breccia).						
	Light greenish/grey altered chloritized, mostly						
	fine but grading to coarse xln in part with						
Core#51 Box#33	disseminated fine xls of pyrite, white calcite						
499 - 509'	veinlets and patches, 40° to 50° conjugate, but						
(152.10-155.14m)	subvertical and subhorizontal as well. Areas						
	of heavy calcitization and incipient micro						
	brecciation at 154.38 - 154.68 m calcite vein						
Core#52 Box#33/34	steep 80° and 153.64 - 153.94 m / a few bright						
509 - 519'	green chlorite xls up to a few mm's in diameter						
(155.14-158.19m)	in calcite zones. At 155.42- 155.51 m zone of						
	calcite crackle breccia with ± 70% calcite.	* Samples 25, 26, 27.					

DIAMOND D..LL RECORD

PROPERTY M ICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 12 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#52 Box#33/34	At 155.60 - 156.30 m banded, white to medium						
(Continued)	grey chalcedony with light green fluorite						
	and green chlorite in thin laminae primarily at						
	top, some remnant patches with textures of, now						
	silicified, original porphyritic andesite. Some						
	accessory disseminated pyrite xls. Dips						
	variable from 20° to subvertical. Some achatic						
	textures.						
Core#53 Box#34	From 156.35-157.25m several laminated and banded						
519 - 529'	chalcedonic bands from mm's up to 1 cm thick,						
(158.19-161.24m)	dip from 30°-50°. From 157.50 - 158.40 m calcite						
	veinlets up to 30% of total rock, dips 40° to						
	50° but also irregular, subhorizontal; some						
	mm thick hematite veinlets, lithology thoroughly						
	chloritized and slightly carbonitized. At						
	158.96 - 159.16 m several 60° calcite/hematite/						
Core#54 Box#35	chlorite veinlets with mm hairline veinlets						
529 - 539'	cross cutting at 20°. From 159.40 - 160.10 m						
(161.24-164.29m)	slightly lighter fine xln, bleached, chloritized						
	zone with several cross cutting conjugate,						
	several mm thick, calcite/chlorite veinlets.						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 13 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#55 Box#35/36	From 160.10 - 164.09 m predominantly light						
539 - 549'	greenish/grey chloritized andesite. Mostly						
(164.29-167.37m)	fine to medium xln with cross cutting hairline						
	calcite veinlets (<5%) at angles of 45° and						
	10°. Some subvertical, thickest up to 6 mm.						
	Occasionally some disseminated, accessory						
	hematite and pyrite in groundmass. Grading to						
	intensely chloritized and altered medium to						
	coarse xln greenish to pinkish greenstone with						
	mm thick chlorite veinlets (up to 20%) from						
	164.09 - 165.10 m. At 165.10 - 165.25 m laminated						
	zone of intense veining at 45°,						
	calcite/fair amount of hematite, chlorite with some						
	accessory disseminated pyrite/?pyrrhotite.						
Core#56 Box#36	Light greyish/green greenstone, medium to						
549 - 559'	coarse xln, chloritized with mostly mm thick						
(167.37-170.38m)	calcite veinlets; At 167.40 - 167.77 m series						
	of mm thick veinlets with consistent unidirec-						
	tional 45° dip, accessory disseminated pyrite/						
	pyrrhotite in places; color becomes gradually						
	more pinkish/greenish due to blotches of reddish						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 14 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#56 Box#36	color; gradually changing to fragmental						
(Continued)	agglomerate at 168 m with fragments ranging from						
	mm's up to a cm in diameter, to at 169.40 m						
	red to light greyish/green coarse agglomerate						
	with fragments up to several cm's in diameter,						
	subangular to angular and medium xln to fine xln,						
	cross cutting calcite veinlets, a.a., colors						
	varying from reddish to greenish with fragmental						
Core#57 Box#37	zones more reddish colored. Two wider chloritic						
559 - 569'	calcite veinlets at 172.31-172.33 m and 172.43-						
(170.38-173.43m)	172.46 m at 20°, with some microbrecciations;						
	disseminated accessory pyrite/chalcopyrite.						
	Soft chloritized and calcitized zone steeply						
Core#58 Box#37/38	dipping at 70°/80° at 174.43 - 174.93 m. At						
569 - 579'	175.38 m lithology change from very coarse						
(173.43-176.48m)	fragmental/agglomeratic to predominantly light						
	to medium greenish/grey, fine to medium xln						
	andesite, chloritized with up to 20% mafic						
	minerals, thin calcite veinlets sub mm to several						
	mm's thick, conjugate set dips vary from 20° to						
	70° - small rare veinlets with epidote.						

DIAMOND D. LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 15 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#59 Box#38	At 177.75 m 3 cm thick calcite vein with some						
579 - 589'	brecciated angular greenstone fragments dipping						
(176.48-179.53m)	at 45°. Some grading to more hematitic reddish						
	color in predominantly greyish/green lithology.						
	At 181.50 grading into more reddish very						
Core#60 Box#38/39	coarse fragmental agglomerate which becomes						
589 - 599'	a mottled blotchy red and greyish/green mixture						
(179.53-182.58m)	of fragments at 183.18 m. Calcite/chlorite						
	veinlets increase slightly in number in frag-						
	mental zone and widen to up to few mm's. At						
	± 189.97 m fragmental grading to predominantly						
	very coarse to coarse xln greenish/grey						
Core#61 Box#39/40	andesite, chloritized and occasionally some						
599 - 609'	larger fragments, trace of disseminated pyrite/?						
(182.58-185.62m)	pyrrhotite. Zone of more intense random calcite						
	veining and chloritization at 189.62 - 189.92m.						
Core#62 Box#40	Zone of intense calcite/chlorite/fluorite						
609 - 619'	veining at 70° from 191.42 m - 192.20 m,						
(185.62-188.67m)	some disseminated pyrite/pyrrhotite.						
Core#63 Box#40/41							
619 - 629'							
(188.67-191.72m)							

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 16 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#64 Box#41/42	At 191.32 m grading from very coarse greenish/						
629 - 639'	grey greenstone to fragmental agglomerate with						
(191.72-194.77m)	more reddish tones. From 196.70 - 197.35 m	* Samples 28,	29,	30.			
	zone of intense silicification with light						
	greenish and greyish banded and laminated						
	chalcedony up to 50%, banding appears sub-						
	horizontal. Also fragments and areas of altered						
	greenstone pyritized, disseminated throughout						
Core#65 Box#42	fine to coarse xln, as well as blebs and patches						
639 - 649'	up to a few cm. Some small cavities. Some						
(194.77-197.82m)	brecciation and chloritization giving way to						
	zones of intense calcitization with calcite						
	veining and chloritization extending from						
	197.35 - 198.32 m and 198.78 - 199.22 m. Some						
	brecciation, calcite up to 40%.						
Core#66 Box#42/43	Lithology very coarse agglomeratic and fragmental,						
649 - 658'	varicolored blotchy reddish but mostly greenish,						
(197.82-200.56m)	grading in places to very coarse xln altered						
	chloritized greenstone. At 201.41m 1 cm thick						
	veinlet of white chalcedony rimmed with thin						
	(mm thick) chlorite/calcite. Dip 60° agglomerate						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 17 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#67 Box#43/44	texture presists, some brecciation. Several						
658 - 668.5'	thin chalcedony veinlets from 201.41 - 203.76m.						
(200.56-203.76m)	at 45° and steeper; also calcite veinlets. Colors						
	mostly greenish/grey with blotchy reddish spots						
	and fragments.						
Core#68 Box#44	Veining becoming more intense, also some						
668.5 -678 .5'	brecciation; at 203.76 to 204.06 m subvertical,						
(203.76-206.81m)	irregular few mm thick hematite/chalcedony						
	veinlet associated with pyrite xls, at 204.33 -						
	204.43 m ≈ 1 cm thick banded grey chalcedony						
	veinlet (60°) with some hematite and up to 8%						
	pyrite, medium to coarse xln, rimming vein wall						
	and as small patches as well as in gangue.						
Core#69 Box#44/45	At 204.80 m silicified zone with small veinlets						
678.5- 688.5'	filled with chalcedony increasing to 204.53 -						
(206.81-209.85m)	204.64 m 6 cm thick grey/green white band of						
	chalcedony with cavities containing secondary						
	quartz overgrowth and several coarse calcite						
	xls, accessory disseminated pyrite in gangue.						
Core#70 Box#45/46	From 203.76 approximately 211.10 m more						
688.5- 698.5'	intense veining at random as well as at 30°to40°						
(209.85-212.90m)							

DIAMOND D. LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 18 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#70 Box#45/46	veining and brecciation in mostly coarse xln						
(Continued)	greenstone grading to agglomerate in places.						
	6 cm thick calcite vein (40°) with brecciation						
	at 212.05 m.						
Core#71 Box#46	Mostly fine xln chloritized red hematitized						
698.5- 708.5'	andesite grading in part to medium xln, some						
(212.90-215.95m)	fragments, calcite/chlorite/hematite veinlets,						
	mostly mm thick but up to 2 cm thick at opposing						
	angles 20 to 50°; approximately grading to at						
	214.54 m approx. green, medium xln to occasionally						
	in part grading to pinkish green. Fine xln						
	and fragmental coarse agglomeratic greenstone,						
Core#72 Box#46/47	chloritized with disseminated accessory, fine						
708.5- 718.5'	xln pyrite in part. Fracture fill with calcite/						
(215.95-219.00m)	chlorite and sometimes hematite veinlets cross						
	cutting sets mostly at 40°-60° but also at						
	shallower and steeper dips, grading at 220.20 m						
	to coarse fragmental aggomerate (green) with						
Core#73 Box#47/48	fragments from few mm's to cm's, angular to						
718.5 - 729'	subrounded; at 223.60 m chlorite veining (green)						
(219.00-222.20m)	to 224.34 m, 60° to subvertical, giving way to						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 19 of 43 Lot.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By L. Dekker
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#73 Box#47/48	chlorite/carbonate veining with some grey						
(Continued)	chalcedony as well to 224.65 m. 224.65-226.28m						
Core#74 Box#48	greenstone, medium xln, chloritized, some mm						
729 - 739'	thick calcite veins. 226.28-230.00 m zone of						
(222.20-225.25m)	intense veining and brecciation in places,						
	70° to subvertical, irregular, mostly						
	while calcite as vein filling and patches up to						
	30% of rock chlorite veins.						
Core#75 Box#48/49	Some light to medium greyish chalcedony veinlets						
739 - 749'	1 cm thick from 228.90 - 229.45 m, some mixed in						
(225.35-228.30m)	hematite veining from 229.45 - 230.90 m approx-	* Samples 31, 32, 33.					
	imately. Some accessory fine xln pyrite.						
Core#76 Box#49/50	231.90 - 234.15 m medium xln grading in part to						
749 - 759'	fine xln greenstone a.a. with moderate number						
(228.30-231.34m)	of calcite veinlets grading to 2 of 2 cm thick						
	at 70°. Some lined with red hematite. At						
	234.15 m agglomerate to coarse fragmental,						
	mottled green grading to red, in part intensely						
	veined and crackle brecciation, calcite/chlorite/			'			
	hematite from 40° to subvertical, irregular						
	from few mm's up to 1 or 2 cm's, intense						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No MG83-1 Sheet No 20 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#77 Box#50	calcite, laminated hematite veining at 240.00-						
759 - 769'	240.29 m veins 60° to subvertical, veins 20% to						
(231.34-234.39m)	30% of rock volume.						
Core#78 Box#50/51							
769 - 779'							
(234.39-237.34m)							
Core#79 Box#51							
779 - 789'							
(237.34-240.49m)							
Core#80 Box#52	At 240.82 m zone of intense veining and brec-						
789 - 799'	ciation, mostly from 70° to subvertical, thoroughly						
(240.49-243.54m)	hematitized, particularly red zone 241.04 -						
	242.24 m. Zone extends to 244.84 m. Mostly						
	calcite filled veins and crackle - brecciated						
	patchy calcite as wisps, stringers almost like						
Core#81 Box#52/53	zebra texture. Hematitized and chloritized.						
799 - 809'	disseminated accessory pyrite, some flowage.						
(243.54-246.58m)	5 mm subvertical steep grey chalcedony veinlet						
	at 242.40 m. Some alteration to soft grey clay						
	in some of the veins (chlorite?) fragments of						
	gangue preserved amidst the veins. Total						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 21 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#81 Box#52/53	veining from 20% to 60% of lithology and grading						
(Continued)	to medium/coarse xln greenstone at 244.84 m						
Core#82 Box#53	grading to coarse agglomeratic at 245.18 m.						
809 - 819'	Mostly greenish to red (mottled/patchy). At						
(246.58-249.63m)	246.00 - 245.35 m zone crackle breccia with						
	calcite up to 20%. At 247.03 - 247.18 m 75°						
	irregular calcite/hematite/chalcedony veinlet.						
	Agglomerate is slightly calcareous, calcite						
	veinlets throughout, some greyish/white						
	chalcedony veinlets; some greenish? rhyolite						
	fragments and some fragments with coarser (1-3mm)						
	feldspar (unidirectional feldspar porphyry;						
	flow aligned). Some crackle brecciation of						
	calcite and chalcedony/hematite (248.39 -						
	248.62 m) at 50°. More chloritized and greenish,						
	some accessory disseminated pyrite. At 249.17-						
	249.63 m, light green more chloritized fine xln						
	zone (50°) with calcite/ some chalcedony veins						
	as well as hematite, fine xln disseminated						
	pyrite xls (3%), some small vugs.						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 22 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#83 Box#53/54	Lithology agglomerate (calcitized, carbonitized)						
819 - 829'	at 250.01 - 250.16 m 60° steep zone 6 cm thick						
(249.63-252.68m)	of banded and laminated calcite/red hematitic,						
	some accessory grey chalcedony from 250.57 -						
	251.95 m several zones (up to 50% of rock						
	volume) of banded and laminated calcite/						
	hematite/chlorite several cms thick dipping						
	from 50°-70°. Some accessory veinlets of grey						
	chalcedony; some crackle brecciation in part.						
Core#84 Box#54/55	Calcite veins becoming thicker. From 253.73 -						
829 - 839'	254.26 very coarse xln., xls 1 to 3 mm av.,						
(252.68-255.73m)	porphyritic, chloritized andesite. At 254.91 -						
	254.99 m porphyritic, very coarse xln as above.						
	Calcite/hematite veins with accessory						
	chalcedony veinlets within hematite/chlorite						
Core#85 Box#55	veining at 254.99 - 255.27 m						
839 - 849'	(14 cm) 60° and 255.32 - 255.46 m, 60°, 7 cm						
(255.73 -258.78m)	thick and 9 cm 50° at 255.67 - 255.81m. Conjugate						
	set at 256.42 - 256.55 m 2 cm thick calcite						
	vein at 30° w/hematite/calcite vein at opposing						
	40°.						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No 23 of 37 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#86 Box#55/56	257.74 - 258.18 m 7 cm thick veinlet (at 80°)						
849 - 859'	of laminated and banded calcite/very fine xln						
(258.78-261.82m)	hematite with accessory chlorite and grey						
	chalcedony veinlets. At 259.92 - 260.28 m						
	laminated series of veinlets (80°) (7 cm thick)						
	calcite/hematite/grey chalcedony/chlorite.						
	Calcite forms crackle breccia and thin calcite						
	veinlets cross cut chalcedony.						
Core#87 Box#56/57	Lithology still light green very coarse						
859 - 869'	agglomeratic and fragmental, zones of brecciation						
(261.82-264.87m)	and veining characterized by hematitization,						
	chloritization, calcite veining and brecciation						
	and some grey amorphous silica at 261.78 - 262.10m						
	and 262.71 - 262.68m; a few similar but thin						
	zones (1 to 2 cm) from 262.68 - 264.37 m; At						
Core#88 Box#59	264.69 - 264.88 m 70° 3 cm thick vein calcite/						
869 - 879'	hematite/chlorite. Good agglomeratic texture						
(264.87-267.92m)	persists to 265.75 where laminated and broken						
	quartz/hematite/chlorite veinlet, 8 cm thick,						
	persists to 265.91 m (quartz makes up 10% of vein						
	volume). Below vein lithology grades to more						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 24 of 43 Lat. Total Depth

Section Dep. Logged By L. Dekker

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#88 Box#59	altered, chloritized zone with less recognizable						
(Continued)	fragments and diffuse texture and brighter light						
	green color as opposed to light greyish/green.						
Core#89Box#57/58	Some brecciation, subvertical patch of mottled						
879 - 889'	hematite/chalcedony at 266.03 - 266.23 m ±;						
(267.92-270.97m)	mottled hematite/chalcedony vein (4 cm) at 266.49-						
	266.55 (40°) and at 266.65 - 266.70 m (3 cm thick)						
	(at 40°), fair amount of medium xln pyrite but						
	less than 5%. At 266.91 - 267.04 m brecciated						
	zone of hematitization and silicification with						
	cross cutting hairline veinlets of same.						
	Intensely chloritized with up to 5% pyrite as						
	(mm in diameter)patches and fine to medium xls.						
	At 267.27 - 267.77 m zone of intense silicification,						
	brecciation, chloritization and hematitization with						
	small vugs and cavities. Irregularly banded	* Samples 34, 35, 36.					
	with up to ≈5% accessory pyrite, fine to medium						
	xln, few small patches. Mottled light greenish/						
	red, dipping at ≈50°. Grading to at 267.77 m						
	calcite rich/hematite/chlorite zone with only						
	minor quartz. At 267.92 lithology becomes						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 25 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE
Core#89 Box#57/58	highly chloritized medium (to coarse)		
(Continued)	xln greenstone with irregular, mm's thick		
	crackle veinlets of calcite, subvertical		
	and at 30° which increase to ±40° of		
	rock at 268.77 m. Well preserved flow texture		
	(or shear fabric?) 45° in andesitic agglomerate;		
	maroon with green and red fragments; Fine		
	grained matrix; fragments < 5cm long; 10%		
	quartz veinlets; bottom meter is more bleached		
	due to clay-carbonate alteration. Rocks= flow		
	layered volcaniclastic.		
Core#90 Box#58/59	Bleached maroon and pale green; hematitic		
889 - 899'	stringers <1 mm thick (5-10%); quartz veins		
(270.97-274.02m)	<1 cm thick (<5% rocks volume); fractures		
	at 60°; quartz veins are microfaulted; extensive		
	clay-carbonate alteration; primary texture		
	partially lost; brecciated quartz zone from		
	271.17 to 271.77m; more massive than core #89.	*Sample 37.	
	Rocks= (?) andesite within narrow (< 5 cm)		
	shear zones. Andesitic intrusive texture to		
	rock; becomes brecciated at 273.52 to 274.02 m;		

DIAMOND D...LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No 26 of 43 Lat.
Section Dep. Vertical
Date Begun April 17, 1983 Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#90 Box#58/59	brecciated quartz vein and andesite, 10 cm wide						
(Continued)	zone at 273.22 to 273.32 m.						
Core#91 Box#59	Brecciated, pale green andesitic intrusive, some						
899 - 909'	massive sections up to 40 cm in length; cut by						
(274.02-277.06m)	hematitic fractures ($<$ 5 cm thick average $\approx$ 5 mm)						
	and vuggy, purple and colourless fluorite -						
	quartz veins, some finely laminated, grey						
	chalcedony veins; bleached, brecciated zones						
	with very fine, disseminated pyrite (up to 15%						
	average $\approx$ 2%); white quartz vein (5 cm thick)						
	at 275.27 to 275.32 m; below $\approx$275 m rocks=						
	volcaniclastic, fragments $<$ 5 cm long, angular,						
	fine grained matrix, bleached, cut by laminated						
	chalcedony, pyritic (2%).						
Core#92 Box#59/60	Continuation of volcaniclastics from 275 m,						
909 - 919'	green and maroon fragments; maroon to grey						
(277.06-280.11m)	matrix; andesitic porphyry fragments; well						
	laminated, grey chalcedony veins with shallow						
	($<35^{o}$) dips; matrix is somewhat bleached						
	(silicified?); pyritic contacts of quartz						
	veins with host rocks; quartz veins from						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 27 of 43 Lat.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#92 Box#59/60	277.61 to 277.86 m with pyritic volcaniclastics	* Sample 40.					
(Continued)	between veins; hematite stringers cut by						
	chalcedony veins.						
Core#93 Box#60/61	Medium grained, volcaniclastic; angular frag-						
919 - 929'	ments; maroon and green fragments; brecciated						
(280.11-283.16m)	quartz vein and laminated chalcedony vein at						
	281.11 to 281.21 m, shallow dip ($<30^{\circ}$);						
	chalcedony vein (2 cm thick) at 282.31 m with						
	a bleached contact extending 4 cm into host						
	rocks; below 282.81 m rocks dominantly						
	feldspar phenocrysts in maroon matrix (or						
	groundmass)						
Core#94 Box#61	Bleached maroon volcaniclastic; zones of						
929 - 939'	feldspar porphyry (very large clasts or flows?);						
(283.16-286.21m)	5% chalcedony veins <3 cm wide; pyrite						
	associated with quartz veins; minor carbonate						
	veining; well preserved primary texture ⇒						
	volcanic breccia; chalcedony veins at 284.16						
	to 284.20 m and 285.85 to 285.90 m.	* Samples 41, 42, 43.					
Core#95 Box#61/62	Top 60 cm fine grained, maroon, intrusive						
939 - 949'	texture; remainder is greyish volcaniclastic;						
(286.21-289.26m)							

DIAMOND D.LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 28 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#95 Box#61/62	saussuritized feldspar laths in fragments and						
(Continued)	matrix; maroon and green fragments; same as						
	core #94; 5% quartz veinlets.						
Core#96 Box#62/63	Medium grained; volcaniclastics; angular frag-						
949 - 959'	ments; 10% quartz veins; veins dip $<35^{\circ}$; rock						
(289.26-292.30m)	is greyish; feldspar laths abundant in matrix						
	and fragments; very finely disseminated pyrite						
	throughout, more concentrated adjacent to						
	quartz veins, up to 3% pyrite; white carbonate						
	veinlets (<2%) cut quartz veins; 17 cm wide,						
	dark grey chalcedony vein at 292.13 to 292.30 m	* Sample 45.					
	and a 5 cm wide vein at 291.85 m; pyritic						
	(2-3%) host rocks between veins.						
Core#97 Box#63	Volcaniclastic like core#96 with 15% quartz						
959 - 969'	veining; 35 cm wide silicified zone with 2%	* Sample 46.					
(292.30-295.35m)	pyrite at 294.80 to 295.15 m; it is steeply						
	dipping ($>60^{\circ}$), hematitic staining to part of						
	this zone; rest of core is medium grained,						
	greyish volcaniclastic, top 70 cm contains						
	coarser material; bottom 20 cm (after silicified						
	zone) is pale greenish and partially silicified.						

DIAMOND DRILL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 29 of 43 Lat.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#98 Box#63/64	Pale greenish grey volcaniclastic breccia;						
969 - 979'	maroon and green fragments; porphyritic						
(295.35-298.40m)	(feldspar lath) flow rocks are common fragments;						
	feldspar laths in matrix; chlorite alteration						
	varies; chlorite veins up to 1 cm thick, some						
	with vuggy quartz; dips vary from shallow ($<30^{o}$)						
	to steep ($>60^{o}$); 1-2% very fine disseminated						
	pyrite through entire core; quartz veins cross-						
	cut each other (several generations); 5-10%						
	veining.						
Core#99 Box#64	Grey and pale green volcaniclastic breccia						
979 - 989'	similar to core #98; zones of pale green,						
(298.40-301.45m)	chlorite altered rocks with chlorite-quartz						
	veining; hematite stringers (< 3%) cut by some						
	quartz veins; all veins (hematite, quartz and						
	chlorite) can be truncated and displaced						
	slightly; dips are steep ($>60^{o}$); 15-20%						
	veining; 1-2% very fine disseminated pyrite;						
	purple, vuggy fluorite vein (5mm thick) at						
	300.10 m; 15 cm zone of intense fracturing						
	filled with white quartz at 301.35 to 301.40m.						

DIAMOND DRILL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 30 of 43 Lat.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE
Core#100 Box#65	Pale green volcaniclastic breccia; chlorite		
989 - 999'	altered; cut by white carbonate and quartz		
(301.45-304.50m)	veins; veins <1cm thick, dip steeply (50°-75°),		
	more carbonate than quartz veining; 2 cm thick		
	carbonate-quartz vein at 301.95m, crackle		
	breccia zone at 302.85 to 302.95 m; chlorite		
	veinlet at 302.45 m; 1 cm carbonate-quartz vein	* Sample 47.	
	at 303.45 m; green chalcedony vein (< 2 cm		
	thick) at 303.80 m; very fine disseminated		
	pyrite, content varies from 0 to 2%.		
Core#101 Box#65/66	Pale green volcaniclastic breccia; 5-8%		
999 - 1009'	chalcedony veinlets; trace purple fluorite;		
(304.50-307.54m)	very fine disseminated pyrite (2%); some green		
	chalcedony veining at 303.50 m; maroon matrix		
	with greenish (saussuritized) feldspar laths		
	zone 10 cm wide above a 2.5 cm thick quartz-		
	fluorite vein at 306.44 m to 306.59 m; fragments		
	are polymictic volcanic material, matrix		
	supported; spotty concentrations of pyrite		
	<3 mm long.		

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 31 of 43 Lot
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE
Core#102 Box#66	3 distinct lithologies: (1) pale green volcanic-		
	lastic breccia similar to cores #99, 100 and 101,		
	from 307.54 to 308.54m; 2% disseminated pyrite,		
	pyrite also concentrated along chalcedony		
	veinlets, trace hematite veinlets; 2 cm thick		
	laminated chalcedony-quartz vein at 308.34m,		
	~35° dip; (2) 160 cm wide zone of bleached		
	pale green, silicified volcaniclastic breccia		
	and quartz veins; green, grey and white		
	chalcedony veining; quartz-chalcedony veins		
	at 308.99 to 309.05 m (6 cm wide) and 309.16		
	to 309.54m (48 cm wide); volcaniclastic	* Samples 48, 49, 50.	
	breccia between veins is silicified; trace		
	(~ 1% very finely disseminated pyrite; quartz		
	veins are laminated, sections are brecciated,		
	contact with host is sharp but silicification		
	continues into host; (3) gradational change		
	in unsilicified, dominantly maroon volcaniclastic		
	breccia; more fragments; polymictic volcanic-		
	lastic fragments; same lithology below 310.59m;		
	purple fluorite vein (5 mm thick) at 310.25 m;		
	5%carbonate veinlets.		

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 32 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#103 Box#66/67	Maroon volcaniclastic breccia, polymictic,						
1019 - 1029'	dominantly angular fragments, some subrounded						
(310.59-313.64m)	clasts, quartz vein at 311.62 to 311.65 m;						
	vuggy quartz vein at 311.94 m; steeply dipping						
	(> 60°) white carbonate veins between 312.90						
	to 313.30 m; fragments up to 5 cm long; matrix						
	supported; 5-10% carbonate veining; immature,						
	angular wacke texture; probable epiclastic						
	volcanic sediment.						
Core#104 Box#67/68	Maroon, volcaniclastic sediment; chlorite altered						
1029 - 1039'	zone at 313.84 to 314.15 m; 25% carbonate						
(313.64-316.69m)	veining between 313.95 to 314.35 m; 5% veining						
	elsewhere; angular and subrounded fragments;						
	coarse, angular matrix; polymictic volcanic						
	matrix and clasts; carbonate stringers at						
	any orientation; similar to lower part of						
	core #103 and core #105.						
Core#105 Box#68	Maroon epiclastic volcanic sediment; polymictic;						
1039 - 1049'	maroon, grey, green and brown clasts; carbonate						
(316.69-319.74m)	veinlets (5%); colourless fluorite and						
	chalcedony veinlets (< 2%); trace pyrite appears						
	to have a shallow dip (< 20°); narrow (< 3 cm)						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 33 of 43 Lat.
Section Dep.
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#105 Box#68	bleached zone adjacent to chalcedony-pyrite						
(Continued)	veinlet at 318.34 m; quartz-carbonate vein						
	at 317.05 m (4 cm wide).						
Core#106 Box#68/69	Maroon epiclastic volcaniclastic sediment						
1049 - 1059'	similar to core #105; 5% irregular carbonate						
(319.74-322.78m)	veining; bleached zone between 322.29 to						
	322.68 m, chlorite content increases in						
	bleached zone; 2 - quartz veins (1 cm and 2 cm						
	wide) in centre of bleached zone; partial						
	silicification adjacent to veins; angular and						
	subrounded fragments.						
Core#107 Box#69/70	Maroon epiclastic volcaniclastic sediment;						
1059 - 1069'	carbonate in matrix and as veinlets (10%);						
(322.78-325.83m)	similar to previous descriptions; granitic						
	dyke? at 323.54 - 323.58 m (4 cm thick);						
	irregular contact in detail with sediment;						
	tension fractures filled with carbonate;						
	veinlets < 5 mm wide, most ~1 mm thick, 7 cm						
	thick maroon unit at 325.53 to 325.60m , has						
	intrusive texture, (dyke or large clast?)						

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 34 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#108 Box#70	Maroon epiclastic volcanic sediment; same as						
1069 - 1079'	previous cores; more subrounded clasts; angular						
(325.83-328.88m)	poorly sorted, medium grained matrix; matrix						
	supported; 5% white carbonate veinlets,						
	shallow (< 25°) dip; bedding appears to be						
	shallow (< 25°).						
Core#109 Box#70/71	Maroon, volcanic pebbly sandstone; similar to						
1079 - 1089'	cores #103 to 108; 5-10% carbonate veining;						
(328.88-331.93m)	up to 50° dip on veins; brecciated wall rock						
	in larger veins; angular to subrounded clasts						
	< 6 cm long; 5 cm wide carbonate vein at						
	329.88 to 329.93 m; tensional fractures almost						
	vertical (parallel to core axis) filled with						
	carbonate, <1 mm thick.						
Core#110 Box#71/72	Maroon, volcanic pebbly sandstone wacke; same						
1089 - 1099'	as above; carbonate vein at 332.33 to 332.35m						
(331.93-334.98m)	(2 cm wide); crackle breccia 20 cm wide at						
	333.93 - 334.13 m, carbonate matrix, minor	* Sample 51					
	chlorite; rounded granitic clast (dioritic						
	composition?); 5% carbonate veining.						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 35 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#111 Box#72	Maroon, volcanic pebbly wacke, polymictic, <5%						
1099 - 1109'	calcite veining; shallow ($<35^{\circ}$) dips; 2 cm						
(334.98-338.02m)	thick quartz vein at 336.48 m, chlorite						
	alteration 5 cm into wacke above vein, medium						
	grained subrounded clasts up to ~8 cm long;						
	bedding dips $<25^{\circ}$.						
Core#112 Box#72/73	Maroon, volcanic wacke, polymictic, calcite in						
1109 - 1119'	matrix and in veinlets, 15% calcite veinlets,						
(338.02-341.07m)	clasts displaced along calcite veinlets (right						
	lateral), veins dip $30-60^{\circ}$, calcite and chlorite						
	vein ~5 mm thick at 338.22 m, irregular veinlets,						
	tensional fractures, more veining than previous						
	maroon wacke core.						
Core#113 Box#73/74	Maroon volcanic wacke, similar to core #112,						
1119 - 1129'	less calcite veining than core #112, 5-10%						
(341.07-344.12m)	calcite veinlets, veinlets average <1 mm thick,						
	polymictic, calcite-hematite fractures at						
	341.92 m, steeply dipping ($\sim 60^{\circ}$), 7 mm thick						
	calcite vein at 341.57 m, more pronounced dis-						
	placement of clasts along fractures (several mm's						
	across each fracture).						

DIAMOND D. .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 36 of 43 Lat. Total Depth

Section Dep. Logged By D. Brown

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#114 Box#74	Maroon volcanic wacke, pebbly, polymictic,						
1129 - 1139'	similar to previous descriptions, calcite and						
(344.12-347.17m)	chlorite and hematite vein at 345.12 - 345.16 m,						
	some clasts have weathered rims, 5% calcite						
	veining, variable dips.						
Core#115 Box#74/75	Maroon volcanic wacke, medium grained matrix						
1139 - 1149'	supporting subrounded clasts up to 4 cm long,						
(347.17-350.22m)	5-10% calcite veinlets, calcite + chlorite veins						
	at 347.79 m, 349.02 and 350.07 m, last 15 cm						
	(350.07 - 350.22m) calcite and chlorite						
	increases to ≈35%, replaces matrix and in						
	veinlets, clasts larger than core #114, clasts						
	up to 8 cm long.						
Core#116 Box#75/76	Maroon volcanic wacke, similar to core #116,						
1149 - 1159'	left-lateral displacement across calcite vein-						
(350.22-353.26m)	lets, truncated clasts on vertical and shallow						
	dipping microfaults, zones of partial brecciation,						
	chlorite content of calcite veins is increasing,						
	greenish colour of some veinlets, calcite and						
	chlorite veinlets at 350.87m, 351.47 m, 351.72m,						
	352.47 m and 352.57 m; some chloritic veinlets						

DIAMOND D .LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-1 Sheet No. 37 of 43 Lot
Section Dep.
Date Begun Bearing
Date Finished Elev. Collor

Total Depth
Logged By D. Brown
Claim
Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
Core#116 Box#75/76 (Continued).	post calcite veinlets, partial brecciation at 351.47 - 351.55 m, matrix more calcite content than previous cores, veinlets at all orientations, some conjugate sets; chloritic calcite veins at 352.47 m and 352.57 m are 3.5 cm and 2.5 cm thick.						

DIAMOND D .LL RECORD

PROPERTY MICROGOLD HOLE No. 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 83-1 Sheet No. 38 of 43 Lat.
Section Dep. Vertical
Date Begun April 17/83 Bearing
Date Finished Elev. Collar

Total Depth
Logged By Derek Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE
CORE#117 BOX#76	Maroon volcanic wacke, calcite and quartz vein		
1159' - 1169'	(1.5cm thick) at 353.54m, calcite and chlorite		
(353.26-356.31m)	(1cm thick) at 354.06m, calcite vein (1cm		
	thick) at 354.58m and 355.48m, 5-10% calcite		
	veinlets, some shallow, steep and ~ vertical		
	dips, left-lateral displacement, medium		
	grained matrix, surrounded clasts up to 7cm		
	long.		
CORE#118Box#76/77	Maroon volcanic wacke, similar to previous cores,		
1169' - 1179'	5-10% calcite veining, medium grained matrix,		
(356.31-359.36m)	shallow dipping. Calcite and chlorite veins		
	(<1cm thick) at 356.40m, 356.76, 357.21, and		
	357.51m; 5cm thick vein of calcite-quartz-		
	green quartz at 378.81-378.86m, wacke		
	bleached for 25cm above vein=more calcite		
	and chorite and pyrite than unaltered rocks,		
	1-2% pyrite in bleached zone, below vein	* Samples 52, 53 and 54.	
	rocks is unaltered.		
CORE#119BOX#77/78	Maroon volcanic wacke, calcite veins (~0.8cm		
1179' - 1189'	thick) at 359.41m and 359.66m, 5% calcite		
(359.36-362.41m)	veining, bleached zone 7cm wide at 360.95m		

DIAMOND D .LL RECORD

PROPERTY MICROGOLD HOLE No. 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 83-1 Sheet No. 39 of 43 Lat.
Section Dep. Vertical
Date Begun April 17/83 Bearing
Date Finished Elev. Collar

Total Depth
Logged By Derek Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
CORE#119BOX#77/78	with calcite and chlorite veinlets, at 361.50m						
(Continued)	calcite and chlorite vein ~3cm thick, below						
	this matrix completely replaced by calcite						
	and chlorite for ~10cm from 361.53-361.63m,						
	below 361.50m wacke matrix is greenish						
	(calcite and chlorite), abundant chlorite						
	alteration of fragments, 25% chlorite and						
	calcite.						
CORE#120 BOX#78	Green chlorite altered "Maroon volcanic wacke,						
1189' - 1199'	matrix and clasts chlorite altered, 8%						
(362.41-365.46m)	calcite veinlets, < 3% chlorite veinlets < 1mm						
	thick, coarse pebbly section from 365.00 to						
	365.46m, polymictic.						
CORE#121BOX#78/79	Green chlorite alteration continues from Core						
1199' - 1209'	#120 to 365.96m, 5-10% calcite veining, below						
(365.46-368.50m)	365.96m maroon volcanic wacke with minor						
	chlorite, fossiliferous limestone clast at						
	366.60m, 2% limestone clasts, polymictic,						
	clast of folded phyllite, calcite + chlorite						
	veins at 366.0m (1.5cm thick) and 366.20m						
	(2cm thick).						

DIAMOND D..LL RECORD

PROPERTY MICROGOLD HOLE No. 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 83-1 Sheet No. 40 of 43 Lat.
Section Dep. Vertical
Date Begun April 17/83 Bearing
Date Finished Elev. Collar

Total Depth
Logged By Derek Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
CORE#122 BOX#79	Maroon volcanic wacke, 5-10% calcite veining,						
1209' - 1219'	moderate dips (30^{o}-65^{o}), fossiliferous lime-						
(368.50-371.55m)	stone clast at 369.40m, medium grained, clasts						
	< 6cm, average ~2cm, calcite in matrix						
	(primary cement or replacing muddy cement?),						
	rare chlorite in calcite veinlets.						
CORE#123BOX#79/80	Maroon volcanic wacke, 10% calcite veining, 2cm	* Sample 55.					
1219' - 1229'	calcite vein at 373.25m with a bleached pale						
(371.55-374.60m)	green zone extending 5cm on each side, 1cm						
	calcite + chlorite vein at 374.10m						
CORE#124BOX#80/81	Maroon volcanic wacke, 5% calcite $\pm$ chlorite						
1229' - 1239'	veining, generally steep (> 60^{o}) dips,						
(374.60-377.65m)	truncated calcite veins at 375.00m, 375.20m,						
	376.35m and 377.15m						
CORE#125 BOX#81	Maroon volcanic wacke, 5% calcite veinlets,						
1239' - 1249'	medium grained matrix, pebble-size clasts						
(377.65-380.70m)	average <2cm long, shallow to vertical dipping						
	veinlets, trace chlorite in some veinlets,						
	limestone clast at 380.20m						
CORE#126BOX#81/82	Maroon volcanic wacke, calcite $\pm$ chlorite veins						
1249' - 1259'	at 380.70m (1cm thick), 381.05m (1.5cm thick)						
(380.70-383.74m)							

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 83-1 Sheet No. 41 of 43 Lot.
Section Dep. Vertical
Date Begun Bearing
Date Finished Elev. Collar

Total Depth
Logged By Derek Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
CORE#126 BOX#81/82 (Continued)	bleached calcite and chlorite zone at 381.78-381.90m (12cm) and 382.60-382.80m (20cm), "Crackle Breccia" in bleached zone; <5% calcite veining.	* Sample 56.					
CORE#127 BOX#82/83 1259' - 1269' (383.74-386.79m)	Maroon volcanic wacke, <5% calcite veining, calcite + chlorite vein (1cm thick) at 384.16m, chlorite and hematite. Shear surfaces, most clasts <2cm long, chlorite veinlets at 386.15, 386.25, and 386.65m						
CORE#128 BOX#83 1269' - 1279' (386.79-389.84m)	Maroon volcanic wacke, clasts <3cm long, <3% calcite veining, 5% chlorite veinlets, slightly bleached below 387.20m, 2% colourless and purple fluorite in veinlets, trace pyrite.						
CORE#129BOX#83/84 1279' - 1289' (389.84-392.89m)	(1) Slightly bleached maroon volcanic wacke as in core #128 to 390.84m; (2) Below 390.84m to 391.35m extensively bleached (partially silicified and chloritized) wacke, brecciated, 10% chlorite veinlets, 2% disseminated pyrite and (3) Dark green to black rock, well foliated (sheared), locally bedding appears to parallel shear planes, rocks = fine grained,	* Samples 57, 58 and 59.					

DIAMOND D LL RECORD

PROPERTY MICROGOLD HOLE No. MG83-4

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. MG83-4 Sheet No. 42 of 43 Lot.
Section Dep. 60
Date Begun May 9, 1983 Bearing 110°
Date Finished May 11, 1983 Elev. Collar

Total Depth 297'/90.52m
Logged By D. Shaw
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
CORE#129BOX#83/84 (Continued)	siltstone (mudstone), brecciated zones with fractures filled with quartz, chlorite and pyrite, 3-5% disseminated pyrite, light grey siltstone beds within finer shaley mudstone, graded bedding, steeply dipping (>60°) shear zone at 391.44m to 391.84m (40cm wide), quartz + chlorite vein (2cm thick) at 392.44m; chlorite and quartz zone (7cm wide) at 392.50-392.57m, brecciated zones below 392.40m, locally pyrite surrounds fragments, left-lateral displacement on microfaults.						
CORE#130BOX#84/85 1289' - 1299' (392.89-395.94m)	Black siltstone/mudstone, fine grained sections are lighter grey, aphanitic mudstone is black, well preserved "normal graded-bedding", fining upwards, bedding dips ~55°, green and purple fluorite (<1%), pyrite content varies with lithology, blacker mudstone contains up to 8% pyrite, pyrite also in fractures, siliceous fragments in siltstone, 8-10% quartz veining; thinly bedded siltstone units at 393.10-393.40m; 393.70-394.10m; 394.35-394.55m; 394.70m; 395.35 and 395.85m.						

DIAMOND D ..LL RECORD

PROPERTY MICROGOLD HOLE No. 83-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 83-1 Sheet No. 43 of 43 Lat.
Section Dep. Vertical
Date Begun April 17, 1983 Bearing
Date Finished Elev. Collar

Total Depth
Logged By Derek Brown
Claim Microgold
Core Size NQ

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
CORE#131 BOX#85	Black mudstone, brecciated from 396.44m to						
1299' - 1309'	397.04m and 398.75-398.98m, greyish siltstone	* Sample 60.					
(395.94-398.98m)	at 397.98 to 398.15m, 15-20% calcite veining,						
	0-3% disseminated pyrite.						
CORE#132 BOX#85/86	Black mudstone/grey siltstone, first 67cm to						
1309' - 1319'	399.65m brecciated mudstone, calcite + chlorite						
(398.98-402.03m)	between fragments, siliceous siltstone at 400.30-						
	400.80m, pyritic zones and disseminated, up						
	to 5%.						
CORE#133BOX#86/87	Black mudstone with grey siltstone layers, 5%						
1319' - 1329'	calcite veining, moderate dips, bedding dips						
(402.03-405.08m)	at ~ 55°, quartz veinlets <2%, pyrite						
	patches 2-3%, some chlorite in veinlets.						
CORE#134 BOX#87	Black siltstone/mudstone, 5% calcite veinlets,						
1329' - 1339'	2% quartz veinlets, chlorite in some veinlets,						
(405.08-408.13m)	moderate to steep dips.						
CORE#135BOX#87/88	(1)Black mudstone/siltstone to 408.70m, 5%						
1339' - 1344'	calcite veinlets; (2) Below 408.70m greenish						
(408.13-409.65m)	crystal-lithic tuff,feldspar crystals,polymictic						
	rock fragments,chlorite alteration to fragments						
	and matrix, contact with mudstone is steep(~65°)						
	probably bedding,5% calcite veinlets in tuff,clasts up to 3cm long.						

409.65 m END OF HOLE

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

ATTN: LARRY DECKER

CERT. # : A8311165-001-A
INVOICE # : I8311165
DATE : 13-MAY-83
P.O. # : NONE
M 522

Sample description	Prep code	Ag ppm	AS ppm	Au FA+AA ppb			
MG83-1 1	205	0.5	57	30	--	--	--
MG83-1 2	205	0.9	325	600	--	--	--
MG83-1 3	205	0.1	130	75	--	--	--
MG83-1 4	205	1.1	285	500	--	--	--
MG83-1 5	205	1.2	55	175	--	--	--
MG83-1 8	205	0.5	330	195	--	--	--
MG83-1 9	205	0.3	88	55	--	--	--
MG83-1 10	205	0.5	270	300	--	--	--
MG83-1 11	205	0.5	220	295	--	--	--
MG83-1 14	205	0.4	71	210	--	--	--
MG83-1 16	205	0.1	15	10	--	--	--
MG83-1 17	205	0.1	16	30	--	--	--
MG83-1 18	205	0.1	16	30	--	--	--
MG83-1 19	205	0.1	88	5	--	--	--
MG83-1 20	205	0.3	43	95	--	--	--
MG83-1 21	205	0.1	80	295	--	--	--
MG83-1 22	205	0.1	65	25	--	--	--
MG83-1 25	205	0.1	23	10	--	--	--
MG83-1 26	205	1.0	11	500	--	--	--
MG83-1 27	205	0.2	15	5	--	--	--
MG83-1 29	205	0.1	71	160	--	--	--
MG83-1 30	205	0.1	22	15	--	--	--
MG83-1 32	205	0.1	48	10	--	--	--
MG83-1 33	205	0.1	20	5	--	--	--
MG83-1 34	205	0.1	20	10	--	--	--
MG83-1 35	205	0.1	48	60	--	--	--
MG83-1 37	205	0.1	4	5	--	--	--
MG83-1 38	205	0.2	120	1250	--	--	--
MG83-1 39	205	0.1	130	360	--	--	--
MG83-1 40	205	0.7	65	140	--	--	--
MG83-1 42	205	0.1	90	225	--	--	--
MG83-1 44	205	0.4	65	550	--	--	--
MG83-1 45	205	1.7	94	1050	--	--	--
MG83-1 46	205	0.4	27	55	--	--	--
MG83-1 47	205	0.3	77	70	--	--	--
MG83-1 48	205	0.7	43	70	--	--	--
MG83-1 49	205	0.6	16	335	--	--	--
MG83-1 50	205	0.1	22	25	--	--	--
MG83-1 51	205	0.1	3	<5	--	--	--
MG83-1 53	205	0.1	115	40	--	--	--

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
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TO : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

ATTN: LARRY DECKER

CERT. # : A8311165-002-A
INVOICE # : I8311165
DATE : 13-MAY-83
P.O. # : NONE
M 522

Sample description	Prep code	Ag ppm	As ppm	Au FA+AA ppb			
MG83-1 54	205	0.1	61	65	--	--	--
MG83-1 55	205	0.1	17	5	--	--	--
MG83-1 56	205	0.1	3	<5	--	--	--
MG83-1 57	205	0.1	113	15	--	--	--
MG83-1 58	205	1.4	71	15	--	--	--
MG83-1 60	205	0.4	260	160	--	--	--

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TELEPHONE: (604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

ATTN: LARRY DECKER

CERT. # : A8311165-001-A
INVOICE # : I8311165
DATE : 13-MAY-83
P.O. # : NONE
M 522

Sample description	Prep code	Ag ppm	AS ppm	Au FA+AA ppb			
MG83-1 1	205	0.5	57	30	--	--	--
MG83-1 2	205	0.9	325	600	--	--	--
MG83-1 3	205	0.1	130	75	--	--	--
MG83-1 4	205	1.1	285	500	--	--	--
MG83-1 5	205	1.2	55	175	--	--	--
MG83-1 8	205	0.5	330	195	--	--	--
MG83-1 9	205	0.3	88	55	--	--	--
MG83-1 10	205	0.5	270	300	--	--	--
MG83-1 11	205	0.5	220	295	--	--	--
MG83-1 14	205	0.4	71	210	--	--	--
MG83-1 16	205	0.1	15	10	--	--	--
MG83-1 17	205	0.1	16	30	--	--	--
MG83-1 18	205	0.1	16	30	--	--	--
MG83-1 19	205	0.1	88	5	--	--	--
MG83-1 20	205	0.3	43	95	--	--	--
MG83-1 21	205	0.1	80	295	--	--	--
MG83-1 22	205	0.1	65	25	--	--	--
MG83-1 25	205	0.1	23	10	--	--	--
MG83-1 26	205	1.0	11	500	--	--	--
MG83-1 27	205	0.2	15	5	--	--	--
MG83-1 29	205	0.1	71	160	--	--	--
MG83-1 30	205	0.1	22	15	--	--	--
MG83-1 32	205	0.1	48	10	--	--	--
MG83-1 33	205	0.1	20	5	--	--	--
MG83-1 34	205	0.1	20	10	--	--	--
MG83-1 35	205	0.1	48	60	--	--	--
MG83-1 37	205	0.1	4	5	--	--	--
MG83-1 38	205	0.2	120	1250	--	--	--
MG83-1 39	205	0.1	130	360	--	--	--
MG83-1 40	205	0.7	65	140	--	--	--
MG83-1 42	205	0.1	90	225	--	--	--
MG83-1 44	205	0.4	65	550	--	--	--
MG83-1 45	205	1.7	94	1050	--	--	--
MG83-1 46	205	0.4	27	55	--	--	--
MG83-1 47	205	0.3	77	70	--	--	--
MG83-1 48	205	0.7	43	70	--	--	--
MG83-1 49	205	0.6	16	335	--	--	--
MG83-1 50	205	0.1	22	25	--	--	--
MG83-1 51	205	0.1	3	<5	--	--	--
MG83-1 53	205	0.1	115	40	--	--	--

Certified by .....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEVRON STANDARD LIMITED - MINERALS STAFF
ROCK LOG

No. MG 83-1

WELL	CHEVRON MG 83-1		PROJECT M 522			
AREA	STUMP LAKE					
LOCATION	LATITUDE 50°23'25" APP.	LONGITUDE 120°21'42" APP.	UTM GRID	NORTHING	EASTING	
ELEVATION	GROUND 3450' APP.	K.B./D.F. 3453' APP.	CONTROL LOG			
STATUS			CORE DIAMETER	INTERVAL(S)		
TOTAL DEPTH	409.65 m	1344 FT	NQ 1.875"			
OLDEST FM. PENETRATED	NICOLA GROUP					
SPUD DATE	APRIL 17/83	COMPLETION DATE MAY 2/83	SAMPLE QUALITY			
COMMENTS	CAMERON McCUTCHEON DRILLING LTD		LOGGED BY	INTERVAL	DATE	
	WITH SUPERDRILL, TRACK MOUNTED		L. DEKKER/D. BROWN			
	VERTICAL HOLE		PLOTTED BY	INTERVAL	DATE	
			L. DEKKER/D. BROWN			

WELL: CHEVRON MICROGOLD MG 83-1 — LOCATION

LITHOLOGIC KEY
GLACIAL DRIFT, SANDSTONE, SILTSTONE, SHALE & CLAYSTONE, CONGLOMERATE, LIMESTONE, DOLOMITE, ANHYDRITE, GYPSUM, SALT, VOLCANIC, IGNEOUS, METAMORPHIC, NO SAMPLES

FRAMEWORK TYPES
OOLITES, PISOLITES; PELLETS; F FOSSILIFEROUS; ALGAE, ALGAL; FORAMINIFERS; PELECYPODS; AMMONITES; BELEMNITES; BRACHIOPODS; CORALS; CRINOIDS

ACCESSORIES
ARGILLACEOUS; CALCAREOUS; DOLOMITIC; LIMESTONE LAMINAE &/or NODULES; DOLOMITE LAMINAE &/or NODULES; SILTY; K KAOLINITIC; PLANT REMAINS; NODULES; CARBONACEOUS / BITUMINOUS MATERIAL; ANHYDRITE LAMINAE &/or NODULES

ALTERATION
FRACTURED; BRECCIATED; L LEACHED; Y STYLOLITIC; R RECRYSTALLIZED; HALITE FILLED FRACTURES

POROSITY GRADES

T	TIGHT	nil
TR	TRACE	0-2%
F	FAIR	2-6%
M	MEDIUM	6-12%
G	GOOD	12-20%
E	EXCELLENT	>20%

SHOWS
MINERAL SHOW; OIL SHOW; SLIGHT OR TRACE OIL SHOW; ASPHALT OR TAR OCCURRENCE; S SYLVITE; C CARNALLITE

GRAIN AND CRYSTAL SIZE SCALE

VERY FINE GRAINED	~~<.3 mm~~ 1/16 - 1/8 mm
FINE GRAINED	1/8 mm - 1/4 mm
MEDIUM GRAINED	1/4 mm - 1/2 cm
COARSE GRAINED	1/2 cm - 1.0 cm
VERY COARSE GRAINED	1.0 cm - 2.0 cm
EXTREMELY COARSE GRAINED	>2 cm

FRAGMENTS, BLEBS, CLOTS ETC. SIZE SCALE

VERY MINUTE	<1 mm
MINUTE	1 mm - 5 mm
SMALL	5 mm - 1 cm
MEDIUM	1 cm - 1.5 cm
LARGE	1.5 cm - 3.0 cm
VERY LARGE	>3.0 cm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,397

Core intervals

SURFACE CASING SET TO 10'

Core	Interval (ft)	Depth (m)	Samples
CORE #1	10'-19'	3.05-5.79 m	
CORE #2	19'-29'	5.79-8.84 m	
CORE #3	29'-39'	8.84-11.89 m	
CORE #4	39'-49'	11.89-14.94 m	13.82-13.95 SAMPLE 1/1TS; 13.95-14.25 SAMPLE 2/2TS
CORE #5	49'-59'	14.94-17.98 m	14.25-14.57 SAMPLE 3/3TS
CORE #6	59'-69'	17.98-21.03 m	
CORE #7	69'-79'		
CORE #8	79'-89'	24.08-27.13 m	
CORE #9	89'-99'	27.13-30.18 m	
CORE #10	99'-109'	30.18-33.22 m	32.35-32.47 SAMPLE 4/4TS; 32.47-32.87 SAMPLE 5/5TS
CORE #11	109'-119'	33.22-36.27 m	32.87-33.12 SAMPLE 6/6TS
CORE #12	119'-129'	36.27-39.32 m	
CORE #13	129'-139'	39.32-42.37 m	
CORE #14	139'-149'	42.37-45.42 m	
CORE #15	149'-159'	45.42-48.46 m	
CORE #16	159'-169'	48.46-51.51 m	
CORE #17	169'-179'	51.51-54.56 m	
CORE #18	179'-189'	54.56-57.61 m	
CORE #19	189'-199'	57.61-60.66 m	59.10-59.24 SAMPLE 7/7TS; 59.24-59.34 SAMPLE 8/8TS; 59.80-60.06 SAMPLE 9/9TS
CORE #20	199'-209'	60.66-63.70 m	
CORE #21	209'-219'	63.70-66.75 m	
CORE #22	219'-229'	66.75-69.80 m	
CORE #23	229'-239'	69.80-72.85 m	71.75-71.05 SAMPLE 10/10TS; 72.05-72.42 SAMPLE 11/11TS; 72.42-72.67 SAMPLE 12/12TS
CORE #24	239'-249'	72.85-75.90 m	
CORE #25	249'-258'	75.90-78.64 m	79.19-79.49 SAMPLE 13/13TS; 79.49-79.99 SAMPLE 14/14TS
CORE #26	258'-268'	78.64-81.69 m	79.99-80.16 SAMPLE 15/15TS; 80.41-80.66 SAMPLE 16/16TS
CORE #27	268'-269'	81.69-81.99 m	80.66-81.06 SAMPLE 17/17TS; 81.06-81.36 SAMPLE 18/18TS
CORE #28	269'-279'	81.99-85.04 m	
CORE #29	279'-289'	85.04-88.09 m	87.09-87.34 SAMPLE 19/19TS; 87.34-88.56 SAMPLE 20/20TS; 88.56-88.81 SAMPLE 21/21TS
CORE #30	289'-299'	88.09-91.14 m	
CORE #31	299'-309'	91.14-94.18 m	
CORE #32	309'-319'	94.18-97.23 m	
CORE #33	319'-329'	97.23-100.28 m	100.18-100.88 SAMPLE 22/22TS; 100.88-101.78 SAMPLE 23/23TS
CORE #34	329'-339'	100.28-103.33 m	SAMPLE #24 101.79-102.03 m
CORE #35	339'-349'	103.33-106.38 m	
CORE #36	349'-359'	106.38-109.42 m	
CORE #37	359'-369'	109.42-112.47 m	
CORE #38	369'-379'	112.47-115.52 m	
CORE #39	379'-389'	115.52-118.57 m	
CORE #40	389'-399'	118.57-121.62 m	
CORE #41	399'-409'	121.62-124.67 m	
CORE #42	409'-419'	124.67-127.71 m	
CORE #43	419'-429'	127.71-130.76 m	
CORE #44	429'-439'	130.76-133.81 m	
CORE #45	439'-449'	133.81-136.86 m	
CORE #46	449'-459'	136.86-139.60 m	
CORE #47	459'-468'	139.60-142.65 m	
CORE #48	468-478.5'	142.65-145.85 m	
CORE #49	478.5'-489'	145.85-149.05 m	
CORE #50	489'-499'	149.05-152.10 m	
CORE #51	499'-509'	152.10-155.14 m	
CORE #52	509'-519'	155.14-158.19 m	SAMPLE #25 155.39-155.64; SAMPLE #26 155.64-156.39; SAMPLE #27 156.39-156.64
CORE #53	519'-529'	158.19-161.24 m	
CORE #54	529'-539'	161.24-164.29 m	
CORE #55	539'-549'	164.29-167.37 m	
CORE #56	549'-559'	167.37-170.38 m	
CORE #57	559'-569'	170.38-173.43 m	
CORE #58	569'-579'	173.43-176.48 m	
CORE #59	579'-589'	176.48-179.53 m	
CORE #60	589'-599'	179.53-182.58 m	
CORE #61	599'-609'	182.58-185.62 m	
CORE #62	609'-619'	185.62-188.67 m	
CORE #63	619'-629'	188.67-191.72 m	
CORE #64	629'-639'	191.72-194.77 m	
CORE #65	639'-649'	194.77-197.82 m	SAMPLE #28,29,30 196.45-196.70, 196.70-198.40, 198.40-198.80
CORE #66	649'-658'	197.82-200.56 m	
CORE #67	658'-668.5'	200.56-203.76 m	
CORE #68	668.5'-678.5'	203.76-206.81 m	
CORE #69	678.5'-688.5'	206.81-209.85 m	
CORE #70	688.5'-698.5'	209.85-212.90 m	
CORE #71	698.5'-708.5'	212.90-215.95 m	
CORE #72	708.5'-718.5'	215.95-219.00 m	
CORE #73	718.5'-729'	219.00-222.20 m	
CORE #74	729'-739'	222.20-225.25 m	
CORE #75	739'-749'	225.25-228.30 m	
CORE #76	749'-759'	228.30-231.34 m	SAMPLES #31,32,33 228.30-228.70, 228.70-229.45, 229.45-231.85
CORE #77	759'-769'	231.34-234.39 m	
CORE #78	769'-779'	234.39-237.44 m	
CORE #79	779'-789'	237.44-240.49 m	
CORE #80	789'-799'	240.49-243.54 m	
CORE #81	799'-809'	243.54-246.58 m	
CORE #82	809'-819'	246.58-249.63 m	
CORE #83	819'-829'	249.63-252.68 m	
CORE #84	829'-839'	252.68-255.73 m	
CORE #85	839'-849'	255.73-258.78 m	
CORE #86	849'-859'	258.78-261.82 m	
CORE #87	859'-869'	261.82-264.87 m	
CORE #88	869'-879'	264.87-267.92 m	SAMPLES #34,35,36 266.70-266.87, 266.87-267.42, 267.42-268.32
CORE #89	879'-889'	267.92-270.97 m	
CORE #90	889'-899'	270.97-274.02 m	SAMPLE #37 271.22-271.77
CORE #91	899'-909'	274.02-277.06 m	SAMPLES #38,39 275.46-275.56, 275.56-277.71
CORE #92	909'-919'	277.06-280.11 m	SAMPLE #40 277.71-278.06
CORE #93	919'-929'	280.11-283.16 m	
CORE #94	929'-939'	283.16-286.21 m	SAMPLES #41,42,43 283.66-283.93, 283.93-284.26, 284.26-284.51
CORE #95	939'-949'	286.21-289.26 m	SAMPLE #40 286.00-286.10
CORE #96	949'-959'	289.26-292.30 m	SAMPLE #45 291.77-291.90 AND 292.13-292.30
CORE #97	959'-969'	292.30-295.35 m	SAMPLE #46 294.80-295.15
CORE #98	969'-979'	295.35-298.40 m	
CORE #99	979'-989'	298.40-301.45 m	
CORE #100	989'-999'	301.45-304.50 m	SAMPLE #47 302.20-302.55
CORE #101	999'-1009'	304.50-307.54 m	
CORE #102	1009'-1019'	307.54-310.59 m	SAMPLES #48,49,50 308.59-309.21, 309.21-309.64, 309.64-310.22
CORE #103	1019'-1029'	310.59-313.64 m	
CORE #104	1029'-1039'	313.64-316.69 m	
CORE #105	1039'-1049'	316.69-319.74 m	
CORE #106	1049'-1059'	319.74-322.78 m	
CORE #107	1059'-1069'	322.78-325.83 m	
CORE #108	1069'-1079'	325.83-328.88 m	
CORE #109	1079'-1089'	328.88-331.93 m	
CORE #110	1089'-1099'	331.93-334.98 m	SAMPLE #51 333.97-334.17
CORE #111	1099'-1109'	334.98-338.02 m	
CORE #112	1109'-1119'	338.02-341.07 m	
CORE #113	1119'-1129'	341.07-344.12 m	
CORE #114	1129'-1139'	344.12-347.17 m	
CORE #115	1139'-1149'	347.17-350.22 m	
CORE #116	1149'-1159'	350.22-353.26 m	
CORE #117	1159'-1169'	353.26-356.31 m	
CORE #118	1169'-1179'	356.31-359.36 m	SAMPLES #52,53,54 357.82-358.32, 358.32-358.57, 358.57-358.62
CORE #119	1179'-1189'	359.36-362.41 m	
CORE #120	1189'-1199'	362.41-365.46 m	
CORE #121	1199'-1209'	365.46-368.50 m	
CORE #122	1209'-1219'	368.50-371.55 m	
CORE #123	1219'-1229'	371.55-374.60 m	SAMPLE #55 373.13-373.35
CORE #124	1229'-1239'	374.60-377.65 m	
CORE #125	1239'-1249'	377.65-380.70 m	
CORE #126	1249'-1259'	380.70-383.74 m	SAMPLE #56 382.60-382.80
CORE #127	1259'-1269'	383.74-386.79 m	
CORE #128	1269'-1279'	386.79-389.84 m	
CORE #129	1279'-1289'	389.84-392.89 m	SAMPLES #57,58,59 390.34-391.34, 391.34-392.34, 392.34-392.89
CORE #130	1289'-1299'	392.89-395.94 m	
CORE #131	1299'-1309'	395.94-398.98 m	SAMPLE #60 396.44-397.04
CORE #132	1309'-1319'	398.98-402.03 m	
CORE #133	1319'-1329'	402.03-405.08 m	
CORE #134	1329'-1339'	405.08-408.13 m	
CORE #135	1339'-1344'	408.13-409.65 m	

END OF HOLE 409.65 m (1344')

Descriptions

LOST 1'

GREENSTONE, M TO CRS XLN, GROUNDMASS OF ALTERED FELDSPAR XLS AND UP TO 20% DARK MAFIC MINERALS, ALTERED TO HEMATITE, POSSIBLY HORNBLENDE OR AUGITE. FELDSPAR ALTERED TO ?KAOLINITE. ROCK HAS MOTTLED, PATCHY APPEARANCE AS COLOR CHANGES FROM MOSTLY LIGHT GREENISH/GREY TO BROWNISH/RED AS RESULT OF HEMATIZATION; CALCITE VEINLETS MOSTLY FROM LESS THAN A MM TO SEVERAL MM'S THICK W/ PATCHES OF BROWNISH PYRITE. VEINLETS MAKE UP LESS THAN 1% OF TOTAL ROCK; <1% PYRITE, FINE XLN DISSEMINATED IN GROUNDMASS.

11.50 LITHOLOGY BECOMES MORE FRAGMENTAL, AGGLOMERATIC; FRAGMENTS UP TO SEVERAL CM'S, ANGULAR, IN GROUNDMASS OF SIMILAR COMPOSITION.
13.12 2 CM THICK CALCITE/FLUORITE VEINLET (45°) PURPLE
13.80-13.87, 14.02-14.27 VEINLETS OF BANDED GREY CALCEDONY & FLUORITE W ≤5% BLEBS & XLS OF PYRITE & THIN BANDS OF HEMATITE AT 45° TO CORE AXIS, SME SMALL VUGS

GREENSTONE, M/CRS XLN, GROUNDMASS OF FELDSPAR XLS (.2-2 mm) W/ DK MINERALS 10%-30% (? HORNBLENDE; IN PLACES CLOTS & FRAGMENTS OF SEVERAL CM'S OF SIMILAR COMPOSITION
17.60-17.68 DISSEMINATIONS & BLEBS OF PYRITE)
GREENISH COLORS DUE TO CHLORITIZATION GRADING TO REDDISH HEMATIZED AREAS. ACCESSORY PYRITE AS DISSEMINATIONS; VEINLETS OF CALCEDONY/FLUORITE W/ PYRITE & POSSIBLY PYRRHOTITE, HEMATIZED & CHLORITIZED IN PART. VEINS VARY IN Ø FROM HAIRLINE UP TO 1 CM; AT RANDOM ANGLES BUT CONJUGATE 45° SET PREDOMINATES.

NOTE: GREENSTONE MOST LIKELY OF ANDESITIC COMPOSITION

32.47-32.94 SUB-HORIZONTAL BANDED VEIN OF L/DK GREY CALCEDONY W/ 2 AND 6 CM THICK BANDS OF WHITE CALCITE, SOME SMALL CAVITIES, SME DISSEMINATED PYRITE

GREENSTONE, GRADUALLY GRADING FROM CRS TO MED. XLN AND FRAGMENTAL TO LESS AGGLOMERATIC (FROM 80% TO 50% FRAGMENTS), FINER XLN/GREENER, MORE CHLORITIZED GROUNDMASS. FRACTURES FILLED W/ MOSTLY CALCITE HAIRLINE, TO (MOST COMMON) SEVERAL MM'S, OCCASIONALLY UP TO 1 CM. AT 45° BUT ALSO AT RANDOM; FRACTURES <1% OF TOTAL ROCK. BRECCIATION UNCOMMON

44.77 GREENSTONE, MOSTLY FINE XLN, CHLORITIZED, MOSTLY GREEN, GRADING IN PART TO M. XLN, SOME PURPLISH/RED PATCHES, OCCASIONALLY DISSEMINATED FINE XLN PYRITE; RARE FINE XLN HEMATITE; THIN (MM THICK) FISSURES & VEINLETS OF WHITE CALCITE W/ VARYING PROPORTIONS OF RED HEMATITE, TRANSLUCENT, L. GREENISH/PURPLISH FLUORITE AND ACCESSORY QUARTZ; VNS OFTEN CHLORITIZED, SOMETIMES EPIDOTIZED; GENERAL ORIENTATION 60° TO 70°; SME CONTAIN DISSEMINATED PYRITE, FINE XLS.

51.56-51.80 m EPIDOTIZED, BRECCIATED VEINLET
53.36-53.50 MORE INTENSE VEINING (70°) AND SLIGHT BRECCIATION W/ UP TO 5% DISSEMINATED PYRITE
FROM 53.50-54.56 MORE PURPLISH/GREEN M/CRS XLN GREENSTONE
54.56-56.41 GREENSTONE AS AT 44.77 m
56.41 GRADING TO LIGHTER GREYISH/GREEN TO PURPLISH M TO CRS XLN W/ UP TO 20% DK MINERALS; UP TO 5% DISSEMINATED PYRITE, PYRRHOTITE IN GROUNDMASS, TRACE OF HEMATITE XLS, OCCASIONALLY CHALCOPYRITE AS PATCHES & XLS I.E. AT 57.00 m
57.1[illegible] CALCITE VEINLET AT 10°
AT 58.54 AND 58.60 1 & 2 CM THICK FLUORITE VEINLET (20°) W/ DISS. PYRITE
GRADUALLY MORE AGGLOMERATIC W/ LARGE CM SIZED ANGULAR FRAGMENTS (REDDISH) IN GROUNDMASS OF SIMILAR COMPOSITION
58.60-59.40 INTENSE VEINING (20°) W/ GREY CALCEDONY VEINS RIMMED W/ HEMATITE, SME MINOR BRECCIATION, MM'S THICK ZONE OF WHITE KAOLINITE AT 58.76 m; UP TO 5% DISSEMINATED PYRRHOTITE/PYRITE. ALSO MM THICK CALCITE VEINLETS THROUGHOUT
61.32-61.92 m INTENSE CALCEDONY/HEMATITE VEINING
62.45-62.65 1 1/2 CM THICK QUARTZ/HEMATITE VN AT 80° DIP.
68.93-69.10 EPIDOTE VEINLETS (MM THICK) AT 20°. X CUTTING THIN CALCITE VEINLETS AT 70°
70.97-71.12 V.F XLN, SL SILICIFIED GREENSTONE W/ <3% DISS. PYRITE XLS
71.60-72.25 BANDED CALCEDONY, GREY, LIGHT TO MEDIUM, BANDED W/ VNS (BANDS) FROM MM'S TO 2 CM THICK; VNS MAKE UP 20% OF TOTAL ROCK. SME BX IN HOST AND VEINS; FROM SUB HORIZONTAL TO 45°; DISS. F TO M. XLN PYRITE UP TO 5% IN HOST ROCK & VEINS.
73.42-73.72 ZONE W/ CALCEDONY & BANDED RED HEMATITE, A.A., FROM SUB-HORIZONTAL TO 70°
75.00 m 6 CM THICK ZONE OF BRECCIATION FILLED W/ WHITE CALCITE/L. GN FLUORITE SOME CHALCO; 60° DIP
77.60-77.78 m ZONE W/ SERIES OF MM SIZED UP TO 1.5 CM QUARTZ/HEMATITE VEINLETS (70°)
79.16-79.74 AND 80.02-80.71 ZONES OF BANDED QUARTZ/CALCEDONY, GREY & WHITE, GREENISH/WHITE FLUORITE POSSIBLY ZEOLITES, SME COLLOIDAL TEXTURES, BANDING SUB HORIZONTAL. SME BRECCIATION, HEMATIZED IN PART, DISS. PYRITE UP TO 5%
GRADING TO AGGLOMERATIC, FRAGMENTAL W/ FRAGMENTS VARYING FROM REDDISH/BROWN TO GREYISH/GREEN IN CRS XLN MATRIX OF SIMILAR COMPOSITION & FINE XLN DARKER FRAGMENTS; HAIRLINE FRACTURES FILLED W/ CALCITE 70° TO SUB VERTICAL BUT ALSO AT LESSER ANGLES.
87.50-88.49 ZONE OF SUB HORIZONTAL BANDED CALCEDONY & FLUORITE, SME BX, SME BLEBS OF CHALCOPYRITE; BANDS MAKE UP 40% OF TOTAL ROCK
GREENSTONE, AGGLOMERATIC, W/ SME V. LARGE CM'S SIZED FRAGMENTS. MM THICK VEINLETS OF WHITE CALCITE AT ANGLES OF 30°-45° (MOSTLY) TO CORE AXIS.
96.13 2 CM THICK VEINLET (10°) WHITE CALCITE, RIMMED W/ RED, DENDRITIC HEMATITE AND GREENISH FLUORITE IN CENTRE.
98.23-98.35 BAND OF CRACKLE BRECCIA W/ CALCITE FILLED VEINLETS & ANGULAR CALCITE FRAGMENTS IN LIGHT GREEN PORPHYRITIC MATRIX
98.80-100.18 ZONE CHARACTERIZED BY SLIGHT INCREASE IN VEINING. VNS ARE MM'S THICK & FILLED W/ CALCITE AT 20°-40°; ONE DOMINANT DIRECTION BUT CONJUGATE DIRECTION AS WELL.
99.84 4 CM THICK WHITE QUARTZ VN W/ PURPLISH/GREENISH MM THICK FLUORITE RIM FOLLOWED BY FOUR 3-4 mm THICK BANDED VEINLETS FILLED W/ CALCEDONY; PYRITE XLS (5%), F TO M. XLN & BLEBS OF 1 1/2 CM Ø IN GANGUE.
100.50-101.80 GREENSTONE, L. GREY, SOFT, BLEACHED, ALTERED, POSSIBLY KAOLINITE ALTERATION, SME BANDED CALCEDONY/FLUORITE VNS, L. GREY TO OFF WHITE (30°-40°); ACCESSORY PYRITE
105.50-105.6[illegible] CRACKLE BRECCIA (5% OF ROCK VOLUME); SL. CALCAREOUS HOST
AGGLOMERATE, CRS XLN MATRIX AND FRAGMENTS (UP TO 10 cm Ø), MOSTLY ANGULAR TO SUB ANGULAR, MOSTLY FROM MM'S TO CM'S INSIZE; COLORS VARY FROM BROWN/PURPLISH/RED TO LIGHT GREEN; SOMEWHAT CALCAREOUS INDICATING SOME CALCITE ALTERATION.
112.76 2 CM THICK CRS XLN CALCITE VEIN AT 70°. VEINLETS FILLED W/ CALCITE, YELLOWISH/WHITE TO WHITE, CRS XLN, ≈ 60°, MOSTLY HAIRLINE TO MM'S BUT UP TO 2 CM THICK. CONJUGATE SET W/ ONE SET MORE PROMINENT; SME VEINING IRREGULAR, SUB PARALLEL CORE AXIS AND NOT FOLLOWING FRACTURE PLANES
115.72-118.87 FEWER VEINLETS & VEINING LESS INTENSE.
118.87-119.10 FIVE MM THICK CALCITE VEINLETS (50°) W/ CONJUGATE SET OF LESS PRONOUNCED, UP TO 1 CM OF ?TENSION GASHES FILLED W/ CRS XLN CALCITE
121.84-122.02 ZONE CONSISTING OF 50% CALCITE VEINLETS AT 20°, SLIGHT BRECCIATION
CHANGE TO GREENSTONE, ANDESITIC, CRS XLN, L. GREENISH/GREY BUT MOSTLY RED, HEMATIZED, CHLORITIZED, FELDSPARS KAOLINIZED, CHLORITIZED, UP TO 80% DARK MAFIC MINERALS (? AUGITE, HORNBLENDE) HEMATIZED; FEW LARGER FRAGMENTS. BANDED VEINLETS OF CALCITE/CALCEDONY/(?FLUORITE)/HEMATITE AT 124.67 (6 cm) AT 126.95 (3 cm) AND 127.8 (3 cm); ALL AT 70°/80°; AT 128.36-129.56 SUB VERTICAL CALCITE VEINLET STRADDLING CORE (1-2 cm WIDE).
132.80-133.00 SEVERAL MM'S THICK CALCITE VEINLETS, SUB-VERTICAL AND A FEW BANDED CALCITE/HEMATITE VEINLETS (70°-80°)
AT 135.80 COLOR CHANGE FROM MOSTLY RED → LIGHT GREENISH/GREY; CRYSTALLINITY CHANGING GRADUALLY FROM CRS TO FINE & MEDIUM; ACCESSORY DISSEMINATED PYRITE (<5%); SUB VERTICAL CALCITE VEINLETS, SL. BRECCIATION AT 137.70-138.40. RARE CALCEDONY BANDS (1 CM THICK
BX
138.40-150.35 MOSTLY CRS XLN L. GREENISH/GREY, IN PART GRADING TO REDDISH, LITHOLOGY AS ABOVE; VEINLETS FILLED W/ BANDED CALCITE/HEMATITE AT 70°-80°, BUT ALSO AT LESSER ANGLES (20°). MOSTLY SUB MM TO MM WIDTH, BUT UP TO A FEW CM'S OCCASIONALLY. SME RARE CALCEDONY-FILLED VEINLETS.
AT 150.10 BANDED WH. CALCITE VN (7 CM THICK, 60°) W/ 1/2 MM THICK HEMATITE VEINLETS.
BEYOND 150.10 L. GREENISH/GREY, SLIGHTLY BLEACHED GREENSTONE W/ INCREASING NUMBER OF MM THICK CALCITE/HEMATITE VEINLETS AT 150.44-151.28 m; DISSEMINATED PYRITE/CHALCOPYRITE (<5%) IN HOST ROCK. THIS ZONE IS MORE INTENSELY VEINED (30%) AND CRACKLE BRECCIATED; HOST MORE ALTERED AS RESULT; CHLORITIZED, L. GREENISH/GREY, FINE TO PARTLY GRADING TO COARSE XLN, W/ DISS. FINE XLS OF PYRITE. WHITE CALCITE VEINLETS & PATCHES AT 40°/50° CONJUGATE SET; ALSO SUBHORIZONTAL AND SUBVERTICAL. ZONES OF HEAVY CALCITIZATION & INCIPIENT MICROBRECCIATION AT 153.64-153.94, 154.38-154.63 (CALCITE IN AT 80°) AND 155.42-155.51 (CRACKLE BRECCIA W/ 70% CALCITE), SME BRIGHT GREEN CHLORITE XLS.
BX
BX
155.60-156.30 ZONE W/ BANDED CALCEDONY (WHITE TO L. GN); FLUORITE & CHLORITE IN THIN LAMINAE PRIMARILY AT TOP, SME REMNANT PATCHES OF NOW SILICIFIED PORPHYRITIC ANDESITE., SOME ACCESSORY DISSEMINATED PYRITE, SME AGATIC TEXTURES (CAVITY FILLING). DIPS FROM 20° TO SUBVERTICAL
156.35-157.25 SEVERAL LAMINATED & BANDED CALCEDONIC BANDS MM'S TO 1 CM THICK, 20° TO 50°
157.50-158.40 CALCITE VEINLETS UP TO 30% OF TOTAL ROCK, 40° TO 50° BUT ALSO IRREGULAR, SUB-HORIZONTAL; SME MM THICK HEMATITE VEINLETS; GANGUE THOROUGHLY CHLORITIZED & SLIGHTLY CARBONITIZED.
158.96-159.16 SEVERAL CALCITE/HEMATITE/CHLORITE VEINLETS AT 60° W/ HAIRLINE VEINLETS X CUTTING AT 20°
159.40-160.10 SLIGHTLY LIGHTER FINE XLN BLEACHED CHLORITIZED ZONE W/ SEVERAL CONJUGATE MM'S THICK CALCITE/CHLORITE VEINLETS.
160.10-164.09 MOSTLY L. GREENISH/GREY CHLORITIZED GREENSTONE OF ANDESITIC COMPOSITION, FINE TO MEDIUM XLN, X CUTTING HAIRLINE CALCITE VEINLETS (<2%) AT ANGLES OF 45°'S & 10°, SOME SUBVERTICAL THICKEST UP TO 6 mm; ACCESSORY HEMATITE & PYRITE IN GROUNDMASS. GRADING TO (AT 162.40-162.72 SERIES OF MM THICK CALCITE VEINLETS W 45° DIP)
164.09-165.10 INTENSELY ALTERED/CHLORITIZED MEDIUM TO CRS XLN GREENISH TO PINKISH GREENSTONE W/ UP TO 20% MM THICK CALCITE VEINLETS.
165.10-165.25 ZONE OF INTENSE VEINING (45°) OF BANDED CALCITE/HEMATITE/CHLORITE W/ SME DISS. ACCESSORY PYRITE/? PYRRHOTITE.
INTRODUCTION OF AGGLOMERATE FRAGMENTS AT 168 & GRADING TO AGGLOMERATE AT 169.40 m, FRAGMENTS UP TO SEVERAL CM'S IN Ø. COLORS VARY FROM REDDISH TO GREENISH W/ FRAGMENTALS MORE REDDISH.
AT 172.31-172.33 & 172.43-172.46 TWO WIDER CHLORITE/CALCITE VEINLETS AT 20° W/ SME MICROBRECCIATION AND ACCESSORY PYRITE/CHALCOPYRITE
AT 174.43-174.93 SOFT CHLORITIZED & CALCITIZED ZONE AT 70°/80°
AT 175.38 m LITHOLOGY CHANGE TO FINE/M. XLN CHLORITIZED ANDESITE, A.A. W/ CONJUGATE SET OF CALCITE VEINLETS (20°-70°); S. RARE VEINLETS W/ EPIDOTE
AT 177.35 3 cm THICK CALCITE VEIN W/ SME BRECCIATED ANGULAR GNSTONE FGMTS (45°)
AT 181.50 m GRADING TO V. CRS FRAGMENTAL AGGLOMERATE BECOMING A MIXTURE OF BLOTCHY/MOTTLED FRAGMENTS AT 183.18 m; CALCITE/CHLORITE VEINLETS INCREASE SLIGHTLY IN FRAGMENTAL ZONE AND WIDEN TO A FEW MM'S
AT 189.97 m GRADING TO MOSTLY V CRS TO CRS XLN GREENSTONE, CHLORITIZED W/ A FEW LARGER FRAGMENTS, TR. OF DISS. PYRITE/PYRRHOTITE. ZONES OF MORE INTENSE CALCITE/CHLORITE VEINING (ACC. FLUORITE). AT 189.62-189.92 m AND 191.12-192.20 m W/ SME DISS. PYRITE/PYRRHOTITE
AT 191.32 m GRADING FROM V CRS XLN GREYISH/GREEN GREENSTONE TO FRAGMENTAL AGGLOMERATE W/ MORE REDDISH TONES
AT 196.70-197.35 m ZONE OF INTENSE SILIFICATION W/ L GREENISH GREY BANDED AND LAMINATED CALCEDONY, UP TO 50% AS BANDS AND PATCHES, SUBHORIZONTAL; IN THIS ZONE FRAGMENTS & AREAS OF CHLORITIZED GREENSTONE; AS BLEBS & PATCHES AND DISSEMINATED PYRITE, FINE TO CRS XLN; SOME SMALL CAVITIES, SME BRECCIATION & CHLORITIZATION. THIS SILICIFIED ZONE GIVES WAY TO ZONE OF INTENSE CALCITIZATION & CALCITE VEINING & CHLORITIZATION, SOMEWHAT BRECCIATED, UP TO 40% CALCITE; AT 197.35-198.32; ALSO CALCITE ZONE AT 198.78-199.12
AGGLOMERATE, V. CRS FRAGMENTAL, VARICOLORED, BLOTCHY REDDISH BUT MOSTLY GREENISH TONES, IN PART GRADING TO V CRS CHLORITIZED GREENSTONE
Si
AT 201.41 m 1 CM THICK VEINLET OF WH. CALCEDONY RIMMED W/ MM THICK CHLORITE/CALCITE (AT 60°) SME BRECCIATION; SEVERAL THIN CALCEDONY VEINLETS (AT 45° AND STEEPER) FROM 201.41-203.76 m; ALSO CALCITE VEINLETS. COLORS MOSTLY GREENISH/GREY W/ BLOTCHY RED SPOTS & FRAGMENTS.
Si
Si
203.76-204.46 m. SUB VERTICAL IRREGULAR FEW MM THICK HEMATITE/CALCEDONY VEINLET ASSOCIATED W/ PYRITE XLS.
204.33-204.43 m A 1 CM THICK BANDED GREY CALCEDONY VEINLET (60°) W/ SME HEMATITE & UP TO 8% PYRITE, M TO CRS XLN, RIMMING VEIN WALL AND AS SMALL PATCHES AND AS XLS IN GANGUE. 204.53-204.64 6 CM THICK GREY/GREENISH WHITE BAND OF CALCEDONY W/ CAVITIES CONTAINING SECONDARY QUARTZ XL OVERGROWTH, IN TURN OVERGROWN BY SME CALCITE XLS; ACCESSORY DISSEM. PYRITE IN GANGUE
FROM 203.76-211.10 MORE INTENSE VEINING AT 30° TO 40° AS WELL AS RANDOM. SME BRECCIATION, MOSTLY CRS XLN GREENSTONE GRADING TO AGGLOMERATE IN PART.
AT 212.05 m 6 CM THICK (40°) CALCITE VEIN W/ BRECCIATION.
MOSTLY FINE XLN CHLORITIZED & RED, HEMATIZED ANDESITE GRADING IN PART TO M. XLN W/ SOME FRAGMENTS & CALCITE/CHLORITE/HEMATITE VEINLETS (AT 20° TO 50°) MOSTLY MM'S THICK BUT UP TO SEVERAL (2) CM'S
AT 214.54 APP. GRADING TO GREEN M XLN (IN PART PINKISH GREEN) TO OCCASIONALLY FINE XLN & CRS FRAGMENTAL AGGLOMERATIC; IN PART ACCESSORY F XLN PYRITE FRACTURE FILL W/ CALCITE/CHLORITE, SOMETIMES HEMATITE AS X CUTTING SETS AT 40° TO 60° BUT ALSO SHALLOWER & STEEPER DIPS
220.20 m LITHOLOGY GRADING TO CRS FRAGMENTAL, AGGLOMERATIC, MOSTLY GREEN, W/ ANGULAR TO SUBROUNDED FRAGMENTS MOSTLY FROM MM TO CM SIZE.
223.60-224.34 m GREEN CHLORITE VEINING (60° TO SUB VERTICAL) GIVING WAY TO CHLORITE/CARBONATE VEINING FROM 224.34-224.65 W/ SME GREY CALCEDONY AS WELL.
225.65-226.28 m CHLORITIZED, M XLN, GREENSTONE W/ SME MM THICK CALCITE VEINS
226.28-230.90 m ZONE OF INTENSE VEINING W/ BRECCIATION IN PLACES (70° TO SUBVERTICAL) VEINS IRREGULAR, VEINS MOSTLY FILLED W/ WHITE CALCITE AS VEIN FILLING AND AS PATCHES (UP TO 30% OF ROCK VOLUME); CHLORITE VEINS & SME L TO M GREY CALCEDONY VEINS UP TO 1 CM THICK FROM 228.90-229.45; SME MIXED IN HEMATITE VEINING FROM 229.45-231.90; SME ACCESSORY FINE XLN PYRITE
Si
231.90-234.15 m GREENSTONE A.A. MOSTLY M. XLN GRADING IN PART F XLN W/ MODERATE NUMBER OF CALCITE VEINLETS (TWO OF 2 CM THICK AT 70°, SME LINED W/ RED HEMATITE.
AT 234.15 m AGGLOMERATE, MOTTLED GREEN GRADING TO RED; FGMTS M TO CRS.; IN PART INTENSELY VEINED W/ CRACKLE BX CALCITE VNS; ALSO VNS OF CHLORITE & HEMATITE FROM 40° TO SUB-VERTICAL, IRREGULAR; FROM FEW MM'S UP TO 1 OR 2 CM'S. INTENSE VEINING OF LAMINATIONS OF CALCITE/HEMATITE AT 240.00-240.29 m SUB VERTICAL TO 60°; VNS MAKE UP 20% TO 30% OF TOTAL ROCK.
AT 240.82 m ZONE OF INTENSE VEINING & BRECCIATION (70° TO SUB VERTICAL), THOROUGHLY HEMATIZED, PARTICULARLY FROM 241.04-242.24 m WHICH IS RED. VEINING EXTENDS TO 244.84. MOST VEINS CRACKLE BRECCIATED & FILLED W/ CALCITE AS PATCHES, WISPS, STRINGERS (ALMOST "ZEBRA-LIKE TEXTURE"). HEMATIZATION & CHLORITIZATION INTENSE; SOME FLOWAGE / SME DISS. ACCESSORY PYRITE; IN SME VNS ALTERATION TO SOFT GREY CLAY (? CHLORITE); TOTAL VNS FROM 20% TO 60%; SME FGMTS OF GANGUE PRESERVED INSIDE THE VEINS / SMM THICK SUB VERTICAL CALCEDONY VEINLET AT 242.40 m.
Si
GRADING M/CRS XLN GREENSTONE GRADING TO CRS AGGLOMERATIC AT 245.18 m; MOSTLY PATCHY, MOTTLED GREENISH & REDDISH TONES.
AT 245.35-246.00 m ZONE OF CALCITE CRACKLE BRECCIA W/ UP TO 20% CALCITE.
247.03-247.28 m CALCITE/HEMATITE/CALCEDONY VEINLET (70°) IRREGULAR. AGGLOMERATE IS CALCAREOUS THROUGHOUT, CALCITE VEINLETS THROUGHOUT, S. GREEN RHYOLITE FRAGMENTS & CRS (1-3 mm) XLN FELDSPAR PORPHYRY (FLOW BANDED).
248.39-248.62 CRACKLE BRECCIA W/ CALCITE/HEMATITE/CALCEDONY (50°).
249.17-249.63 MORE CHLORITIZED, LIGHT GREEN F XLN ZONE (50°) W/ CALCITE/HEMATITE/SME CALCEDONY VEINLETS; W/ DISS. (5%) PYRITE XLS, SME SMALL VUGS
250.01-250.16 BANDED LAMINATED ZONE OF CALCITE/HEMATITE (60°) W SME ACCESSORY CALCEDONY
250.57-251.95 SEVERAL ZONES OF BANDED/LAMINATED CALCITE/HEMATITE/CHLORITE (50°-70°) (CM'S THICK) VNS MAKE UP 50% OF ROCK VOLUME, CALCITE VNS GETTING THICKER, I.P. CRACKLE BRECCIATED, SME ACC. CALCEDONY VEINLETS (GREY).
253.76-254.26 V. CRS XLN PORPHYRY (CHLORITIZED/CARBONITIZED) XLS 1-3 mm.
AT 254.99-255.27, 255.32-255.46 & 255.67-255.81 CALCITE/HEMATITE VNS W. ACC. CALCEDONY VEINLETS & CHLORITE VEINS. 14 cm 60°, 7 cm 60°, 9 cm 50°
CONJUGATE SET 256.42-256.55 2 cm CALCITE VN (30°) W/ OPPOSING HEMATITE/CALCITE VN AT 40°
257.74-258.18 7 cm THICK VEINLET A.A. AT 85°.
259.92-260.18 SERIES OF LAMINATED VEINLETS (7 cm, 20°). A.A., CALCITE CRACKLE BX, THIN CALCITE VEINLETS X CUT CALCEDONY.
LITHOLOGY AGGLOMERATE, A.A. V CRS FRAGMENTAL W/ ZONES OF VEINING & BRECCIATION CHARACTERIZED BY CALCITE/HEMATITE/CHLORITE & SOME AMORPHOUS GREY/WHITE SILICA (CALCEDONY) AT 261.78-262.10, 262.71-262.68; A FEW THIN ZONES (1-2 cm) FROM 262.68-264.87.
AT 264.09-264.38 3 cm THICK VEIN, A.A. AT 70°.
265.75-265.91 m 8 cm THICK VEIN, A.A., W. UP TO 10% CALCEDONY
AGGLOMERATIC TEXTURE PERSISTS TO 265.75 m, BELOW 265.91 LITHOLOGY CHANGES TO MORE ALTERED, CHLORITIZED ZONE W/ LESS RECOGNIZABLE TEXTURES & FRAGMENTS, COLOR BRIGHTER L. GREEN AS OPPOSED TO L. GREYISH/GREEN; SME BX, SUB VERTICAL, "MOTTLED" PATCH OF HEMATITE/CALCEDONY AT 266.03-266.23; SIMILAR VEINLETS AT 266.49-266.55 (40°, 4 cm) & 266.65-266.70 (40°, 3 cm); FAIR AMOUNT OF F XLN PYRITE (≤5%)
266.91-267.04 CHLORITIZED/BX ZONE W HEMATITE & SILICA, X CUTTING VEINLETS OF SAME W/ UP TO 5% PYRITE XLS UP TO MMS & AS PATCHES
267.17-267.77 ZONE OF INTENSE SILICIFICATION, BX, CHLORITIZED, HEMATIZED, W/ SM. WISPS (CALCITE) IRREGULARLY BANDED W/ UP TO 5% ACC. PYRITE AS F TO M XLN & AS PATCHES (SMALL); MOTTLED L. GREYISH/RED, DIPPING AT 50°, GRADING AT 267.77 TO CALCITE RICH HEMATITE/CHLORITE ZONE W/ MINOR QUARTZ
Si
Si
Si
Si bx
AT 267.92 LITHOLOGY BECOMES HIGHLY CHLORITIZED M. (TO CRS) XLN GREENSTONE W/ IRREGULAR MM'S THICK CRACKLE VEINLETS OF CALCITE (30° TO SUB VERTICAL) INCREASING TO 40% OF ROCK AT 268.77
Qz bx; Qz; Qz+FL; Qz
#10 BLEACHED MAROON AND GREEN, HEM. STRINGERS & MM THICK (5-10%); QZ VEINS & 1 cm THICK (5%)
#11 EXTENSIVE CLAY-CARB. ALTERATION, BRECCIATED QZ AT 274.17-274.77 m, MORE MASSIVE THAN CORE #89. BRECCIATED ANDESITIC INTRUSIVE, MASSIVE ZONES UP TO 40 CM LONG, HEM. FRACTURES, PURPLE AND COLOURLESS FLUORITE-QZ VEINS, CHALCEDONY VEINS, UP TO 5% PY, QZ VEIN AT 275.27-275.32 m
#12 MAROON-GREY VOLCANICLASTIC, PORPHYRITIC FRAGS., LAMINATED GREY CHALCEDONY VEINS WITH SHALLOW DIPS (<35°), BLEACHED MATRIX (PARTIALLY SILICIFIED), PYRITIC BOUNDARIES OF QZ VEINS, QZ VEINS AT 277.61-277.86 m WITH PYRITIC VOL. BX BETWEEN VEINS, HEM. STRINGERS CUT BY QZ VEINS
QZ; QZ; FS LATHS; QZ; FS PORPHYRY
VOLCANICLASTIC, MGR, ANGULAR FRAGS, MAROON AND GREEN FRAGS, BRECCIATED QZ VEIN AND LAMINATED CHALCEDONY VEIN AT 281.11-281.21 m, SHALLOW DIP (<30°), 2 CM CHALCEDONY VEIN AT 282.31 m WITH BLEACHED CONTACT EXTENDING 4 cm IN HOST ROCK, BELOW 282.81 m DOMINANTLY FS LATHS IN MAROON MATRIX (GROUNDMASS). BLEACHED MAROON VOLCANICLASTIC, ZONES OF FS PORPHYRY (FLOWS OR FRAGS.), 5% CHALCEDONY VEINS <3 cm WIDE, PY ASSOCIATED WITH QZ VEINS, MINOR CC VEINING, VOL. BRECCIA, QZ VEINS AT 284.16-284.20 m AND 285.85-285.90 m
QZ; QZ
TOP 60 cm FGR, MAROON, INTRUSIVE TEXTURE (DYKE OR FRAG?), REMAINDER IS GREYISH VOLCANICLASTIC, SAUSSURITIZED FS LATHS IN FRAGS. AND MATRIX, <5% QZ VEINS, SIMILAR TO CORE #94.
QZ; QZ; QZ-CC
VOLCANICLASTIC, MGR, ANGULAR FRAGS, 10% QZ VEINS, SHALLOW DIP (<35°). GREYISH, ABUNDANT FS LATHS IN MATRIX, VERY FINE DISSEM. PY, UP TO 3%, <2% WHITE CC VEINING CUT QZ VEINS, 17 cm THICK, GREY CHALCEDONY VEIN AT 292.13-292.30 m AND 5 cm THICK VEIN AT 291.85 m.
VOLCANICLASTIC LIKE CORE #96, 15% QZ-CC VEINING, 35 cm WIDE SILICIFIED ZONE WITH 2% PY AT 294.80-295.15, STEEPLY DIPPING (>60°), PARTIALLY STAINED BY HEM., MGR, GREYISH VOLCANICLASTIC, TOP 70 cm IS COARSER, BOTTOM 20 cm ~~(AFTER SILICIFIED ZONE) IS PALE GREENISH AND PARTIALLY SILICIFIED.~~
CH; VUGGY QZ; QZ-CH; QZ; QZ; QZ-HEM.
PALE GREENISH GREY VOL. BRECCIA, MAROON AND GREEN FRAGS., FS LATHS WITH FLOW TEXTURE - COMMON CLASTS, FS LATH MATRIX, VARIABLE CH ALTERATION, CH VEINS UP TO 1 cm THICK, SOME VUGGY QZ, STEEP AND SHALLOW DIPS, 1-2% DISSEM. PY, SEVERAL GENERATIONS OF QZ (5-10%).
GREY-PALE GREEN VOL. BRECCIA, CH ALTERED ZONES WITH QZ-CH VEINING, HEM. STRINGERS (<3%) CUT BY SOME QZ VEINS, ALL VEINS ARE LOCALLY DISPLACED, DIP STEEPLY (>60°), 15-20% VEINING, 1-2% PY, PURPLE FLUORITE AT 300.10 m, 15 cm ZONE OF INTENSE FRACTURING FILLED WITH QZ AT 301.35-301.40 m.
VUGGY FL; QZ+HEM.; CC-QZ; CHLORITE; QZ; CC; QZ
PALE GREEN VOL. BRECCIA, CH ALTERED, CC-QZ VEINING, <1 cm THICK, STEEP DIPS (50°-75°), CC>QZ, 2 cm THICK CC-QZ VEIN AT 301.95 m, CRACKLE BX ZONE AT 302.45 m, 1 cm THICK CC-QZ VEIN AT 303.45 m, 0-2% DISSEM. PY, GREEN CHALCEDONY VEIN (<2 cm THICK) AT 303.80 m.
PALE GREEN VOL. BRECCIA, 5-8% CHALCEDONY VEINING, TRACE PURPLE FLUORITE, VERY FINE DISSEM. PY (2%), SOME GREEN CHALCEDONY AT 305.50 m, MAROON ZONE WITH SAUSSURITIZED FS LATHS 10 cm WIDE ABOVE 2.5 cm THICK QZ-FLUORITE VEIN AT 306.44 m-306.59 m; SPOTTY CONCENTRATIONS OF PY <3 mm LONG.
QZ+FL; QZ; QZ; QZ+CH; QZ
PALE GREEN; SILICIFIED ZONE
PALE GREEN VOL. BRECCIA, FROM 307.54-308.54 m, 2% DISSEM. PY, PY ALSO ALONG CHALCEDONY VEINLETS. BLEACHED PALE GREEN ZONE 160 cm WIDE, SILICIFIED VOL. BX + QZ VEINS; GREEN, GREY, WHITE CHALCEDONY VEINS, CHALCEDONY-QZ VEINS AT 308.99-309.05 m AND 309.16-309.54 m, 1% DISSEM. PY, LAMINATED CHALCEDONY LOCALLY BRECCIATED, SHARP CONTACT WITH VOL BX
MAROON
GRADATIONAL CHANGE TO UNSILICIFIED MAROON VOL. BRECCIA, PURPLE FLUORITE VEIN AT 310.[illegible] m, 5% CC VEINLETS
FLUORITE; QZ; VUGGY QZ; CC
MAROON WACKE, DOMINANTLY ANGULAR FRAGS, SOME SUBROUNDED CLASTS, QZ VEIN AT 311.62-311.65 m, VUGGY QZ VEIN AT 311.94 m, STEEPLY (>60°) CC VEINS BETWEEN 312.90-313.20 m, 5-10% CC VEINING
CH+CC
MAROON WACKE, CH ALTERED ZONE AT 313.84-314.15 m; 25% CC VEINING BETWEEN 313.95-314.35 m, 5% VEINING ELSEWHERE, ANGULAR AND SUBROUNDED FRAGS., COARSE ANGULAR VOL. MATRIX, CC STRINGERS AT ALL ORIENTATIONS
CC; CC; QZ-CC
MAROON VOLCANIC WACKE, POLYMICTIC - GREY, GREEN, MAROON AND BROWN VOL. CLASTS, 5% CARB. VEINLETS, 2% COLOURLESS CHALCEDONY AND FLUORITE, TRACE PY, SHALLOW (<20°) DIP TO BEDDING, 3 cm WIDE BLEACHED ZONE ADJACENT TO CHALCEDONY-PY VEINLET AT 318.34, QZ-CC VEIN AT 317.05 m (4 cm WIDE)
FLUORITE; CC; CC
MAROON VOLCANIC WACKE, 5% IRREGULAR CARB. VEINING; BLEACHED ZONE BETWEEN 322.29 TO 322.68 m, MORE CHLORITIC, 2-QZ VEINS (1 cm AND 2 cm WIDE) IN CENTER OF BLEACHED ZONE, PARTIAL SILICIFICATION ADJACENT TO VEINS
CC; CC; CC
MAROON VOLCANIC WACKE, CARB. (CC) IN MATRIX AND VEINLETS (10%), MGR, GRANITIC DYKE (?) AT 323.54-323.58 m, TENSIONAL FRACTURES FILLED WITH CARB., VEINLETS <5 mm THICK, AV. <1 mm THICK, MAROON INTRUSIVE TEXTURE AT 325.53 TO 325.60 m (DYKE OR CLAST?)
CC; CC
~~MAROON VOLCANIC WACKE, MGR, SHALLOW DIPPING CARB. VEINLETS (5%),~~ BEDDING <25°
CC; CC
MAROON VOLCANIC WACKE, PEBBLE-SIZE CLASTS, POLYMICTIC, 5-10% CC VEINING, DIPS <50°, LARGER CC VEINS CONTAIN BRECCIATED WALL ROCK FRAGS., 5 cm THICK VEIN AT 329.88-329.93 m, VERTICAL TENSION FRACTURES (// TO CORE AXIS) FILLED WITH CC, <1 MM THICK. PEBBLY, MAROON, VOL. WACKE, CC VEIN AT 332.33-332.35 m (2 cm THICK) "CRACKLE BRECCIA" 20 cm THICK AT 333.97-334.17 m, CC MATRIX, MINOR CH.
CC; CC; CC
QZ; CC+CH; CC; CC+CH; CC
MAROON, VOL. PEBBLY WACKE, POLYMICTIC, <5% CC VEINING, SHALLOW (<35°) DIPS, 2 cm THICK QZ VEIN AT 336.48 cm, MGR, SUBROUNDED CLASTS UP TO 8 cm LONG, BEDDING DIPS <25°.
MAROON VOL. WACKE, CC IN MATRIX AND IN VEINLETS, 15% CC VEINLETS, RIGHT-LATERAL DISPLACEMENT ACROSS CC VEINLETS, 30-60° DIP ON VEINS, CC+CH VEIN ~5 MM THICK AT 338.22 m, MORE CC VEINS THAN PREVIOUS CORE.
CC; CC+HEM; CC
MAROON VOL. WACKE, SIMILAR TO CORE #112, LESS CC VEINING (5-10%), VEINLETS <1 MM THICK, CC-HEM. FRACTURES AT 341.92 m, STEEPLY DIPPING (~60°), 7 MM THICK CC VEIN AT 341.57 M.
CC
MAROON VOL. WACKE, PEBBLE-SIZE CLASTS, SIMILAR TO PREVIOUS CORE, CC+CH+HEM. VEIN AT 345.12-345.16 M, SOME CLASTS HAVE WEATHERED RIMS, 5% CC VEINLETS, VARIABLE ORIENTATIONS.
CC+CH; CC; CC+CH
MAROON VOL. WACKE, MGR MATRIX SUPPORTING SUBROUNDED CLASTS UP TO 4 cm LONG, 5-10% CC VEINLETS, CC+CH VEINLETS AT 347.99, 349.02, AND 350.07 m, CC+CH INCREASES TO ~35% FROM 350.07-350.22 m.
CC+CH; CC+CH; CH+CC
MAROON VOL. WACKE, MICROFAULTS TRUNCATE CLASTS AT VARIABLE ORIENTATIONS, ZONES OF PARTIAL BRECCIATION, CH CONTENT OF CC VEINS INCREASES, RESULTS IN GREENISH COLOUR, CC+CH VEINS AT 352.47 m (3.5 cm) AND 352.57 (2.5 cm), PARTIAL BX AT 351.47-351.55 m
CC+QZ; CC+CH
MAROON VOL. WACKE, CC+QZ VEIN (1.5 cm THICK) AT 353.54, CC+CH VEIN (1 cm THICK) AT 354.06 m, CC VEIN (1 cm THICK) AT 354.58 m AND 355.48 m, 5-10% VEINING, VARIABLE DIPS, LEFT-LATERAL MOVEMENT ACROSS VEINS, CLASTS <7 cm LONG.
CC; CC+CH; CC+CH; CC+QZ+FL; CC
MAROON VOL. WACKE, 5-10% CC VEINING, MGR MATRIX, SHALLOW DIPPING CC+CH VEINS (≤1 cm THICK) AT 356.40, 356.76, 357.21 AND 357.51 m, 5 cm THICK VEIN OF CC+QZ+GREEN FLUORITE AT 358.81-358.86 m, WACKE BLEACHED FOR 25 cm ABOVE VEIN (MORE CC+CH+PY) 1-2% PY, RX UNALTERED BELOW VEIN.
CC+CH; CC+CH
MAROON WACKE, CC VEINS (0.8 cm THICK) AT 359.41 AND 359.66 m, 5% CC VEINING, BLEACHED ZONE 7 cm WIDE AT 360.95 m WITH CC+CH VEINLETS, AT 361.50 m CC+CH VEIN ~3 cm THICK, BELOW VEIN MATRIX COMPLETELY REPLACED BY CC+CH FOR 10 cm (361.53-361.63 m), BELOW 361.50 m WACKE IS GREENISH, 25% CC+CH
CH ALTERATION; CC+CH
GREEN CHLORITE ALTERED "MAROON WACKE", MATRIX + CLASTS CH ALTERED, 8% CC VEINING, 3-5% CH VEINLETS, COARSE PEBBLY SECTION AT 365.00-365.46 m.
CC+CH; CC; CC
GREEN CH ALTERATION CONTINUES FROM CORE #120 TO 365.96 m, 5-10% CC VEINING, BELOW 365.96 m UNALTERED MAROON WACKE WITH RARE CH, FOSSILIFEROUS LST CLAST AT 366.60 m, FOLDED PHYLLITE CLAST, CC+CH VEINS AT 366.00 m (1.5 cm THICK) AND 366.20 m (2 cm THICK).
MAROON WACKE, 5-10% CC VEINING, MODERATE DIPS (30°-65°), FOSSILIFEROUS LST CLAST AT 369.40 m, MGR, MATRIX CC PRIMARY (OR REPLACEMENT?), CLASTS AV. <2 cm LONG, RARE CH IN CC VEINLETS.
CC+CH; CC; CC; CC; CC+CH
MAROON WACKE, 10% CC VEINING, 2 cm CC VEIN AT 373.25 m WITH BLEACHED PALE GREEN ZONE EXTENDING 5 cm ON BOTH SIDES, 1 cm CC+CH VEIN AT 374.10 m.
CC; CC; CC
MAROON WACKE, 5% CC+CH VEINING, GENERALLY STEEP (>60°) DIPS, TRUNCATED CC VEINS AT 375.00 m, 375.20 m, 376.35 m AND 377.15 m.
MAROON WACKE, 5% CC VEINLETS, MGR MATRIX, CLASTS <2 cm LONG, SHALLOW TO VERTICAL DIPPING VEINLETS, TRACE CH, LST CLAST AT 380.20 m.
CC; CC
MAROON WACKE, CC+CH VEINS AT 380.70 m (1 cm THICK), 381.05 (1.5 cm THICK), BLEACHED CC+CH ZONE AT 381.78-381.90 m (12 cm) AND 382.60-382.80 m (20 cm); "CRACKLE-BRECCIA" IN BLEACHED ZONE; <5% CC VEINING.
CC+CH
MAROON VOL. WACKE, <5% CC VEINING, 1 cm CC+CH VEIN AT 384.16 m, CH+HEM. SHEAR SURFACES, MOST CLASTS <2 cm LONG, CH VEINLETS AT 386.15, 386.25 AND 386.65 m.
CH
MAROON VOL. WACKE, CLASTS <3 cm LONG, <3% CC VEINING, 5% CH VEINLETS, SLIGHTLY BLEACHED BELOW 387.20, 2% COLOURLESS & PURPLE FLUORITE IN VEINLETS, TRACE PY.
CC; CC+CH
① SLIGHTLY BLEACHED VOL. WACKE TO 390.84 m; ② BELOW 390.84 TO 391.35 m EXTENSIVELY BLEACHED (PARTIALLY SILICIFIED & CHLORITIZED) WACKE, BRECCIATED, 10% CH VEINLETS, 2% DISSEM. PY, AND ③ DARK GREEN TO BLACK, WELL FOLIATED, BEDDING // TO SHEARING, FGR ARGILLITE - SILTSTONE, BRECCIATED ZONES FILLED WITH QZ+CH+PY ± CHALCO, 3-5% PY, GRADED BEDDING.
BLACK SILTSTONE
BLACK ARGILLITE/SILTSTONE, APHANITIC PARTS ARE BLACK, FGR SILTY LAYERS ARE LIGHT GREY, "NORMAL" GRADED BEDDING, FINING UPWARDS, DIPS ≥55°, <1% FLUORITE, UP TO 8% PY, 8-10% QZ VEINING.
BLACK ARGILLITE, BRECCIATED FROM 396.44 TO 397.04 m AND 398.75 TO 398.98 m, SILTSTONE AT 397.98 TO 398.15 m, 15-20% CC VEINING, 0-3% DISSEM. PY.
BLACK ARGILLITE / GREY SILTSTONE, FIRST 67 cm TO 399.65 m BRECCIATED ARGILLITE, CC+CH BETWEEN FRAGS., SILICEOUS SILTSTONE AT 400.30-400.80 m, PYRITIC ZONES & DISSEM., UP TO 5%.
CC
BLACK ARGILLITE/GREY SILTSTONE LAYERS, 5% CC VEINING, MODERATE DIPS, BEDDING DIPS AT ~55°, QZ VEINLETS <2%, PY PATCHES 2-3%, SOME CH IN VEINLETS.
CC; CC+CH
BLACK ARGILLITE/SILTSTONE, 5% CC VEINLETS, 2% QZ VEINLETS, CH IN SOME VEINLETS, MODERATE TO STEEP DIPS.
① BLACK ARGILLITE/SILTSTONE TO 408.70 m, 5% CC VEINLETS
② BELOW 408.70 m GREENISH CRYSTAL-LITHIC TUFF, FS CRYSTALS, ~~POLYMICTIC ROCK FRAGS~~, CH ALTERED FRAGS & MATRIX, PROBABLE ARGILLITE - TUFF BEDDING? CONTACT IS STEEPLY DIPPING (~65°), 5% CC VEINING, CLASTS <3 cm LONG.