

ASSESSMENT REPORT

DIAMOND DRILLING

KYU GROUP

Port Alberni M.D.

Longitude 127° 21° W    Latitude 50° 10° N

NTS 92L 3W

OWNER: FALCONBRIDGE LIMITED

OPERATOR: FALCONBRIDGE LIMITED

AUTHOR: JOHN R. WILSON

Date Submitted: June 22, 1983



FALCONBRIDGE NICKEL MINES LIMITED

6415 - 64th Street, Delta, B.C., Canada V4K 4E2

Tel. (604) 946-0441

Telex 04-357583

June 15, 1983

Chief Gold Commissioner  
Ministry of Energy, Mines and  
Petroleum Resources  
Victoria, B. C.  
V8V 1X4

Dear Sir:

Enclosed are two copies of an assessment report on the KYU Group in the Port Alberni Mining Division.

Additional work is inteded on the drill core due to the exploration approach being undertaken. Detailed laboratory examinations of mineralogy and chemistry will be initiated.

Yours truly,

J. R. Wilson

JRW/gd

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

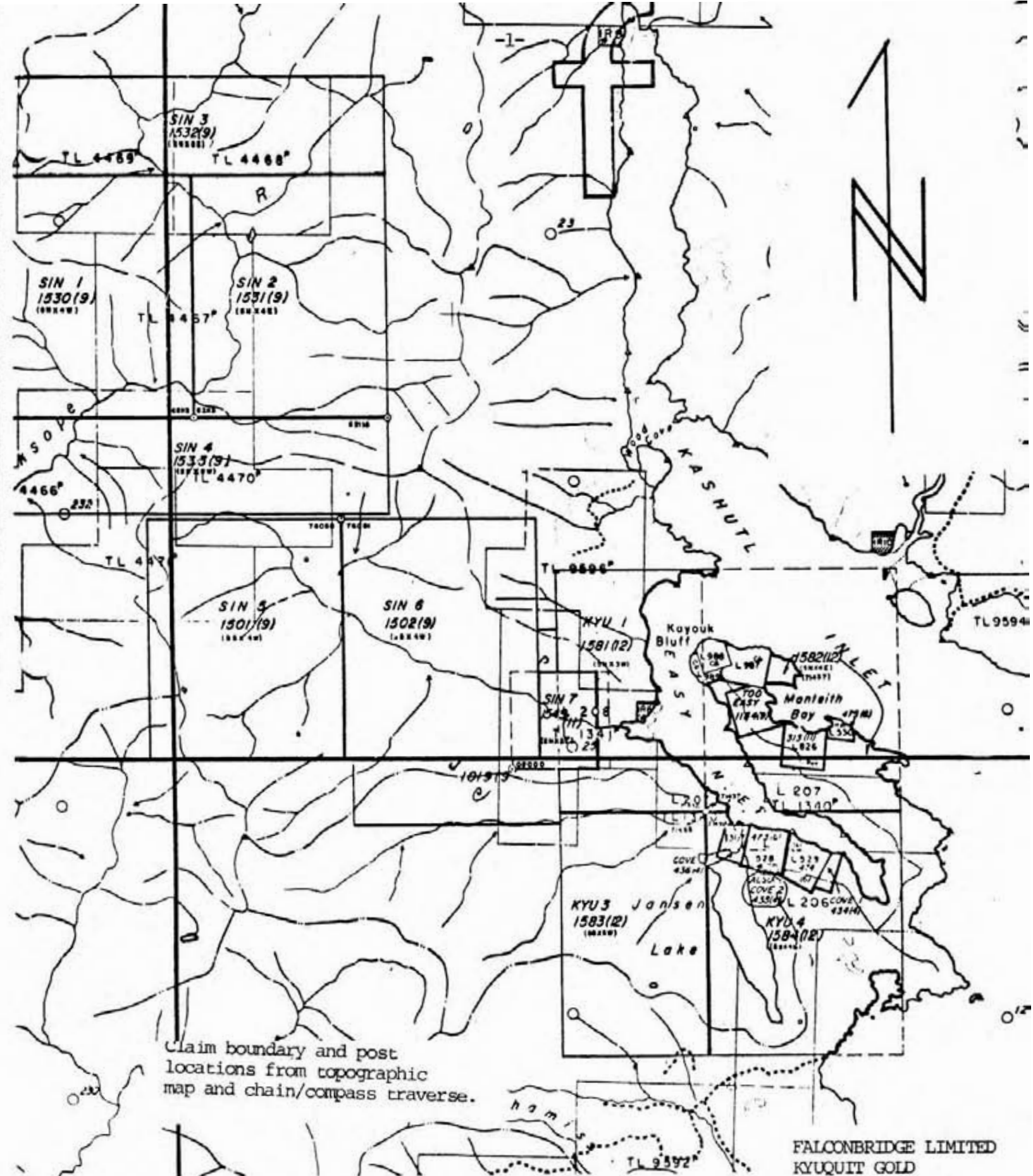
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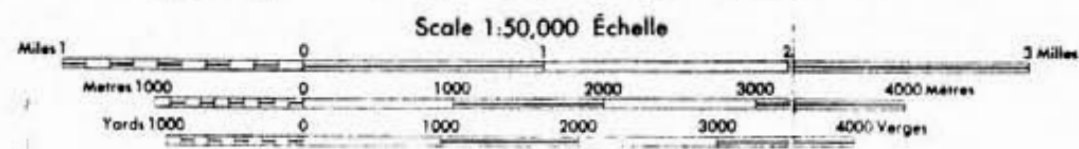
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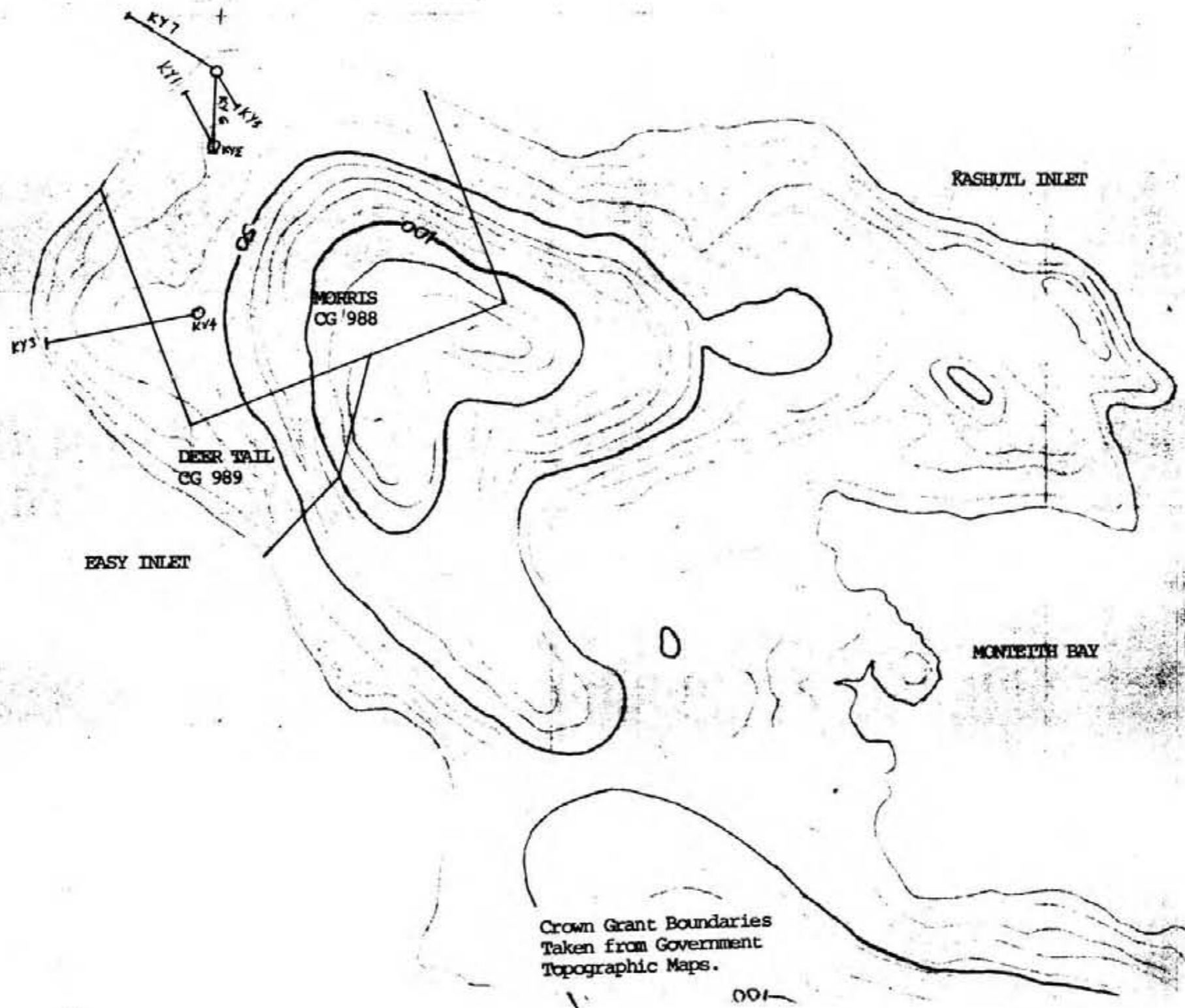


Claim boundary and post locations from topographic map and chain/compass traverse.



Scale 1:50,000 Échelle

FALCONBRIDGE LIMITED  
 KYUQUIT GOLD  
 EASY INLET AREA  
 INDEX MAP  
 APRIL, MAY, 1982  
 NTS 92L3W  
 Fig. No. 088-83-1



Crown Grant Boundaries  
Taken from Government  
Topographic Maps.

FALCONBRIDGE LIMITED  
KYUQUOT GOLD  
EASY INLET AREA  
DRILL HOLE LOCATION MAP  
APRIL, MAY 1983  
N1S 92L3W  
FIG. NO. 088-83-2

INTRODUCTION

The KYU Group of mineral claims consists of:

A) Claims staked in November 1982

KYU 1 (15 units), KYU (20 units),

KYU 3 (15 units), KYU 4 (20 units)

B) Crown Grants:

Snowstorm (Lot 987), Morris (Lot 988), and

Deer Trail (Lot 989).

The property is located thirteen kilometres northeast from Kyuquot, B.C. It is centered on Easy Inlet. Active logging roads pass through the claims. Further access is provided by barge, coastal freighter, and float plane. Drill moves were made by helicopter.

Alunite/pyrophyllite occurrences were staked in the early 1900's as sources of clay for industrial use. In 1952, St. Eugene Mining Corporation purchased three of these crown grants.

Westport Chemical Inc. later optioned the claims, but found the deposits to silica rich. FALCONBRIDGE LIMITED later acquired the property and, after investigations in 1982, conducted the present drilling program.

Diamond drilling in 1983 consisted of a total of 1065.9 metres. Seven NQ holes were drilled; the second and fourth hole were reduced to BQ near the bottoms. All work was performed on the Morris Crown grant.

The objective was to test the area from the point of view of recent models of epithermal precious metal genesis.

No economic mineralization is known on the property.

The core is now stored at the offices of FALCONBRIDGE LIMITED, Delta, B.C.

### GENERAL GEOLOGY

Intermediate to basic volcanics of the Bonanza formation underlie the claims. The few scattered beddings attitudes all dip southeasterly at 25 to 45 degrees. Alunite and pyrophyllite rich rocks are prominent at the north end of the peninsula east of Easy Inlet and intensely silicified volcanics are scattered throughout the property.

### DRILLING RESULTS

With the exception of a few metres of diabase in hole KY - 4 - 83 only volcanic rock is encountered. The volcanics, probably of intermediate composition, are almost always brecciated. Brecciation is sometimes clearly of several stages. Silicified zones are common and occasionally very strong. Quartz veins, sometimes open, are widespread, but seldom impressive. No calcite can be recognized. Most core contains stockworks or veins of very soft white minerals. Furthermore, soft greenish, bluish, and pink minerals, along with gypsum, can also be found as open space filling. Alunite and pyrophyllite rich zones are often mixed with varying proportions of quartz as irregular patches. Disseminated pyrite is almost absent in strongly silicified zones, but can be nearly massive elsewhere. It is strongest as a matrix/cement component associated with pyritic clasts. Pyrite veins to a few centimetres can be found but pyrite veinlets are more common ( and can contain quartz ± chlorite ). Minor traces of chalcopyrite and pyrrhotite are found in one hole.

STATEMENT OF COSTS

A - Mobilization and Camp Building

One man April 1, 3-6, 8-15: 13 days @ \$170.00/day	\$ 2,210.00
Room and board for above, April 8-15: 8 days @\$25.00/day	200.00
Truck expenses and ferry charges, April 8-15	40.00
One man April 1, 3-16: 15 days @ \$130.00/day	1,950.00
Room and board for above, April 7-16: 10 days @ \$25.00/day	250.00
Truck expenses and ferry boat charges, April 7-16	50.00
One man April 7-8: two days @ \$100.00/day	200.00
Room and board for above, April 7-8: 2 days @\$25.00/day	50.00
Truck running expenses and ferry charges, April 7-8	86.95
Truck rental and milage costs, April 7-8	187.78
Freighting camp in by ship April 9	823.31

B - Drilling

Drilling contract costs (including mobilizing and demobilizing drill/drill crew, fuel for drilling and camp operation, and meals)	118,289.30
Supervising drilling:	
One man April 16-30, May 1-18: 33 days @ \$170.00/day	5,610.00
Rental of boat for daily crew transport to drill site two months minimum	550.00
Rental of radiotelophone for one month	325.00
Helicopter charges for drill moves	8,133.16
Drilling mud and additives	6,951.91

C - Demobilizing camp and transporting drill core to Delta

Truck running expenses and ferry boat charges, May 18-22	104.25
Truck rental and milage charges, May 18-22	385.63
Charter boat for transport of material from drill camp to highway:	
May 10: 5 3/4 hours @ \$40.00/h	230.00
May 20, 21: 21 hours @ \$40.00/h	840.00



One man May 2, 3: two days @ \$150.00/day	\$ 300.00
Room and board May 2, 3: two days @ \$35.00/day	70.00
Truck and ferry expenses May 2 and 3rd.	50.00
One man May 9-11: 3 days @ \$60.00/day	180.00
Room and board May 9-11: 3 days @ \$35.00/day	105.00
Truck and ferry expenses May 9-11	60.00
One man May 14-16: 3 days @ \$60.00/day	180.00
Room and board May 14-16: 3 days @ \$35.00/day	105.00
Truck and ferry expenses May 14-16	60.00
One man May 17-18: two days @ \$60.00/day	120.00
Room and board May 17-18: two days @ \$35.00/day	70.00
Truck and ferry expenses May 17-18	50.00
One man May 19-22: 4 days @ \$170.00/day	680.00
Room and board May 19-21: 3 days @ \$19.00/day	57.00
Room and board May 22: one day @ \$35.00	35.00
One man May 18-22: 5 days @ \$130.00/day	650.00
Room and board May 18 and 22: 2 days @ \$35.00/day	70.00
Room and board May 19-21: 3 days @ \$19.00/day	57.00

D - Core Lodging and Report Writing

One man May 24-27: 4 days @ \$170.00/day	<u>680.00</u>
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TOTAL

\$151046.29

STATEMENT OF QUALIFICATIONS

FOR

MR. John R. Wilson

Mr. John R. Wilson graduated from the University of British Columbia in 1972 with a B. Sc. (honours geology) and has worked as an exploration geologist since graduation. He is a member of the Geological Association of Canada.

Yours truly,

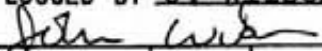
A handwritten signature in black ink, appearing to read "John R. Wilson". The signature is written in a cursive style with a long horizontal stroke at the end.

J. R. Wilson

JRW/bl

A P P E N D I X A

NORTH \_\_\_\_\_ STARTED 24th April, 1983 **FALCONBRIDGE**  
 EAST \_\_\_\_\_ COMPLETED 27th April, 83 **DIAMOND DRILL RECORD**  
 ELEV. \_\_\_\_\_ LENGTH 87.8m (288ft.) PROPERTY  
 BEARING 332° KYUQUOT GOLD  
 DIP -45° at collar, -45° corrected acid test at 210ft.

PURPOSE To intersect HOLE No. KY 1-83  
Alunite-Pyrophyllite CLAIM CGL 988  
 zone  
and Stratigraphy SECTION \_\_\_\_\_  
 LOGGED BY J. Wilson OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
<u>PRELIMINARY LOGGING</u>								
0 - 4.0m	Overburden							
4.0 - 15.2	Brecciated, grey, silicified, volcanic. Increasingly silicified downwards: (e.g. 10% at top; 60% at bottom) Silicification is opal-like. Jasperoid? Colloform appearance in places. Strong pyrite in matrix/cement and as veinlets. Yellowish patches in fractures (epidote?) e.g. 4.0 - 6.1m Bright red oxides in fractures.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
15.2 - 62.2	100% jasperoid breccia							
	51.8 - 60.3: No core recovery.							
	White clay zones e.g. 33.5m strong boxwork-							
	like zone 39.6 - 40.2m							
62.2 - 62.5	Clay very soft.							
62.5 - 77.7	No core. Triconed 64.0 - 76.2m							
77.7 - 87.8	Sheared andesite?							
End								
	- Hole was abandoned early due to high expense							
	and poor core recovery.							
	- One rod, shell, bit and core barrel were							
	left in hole afters rods stuck.							
	- Casing pulled.							

NORTH \_\_\_\_\_ STARTED 27th April, 1983 **FALCONBRIDGE** PURPOSE To intersect HOLE No. KY-2-83  
 EAST \_\_\_\_\_ COMPLETED 30th April, 83 **DIAMOND DRILL RECORD** Jasperoid & other CLAIM CGL 988  
 ELEV. \_\_\_\_\_ LENGTH 248.7m (816 ft) PROPERTY altered zones & stratigraphy SECTION \_\_\_\_\_  
 BEARING Vertical KYUQUOT GOLD LOGGED BY J. Wilson OFFSET \_\_\_\_\_  
 DIP 90° at collar, - 90° acid test at 757 feet. *John Wilson* PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>Preliminary Logging</u>							
<u>0 - 4.0 m</u>	<u>Overburden</u>							
<u>4.0 - 4.9</u>	<u>Strong pyrite as disseminations and veinlets in greasy, grey, soft, pyrophyllite? alunite?</u>							
<u>4.9 - 33.8</u>	<u>Silicified, opal-like, (jasperoid?) brecciated grey volcanic. Lower 2 metres have a more earthy lustre. Stockworks of soft, white mineral veins of soft, greasy, yellowish-white mineral. 15.5 - 20-7: Rusty open cavities, bright yellow and orange oxides? on fractures. 20.7 - 32.0: Colloform like bands of white rock with orange and red patches. Also some strong interstitial pyrite.</u>							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
33.8 - 54.9	Porous, silicified andesite breccia, quartz eyes. Strong disseminated pyrite Quartz veins, soft white mineral stockworks Bleached buff section.							
54.9 - 248.7	Andesite breccia. Evidence of multiple brecciation. Usually strongly pyrite as diss. or veins Top 90 metres is sheared or badly broken, has strong very fine grained disseminated pyrite, cavities and open quartz veining. Soft white stockworks throughout. Also soft greenish white veining, soft pink veining, soft pale blue veining, and soft buff coloured patches (pyrophyllite?) 83.2 - 89.3 dark green fine crystals on fractures.							



FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	141.1 1 cm. pyrophyllite? alunite? vein @ 25°							
	142.2 1 cm. marcasite? or pyrite vein @ 45°							
	151.5 - 157.0 strongly pyritic zone to 5cm wide.							
	169.2 platy rock chips sub-parallel to 45°							
	192.0 - 197.5 scattered bright red rock chips less than 1 cm in length.							
	197.5 - 204.2 patches of near massive pyrite 1 mm quartz vein with crimson borders.							
	214.6 - 220.4 Multiple pyrite veining.							
	225.9 - 231.6 Pyrite veinlet swarm at 45°							
	231.6 - 277.7 patches of 1 mm. rhombic - tabular, pink, hard crystals (adularia?) e.g. 233.9 m Also, perfectly transparent, soft veins (Gypsum)							
End	Left casing in hole.							



NORTH \_\_\_\_\_ STARTED 2nd May, 1983  
 EAST \_\_\_\_\_ COMPLETED 5th May, 1983  
 ELEV. \_\_\_\_\_ LENGTH 221.0 (725ft)  
 BEARING 260°

# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY  
KYUQUOT GOLD

PURPOSE To intersect HOLE No. KY-3-83  
Pyrophyllite zone CLAIM GCL 988  
and stratigraphy SECTION \_\_\_\_\_  
 LOGGED BY J. Wilson OFFSET \_\_\_\_\_  
*John Wilson* PLOTTED \_\_\_\_\_

DIP -45° at collar, -45° corrected acid test at 725 ft.

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
<u>PRELIMINARY LOGGING</u>								
0 - 3.0m	Overburden * *							
3.0 - 100.0	Hard, green and purplish-grey clasts of volcanic breccia (andesitic?)							
	Quartz-chlorite-pyrite veinlets common							
	Quartz veins often open.							
	Epidotized clasts found in the top half.							
	Silicification of breccia found near bottom.							
	Pyrite stronger in lower half as diss, blebs and veins.							
	Occasional soft white veining in lower half.							
	Traces of chalcopryrite and pyrrhotite?							
	in lower half.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
100.0 - 122.8	Hard, pale grey, silicified brecciated volcanics. Occasional massive veins or patches of soft minerals (pale tan, pale blue-green or white in colour). Traces of very fine grained disseminated pyrite. Quartz veining throughout.							
100.0 - 107.9	Occasional colloform bands.							
122.8 - 124.7	Transition zone of scattered rock and much slightly vuggy quartz. Trace chalcopryite gradually changing to:							
124.7 - 129.5	Green chloritic and grey siliceous breccia. Quartz - chlorite- pyrite veins. Rare chalcopryite specks.							
129.5	Broken contact.							
129.5 - 157.0	White to pale grey, hard very silicified brecciated volcanic. Minor very fine grained disseminated pyrite. Veins of soft, white or pale green or pink minerals. Occasional open quartz veins.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
157.0 - 185.9	Soft to moderately hard, green, chloritic brecciated volcanic with rare pyrophyllite-Quartz patches. Occasional (possibly amygdyles) blebs filled by quartz and fine bright red mineral or stain (good red crystals visible at 182.3m.) Similar veining and quartz - chlorite veining. Some soft white or pink veining with intense white stockworks below 114.9m. Clear (gypsum?) veining @ 163.1 - 168.5m. Minor disseminated pyrite throughout but stronger 172.8 to 180.1 m.							
185.9 - 203.0	Soft, grey, brecciated volcanic strong sense of shearing/brecciation in top 5 metres. Intense soft white stockworks and moderate to strong very fine grained disseminated pyrite and pyrite veins throughout. Occasional soft pink veining. Occasional buff coloured (pyrophyllite?) patches Bright red mineral with most quartz Veining and blebs in top 5 metres.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
203.0 - 205.1	Hard grey silicified brecciated volcanic open quartz veining. Moderate disseminated very fine grained pyrite.							
205.1 - 210.6	Porous, altered grey sheared rock. 70° slivers of rock, quartz and gouge. 2 to 5 mm quartz? grains in open, loose weakly cemented, clay-rich vein. Rare trace disseminated pyrite.							
210.6 - 217.6	Soft chloritic, green brecciated volcanic soft white veining. Minor very fine grained diss. pyrite 124.5 small gypsum? vein.							
217.6 - 221.0	Soft grey brecciated volcanic. Open quartz - pyrite veining and moderate disseminated pyrite. Soft white veining, sometimes with quartz eyes.							
End	Casing left in hole.							

NORTH \_\_\_\_\_ STARTED 5th May, 1983  
 EAST \_\_\_\_\_ COMPLETED 7th May, 1983  
 ELEV. \_\_\_\_\_ LENGTH 86.6 metres  
 BEARING Vertical (284 ft)  
 DIP -90° at collar

# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY  
KYUQUOT GOLD

PURPOSE To intersect HOLE No. KY-4-83  
Silicified and CLAIM CGL 988  
pyrophyllite zones SECTION \_\_\_\_\_  
 LOGGED BY J. Wilson. OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>Preliminary Logging</u>							
<u>0 - 0.9 m</u>	<u>Overburden</u>							
<u>0.9 - 4.6</u>	<u>Moderate to hard green and purplish grey volcanic breccia.</u>							
<u>4.6 - 15.8</u>	<u>Diabase. Broken upper contact and well broken internally. Dark grey-green colour with very oxidized reddish fractures.</u>							
	<u>Brecciated and quartz cemented zones with minor diss. pyrite at 11.0 - 11.6 and 15.5 - 15.8</u>							
<u>15.8 - 23.2</u>	<u>Soft green, chloritic brecciated volcanic with some hard (silicified) patches.</u>							
	<u>Quartz veining and blebs throughout.</u>							
	<u>16.8 - 17.1 strong quartz veining. Traces of disseminated pyrite</u>							
	<u>20.4 - 23.2 : vertical 2 to 5 mm grey and white banding (quartz - pyrite - pyrophyllite?)</u>							



FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.					
	20.4 2cm of soft white mineral.								
	Top 1 metre is sheared at diabase contact.								
23.2 - 33.8	Triconing - no core recovery.								
33.8 - 86.6	Hard, pale grey, silicified brecciated volcanic. Soft white and pale green veining. Pyrophyllite? zones @ 38.4 to 39.0 and 39.3 to 39.4 m.								
	Minor disseminated pyrite except:								
	33.8 - 39.6: patchy very fine grained disseminated pyrite to 3% and pyrite veins to 5mm.								
	77.1 - 80.5 : 7% pyrite as coarse cubes disseminated and in veins in softer, pale greenish brecciated section.								
	Chalcedonic - like zone : 45.4 - 50.9								
	Moderately hard, fine, pale grey zone:								
	50.6 - 50.7								
	Porous Zone: 74.7 - 86.6								
End	Casing removed from hole.								
	Hole was abandoned early due to bad ground and the high cost of continuing. One rod and								



NORTH \_\_\_\_\_ STARTED 9th May, 1983  
 EAST \_\_\_\_\_ COMPLETED 10th May, 1983  
 ELEV. \_\_\_\_\_ LENGTH 67.1m (220ft)  
 BEARING 152°  
 DIP -45° collar. No acid test.

# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY

KYUQUOT GOLD - PN 088

PURPOSE For stratigraphy HOLE No. KY-5-83  
information along CLAIM CGL 988  
section. SECTION \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_ OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	NOTE - Hole KY-5-83 stopped early due to expensive drilling and poor core recovery.							
	Hole KY-6-83 successfully redrilled the section desired at a 32 degree different azimuth direction.							
0 - 9.7m	Casing overburden							
9.7 - 19.8	White, jasperoid appearance altered very fine grained, very hard, grey volcanic. Brecciated. Scattered patches of rounded pores 1 to 2mm in diameter. No visible mineralization except very fine pyrite on fracture at 15.2 to 16.5 m. Core usually broken with reddish-brown coatings on fractures.							



FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
19.8 - 40.2	Medium grey volcanic. Brecciated. Moderate hardness. Soft white veining common. Open quartz veining (e.g. 31.4m) Patches of 1 to 2 mm rounded pores. Quartz vugs in broken rock (e.g. 32.3m) Moderate very fine grained disseminated and veinlet pyrite (strongest in broken sections).							
40.2 - 67.1	Light grey, hard volcanic silicified and badly broken rock. Angular dark spots, 1 to 3 mm in diameter, are very fine pyrite in mafic. Irregular white spots to 3mm in diameter maybe feldspar clumps. Some quartz veining also carries hard white grains. Minor very fine disseminated pyrite throughout, weakest in top 7 metres.							
End.	Hole stopped early due to bad ground and poor recovery. Casing stuck, could not be removed. Hole cemented from 9.7 to 47.5 m							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>CORE RECOVERY</u>							
	9.7 - 12.2 100%							
	12.2 - 15.2 70%							
	15.2 - 18.3 50%							
	18.3 - 21.3 2%							
	21.3 - 24.4 10%							
	24.4 - 27.4 20%							
	27.4 - 30.5 50%							
	30.5 - 33.5 70%							
	33.5 - 36.6 50%							
	36.6 - 39.6 80%							
	39.6 - 42.7 50%							
	42.7 - 45.7 60%							
	45.7 - 48.8 50%							
	48.8 - 51.8 20%							
	51.8 - 54.9 10%							
	54.9 - 57.9 5%							
	57.9 - 61.0 2%							
	61.0 - 67.1 0%							
	End							

NORTH \_\_\_\_\_ STARTED 11th May, 1983.

EAST \_\_\_\_\_ COMPLETED 13th May, 1983

ELEV. \_\_\_\_\_ LENGTH 115.5m (379ft)

BEARING 180°

DIP -45° collar, -45° corr. acid test @ 115.5m.

# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY

KYUDUOT GOLD FN 088

PURPOSE For stratigraphic information along cross-section.

HOLE No. KY-6-83

CLAIM CGL 988

SECTION \_\_\_\_\_

OFFSET \_\_\_\_\_

LOGGED BY

PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
0 - 6.1	Casing overburden							
6.1 - 18.3m	White, jasperoid - appearance very hard altered grey volcanic (transitional lower contact from 14.6 to 18.3 with gradually more grey volcanic)							
	Usually well broken core with orange-brown coating on fractures.							
	No visible mineralization in the white rock.							
	Traces of very fine pyrite in the grey volcanic.							
	Small (1-2mm) pores throughout and cavities, some vuggy, to 5mm with rusty tinge. Some vugs partly filled with earthy red mineral?							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
18.3 - 28.0	Soft to moderately hard, medium grey volcanic.							
	Brecciated. Reddish tinged zones: 22.4 - 22.9							
	25.0 - 28.0							
	Broken zone cemented by soft clay: 27.4 - 28.0							
	Core is usually very blocky but solid sections							
	are: 22.5 - 24.1							
	25.0 - 25.6							
	Cavities with quartz and coarse pyrite, pyrite - soft							
	white mineral veinlets, and very fine disseminated							
	pyrite occurs throughout.							
28.0 - 68.0	Very hard, silicified medium grey volcanic.							
	Brecciated. White alteration (advanced silicification?)							
	affects over 50% of the section. The white alteration							
	grades from solid grey volcanic with thin white borders							
	along fractures to massive whitish rock with minor							
	irregular patches of grey. Zones consisting of a							
	pervasive white section bracketed by less intense							
	alteration at: 28.3 - 32.9							
	34.1 - 42.9							
	A zone of grey rock with thin white fracture controlled							
	(?) white stringers at 43.0 - 47.2.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	A massive white section: 49.1 - 56.4							
	Moderate very fine disseminated pyrite is in all gray zones, none in whitish sections.							
	Occasional vugs and pores (e.g. 43.6 - 44.2 carries minor pyrite) (e.g. 34.7: vugs with quartz and pinkish mineral (adularia?) and rusty coatings). (e.g. 61.9 - 62.5 massive very fine pyrite with quartz eye appearance and vuggy texture. Unfortunately no core 62.5 - 63.7.)							
	Very fine grained pyrite stockworks to 2mm at 0 to 25° angle to core from: 28.0 - 29.0, 32.6 - 33.8, 37.8 - 39.6, 43.9 - 46.3, 55.8 - 58.8.							
	One mm black veinlets with very fine pyrite and yellowish ringed open vein: 38.1							
	Black coated fine pyrite or ? : 44.6							
	Yellowish dull mineral? : 54.9-55.2							
	Pinkish, soft patches on fractures: 55.8							
	About 25% very fine disseminated pyrite : 61.0 - 61.9							
	15% - 20% very fine disseminated interstitial pyrite and pyrite veinlets : 64.9 - 68.0							



FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
68.0 - 101.2	Usually soft, medium grey volcanic with about 30% white spots. The white spots, to 3mm in diameter, consist of very soft mineral clumps (probably open space filling). Occasional harder zones with fewer white spots (e.g. 71.9 - 77.7). Soft white mineral veining and stockworks common, probably resulting in the very broken core. Chlorite on fractures and soft green mineral in veins 90.2 - 92.8. Reddish tinge to core due to scattered red grains (See top of zone for fewer but better defined red crystals, some with quartz and pyrite in open spaces) 93.9 - 95.4. Greenish ringed quartz? veining 95.4 - 100.0 Nearly chalcedonic appearance 79.5 - 81.5. 83.2 - 115.5 ; Small breccia fragments are obvious. Above this the rock is sheared in places and usually mottled or broken making fragments (if any) difficult to recognize.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	15% - 20% very fine interstitial and veinlet pyrite, coarser below 76.2m : 68.0 - 83.2							
	White altered, hard siliceous zone with no mineralization : 79.5 - 81.4							
	Patchy traces of very fine disseminated or veinlet pyrite : 83.2 - 101.2							
	Nearly massive pyrite as very fine disseminations: 100.9 - 101.2							
101.2 - 111.5	Very hard, medium grey, silicified volcanic. Brecciated. Variety of clasts in dark, strongly pyritic matrix. Clasts are either white or yellow quartz porphyry or pale grey fine grained volcanic. Occasional orientation of rock chips at 5°, 45°. Some vuggy cavities. 10% - 15% very fine pyrite in matrix. Some massive pyrite zones (fine disseminations) (e.g. 10 cm at 105.2)							
End								
	Note: Most of core recovered was very broken. Casing pulled.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>CORE RECOVERY</u>							
6.1 - 9.1	80% 33.5 - 36.6	80%			76.2 - 79.2	70%		
9.1 - 12.2	50% 36.6 - 45.7	100			79.2 - 85.3	30%		
12.2 - 15.2	100% 45.7 - 48.8	90			95.3 - 91.4	50%		
15.2 - 18.3	60% 48.8 - 51.8	30			91.4 - 94.5	60%		
18.3 - 21.3	30% 51.8 - 61.0	100			94.5 - 97.5	50%		
21.3 - 24.4	70% 61.0 - 64.0	60			97.5 - 100.6	50%		
24.4 - 27.4	50% 64.0 - 67.1	80			100.6 - 103.6	70%		
27.4 - 30.5	80% 67.1 - 70.1	70			103.6 - 106.7	10%		
30.5 - 33.5	90% 70.1 - 73.1	80			106.7 - 109.7	70%		
	73.1 - 76.2	40			109.7 - 115.5	100%		



# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY

KYDQUOT GOLD

NORTH \_\_\_\_\_ STARTED 14th May, 1983.  
 EAST \_\_\_\_\_ COMPLETED 18th May, 1983  
 ELEV. \_\_\_\_\_ LENGTH 239.3m (785)  
 BEARING 302°  
 DIP -50° at collar

PURPOSE Extension of HOLE No. KY-7-83  
altered zones to NW CLAIM CGI, 988  
and stratigraphy SECTION \_\_\_\_\_  
 LOGGED BY T. Bruland OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.			
00 - 5.2m	Overburden.						
5.2 - 43.6m	Brecciated, grey moderate to intense silicified volcanic fragments in white jasperoid intense silicified with moderate to intense alunite						
	6.7 - 21.3m intense silicified volcanic breccia with minor alunite						
	21.3 - 23.8m triconed						
	23.8 - 34.4m moderate silicified volcanic breccia. Up to 5 - 10% fine pyrite, disseminated and veinlets in weak to moderate altered volcanic. Minor pyrite (trace) in jasperoid.						
	34.4 - 43.6 bleached intense silicified white jasperoid. Intense kaolinite increasing toward bottom						

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
43.6 - 208.2	Light grey to grey moderate to intense silicified volcanic. Up to 5-10% fine disseminated and veinlet pyrite. Fine alternating banded pyrite-quartz							
	, 5-1.0mm 86.0 - 87.2m and 128.0m.							
	98.1 - 99.4m intense silicified.							
	142.3m gypsum veinlets 5 - 1.5cm							
	145.7m irregular filled pyrite veinlet up to 1 cm.							
	151.8m cherty banding, bands 1-4mm.							
	154.2 - 155.4m intense pyrite veining.							
	153.3 - 154.2m irregular gypsum veins 1 - 15mm.							
	203.3m 3x1cm pyrite fragment, angular 30 - 40%							
	pyrite, cut by minor fault, displacement 5mm.							
	207.6m pyrite vein breccia.							
208.2 - 211.5m	Fine grained equigranular diabase dyke.							
	Fine disseminated magnetite, <1% fine disseminated pyrite. Hematite on local faults with slickenside.							
	Contact at 208.2m at 45° to core axis.							
211.5 - 212.8m	Greenish chloritic fragmental volcanic, gypsum							
2	veins, trace pyrite.							

