REF No 18588

C1610

CLEVELAND TIN — GEOLOGY DEPT.

HOLE No - C1610

DRILL HOLE RECORD SHEET

Location: Eastern Sediments

Sect: AX

Objective: Stratographic

Category: Surface S/E

Proposed Azimuth: 290°

Proposed Dip: -52°

Survey P/U Azimuth: 277° 10' 34"

Survey P/U Dip: -52° 07' 22"

Calced by N.J.Hall (30/3/81)

Instrument Azimuth Correction Factor:

Collar Co-ords: 14523.394 N. 10933.229 E.

Collar R.L.: 1470.500

Final Depth: 397 m

Drilled By: Longyear — N. Harvey, A. Bloore

Rig Type: EHS 38

Core Size: HQ, NQ + BQ

Drilling Commenced: 27/2/81

Drilling Completed: 23/3/81

Survey Data				Interpolated Data		
Survey Inst.	Depth	Az.	Dip	Depth	Az.	Dip
Surv. P/U	0	277	-52	0	277	-52
Cam: NH	70	281	-52	12.5	278	-52
NH	130	280	-54.2	37.5	279.5	-52
NHy	160	280	-54.5	62.5	280.5	-52
AB	184.5	279	-55.2	87.5	281	-52.5
NH	222	278	-56	112.5	280.5	-54
NH	251	278	-56	137.5	280	-54
AB	283	279	-56	162.5	280	-54.5
"	314	276	-57.2	187.5	279	-55.5
NHy	334	273	-57.6	212.5	278	-56
AB	340	272	-57	237.5	278	-56
"	353	270	-58	262.5	278	-56
AB	379.5	269	-58	287.5	279	-56
NHy	397	269	-59.5	312.5	276.5	-57
				337.5	272	-57
				362.5	269.5	-58
Wedge	336.1			387.5	269	-59
				397	269	-59.5

SMITH PRINT

22 245

CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

BY P.D.E

DATE 9/3/81

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach Iron Stains	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS MICA	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE			DEPTH M
0	Tri core 1.5	1.5											Surface to 3.0 metres is bleached to a white cream orange - originally brown shale - clearly in pan 15.	0
2	3.0	0.4												2
		0.7												
4	4.3									28° 1.5 1 1			From 3.0 to 13.5 metres is weathered to an orange brown.	4
	5.1	0.4												
	6.0	0.7												
6	7.2	1.20												6
8	9.0	1.8												8
10														10
12													13.5	12
14		11.5												14
16														16
18														18
20														20
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

BAD GROUND - TAILONED

NWPS 36406

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE N° C1610

BY P.D.E

DATE 9/3/81

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

DEPTH M	CORE RECOVERY LIFTS	LOSS	ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT LOCATION & THICKNESS	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
20	20.5 20.7	0	SH	BROWN, LIGHT	FINE	CHAOTIC							Contact at 45° 21.05	20
	21.5	0.4												
22	23.5	0.75						@23.7 10° 0.5 qtz iron					weathered and broken fine grained shale - some coarse bands - iron manganese staining on joints & breakages which volcanics.	22
24	25.0	0												24
	26.4	0						@25.9 10° 0.5 qtz iron.						
26	28.0	0.5												26
28	29.6	0.8												28
30	31.3	0						@30.7 10° 1.4 iron green						30
32	32.9	0												32
		0.2												
34	34.3													34
	36.0	0												
36	37.5	0.2						@36.3 10° 45 iron rich gossan					Contact at 37.5	36
38	39.0	0	SH	BROWN, LIGHT				@39.0 10° 4.9					weathered and broken sheared	38
		0.3												
40														40

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

BY P.D.E

DATE 13/3/81

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■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach Weathered	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE			DEPTH M
40	40.5												Contact at 40.5	40
	41.2	0.65											Very weathered	
42	42.0	0											iron stained iron rich gossans	42
	43.0	0.1										vt		
	43.5	0.4											sheared - 43.5	
44		1.0												44
	45.0												~~Contact~~	
		0.2											Very weathered	
46	46.3	0											some iron staining	46
	48.0	0.1											some iron on joints	
48		0												48
	49.5													
50		1.2												50
	51.0													
		0.3												
52	52.5												52.5	52
		1.4											Possibly vt/sh from 52.5 to 61.5 but very weathered	
54	54.0													54
	55.5	0.5												
56		1.2												56
	57.0													
58		0.4												58
	58.5													
		0.4												
60	60.0													60
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

BY P.D.E

DATE 17/3/81

■ >50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ <1%

INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach weathered	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS Fe2O3	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE			DEPTH M
60														60
	61.5	1.1						Qb 61.1 10° 2.5 2.4					weathered to 64.5 metres 61.5 - then excessive core loss to 70.5m.	
62	62.5	0.3												62
	63.0	0												
		1.3								60				
64	64.5													64
66														66
		5.4												
68														68
70	70.5													70
		0.4												
72	72.0													72
	72.0	0.5												
	73.5	0.1											73.6	
74		0.6										SS		74
	75.0												Carbonate rich cement.	
76		0.3												76
	75.5												fine pyrite grains in patches	
		0												
78	76.0													78
		0											78.9	
Mo NQ	77.5											CH		
80														80
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ >50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ <1%

NWPS 36406

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

BY P.D.E

DATE 17/3/81

INTERVAL | CORE RECOVERY | ROCK TYPE | COLOUR | GRAIN SIZE | TEXT. | STRUCTURAL FEATURES | FAULT LOCATION & THICKNESS | ALTERATION | VEIN MINERALOGY | LODE MINERALOGY | PLOTTING SYMBOLS | REMARKS | INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

DEPTH M | LIFTS | LOSS | VB VT LST SS SH CH L | BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK | FINE MEDIUM COARSE | BANDED CHAOTIC | BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN | SiO2 Chl Tm Co3 Bleach | LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS | QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE

80 82 84 86 88 90 92 94 96 98 100

0.3 1.1 0.8 0.3 0 0 0 0.2

82.5 85.5 87.4 88.5 91.1 94.2 96.5 99.4

20° 1-4 | 48° 2-5 | 40° 1-4 | 20-40° 1-4 | 40-60° 1-7

93.4 94.6

Most of the shale and sandstone areas have a calcareous cement
- many calcareous (calcite) veins throughout.
- fine pyrite occurs throughout as scattered crystals
- darker zones contain more pyrite
- pyrite is < 1%

These areas of coarser material resembles limestones - but very dirty

DEPTH M | LIFTS | LOSS | VB VT LST SS SH CH L | BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK | FINE MEDIUM COARSE | BANDED CHAOTIC | BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN | LOCATION & THICKNESS | SiO2 Chl Tm Co3 Bleach | LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS | QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE | PLOTTING SYMBOLS | REMARKS | DEPTH M

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

INTERVAL | CORE RECOVERY | ROCK TYPE | COLOUR | GRAIN SIZE | TEXT. | STRUCTURAL FEATURES | FAULT | ALTERATION | VEIN MINERALOGY | LODE MINERALOGY | INTERVAL

NWPS 36406

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE N° C1610

BY . P.D.G

DATE 18/3/81

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE			DEPTH M
100														100
		0.9						@101.9 50° 2.4					101.1	
102	102.3													102
	103.5	0						@103.4 90° 3.4		90° 0.6				
104										60° 1.3				104
										90° 0.7			104.8	
		0												
106	106.5												106.5	106
108		0								90° 1.4				108
	109.5												Many calcareous veins throughout also calcareous grains and pyrite grains	
110		0												110
	110.9													
		0												
112	112.5							@112.6 30° 4.2					112.5	112
114		0								weight				114
	115.5													
116													116.2	116
		0								15° 1.1			117.6	
118	118.4													118
		0												
120														120
DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

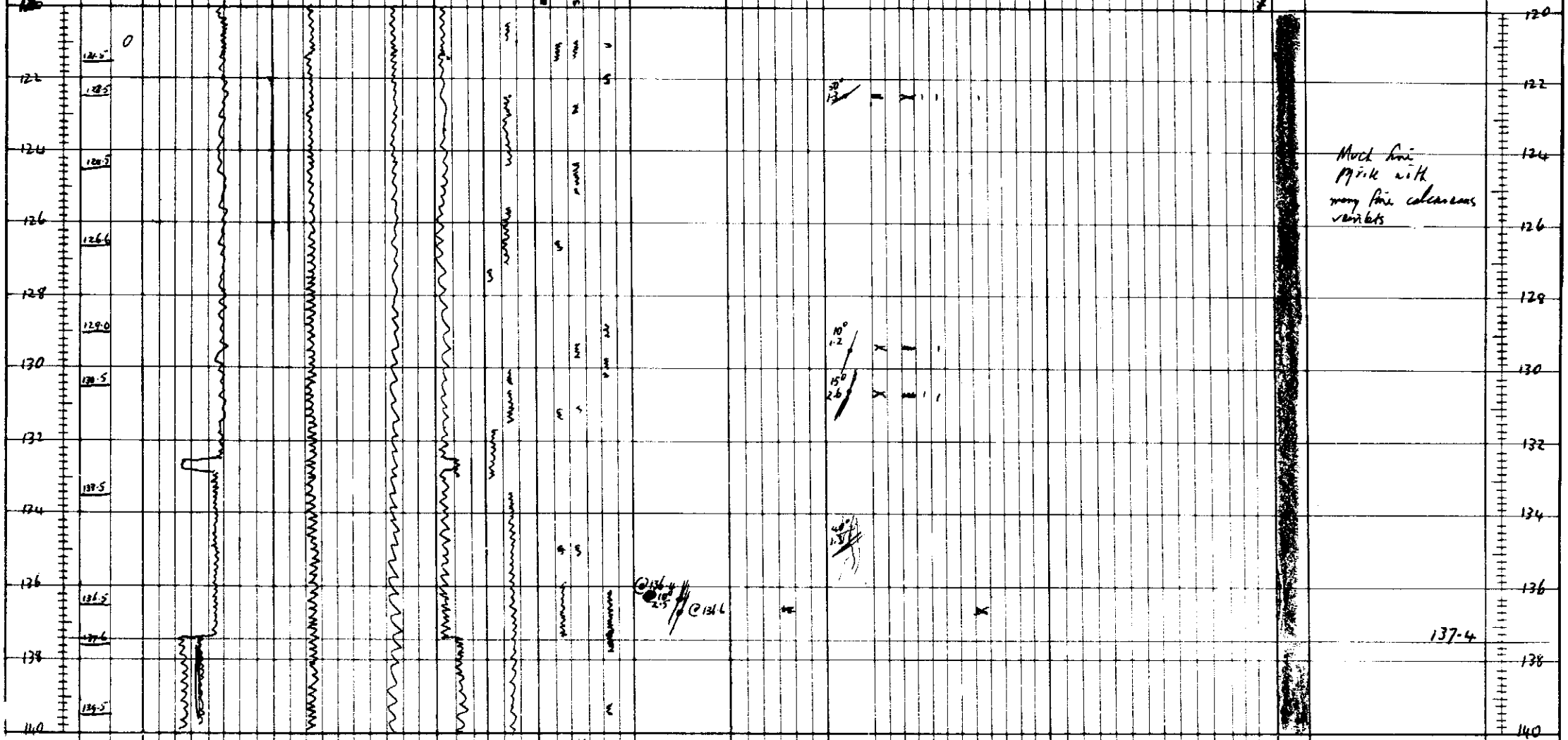
BY P.D.E.

DATE 17/3/81

INTERVAL | CORE RECOVERY | ROCK TYPE | COLOUR | GRAIN SIZE | TEXT. | STRUCTURAL FEATURES | FAULT | ALTERATION | VEIN MINERALOGY | LODE MINERALOGY | PLOTTING SYMBOLS | REMARKS

DEPTH M | LIFTS | LOSS | VB VT LST SS SH CH L | BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK | FINE MEDIUM COARSE | BANDED CHAOTIC | BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN | LOCATION & THICKNESS | SiO2 Chl Tm Co3 Bleach | LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS | QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%



CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE N° 1610

BY . P.D.E.

DATE 18/3/81

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INTERVAL	CORE RECOVERY	ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS
DEPTH M	LIFTS / LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE		
160							160.4					
	160.8											
	160.6											
162												
	162.5	0										
164		0.1										Some pyrite and many calcareous veinlets
									85° 2.0			
	165.5								70°-60° 2.1			
166												
		0										
168												
	168.5								90° 0.3			
170		0										
									30°+70° 1.2			
	171.5											
172												
		0.1										
174												174.0
	174.0											
	174.9	0.1										
176												Much pyrite in some parts
		0										
	177.5											
178												
		0										
	179.7											
180												

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

NWPS 36406 8/80

CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº 1610

BY P. D. E.

DATE 4/3/81

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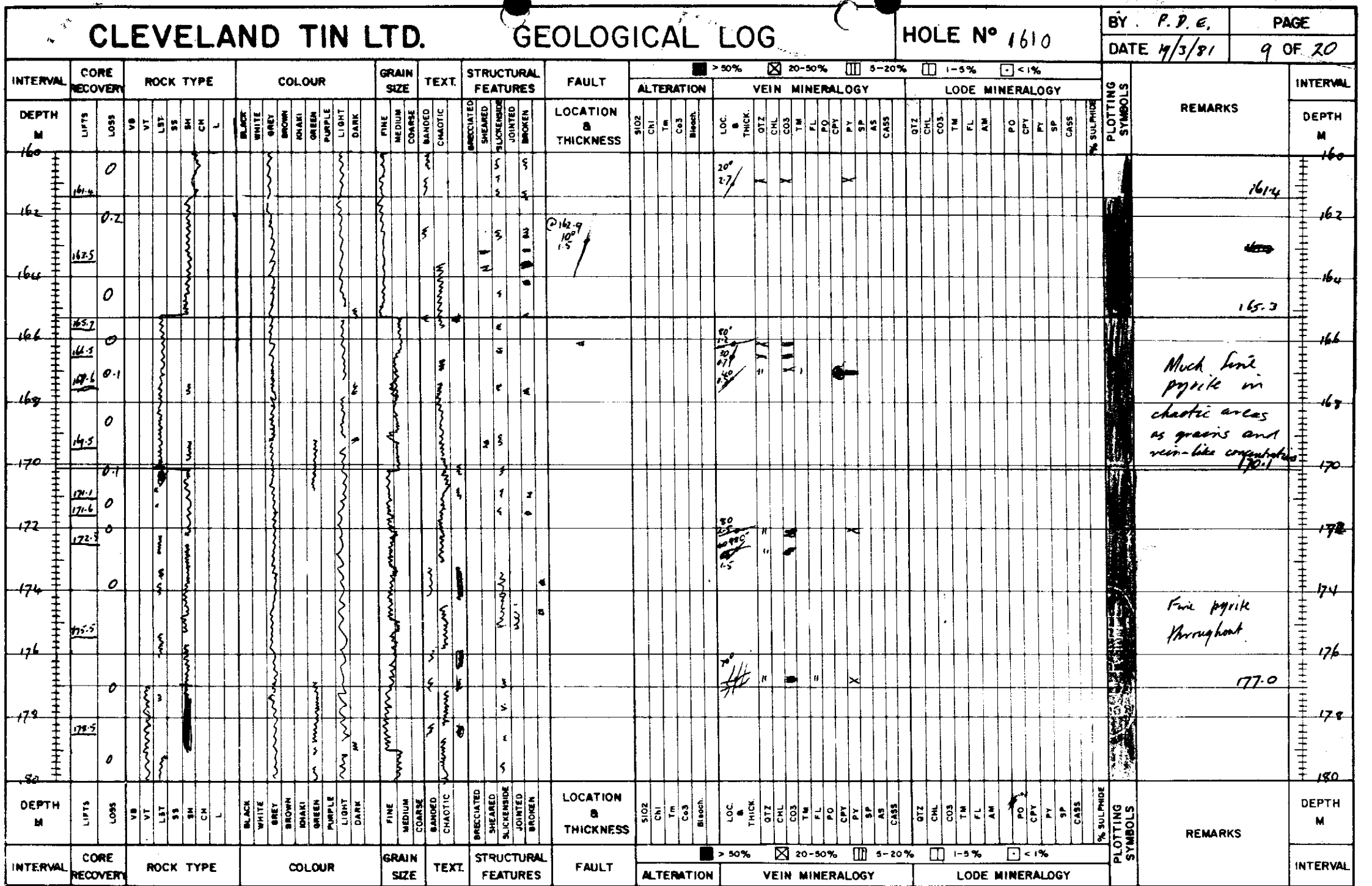

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº C1610

BY . P.D.E

DATE 19/3/81

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■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

INTERVAL / DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB VT LST SS SH CH L	COLOUR: BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE: FINE MEDIUM COARSE	TEXT.: BANDED CHAOTIC	STRUCTURAL FEATURES: BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION: SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY: LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY: QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL / DEPTH M
180		0												180
	181.5												Minor pyrite & ~~depth~~ po.	
182		0											182.7	182
	182.6													
184		0											184.5	184
	184.5													
		0												
186	185.4													186
		0												
	187.5													
188		0												188
	189.6													
190		0												190
	190.5													
		0											191.8	
192	192.4													192
		0												
	193.5												colourous	
194		0												194
	194.8													
		0												
196													196.1	196
	196.5													
		0												
198	198.2													198
200														200

DEPTH M	LIFTS	LOSS	VB VT LST SS SH CH L	BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	FINE MEDIUM COARSE	BANDED CHAOTIC	BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	LOCATION & THICKNESS	SiO2 Chl Tm Co3 Bleach	LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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CLEVELAND TIN LTD. GEOLOGICAL LOG

HOLE Nº 1610

BY . A.H.

DATE 19/8/81

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■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

INTERVAL DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE VB VT LST SS SH CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
														196
196.5		0								THROUGHOUT	So AC.A. 55° @ 198.7		MEDIUM TO FINE GRAINED SHALE WITH A TURBIDITE TYPE LAYERING. CONTAINS LAYERS OF BLACK CARBONACEOUS MATERIAL AND SYNGENETIC PYRITE	198
198.2		0					CALCAREOUS							199.1
											So A C.A. 55° @ 200.9		CONTORTED LAMINATION	200
200.9		0								THROUGHOUT			OCCASIONALLY PRESERVED TRACE PYRITE. CAVERNOUS TEXTURE (PETROLOGY 202.2) S.N. 183774 "SIMPLE BRECCIA"	202
														203
204										THROUGHOUT	So AC.A. 46° @ 204			204
														204.2
										THROUGHOUT	So (SHEAR) 35° @ 204.6		LT- LIGHT GREY, MASSIVE, MEDIUM GRAINED TRACE LAYERED PYRITE IN SHALE	205.1
205.5													TRACE PYRITE, SPH.	206
207.3		0.6								THROUGHOUT But DECREASING			ASSOCIATED WITH CARBONATE VEINING (e.g. 206.1)	208
		0.4												
208.5		0												
210.0											So(?) AC.A. 30° @ 210			210
211.4		0												
211.5		0												212.0 212
													TRACE FINE PYRITE IN COARSER SECTIONS.	212.7
213.0		0								THROUGHOUT			GRADED BEDDING (??)	214
		0									So AC.A. 29° @ 214.8		AT 214.7 INDICATING YOUNGING DOWNHOLE	
214.5														216

DEPTH M	LIFTS	LOSS	ROCK TYPE VB VT LST SS SH CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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HOLE Nº 1610

BY A.H.

DATE 10/8/81

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■ >50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ <1%

INTERVAL / DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB, VT, LST, SS, SH, CH, L	COLOUR: BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	GRAIN SIZE: FINE, MEDIUM, COARSE	TEXT.: BANDED, CHAOTIC, [illegible]	STRUCTURAL FEATURES: BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	FAULT LOCATION & THICKNESS	ALTERATION: SiO2, Chl, Tm, CaO3, Bleach	VEIN MINERALOGY: LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	LODE MINERALOGY: QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL / DEPTH M
														216
		G												216.5
													trace V. fine diss. pyrite	217.5
	217.5	O								STRONG THROUGHOUT			TUFFS AND SHALES HAVE A STRONG NOT ERRATIC IMPRESSION CONTROLLED BY THE COMPLEX LAMINATION	218
		O												220
	220.5	O									S.A.C.A. 65° @ 221.0		BLACK SHALE WITH PYRITIC BANDS	222.6
	223.5									WEAK THROUGHOUT	S.A.C.A. 65° @ 222.4		TRACE FINE PYRITE IN LIMESTONE. COARSER IN TUFF. THESE (TUFFS ~~METASOMATIC~~) ROCKS??	224
	225.4	O												225.4
										MOD. THROUGHOUT			DISTINCTIVE RIBBON LIKE LAMINATION TRACE PYRITE THROUGHOUT.	226
		O									STRONG SILICA, →		(PETROLOGY 226.2) S.N. 183775	226.6
														227.0
	228.4									MODERATE THROUGHOUT	S.A.C.A. 30° @ 228.6		TRACE PYRITE ASSOCIATED WITH CARBONATE VEINING	228
		O												229.4
										STRONG THROUGHOUT				230
	230.6									WEAK	S.A.C.A. 45° @ 230.8		GRADED BEDDING - YOUNGING UP HOLE	230.6
													PYRITE	231.0
											S.A.C.A. 65° @ 231.9		GRADED BEDDING - YOUNGING TO HOLE	231.5
		O												231.9
														232.4
	233.7									VERY WEAK				233.7
										STRONG	S.A.C.A. 55° @ 233.7			234
		O								STRONG				234.3
										WEAK				234.9
										STRONG	S.A.C.A. 35° @ 235.0		(PETROLOGY 235.0)	235.6
													PYRITIC	236
DEPTH M	LIFTS	LOSS	VB, VT, LST, SS, SH, CH, L	BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	FINE, MEDIUM, COARSE	BANDED, CHAOTIC	BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	LOCATION & THICKNESS	SiO2, Chl, Tm, CaO3, Bleach	LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ >50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ <1%

S.N. 183776 "ARGILLACEOUS LIMESTONE"

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■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

INTERVAL DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT LOCATION & THICKNESS	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
														236
	236.8	0	LST, SS, SH, CH	GREY, LIGHT, DARK	MEDIUM	CHAOTIC				MODERATE				236.5
		0								MODERATE			DARK GREY - BLACK LAYERS PYRITE.	238
	237.0		SH, L	GREY, LIGHT, DARK	MEDIUM	CHAOTIC	BRECCIATED, JOINTED, BROKEN							239.7
			LST	GREY, LIGHT	COARSE					MODERATE				240
			SH	GREY, LIGHT, DARK	MEDIUM	CHAOTIC				WEAK				239.3
			LST	GREY, LIGHT, DARK	MEDIUM	CHAOTIC				STRONG				240.8
		0	SH	GREY, LIGHT, DARK	MEDIUM	CHAOTIC				MOD	S. ∧ C.A. 15° @ 241.7		241.7 - FINE LAYERS OF SYN-GENETIC PYRITE	241.4
														242
	242.6		SH	GREY, LIGHT, DARK	MEDIUM	CHAOTIC	BROKEN			STRONG				242.4
														244
		0	LST	GREY, LIGHT, DARK	MEDIUM	CHAOTIC				MODERATE			244.2 - HYDRAULIC BRECCIA	244.2
	245.7		SH	GREY, LIGHT, DARK	MEDIUM	CHAOTIC	BROKEN							245.4
														246
		0	SH	GREY, BROWN, LIGHT, DARK	MEDIUM	CHAOTIC				WEAK				247
	248.8		LST	GREY, BROWN, LIGHT, DARK	MEDIUM	CHAOTIC	BROKEN							248.5
										WEAK	S. S. N.C.A. 50° AT CONTACT		SEVERAL SMALL PINCHES OF SMALL WITH STRATIFORM PYRITE.	249 250
										STRONG			CONFORMABLE CONTACT	250.3
	251.7	0	LST	GREY, KHAKI, GREEN, LIGHT, DARK	FINE, MEDIUM	BANDED, CHAOTIC							PYRITE. CARBONATE YELLOWISH RATHER THAN WHITE AS IN UNIT ABOVE	252
	253.5	0	LST	GREY, KHAKI, GREEN, PURPLE, LIGHT, DARK	FINE, MEDIUM	BANDED, CHAOTIC				MODERATE	S. N.C.A. 50° @ 253.0		OCCASIONAL CLOTS AND AGGREGATES UP TO 3mm, OF GRANULAR PYRITE.	254
	255.9		LST	GREY, KHAKI, GREEN, PURPLE, LIGHT, DARK	FINE, MEDIUM	BANDED, CHAOTIC				MODERATE				256

DEPTH M | LIFTS | LOSS | VB VT LST SS SH CH L | BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK | FINE MEDIUM COARSE | BANDED CHAOTIC | BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN | LOCATION & THICKNESS | SiO2 Chl Tm Co3 Bleach | LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS | QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE | PLOTTING SYMBOLS | REMARKS | INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

ALTERATION | VEIN MINERALOGY | LODE MINERALOGY

INTERVAL | CORE RECOVERY | ROCK TYPE | COLOUR | GRAIN SIZE | TEXT. | STRUCTURAL FEATURES | FAULT

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■ >50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ <1%

INTERVAL / DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB, VT, LST, SS, SH, CH, L	COLOUR: BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	GRAIN SIZE: FINE, MEDIUM, COARSE	TEXT.: BANDED, CHAOTIC	STRUCTURAL FEATURES: BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	FAULT LOCATION & THICKNESS	ALTERATION: SiO2, Chl, Tm, Co3, Bleach	VEIN MINERALOGY: LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	LODE MINERALOGY: QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL / DEPTH M
		0								WEAK				256
										NEAR				257.4 / 258
	258.7									258.2 / 3.0	?		258.8 – 260.4 – CRACKLE TEXTURE. ROCK SUFFUSED WITH A DENSE NETWORK OF BLACK ANASTOMOSING VEINLETS	260
		0								WEAK			TRACES OF GRANULAR MPITE	262
	262.05	0										MARL	263.0 – 264.0 – CHLORITE (?) VEINS. (264.0 – FEFFOLDING)	264
	265.2												S.N 183777	265.0
													ALL UNITS LOCATED VT = MARL.	266
		0											"TUFF" MAY BE ALTERED SHALE.	268
	268.3 / 269.3	0								WEAK				270
	271.7	0						271.7 / 5.0						272
	272.8	0											S.N C-AL 60° @ 73.4	CONTACT IS GRADATIONAL OVER ABOUT ONE METER AS RED BROWN COLOUR BECOMES MORE INTENSE 274.0 274
	274.2 / 274.3 / 275.1	0											RED BROWN SHALE FINE GRAINED. COLOUR OBSCURES MOST FEATURES EXCEPT FOR OCCASIONAL FAINT PRIMARY LAMINATE	276
DEPTH M	LIFTS	LOSS	VB, VT, LST, SS, SH, CH, L	BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	FINE, MEDIUM, COARSE	BANDED, CHAOTIC	BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	LOCATION & THICKNESS	SiO2, Chl, Tm, Co3, Bleach	LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ >50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ <1%

A FEW THIN (<2mm) CARBONATE VEINS THROUGHOUT

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■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE VB VT LST SS SH CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
	276·9	0									A.C.A. 45° @ 276		277·0 - CARBONATE VEIN HYDRAULIC BRECCIA	276
		0												278
	278·7													
	279·9	0												280
	280·8	0												282
	283·5	0												284
	285·5	0						285·5						286
	286·6	0												
	287·8	0						287·8						288
		0											KAHKI-GREEN ZONES - SAME ROCK TYPE AS ELSEWHERE BUT NOT PENETRATED BY THE RED BROWN COLOURING. @ 80·3 - PETROLOGY	290
	290·7	0											S.N. 183778 "RED SHALE, PERH LIMONITE STAINING"	292
	292·3	0												294
	293·4													
	295·1	1·2m GROUND SURF. 0·1												296
	295·3													
	295·5													

DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE VB VT LST SS SH CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M

■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

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■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

INTERVAL / DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB, VT, LST, SS, SH, CH, L	COLOUR: BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	GRAIN SIZE: FINE, MEDIUM, COARSE	TEXT.: BANDED, CHAOTIC	STRUCTURAL FEATURES: BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	FAULT LOCATION & THICKNESS	ALTERATION: SiO2, Chl, Tm, Co3, Bleach	VEIN MINERALOGY: LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	LODE MINERALOGY: QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL / DEPTH M
	297·2													296
														298
	298·5 / 299·15							299·15					CHLORITE ON MOST FAULT AND JOINT PLANES IN THIS UNIT	
	301·5													300
	302·9													302
	304·5 / 305·4							305·0 / ±0 45°						304
	307·5							306·5 / 1·0 40°; 307·0 / ±0 25°						306
	308·4 / 309·4													308
	310·8 / 311·7							311·0						310
	312·3 / 312·9 / 313·3													312
	315·10													314
														315·9 316

DEPTH M	LIFTS	LOSS	VB	VT	LST	SS	SH	CH	L	BLACK	WHITE	GREY	BROWN	KHAKI	GREEN	PURPLE	LIGHT	DARK	FINE	MEDIUM	COARSE	BANDED	CHAOTIC	BRECCIATED	SHEARED	SLICKENSIDE	JOINTED	BROKEN	LOCATION & THICKNESS	SiO2	Chl	Tm	Co3	Bleach	LOC. & THICK.	QTZ	CHL	CO3	TM	FL	PO	CPY	PY	SP	AS	CASS	QTZ	CHL	CO3	TM	FL	AM	PO	CPY	PY	SP	CASS	% SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE							COLOUR									GRAIN SIZE			TEXT.		STRUCTURAL FEATURES					FAULT	ALTERATION					VEIN MINERALOGY											LODE MINERALOGY																

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB, VT, LST, SS, SH, CH, L	COLOUR: BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK, Z COLOUR, Jm R	GRAIN SIZE: FINE, MEDIUM, COARSE	TEXT.: BANDED, CHAOTIC	STRUCTURAL FEATURES: BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	FAULT: LOCATION & THICKNESS	ALTERATION: SiO2, Chl, Tm, CaS, Bleach	VEIN MINERALOGY: LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	LODE MINERALOGY: QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
	316.2	0						316.2 / 10.07 THREE OF PY, CPY IN CHLORITE ON JOINT PLANE						316
	317.4 317.6	0												
														318
		0											OVER ABOUT 2M THE COLOUR OF THE GREY SHALE CHANGES EVENLY AND PROGRESSIVELY TO RED BROWN THE CHANGE AT THE UPPER CONTACT IS NOT PROGRESSIVE BUT OCCURS OVER ABOUT 0.5M	
	319.5												PETROLOGY - 319.5 S.N. 183779	319.5
								320.0 / 1.0 6° CHL CARB (py)						320
		0								321.8/1.0 X X				
														322
	322.5													
		0												324
	325.5													
														326
		0								327.6 / 5.0			327.6 - HYDRAUL BRECCIA	
	328.35													328
		0												
	330.10													330
		0												
														332
	332.4							332.4 / 80.0						
		0						335.3 / 3.0 30°						334
	334.5													
		0												336
DEPTH M	334.10 LIFTS	LOSS	VB, VT, LST, SS, SH, CH, L	BLACK, WHITE, GREY, BROWN, KHAKI, GREEN, PURPLE, LIGHT, DARK	FINE, MEDIUM, COARSE	BANDED, CHAOTIC	BRECCIATED, SHEARED, SLICKENSIDE, JOINTED, BROKEN	LOCATION & THICKNESS	SiO2, Chl, Tm, CaS, Bleach	LOC. & THICK., QTZ, CHL, CO3, TM, FL, PO, CPY, PY, SP, AS, CASS	QTZ, CHL, CO3, TM, FL, AM, PO, CPY, PY, SP, CASS, % SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY			INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

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■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE VB VT LST SS BM CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK COPPER	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M
														336
	337.5	0												
														338
	338.9	0												
														340
	340.5													
	342.0	0												342
										342.1 / 2.0	? ■ •		CARBONATE VEIN WITH 1.0CM GREEN SELVEDGE. THE VEIN HAS OBLITERATED THE RED BROWN COLOURING FOR A DISTANCE OF ABOUT 0.5CM	344
		0								343.6 / 0.5	? ✕			
	345.0												HAIRLINE CARBONATE VEINS WITH THIS FEATURE ARE COMMON THROUGHOUT THIS ROCK UNIT.	346
		0												
	348.0													348
		0												350
	351.0													352
		0												
	354.0													354
	355.2	0												356

DEPTH M	CORE RECOVERY LIFTS	CORE RECOVERY LOSS	ROCK TYPE VB VT LST SS BM CH L	COLOUR BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE FINE MEDIUM COARSE	TEXT. BANDED CHAOTIC	STRUCTURAL FEATURES BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL DEPTH M

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

INTERVAL / DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE: VB VT LST SS SH CH L	COLOUR: BLACK WHITE GREY BROWN KHAKI GREEN PURPLE LIGHT DARK	GRAIN SIZE: FINE MEDIUM COARSE	TEXT.: BANDED CHAOTIC	STRUCTURAL FEATURES: BRECCIATED SHEARED SLICKENSIDE JOINTED BROKEN	FAULT LOCATION & THICKNESS	ALTERATION: SiO2 Chl Tm Co3 Bleach	VEIN MINERALOGY: LOC. & THICK. QTZ CHL CO3 TM FL PO CPY PY SP AS CASS	LODE MINERALOGY: QTZ CHL CO3 TM FL AM PO CPY PY SP CASS % SULPHIDE	PLOTTING SYMBOLS	REMARKS	INTERVAL / DEPTH M
														356
		0												358
	358.3	0												360
	361.3													362
	362.9	0						MAJOR FAULT 362.9 20.0					BRECCIA WITH QTZ, MINOR CPY INFILLING	362.8
	364.5	0												364
	366.7	0												366
		0												368
	368.7	0											RED BROWN COLOURATION, LESS INTENSE THAN IN UNIT PRECEEDING	370
	370.5	0												372
	373.5	0						373.5 MAJOR FAULT ZONE ↓						374
	374.3 / 374.9 / 375.4	0 / 0 / 0												376

DEPTH M	CORE RECOVERY: LIFTS	CORE RECOVERY: LOSS	ROCK TYPE	COLOUR	GRAIN SIZE	TEXT.	STRUCTURAL FEATURES	FAULT LOCATION & THICKNESS	ALTERATION	VEIN MINERALOGY	LODE MINERALOGY	PLOTTING SYMBOLS	REMARKS	INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▯ 1-5% ⊡ < 1%

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■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

INTERVAL	CORE RECOVERY		ROCK TYPE							COLOUR									GRAIN SIZE			TEXT.		STRUCTURAL FEATURES					FAULT	ALTERATION					VEIN MINERALOGY											LODE MINERALOGY												PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB	VT	LST	SS	SH	CH	L	BLACK	WHITE	GREY	BROWN	KHAKI	GREEN	PURPLE	LIGHT	DARK	FINE	MEDIUM	COARSE	BANDED	CHAOTIC	BRECCIATED	SHEARED	SLICKENSIDE	JOINTED	BROKEN	LOCATION & THICKNESS	SiO2	Chl	Tm	Co3	Bleach	LOC. & THICK.	QTZ	CHL	CO3	TM	FL	PO	CPY	PY	SP	AS	CASS	QTZ	CHL	CO3	TM	FL	AM	PO	CPY	PY	SP	CASS	% SULPHIDE			DEPTH M
376.5	376.5	0																																																														376
377.4	377.4	0.7																																																																
378.7	378.7	0.4																																																																378
379.5	379.5	0.5																																																																
380.7	380.7	0.9																											381.4																																							380
		0																																																																	
382.5	382.5																																																																	382
		0																																																																	
																																																																			384
385.3	385.3																																																																	385.2
																																																																			CONTACT GRADATIONAL OVER 0.5m.	386
		0																																																																		
																																																																			388
388.2	388.2																																																																		390
		0																																																																	
391.2	391.2																																																																	392
		0																																																																	
																																																																			394
394.4	394.4																																																																	396
DEPTH M	LIFTS	LOSS	VB	VT	LST	SS	SH	CH	L	BLACK	WHITE	GREY	BROWN	KHAKI	GREEN	PURPLE	LIGHT	DARK	FINE	MEDIUM	COARSE	BANDED	CHAOTIC	BRECCIATED	SHEARED	SLICKENSIDE	JOINTED	BROKEN	LOCATION & THICKNESS	SiO2	Chl	Tm	Co3	Bleach	LOC. & THICK.	QTZ	CHL	CO3	TM	FL	PO	CPY	PY	SP	AS	CASS	QTZ	CHL	CO3	TM	FL	AM	PO	CPY	PY	SP	CASS	% SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE							COLOUR									GRAIN SIZE			TEXT.		STRUCTURAL FEATURES					FAULT	ALTERATION					VEIN MINERALOGY											LODE MINERALOGY															INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ▥ 1-5% ⊡ < 1%

FAULT ZONE: GRAVELLY CORE; CORE LOSS; BRECCIATION RECEMENTED BY WHITE AND YELLOW CARBONATE AND QUARTZ; CAVERNOUS TEXTURE; SOME CAVITIES INFILLED WITH QUARTZ CRYSTALS - MILKY QUARTZ. ~~MINOR PYRITE AND CHLORITE~~ ANGULATED

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HOLE Nº 1610

BY A.H.

DATE 10/8/81

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INTERVAL	CORE RECOVERY		ROCK TYPE							COLOUR									GRAIN SIZE			TEXT.		STRUCTURAL FEATURES					FAULT	ALTERATION					VEIN MINERALOGY											LODE MINERALOGY											PLOTTING SYMBOLS	REMARKS	INTERVAL
DEPTH M	LIFTS	LOSS	VB	VT	LST	SS	SH	CH	L	BLACK	WHITE	GREY	BROWN	KHAKI	GREEN	PURPLE	LIGHT	DARK	FINE	MEDIUM	COARSE	BANDED	CHAOTIC	BRECCIATED	SHEARED	SLICKENSIDE	JOINTED	BROKEN	LOCATION & THICKNESS	SiO2	Chl	Tm	Co3	Bleach.	LOC. & THICK.	QTZ	CHL	CO3	TM	FL	PO	CPY	PY	SP	AS	CASS	QTZ	CHL	CO3	TM	FL	AM	PO	CPY	PY	SP	CASS	% SULPHIDE			DEPTH M
	397.0 397.5	0 0 0																																																									396 398

397.85
E.O.H.

DEPTH M	LIFTS	LOSS	VB	VT	LST	SS	SH	CH	L	BLACK	WHITE	GREY	BROWN	KHAKI	GREEN	PURPLE	LIGHT	DARK	FINE	MEDIUM	COARSE	BANDED	CHAOTIC	BRECCIATED	SHEARED	SLICKENSIDE	JOINTED	BROKEN	LOCATION & THICKNESS	SiO2	Chl	Tm	Co3	Bleach.	LOC. & THICK.	QTZ	CHL	CO3	TM	FL	PO	CPY	PY	SP	AS	CASS	QTZ	CHL	CO3	TM	FL	AM	PO	CPY	PY	SP	CASS	% SULPHIDE	PLOTTING SYMBOLS	REMARKS	DEPTH M
INTERVAL	CORE RECOVERY		ROCK TYPE							COLOUR									GRAIN SIZE			TEXT.		STRUCTURAL FEATURES					FAULT	ALTERATION					VEIN MINERALOGY											LODE MINERALOGY											PLOTTING SYMBOLS	REMARKS	INTERVAL

■ > 50% ⊠ 20-50% ▥ 5-20% ◫ 1-5% ⊡ < 1%

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