C1570

CLEVELAND TIN — GEOLOGY DEPT.

HOLE Nº - C1570 DRILL HOLE RECORD SHEET

Location: 20/22 Loading Bay Sect: J

Objective: Mo-W Veining Category: M/E

Proposed Azimuth: 312° Proposed Dip: -80°

Survey P/U Azimuth: 310° 37' 31" Survey P/U Dip: -79° 23' 01"

Instrument Azimuth Correction Factor: Calced by M Evans 24/11/80

Collar Co-ords: 15468.88 N. 10821.022 E.

Collar R.L.: 1054.832 Final Depth: 408 m

Drilled By: Longyear - Oscar River, Grant

Rig Type: EHS 38 Core Size: NQ + BQ

Drilling Commenced: 30/10/80 Drilling Completed: 21/11/80

Survey Data				Interpolated Data		
Survey Inst.	Depth	Az.	Dip	Depth	Az.	Dip
Surv. P/U	0	310.5	-79°	0	305.6	-79.4
Cam. ME	15	304/309	-79.4	12.5	304.5	-79.5
ME	75	302/307	-80	37.5	302.2	-79.9
ME	135	300/305	-80	62.5	298.75	-80
ME	195	287/292	-79	87.5	296	-80
ME	255	280/285	-79.75	112.5	295.25	-80
ME	315	282/287	-79.75	137.5	294.75	-80
ME	365	281/286	-79.75	162.5	291.6	-79.9
				187.5	285.2	-79.4
				212.5	278.6	-79
				237.5	275.6	-79.1
				262.5	275	-79.75
				287.5	275.8	-79.8
				312.5	277	-79.75
				337.5	277.1	"
				362.5	276.2	"
				387.5	274.8	"
				408	273.6	-79.75

SMITH PRINT

CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

PRELIMINARY ASSAY REPORT

COST CODE: 953C
COMPILATION DATE: 30-5-83
COMPILED BY: NFP
ASSAY DATES:

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO3	%MoS2	%Bi	%CaF2
304 598	C1570	Foley				50·0	52·5	2·5		0·01			0·010			
599	"	"				52·5	55·0	"		0·01			0·020			
600	"	"				55·0	57·5	"		<0·01			0·010			
601	"	"				57·5	60·0	"		<0·01			0·010			
602	"	"				60·0	62·5	"		0·01			0·015			
603	"	"				62·5	65·0	"		<0·01			0·015			
604	"	"				65·0	67·5	"		0·01			0·030			
605	"	"				67·5	70·0	"		0·01			0·050			
606	"	"				70·0	72·5	"		<0·01			0·065			
607	"	"				72·5	75·0	"		<0·01			0·010			
608	"	"				~~72·5~~ 75·0	77·5	"		0·02			0·080			
609	"	"				77·5	80·0	"		0·03			0·030			
610	"	"				80·0	82·5	"		<0·01			0·010			
611	"	"				82·5	85·0	"		0·01			0·035			
612	"	"				85·0	87·5	"		<0·01			0·010			
613	"	"				87·5	90·0	"		0·06			0·020			
614	"	"				90·0	92·5	"		0·09			0·055			
615	"	"				92·5	95·0	"		0·05			0·020			
616	"	"				95·0	97·5	"		0·15			0·060			
304 617	"	"				97·5	100·0	"		0·06			0·050			

CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

PRELIMINARY ASSAY REPORT

COST CODE: 953.C
COMPILATION DATE: 9.6.83
COMPILED BY: MP
ASSAY DATES:

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO_3	%MoS_2	%Bi	%CaF_2
3046 18	C1570	Foley				100·0	102·5	2·5		0·11		0	0·125			
619	"					102·5	105·0	"		0·06			0·060			
620	"					105·0	107·5	"		0·04			0·025			
621	"					107·5	110·0	"		0·05			0·025			
622	"					110·0	112·5	"		0·04			0·030			
623	"					112·5	115·0	"		0·09			0·015			
624	"					115·0	117·5	"		0·02			0·070			
625	"					117·5	120·0	"		0·01			0·010			
626	"					120·0	122·5	"		0·01			0·030			
627	"					122·5	125·0	"		0·03			0·065			
								"								

QUICK LOG CISTO GSM'A

1:50 VB:-5

0-2	sh		
2-3.8	ss		
3.8-5.0	ss/sh		
5.0-8.4	vb		
8.4-8.7	ss		
8.7-14.0	vb	12cm fl-qtz-mod.	13.2 m
14.0-15.9	ss?	30cm qtz-fl-wf	15.0 m
15.9-20.9	green vb	8 cm fl-qtz-mo	21.5 m
20.9-26.3	altered sh/vt		
26.3-28.3	sh		
28.3-30.7	ch/sh altered ∇'d	20cm qtz-mo-wf 28.5	
30.7-39.4	sh-pts brecc'd		
39.4-39.7	vb		
39.7-42.4	sh		
42.4-48.5	ss	5cm qtz-mo	45 m
48.5-49.6	ch		
49.6-56.2	vb/ss ?		
56.2-57.5	ss		
57.5-69.0	vb	6cm qtz-wq-mo	66.5
69.0-72.5	ss	2cm qtz-cp-py	74.5
72.4-72.8	vb	5cm qtz-fl-py-wo	75.4
72.8-85.3	ss	5cm qtz	80.1
85.3-86.7	sh	1cm qtz-py-cpy	850
86.7-88	ss	10cm qtz-wo	86.7
88-98.1	alt'd ss's	sil's py-c many mm veins	2cm qtz-wo 95.7
98.1-108.7 last see	ss mor sh	many mm veins 3cm qtz-wo	105.3

QUICK LOG C1570

108.7 – 110.8 ss

110.8 – 122.5 disrupted ss (altered 118.5–122.5)

lge fault 118.5m

113.3 5cm qtz

114.0 3x 1cm qtz-wo

115.0 1cm qtz-cp-py

122.5 – 155.6 ss

126.7 1cm qtz-mo-wo

128.8 1cm qtz-cp-py-wo!

131.4 10cm qtz-CO_3

131.7 2cm qtz-tm

132.1 1cm qtz-tm

134.0 1cm qtz-cp-felspar?

136.5 4cm qtz

137.0 20cm qtz-fl

138.5 2cm qtz-wo

150.0 flt

152.9 1cm qtz-wo

155.6 – 160.2 ss/sh

last see

156.7 10cm qtz-fl

158.1 2cm qtz-mo-wo

159.6 2cm qtz-wo-fl

QUICK LOG C1570 15.11.80

160.8 — 199.8 SS

(talc? zone 167.7 - 168.2)

Veins over 1 cm

162.7 2cm. qtz-tm-wo-mo
167.0 1cm qtz-tm-wo
171.7 2cm qtz-fl
171.9 1cm qtz-tm
175.1 1cm qtz-fl-wo
175.6 7cm qtz-tm-wo
177.0 1cm qtz-fl-wo
178.0 2cm qtz
181.3 1cm qtz
183.6 2cm qtz-fl-chl
184.6 ▽4cm qtz-fl-py-po
185.2 2cm qtz-wo
185.8 1cm qtz-wo
186.8 4cm qtz-tm-talc?-wo
187.6 3cm qtz-wo-mo (good)
189.1 1cm qtz
191.5 7cm qtz-tm-wo
193.3 8cm qtz-chl
193.6 2cm qtz-wo
197.0 8cm fl-qtz-wo
199.6 - 20cm qtz-fl-tm-wo

C1570 QUICK LOG 18.11.80

		VEINS (cont)
199.8 – 219.6 ss.		199.9 1cm qtz-mo
		201.1 2cm qtz-fl-mo
		201.2 2cm qtz-wo
		205.0 1cm qtz-fl-mo
		205.2 1cm qtz-wo-mo
		206.0 12cm qtz-wo
		206.1 7cm qtz-CO_3-fl-wo
		207.2 10cm fl-CO_3-qtz-wo
		207.8 1cm qtz-wo
		213.9 10cm CO_3-fl-tm-wo
		214.3 2cm qtz-wo
219.6 – 228.1 sh		222.2 1cm qtz-cpy
		226.6 12cm CO_3-fl-qtz-wo
228.1 – 242.0 ss		230.7 1cm qtz
		232.8 23cm qtz-fl-wo
		235.3 3cm fl-chl-talc
		235.8 1cm qtz-chl-wo
		237.6 1cm fl-chl-talc
		241.3 1cm fl-talc
242 – 251 sh/ss		241.9 3cm qtz-wo
		246.6 2cm qtz-fl-wo
		248.3 3cm qtz-wo
		253.4 2cm qtz-talc-wo
251 – 261 altered sh/ss		254.1 1cm qtz-wo
		254.8 10cm qtz-wo
		255.3 2cm qtz-fl
		259.4 2cm qtz-wo
		259.9 7cm wo-qtz !
		260.5 35cm qtz-wo
261 – 266.3 transition to ub		
266.3 – 277.3 ub		heavy CO_3 veining

CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

FINAL ASSAY REPORT

COST CODE: 9358
COMPILATION DATE: 11.4.82
COMPILED BY: E.V.D.
ASSAY DATES:

PAGE 1 OF 1

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO_3	%MoS_2	%Bi	%CaF_2
304 578	C1570	FOLEY				0	2·5	2·5		0·02		0·02	0·015	<0·005	<0·005	
579						2·5	5·0	"		0·05		0·02	0·015	<0·005	0·005	
580						5·0	7·5	"		0·01		<0·01	0·020	<0·005	0·010	
581						7·5	10·0	"		<0·01		0·01	0·015	<0·005	<0·005	
582						10·0	12·5	"		0·01		<0·01	0·005	<0·005	<0·005	
583						12·5	15·0	"		0·04		0·02	0·080	0·015	0·015	
584						15·0	17·5	"		0·03		0·02	0·165	0·020	0·045	
585						17·5	20·0	"		0·02		0·02	0·010	<0·005	0·005	
586						20·0	22·5	"		0·03		0·09	0·050	0·440	0·055	
587						22·5	25·0	"		0·02		0·03	0·015	<0·005	0·005	

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CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

FINAL ASSAY REPORT

COST CODE: 955.C
COMPILATION DATE: 14.4.82
COMPILED BY: [illegible]
ASSAY DATES:

PAGE 1 OF 1

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO_3	%MoS_2	%Bi	%CaF_2
304,588	C1570	Foley				25·0	27·5	2·5		0·04		0·02	0·020	<0·005	0·015	
589						27·5	30·0			0·07		0·01	0·075	0·005	0·035	
590						30·0	32·5			0·34	0·01	0·07	0·025	<0·005	0·020	
591						32·5	35·0			0·12	0·01	0·01	0·015	<0·005	0·005	
592						35·0	37·5			0·01		<0·01	0·025	<0·005	0·005	
593						37·5	40·0			0·02		0·01	0·020	<0·005	0·005	
594						40·0	42·5			0·01		<0·01	0·015	0·005	0·005	
595						42·5	45·0			0·01		<0·01	0·040	0·005	0·025	
596						45·0	47·5			0·01		0·01	0·030	0·005	0·010	
304,597						47·5	50·0			0·01		0·02	0·030	<0·005	0·010	

Hole W 23 S/L MS

allocated by [illegible]
submitted by [illegible]

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CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

FINAL ASSAY REPORT

COST CODE: 953C
COMPILATION DATE: 30-5-83
COMPILED BY: NFP
ASSAY DATES:

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO_3	%MoS_2	%Bi	%CaF_2 S.G.
304 598	C1570	Foley				50·0	52·5	2·5		0·01		<0·01	0·010	<0·005	0·010	2·90
599	"	"				52·5	55·0	"		0·01		<0·01	0·020	0·005	0·035	2·89
600	"	"				55·0	57·5	"		<0·01		<0·01	0·010	<0·005	0·010	2·97
601	"	"				57·5	60·0	"		<0·01		<0·01	0·010	<0·005	0·005	2·91
602	"	"				60·0	62·5	"		0·01		<0·01	0·015	<0·005	0·010	2·94
603	"	"				62·5	65·0	"		<0·01		<0·01	0·015	<0·005	0·010	3·05
604	"	"				65·0	67·5	"		0·01		0·01	0·030	<0·005	0·015	3·08
605	"	"				67·5	70·0	"		0·04		<0·01	0·050	0·020	0·065	3·04
606	"	"				70·0	72·5	"		<0·01		<0·01	0·065	<0·005	0·045	2·99
607	"	"				72·5	75·0	"		<0·01		<0·01	0·010	<0·005	0·010	2·61
608	"	"				~~72·5~~ 75·0	77·5	"		0·02		<0·01	0·080	<0·005	0·030	2·95
609	"	"				77·5	80·0	"		0·03		0·03	0·030	<0·005	0·045	3·01
610	"	"				80·0	82·5	"		<0·01		<0·01	0·010	<0·005	0·010	2·88
611	"	"				82·5	85·0	"		0·01		<0·01	0·035	<0·005	0·010	2·87
612	"	"				85·0	87·5	"		<0·01		<0·01	0·010	<0·005	0·010	2·92
613	"	"				87·5	90·0	"		0·06		0·03	0·020	<0·005	0·010	2·99
614	"	"				90·0	92·5	"		0·09		0·01	0·055	<0·005	0·025	3·03
615	"	"				92·5	95·0	"		0·05		0·02	0·020	<0·005	0·010	3·05
616	"	"				95·0	97·5	"		0·15		0·02	0·060	<0·005	0·040	3·02
304 617	"	"				97·5	100·0	"		0·06		0·04	0·050	0·010	0·025	3·00

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CLEVELAND TIN - GEOLOGY DEPT.

SAMPLE ASSAY DATA

FINAL ASSAY REPORT

COST CODE: 953 C
COMPILATION DATE: 9.6.83
COMPILED BY: MP
ASSAY DATES:

SAMPLE NUMBER	D.D.H. NUMBER	FACE/STOPE LENS	LEVEL	DATE	Σ	FROM	TO	LENGTH	ROCK TYPE	%SnT	%SnS	%Cu	%WO_3	%MoS_2	%Bi	%CaF_2 S.G.
3046 18	C1570	Foley				100·0	102·5	2·5		0·11		0·03	0·125	0·035	0·060	3·03
619	"					102·5	105·0	"		0·06		0·05	0·060	0·040	0·080	2·98
620	"					105·0	107·5	"		0·04		0·02	0·025	0·010	0·020	2·95
621	"					107·5	110·0	"		0·05		0·04	0·025	0·015	0·020	2·95
622	"					110·0	112·5	"		0·04		0·07	0·030	0·005	0·015	2·96
623	"					112·5	115·0	"		0·09		0·23	0·015	<0·005	0·015	3·02
624	"					115·0	117·5	"		0·02		0·05	0·070	<0·005	0·030	2·96
625	"					117·5	120·0	"		0·01		0·14	0·010	<0·005	0·010	3·00
626	"					120·0	122·5	"		0·01		<0·01	0·030	0·005	0·020	2·95
627	"					122·5	125·0	"		0·03		<0·01	0·065	0·015	0·025	2·88