



DRILL HOLE RECORD

Location Que River Area
 Commenced 6.5.1975
 Objective Definition of "Q" lens and sampling for metallurgy.

Property Mackintosh EL 2/70
 Completed 13.5.1975

District Tasmania, Australia
 Core size HQ to 152.2 m EOH.
 % Recovery 95

Alt./R.L. 699.08
 Co-ordinate 7346.3
5078.3
 Bearing (M) 96° 53'
 Grid bearing (M) 8.75

Hole No QR 40
 Date 15.5.1975
 Logged R.D. Birrell
 Dip 49° 10'

SURVEY DATA				GRAPH DERIVED DATA						REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	50	99	Compass and Clinometer	0	49.2	96.9	7346.3	5078.3	699.08	
*38	51	104		25	50.5	97	7346.8	5094.4	680.0	
38	51	100	Cominco	50	50.5	97.5	7347.2	5110.3	660.7	
70	48.5	157	Error. Camera in rods.	75	49	98	7347.5	5126.5	641.6	
*74	48.5	105		100	46	99.5	7347.5	5143.3	623.2	
74	49	102	Cominco	121	44	101	7347.1	5158.1	608.4	121 - 122 m Zone containing massive banded base metal sulphides.
*107	45	108.5		152.2	43	101.5	7346.1	5180.6	587.0	
107	45	105	Cominco							
110	45	145	Error Cominco							
110	45	150	Error Cleveland							
*146	43.5	110								
146	43	106	Cominco							
0	49° 10'	96° 53'								(Pick up by theodolite of collar).
* Cleavelands			Eastman Camera.							



DIAMOND DRILL LOG

Feature : Bedding Shearing
 Foliation Fault
 Fragment - size & shape Vein c carbonate
 q quartz

Mineralization : Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive <60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	4.0	The matrix consists of fine sugary quartz crystals (<1 mm) surrounded by fine carbonate.							Pyrite rare as above.
	26.9	DP Fault Contact							
	2.6	DTL Grey, green-grey, buff, carbonated, locally chloritised feldspar crystal tuff(lava?)							
	30	Initially the unit has a pseudo agglomeratic appearance because of auto brecciation and the resulting grey alteration along the fracture lines leaving pink-buff angular fragments (to 5 cm).							
	2.0								
	2.6	34 - 50 m The unit is thoroughly carbonated and iron staining is abundant along fractures and through the unit.							
	35								
	3.3								
	2.7								
	40								
	3.3								
	45								
	2.9	50 - 72 m Pinkish buff in colour with dominantly chloritic alteration along fractures and throughout the unit.							
	0.9								
	50								



DIAMOND DRILL LOG

Feature : Bedding
 Foliation
 Fragment - size & shape

Shearing
 Fault
 Vein c carbonate
 q quartz

Mineralization : Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive <60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m
				TRACE	COMMON	ABUNDANT	
		As above.					
	3.1						
	2.4						
	1.6						
	1.4	55					
	2.8						
	1.6	60					
	1.6						
	1.6						
	1.4						
	1.6	65					
	1.4						
	3.3	70					
	3.0	72 DTL MTL Dark brown, fine grained magnetite bearing unit similar to above.					
	75						



DIAMOND DRILL LOG

Feature :
 Bedding
 Foliation
 Fragment - size & shape

Shearing
 Fault
 Vein carbonate
 quartz

Mineralization :
 Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive <60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m
				TRACE	COMMON	ABUNDANT	
	3.0	Magnetite bearing carbonated feldspar crystal tuff lava as described above.					Pyrite rare.
	3.0						
	80	Irregular carbonate veins (to 2 mm) are common throughout.					
	3.0						
	3.0						
	85						
	1.2						
	1.5						
	1.6						
	90						
	1.4						
	1.6						
	1.4						
	95						
	1.6						
	1.4						
	1.6						
	100						



DIAMOND DRILL LOG

Hole No **QR 40**

Page No **7.**

Feature :
 Bedding
 Foliation
 Fragment - size & shape

Shearing
 Fault
 Vein
 c carbonate
 q quartz

Mineralization :
 Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive <60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	1.6	As above.							Pyrite 3% as above.
	152.2	E.O.H.							

HOLE No QR 40

DATE 21/5/75

INITIAL ANALYSIS:

CHECK LAB:

SAMPLE NO	FROM [M]	TO [M]	IW [cm]	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INT.	%Cu	%Pb	%Zn
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE		XRF	XRF	XRF
159520	120.00	121.13	113		0.05		0.92		0.95			40	380					
159521	121.13	122.40	127		0.31			16.0		27.1		450	>500		8.7			
159522	122.40	123.30	90		0.10			4.04		6.89		130	>500		3.3			
159523	123.30	126.40	310	50cm loss	0.07			1.85		4.71		24	>500		1.3			
159524	126.40	127.50	110		0.04		0.50			1.59		13	380					
	121.13	126.40	527		0.13		5.63		10.48			144.8		3.4	0.15	5.75	10.3	