

Mc ARTHUR RIVER MINING

DIAMOND DRILL HOLE HEADER SUMMARY SHEET

HOLE I.D.	: <u>99/1</u>	LOCATION (eg.drive name)	: <u>2H10 TB</u>
GRID AZIMUTH	: <u>090</u>	DESIGN DEPTH (m)	: <u>210</u>
COLLAR INCLINATION	: <u>-15</u>	TOTAL DEPTH (m)	: <u>172.4</u>
<u>SURVEYED COLLAR CO-ORDINATES</u>		DATE STARTED	: <u>04/04/99</u>
EASTING	: <u>7813.851</u>	DATE FINISHED	: <u>08/04/99</u>
NORTHING	: <u>1819.293</u>		: <u>LONGYEAR</u>
RL	: <u>9663.436</u>	<u>CORE INTERVALS ASSAYED:</u>	
HOLE/CORE SIZE(S)	: <u>LTK-48</u>	152.0-152.9 - I2/3 C&D	
LOGGED BY	: <u>SP</u>	152.9-160.9 - 2OB	
		160.9-162.1 - I1/2 A-D	
D/HOLE SURVEY METHOD	: <u>EASTMAN SS</u>	LOCAL MAG. DEV.	: <u>+ 5</u>
		(add to downhole survey azim. reading)	

RAW DOWNHOLE SURVEY DATA

Depth (m)	Azimuth(Mag)	Dip	Depth (m)	Azimuth(Mag)	Dip
6	88	-15.9	120	90.5	-15.3
30	88.5	-16	160	92	-15.5
60	88.5	-16.5	172.4	92	-15.5
90	89.75	-16			

ASSAY SUMMARY

O/B	TT	Zn%	Pb%	Ag g/t	Fe%
I23		9.0	2.7	26	12.6
#2	7.8	19.8	7	69	6.8
I12		12.2	3.7	39	5.8

Surveyed Collar & Geology Entered Into Micromine Database

:SP /05/98

Assays Entered Into Micromine Database

:SP 26/05/99

Surveyed Collar & Geology Transferred Into Vulcan Database

:SP /06/99

Assays Transferred Into Vulcan Database

:SP /06/99

Comments: TARGETED TO INTERSECT #2 OB NEAR BASE OF LOWER FOLD ZONE
SUCCESSFULLY ACHIEVED
SUB-PARALLELED I2/3 BED & 3L STRATIGRAPHY TO TARGET

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EASTING	:7813.851	DATE FINISHED	: 08/04/98
NORTHING	:1819.293		:LONGYEAR
RL	:9663.436	<u>CORE INTERVALS ASSAYED:</u>	
	:LTK-48	151.1-152.9 - I2/3 C&D	
HOLE/CORE SIZE(S)	:	152.9-160.9 - 2OB	
		160.9-162.85 - I1/2 A-D	
LOGGED BY	:SP		
D/HOLE SURVEY METHOD	:EASTMAN SS	LOCAL MAG. DEV.	: + 5
		(add to downhole survey azim. reading)	

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Mc ARTHUR RIVER MINING
DIAMOND DRILL HOLE PROPOSAL FORM

HOLE I.D. : 99/1

LOCATION (eg.drive name) : ZH10 TB

PROPOSED START DATE : 1/04/99

DESIGN AZIMUTH (GRID) : 090

DESIGN DEPTH : 210m

DESIGN INCLINATION : -15

ESTIMATE COLLAR CO-ORDINATES

SURVEYED COLLAR CO-ORDINATES

EASTING : 7814.0

EASTING : 7813.951

NORTHING : 1819.5

NORTHING : 1819.293

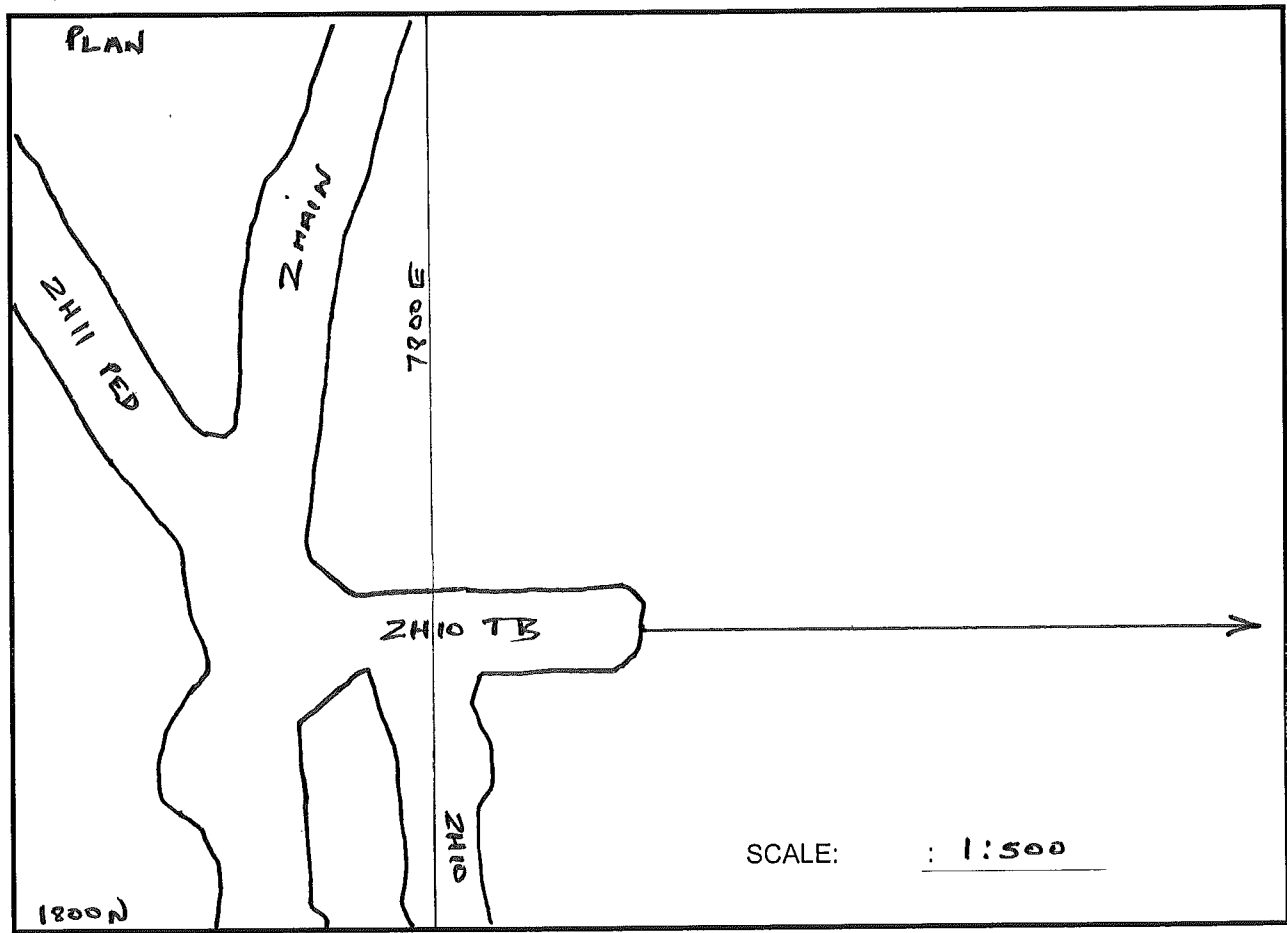
RL : 9664.7

RL : 9663.436

GEOLOGIST : SP

SURVEYOR : Jc.

LOCATION SKETCH



Comments: SURVEY @ 6m THAT DRIVE 30m

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DIAMOND DRILL HOLE PROPOSAL FORM

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LOCATION (eg.drive name) : ZH10 TB

PROPOSED START DATE : 1/04/99

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SURVEYED COLLAR CO-ORDINATES

EASTING : 7814.0

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NORTHING : 1819.5

NORTHING : 1819.293

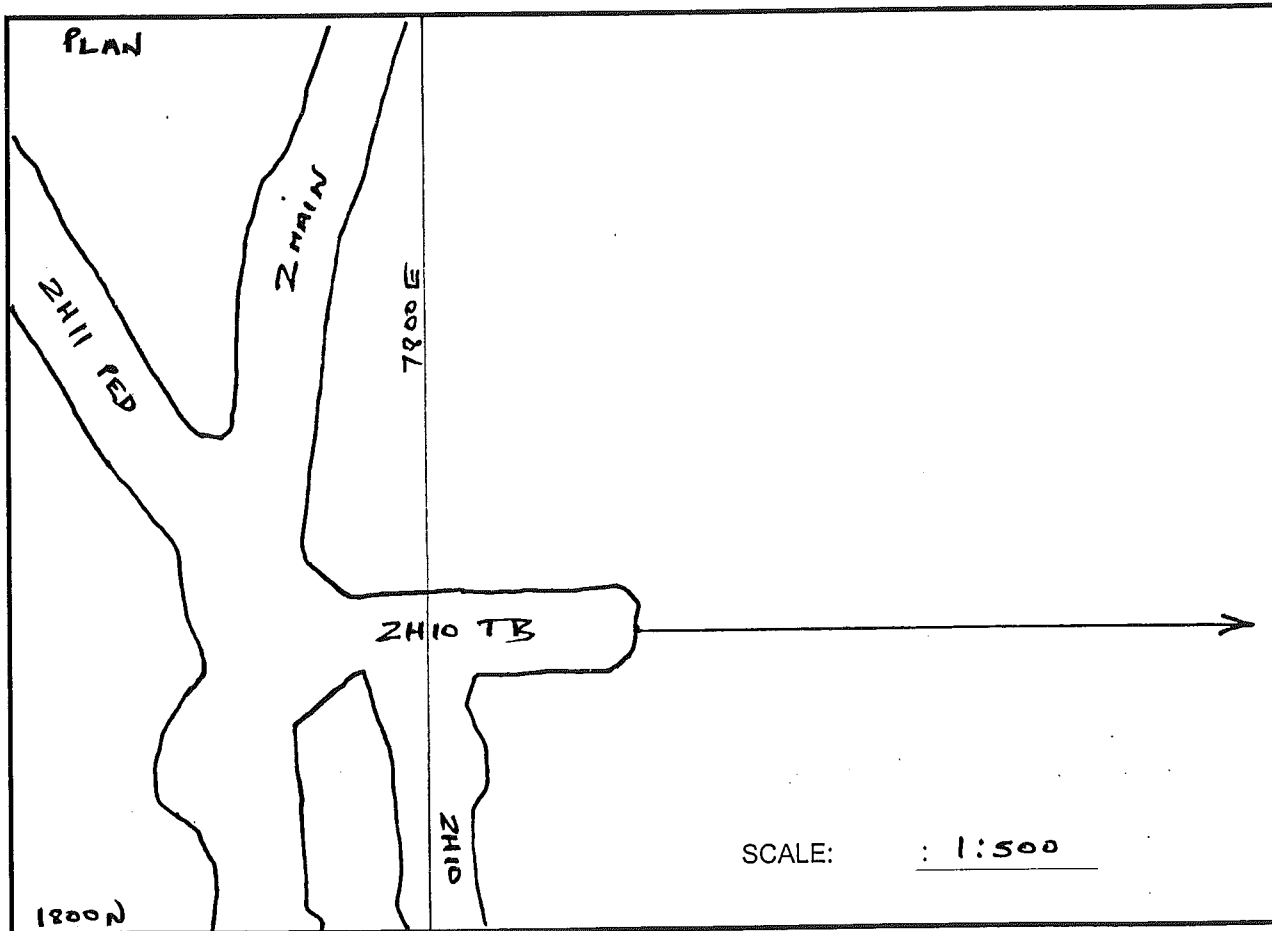
RL : 9664.7

RL : 9663.436

GEOLOGIST : SP

SURVEYOR : Jc.

LOCATION SKETCH



Comments: Survey @ 6m interval every 30m

REDUCTION OF GEODAT FIELD SURVEY DATA

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FILE : 9904156.svrpt SURVEYOR : kc
 INSTRUMENT STATION : B21131 INSTRUMENT HEIGHT : -2.906
 EASTING : 7797.791 NORTHING : 1821.254 R.L. : 9668.095

DATE OF SURVEY : 16-Apr-99
 LAYER : DH99/1

R.O. STATION : F21132 R.O. BEARING : 170 36 16

PT NO	BEARING	V.A.	SLOPE DIST	SIG HT	HORIZ DIST	EASTING	NORTHING	REDUCED LEVEL	FEAT CODE
1	170 36 11	055 24 33	5.566	0.000	4.582	7798.539	1816.733	9668.349	1
2	096 48 17	093 10 31	16.438	0.000	16.413	7814.088	1819.309	9664.278	1000
3	096 57 45	096 11 03	16.274	0.000	16.179	7813.851	1819.293	9663.436	1001

End of report

HOLE	FROM	TO	CODE	WIDTH	SAMP	AG	PB	ZN	CU	FE	SG	LAB
99/1	151.1	152.00	I23C	0.90	24370	30	2.87	10.4	1540	14.4		ISA XRF
99/1	152.0	152.9	I23D	0.90	24371	26	2.71	9.01	1650	12.6		ISA XRF
99/1	152.9	153.4	2A	0.50	24372	72	7.08	18.7	3200	8.86		ISA XRF
99/1	153.4	156.25	2B	2.85	24373	60	6.18	18.1	2200	7.80		ISA XRF
99/1	156.25	158.00	2C	1.75	24374	66	7.11	20.7	2700	6.15		ISA XRF
99/1	158.00	160.9	2D	2.90	24375	78	7.79	21.2	2200	5.90		ISA XRF
99/1	160.9	161.8	I12A	0.90	24376	50	4.94	16.1	430	6.63		ISA XRF
99/1	161.8	162.1	I12B	0.30	24377	4	0.143	0.53	530	3.13		ISA XRF
99/1	162.1	162.6	I12C	0.50	24378	4	0.34	0.36	560	4.60		ISA XRF
99/1	162.6	162.85	I12D	0.25	24379	2	0.054	0.61	280	2.14		ISA XRF