

Mc ARTHUR RIVER MINING

DIAMOND DRILL HOLE HEADER SUMMARY SHEET

HOLE I.D.	: <u>99/6</u>	LOCATION (eg.drive name)	: <u>2L/236</u>
GRID AZIMUTH	: <u>090</u>	DESIGN DEPTH (m)	: <u>235</u>
COLLAR INCLINATION	: <u>-17</u>	TOTAL DEPTH (m)	: <u>197.9</u>
<u>SURVEYED COLLAR CO-ORDINATES</u>		DATE STARTED	: <u>23/04/1999</u>
EASTING	: <u>7683.659</u>	DATE FINISHED	: <u>29/04/1999</u>
NORTHING	: <u>2199.909</u>		: <u>LONGYEAR</u>
RL	: <u>9711.959</u>	<u>CORE INTERVALS ASSAYED:</u>	
	: <u>LTK-48</u>	<u>189.40 -190.3 - I2/3 C&D</u>	
HOLE/CORE SIZE(S)	:	<u>190.3 -197.0 - 2OB</u>	
		<u>197.0 - 197.9 - I1/2 A-D</u>	
LOGGED BY	: <u>SP</u>		
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
0	87	-17	90	89	-15.5
6	87	-17	120	90	-16
30	87.5	-16.75	150	92	-15.5
60	88	-16.75	197.9	92.5	-15

ASSAY SUMMARY

O/B	TT	Zn%	Pb%	Ag g/t	Fe%
I23		10	2.6	28	15.6
#2	6.5	17.4	6.4	71	7.3
I12		3.4	1.2	20	5.9

Surveyed Collar & Geology Entered Into Micromine Database

:SP /05/99

Assays Entered Into Micromine Database

:SP /06/99

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

Mc ARTHUR RIVER MINING
DIAMOND DRILL HOLE PROPOSAL FORM

HOLE I.D. : 99/06

LOCATION (eg.drive name) : ZL/236

PROPOSED START DATE : 22/04/99

DESIGN AZIMUTH (GRID) : 090

DESIGN DEPTH : 235 m

DESIGN INCLINATION : -17°

ESTIMATE COLLAR CO-ORDINATES

SURVEYED COLLAR CO-ORDINATES

EASTING : 7683.8

EASTING 7683.659 : 7683.659

NORTHING : 2200.0

NORTHING : 2199.909

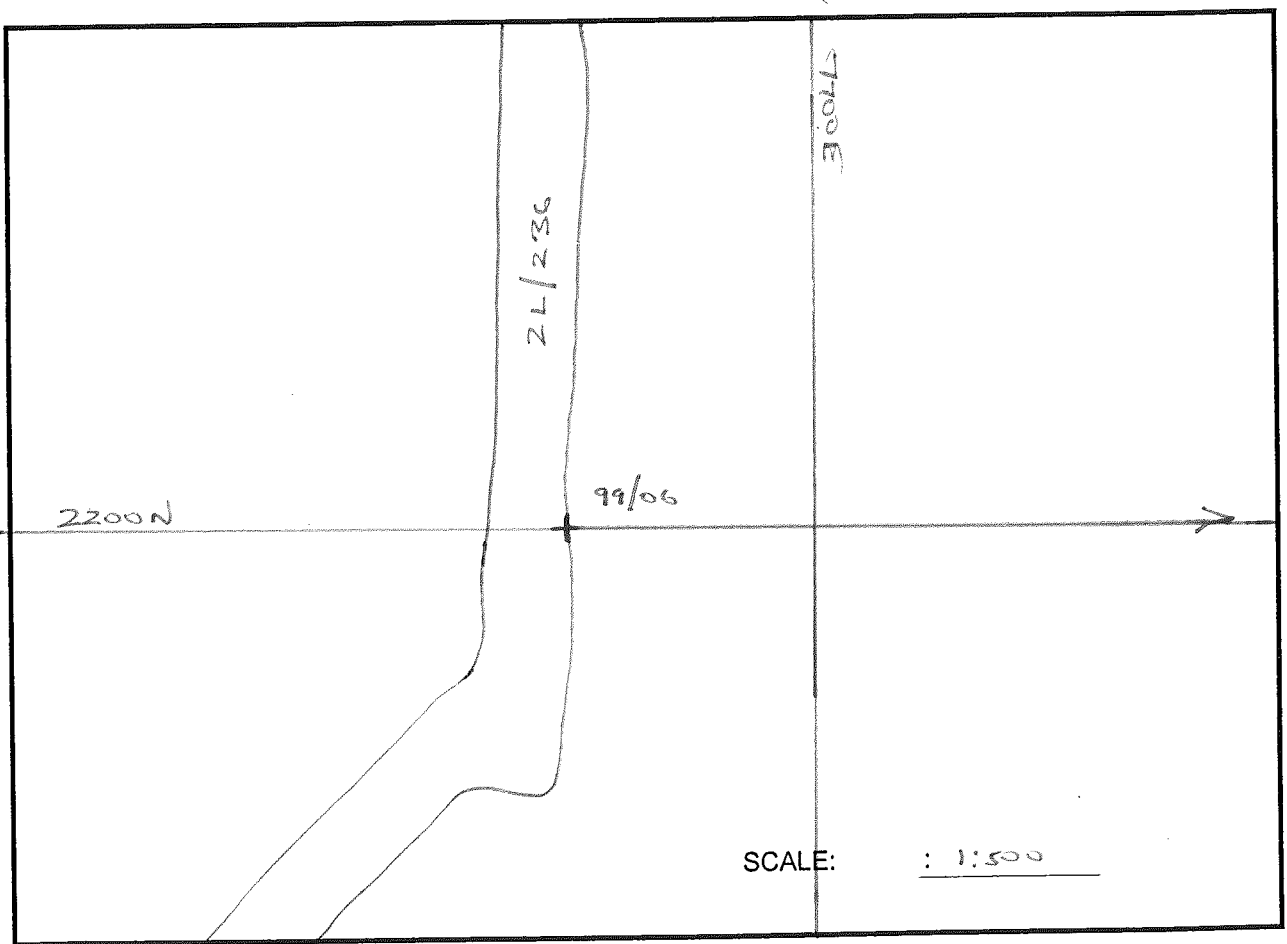
RL : 9711.9

RL : 9711.959

GEOLOGIST : SP

SURVEYOR : J MCH

LOCATION SKETCH



Comments: 6m survey
fastest path e 230 m

163.5
 1.23
 191 90
 182.5
 191.0
 4.27
 193.12
 167.77
 191.9
 3.05
 194.95

McARTHUR RIVER MINING

GEOLOGICAL LOG SHEET

6041399

TO	COL	WTH	CODE	G	LITH	LITRLOGY			ALTERATION			SOLUBIDES			FAULTING			OXI	REC	S	GEO TECHNICAL			COR	CUT	DEPTH	STRUCTURE			HOLE PAGE	99/06	16/01/1995	VERSION	COMMENTS			
						TEX	DOL	VEIN	NO	CR	CO	PY	MIN	TYPE	NAME	Q	3				4	3	7				BCA	A1	OTH						D		
7	5	3	4	1	5	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	30							
1.2																																					
12.70					TH							S	S																			3 Mc chert @ 21.4					
23.00					H						I	M																									
32.10					H						S	S																									
49.45					G-B						S	S																									
92.45					X																																
92.55					X																																
122.2					G-B																													57.9 - 58.4 100% shaly sand core (dis. it. trace ss)			
154.5					H																												Flat shaly sand				
158.23					H																												4LC TH 92.55 - 96.47 - Adj. to Fault				
159.10					H																												(base of stratigraphy by <5m)				
163.10					H																												95-114. S // E CA - Synclinal pass				
164.85					TH																												approx 116.0				
167.77					H																																
171.50					H																																
180.90					H																																
182.56					H																																
186.42					H																																
188.5					H																																
189.4					H																																
190.3					H																																
190.6					H																																
193.12					H																																
194.95					H																																
197.0					H																																
197.5					N20																																
197.9					50																																
504																																					

160.0

176.0 - 180.9 (St. 101)

183.6 - 184.2

184.6 - 186.42

186.42

188.5

190.3

190.6

193.12

194.95

197.0

197.5

197.9

504

Mc ARTHUR RIVER MINING

DIAMOND DRILL CORE SAMPLING SHEET

DATE: 30/04/99
 SAMPLER: SW
 Sample Type: 157409

HOLE No.	FROM (m)	TO (m)	INTERVAL	SAMPLE No.	LITHCODE	ASSAYS				COMMENTS
						Zn(%)	Pb(%)	Ag(g/t)	Fe(%)	
29/06	188.5	189.4	I 23C	244 20	I 23C					
	189.4	190.2	I 23D	21	I 23D					} (6.7 m \Rightarrow (Box TS) 6.5m
	190.3	190.6	2A	22	2A					
	190.6	193.15	2B	23	2D					
	193.13	194.95	2C	24	2C					
	194.95	197.0	2D	25	2D					
	197.0	197.5	I 12A	26	I 12A					
	197.5	197.9	I 12B	244 27	I 12B					

HOLE	FROM	TO	CODE	WIDTH	SAMP	AG	PB	ZN	CU	FE	SG	LAB
99/6	188.5	189.4	I23C	0.90	24420	26	1.91	8.51	1020	14.6		ISA XRF
99/6	189.4	190.3	I23D	0.90	24421	28	2.59	10.00	1480	15.6		ISA XRF
99/6	190.3	190.6	2A	0.30	24422	26	3.15	8.52	1830	10.8		ISA XRF
99/6	190.6	193.13	2B	2.53	24423	60	5.02	13.7	2100	9.9		ISA XRF
99/6	193.13	194.95	2C	1.82	24424	80	7.57	22.8	2600	5.92		ISA XRF
99/6	194.95	197.0	2D	2.05	24425	82	7.37	18.6	2300	4.95		ISA XRF
99/6	197.0	197.5	I12A	0.50	24426	20	1.38	5.34	660	7.35		ISA XRF
99/6	197.5	197.9	I12B	0.40	24427	20	0.86	0.90	550	4.14		ISA XRF