

Mc ARTHUR RIVER MINING

DIAMOND DRILL HOLE HEADER SUMMARY SHEET

HOLE I.D.	: <u>99/4</u>	LOCATION (eg.drive name)	: <u>2Main Tbay</u>
GRID AZIMUTH	: <u>090</u>	DESIGN DEPTH (m)	: <u>110</u>
COLLAR INCLINATION	: <u>+ 6</u>	TOTAL DEPTH (m)	: <u>106.9</u>
<u>SURVEYED COLLAR CO-ORDINATES</u>		DATE STARTED	: <u>15/04/1999</u>
EASTING	: <u>7822.05</u>	DATE FINISHED	: <u>17/04/1999</u>
NORTHING	: <u>2015.025</u>		: <u>LONGYEAR</u>
RL	: <u>9650.202</u>	<u>CORE INTERVALS ASSAYED:</u>	
	: <u>LTK-48</u>	96.35 -97.65 - I2/3 C&D	
HOLE/CORE SIZE(S)	:	<u>97.65 -106.30 - 2OB</u>	
		106.30 -106.90 - I1/2 A-D	
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	86	6.25	90.8	89	7
6	86	6.25			
30	86	7			
60	87	7.25			

ASSAY SUMMARY

O/B	TT	Zn%	Pb%	Ag g/t	Fe%
I23		10.9	3.9	36	15.1
#2	6.8	19.6	6.8	70	6.9
I12		1.48	0.4	7	4.7

Surveyed Collar & Geology Entered Into Micromine Database	<input type="checkbox"/> :SP /05/99
Assays Entered Into Micromine Database	<input type="checkbox"/> :SP /09/99
Surveyed Collar & Geology Transferred Into Vulcan Database	<input type="checkbox"/> :SP /09/99
Assays Transferred Into Vulcan Database	<input type="checkbox"/> :SP /09/99

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

Mc ARTHUR RIVER MINING
DIAMOND DRILL HOLE PROPOSAL FORM

HOLE I.D. : 99/4, 99/03

LOCATION (eg. drive name) : Z MAIN T. BAY

PROPOSED START DATE : 15/04/99

DESIGN AZIMUTH (GRID) : 090 (085 MAG.)

DESIGN DEPTH : 110 m

DESIGN INCLINATION : + 6

ESTIMATE COLLAR CO-ORDINATES

SURVEYED COLLAR CO-ORDINATES

EASTING : 7821.8

NUMBER ① 99/04

EASTING : 7822.050

NORTHING : 2014.2

NORTHING : 2015.025

RL : 9650.9

RL : 9650.202

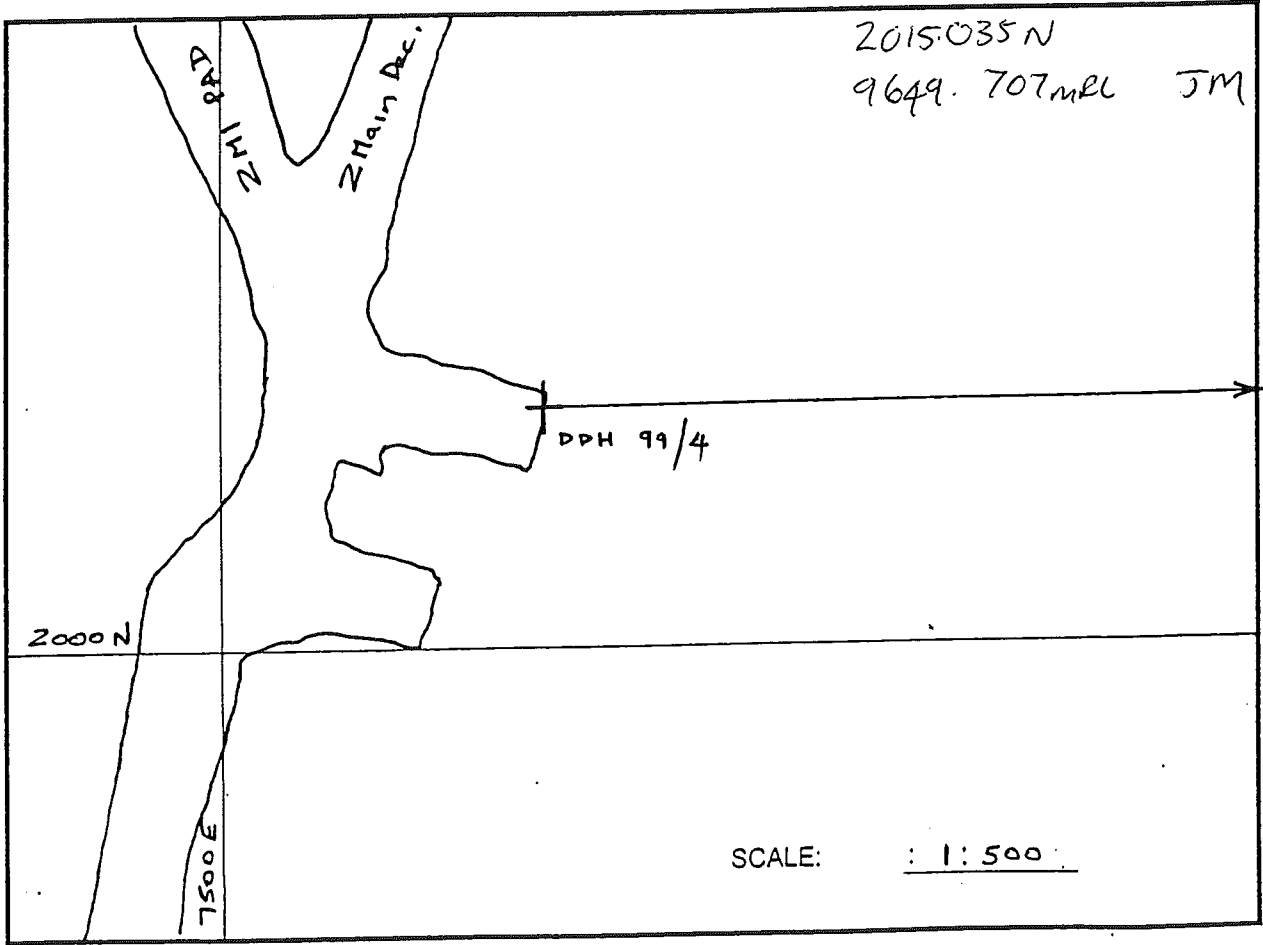
GEOLOGIST : SP

SURVEYOR : JM

NUMBER ② 99/03

7821.925 E

LOCATION SKETCH



SCALE: : 1:500

Comments: 1st SURVEY AT 6m, THEN EVERY 30m
TARGET DEPTH AT 100m

McARTHUR RIVER MINING

GEOLOGICAL LOG SHEET

GEO. DATE: 30/04/99
 VERSION: 16/01/1995

HOLE: 99/4
 PAGE: 1 of 1

TO	COL	WITH	CODE	LITHOLOGY			ALTERATION			SULPHIDES			FAULTING			GEOLOGICAL			STRUCTURE			COMMENTS				
				G	L	TEX	DOL	VEIN	NO	CR	CO	PY	MIN	TYPE	NAME	Q	OXJ	REC	CORE	CUT	DEPTH		BCA	A1	OTH	D
7	5	3	4	1	S	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	30	
1-2	07	FL	1223B	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Messure, grey necked bng
6-4	07	"	"	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	folded Nodules 2/1 beds
7-9	07	"	122A	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
11-8	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
14-8	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
20-2	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
22-7	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
32-5	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
40-1	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
40-12	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
40-9	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
42-53	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
44-55	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
44-8	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
44-85	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
46-0	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
47-7	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
49-8	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
50-1	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
50-11	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
50-4	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
52-1	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
58-55	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
59-5	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
64-5	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
66-25	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
66-45	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
66-55	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
67-7	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
67-73	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
68-25	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
69-0	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
69-6	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
69-61	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
72-95	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
74-4	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
79-0	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
80-1	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
82-15	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
83-7	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
86-5	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
89-0	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
89-2	07	"	"	TH	M	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	

FILE dir, 070, supply Net diffing (20 to 08)

Gravel bed reworked above 50 feet

Some graded bed is reported below

Slightly et mineral

(copy used)

Highly carbonated intensely red for shale

File ready N diffing 50m to 110m

Yes To F.M.S.G

McARTHUR RIVER MINING GEOLOGICAL LOG SHEET

TO	COL	WITH	L CODE	G	LITH	TEX	DOL	ALTERATIONS			SULPHIDES			MIN	TYPE	FAULTING	Q	OAJ	GEOLOGICAL			DEPTH	BCA	STRUCTURE			VERSION		
								VEIN	NO	CR	CO	PY	REC						CORE	CUT	A1			OTH	D	A2		DATE	HOLE PAGE
7	5	3	4	1	5	3	3	3	3	3	2	3	3	3			3	3	3	3	3	7	3	3	3	16/01/1985			
89.8			I22B		H	L	40				S																30		
90.75			"		TH																							Dol. v. calc. = fossils	
90.8			"		H	L					S																	Highly broken GM	
92.5			"		TH	L					S																	Small concretions in highly fr. shale	
94.0			"		H	L					S																	Very finely (digging), breaking 60-80%	
95.2			I22A		H	T					S																		2 of subrounded form 2C → 2W
			I22C		H						S																		
			I22A		H						S																		
			2A		H						S																		
			2D		H						S																		
			2C		H						S																		
			2D		H						S																		
			I22A		H	V					S																		
			I22B		S.M.	C					S																		
106.9			"																										I22B Filled

HOLE	FROM	TO	CODE	WIDTH	SAMP	AG	PB	ZN	CU	FE	SG	LAB
99/4	95.25	96.35	I23C	1.10	24403	30	2.86	8.47	1470	10.7		ISA XRF
99/4	96.35	97.65	I23D	1.30	24404	36	3.92	10.9	1980	15.1		ISA XRF
99/4	97.65	98.20	2A	0.55	24405	42	5.08	15.8	2500	8.57		ISA XRF
99/4	98.20	102.4	2B	4.20	24406	68	6.59	19.6	2600	7.77		ISA XRF
99/4	102.4	104.1	2C	1.70	24407	68	6.63	19.6	2400	5.99		ISA XRF
99/4	104.1	106.3	2D	2.20	24408	82	7.75	20.6	2300	5.46		ISA XRF
99/4	106.3	106.5	I12A	0.20	24409	10	0.70	3.58	340	5.35		ISA XRF
99/4	106.5	106.9	I12B	0.40	24410	6	0.23	0.43	650	4.43		ISA XRF