

# Mc ARTHUR RIVER MINING

## DIAMOND DRILL HOLE HEADER SUMMARY SHEET

HOLE I.D.	:97/7	LOCATION (eg.drive name)	:2H8
GRID AZIMUTH	:105	DESIGN DEPTH (m)	:200
COLLAR INCLINATION	:-40	TOTAL DEPTH (m)	:236.6
<u>SURVEYED COLLAR CO-ORDINATES</u>		DATE STARTED	:11/12/97
EASTING	:7749.609	DATE FINISHED	: 16/12/97
NORTHING	:16267.276	DRILLED BY	:LONGYEAR
RL	:9667.989	<u>CORE INTERVALS ASSAYED:</u>	
HOLE/CORE SIZE(S)	:PQ 0.0-3.0 :HQ 3.0-EOH	203.8-206.7 (#2)	
LOGGED BY	: SGP/TJA		
D/HOLE SURVEY METHOD	:EASTMAN SS	LOCAL MAG. DEV.	: + 5
		(add to downhole survey azim. reading)	

**RAW DOWNHOLE SURVEY DATA**

Depth (m)	Azimuth(Mag)	Dip	Depth (m)	Azimuth(Mag)	Dip
10	105.5	-40	120	106	-41
30	106	-41	150	108	-40
60	107.5	-41	180	106.5	-40.5
90	106.5	-41	210	108	-39

**ASSAY SUMMARY** *Bolding Orientation* *Vein/F16 orientation*  
 221.6 m *201.2 : 65° → 346 } Av ✓*  
 5° = 35° → 110 ✓ *200.5 : 53° → 348 }*

O/B	TT	Zn%	Pb%	Ag g/t	Fe%
2D	0.87	21.2	7.9	90	5.2

Surveyed Collar & Geology Entered Into Micromine Database	<input type="checkbox"/>	:SP 03/98
Assays Entered Into Micromine Database	<input type="checkbox"/>	:SP 03/98
Surveyed Collar & Geology Transferred Into Vulcan Database	<input type="checkbox"/>	:
Assays Transferred Into Vulcan Database	<input type="checkbox"/>	:

**Comments:** HOLE INTERSECTED FAULTED SECTION OF #2OB (2D ONLY)  
ATTEMPTS TO WEDGE OFF ABOVE FAULT WERE UNSUCCESSFUL DUE TO  
SHALLOW DIP OF PARENT HOLE

McARTHUR RIVER MINING GEOLGICAL LOG SHEET

GEO DATE

TJA 12/12/92

HOLE PAGE 977 1 of 1

VERSION 15/01/95

TO	COL	WTH	CODE	G	LITHOLOGY			ALTERATION			SULPHIDES			FAULTING			GEOCHEMICAL			STRUCTURE			COMMENTS					
					LITH	TEX	DOL	VEIN	NO	CR	CO	PY	MIN	TYP	NAME	Q	OXJ	REC	CORE	CUT	DEPTH	BCA		A1	OTH	D	A2	
7	3	3	4	1	5	3	3	4	3	3	3	2	3				1	3	5	4	3	7	3	3	3			
4	0	Q	FR	FR	SH	L	-	M	-	-	-	-	-				L	-	100	HQ	1						30	
33	0	W	FR	FR	X1000	M	-	-	-	-	-	-	-				M	-	1019	HQ	1						Elw H/C below #1 Min	
85	6	CR	FR	WFS	SH	L	-	M	-	-	-	-	-				L	-	1022	HQ	1						Tectonic Breccia Base H/C	
		GR	FR	WFS	SL	B	-	M	-	-	-	-	-				B	-	1023	HQ	1						Upper WFS Unit Green Shale	
																												Lower WFS Unit Red/Green SS/H



# DIAMOND DRILLING

8N 6/12/97 @  
15:00

REDUCTION OF GEODAT FIELD SURVEY DATA

6-Dec-97 18:31:49 Page 1

FILE : 0612972.srvrpt SURVEYOR : acc  
 INSTRUMENT STATION : B21237 INSTRUMENT HEIGHT : -3.262  
 EASTING : 7743.079 NORTHING : 1641.461 R.L. : 9674.436

DATE OF SURVEY : 6-Dec-97  
 LAYER : DIAMONDDR

R.O. STATION : F21208 R.O. BEARING : 356 46 08

PT NO	BEARING	V.A.	SLOPE DIST	SIG HT	HORIZ DIST	EASTING	NORTHING	REDUCED LEVEL	FEAT CODE
1	356 45 50	080 28 14	37.710	0.000	37.190	7740.980	1678.591	9677.417	1
8	160 05 24	093 20 09	15.287	0.000	15.261	7748.276	1627.112	9670.284	3
9	159 19 07	091 40 34	15.824	0.000	15.817	7748.665	1626.663	9670.711	3 97/3
10	158 26 24	089 55 18	16.541	0.000	16.541	7749.157	1626.077	9671.197	3
11	162 10 03	094 07 54	13.937	0.000	13.901	7747.336	1628.228	9670.170	5
12	161 33 56	091 34 13	14.244	0.000	14.239	7747.582	1627.953	9670.784	5 97/2
13	160 37 39	087 37 59	14.787	0.000	14.774	7747.980	1627.523	9671.785	5 ←
14	158 24 37	098 12 20	16.636	0.000	16.466	7749.138	1626.151	9668.800	6 97/8 9 ✓
15	159 00 47	100 26 03	16.279	0.000	16.010	7748.813	1626.513	9668.226	6 97/4 1 ✓
	162 44 35	089 01 39	16.776	3.107	16.774	7748.055	1625.443	9668.352	6 97/5 ✓

\*\*End of report\*\*

FEAT CODE

1 = B/S CHECK.

5 = TOTAL LENGTH BETWEEN POINT = 1.876. 97/2

BEARING = 137° 35' 34"

DIP = + 59° 24' 30"

3 = TOTAL LENGTH = 1.637m.

BEARING 139° 34' 39"

DIP = 63° 53' 30"

6 = COLLAR POSITIONS OF LOWER DIA. HOLES.

97/1 - 32  
 97/2 + 60  
 97/3 + 30  
 97/4 -  
 97/5 - 24

						€	¤	fl.	
1	171 48 59	109 37 49	3.531	0.000	3.326	7748.944	1626.342	9668.018	7 97/1
2	180 31 08	034 52 59 +60	4.565	0.000	2.611	7748.447	1627.023	9672.949	7 97/2
22	193 58 19	040 22 05	3.482	0.000	2.255	7747.926	1627.445	9671.857	7
3	166 16 26	059 41 15 +30	4.640	0.000	4.006	7749.421	1625.743	9671.546	7 97/3
33	170 04 58	061 27 30	3.917	0.000	3.441	7749.064	1626.244	9671.076	7
4	168 06 03	098 05 55 -5	3.675	0.000	3.638	7749.221	1626.074	9668.686	7 97/4
5	185 10 33	103 14 21	3.856	0.000	3.754	7748.132	1625.896	9668.321	7 97/5
6	167 20 45	116 54 56	3.436	0.000	3.064	7749.142	1626.645	9667.649	7 97/6
7	154 14 04	114 53 42	2.887	0.000	2.619	7749.609	1627.276	9667.989	7 97/7

\*\*End of report\*\*

WJ

McARTHUR RIVER MINING

GEOLOGICAL LOG SHEET

GEO MSF  
DATE 2/2/98

HOLE 9777  
PAGE 1 of 1

VERSION  
15/01/95

TO	COL	WTH	CODE	G	LITHOLOGY			ALTERATION			SULPHIDES			FAULTING			GEOTECHNICAL			STRUCTURE			COMMENTS			
					LITH	TEX	DOL	VEIN	NO	CR	CO	PY	MIN	TYP	NAME	Q	OXJ	REC	CORE	CUT	DEPTH	BCA		A1	OTH	D
7	3	3	4	1	5	3	3	4	3	3	3	2	2	3				100	ND	~	7	3	3	3	30	Dolomite Stone
105	90	LAY	FR	7000	SL	R	I										11	11			40					
106	80	LAY	00	7000	SL	L	W										11	11			50					
115	20	LAY	01	7000	SL	B	I										11	10			30					



JN.  
22/1/98

SAMPLE NOS:

No.	Hole	Code	Depth.
23985	97/7	2D	203.8 - 206.7
23986	98/2	2A	178.5 - 179.0
23987	"	2B	179.0 - 184.15
23988	"	2C	184.15 - 187.95
23989	"	2D	187.95 - 191.50



27/1/98

wtm ICP

SAMPLE	Pb	Zn	Fe	Si	Cu	S		
GEO 23985	8.0	22.0	5.3	14.4	0.3	17.3	97/7	2D
23986	8.4	6.9	7.4	21.2	0.0	10.0	98/2	2A
23987	3.4	12.4	7.9	18.4	0.1	13.6	"	2B
23988	6.6	19.6	5.0	17.3	0.2	14.7	"	2C
23989	6.2	17.6	5.0	16.7	0.2	14.3	"	2D

} 4.4m → 15.7

MRM CORES #23985 - 23989#

CREATED AT 1:47 PM TUE., 3 FEB., 1998  
PRINTED AT 2:01 PM TUE., 3 FEB., 1998  
CHEM LAB\XRF\REPORT.XRF MISC  
ALL RESULTS ARE REPORTED IN PERCENT

*ATTN - STEVE PEVLEY*

M.R.M. Mine Sample

MR 023985 <SR1>

PB.....	7.87
ZN.....	21.2
CU.....	0.21
FE.....	5.20
CAO.....	1.26
S.....	10.6
SiO2...	28.3
AL2O3..	7.43
MGO.....	1.66
AS.....	0.134
CO.....	0.003
SB.....	0.056

*Ag = 90*

*97/7*

M.R.M. Mine Sample

MR 023986 <SR1>

PB.....	0.94
ZN.....	6.59
CU.....	0.020
FE.....	7.12
CAO.....	3.96
S.....	8.99
SiO2...	42.7
AL2O3..	9.36
MGO.....	3.27
AS.....	0.078
CO.....	0.001
SB.....	0.052

*Ag = 16*

*98/2*

M.R.M. Mine Sample

MR 023987 <SR1>

PB.....	3.48
ZN.....	12.1
CU.....	0.108
FE.....	7.57
CAO.....	2.17
S.....	10.1
SiO2...	37.3
AL2O3..	8.97
MGO.....	2.34
AS.....	0.141
CO.....	0.001
SB.....	0.051

*Ag = 40*

M.R.M. Mine Sample

MR 023988 <SR1>

PB.....	6.16
ZN.....	17.9
CU.....	0.167
FE.....	5.08
CAO.....	1.69
S.....	8.11
SiO2...	33.8
AL2O3..	7.74
MGO.....	1.88
AS.....	0.137
CO.....	0.003
SB.....	0.056

*Ag = 64*