Mc ARTHUR RIVER MINING

DIAMOND DRILL HOLE HEADER SUMMARY SHEET

HOLE I.D.	:98/9	LOCATION (eg.drive name)	:4B1/1
GRID AZIMUTH	:270	DESIGN DEPTH (m)	:130
COLLAR INCLINATION	:20	TOTAL DEPTH (m)	:128.5
SURVEYED COLLAR CO-ORDINATES		DATE STARTED	: 28/02/98
EASTING	:7108.415	DATE FINISHED	: 06/03/98
NORTHING	:1803.033	DRILLED BY	:LONGYEAR
RL	:9947.961	CORE INTERVALS ASSAYED:	
HOLE/CORE SIZE(S)	:LTK-48 : :	N/A	
LOGGED BY	:SP		
D/HOLE SURVEY METHOD	:EASTMAN SS	LOCAL MAG. DEV. (add to downhole survey azim. reading)	: + 5

RAW DOWNHOLE SURVEY DATA

Depth (m)	Azimuth(Mag)	Dip	Depth (m)	Azimuth(Mag)	Dip
10	267	20	128.5	270	20
30	269	20			
60	270	20			
90	270	20			

ASSAY SUMMARY

O/B	TT	Zn%	Pb%	Ag g/t	Fe%

Surveyed Collar & Geology Entered Into Micromine Database ☐ :NS 06/04/98

Assays Entered Into Micromine Database ☐ :

Surveyed Collar & Geology Transferred Into Vulcan Database ☐ :

Assays Transferred Into Vulcan Database ☐ :

Comments: TARGETED TO INTERSECT #2OB IN THE HINGE ZONE BUT INTERSECTED LARGE (>10m) FAULT, ENDING IN WFS.

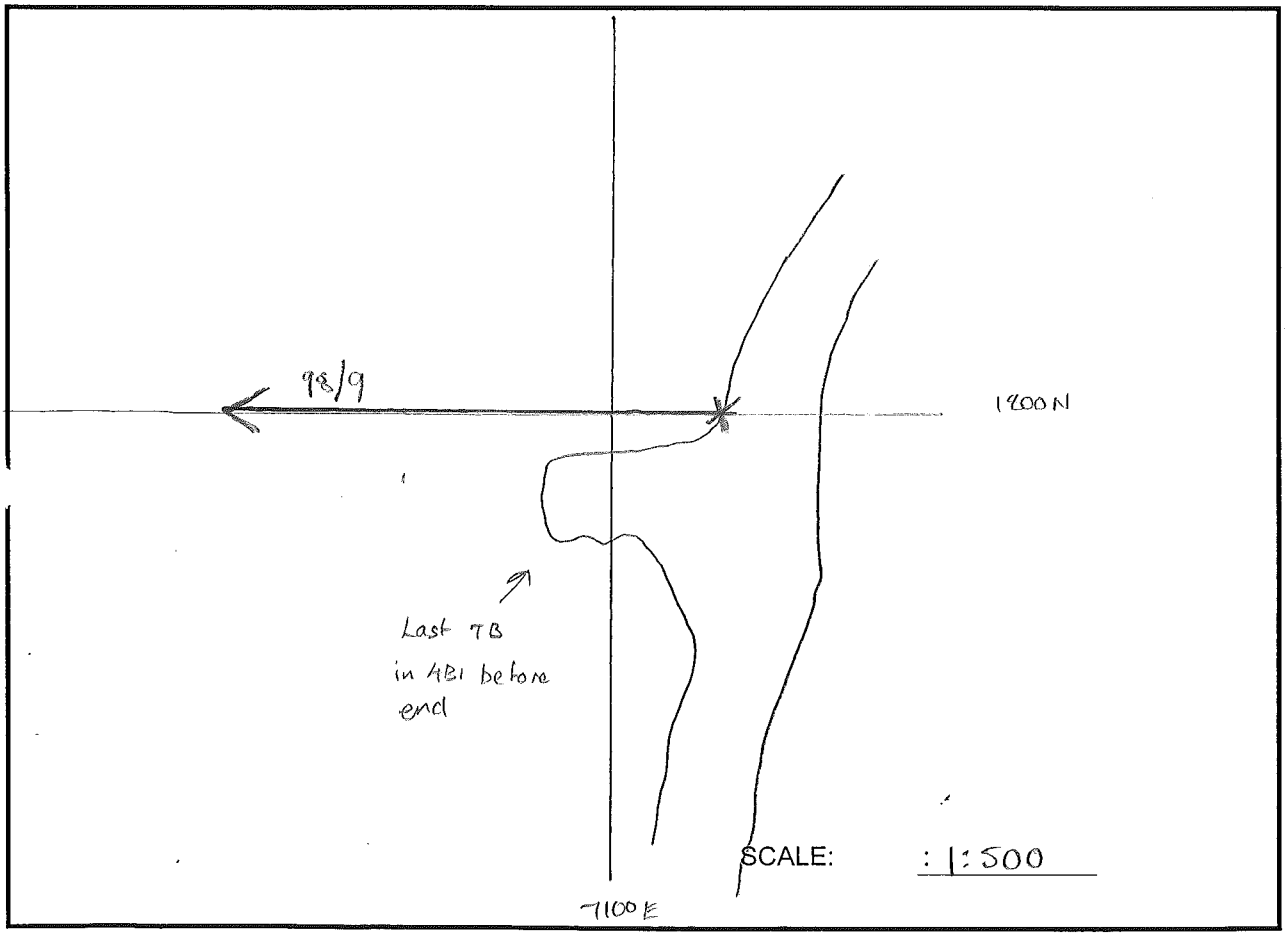
Mc ARTHUR RIVER MINING

DIAMOND DRILL HOLE PROPOSAL FORM

HOLE I.D.	: 98/9	LOCATION (eg.drive name)	: 4B1 PAD
PROPOSED START DATE	: 26/2/98	DESIGN AZIMUTH (GRID)	: 270° - 265mag
DESIGN DEPTH	: 130 m	DESIGN INCLINATION	: +20°

ESTIMATE COLLAR CO-ORDINATES		SURVEYED COLLAR CO-ORDINATES	
EASTING	: 7107.5	EASTING	: 7108.415
NORTHING	: 1800	NORTHING	: 1803.033
RL	: 9948	RL	: 9947.961
GEOLOGIST	: MF	SURVEYOR	: Jason

LOCATION SKETCH



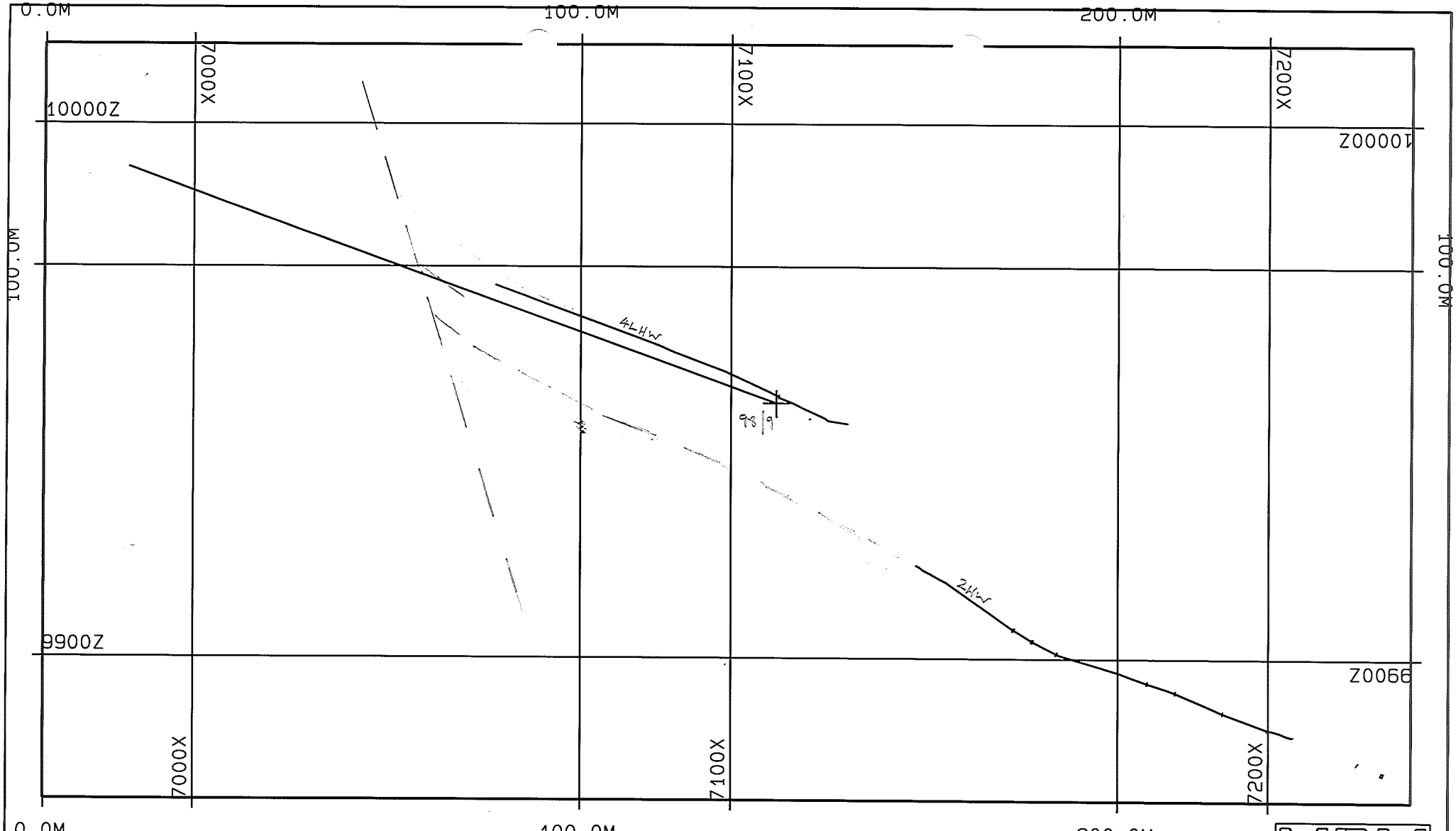
Comments:

7/02/98

McARTHUR RIVER MINING — GEOLOGICAL LOG SHEET

GEO	SP	HOLE	98/9	VERSION
DATE	2/04/98	PAGE	1 of 1	16/01/95

TO		COL	WTH	CODE	G	LITHOLOGY LITH	TEX	DOL	ALTERATION VEIN	NO	CR	SULPHIDES CO	PY	MIN	FAULTING TYPE	NAME	RQD	OXJ	GEOTECHNICAL REC	CORE	CUT	STRUCTURE DEPTH	BCA	A1	OTH	D	A2	COMMENTS
7		5	3	4	1	5	3	3	4	3	3	3	2	3	3	3	3	3	5	4	3	7	3	3	3	3	3	30
21	6	DGY	FR	3U		H	L			VW			M	S			>95						<5					Following stratigraphy within Zu
30	3	LGY	"	3M		SL	M										T											
34	4	DGY	"	3M		H/SL	L						S	S									8					Interbedded [illegible] shale [illegible] ↑ upward facing
35	1	LGY	FR	3M		SL	M																					Sub parallel to stratigraphy
39	3	DGY	"	3M		H	L						S	S														
40	5	LGY	"	"		SL	M																					↑ ✓
43	2	DGY	"	"		H	L						I	S									5					2cm wide carbonate chert [illegible] —
43	6	LGY		3M		CH																						faulted on upper contact
48	7	DGY		3M		H	L						I	S									8					
49	1	LGY		3L		SG	G																					
55	6	DGY		3L		H	L						S	S									<5					
55	62	GY		3L		SG	G																					Thin (2cm) grit - upward facing ↑
57	1	DGY		3L		H	L						S	S														
57	2	LGR		3L		CH																						1cm pale buff grey carbonate chert —
57	[illegible]			3L		FA																	10					small? fault on lower contact
57	5	DGY		3L		H	L						S	S														
58	2	GY		3L		SG											↓						10					↓ Downward facing grit bed
60	5	[illegible]		3L		TH	L										60											Speckled lgy buff - broken clayey on contact
64	5	[illegible]		3L		H	L						M	M			>95						10					
64	4	LGY		3L		SG											T											↓ Downward facing grit
65	6	[illegible]		3L		H	L						M	M														
65	9	LGY		3L		SG											↓											↑ Upward facing grit
67	4	DGY		3L		H	L										70						15					[illegible]
70	2	LGY		I23		SH	L			I							[illegible]						20					Major fault zone - intensely brecc I23 +
70	7	[illegible]				FA	XT								FLT		>95						5					WFS lithologies
82	4	GN		WFS		H	L			S							↓						5					
83	.5	"		"		TP											0						8					Clayey, [illegible] green buff
88	7	"		"		H	L			S							>95											
90	1	"		"		TH	P																					Speckled buff
93	8	"		"		H	L			S													≤5					
95	.5	"		WFS		TP																						Sub // to [illegible]
117	6	"		"		H	L			S							35						5					[illegible] low RQD [illegible] broken
117	9	"		WFS		FA	XT		M						FLT								<5					Variable [illegible] brecciated fault zone
128	[illegible]	LGN		"		TN	M										40											Layered speckled buff
128	5	LGN				H	L			W							[illegible]						<5					



DDH 98/9

INTERPRETIVE GEOLOGY

DRAWING NO.	
Drawn :	sgp
Reviewed :	
Date :	2-Apr-98
Scale :	1: 1000

MRM
McARTHUR RIVER
MINING

98/9 Collared in - 3 Upper