

FILE NOTE:

3rd May, 1988

DIAMOND DRILL PROPOSAL MAC 17, MAC 18

D ZONE/HELLYER TREND

Two diamond drill holes of 450m depth are proposed to test, below effective UTEM depth, a 900m zone of alteration between D Zone and Hellyer not previously drill tested. This alteration outcrops and forms the northern part of the D Zone trend and probably extends northerly beneath basalt cover to connect with the Hellyer stringer zone. The alteration constitutes a linear trend from Que River to Hellyer and is interpreted as a manifestation of the structure which vented hydrothermal solutions onto the sea floor and formed the Que River and Hellyer massive sulphide deposits.

The zone is characterised by sericite, silica, pyrite alteration with local chloritic zones and as such represents footwall style alteration. This does not however preclude the possibility that massive sulphides may occur within this system. There may have been several phases of mineralisation which were buried by accretionary volcanism and overprinted by subsequent hydrothermal activity. Evidence for this is apparent at Que River.

The S lens mineralisation has demonstrable primary colloform banding textures parallel to stratigraphy indicating that the sulphide lens is strataform. Stringer vein textures which transgress the massive sulphide lens and continue into footwall type alteration in the lens hangingwall are also apparent. It is thus evident at Que River that the S lens mineralisation was buried by volcanism then overprinted by another hydrothermal system which formed PQ lens.

The area was surveyed with UTEM prior to the stringing of the 220 Kv transmission line. The results of that survey indicate that it is unlikely a Que River sized body exists within 200m of the surface. Testing of the target zone will be below this effective UTEM limit.

The untested zone is defined by the northernmost D Zone drilling (DA3 on 9300N section) and the southernmost Hellyer drilling (HL1 and HL8 on 10200N section). The holes are planned equidistant between 9300N and 10200N to maximise DHEM coverage and will test at around 300m below surface to account for UTEM penetration and the DHEM search radius.

The collar details and targets are given below :

DDH MAC 17

Collar Location	:	9900N.	5416E.
Azimuth	:	090°	grid
Dip	:	-60°	
Length	:	450m	
Target	:	Extrapolated position of the Jack Fault at R.L. 370.	

3rd May, 1988

2.

DDH MAC 18

Collar Location : 9600N. 5315E.
Azimuth : 090° grid
Dip : -62°
Length : 450m

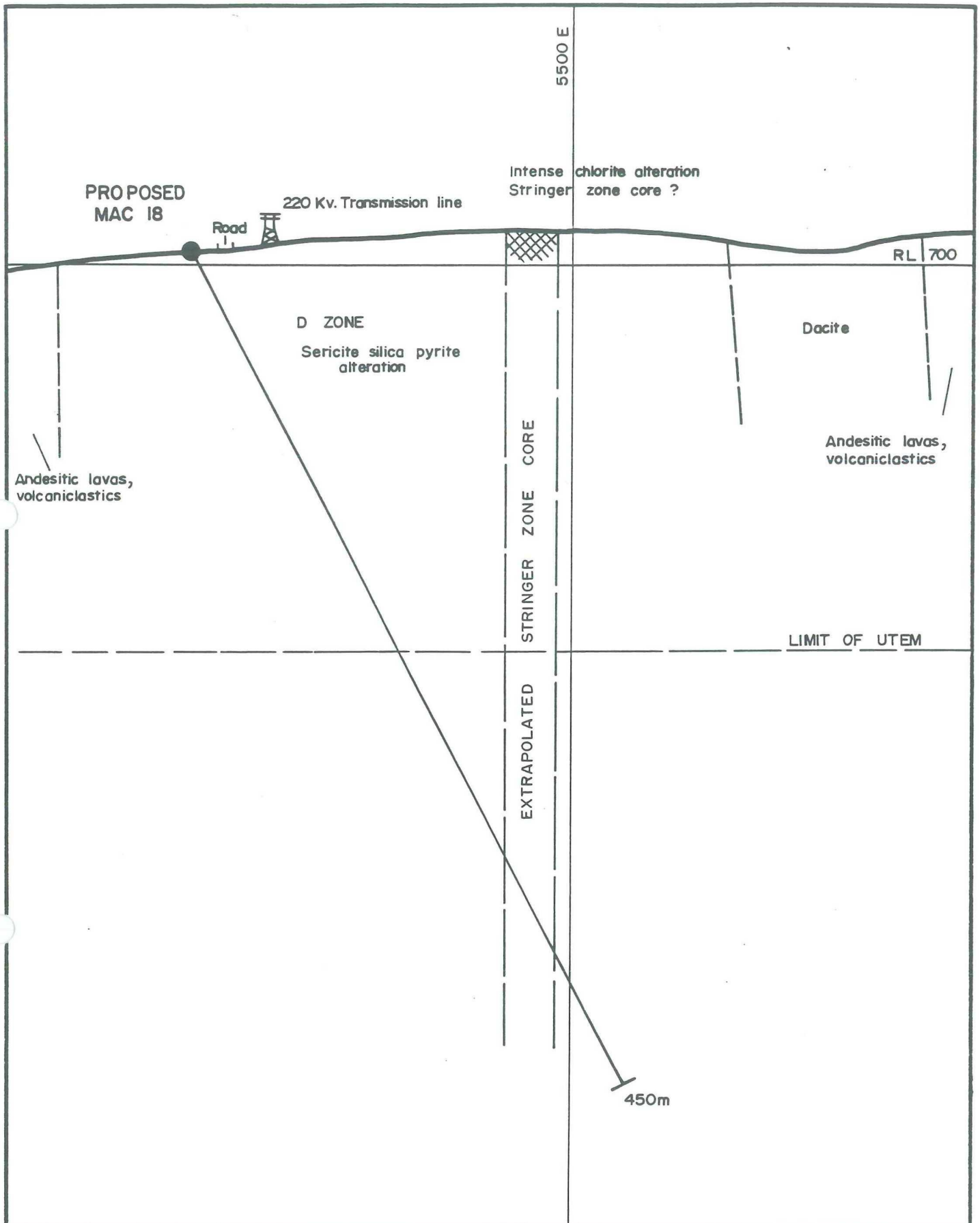
Target : 300m below outcropping intense chlorite
alteration interpreted to be the stringer zone
core.



D. B. WALLACE.

Copies: ETE, RGP, DJJ/AMcN, LWD

Attachments	Plate MAC 188	Proposed DDH MAC 18
	Plate MAC 189	Proposed DDH MAC 17
	Plate MAC 190	Que Hellyer Longitudinal Projection
	Plate MAC 191	Surface Plan. D Zone/Hellyer
		Proposed Drilling.



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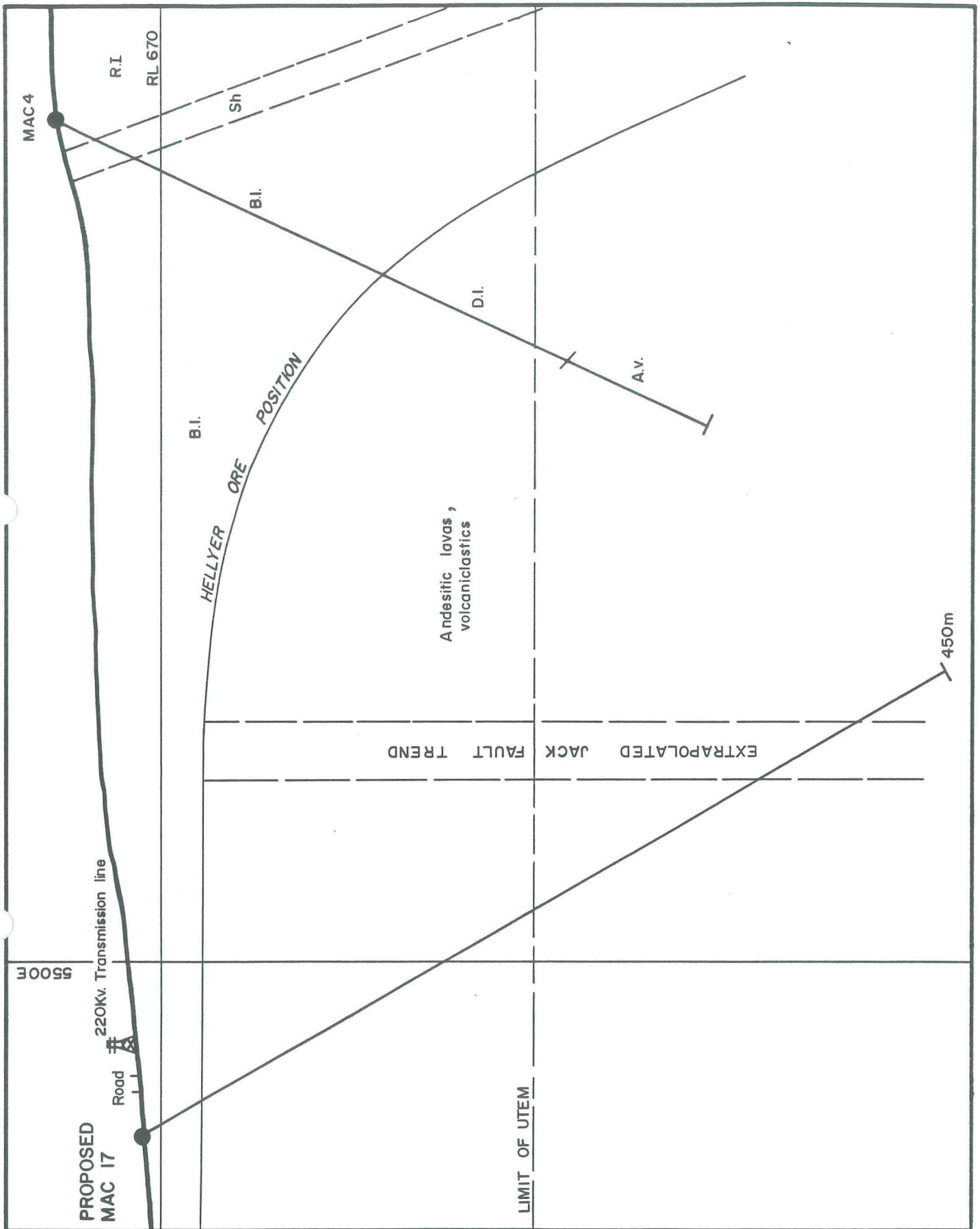
REVISIONS			
init.	Date	init.	Date

NORTH WEST TASMANIA
MACKINTOSH E.L 106/87 - D ZONE
PROGNOSTIC SECTION 9600N
PROPOSED DDH MAC 18

Compiled :	DBW
Drawn :	DBW
Traced :	RJE
Checked :	DBW
Plate No. :	MAC 188

Location Code :	Scale : 1 : 2500	Date : May , 1988	
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NORTH WEST TASMANIA
MACKINTOSH E.L.106/87 - D ZONE
PROGNOSTIC SECTION 9900N
PROPOSED DDH MAC 17

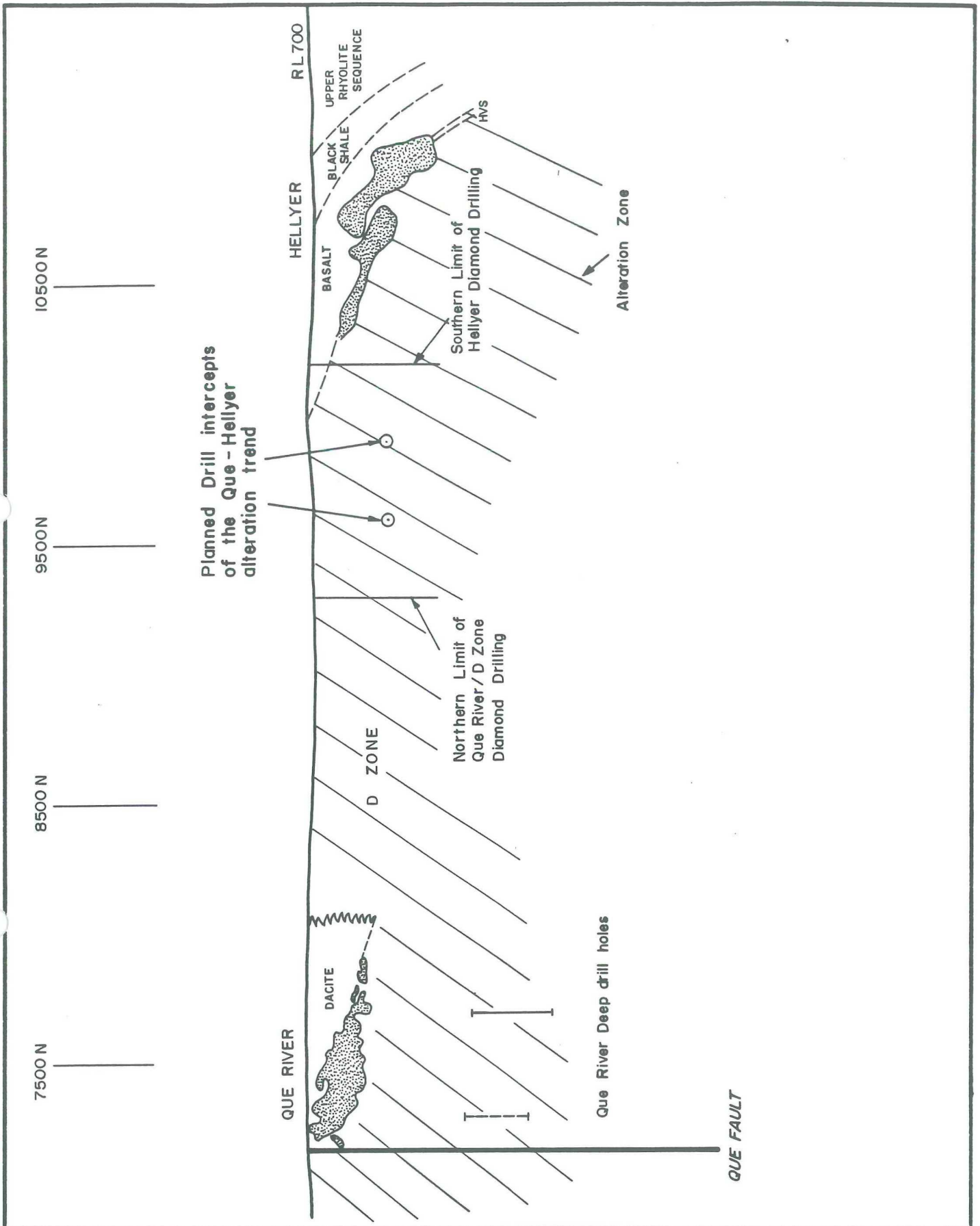
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Traced :	RJE
Checked :	DBW

Location Code :

Scale : 1 : 2500

Date : May, 1988

Plate No. : MAC 189



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NORTH WEST TASMANIA
MACKINTOSH E.L.106/87
QUE - HELLYER
LONGITUDINAL PROJECTION

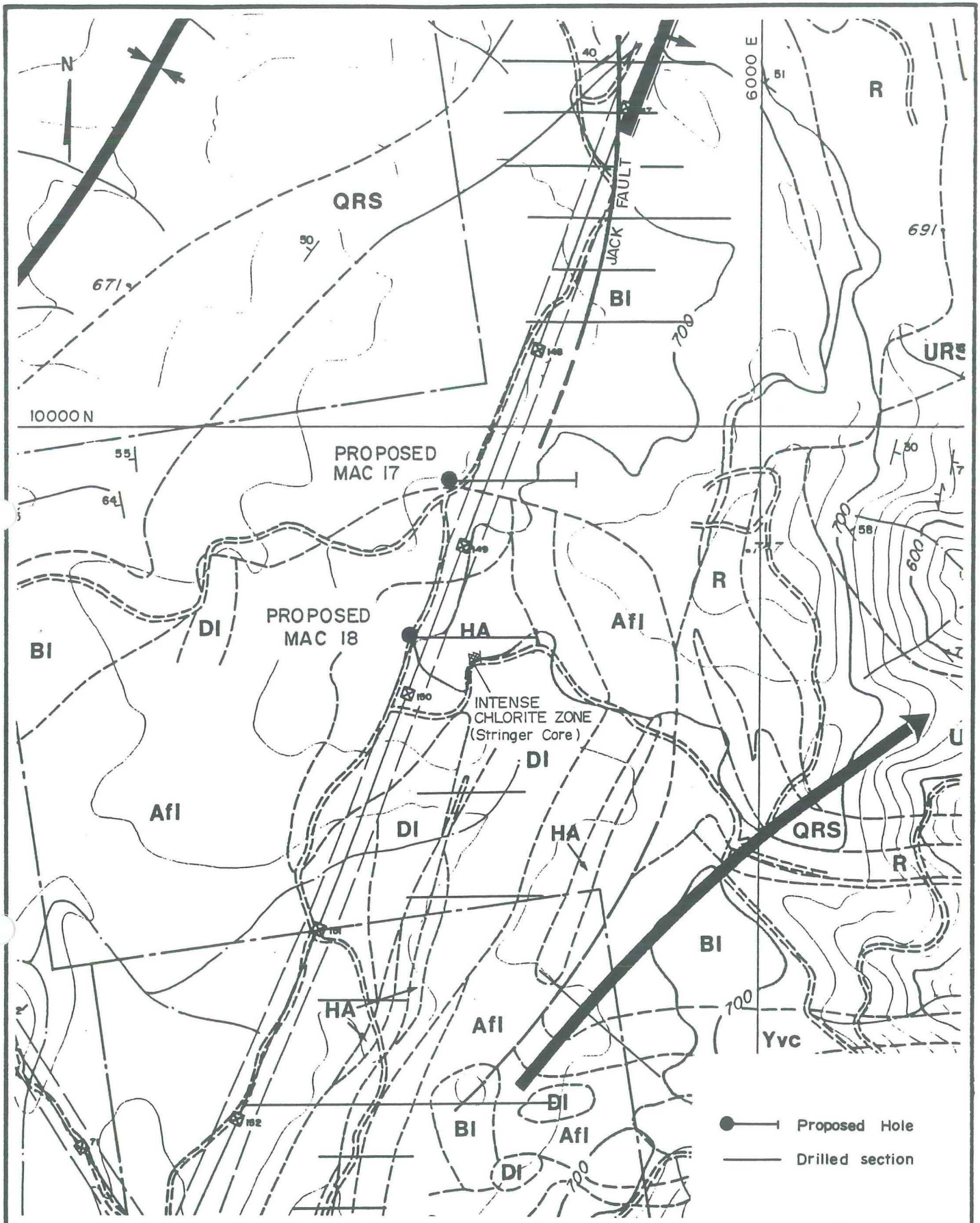
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Checked :	DBW
Plate No. :	MAC 190

REVISIONS			
Init.	Date	Init.	Date

Location Code :

Scale : 1 : 20,000

Date : May , 1988



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init.	Date	Init.	Date

NORTH WEST TASMANIA
MACKINTOSH E.L.106/87
D ZONE - HELLYER
SURFACE PLAN - PROPOSED DRILLING

Compiled : DBW
Drawn : DBW
Traced : RJE
Checked : DBW
Plate No. : MAC 191

Location Code :

Scale : 1 : 10, 000

Date : May, 1988