

1988 DRILL PROPOSAL

BRITANNIA-FLECK OPTION

826123

DATE: 22 June 1988
A TO: A.J. Davidson
COPIES A COPIES TO: I.D. Pirie, D.H. Watkins
DE FROM: C.M. Burge
SUJET SUBJECT: 1988 Drill Proposal - Britannia-Fleck Option

INTRODUCTION

A helicopter-supported 940 metre diamond drill program is proposed to test the Britannia mine sequence four kilometers east of the former producer. This program was proposed August 21, 1987 but we were unable to locate a machine suitable for the job.

GEOLOGY

During the 1987 field season spectacular stringer mineralization was discovered during the summer mapping program about 400 metres and 800 metres east of the Watershed prospect. Chalcopyrite and pyrite veins up to 30 cm in width are hosted within a dacite composite flow/dome. This flow is interpreted to be the strike extension of the lower dacite flow encountered in the 1986 Watershed diamond drill program.

The 1986 program intersected two zinc-rich exhalite horizons stratigraphically above the dacite flow and below a distinctive dacite tuff breccia unit which has been traced on surface to the L4+00E area. Proposed drill holes P1, P2 and P6 will test this stratigraphy within the south limb of a northwest plunging anticline.

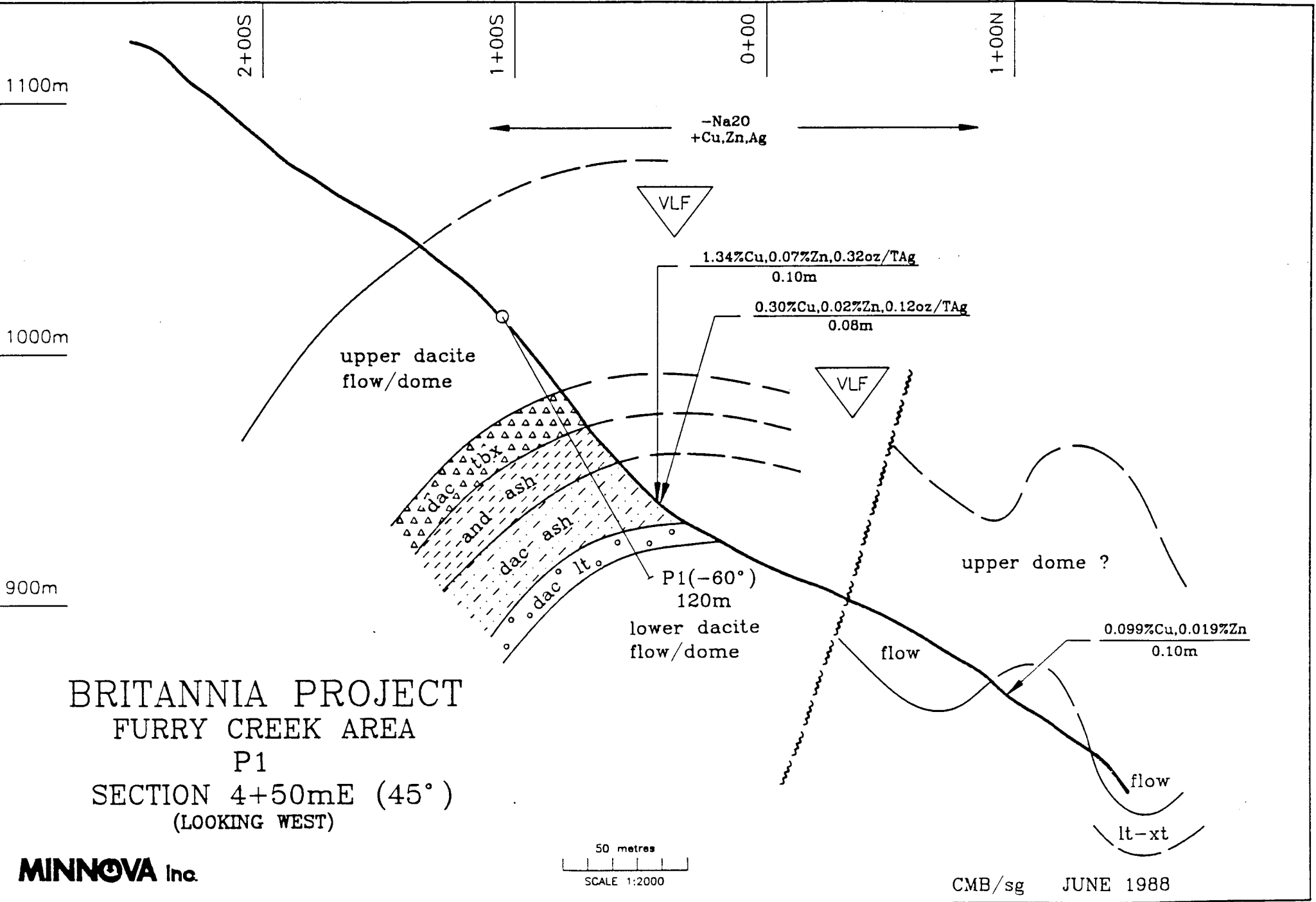
Proposed holes P3, P4 and P5 are designed to test base metal-enriched cherty ash beds above a silica-flooded andesite. This horizon is interpreted to be stratigraphically below the Watershed sequence and forms a westward plunging anticline. The andesite unit is markedly enriched in barium, depleted in soda and potash enriched. P3 and P4 will test a zinc anomaly which is associated with cherty argillites overlying the andesite and continuous over 200 metres.

P7 will test the strike extension of cherty argillites being tested in the I8+00E area. The sediments occur stratigraphically above a quartz-feldspar porphyritic dome.

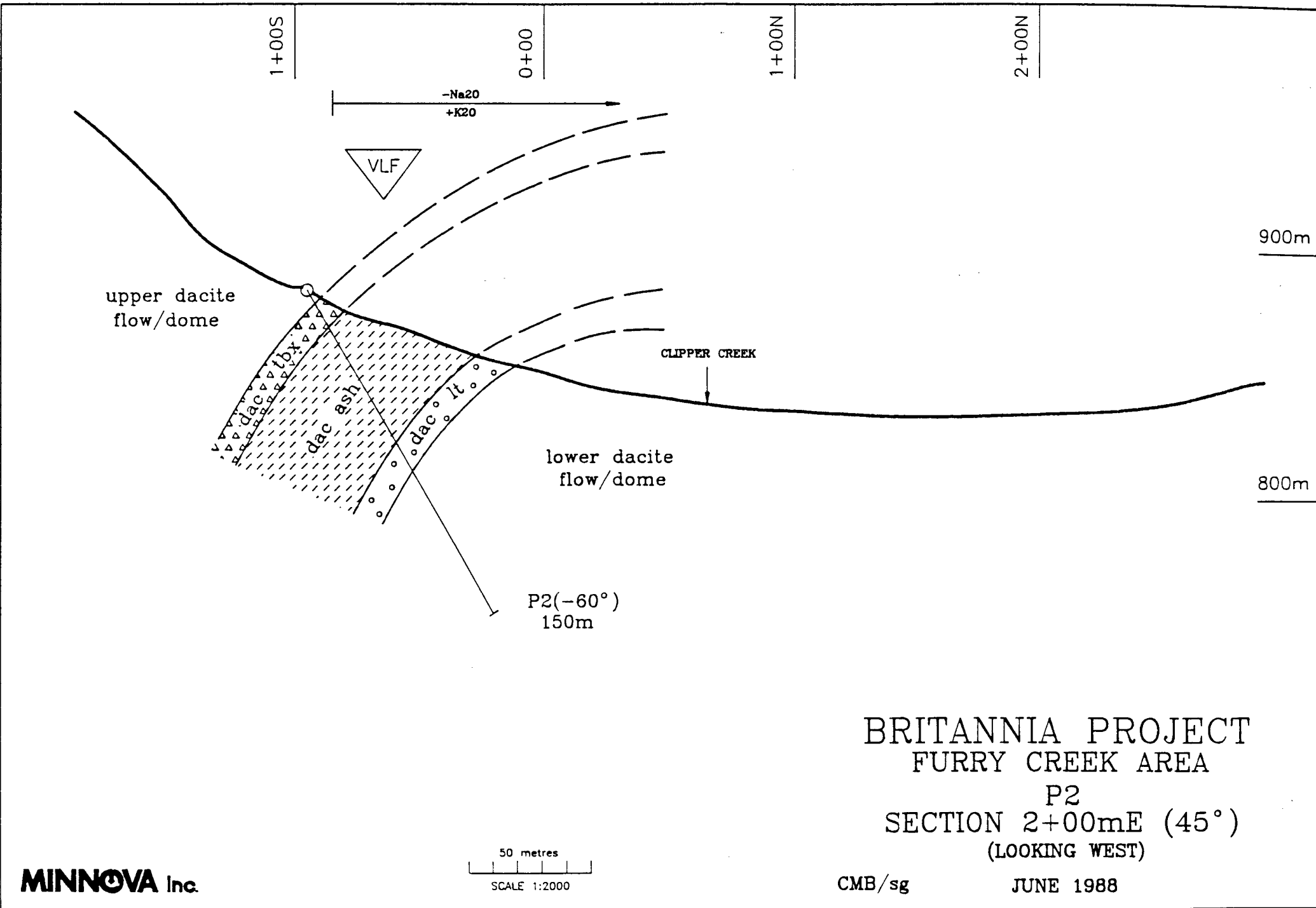
1988 PROPOSED HOLES - FLECK-BRITANNIA OPTION

<u>Hole</u>	<u>Line</u>	<u>Station</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Length</u>	<u>Cost</u>	<u>Remarks</u>
P1	4+50E	1+10S	45°	-60°	120m	13,200	P1 will test mineralized dacitic ashes stratigraphically above the lower dacite dome.
P2	1+75E	0+75S	45°	-60°	150m	16,500	P2 will test the Watershed stratigraphy 175 metres east of FC-86-02.
P3	8+00E	1+00S	45°	-60°	120m	13,200	P3 and P4 will test transition stratigraphy which contain argillite and chert horizons and copper and zinc anomalies.
P4	8+00E	1+00S	60°	-90°	150m	16,500	
P5	8+90E	0+90N	240°	-60°	100m	11,000	P5 will test cherty ashes with chalcopyrite mineralization dipping north and lying above a silica-flooded andesite.
P6	3+60E	0+80S	60°	-55°	150m	16,500	P6 will test stratigraphy 100m east of P1, where zinc values up to 5.8% were obtained.
P7	6+20E	0+70S	45°	-55°	<u>150m</u>	<u>16,500</u>	P7 will test felsic ashes and argillite stratigraphically above a quartz porphyritic dacite dome.
					TOTAL	940m	103,400 ¹
					Helicopter	35 days	<u>35,000</u>
							138,400
							Accomodation, assays, transportation, salaries, etc. <u>18,000</u>
					TOTAL		156,400

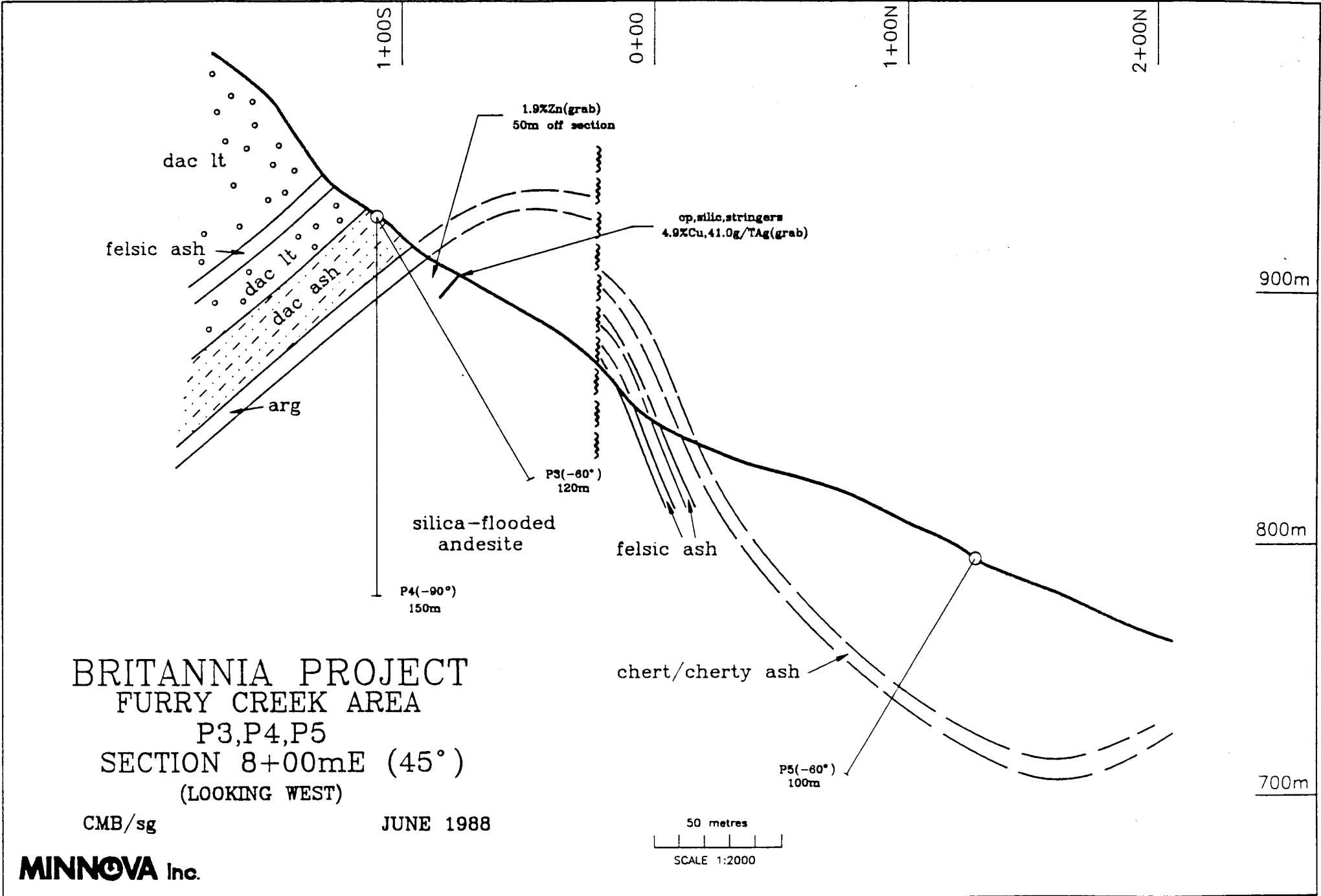
¹ Drilling cost at \$110/m



BRITANNIA PROJECT
 FURRY CREEK AREA
 P1
 SECTION 4+50mE (45°)
 (LOOKING WEST)



BRITANNIA PROJECT
 FURRY CREEK AREA
 P2
 SECTION 2+00mE (45°)
 (LOOKING WEST)



1+00S

0+00

1+00N

2+00N

dac lt

felsic ash

dac lt

dac ash

arg

1.9%Zn (grab)
50m off section

op, silic, stringers
4.9%Cu, 41.0g/TAg (grab)

900m

P3(-60°)
120m

silica-flooded
andesite

felsic ash

800m

P4(-90°)
150m

BRITANNIA PROJECT
FURRY CREEK AREA
P3, P4, P5
SECTION 8+00mE (45°)
(LOOKING WEST)

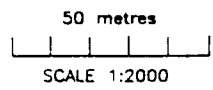
chert/cherty ash

700m

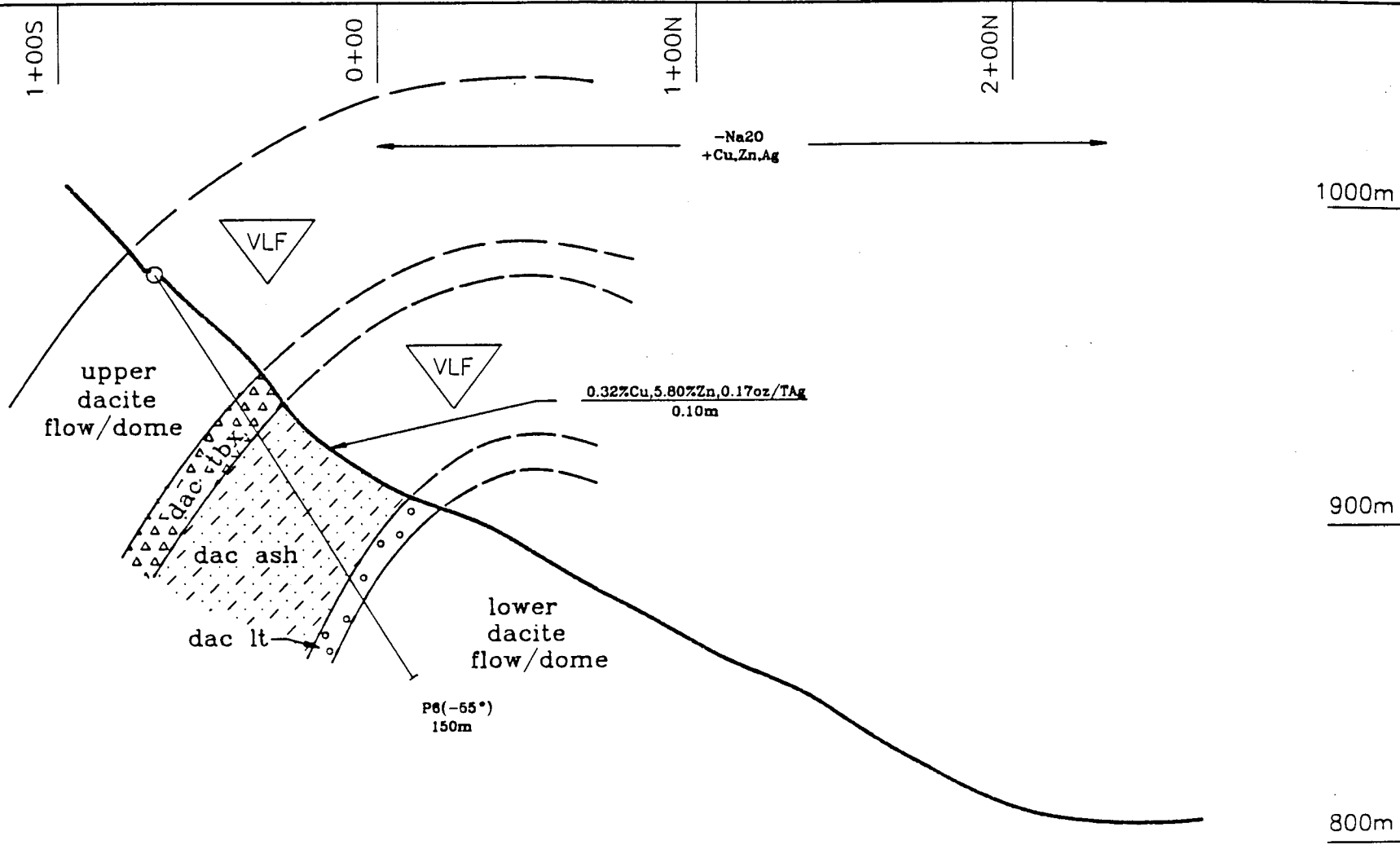
P5(-60°)
100m

CMB/sg

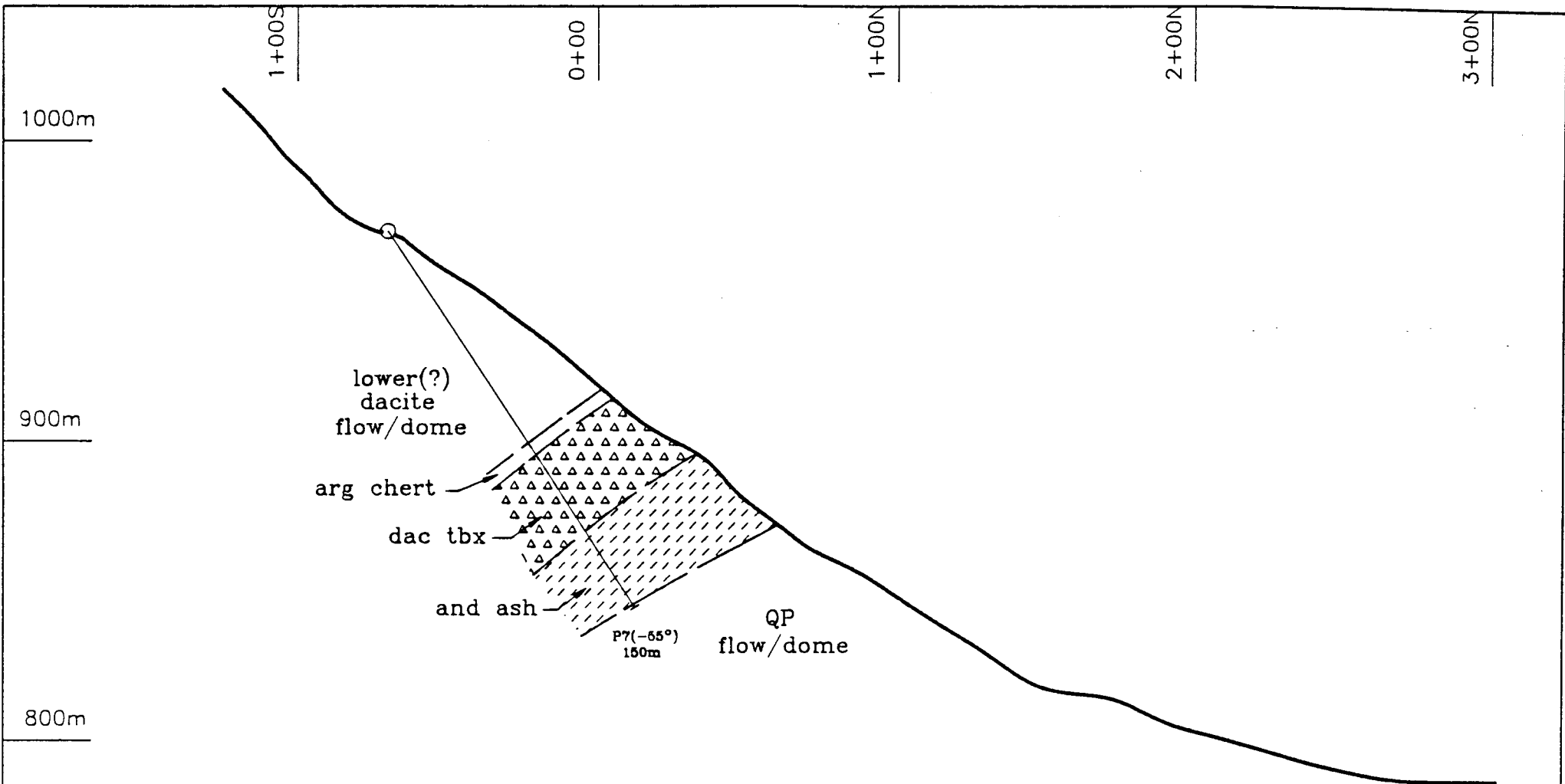
JUNE 1988



MINNOVA Inc.



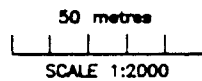
BRITANNIA PROJECT
 FURRY CREEK AREA
 P6
 SECTION 3+80mE (45°)

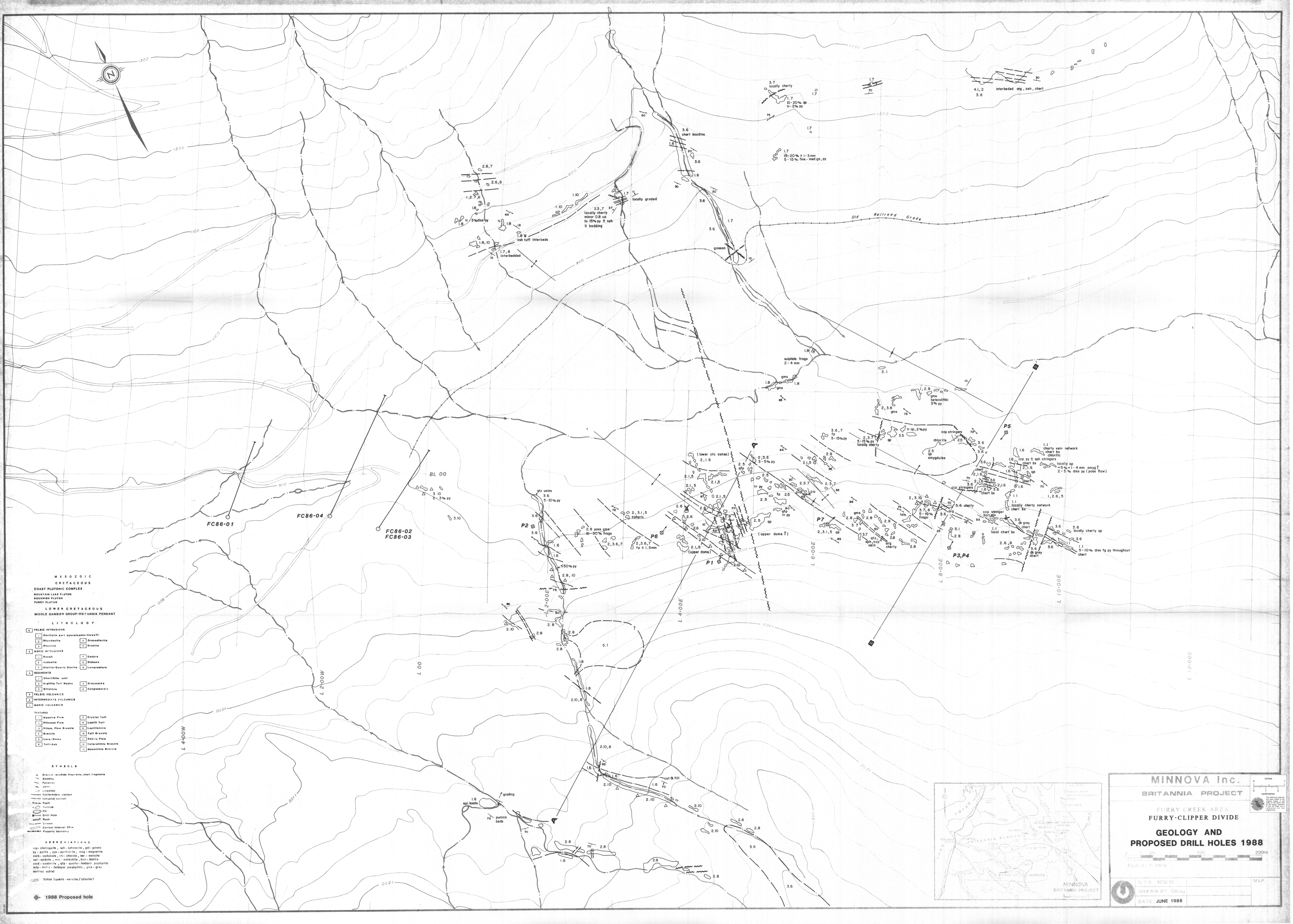


BRITANNIA PROJECT
 FURRY CREEK AREA

P7

SECTION 6+00mE (45°)





MINNOVA Inc.
BRITANNIA PROJECT
 FURRY CREEK AREA
 FURRY-CLIPPER DIVIDE
**GEOLOGY AND
 PROPOSED DRILL HOLES 1988**

SCALE: 1:2000

N.T.S. 926/10
 DRAWN BY: CB/rg
 DATE: JUNE 1988

MAP

