

MINERAÇÃO BALSAMO  
CONVÊNIO MINERAÇÃO BALSAMO - CPRM

PROJETO GEOFÍSICA TERRESTRE PARA  
A MINERAÇÃO BALSAMO

RELATÓRIO FINAL

VOLUME III

ANEXOS - PROJETO IRAMAIA

*Paulo Eduardo L. da Silva*



COMPANHIA DE PESQUISA DE RECURSOS MINERAIS  
SUPERINTENDÊNCIA REGIONAL DE SALVADOR

1982

PROJETO GEOFÍSICA TERRESTRE PARA A  
MINERAÇÃO BALSAMO  
RELATÓRIO FINAL  
VOL. III

I 96

CPRM - SEDOTE	
ARQUIVO TÉCNICO	
Relatório n.º	1464
N.º de Volumes:	3 v: 3-5
171 002133	

PROJETO IRAMAIA (MARACÁS)

- ANEXO XXII - Perfis de VLF - Área BOA VIAGEM
- ANEXO XXIII - Mapa de Contorno Fraser - Área BOA VIAGEM
- ANEXO XXIV - Perfil L-8 de IP - BOA VIAGEM
- ANEXO XXV - Perfil L-1 de IP - BOA VIAGEM
- ANEXO XXVI - Perfil L-2 de IP - BOA VIAGEM
- ANEXO XXVII - Perfil L-3 de IP - BOA VIAGEM
- ANEXO XXVIII - Mapa de resistividades  $n=1$ , BOA VIAGEM
- ANEXO XXIX - Mapa de resistividades  $n=2$ , BOA VIAGEM
- ANEXO XXX - Mapa de resistividades  $n=3$ , BOA VIAGEM
- ANEXO XXXI - Mapa de PFE  $n=1$ , BOA VIAGEM
- ANEXO XXXII - Mapa de PFE  $n=2$ , BOA VIAGEM
- ANEXO XXXIII - Mapa de PFE  $n=3$ , BOA VIAGEM
- ANEXO XXXIV - Perfis de VLF - Leopoldina I
- ANEXO XXXV - Mapa de Contorno Fraser - Leopoldina I
- ANEXO XXXVI - Perfil de IP - L-1 - Leopoldina I
- ANEXO XXXVII - Perfil de IP - L-3 - Leopoldina I
- ANEXO XXXVIII - Perfil de IP - L-5 - Leopoldina I
- ANEXO XXXIX - Perfis de VLF - Leopoldina II
- ANEXO XL - Mapa de Contorno Fraser - Leopoldina II

SW

NE

LB

L-7

L-6

L-5

L-4

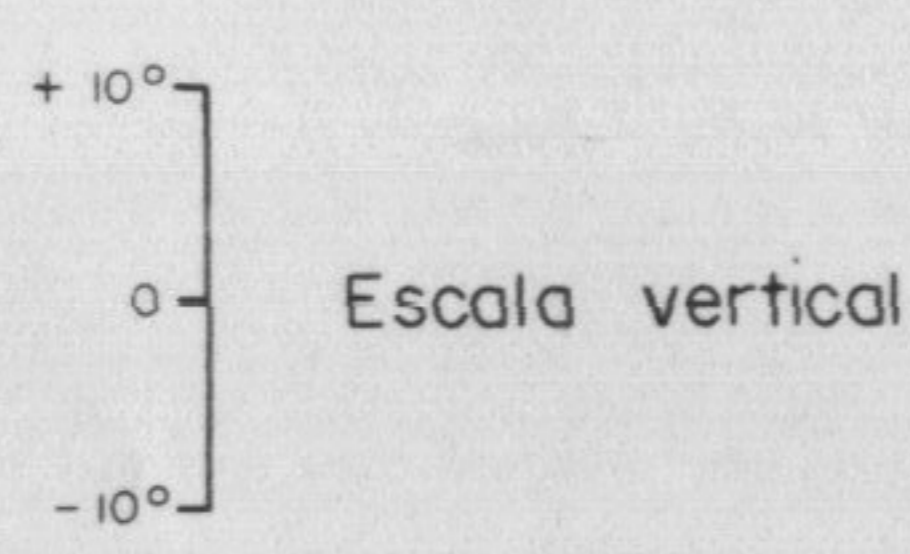
L-3

L-2

L-1

L-8

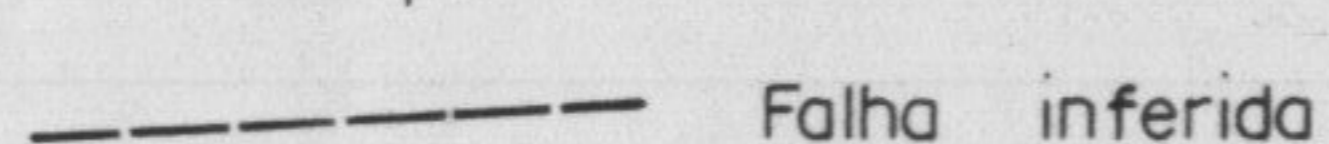
L-9



Escala vertical



Eixo anomalo



Falha inferida

Eixo anomalo

Q - Quadratura

R - Inclinação

AR - Fraser

Eixo secundário

### PERFIS DE VLF

AREA : BOA VIAGEM



1981

Téc. Responsável : Paulo Eduardo

ANEXO XXII



CONVÊNIO - CPRM  
Mineração - Balsamo

SW

NE

LB



— L-7

— L-6

— L-5

— L-4

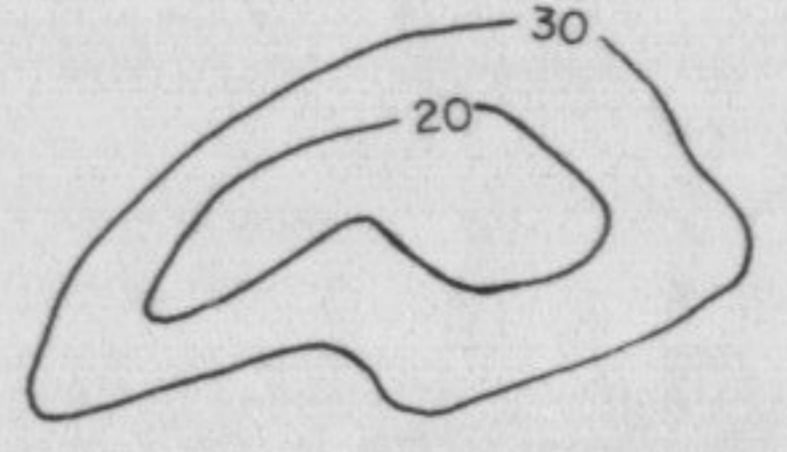
— L-3

— L-2

— L-1

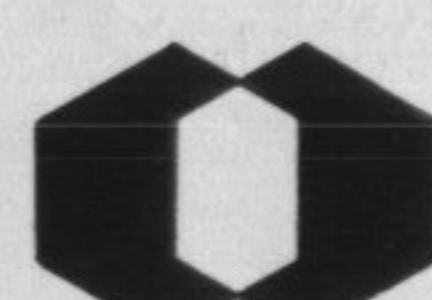
— L-8

— L-9

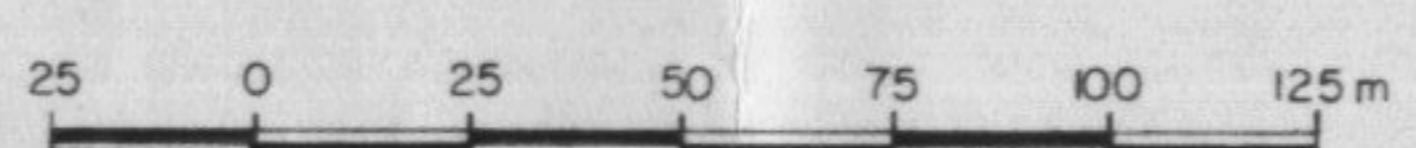


Intervalo de contorno

MAPA DE CONTORNO FRASER  
 ÁREA : BOA VIAGEM



CONVÊNIO - CPRM  
 Mineração Báltamo



1981

Téc. Responsável : Paulo Eduardo

ANEXO XXIII

# POLARIZAÇÃO INDUZIDA

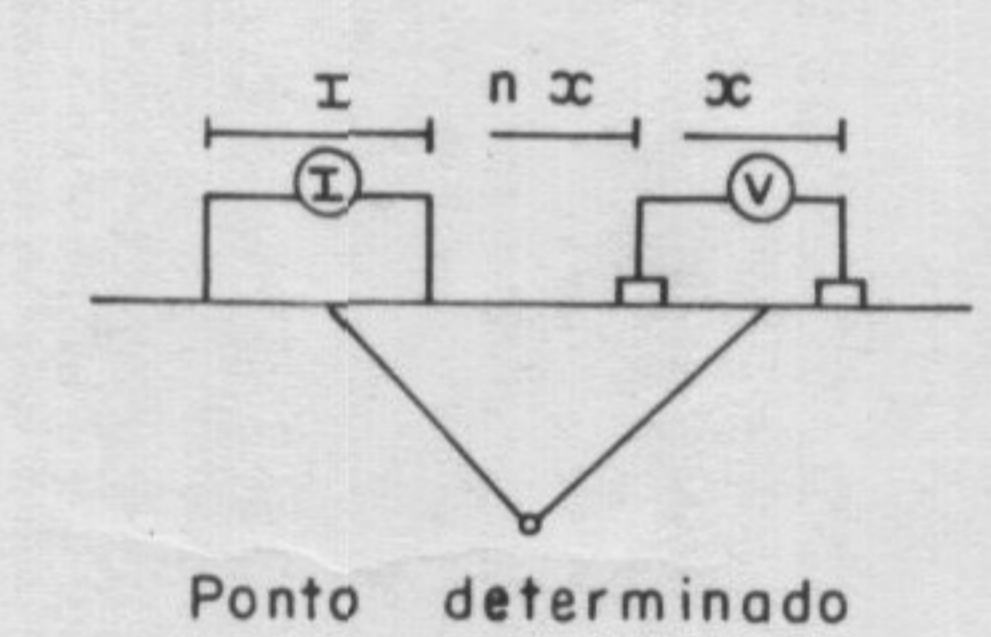
BOA VIAGEM

PROJETO IRAMAIA

PERFIL : L-08

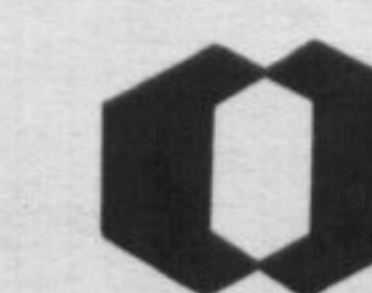
FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I. P.

— DEFINIDA  
 - - - PROVÁVEL



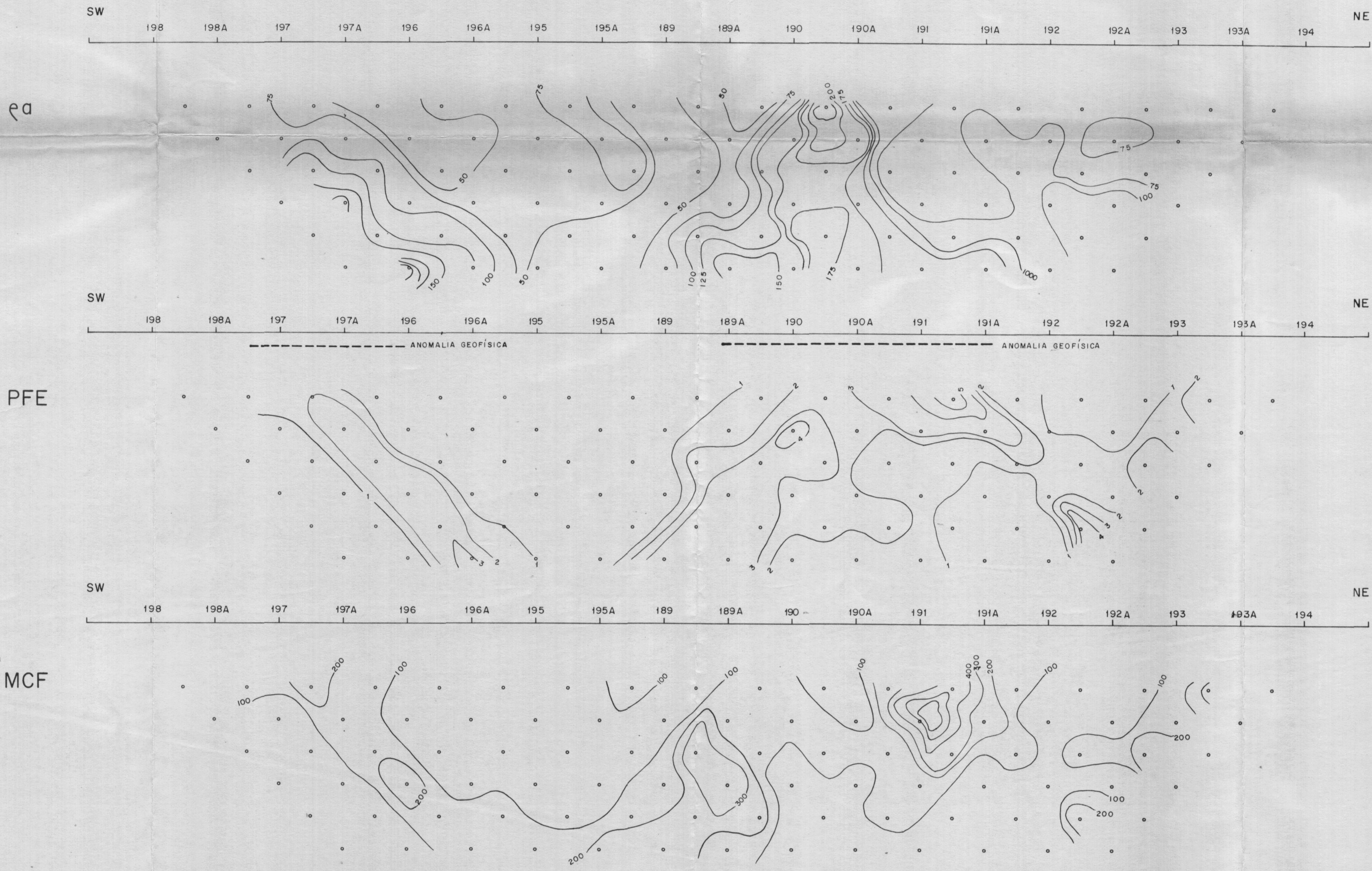
**CPRM**  
 SUREG / SA

PROJETO G.T. MINERAÇÃO BALSAMO

Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

ANEXO XXIV



ESCALA



# POLARIZAÇÃO INDUZIDA

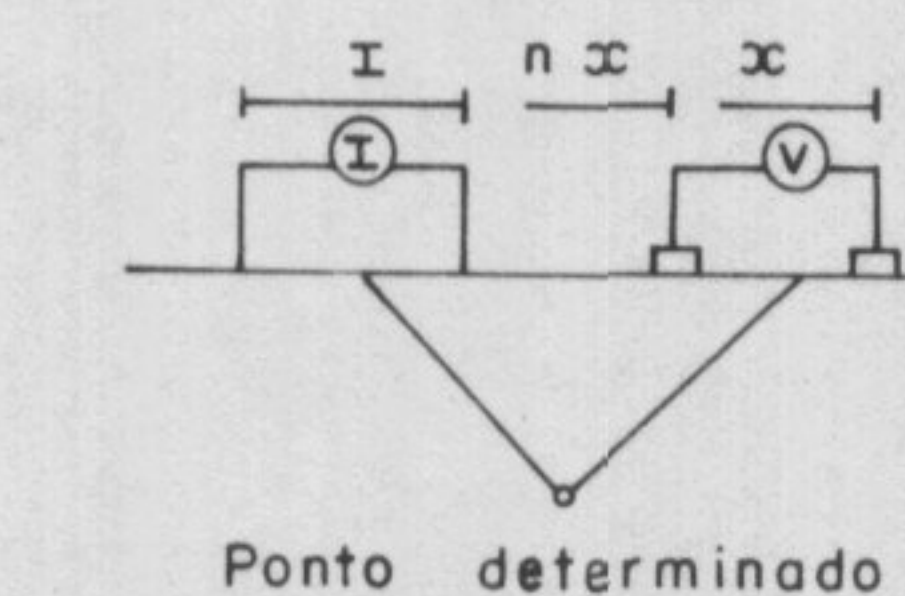
BOA VIAGEM

PROJETO IRAMAIA

PERFIL : L-01

FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - - - PROVÁVEL



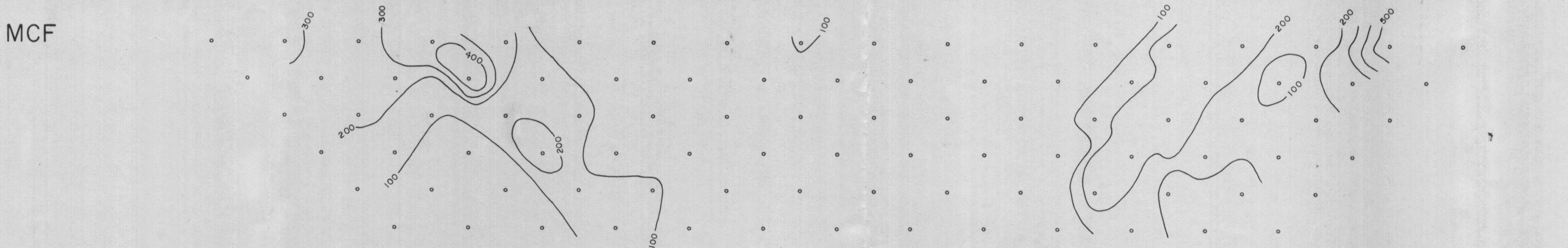
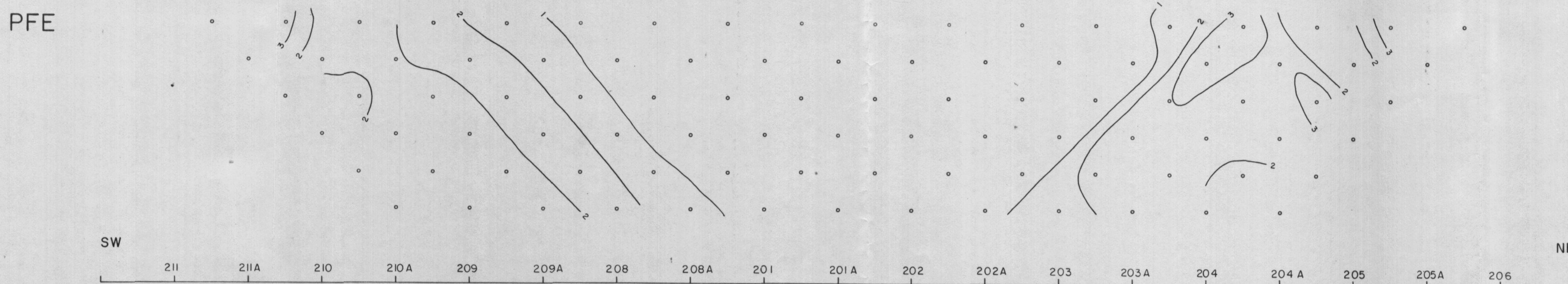
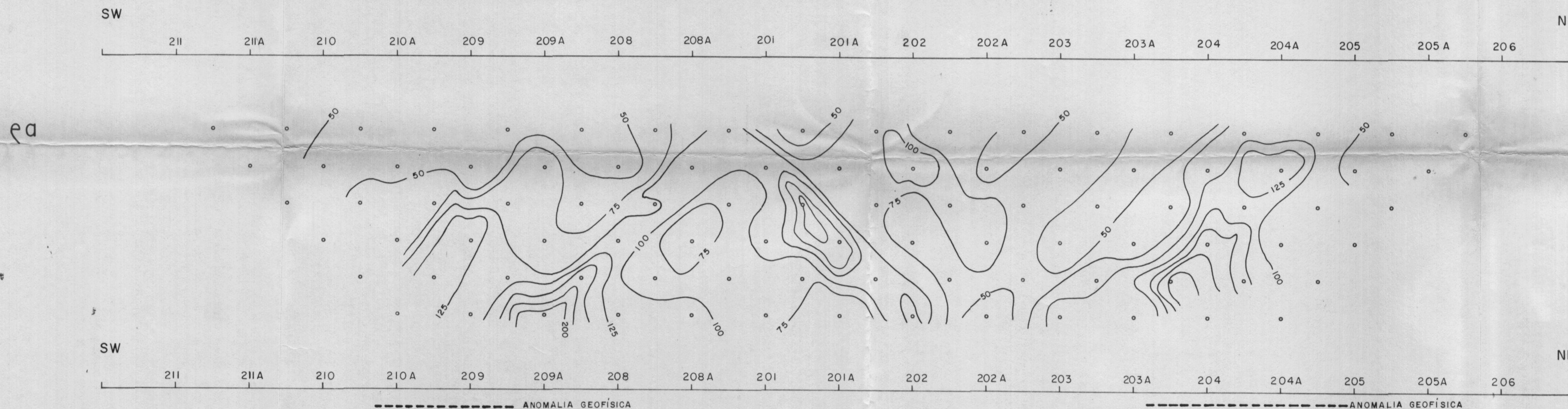
**CPRM**  
 SUREG / SA

PROJETO G.T. MINERAÇÃO BALSAMO

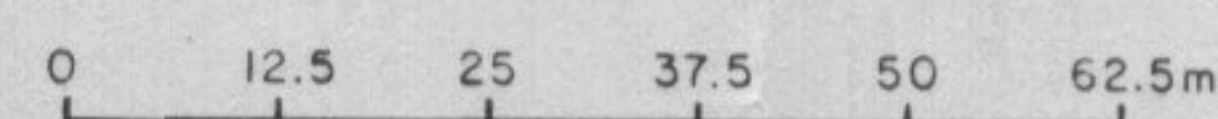
Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

ANEXO XXV



ESCALA



# POLARIZAÇÃO INDUZIDA

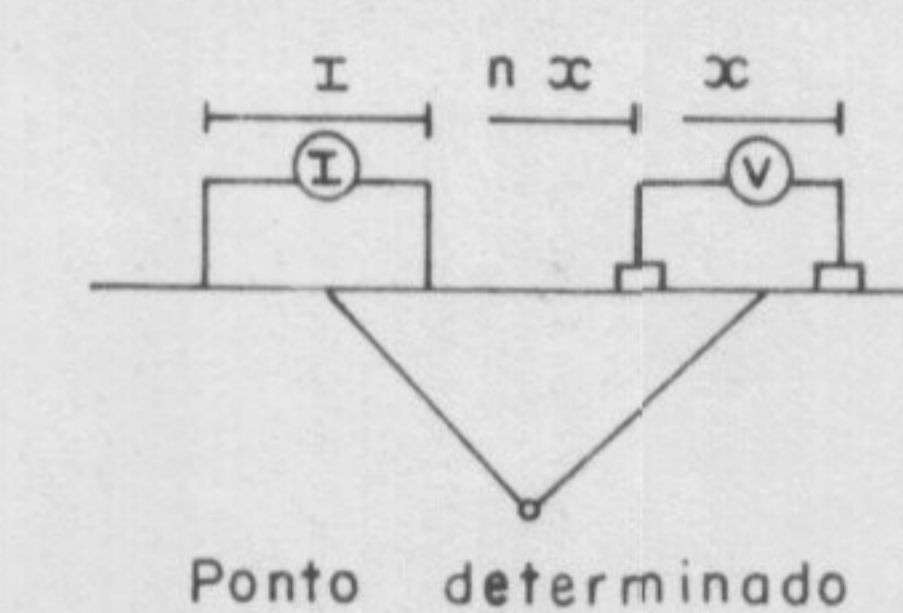
BOA VIAGEM

PROJETO IRAMAIA

PERFIL : L-02

FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - - - PROVÁVEL



**CPRM**  
 SUREG / SA

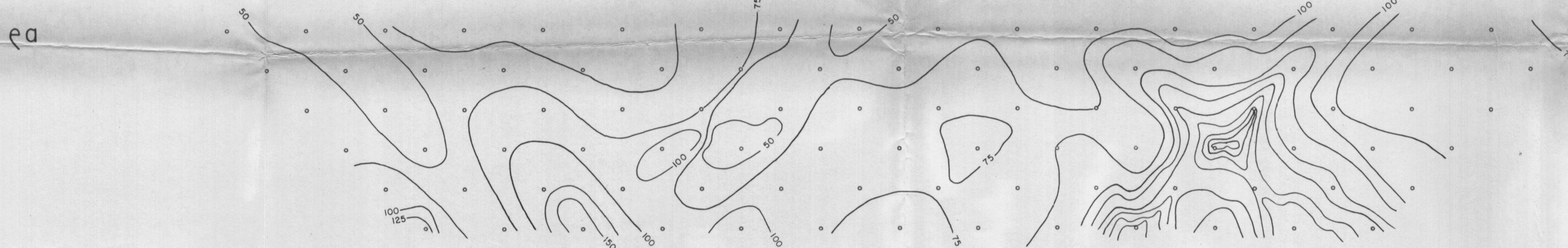
PROJETO G.T. MINERAÇÃO BALSAMO

Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

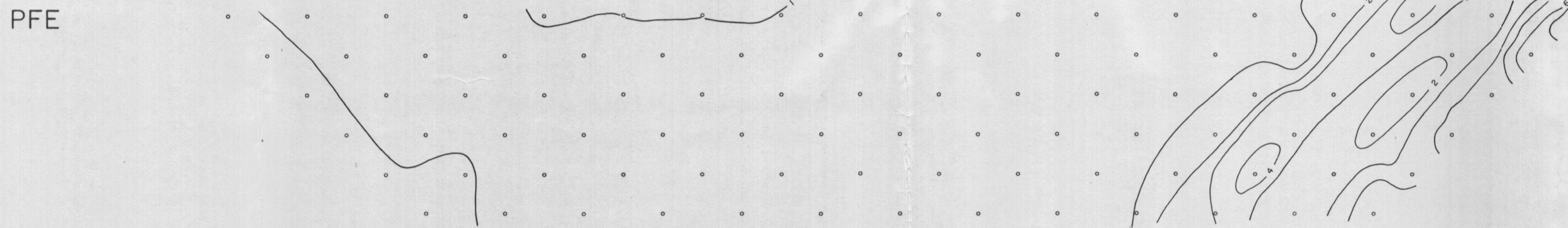
ANEXO XXVI

SW 225 225A 224 224A 223 223A 214 214A 215 215A 216 216A 217 217A 218 218A 219 219A 220 220A 221 NE

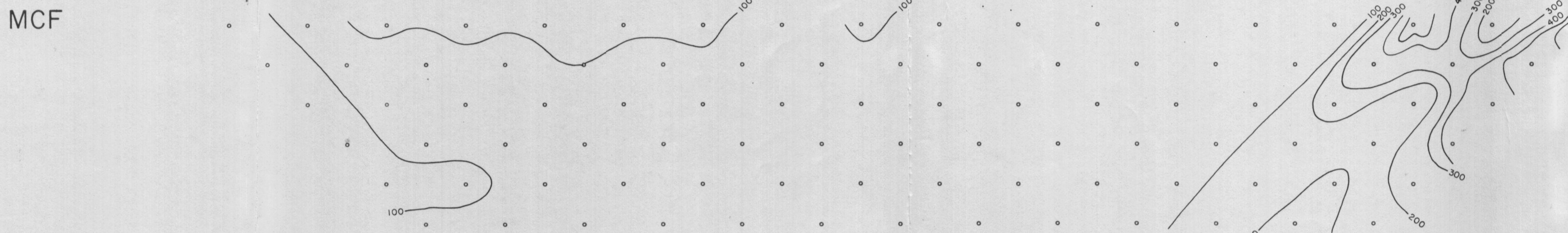


SW 225 225A 224 224A 223 223A 214 214A 215 215A 216 216A 217 217A 218 218A 219 219A 220 220A 221 NE

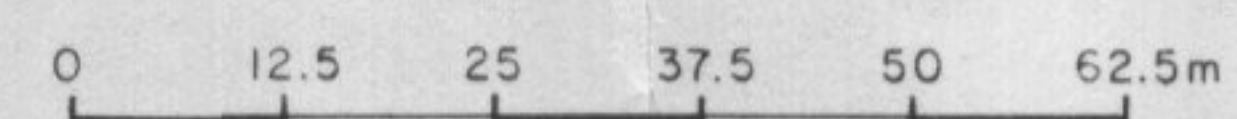
ANOMALIA GEOFISICA



SW 225 225A 224 224A 223 223A 214 214A 215 215A 216 216A 217 217A 218 218A 219 219A 220 220A 221 NE



ESCALA





# POLARIZAÇÃO INDUZIDA

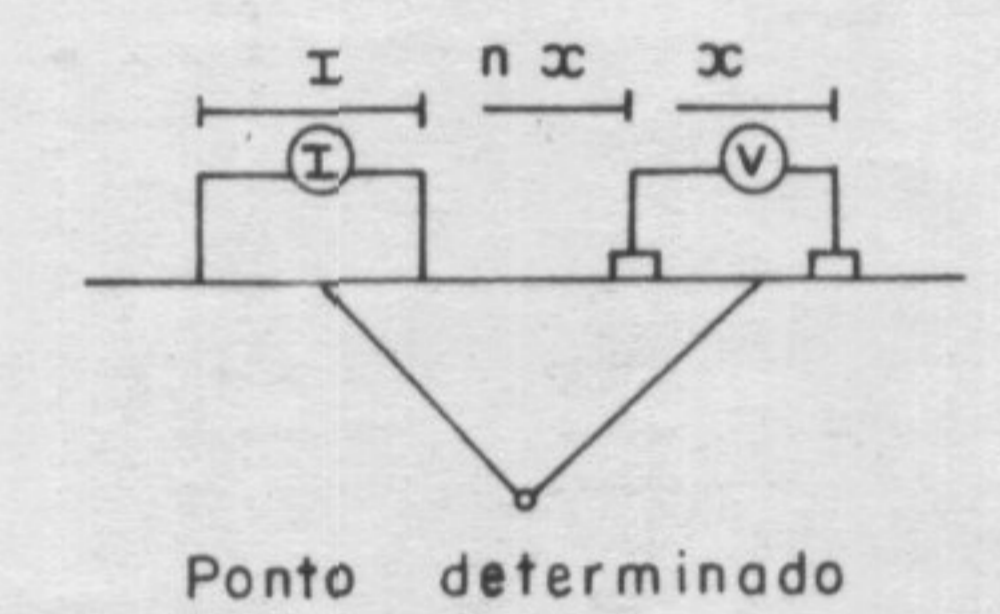
BOA VIAGEM

PROJETO IRAMAIA

PERFIL : L-03

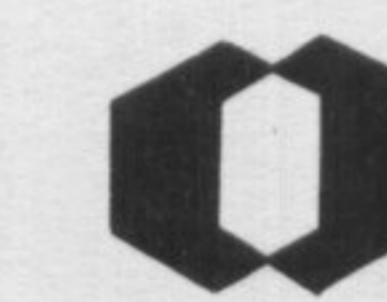
FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - PROVÁVEL



**CPRM**  
 SUREG / SA

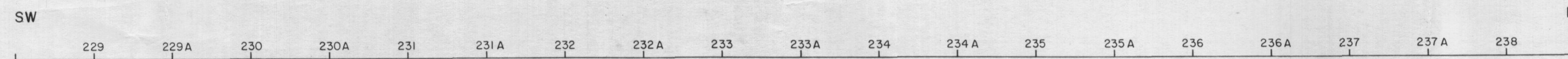
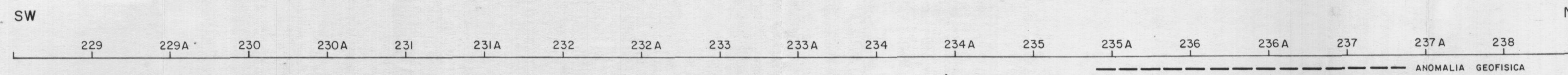
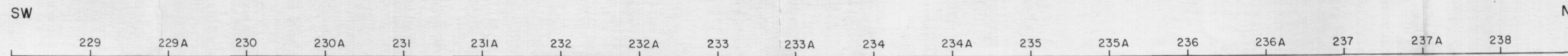
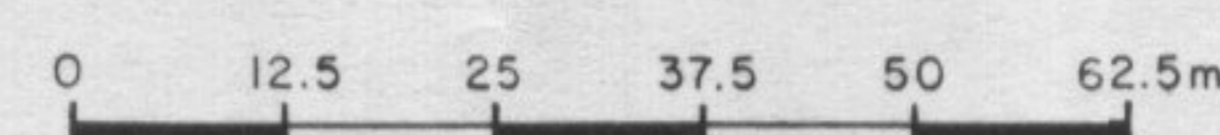
PROJETO G.T. MINERAÇÃO BALSAMO

Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

ANEXO XXVII

ESCALA



ea

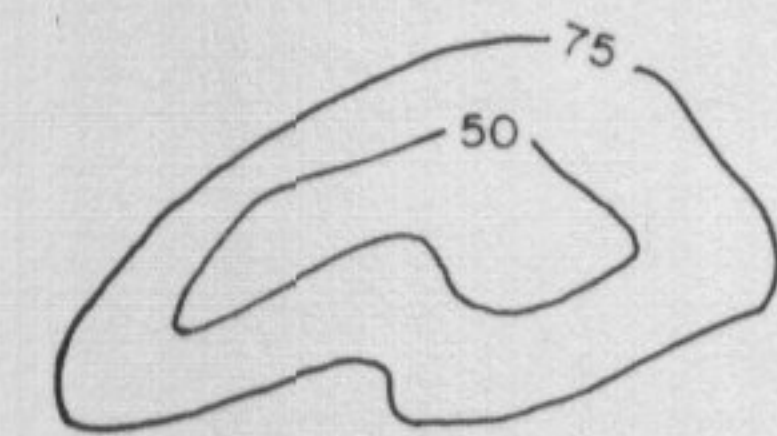
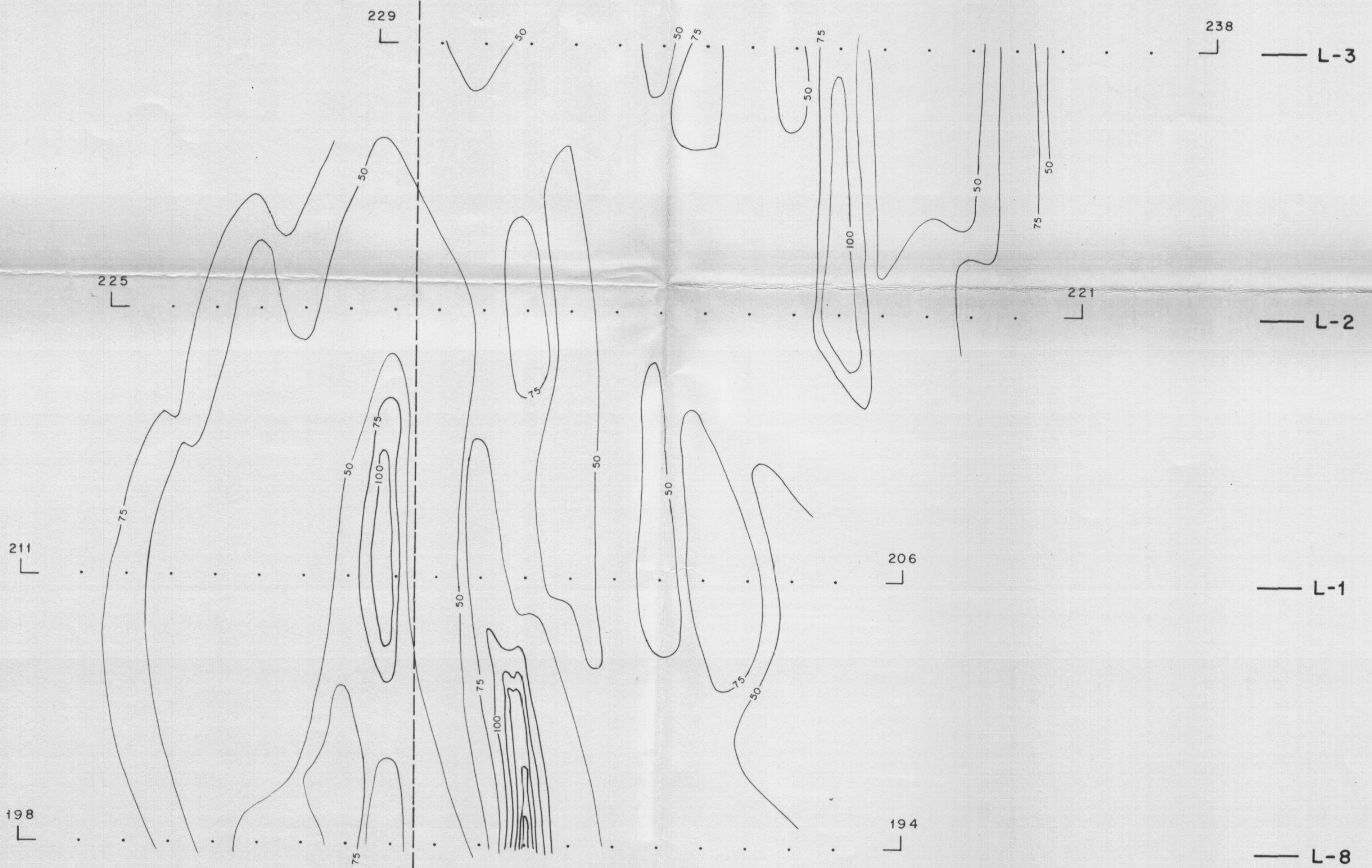
PFE

MCF

SW

NE

LB

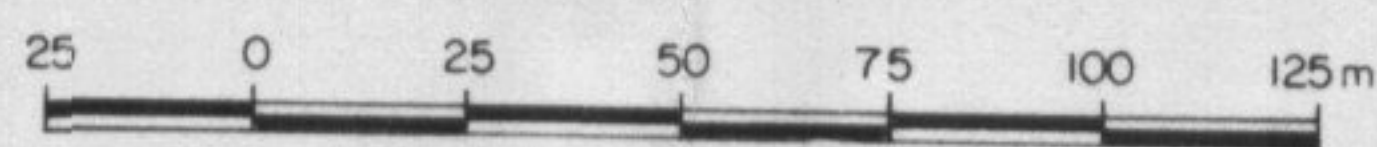


Intervalo de contorno

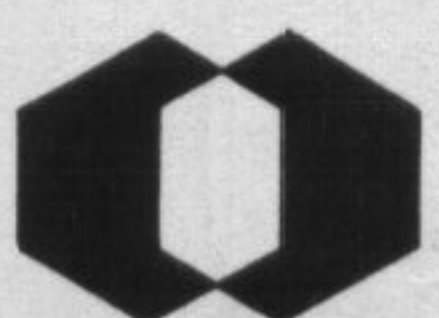
# MAPA DE RESISTIVIDADES

ÁREA : BOA VIAGEM

n = 1



1981



CONVÊNIO - CPRM  
Mineração Balsamo

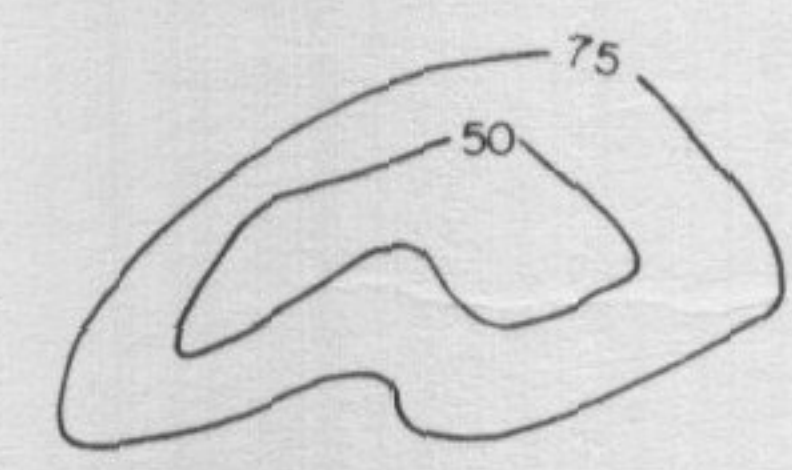
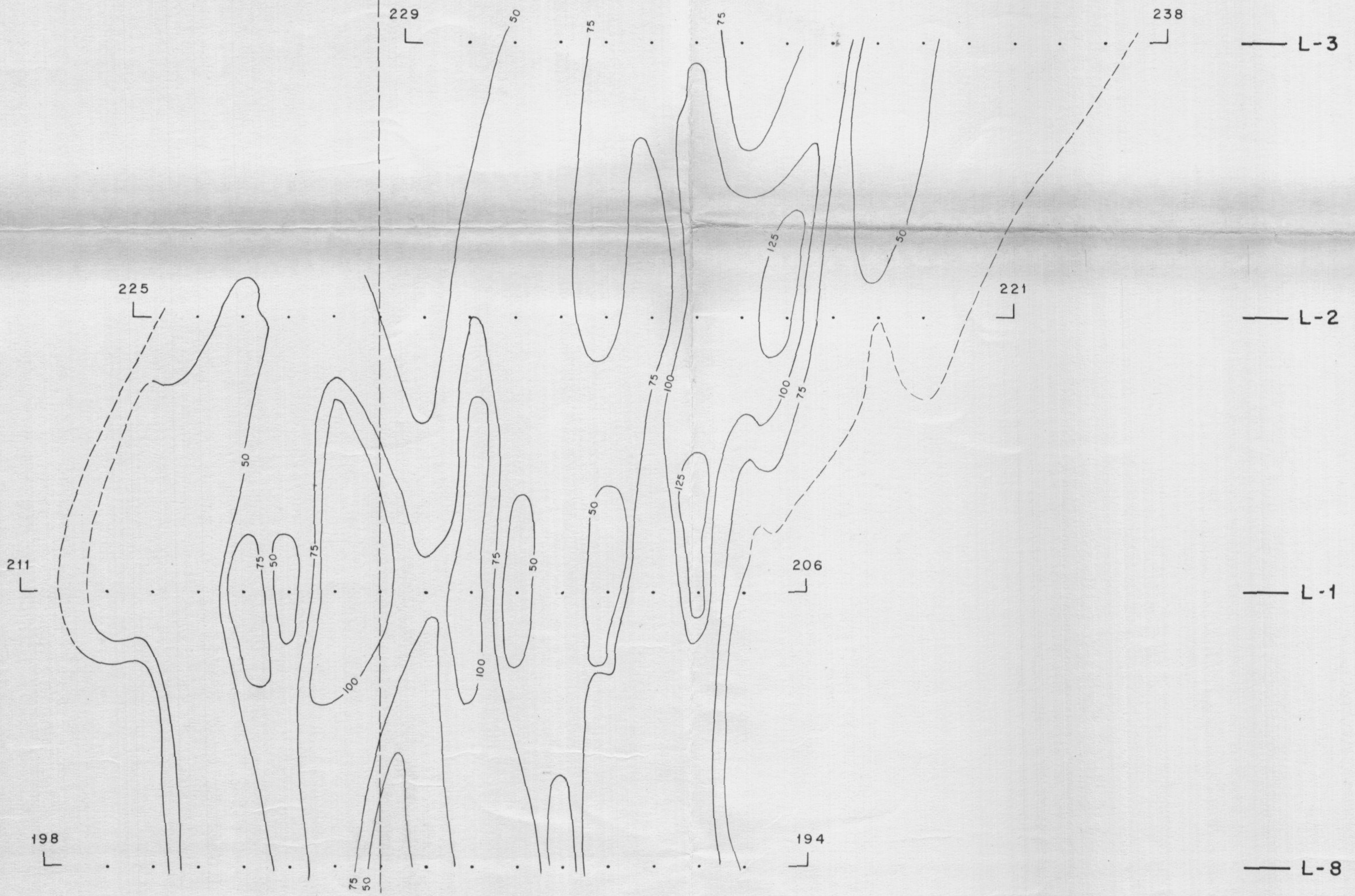
Téc. Responsável : Paulo Eduardo

ANEXO XXVIII

SW

NE

LB



Intervalo de contôrno

# MAPA DE RESISTIVIDADES

ÁREA : BOA VIAGEM

n = 2



1981



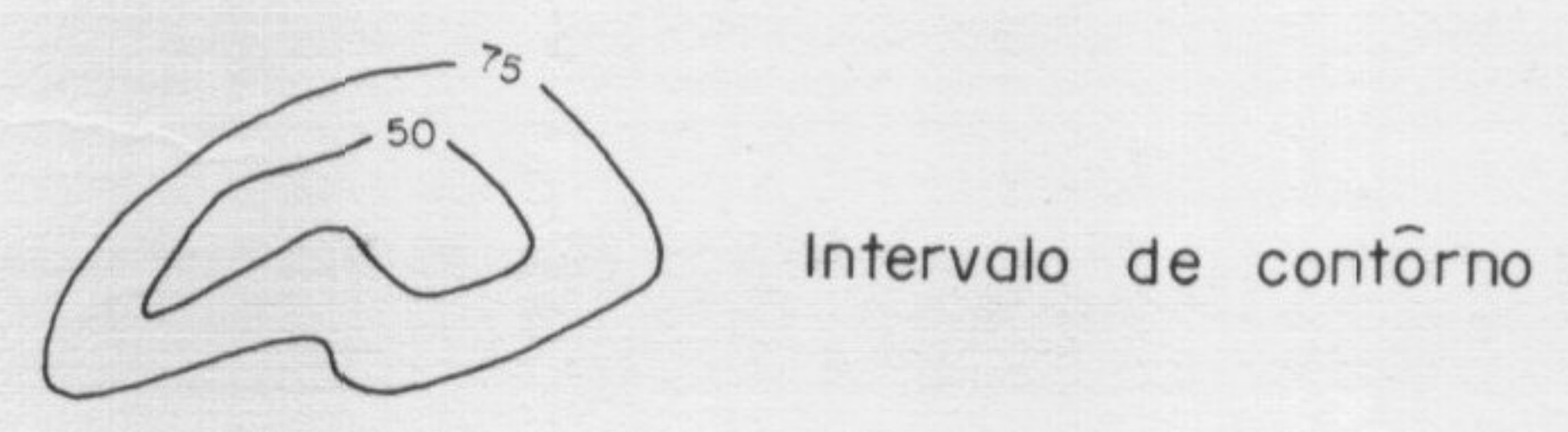
CONVÊNIO - CPRM  
Mineração Báltamo

Téc. Responsável : Paulo Eduardo

ANEXO XXIX

SW

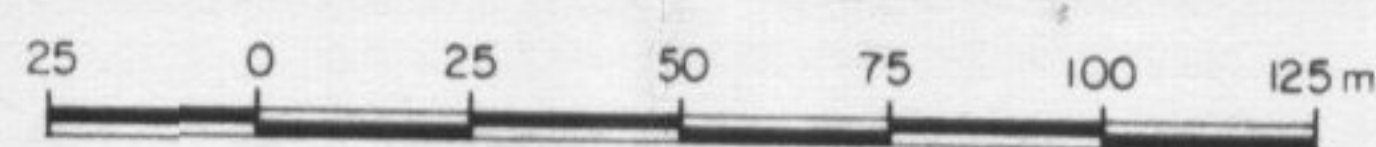
NE



# MAPA DE RESISTIVIDADES

ÁREA : BOA VIAGEM

n = 3



1981



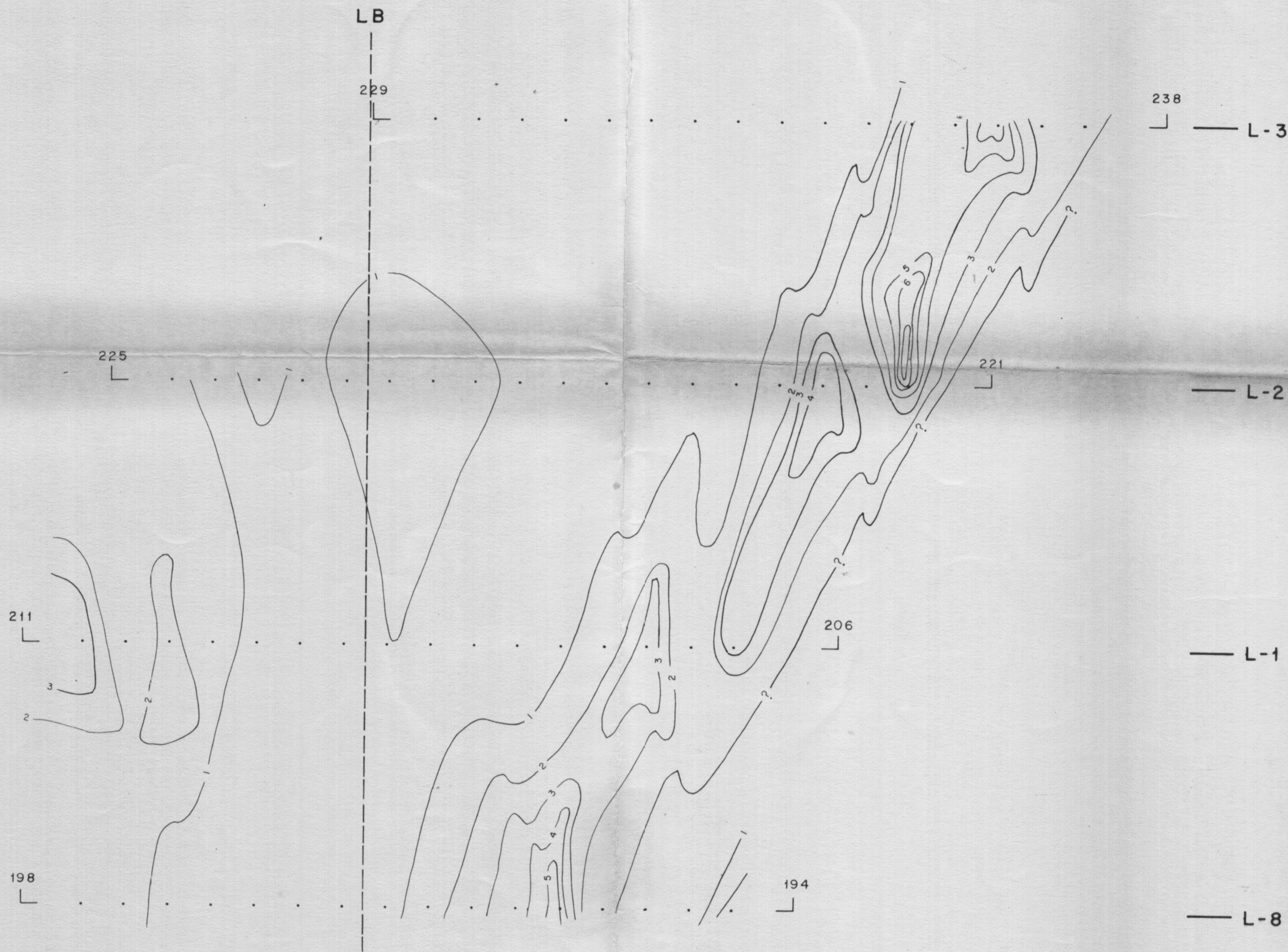
CONVÊNIO - CPRM  
Mineração Bálamo

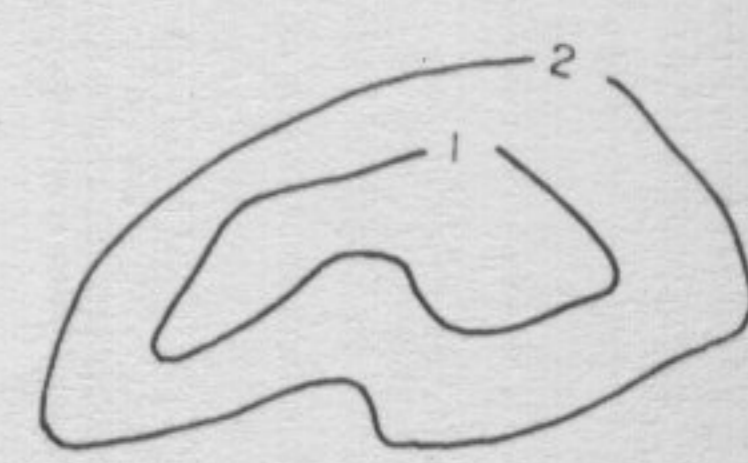
Téc. Responsável : *Paulo Eduardo*

ANEXO XXX

SW

NE




 Intervalo de contôrno

MAPA DE PFE

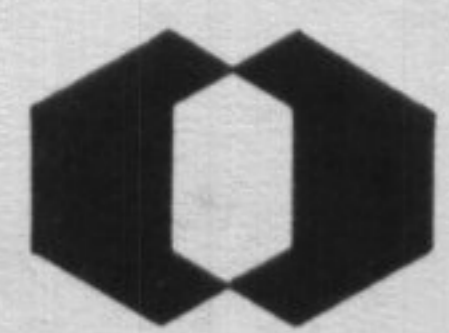
ÁREA : BOA VIAGEM

n = 1



1981

Tec. Responsável : Paulo Eduardo

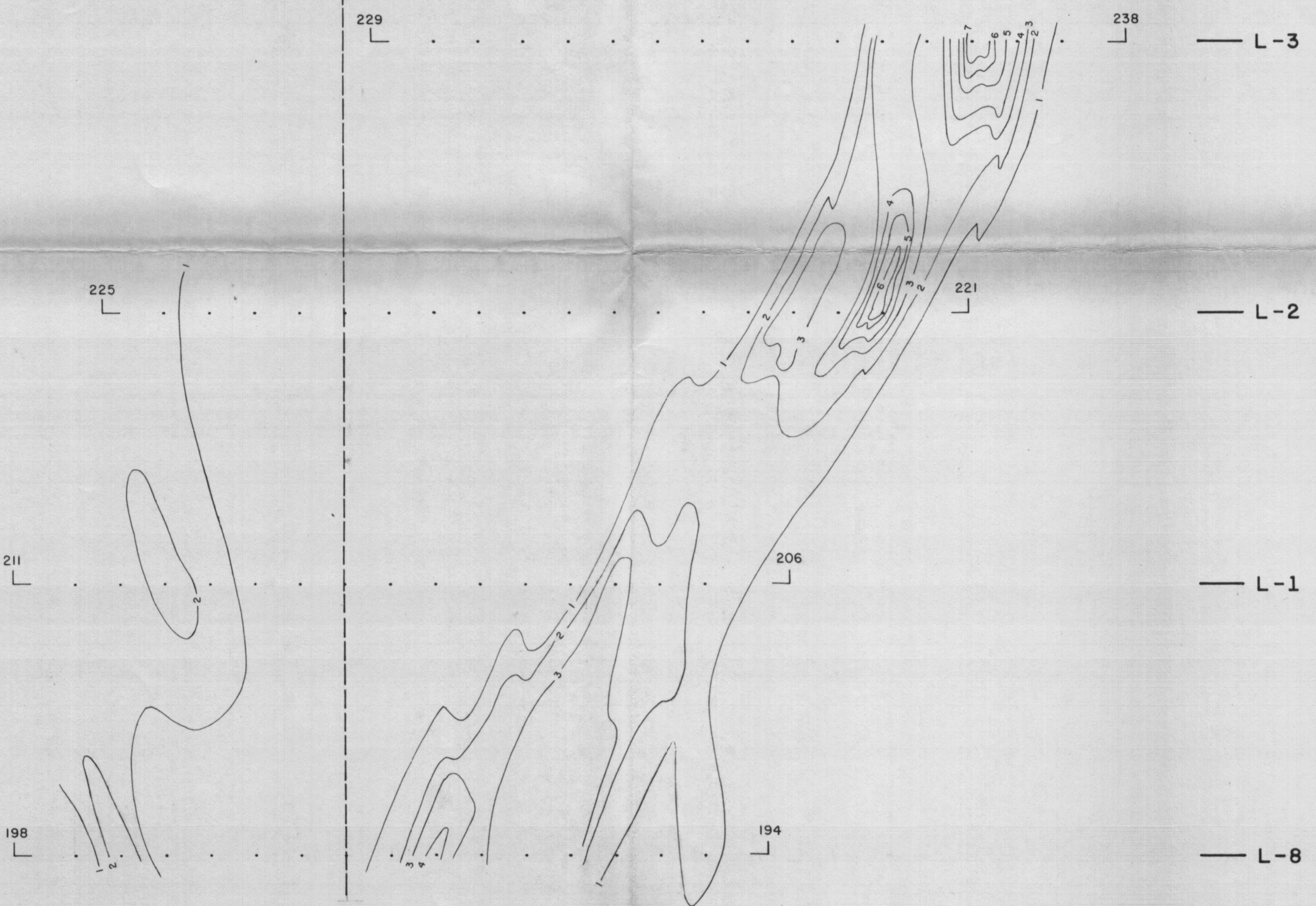


CONVÊNIO - CPRM  
Mineração Bálamo

SW

NE

LB

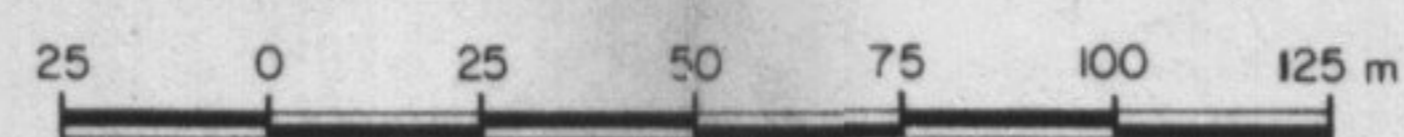


Intervalo de contorno

# MAPA DE PFE

ÁREA : BOA VIAGEM

n = 2



1981



CONVÊNIO - CPRM  
Mineração Balsamo

Téc. Responsável : Paulo Eduardo

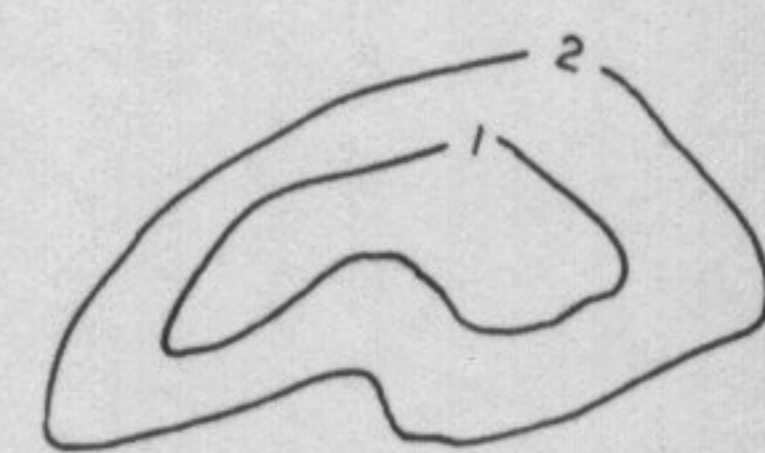
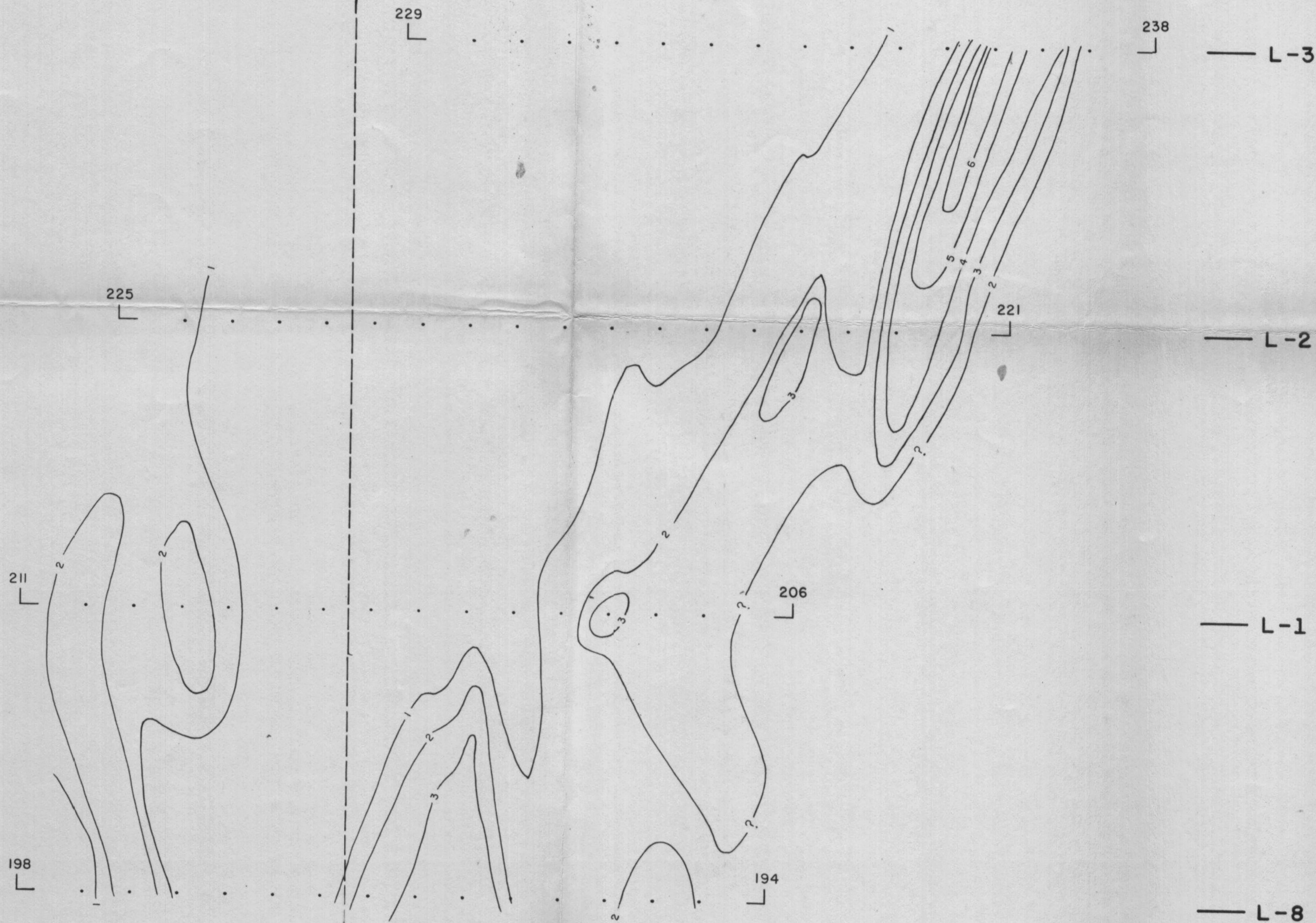
ANEXO XXXII

*Handwritten signature or initials at the bottom left of the page.*

SW

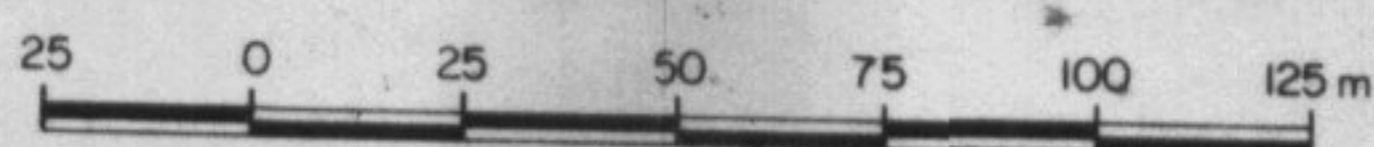
NE

LB

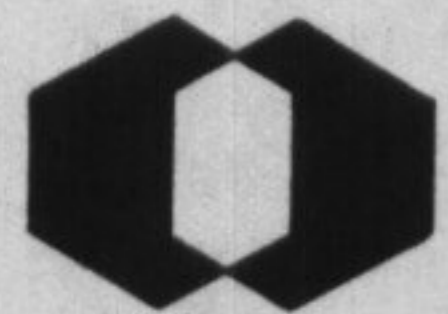


Intervalo de contôrno

PERFIS DE PFE  
 ÁREA : BOA VIAGEM  
 n=3



1981



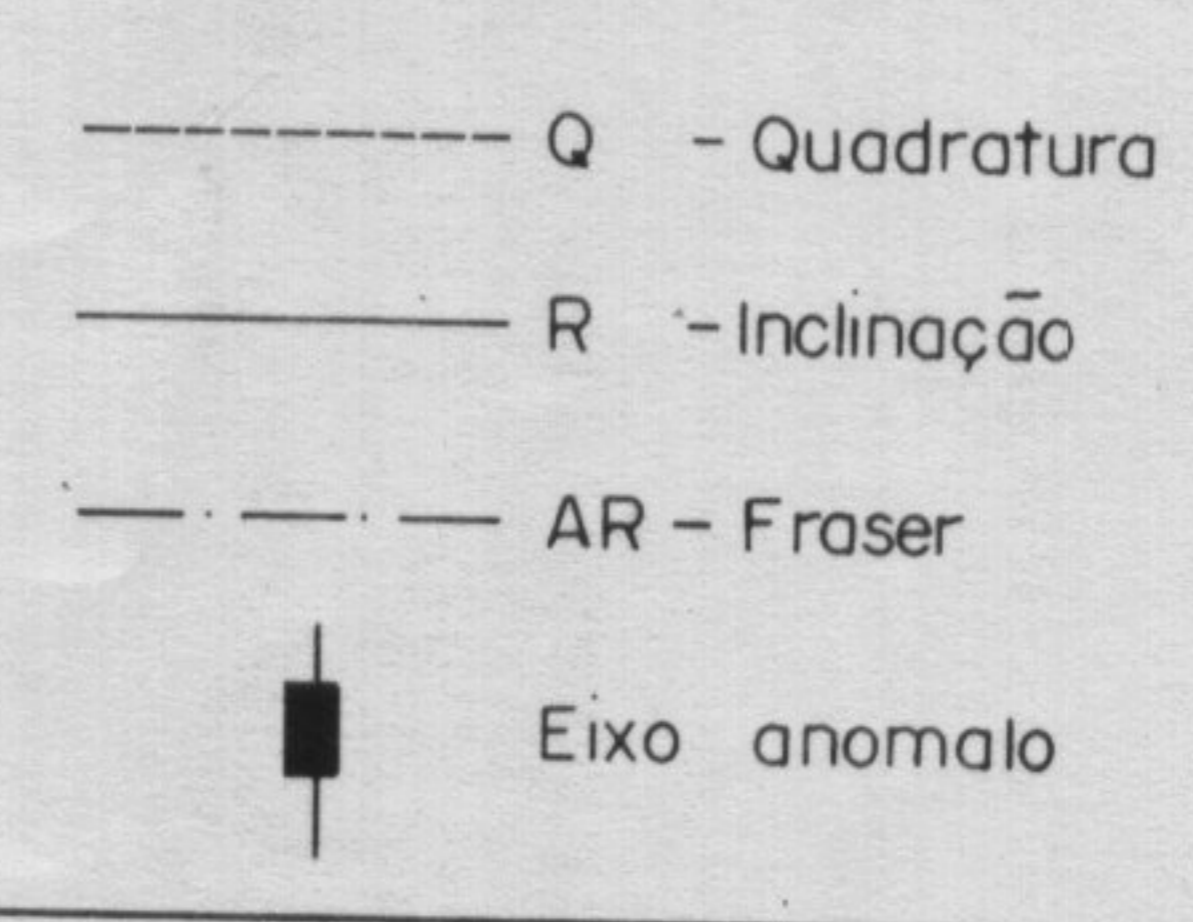
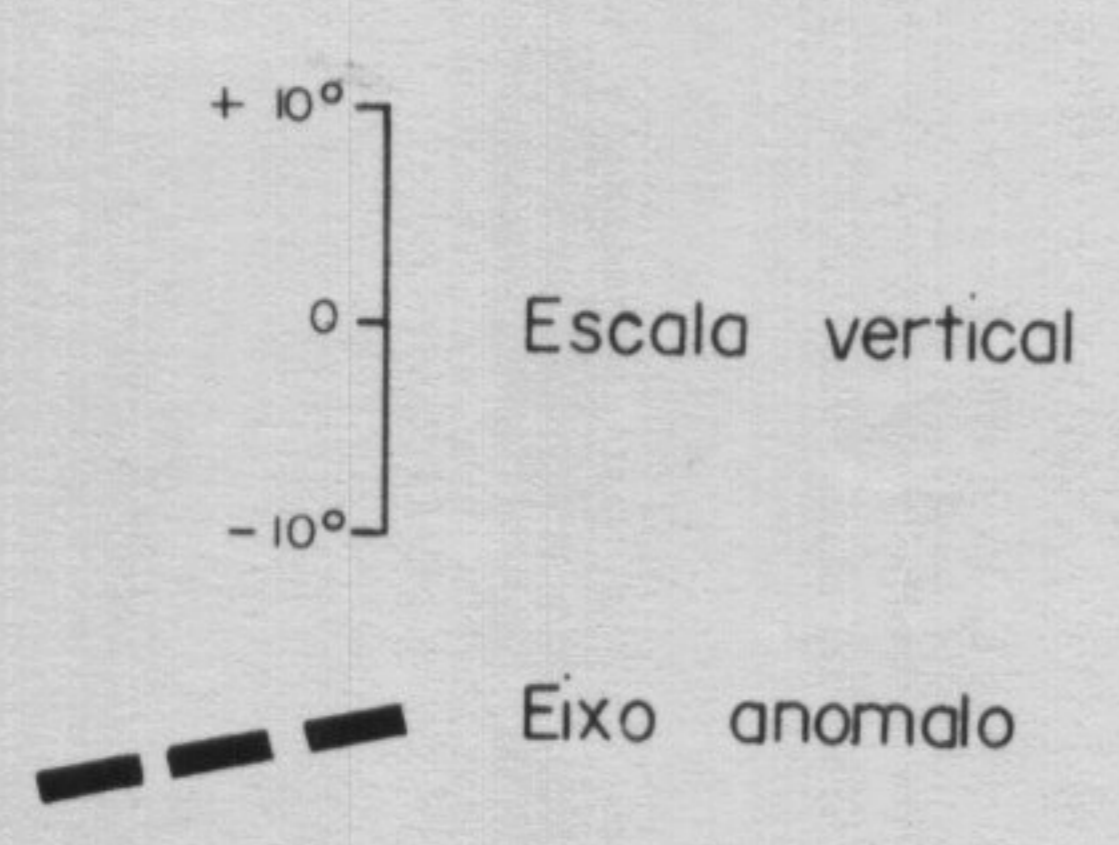
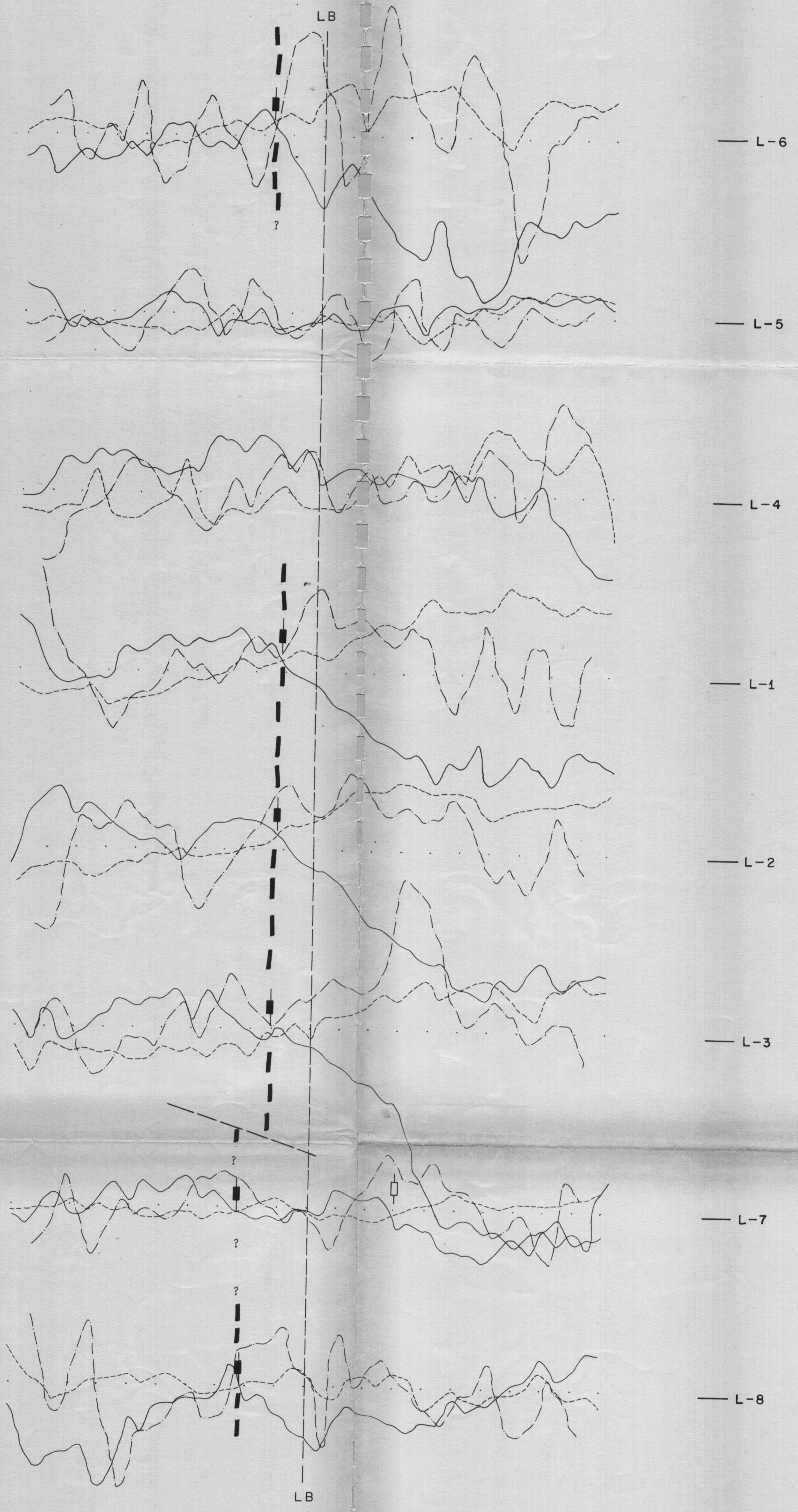
CONVÊNIO - CPRM  
 Mineração Bálsamo

Téc. Responsável : Paulo Eduardo

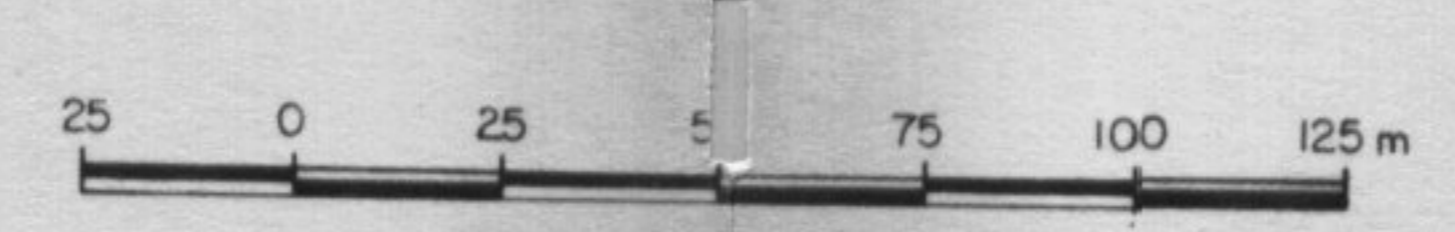
ANEXO XXXIII

NW

SE



PERFIS DE VLF  
 ÁREA LEOPOLDINA I

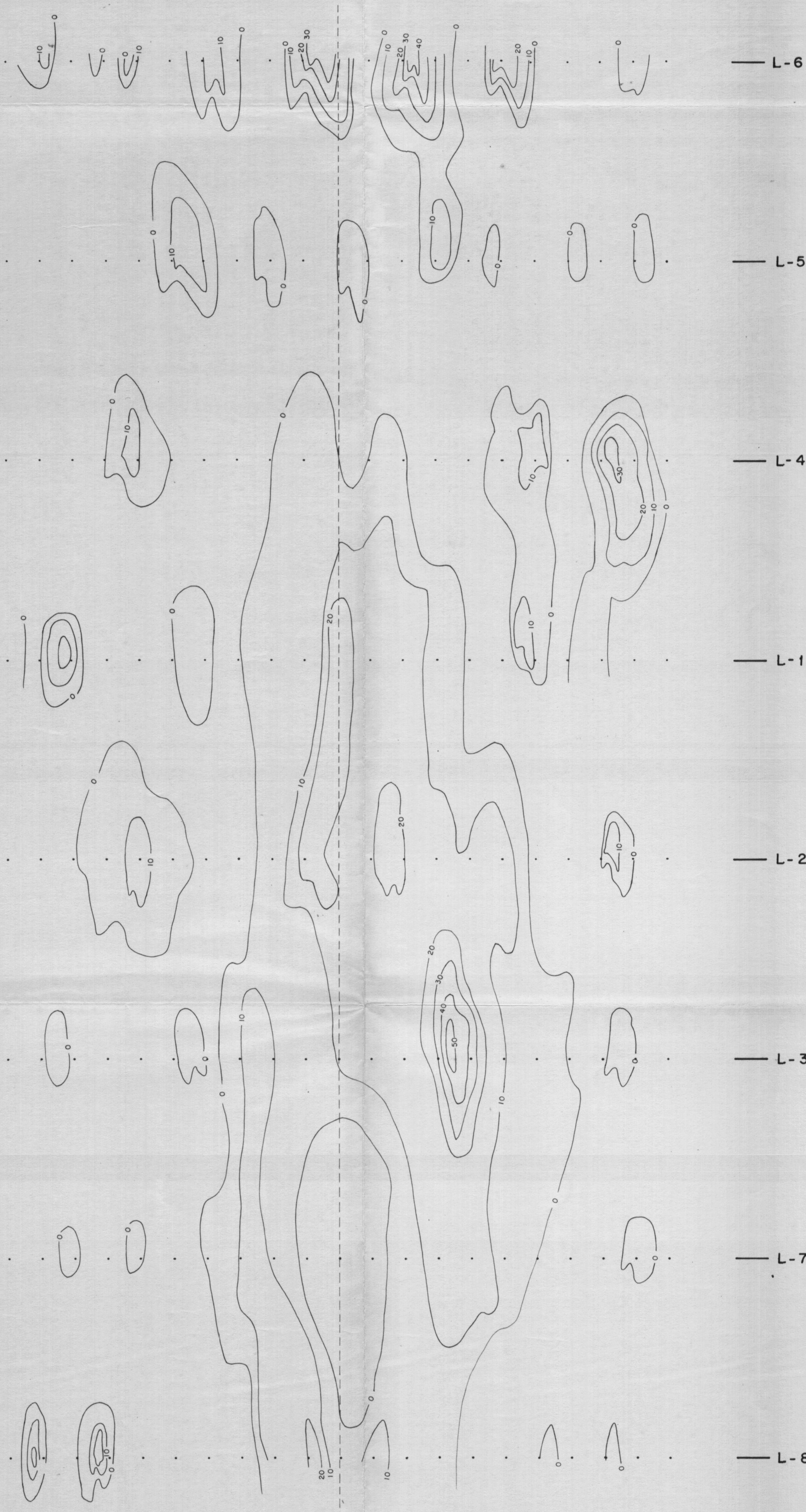




NW

SE

L-B



— L-6

— L-5

— L-4

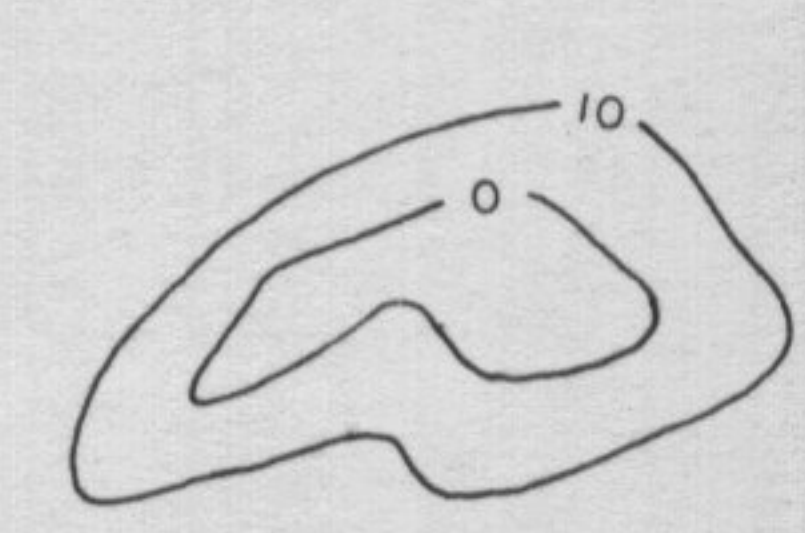
— L-1

— L-2

— L-3

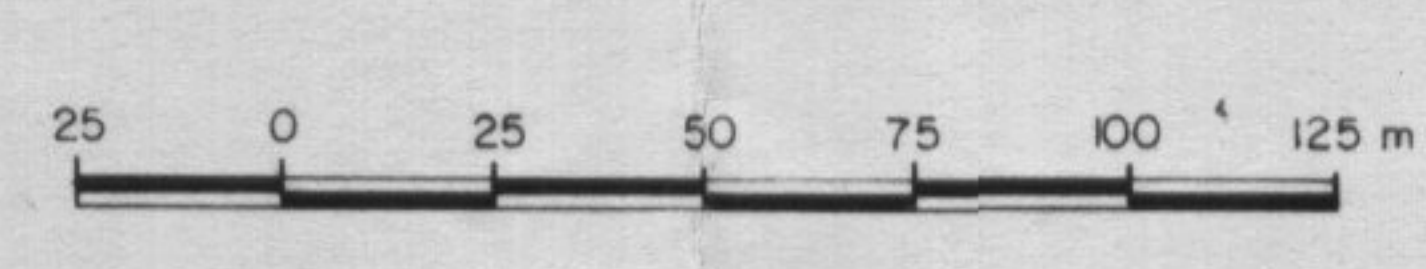
— L-7

— L-8



Intervalo de contôrno

MAPA DE CONTORNO FRASER  
 ÁREA : LEOPOLDINA I



# POLARIZAÇÃO INDUZIDA

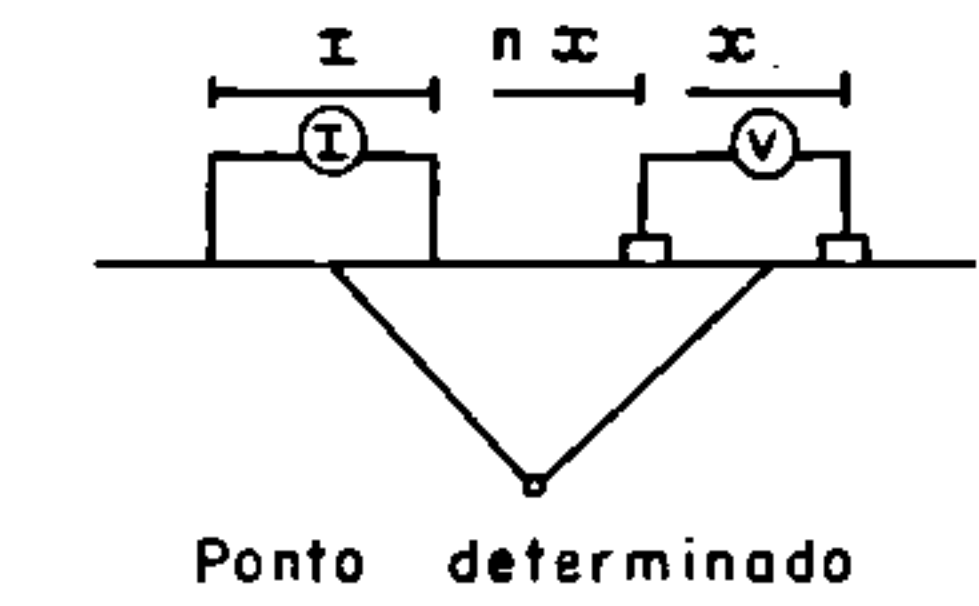
LEOPOLDINA I

PROJETO IRAMAIA

PERFIL: L-01

FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - - - PROVÁVEL



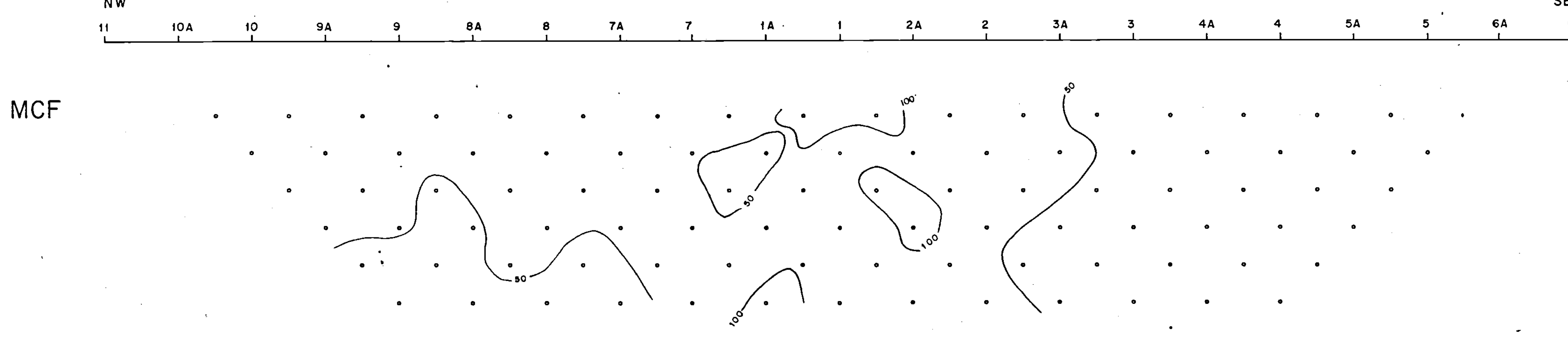
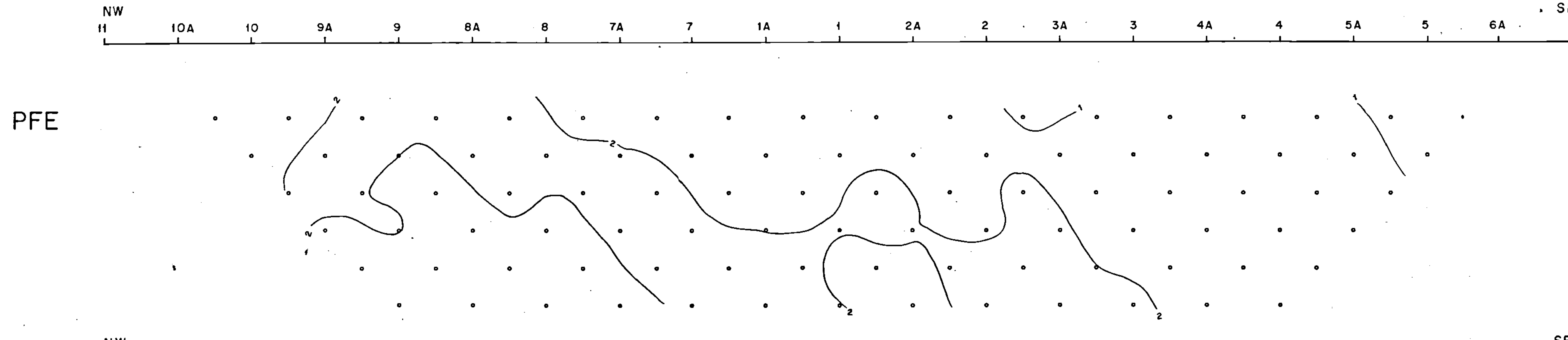
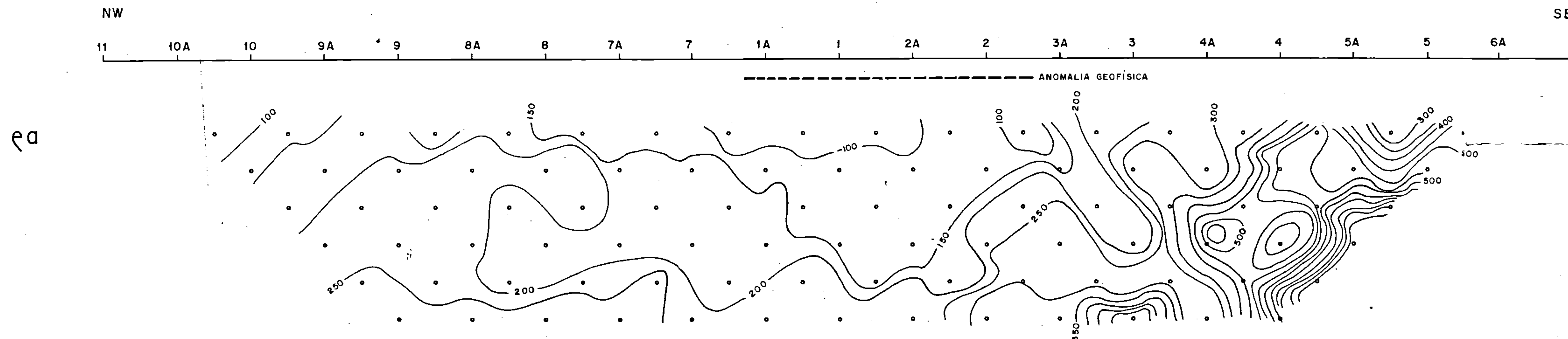
**CPRM**  
 SUREG / SA

PROJETO G.T. MINERAÇÃO BALSAMO

Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

ANEXO XXXVI



ESCALA



# POLARIZAÇÃO INDUZIDA

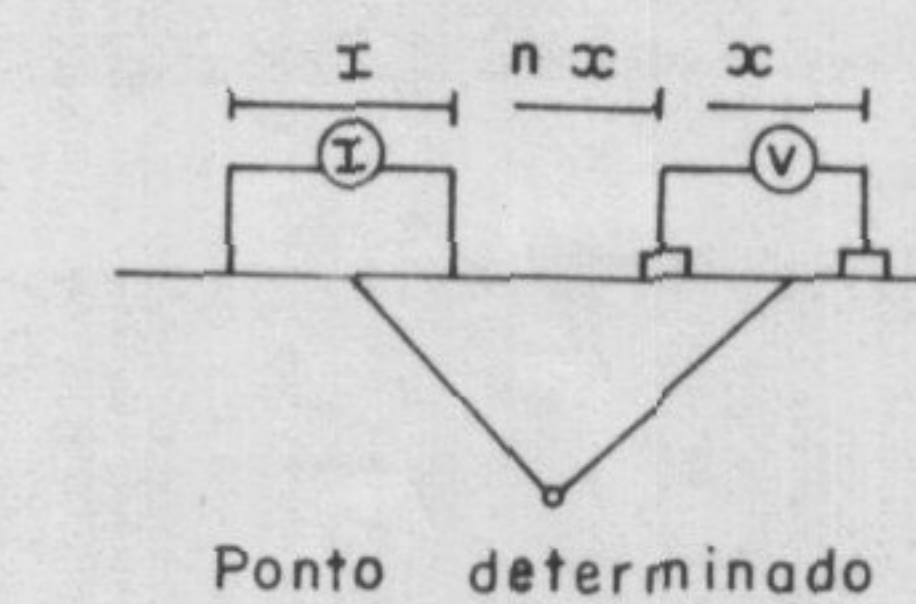
LEOPOLDINA I

PROJETO IRAMAIA

PERFIL : L-03

FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - - - PROVÁVEL



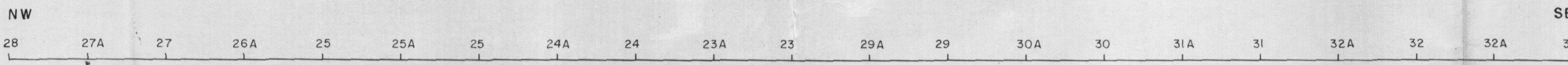
**CPRM**  
 SUREG / SA

PROJETO G.T. MINERAÇÃO BALSAMO

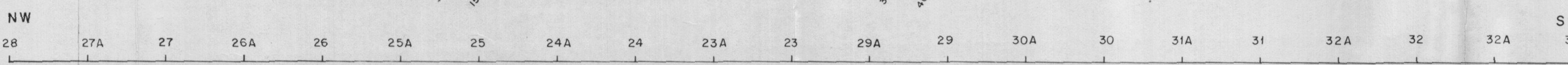
Técnico responsável

GEOF. Paulo Eduardo L. da Silva (CPRM)

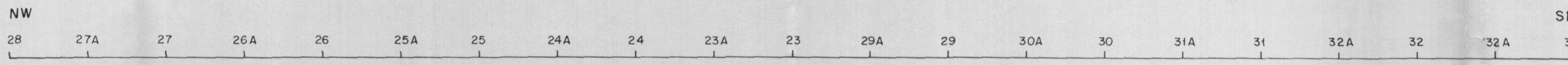
ANEXO XXXVII



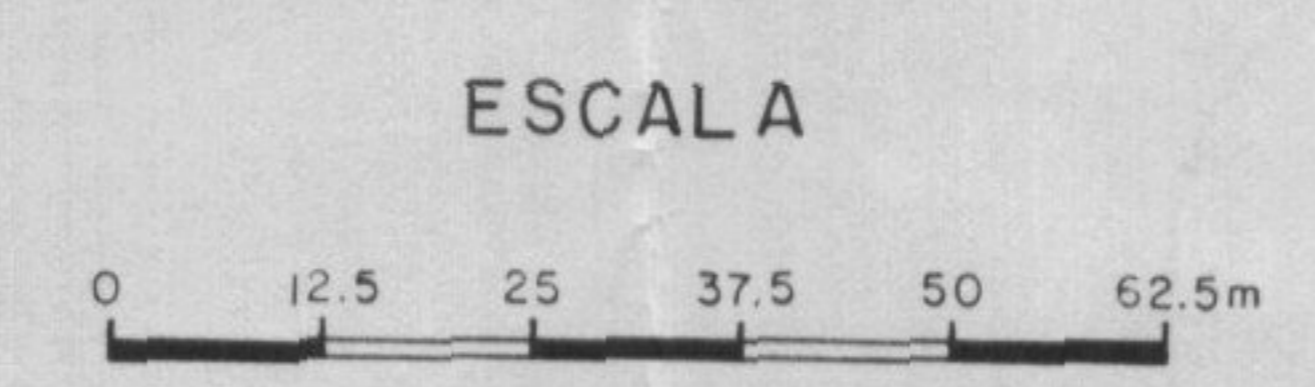
ea



PFE



MCF



COMPANHIA DE PESQUISA DE RECURSOS MINERAIS

POLARIZAÇÃO INDUZIDA

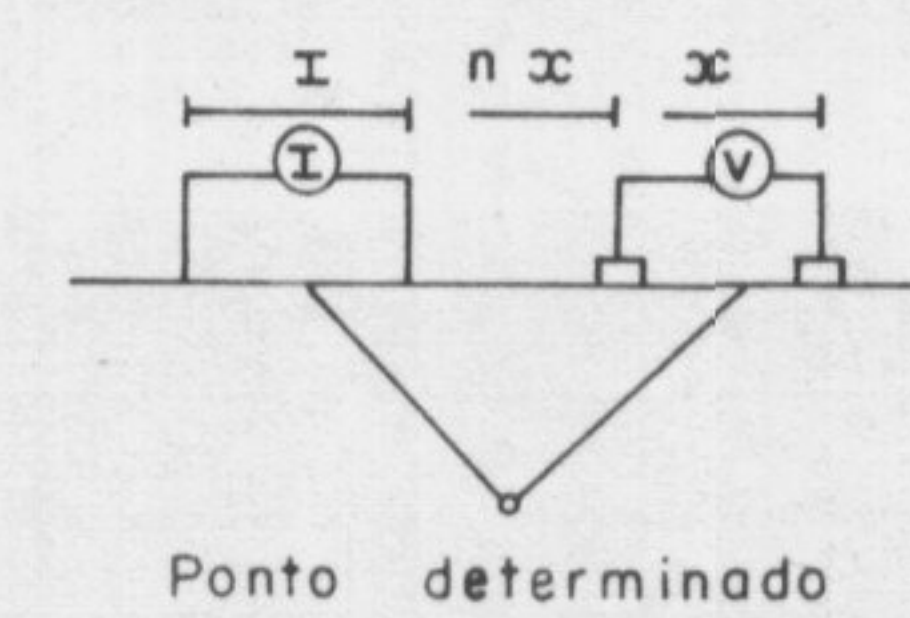
LEOPOLDINA I

PROJETO IRAMAIA

PERFIL : L-05

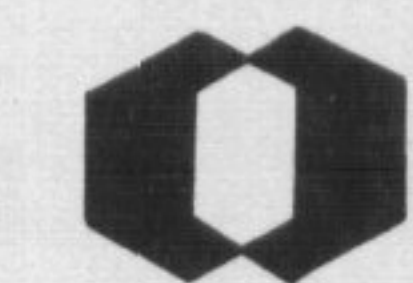
FREQUÊNCIA — 2.5 e 0.3 hz

CONFIGURAÇÃO DOS ELETRODOS



ANOMALIA DE I.P.

— DEFINIDA  
 - - - PROVÁVEL



CPRM  
 SUREG / SA

PROJETO G.T. MINERAÇÃO BALSAMO

Técnico responsável

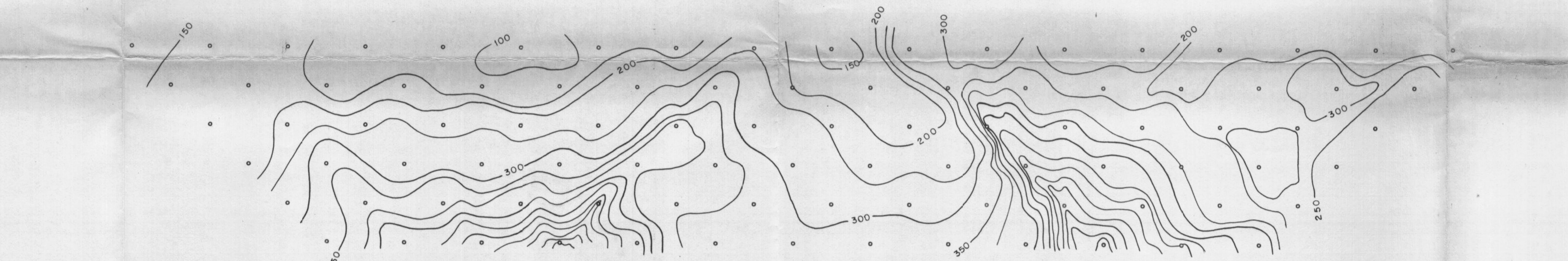
GEOF. Paulo Eduardo L. da Silva (CPRM)

ANEXO XXXVIII

NW 50 49A 49 48A 48 47A 47 46A 46 45A 45 51A 51 52A 52 53A 53 54A 54 55A 55 SE

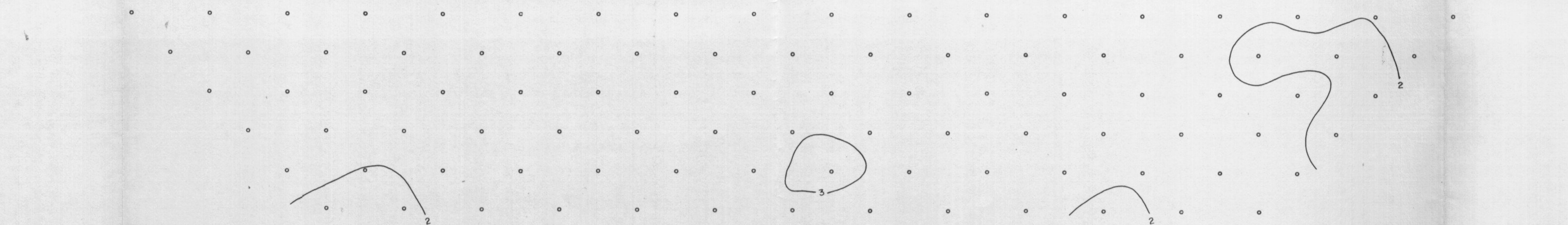
ANOMALIA GEOFÍSICA

ea



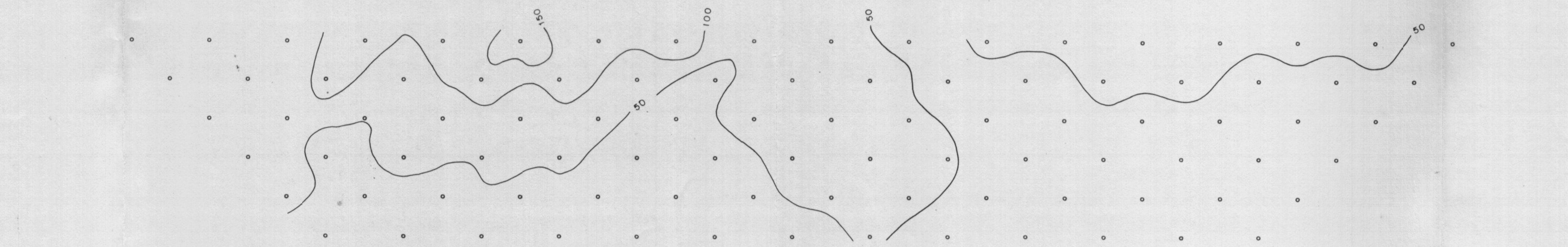
NW 50 49A 49 48A 48 47A 47 46A 46 45A 45 51A 51 52A 52 53A 53 54A 54 55A 55 SE

PFE

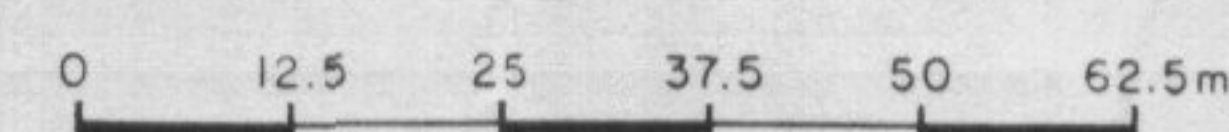


NW 50 49A 49 48A 48 47A 47 46A 46 45A 45 51A 51 52A 52 53A 53 54A 54 55A 55 SE

MCF

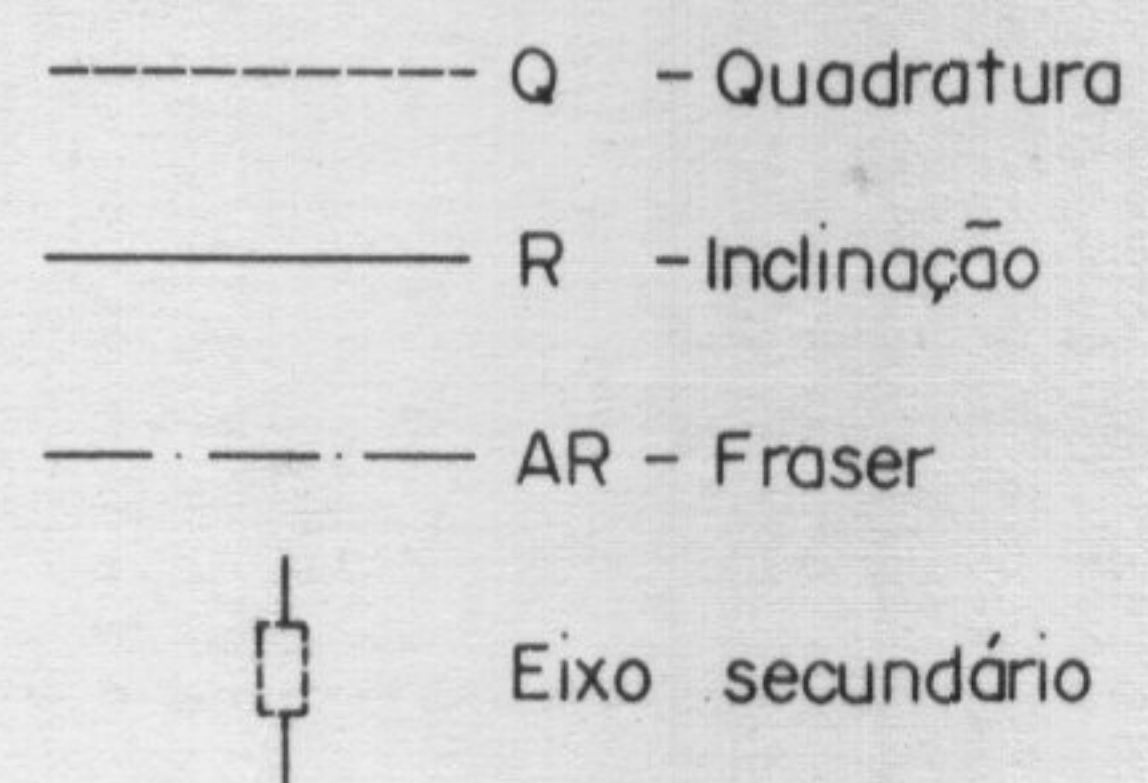
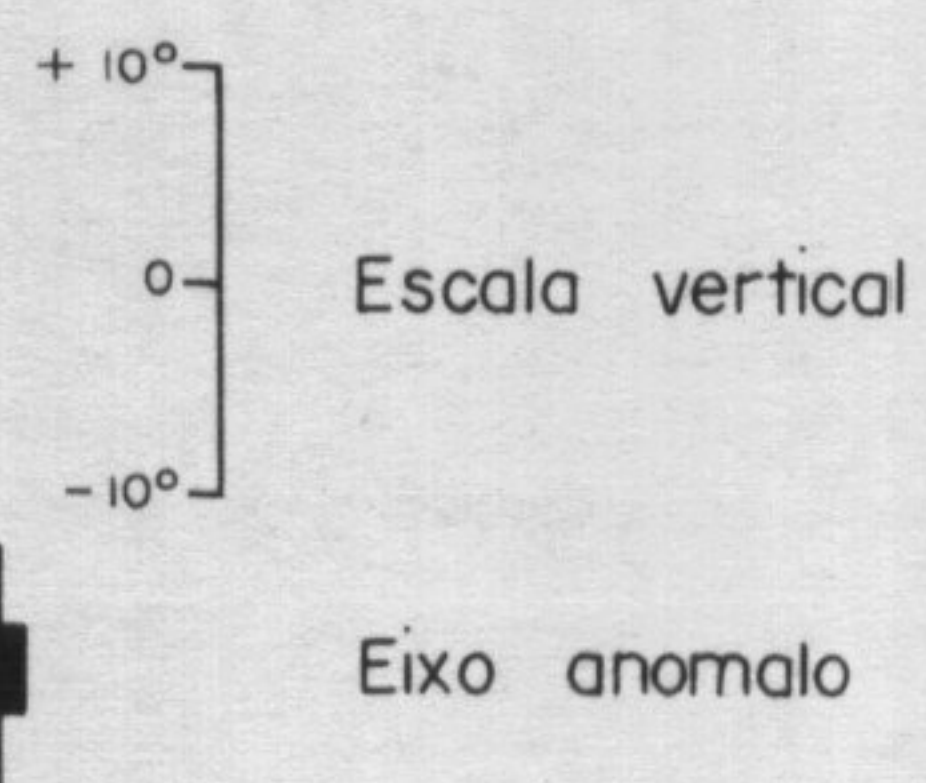
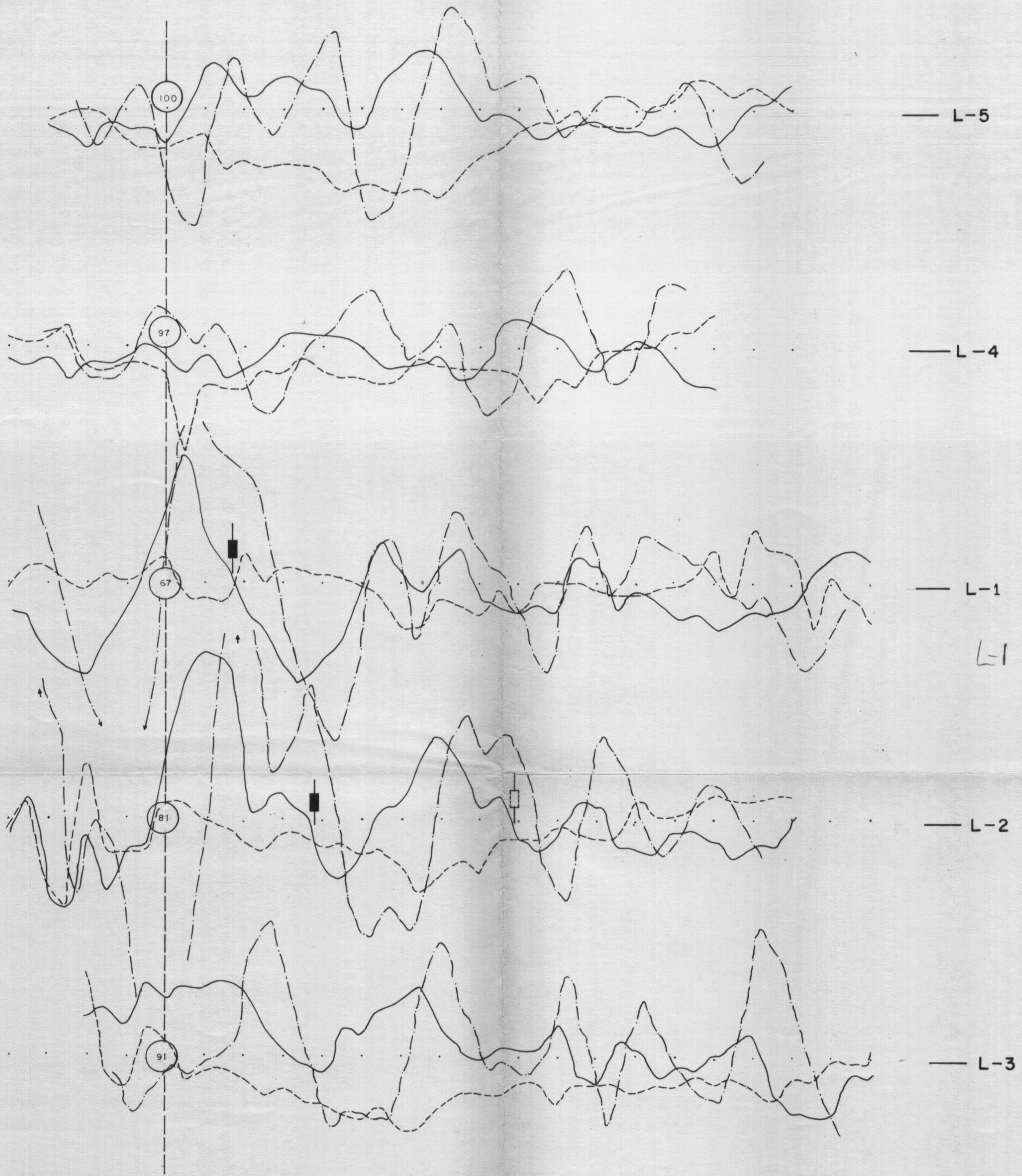


ESCALA



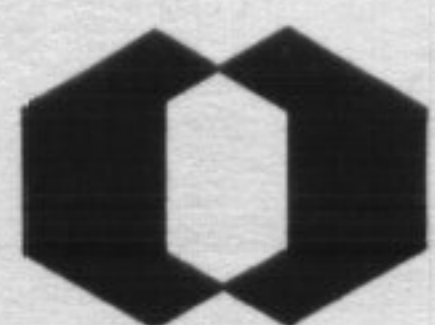
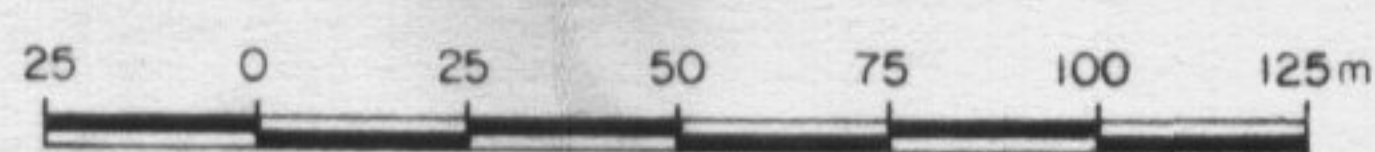
SW

NE



### PERFIS DE VLF

ÁREA : LEOPOLDINA II



CONVÊNIO - CPRM  
Mineração Bálsamo

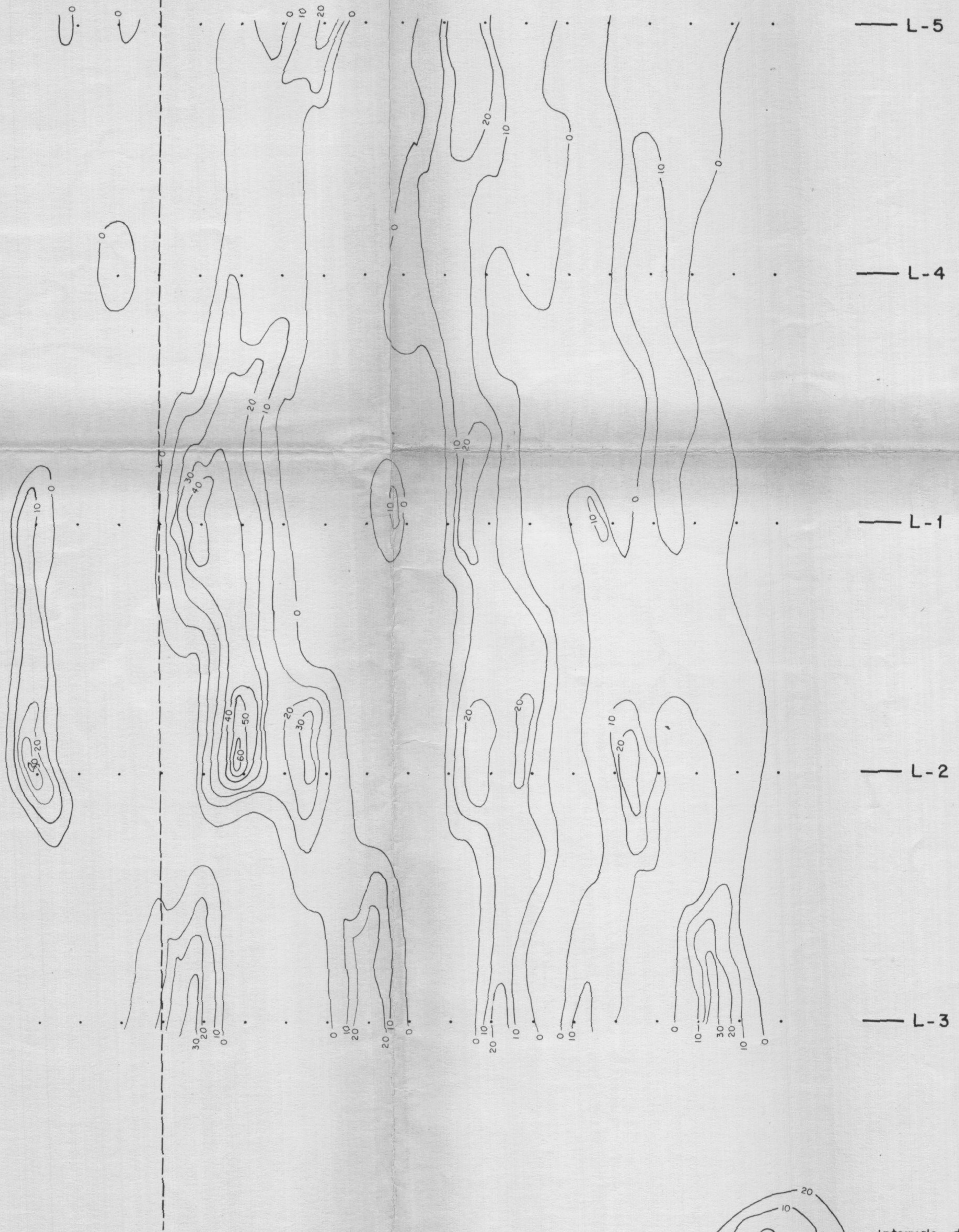
1981

Téc. Responsável : Paulo Eduardo

NW

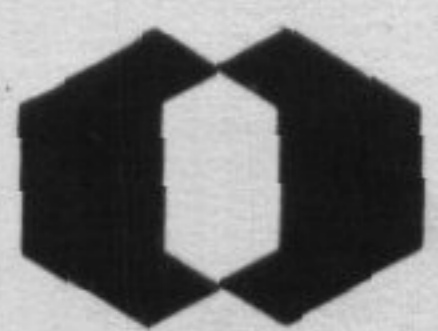
SE

LB

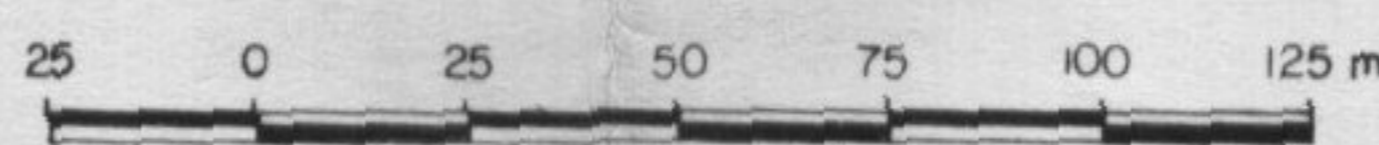


# MAPA DE CONTORNO FRASER

ÁREA : LEOPOLDINA II



CONVÊNIO - CPRM  
Mineração Báltamo



1981

Téc. Responsável : Paulo Eduardo

ANEXO XL