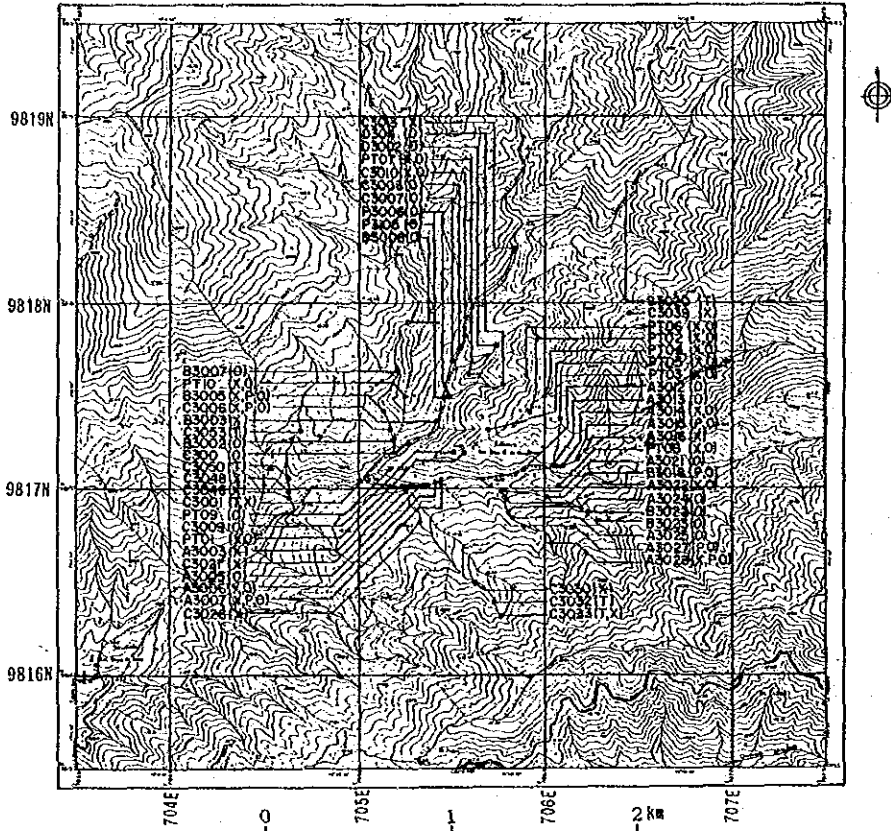


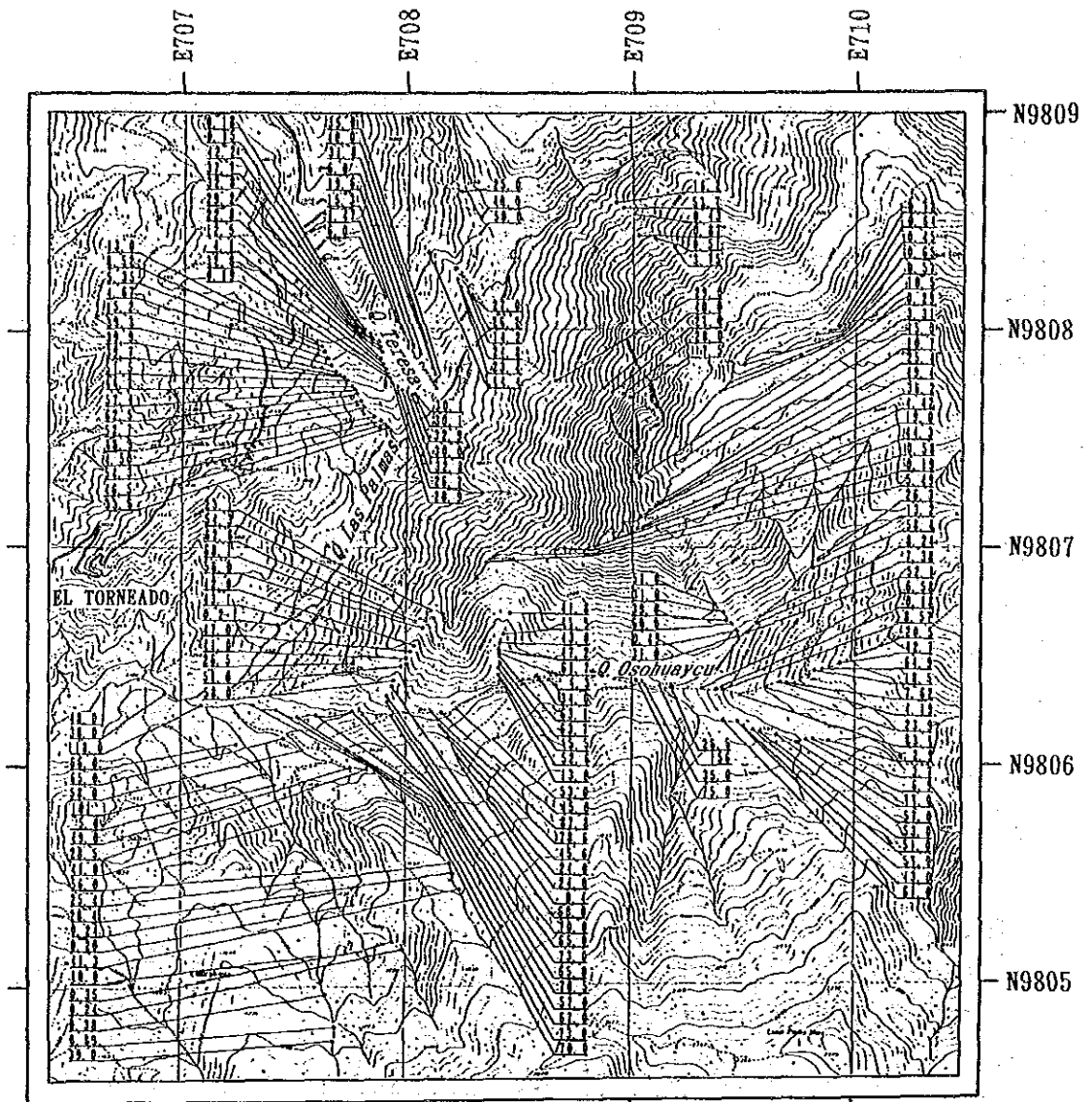
TELIBELA



LOCATION MAP OF THE SAMPLES TESTED IN THE TELIBELA ARE

Fig.A-2

Distribution map of the measured magnetic
susceptibility



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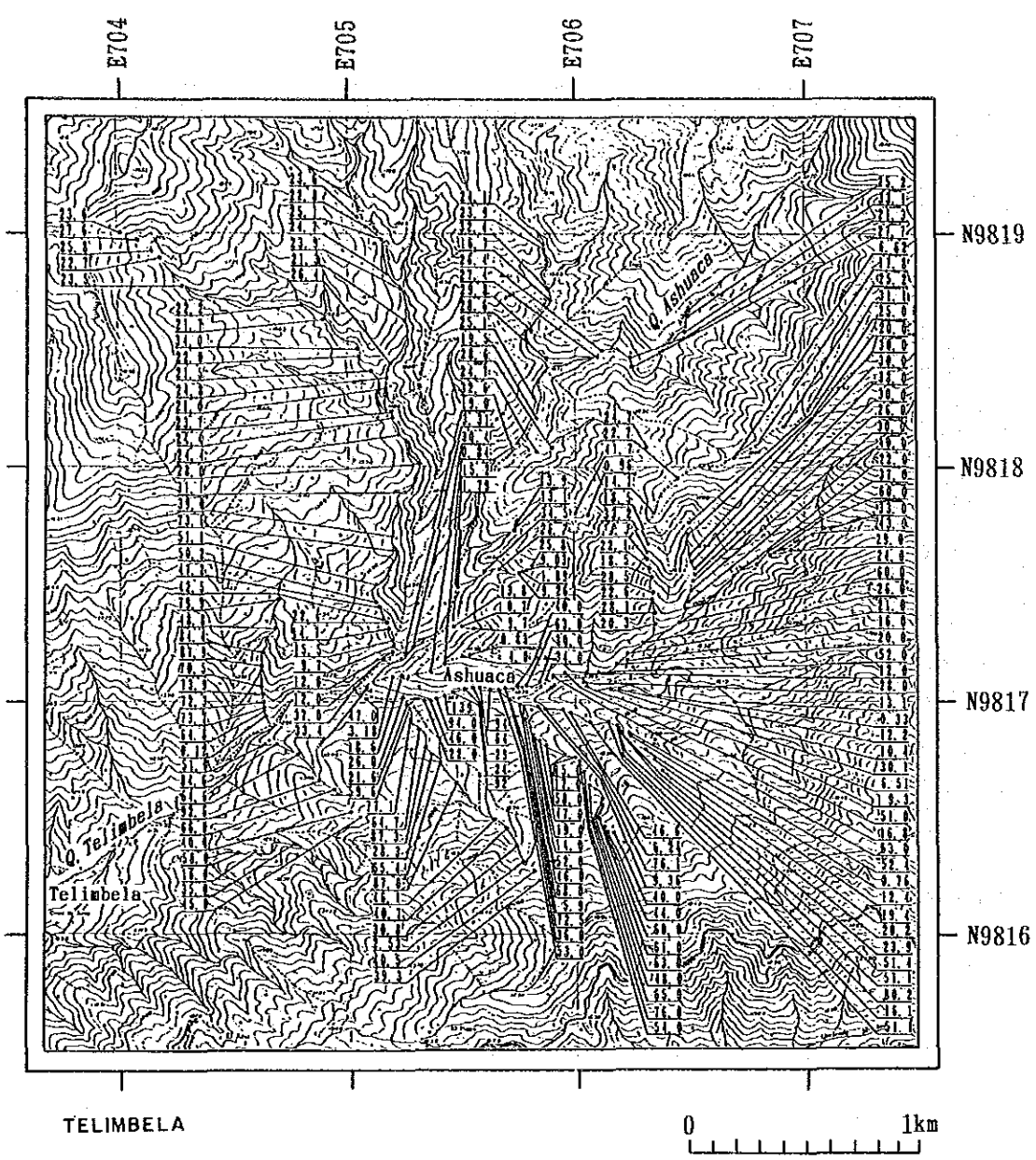
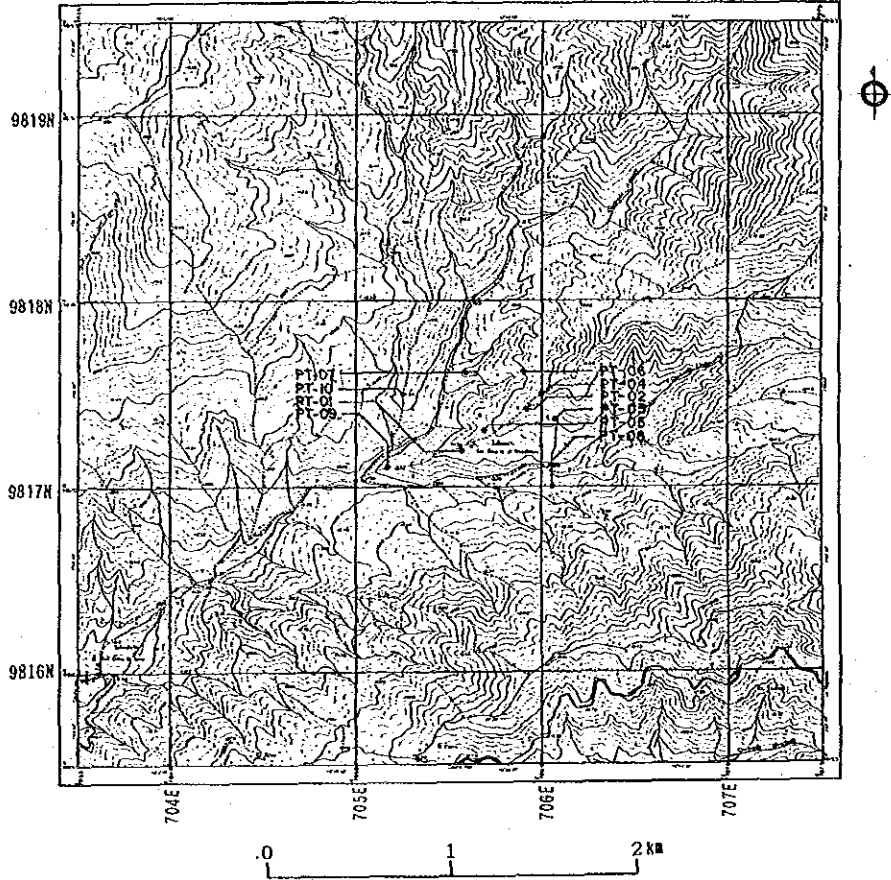
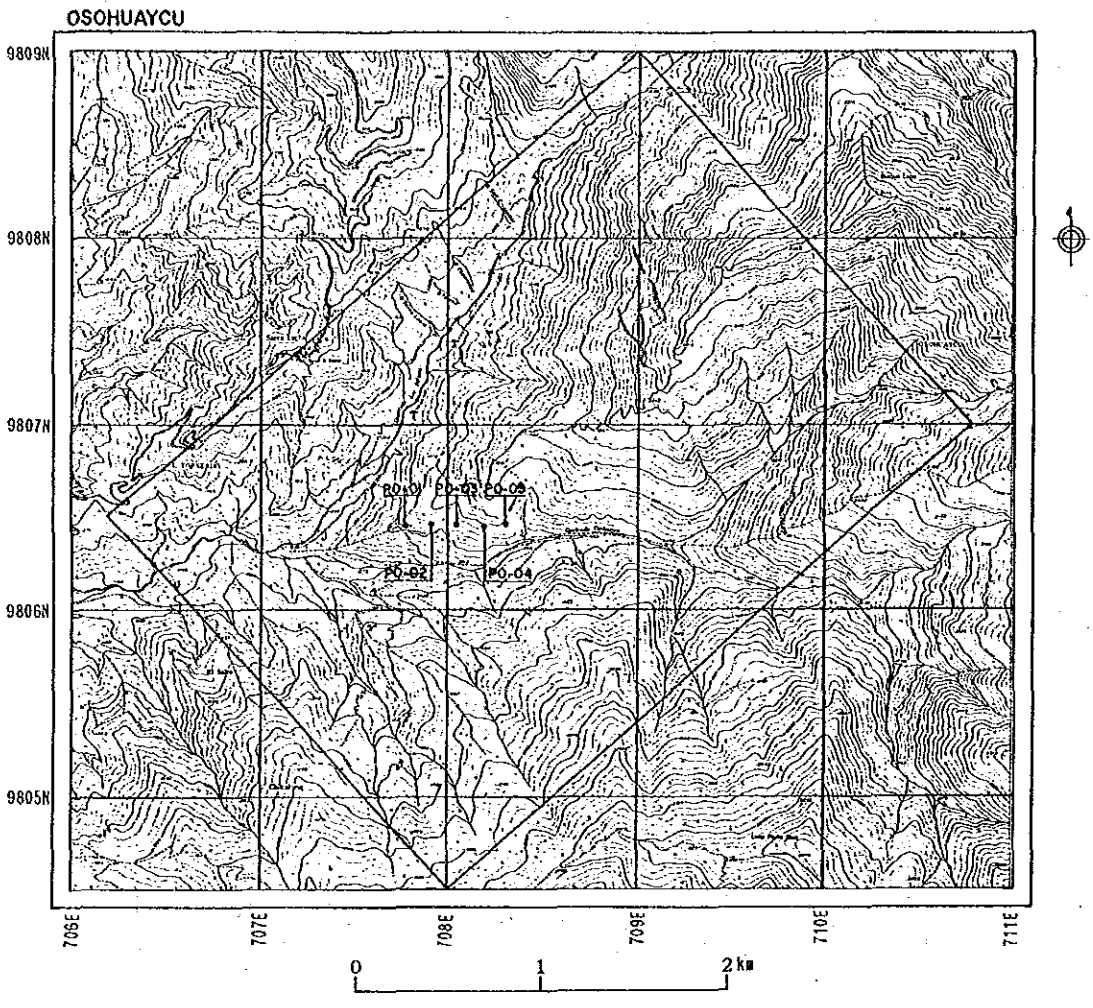


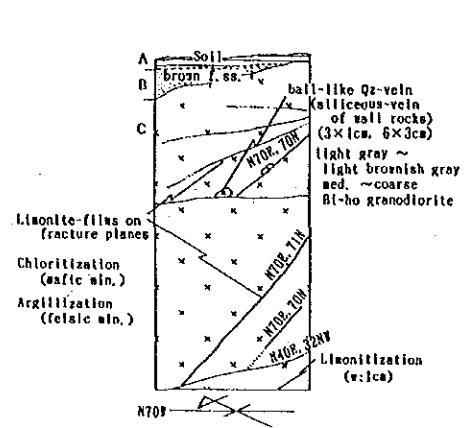
Fig.A-3

Location map of the pits tested

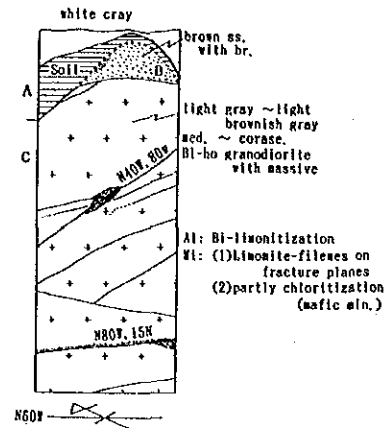
TELIMBELA



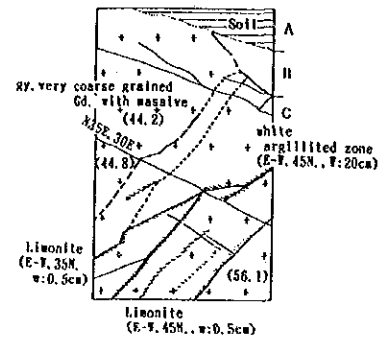




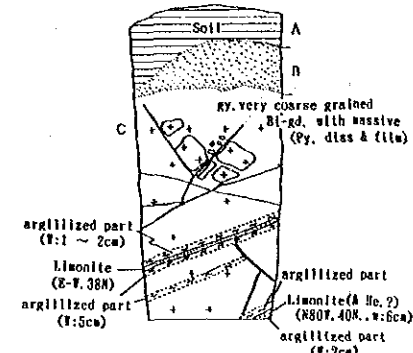
PO-01



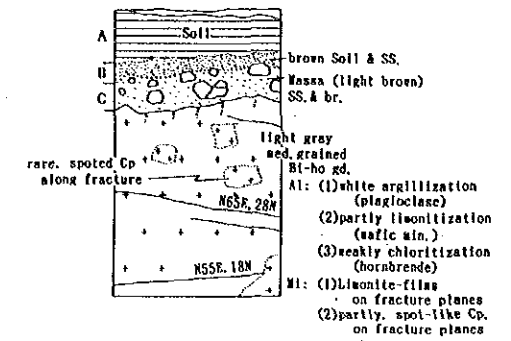
PO-02



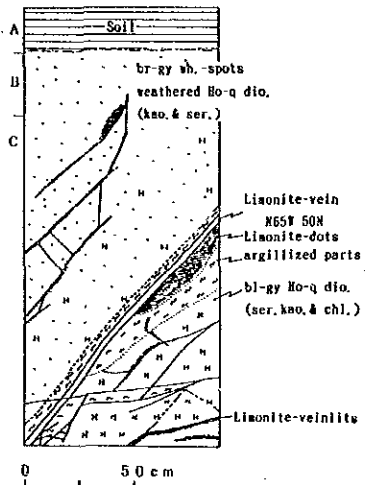
PO-03



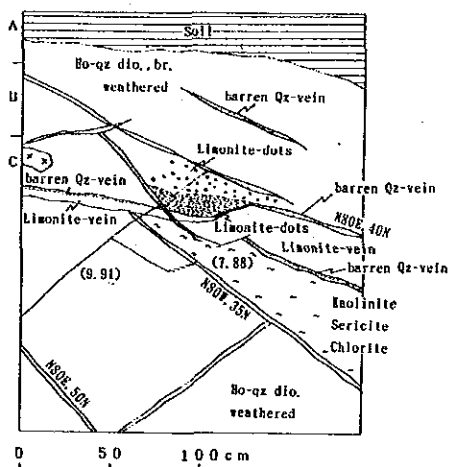
PO-04



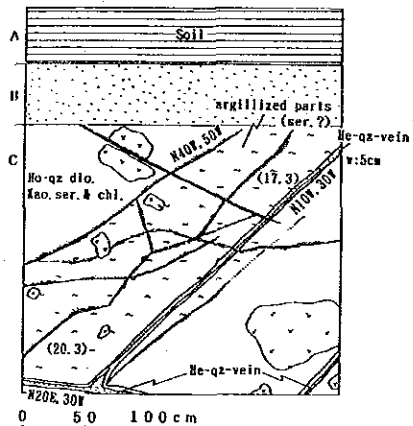
PO-05



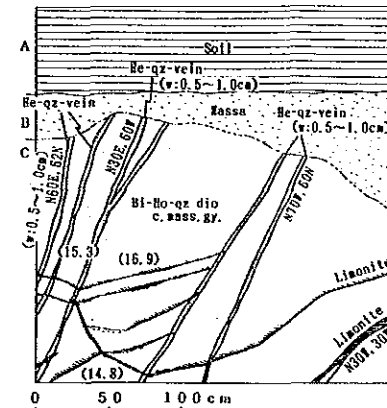
PT-01



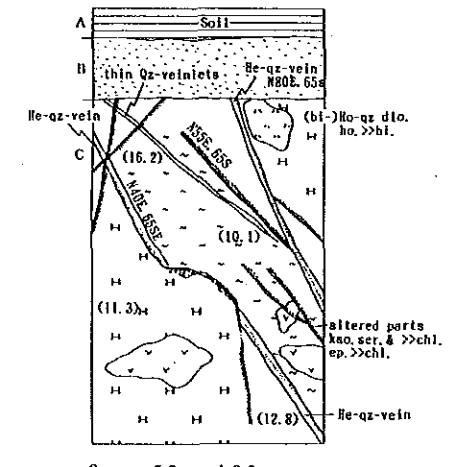
PT-02



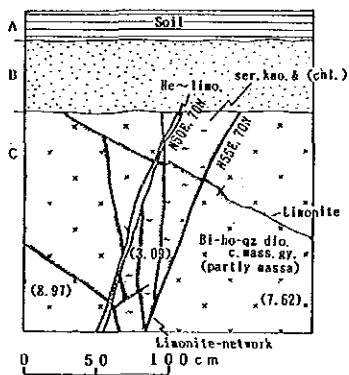
PT-03



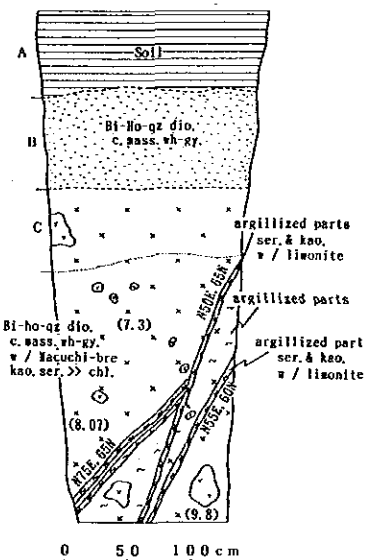
PT-04



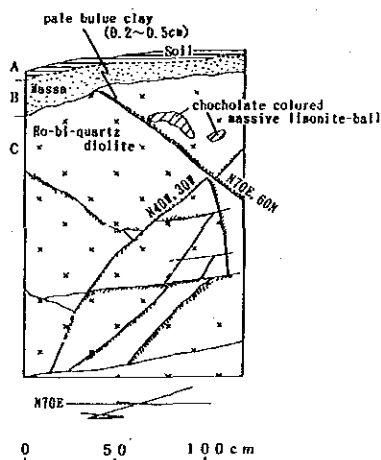
PT-05



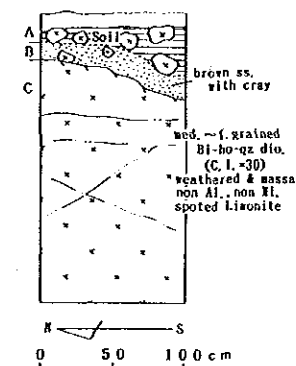
PT-06



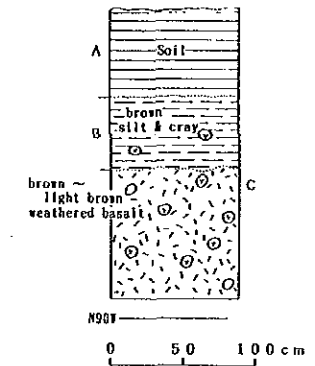
PT-07



PT-08



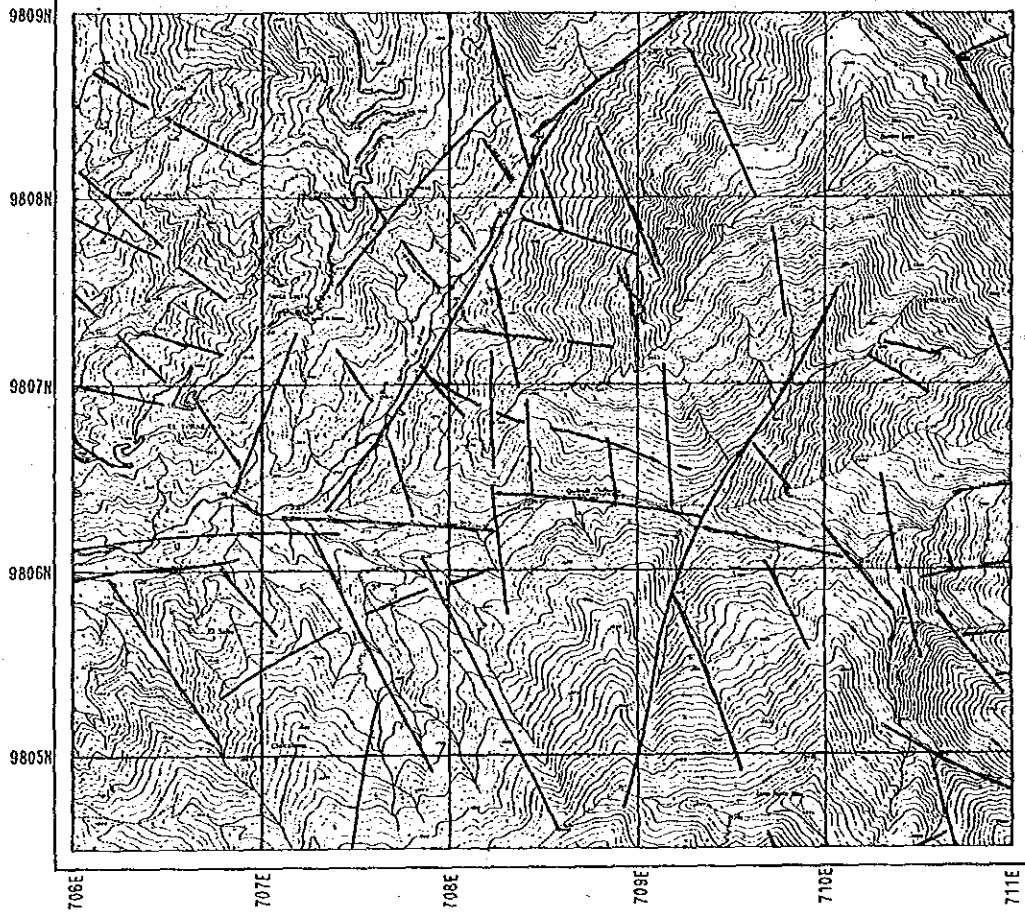
PT-09



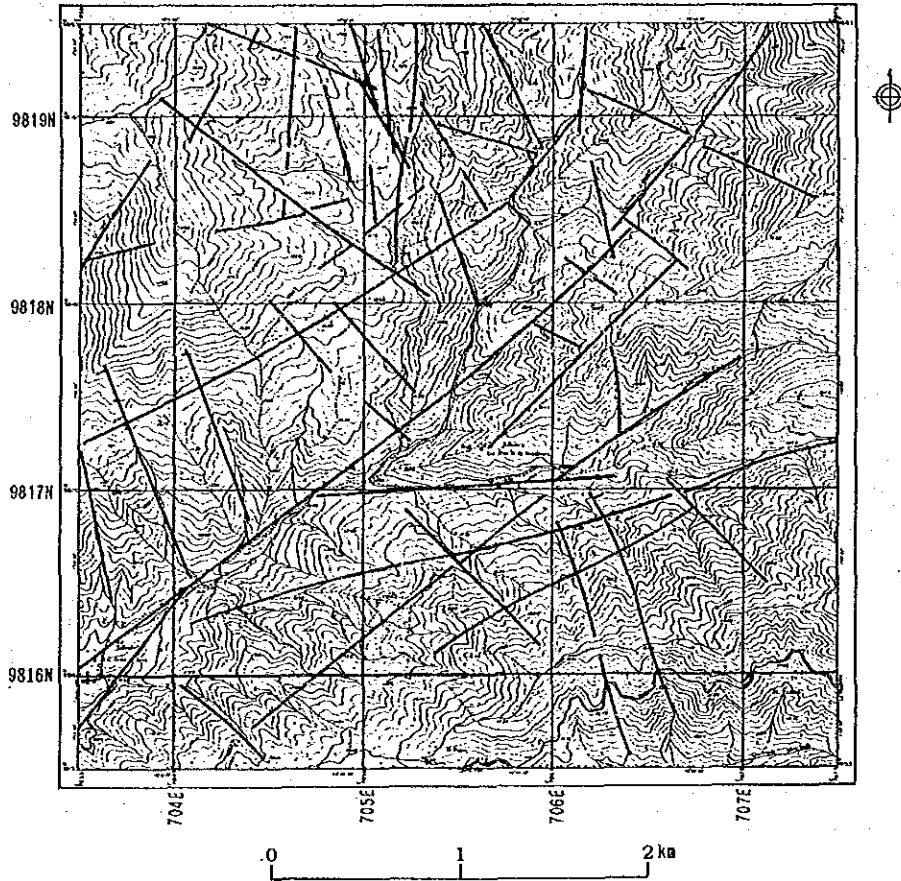
PT-10

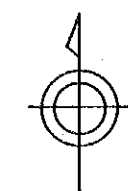
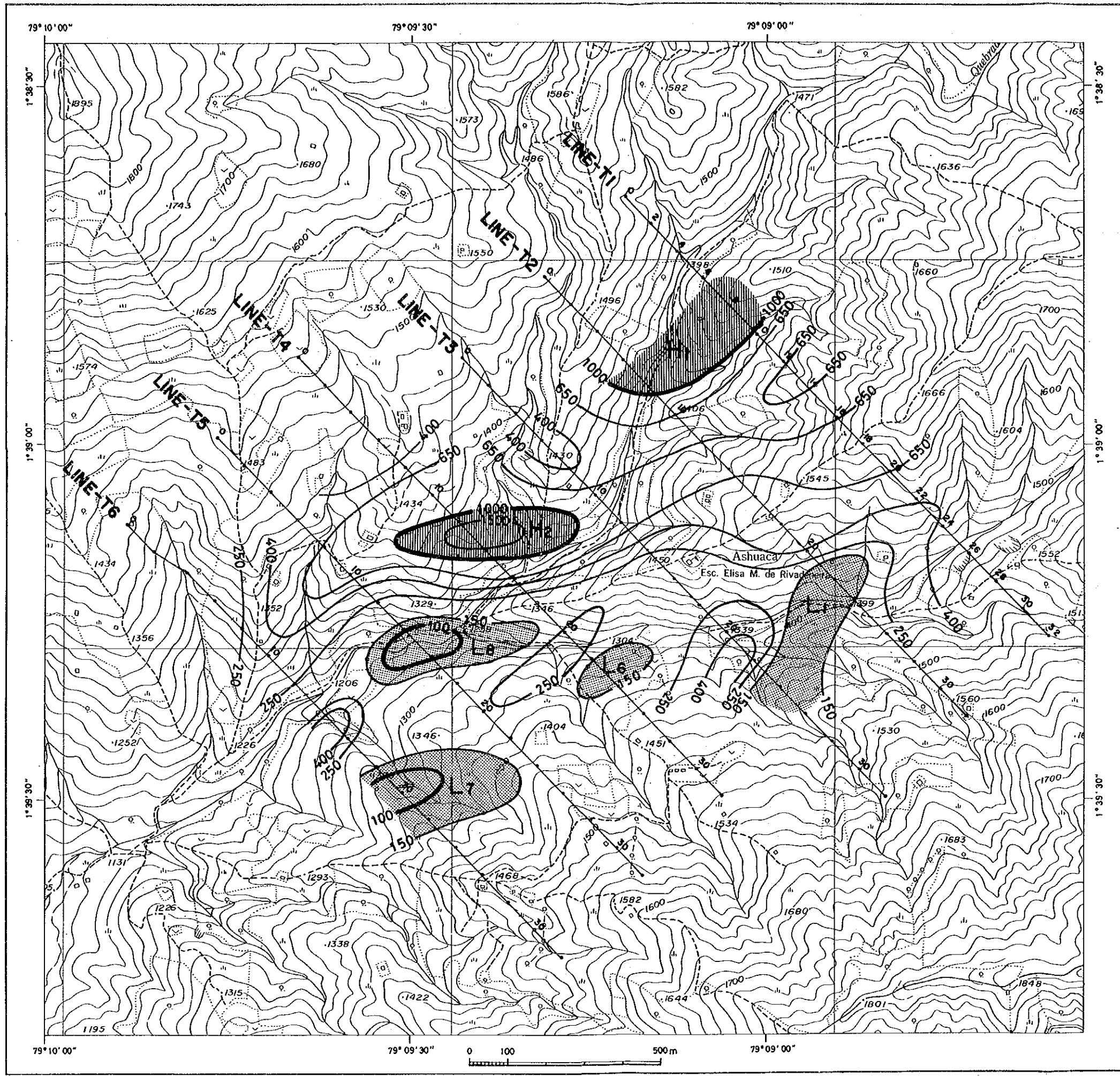
Fig.A-5 Interpretation map of lineaments on aerial
photograph

OSOHUAYCU



TELIMBELA





LEGEND


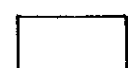

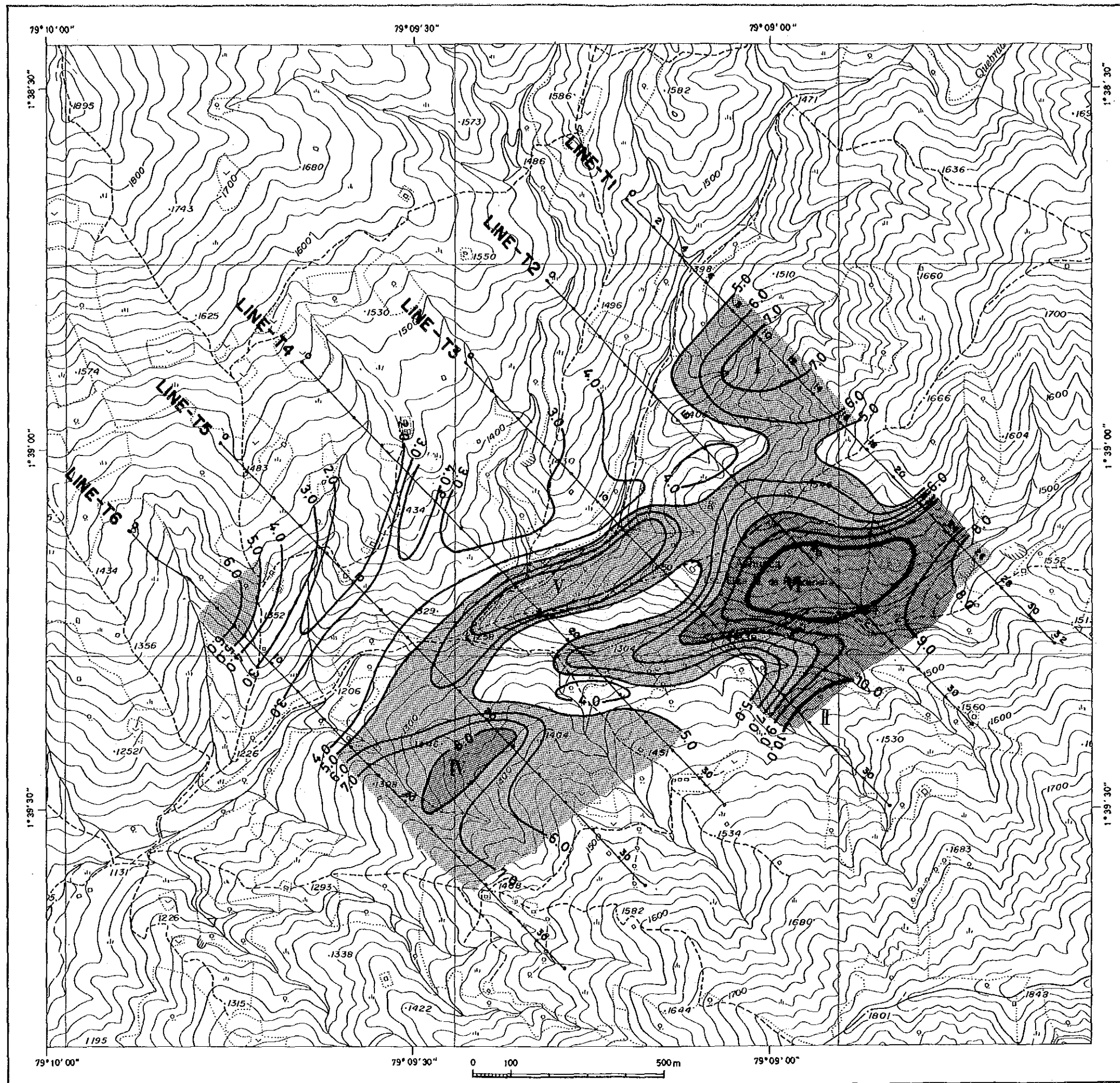
-  $1,000 \leq \rho_a$
 -  $150 \leq \rho_a < 1,000$
 -  $\rho_a < 150$
- UNIT: $\Omega \cdot m$

Fig.A-6 Apparent resistivity plan map (n=5) of the Telimbela area



LEGEND




-  8.0 ≧ PFE
 -  5.0 ≧ PFE < 8.0
 -  PFE < 5.0
- UNIT : %

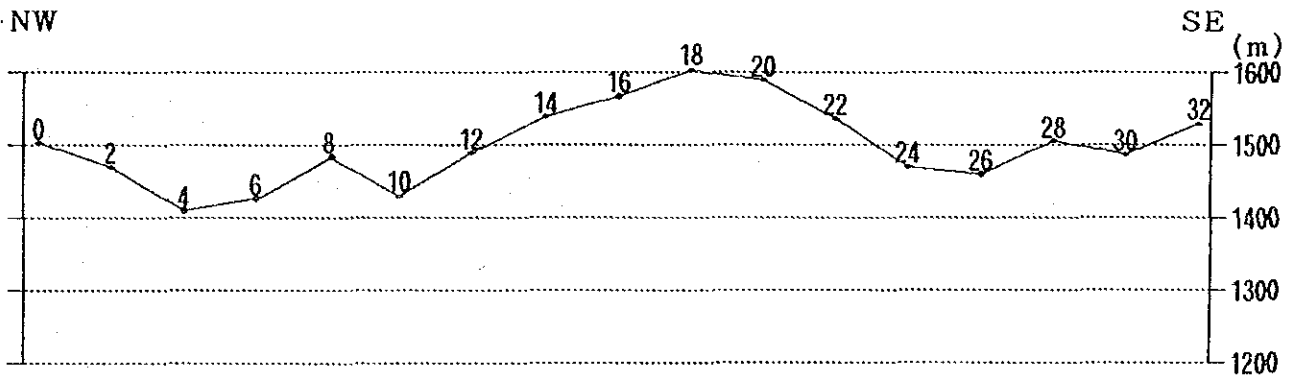
Fig.A-7 Frequency effect plan map (n=5) of the Telimbela area

PSEUDO SECTION OF IP SURVEY

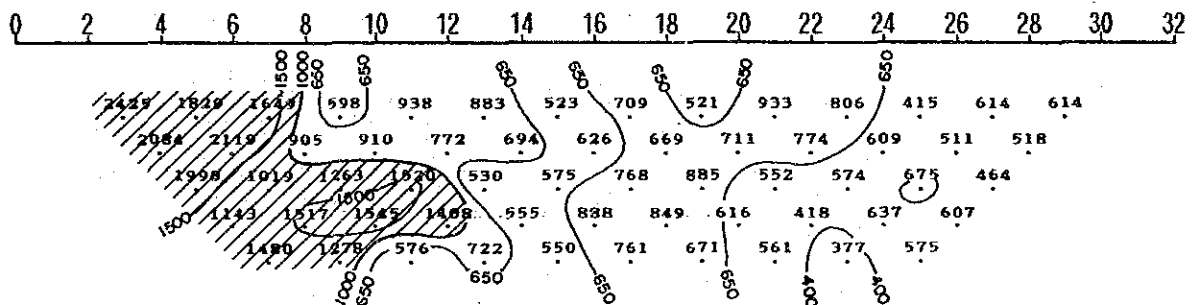
TELIMBELA AREA, BOLIVAR, ECUADOR

LINE T-1

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

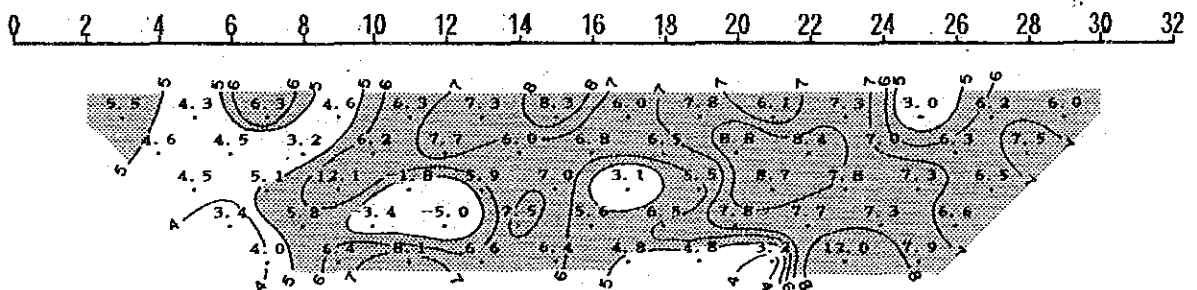


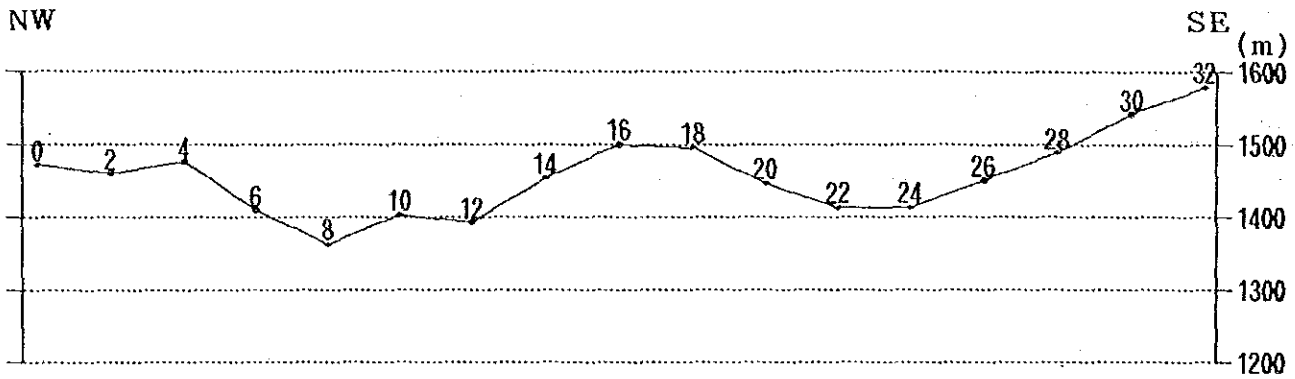
Fig.A-8-1 Pseudo-section of lines T-1 of the Telimbela area

PSEUDO SECTION OF IP SURVEY

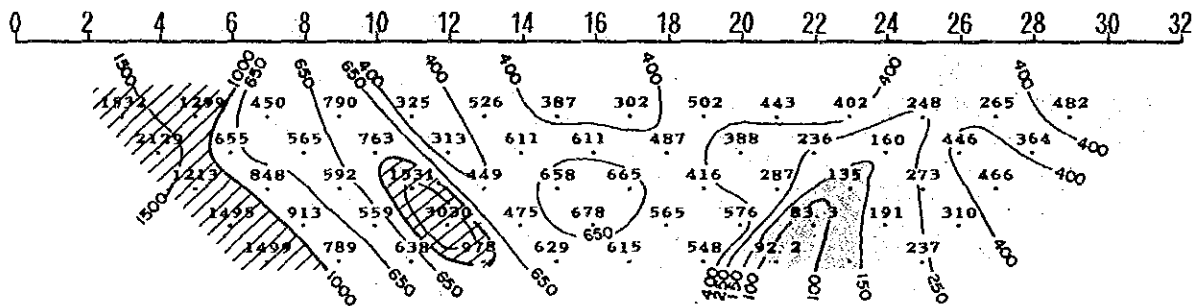
TELIMBELA AREA, BOLIVAR, ECUADOR

LINE T-2

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

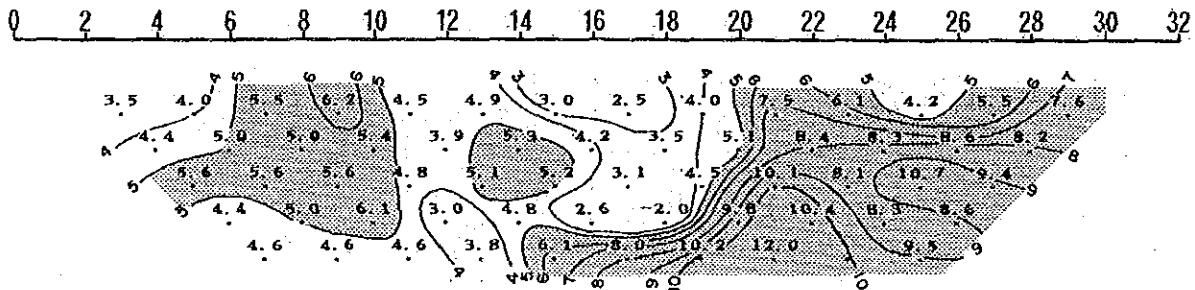


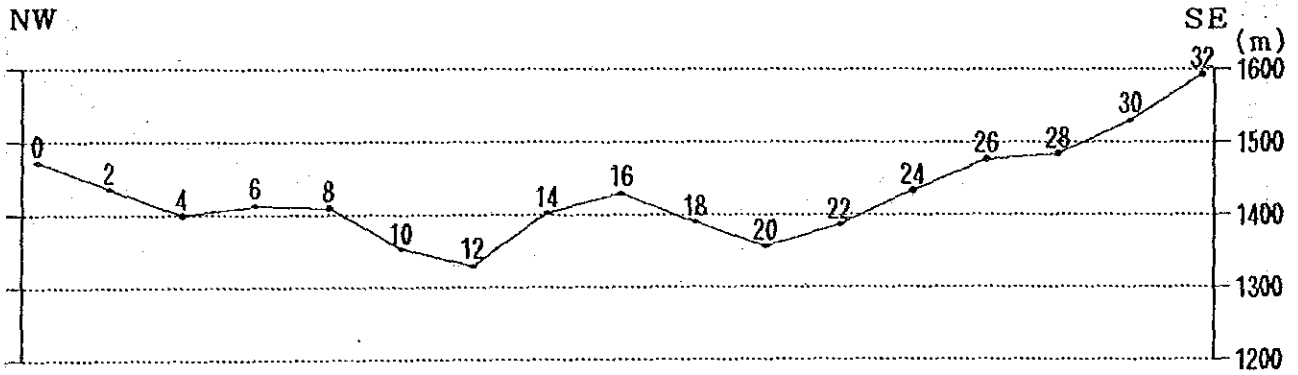
Fig.A-8-2 Pseudo-section of lines T-2 of the Telimbela area

PSEUDO SECTION OF IP SURVEY

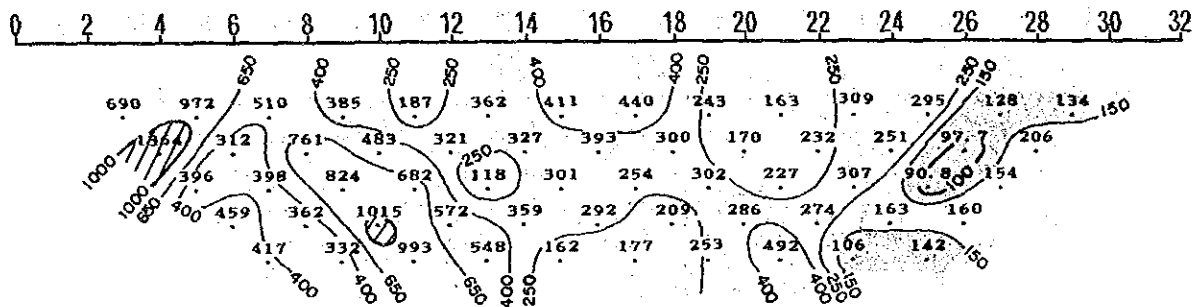
TELIMBELA AREA, BOLIVAR, ECUADOR

LINE T-3

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

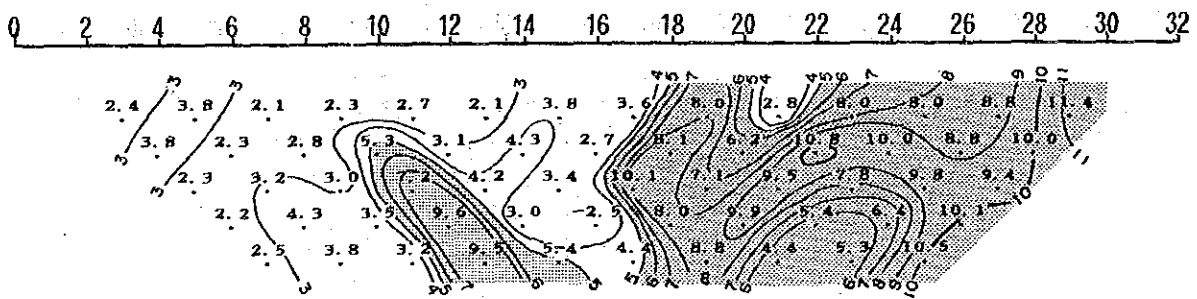


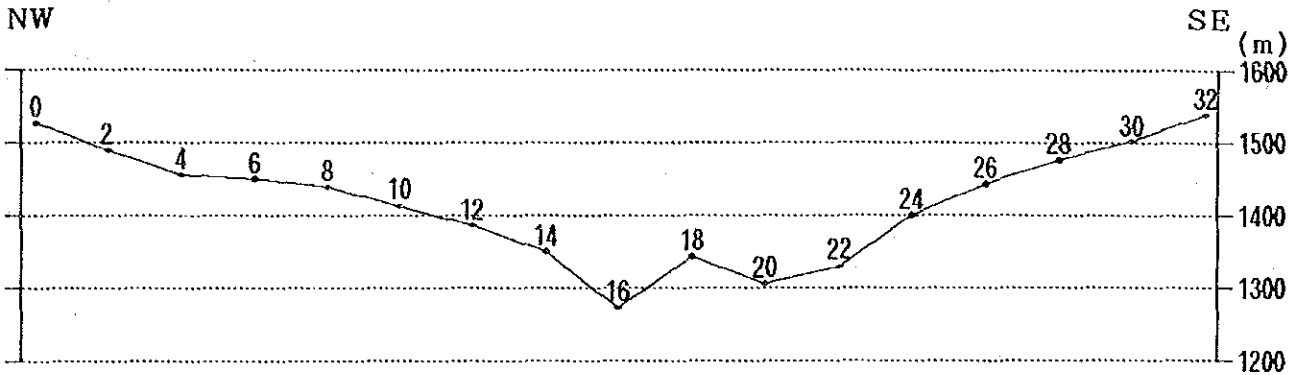
Fig.A-8-3 Pseudo-section of lines T-3 of the Telimbela area

PSEUDO SECTION OF IP SURVEY

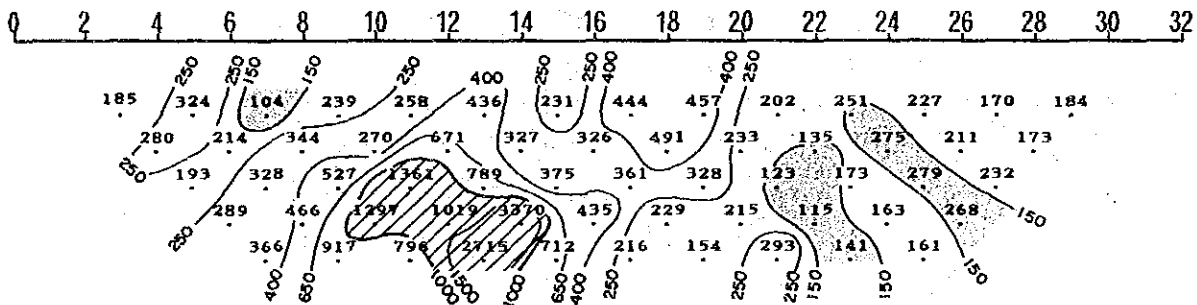
TELIBELA AREA, BOLIVAR, ECUADOR

LINE T-4

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

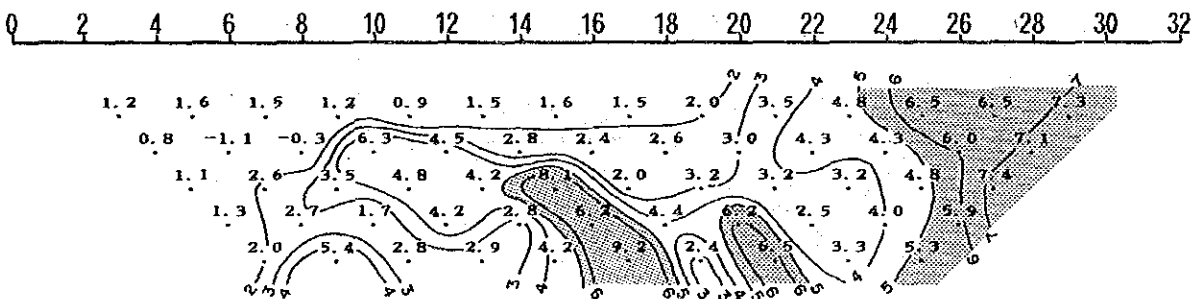


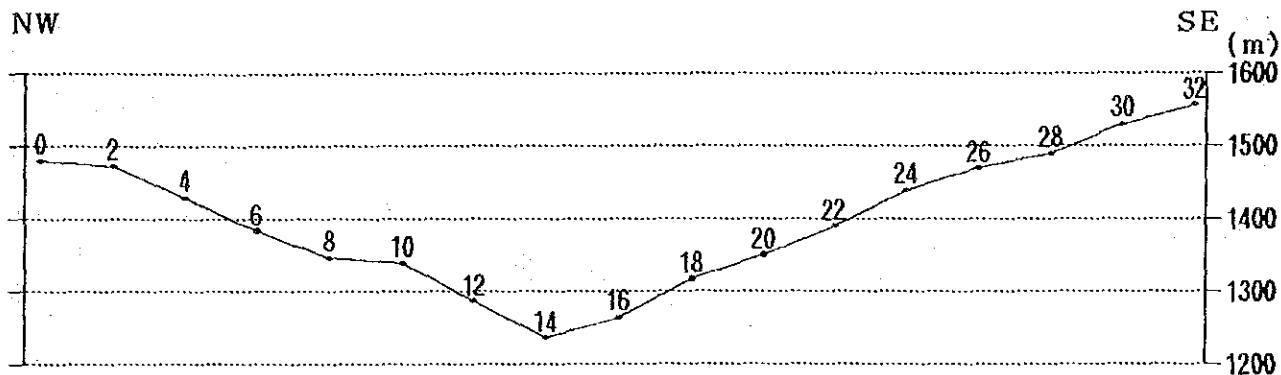
Fig.A-8-4 Pseudo-section of lines T-4 of the Telimbela area

PSEUDO SECTION OF IP SURVEY

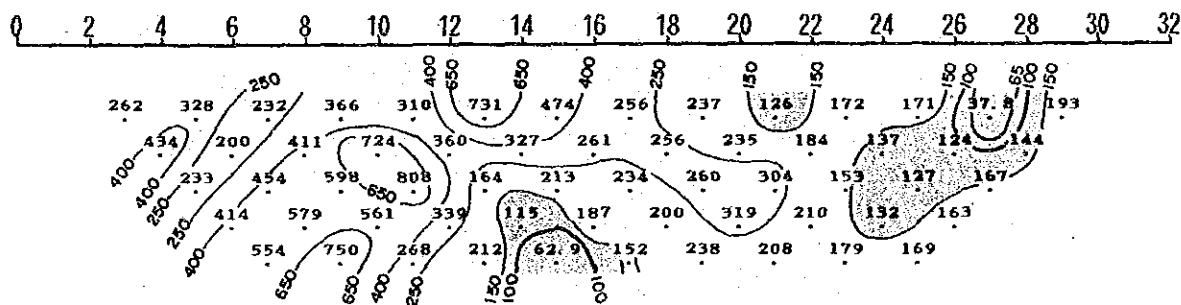
TELIMBELA AREA, BOLIVAR, ECUADOR

LINE T-5

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

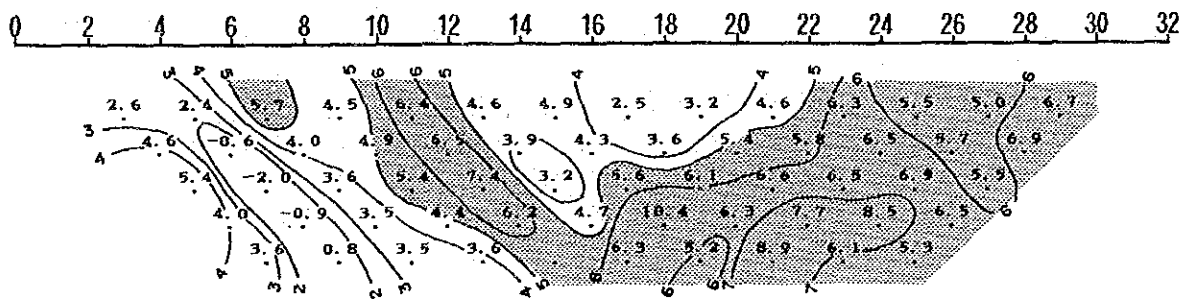


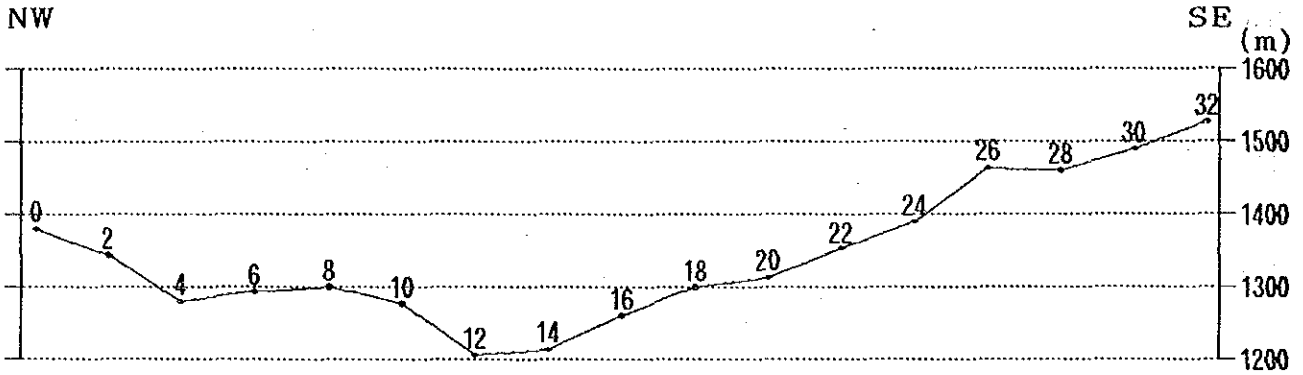
Fig.A-8-5 Pseudo-section of lines T-5 of the Telimbela area

PSEUDO SECTION OF IP SURVEY

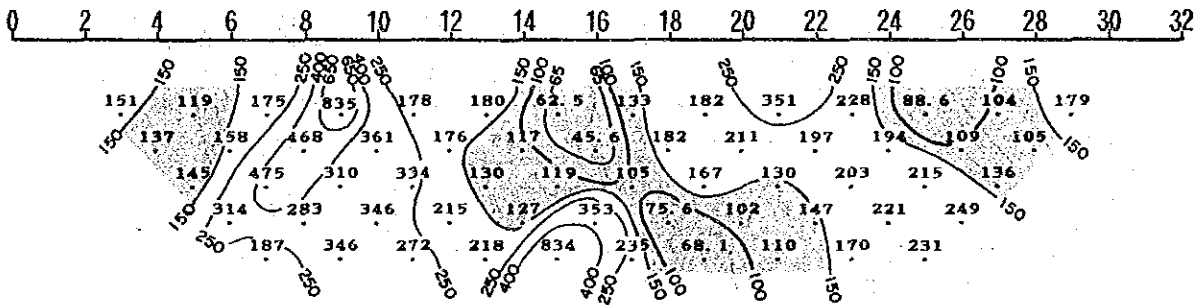
TELIBELA AREA, BOLIVAR, ECUADOR

LINE T-6

TOPOGRAPHICAL SECTION (m)



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

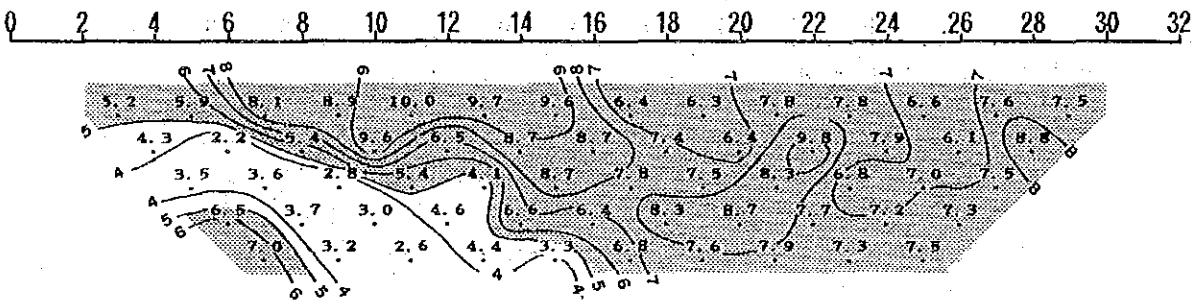
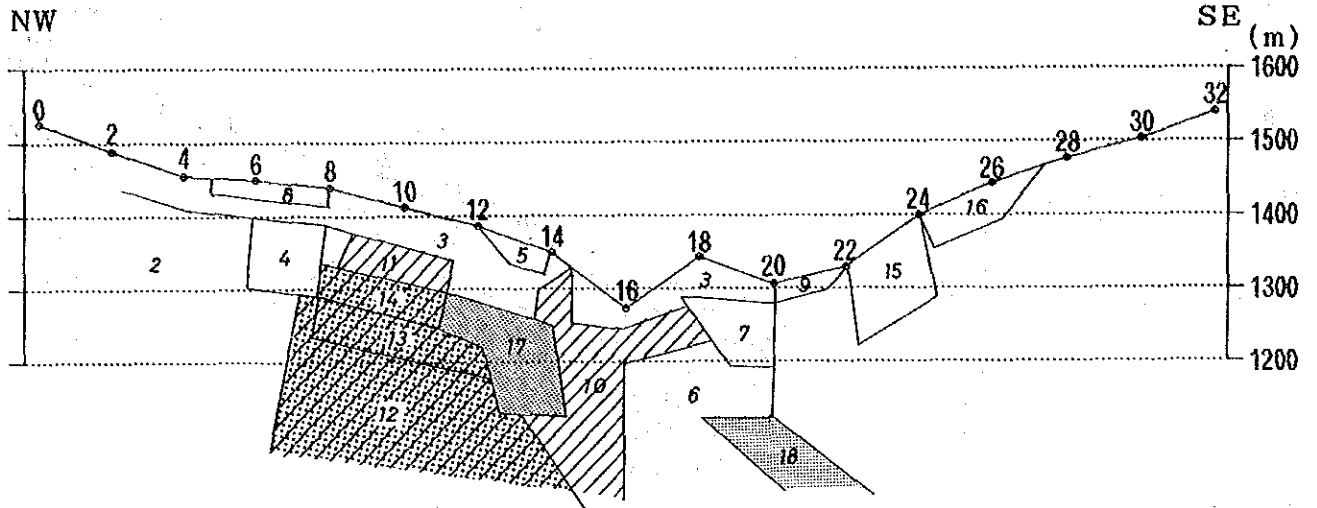


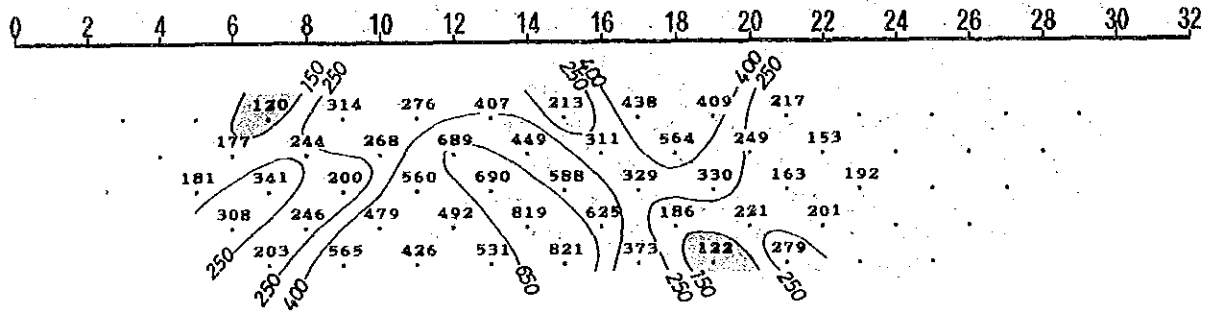
Fig.A-8-6 Pseudo-section of lines T-6 of the Telimbela area

ASSUMED MODEL

CODE NUMBER :	1	2	3	4	5	6	7	8	9
RESISTIVITY (ohm-m) :	200.0	400.0	230.0	30.00	100.0	300.0	500.0	500.0	350.0
P. F. E. (%) :	4.00	1.50	.800	1.50	1.50	1.50	1.80	2.00	2.80
CODE NUMBER :	10	11	12	13	14	15	16	17	18
RESISTIVITY (ohm-m) :	1000.	1500.	8000.	4000.	2000.	200.0	100.0	200.0	200.0
P. F. E. (%) :	2.50	2.80	5.00	20.0	25.0	5.00	5.50	13.0	20.0



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

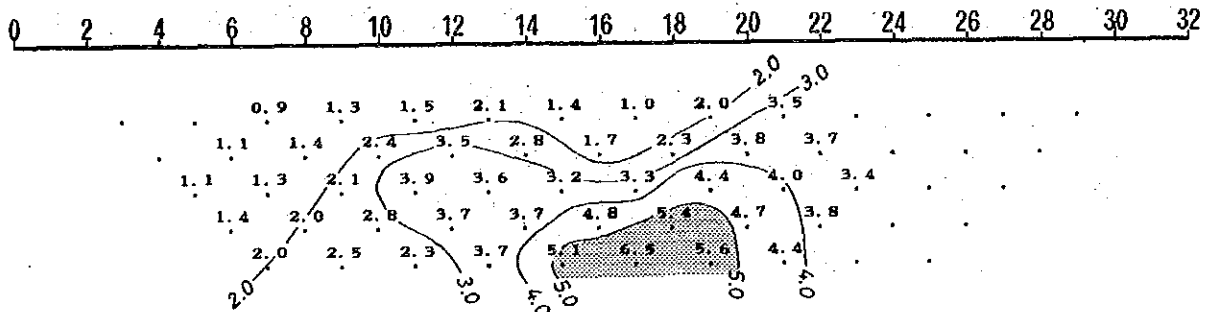
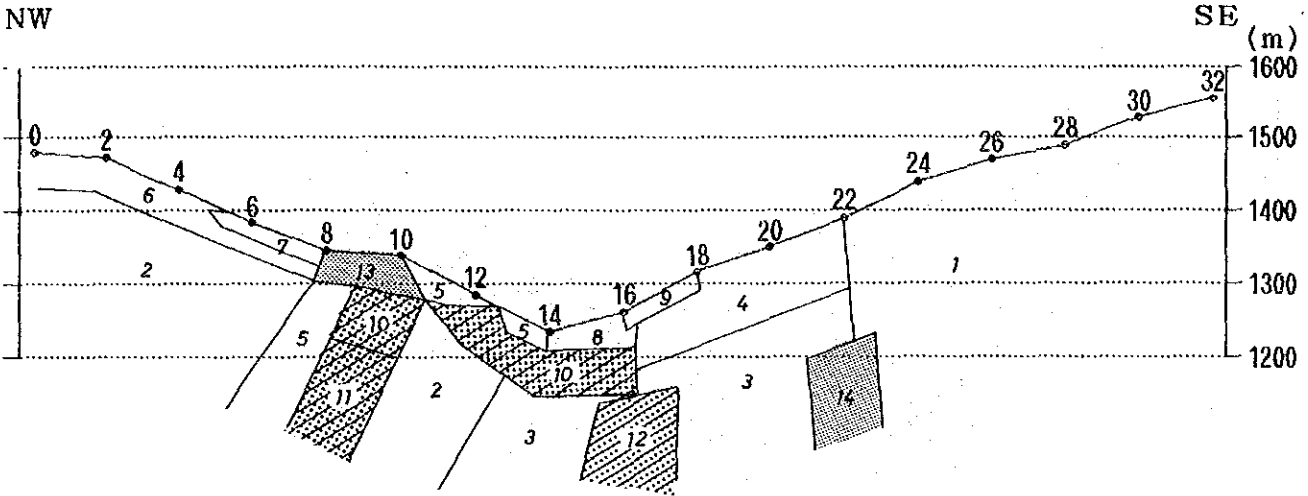


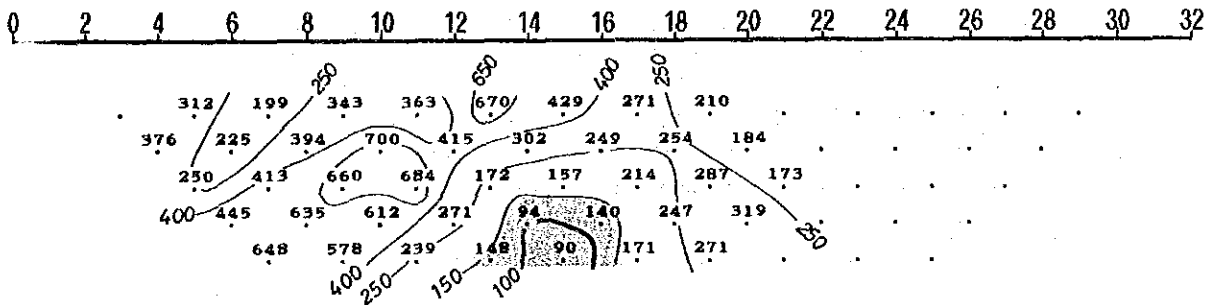
Fig.A-9-1 Analyzed sections of lines T-4 of the Telimbela area

ASSUMED MODEL

CODE NUMBER :	1	2	3	4	5	6	7	8
RESISTIVITY (ohm-m) :	250.0	400.0	60.00	230.0	350.0	250.0	350.0	600.0
P. F. E. (%) :	5.00	2.00	4.00	2.50	3.50	4.00	4.50	5.00
CODE NUMBER :	9	10	11	12	13	14		
RESISTIVITY (ohm-m) :	350.0	1200.	1300.	1200.	150.0	200.0		
P. F. E. (%) :	6.00	5.50	15.0	15.0	7.50	20.0		



APPARENT RESISTIVITY ($\Omega \cdot m$)



PERCENT FREQUENCY EFFECT (%)

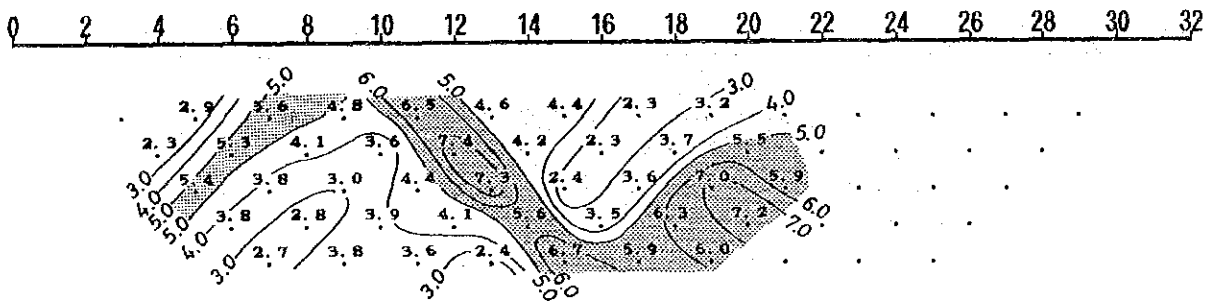
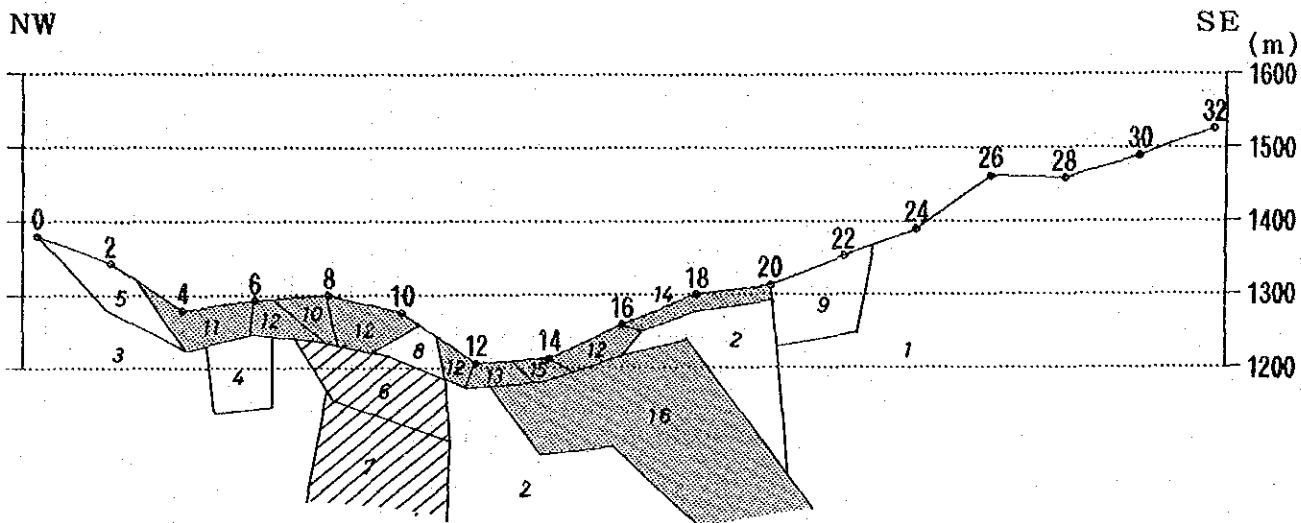


Fig.A-9-2 Analyzed sections of lines T-5 of the Telimbela area

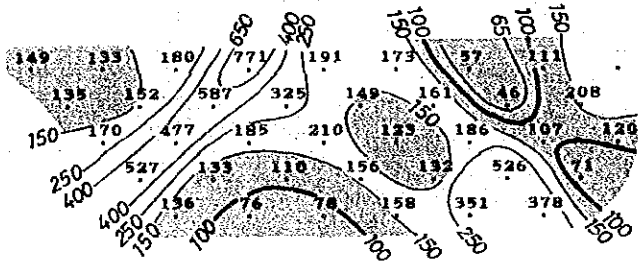
ASSUMED MODEL

CODE NUMBER :	1	2	3	4	5	6	7	8
RESISTIVITY (ohm-m) :	200.0	200.0	200.0	100.0	100.0	2000.	5000.	900.0
P. F. E. (%) :	5.00	3.50	2.50	3.00	4.50	3.00	1.00	10.0
CODE NUMBER :	9	10	11	12	13	14	15	16
RESISTIVITY (ohm-m) :	400.0	300.0	230.0	180.0	180.0	100.0	80.00	60.00
P. F. E. (%) :	6.50	10.0	10.5	10.5	12.5	7.00	11.0	9.00



APPARENT RESISTIVITY ($\Omega \cdot m$)

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32



PERCENT FREQUENCY EFFECT (%)

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32

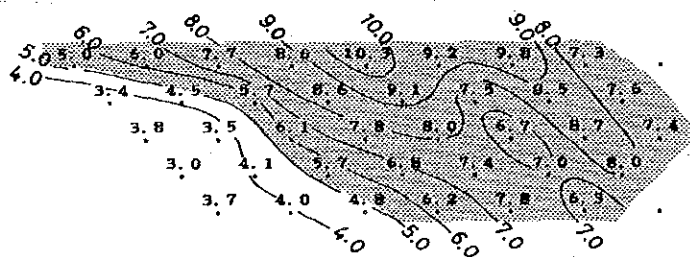


Fig.A-9-3 Analyzed sections of lines T-6 of the Telimbela area

Table A-1

Microscopic observations (thin section)

No.	Sample No.	Location		Geological Unit ^a	Rock Name	Texture	Minerals																													
		Coordinates					Quartz	Potash feldspar	Plagioclase	Biotite	Hornblende	Pyroxene	Apatite	Allanite	Sphene	Zircon	Quartz	Albite	Biotite	Muscovite ^b	Epidote	Actinolite	Chlorite	Calcite	Leucoplene	Sericite	Sphene	Garnet	Hematite	Limonite	Opaque minerals					
		E	N																													Alteration Minerals: Ilmenite, Garnet, Epidote, etc.				
1	B3040	708.40	9804.45	Gd	Biot. -hornb. quartz diorite	holocrystalline	•	•	•	•																				•						
2	B3043	708.41	9806.53	Gd	Hornb-(biot.) quartz diorite	holocrystalline, altered by biot.	•	•	•	•																										
3	C3060	708.18	9806.36	AA n	Altered hornb. andesite (?)	porphyritic	•		•																											
4	C3069	708.41	9806.35	AT f	Altered dacitic lapilli tuff (?)	with lithic fragments (?)	•																													
5	C3098	707.61	9805.85	AT f	Garnet skarn	massive, granular.														•								•								
6	MJE - 7 267.30	707.88	9805.68	AA n	Contact-metamorphosed Hornblende Andesite	porphyritic	•	•	•												•															
7	MJE - 7 98.00	707.88	9805.68	Tf	Garnet skarn with calcite veinlets	granular aggregate	•														•	•							•							
8	C3020	706.49	9817.64	Qd	Hornb.-biot quartz diorite	holocrystalline	•	•	•												•															
9	C3032	705.73	9816.39	Di	Biot.-hornb. quartz diorite	holocrystalline, with preferred orientation	•	•	•												•															
10	C3001	705.03	9817.05	Qd	Hornb.- (biot) quartz diorite	holocrystalline	•	•	•												•	•														
11	MJE - 8 55.00	705.40	9817.17	HQd	Biotite-granodiorite	holocrystalline sheared	•	•	•												•	•														
12	MJE - 8 119.00	705.40	9817.17	HQd	Biotite-granodiorite	holocrystalline sheared	•	•	•												•	•														
13	MJE - 9 100.00	705.67	9817.26	HQd	Hornblende-biotite quartz diorite	holocrystalline sheared	•	•	•												•	•														
14	C3050	705.77	9816.31	CQd	Biot. quartz diorite (partly sericitized)	holocrystalline	•	•	•												•	•														
15	C3050	704.64	9817.07	An	Contact-metamorphosed hornb. andesite (?)	blastoporphyrific, partly granoblastic		•	•												•	•														
16	C3053	704.70	9817.31	Tf	Contact-metamorphosed basic tuff (?)	partly granoblastic															•	•														

• > 0 > • > •

* 1 Unit corresponding to those used in Geological Map

AA n : Andesitic part of Macuchi Formation
 AT f : Tuffaceous part of Macuchi Formation
 G d : Granodiorite
 An : Andesitic part of Macuchi Formation
 Tf : Tuffaceous part of Macuchi Formation
 Qd : Quartzdiorite
 Di : Melanoctatic quartz diorite
 HQd : Hornblende - quartzdiorite
 CQd : Coarse quartzdiorite

Table A-2 Microscopic observations (polished section)

No.	Sample No.	Location		Occurrence*	Minerals														
		Area	Coordinates		Chalcopyrite (cp)	Bornite (bn)	Chalcocite (cc)	Covellite (cv)	Molybdenite (mo)	Spinelite (sp)	Pyrite (py)	Magnetite (mt)	hematite (hm)	Garnet (gr)	Arsenopyrite(asp)	Cubanite (cb)	Esque minerals(z)		
			E		N														
P 1	A3038	Osohuayco	709.81	8806.12	Cp-Py-B Irregular Vein in strotgly sil. hornfels. Py-Cp veinlets and Py-Mt diss	.					.	.						.
P 2	A3048		708.04	8806.56	Cp-Py diss & thin Vein in sil.c. ho bearing gd. Cp-Py-Mt diss	○	.				○	.						.	
P 3	B3043		708.41	8806.53	Cp>Py diss & film in bl-ho-gd. Cp-Mo-Mt diss	.	.	.	.	.	.	.						.
P 4	MJE-7 245.5		707.88	8805.68	Cp and Py diss & film in hornfels Cp-Py veinlets (~3mm wide), and Py-Mt diss	.	.			.	.	.						.
P 5	MJE-7 267.4		707.88	8805.68	Py>Cp diss & film in hornfels Py-Mt veinlets (~3mm wide), and Mt diss	.				.	○	.						.	
P 6	A3007		708.41	8806.53	Cp-Py-diss & film in melano qd & hornfels Cp-Mo-Mt diss	.	.				.	○						.	
P 7	A3015		708.41	8806.53	Cp-Py diss & film in melano qd & hornfels Cp-Mo-Mt diss	.	.				○	.						.	
P 8	A3027		705.89	8816.80	Py-Mo thin Vein (1mm) in melano gd Mo-Py-Cp-Mt diss	.	.			○	.	.						.	
P 9	A3028		706.04	8816.70	Cp-Py diss in melano qd Py-Cp-Mt diss	.	.				○	.	.					.	
P 10	B3005		Teli Ebela	705.41	8817.14	Py · Cp diss & film in hornfels (bs-Ad) Cp-Py veinlets (1mm wide) and Mt diss	.	.				.	.	.				.
P 11	B3018			705.02	8816.95	Py · Cp diss in melano - dl Mo-Cp-Py-Mt diss
P 12	C3006			705.43	8817.38	Cp>Py diss & film in hornfels (andesite) Cp-Py-Mo diss 705.43 8817.38	○			
P 13	MJE-8 53.8			705.40	8817.17	Cp film in ho-qd Cp veinlets (~5mm wide)	○			
P 14	MJE-8 251.1			705.40	8817.17	Cp and Py film & diss in ho-qd Py veinlets (~2mm wide) and Cp, Py, & Mt diss	.					○	.	.					.
P 15	MJE-9 93.2			705.67	8817.26	Cp & Py diss in ho-qd Cp & Py diss

● Abundant ○ Common ● A little · Rare

* Upper row : field occurrence : lower row : microscopic observation

Cp : Chalcopyrite Py : Pyrite Mo : Molybdenite Mt : Magnetite

C : coarse gd : granodiorite qd : quartzdiorite melano : melanocratic

diss : dissmination

Table A-3 Assay results of ore samples (geological survey
and drill core)

Table A-3(1) Assay results of ore samples (geological survey)

(1)

No.	Hole No.	Location		Description	Assay Results					
		Coordinates			Au (g/t)	Ag g/t	Cu (%)	Pb (%)	Zn (%)	Mo (%)
		E	N							
1	A3037	708.77	9806.12	C.Py-Q irr V. in st sil horn	Tr	Tr	0.01	0.00	0.00	0.00
2	A3038	709.81	9806.12	C.Py-Q irr V. in st sil horn	Tr	Tr	0.00	0.00	0.01	0.00
3	A3044	707.98	9806.44	C.Py-Q V. in sil c. ho-bt-qd	Tr	Tr	0.08	0.00	0.00	0.00
4	A3045	708.00	9806.48	Cp-Py thin V. in crack of c. ho-bt-qd	0.2	13.1	4.89	0.00	0.03	0.00
5	A3047	708.01	9806.52	Cp-Py diss & thin V. in sil c. ho-bt-qd	Tr	Tr	0.03	0.00	0.00	0.00
6	A3048	708.04	9806.56	Cp-Py diss & thin V. in sil c. ho-bt-qd	Tr	Tr	0.55	0.00	0.01	0.00
7	A3054	708.06	9806.62	F.Cp-Py diss & thin V. in sil c. ho-bt-qd	Tr	Tr	0.02	0.00	0.00	0.00
8	A3055	708.08	9806.64	Cp-Py thin V. in sil c. ho-bt-qd	Tr	Tr	0.11	0.00	0.00	0.00
9	B3040	708.40	9804.45	Cp-Py diss & film in vc. bt-ho-qd	Tr	Tr	0.03	0.00	0.00	0.00
10	B3043	708.41	9806.53	Cp-Py diss & film in vc. bt-ho-qd	0.5	4.1	0.41	0.00	0.00	0.01
11	B3044	708.41	9806.55	Q-Vit w/ Cp-Py diss & in bt-ho-qd	0.2	6.5	1.18	0.00	0.01	0.01
12	B3064	707.34	9806.02	Py diss & film in melano di	Tr	Tr	0.04	0.00	0.00	0.00
13	B3075	707.44	9805.82	Py diss & film in vc. bt-qd	Tr	Tr	0.05	0.00	0.00	0.00
14	C3079	708.84	9807.01	Py-Cp diss in f. Tf	Tr	Tr	0.02	0.00	0.00	0.00
15	C3082	708.27	9806.83	Cp spotted in bt-ho-qd	Tr	Tr	0.06	0.00	0.00	0.00
16	PO-01	707.77	9806.46	Py diss & film in qd	Tr	Tr	0.06	0.00	0.01	0.00
17	PO-02	707.92	9806.47	Py diss & film in qd	Tr	Tr	0.06	0.00	0.00	0.00
18	PO-03	708.06	9806.46	Py diss & film in qd	Tr	Tr	0.04	0.00	0.00	0.00
19	PO-04	708.19	9806.46	Cp-Py diss & film in c. qd	Tr	Tr	0.13	0.00	0.00	0.00
20	PO-05	708.32	9806.48	Cp-Py diss & film in c. qd	Tr	Tr	0.17	0.00	0.00	0.00
21	A3005	705.49	9817.02	Cp-Py-film & diss in melano ho-qd	Tr	Tr	0.18	0.00	0.00	0.01
22	A3006	705.03	9817.42	Cp-Py(Mo) diss & V.	0.2	6.1	1.38	0.00	0.02	0.08
23	A3007	705.44	9817.04	Cp-Py diss & film in melano qd & Mac	Tr	3.6	0.71	0.00	0.01	0.01
24	A3012	705.90	9817.10	Cp-Py diss in melano bt-qd	Tr	Tr	0.10	0.00	0.00	0.00
25	A3013	706.05	9817.13	Py-Cp w diss in qd	Tr	Tr	0.11	0.00	0.00	0.00
26	A3014	706.10	9817.13	Cp-Py Mo film & diss in bt-qd	Tr	Tr	0.03	0.00	0.00	0.00
27	A3015	706.19	9817.17	Cp-Py diss & V. in altered Mac.	Tr	Tr	0.03	0.00	0.00	0.00
28	A3021	705.78	9816.94	Cp-Py w. diss in melano qd & Mac.	0.2	2.4	0.53	0.00	0.02	0.00
29	A3022	705.28	9816.96	Cp-Py w. diss in melano qd	Tr	Tr	0.06	0.00	0.01	0.00
30	A3024	705.81	9816.86	Cp-Py w. diss in melano qd	Tr	4.9	0.69	0.00	0.00	0.50
31	A3025	705.83	9816.83	Cp-Py-Mo thin V. & w. diss in melano qd	1.2	6.4	1.06	0.01	0.01	0.00
32	A3027	705.89	9816.80	Py-Mo thin V. (W-lca) in melano qd	Tr	Tr	0.02	0.00	0.00	0.84
33	A3028	706.04	9816.70	Cp-Py diss in melano qd	Tr	Tr	0.03	0.00	0.00	0.00
34	B3002	705.20	9817.22	Py-Cp diss in ho-qd	0.1	3.5	0.08	0.01	0.03	0.00
35	B3005	705.16	9817.36	Cp-Py diss & film in horn (bs-Ad)	0.2	2.5	0.20	0.01	0.03	0.04
36	B3007	705.21	9817.64	Py-Cp diss in horn (bs-Ad)	0.2	7.5	0.78	0.01	0.07	0.00
37	B3008	705.27	9817.90	Py-Cp diss & film in bt-ho-qd	Tr	Tr	0.02	0.00	0.00	0.00
38	B3018	705.99	9816.95	Py-Cp diss in melano di	Tr	Tr	0.20	0.00	0.01	0.06
39	B3022	706.25	9816.86	Py-Cp diss in bt-ho-qd	Tr	Tr	0.14	0.00	0.00	0.00
40	B3023	706.27	9816.84	Py-Cp diss in bt-ho-qd	Tr	Tr	0.02	0.00	0.00	0.00
41	C3004	705.27	9817.23	Cp-Py(Mo) diss in ho-qd	0.1	10.4	0.86	0.00	0.02	0.01
42	C3006	705.43	9817.05	Cp-Py diss & film in horn (Ad)	0.2	2.1	0.89	0.00	0.00	0.02
43	C3007	705.51	9817.68	Py-Cp diss & film in ho bt-qd	Tr	Tr	0.02	0.00	0.00	0.00
44	C3008	705.55	9817.75	Py-Cp diss & film in ho bt-qd	Tr	Tr	0.02	0.01	0.02	0.00
45	C3009	705.52	9817.19	Green Cu film in ho-qd	Tr	6.1	0.76	0.00	0.02	0.01
46	C3010	705.56	9817.81	Py-Cp diss in ho-bt-qd	Tr	Tr	0.03	0.01	0.01	0.00
47	D3002	705.74	9817.77	Py-Cp diss in bt-ho-qd	Tr	Tr	0.58	0.00	0.01	0.01
48	D3005	705.48	9817.50	Py-Cp diss in ho-bt-qd	Tr	Tr	0.18	0.00	0.00	0.04
49	D3008	705.49	9817.50	Py-Cp diss in ho-bt-qd	Tr	Tr	0.17	0.00	0.00	0.00
50	D3011	705.77	9817.56	Py-Cp diss in bt-ho-qd	Tr	Tr	0.06	0.00	0.00	0.00
51	PT-01	705.59	9817.29	Py diss in bt-ho-qd	Tr	Tr	0.11	0.00	0.01	0.00
52	PT-02	705.91	9817.42	Py diss in bt-ho-qd	Tr	Tr	0.06	0.01	0.01	0.00
53	PT-03	706.08	9817.04	Py diss & Vit in bt-ho-qd	0.1	1.7	0.07	0.00	0.00	0.00

Table A-3(1) Assay results of ore samples (geological survey)

(2)

No	Hole No.	Location		Description	Assay Results						
		Coordinates			Au (g/t)	Ag g/t	Cu (%)	Pb (%)	Zn (%)	Mo (%)	
		E	N								
54	PT-04	Tehibetsa	705.99	9817.13	Py diss & Vlt in bt-ho qd	Tr	Tr	0.06	0.01	0.00	0.00
55	PT-05		705.70	9817.18	Py diss & Vlt in bt-ho qd	Tr	3.7	0.14	0.01	0.02	0.00
56	PT-06		705.90	9816.96	Py diss & Vlt in bt-ho qd	Tr	Tr	0.06	0.00	0.00	0.00
57	PT-07		705.60	9816.70	Py diss & Vlt in bt-ho qd	Tr	Tr	0.09	0.00	0.00	0.00
58	PT-08		706.07	9817.00	Py-Cp diss & filn in bt-ho qd	Tr	Tr	0.51	0.00	0.01	0.01
59	PT-09		705.17	9817.11	Py-Cp diss in ho-bt qd	Tr	Tr	0.03	0.00	0.01	0.00
60	PT-10	705.25	9817.50	Py diss in Mac	Tr	Tr	0.08	0.00	0.01	0.00	

o. : coarse
 f. : fine
 V. : vein
 Vlt : veinlet
 bt-ho qd : biotite hornblende quartz-diorite
 ho-bt qd : hornblende biotite quartz-diorite
 melano di : melanocratic quartz-diorite
 horn : hornfels
 Ad : andesite
 Tf : tuff
 Py : Pyrite
 Cp : Chalcopyrite
 Mo : Molybdenite

Table A-3(2) Assay results of ore samples (drill core)

(3)

No.	Hole No.	Depth (m)	Assay Results						
			Au (g/t)	Ag g/t	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)
1	MJE-7	231.4 ~ 232.3	Tr	Tr	0.02	0.00	0.01	0.00	0.00
2	MJE-7	234.4 ~ 235.2	Tr	Tr	0.01	0.00	0.01	0.00	0.00
3	MJE-7	235.4 ~ 235.9	Tr	Tr	0.18	0.00	0.01	0.00	0.00
4	MJE-7	237.7 ~ 237.9	Tr	0.2	0.08	0.00	0.01	0.00	0.00
5	MJE-7	245.0 ~ 245.8	Tr	Tr	0.03	0.00	0.01	0.00	0.00
6	MJE-7	248.0 ~ 248.2	Tr	Tr	0.03	0.00	0.01	0.00	0.00
7	MJE-7	248.4 ~ 248.6	Tr	Tr	0.03	0.00	0.01	0.00	0.01
8	MJE-7	253.6 ~ 253.9	Tr	Tr	0.02	0.00	0.01	0.00	0.00
9	MJE-7	258.0 ~ 259.0	Tr	Tr	0.01	0.00	0.01	0.00	0.00
10	MJE-7	260.7 ~ 261.3	Tr	Tr	0.06	0.00	0.01	0.00	0.00
11	MJE-7	261.4 ~ 261.8	Tr	0.9	0.16	0.00	0.01	0.00	0.00
12	MJE-7	263.8 ~ 264.3	Tr	Tr	0.14	0.00	0.01	0.00	0.00
13	MJE-7	267.9 ~ 268.4	Tr	Tr	0.02	0.00	0.01	0.00	0.00
14	MJE-7	270.4 ~ 270.9	Tr	Tr	0.01	0.00	0.01	0.00	0.00
15	MJE-7	275.4 ~ 275.9	Tr	1.2	0.03	0.00	0.01	0.00	0.00
16	MJE-7	279.4 ~ 279.9	Tr	Tr	0.05	0.00	0.01	0.00	0.00
17	MJE-7	282.4 ~ 282.9	Tr	Tr	0.10	0.00	0.01	0.00	0.00
18	MJE-7	286.4 ~ 286.9	Tr	Tr	0.04	0.00	0.01	0.00	0.00
19	MJE-7	301.9 ~ 302.9	Tr	Tr	0.01	0.00	0.01	0.00	0.00
20	MJE-8	21.0 ~ 24.0	Tr	3.0	0.28	0.00	0.01	0.00	0.00
21	MJE-8	24.0 ~ 26.0	0.1	1.3	0.16	0.00	0.00	0.00	0.00
22	MJE-8	26.0 ~ 28.0	Tr	1.0	0.18	0.00	0.01	0.00	0.00
23	MJE-8	28.0 ~ 30.0	0.1	2.4	0.45	0.00	0.00	0.00	0.00
24	MJE-8	30.0 ~ 32.0	Tr	Tr	0.16	0.00	0.00	0.00	0.00
25	MJE-8	32.0 ~ 34.0	Tr	2.0	0.26	0.00	0.00	0.01	0.00
26	MJE-8	36.0 ~ 38.0	Tr	1.2	0.09	0.00	0.01	0.00	0.00
27	MJE-8	40.0 ~ 42.0	Tr	Tr	0.24	0.00	0.00	0.00	0.00
28	MJE-8	44.0 ~ 46.0	Tr	1.3	0.36	0.00	0.01	0.01	0.00
29	MJE-8	48.0 ~ 50.0	Tr	Tr	0.41	0.00	0.01	0.01	0.00
30	MJE-8	52.0 ~ 54.0	Tr	Tr	0.52	0.00	0.00	0.06	0.00
31	MJE-8	56.0 ~ 56.0	Tr	1.3	0.25	0.00	0.00	0.04	0.00
32	MJE-8	56.0 ~ 58.0	0.1	1.4	0.36	0.00	0.00	0.02	0.00
33	MJE-8	60.0 ~ 62.0	0.2	1.5	0.43	0.00	0.00	0.12	0.00
34	MJE-8	63.0 ~ 64.0	Tr	6.0	0.72	0.00	0.03	0.25	0.00
35	MJE-8	64.0 ~ 66.0	Tr	2.4	0.47	0.00	0.01	0.05	0.00
36	MJE-8	67.0 ~ 69.0	Tr	Tr	0.43	0.00	0.00	0.05	0.00
37	MJE-8	71.0 ~ 73.0	Tr	1.4	0.25	0.00	0.00	0.02	0.00
38	MJE-8	75.0 ~ 77.0	Tr	Tr	0.02	0.00	0.00	0.02	0.00
39	MJE-8	80.0 ~ 81.2	Tr	Tr	0.16	0.00	0.01	0.01	0.00
40	MJE-8	82.3 ~ 84.6	Tr	Tr	0.08	0.00	0.00	0.00	0.00
41	MJE-8	88.0 ~ 89.6	Tr	Tr	0.06	0.00	0.00	0.00	0.00
42	MJE-8	92.0 ~ 94.0	Tr	2.5	0.39	0.00	0.01	0.03	0.00
43	MJE-8	96.0 ~ 98.0	0.1	3.1	0.23	0.02	0.05	0.01	0.00
44	MJE-8	100.0 ~ 102.0	Tr	1.7	0.13	0.01	0.02	0.00	0.00
45	MJE-8	104.0 ~ 106.0	Tr	Tr	0.03	0.00	0.00	0.00	0.00
46	MJE-8	108.0 ~ 110.0	Tr	2.0	0.29	0.00	0.01	0.01	0.00
47	MJE-8	112.0 ~ 114.0	Tr	Tr	0.04	0.00	0.00	0.00	0.00
48	MJE-8	116.0 ~ 118.0	Tr	0.9	0.13	0.00	0.00	0.01	0.00
49	MJE-8	120.0 ~ 122.0	Tr	Tr	0.08	0.00	0.00	0.00	0.00
50	MJE-8	124.0 ~ 126.0	Tr	Tr	0.11	0.00	0.00	0.01	0.00
51	MJE-8	128.0 ~ 130.0	Tr	Tr	0.12	0.00	0.00	0.00	0.00
52	MJE-8	132.0 ~ 134.0	Tr	Tr	0.06	0.00	0.00	0.00	0.00
53	MJE-8	136.0 ~ 138.0	Tr	Tr	0.08	0.00	0.00	0.00	0.00

Table A-3(2) Assay results of ore samples (drill core)

(4)

No.	Hole No.	Depth (m)	Assay Results						
			Au (g/t)	Ag g/t	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)
54	MJE-8	140.0 ~ 142.0	Tr	Tr	0.05	0.00	0.01	0.00	0.00
55	MJE-8	144.0 ~ 146.0	Tr	Tr	0.05	0.00	0.00	0.00	0.00
56	MJE-8	148.0 ~ 150.0	Tr	Tr	0.03	0.00	0.01	0.00	0.00
57	MJE-8	155.0 ~ 157.0	Tr	Tr	0.02	0.00	0.00	0.00	0.00
58	MJE-8	160.0 ~ 162.0	Tr	Tr	0.04	0.00	0.00	0.00	0.00
59	MJE-8	165.0 ~ 167.0	Tr	1.8	0.05	0.00	0.00	0.00	0.00
60	MJE-8	170.0 ~ 172.0	Tr	Tr	0.38	0.00	0.01	0.02	0.00
61	MJE-8	175.0 ~ 177.0	Tr	Tr	0.07	0.00	0.00	0.01	0.00
62	MJE-8	180.0 ~ 182.0	Tr	Tr	0.01	0.00	0.01	0.00	0.00
63	MJE-8	185.0 ~ 187.0	Tr	Tr	0.03	0.00	0.00	0.02	0.00
64	MJE-8	190.0 ~ 192.0	Tr	Tr	0.05	0.00	0.01	0.01	0.00
65	MJE-8	195.0 ~ 197.0	Tr	Tr	0.04	0.00	0.00	0.01	0.00
66	MJE-8	200.0 ~ 202.0	Tr	Tr	0.03	0.00	0.00	0.08	0.00
67	MJE-8	205.0 ~ 207.0	Tr	Tr	0.03	0.00	0.00	0.00	0.00
68	MJE-8	210.0 ~ 212.0	Tr	Tr	0.06	0.00	0.01	0.01	0.00
69	MJE-8	215.0 ~ 217.0	Tr	Tr	0.03	0.00	0.00	0.00	0.00
70	MJE-8	220.0 ~ 222.0	Tr	Tr	0.03	0.00	0.01	0.00	0.00
71	MJE-8	225.0 ~ 227.0	Tr	Tr	0.08	0.01	0.02	0.00	0.00
72	MJE-8	230.0 ~ 232.0	Tr	Tr	0.03	0.00	0.00	0.00	0.00
73	MJE-8	235.0 ~ 236.0	Tr	Tr	0.03	0.00	0.01	0.00	0.00
74	MJE-8	240.0 ~ 241.0	Tr	1.1	0.05	0.01	0.05	0.00	0.00
75	MJE-8	245.0 ~ 246.0	Tr	Tr	0.02	0.00	0.01	0.00	0.00
76	MJE-8	250.0 ~ 251.0	Tr	1.5	0.07	0.01	0.03	0.00	0.00
77	MJE-8	255.0 ~ 256.0	Tr	1.6	0.04	0.00	0.02	0.00	0.00
78	MJE-8	260.0 ~ 261.0	Tr	Tr	0.08	0.00	0.01	0.00	0.00
79	MJE-8	270.0 ~ 271.0	Tr	Tr	0.02	0.00	0.00	0.00	0.00
80	MJE-8	280.0 ~ 281.0	Tr	Tr	0.04	0.00	0.00	0.00	0.00
81	MJE-8	290.0 ~ 291.0	Tr	Tr	0.04	0.00	0.00	0.00	0.00
82	MJE-8	300.0 ~ 301.0	Tr	1.8	0.07	0.00	0.12	0.00	0.00
83	MJE-9	28.0 ~ 29.0	Tr	Tr	0.09	0.00	0.00	0.01	0.00
84	MJE-9	36.0 ~ 37.0	Tr	1.0	0.19	0.00	0.00	0.00	0.00
85	MJE-9	44.0 ~ 45.0	Tr	Tr	0.01	0.00	0.00	0.06	0.00
86	MJE-9	52.0 ~ 53.0	Tr	Tr	0.12	0.00	0.00	0.00	0.00
87	MJE-9	60.0 ~ 61.0	0.1	5.4	0.09	0.00	0.00	0.01	0.00
88	MJE-9	64.0 ~ 65.0	Tr	1.0	0.09	0.00	0.01	0.01	0.00
89	MJE-9	68.0 ~ 69.0	Tr	Tr	0.08	0.00	0.01	0.03	0.00
90	MJE-9	72.0 ~ 73.0	Tr	Tr	0.02	0.00	0.00	0.00	0.00
91	MJE-9	76.0 ~ 77.0	Tr	Tr	0.09	0.00	0.01	0.01	0.00
92	MJE-9	80.0 ~ 81.0	Tr	Tr	0.31	0.00	0.01	0.06	0.00
93	MJE-9	84.0 ~ 85.0	Tr	Tr	0.26	0.00	0.01	0.00	0.00
94	MJE-9	88.0 ~ 89.0	Tr	Tr	0.10	0.00	0.01	0.00	0.00
95	MJE-9	92.0 ~ 93.0	Tr	2.0	0.17	0.00	0.01	0.00	0.00
96	MJE-9	96.0 ~ 97.0	Tr	Tr	0.17	0.00	0.00	0.00	0.00
97	MJE-9	100.0 ~ 101.0	Tr	Tr	0.26	0.00	0.00	0.00	0.00
98	MJE-9	104.0 ~ 105.0	Tr	2.6	0.33	0.00	0.01	0.01	0.00
99	MJE-9	108.0 ~ 109.0	Tr	Tr	0.04	0.00	0.00	0.00	0.00
100	MJE-9	112.0 ~ 113.0	Tr	Tr	0.04	0.00	0.01	0.00	0.00
101	MJE-9	116.0 ~ 117.0	Tr	1.0	0.17	0.00	0.01	0.00	0.00
102	MJE-9	120.0 ~ 121.0	Tr	Tr	0.06	0.00	0.01	0.00	0.00
103	MJE-9	124.0 ~ 125.0	Tr	Tr	0.13	0.00	0.01	0.00	0.00
104	MJE-9	128.0 ~ 129.0	Tr	3.4	0.34	0.00	0.01	0.01	0.00
105	MJE-9	132.0 ~ 133.0	Tr	2.0	0.28	0.00	0.01	0.01	0.00
106	MJE-9	136.0 ~ 137.0	Tr	1.1	0.11	0.00	0.01	0.01	0.00

Table A-3(2) Assay results of ore samples (drill core)

(5)

No.	Hole No.	Depth (m)	Assay Results						
			Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)
107	MJE-9	140.0 ~ 141.0	Tr	Tr	0.08	0.00	0.02	0.01	0.00
108	MJE-9	144.0 ~ 145.0	Tr	Tr	0.10	0.01	0.01	0.01	0.00
109	MJE-9	148.0 ~ 149.0	Tr	Tr	0.08	0.00	0.02	0.02	0.00
110	MJE-9	152.0 ~ 153.0	Tr	2.0	0.22	0.00	0.01	0.02	0.00
111	MJE-9	156.0 ~ 157.0	Tr	0.1	0.17	0.00	0.01	0.02	0.00
112	MJE-9	160.0 ~ 161.0	Tr	4.7	0.55	0.00	0.01	0.02	0.00
113	MJE-9	164.0 ~ 165.0	Tr	Tr	0.04	0.00	0.01	0.02	0.00
114	MJE-9	168.0 ~ 169.0	Tr	Tr	0.02	0.00	0.00	0.01	0.00
115	MJE-9	172.0 ~ 173.0	Tr	Tr	0.01	0.00	0.00	0.02	0.00
116	MJE-9	176.0 ~ 177.0	Tr	Tr	0.02	0.00	0.01	0.01	0.00
117	MJE-9	180.0 ~ 181.0	Tr	Tr	0.02	0.00	0.00	0.02	0.00
118	MJE-9	188.0 ~ 189.0	Tr	Tr	0.00	0.00	0.00	0.00	0.00
119	MJE-9	196.0 ~ 197.0	Tr	Tr	0.01	0.00	0.00	0.00	0.00
120	MJE-9	204.0 ~ 205.0	Tr	Tr	0.01	0.00	0.00	0.01	0.00

Table A-4 Results of X-ray diffractive analysis

Results of X-ray diffractive analysis

No.	Sample No.	Location		Geological Unit**	Rock Name	Minerals																								
		Coordinates				Quartz	Plagioclase	Orthopyroxene	Albite	Diopside	Hedenbergite	Grossular	Andradite	Prehnite	Epidote	Sphene	Calcite	Rhodocrosite	Riotite	Serizite	Chlorite	Kaline	Montmorillonite	Pyrophyllite	Lamprite	Stilbite	Epistilbite	Pyrite	Chalcopyrite	Molybdenite
		E	N			●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●
1	A3038	709.81	9806.12	ATf	St. sil. Tf(horn)	●	○																							
2	A3048	708.04	9806.56	Gd	(Ho)-bi-qd	●	○									○		●								●	●			
3	B3043	708.41	9806.53	Gd	V.c.bi-qd	●	○	●								○														
4	B3045	708.46	9806.62	Gd	V.c.bi-qd	●	○	○								○														
5	C3070	709.37	9806.40	ATf	St. sil rock	●	○																							
6	P0-01	707.77	9806.46	Gd	Bi-qd	○	○	●											●											
7	P0-02	707.92	9806.47	Gd	Bi-qd	○	○	●																						
8	P0-03	708.06	9806.46	Gd	Bi-qd	○	○	○																						
9	P0-04	708.19	9806.46	Gd	Bi-qd																									
10	P0-05	708.32	9806.48	Gd	Bi-qd	○	○	●																						
11	A3003	705.01	9817.29	An	Ad	●	○	○																						
12	A3006	705.03	9817.42	An	Ad		●			●																				
13	A3007	705.44	9817.04	Di	Melano-dio	○	○	○											●											
14	A3014	706.10	9817.13	Qd	Bi-qd	○	○	●																						
15	A3016	706.21	9817.18	Di	Melano-dio	○	○	●											●	●					●	●				
16	A3022	705.28	9816.96	Qd	Bi-qd	●	○	○											●											
17	B302B	706.04	9816.70	An	Melano-dio	○	○	●																						
18	B3003	705.17	9817.34	HQd	Ho-bi-qd	○	○												●	○										
19	C3005	705.41	9817.14	An	Bs-Ad(horn)	●	○	○											○											
20	C3001	705.03	9817.50	HQd	Ho-bi-qd	○	○	○																						

●>○>○>●

* 1 Unit corresponding to those used in Geological Map

- ATf : Tuffaceous part of Macuchi Formation
- Tf : Tuffaceous part of Macuchi Formation
- An : Andesitic part of Macuchi Formation
- Gd : Granodiorite
- Qd : Quartzdiorite
- Di : Melanocratic quartz diorite
- HQd : Hornblende - quartzdiorite
- CQd : Coarse quartzdiorite

Results of X-ray diffractive analysis

No.	Sample No.	Location		Geological Unit	Rock Name	Minerals																								
		Coordinates				Quartz	Plagioclase	Potash-feldspar	Hornblende	Biotite	Hedenbergite	Grossular	Andradite	Phehnite	Epidote	Sphene	Calcite	Rhodrosite	Biotite	Sericite	Chlorite	Kaline	Montmorillonite	Pyrophyllite	Lawsonite	Stilbite	Epistilbite	Pyrite	Chalcopyrite	Molybdenite
		E	N																											
21	C3006	705.43	9806.12	An	Ad(horn)	○	○																							
22	C3010	705.56	9806.56	HQd	Ho-bi-qd	●	●																							
23	C3013	705.34	9806.53	Qd	Sil-rock	●																								
24	C3021	705.26	9806.62	Tf	Tuff	●	●	○																						
25	C3026	705.35	9806.40	Di	Melano-dio	●	●	○																						
26	C3030	705.63	9806.46	Di	Melano-dio	○	○	○																						
27	C3033	705.77	9806.47	CQd	V.C. bi-qd	●	●	●																						
28	C3039	706.45	9806.46	Pa	Ad-Por	●	○																							
29	C3046	704.87	9806.46	An	Sil Ad	●	●																							
30	C3048	704.86	9806.48	An	Ad-Tf	○	○	○																						
31	PT-01	705.59	9817.29	Qd	Bi-qd	●	●																							
32	PT-02	705.91	9817.42	Qd	Bi-qd	●																								
33	PT-03	706.08	9817.04	Qd	Bi-qd	●	○																							
34	PT-04	705.99	9817.13	Qd	Bi-qd	●	○																							
35	PT-05	705.70	9817.18	Qd	Bi-qd	●	●																							
36	PT-06	705.90	9816.96	Qd	Bi-qd	●	●																							
37	PT-07	705.60	9816.70	Qd	Bi-qd	○	●																							
38	PT-08	706.07	9817.34	Qd	Bi-qd	●	●	○																						
39	PT-09	705.17	9817.14	HQd	Ho-bi-qd	●	●	●																						
40	PT-10	705.25	9817.50	An	Brn-gy-Bs	○	○	○																						

●>○>●>

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- T f : Tuffaceous part of Macuchi Formation
- A n : Andesitic part of Macuchi Formation
- G d : Granodiorite
- Q d : Quartzdiorite
- D i : Melanocratic quartz diorite
- H Q d : Hornblende - quartzdiorite
- C Q d : Coarse quartzdiorite

Results of X-ray diffractive analysis

No.	Sample No.	Location		Geological Unit ¹	Rock Name	Minerals																								
		Coordinates				Quartz	Plagioclase	Potash-feldspar	Hornblende	Dioptase	Hedenbergite	Grossular	Andradite	Phehnite	Epidote	Sphene	Calcite	Rhodrosite	Biotite	Sericite	Chlorite	Kaline	Montmorillonite	Pyrophyllite	Laumontite	Stilbite	Epistilbite	Pyrite	Chalcopyrite	Molybdenite
		E	N																											
41	MJE-7 030.0	707.88	9805.68	ABT	Sil-tff	●																								
42	MJE-7 060.0	707.88	9805.68	ABT	Sil-tff	●	○	●																						
43	MJE-7 080.0	707.88	9805.68	ABT	Sil-tff				○						○															
44	MJE-7 135.0	707.88	9805.68	AAAn	Ad(horn)	○	●	○	○									●												
45	MJE-7 150.2	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○																					
46	MJE-7 180.0	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○										○		●									
47	MJE-7 210.0	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○										○											
48	MJE-7 240.0	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○										○											
49	MJE-7 270.9	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○										○		●									
50	MJE-7 300.0	707.88	9805.68	AAAn	Ad(horn)	○	○	○	○										○											
51	MJE-8 026.0	705.40	9817.17	HQd	Ho-Bi-qd	○	○													○										
52	MJE-8 068.0	705.40	9817.17	HQd	Ho-Bi-qd	○	○	●	●											○		●								
53	MJE-8 109.0	705.40	9817.17	HQd	Ho-Bi-qd	○	○	●	●											○										
54	MJE-8 160.0	705.40	9817.17	HQd	Ho-Bi-qd	○														○		○		○	○	○	○	○	○	
55	MJE-8 210.5	705.40	9817.17	HQd	Ho-Bi-qd	○	○													○										
56	MJE-8 268.5	705.40	9817.17	HQd	Ho-Bi-qd	○														○		○		○						
57	MJE-8 029.0	705.67	9817.26	Qd	Bi-qd	○	○													○		○								
58	MJE-8 049.0	705.67	9817.26	Qd	Bi-qd	○	○													○		○								
59	MJE-8 089.0	705.67	9817.26	HQd	Ho-bi-qd	○	○													○		○		○	○	○	○	○	○	
60	MJE-8 178.0	705.67	9817.26	HQd	Ho-bi-qd	○	○													○		○		○	○	○	○	○	○	

○>○>○>●>

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Table A-5 Lists of measured value of IP survey

測定値一覧表 (1 / 6) 測線 T 1

PI-P2	G1-G2	n	I (A)	V (mV)	ρ -a (Ω -m)	FE (%)	Tc	ρ -ac (Ω -m)
0-2	4-6	1	1.00	1210.00	2280.0	5.5	1.063	2425.0
0-2	6-8	2	1.00	105.00	792.0	4.6	2.631	2084.0
0-2	8-10	3	1.00	66.50	1254.0	4.5	1.587	1990.0
0-2	10-12	4	1.20	28.40	892.0	3.4	1.282	1143.0
0-2	12-14	5	1.00	12.80	844.0	4.0	1.754	1480.0
2-4	6-8	1	1.00	398.00	750.0	4.3	2.439	1829.0
2-4	8-10	2	1.00	222.00	1674.0	4.5	1.266	2119.0
2-4	10-12	3	1.20	66.20	1040.0	5.1	0.980	1019.0
2-4	12-14	4	1.00	29.40	1108.0	5.8	1.370	1517.0
2-4	14-16	5	1.00	12.80	844.0	6.4	1.515	1278.0
4-6	8-10	1	1.00	1330.00	2507.0	6.3	0.658	1649.0
4-6	10-12	2	1.20	258.00	1621.0	3.2	0.559	905.0
4-6	12-14	3	1.00	81.10	1529.0	12.1	0.826	1263.0
4-6	14-16	4	1.00	44.70	1684.0	-3.4	0.917	1545.0
4-6	16-18	5	1.00	7.34	484.0	8.1	1.190	576.0
6-8	10-12	1	1.20	225.00	353.0	4.6	1.695	598.0
6-8	12-14	2	1.00	55.50	419.0	6.2	2.174	910.0
6-8	14-16	3	1.20	41.60	654.0	-1.8	2.326	1520.0
6-8	16-18	4	1.50	19.60	493.0	-5.0	2.857	1408.0
6-8	18-20	5	1.50	9.02	397.0	6.6	1.818	722.0
8-10	12-14	1	1.00	368.00	694.0	6.3	1.351	938.0
8-10	14-16	2	1.00	77.90	587.0	7.7	1.316	772.0
8-10	16-18	3	1.00	18.30	345.0	5.9	1.539	530.0
8-10	18-20	4	1.50	22.30	561.0	7.5	0.990	555.0
8-10	20-22	5	1.50	13.00	572.0	6.4	0.962	550.0
10-12	14-16	1	1.00	417.00	786.0	7.3	1.124	883.0
10-12	16-18	2	1.00	78.20	590.0	6.0	1.177	694.0
10-12	18-20	3	1.50	60.90	765.0	7.0	0.752	575.0
10-12	20-22	4	1.50	48.40	1217.0	5.6	0.730	888.0
10-12	22-24	5	1.50	40.00	1759.0	4.8	0.433	761.0
12-14	16-18	1	1.00	211.00	398.0	8.3	1.316	523.0
12-14	18-20	2	1.50	157.00	789.0	6.8	0.794	626.0
12-14	20-22	3	1.50	76.40	960.0	3.1	0.800	768.0
12-14	22-24	4	1.50	64.50	1621.0	6.5	0.524	849.0
12-14	24-26	5	1.50	35.10	1544.0	4.8	0.435	671.0
14-16	18-20	1	1.50	778.00	978.0	6.0	0.725	709.0
14-16	20-22	2	1.50	169.00	850.0	6.5	0.787	669.0
14-16	22-24	3	1.50	124.00	1558.0	5.5	0.568	885.0
14-16	24-26	4	1.50	46.80	1176.0	7.8	0.524	616.0
14-16	26-28	5	1.50	9.58	421.0	3.2	1.333	561.0
20-22	16-18	1	1.00	166.00	313.0	7.8	1.667	521.0
22-24	18-20	1	1.50	958.00	1204.0	6.1	0.775	933.0
22-24	16-18	2	1.00	89.50	675.0	8.8	1.053	711.0
24-26	20-22	1	1.50	455.00	572.0	7.3	1.409	806.0
24-26	18-20	2	1.50	194.00	975.0	8.4	0.794	774.0
24-26	16-18	3	1.00	28.70	541.0	8.7	1.020	552.0
26-28	22-24	1	1.50	135.00	170.0	3.0	2.439	415.0
26-28	20-22	2	1.50	39.90	201.0	7.0	3.030	609.0
26-28	18-20	3	1.50	22.80	287.0	7.8	2.000	574.0
26-28	16-18	4	1.00	4.32	163.0	7.7	2.564	418.0
28-30	24-26	1	1.50	718.00	902.0	6.2	0.680	614.0
28-30	22-24	2	1.50	67.00	337.0	6.3	1.515	511.0
28-30	20-22	3	1.50	23.60	297.0	7.3	2.273	675.0
28-30	18-20	4	1.50	15.70	395.0	7.3	1.613	637.0
28-30	16-18	5	1.00	2.75	181.0	12.0	2.083	377.0
30-32	26-28	1	1.50	381.00	479.0	6.0	1.282	614.0
30-32	24-26	2	1.50	175.00	880.0	7.5	0.588	518.0
30-32	22-24	3	1.50	31.40	395.0	6.5	1.177	464.0
30-32	20-22	4	1.50	12.80	322.0	6.6	1.887	607.0
30-32	18-20	5	1.50	9.42	414.0	7.9	1.389	575.0

測定値一覧表 (2 / 6) 測線 T 2

P1-P2	C1-C2	n	I (A)	V (mV)	$\rho - a$ ($\Omega - m$)	FE (%)	Tc	$\rho - ac$ ($\Omega - m$)
0-2	4-6	1	0.75	1250.00	3141.0	3.5	0.488	1532.0
0-2	6-8	2	0.80	488.00	4599.0	4.4	0.463	2129.0
0-2	8-10	3	1.00	81.10	1529.0	5.6	0.794	1213.0
0-2	10-12	4	1.50	69.60	1749.0	4.4	0.855	1495.0
0-2	12-14	5	1.50	36.80	1619.0	4.6	0.926	1499.0
2-4	6-8	1	0.80	365.00	860.0	4.0	1.429	1229.0
2-4	8-10	2	1.00	36.40	275.0	5.0	2.381	655.0
2-4	10-12	3	1.50	27.00	339.0	5.6	2.500	848.0
2-4	12-14	4	1.50	13.80	347.0	5.0	2.632	913.0
2-4	14-16	5	1.50	4.84	213.0	4.5	3.704	789.0
4-6	8-10	1	1.00	124.00	234.0	5.5	1.923	450.0
4-6	10-12	2	1.50	67.40	339.0	5.0	1.667	565.0
4-6	12-14	3	1.50	28.70	361.0	5.6	1.639	592.0
4-6	14-16	4	1.50	9.78	246.0	6.1	2.273	559.0
4-6	16-18	5	1.70	4.76	185.0	4.6	3.448	638.0
6-8	10-12	1	1.50	629.00	790.0	6.2	1.000	790.0
6-8	12-14	2	1.50	173.00	870.0	5.4	0.877	763.0
6-8	14-16	3	1.50	99.90	1255.0	4.8	1.220	1531.0
6-8	16-18	4	1.70	76.50	1697.0	3.0	1.786	3030.0
8-10	12-14	1	1.50	194.00	244.0	4.5	1.333	325.0
8-10	14-16	2	1.50	39.10	197.0	3.9	1.587	313.0
8-10	16-18	3	1.50	16.10	202.0	5.1	2.222	449.0
8-10	20-22	5	1.70	26.10	1013.0	3.8	0.621	629.0
10-12	14-16	1	1.50	318.00	400.0	4.9	1.316	526.0
10-12	16-18	2	1.50	75.40	379.0	5.3	1.613	611.0
12-14	16-18	1	1.50	231.00	290.0	3.0	1.333	387.0
18-20	14-16	1	1.50	445.00	559.0	2.5	0.540	302.0
18-20	12-14	2	1.50	215.00	1081.0	4.2	0.565	611.0
18-20	10-12	3	1.50	74.40	935.0	5.2	0.704	658.0
18-20	8-10	4	1.00	13.10	494.0	4.8	0.962	475.0
18-20	6-08	5	0.80	14.80	1220.0	6.1	0.800	978.0
20-22	16-18	1	1.50	259.00	326.0	4.0	1.539	502.0
20-22	14-16	2	1.50	152.00	764.0	3.5	0.637	487.0
20-22	12-14	3	1.50	115.00	1445.0	3.1	0.461	665.0
20-22	10-12	4	1.50	55.30	1390.0	2.6	0.488	678.0
22-24	18-20	1	1.50	247.00	310.0	7.5	1.429	443.0
22-24	16-18	2	1.50	39.30	198.0	5.1	1.961	388.0
22-24	14-16	3	1.50	37.10	466.0	4.5	0.893	416.0
22-24	12-14	4	1.50	39.30	988.0	-2.0	0.571	565.0
22-24	10-12	5	1.50	25.60	1126.0	8.0	0.546	615.0
24-26	20-22	1	1.50	304.00	382.0	6.1	1.053	402.0
24-26	18-20	2	1.50	35.30	177.0	8.4	1.333	236.0
24-26	16-18	3	1.50	10.50	132.0	10.1	2.174	287.0
24-26	14-16	4	1.50	22.00	553.0	9.8	1.042	576.0
24-26	12-14	5	1.50	19.30	849.0	10.2	0.645	548.0
26-28	22-24	1	0.75	77.90	196.0	4.2	1.266	248.0
26-28	20-22	2	1.50	26.70	134.0	8.3	1.191	160.0
26-28	18-20	3	1.50	6.45	81.1	8.1	1.667	135.0
26-28	16-18	4	1.50	1.20	30.2	10.4	2.778	83.3
26-28	14-16	5	1.50	1.53	67.3	12.0	1.370	92.2
28-30	24-26	1	0.75	92.80	233.0	5.5	1.136	265.0
28-30	22-24	2	0.75	36.80	370.0	8.6	1.205	446.0
28-30	20-22	3	1.50	17.20	216.0	10.7	1.266	273.0
28-30	18-20	4	1.50	4.24	107.0	8.3	1.786	191.0
28-30	16-18	5	1.50	0.00	0.0	-99.9	3.276	0.0
30-32	26-28	1	1.00	215.00	405.0	7.6	1.191	483.0
30-32	24-26	2	0.75	31.10	313.0	8.2	1.163	364.0
30-32	22-24	3	0.75	14.10	354.0	9.4	1.316	466.0
30-32	20-22	4	1.50	8.74	220.0	8.6	1.409	310.0
30-32	18-20	5	1.50	2.64	116.0	9.5	2.041	237.0

測定値一覧表 (3 / 6) 測線 T 3

P1-P2	C1-C2	n	I (A)	V (mV)	ρ -a (Ω -m)	FE (%)	Tc	ρ -ac (Ω -m)
0-2	4-6	1	1.00	355.00	669.0	2.4	1.031	690.0
0-2	6-8	2	1.00	59.70	450.0	3.8	3.030	1364.0
0-2	8-10	3	1.00	17.00	321.0	2.3	1.235	396.0
0-2	10-12	4	1.00	15.70	592.0	2.2	0.775	459.0
0-2	12-14	5	1.00	5.25	346.0	2.5	1.205	417.0
2-4	6-8	1	1.00	165.00	311.0	3.8	3.122	972.0
2-4	8-10	2	1.00	38.80	293.0	2.3	1.064	312.0
2-4	10-12	3	1.00	30.80	581.0	3.2	0.685	398.0
2-4	12-14	4	1.00	8.93	337.0	4.2	1.075	362.0
2-4	14-16	5	1.00	1.87	123.0	3.8	2.703	332.0
4-6	8-10	1	1.00	552.00	1040.0	2.1	0.490	510.0
4-6	10-12	2	1.00	232.00	1749.0	2.8	0.435	761.0
4-6	12-14	3	1.00	56.80	1071.0	3.0	0.769	824.0
4-6	14-16	4	1.00	14.00	528.0	3.5	1.923	1015.0
4-6	16-18	5	1.00	13.10	864.0	3.2	1.149	993.0
6-8	10-12	1	1.00	149.00	281.0	2.3	1.370	385.0
6-8	12-14	2	1.00	26.30	198.0	5.3	2.440	483.0
6-8	14-16	3	1.00	6.13	116.0	7.2	5.882	682.0
6-8	16-18	4	1.00	4.40	166.0	9.6	3.448	572.0
6-8	18-20	5	0.70	3.50	329.0	9.5	1.667	550.0
8-10	12-14	1	1.00	51.70	97.5	2.7	1.923	187.0
8-10	14-16	2	1.00	11.50	86.7	3.1	3.704	321.0
8-10	16-18	3	1.00	3.12	58.8	4.2	2.000	118.0
8-10	18-20	4	0.70	7.12	384.0	3.0	0.935	359.0
10-12	14-16	1	1.00	102.00	192.0	2.1	1.887	362.0
10-12	16-18	2	1.00	49.40	373.0	4.3	0.877	327.0
10-12	18-20	3	0.70	25.60	689.0	3.4	0.437	301.0
12-14	16-18	1	1.00	379.00	714.0	3.8	0.575	411.0
12-14	18-20	2	0.50	62.60	944.0	2.7	0.417	393.0
18-20	14-16	1	1.00	212.00	400.0	3.6	1.099	440.0
20-22	16-18	1	1.00	72.20	136.0	8.0	1.786	243.0
20-22	14-16	2	1.00	23.10	174.0	8.1	1.724	300.0
20-22	12-14	3	1.00	21.60	407.0	10.1	0.625	254.0
20-22	10-12	4	1.00	14.70	554.0	-2.5	0.526	292.0
20-22	8-10	5	1.00	2.35	155.0	5.4	1.042	162.0
22-24	18-20	1	0.70	54.80	148.0	2.8	1.099	163.0
22-24	16-18	2	1.00	12.20	92.0	6.2	1.852	170.0
22-24	14-16	3	1.00	7.20	136.0	7.1	2.222	302.0
22-24	12-14	4	1.00	6.97	263.0	8.0	0.794	209.0
22-24	10-12	5	1.00	4.24	280.0	4.4	0.633	177.0
24-26	20-22	1	0.70	95.20	256.0	8.0	1.205	309.0
24-26	18-20	2	0.70	18.10	195.0	10.8	1.191	232.0
24-26	16-18	3	1.00	5.39	102.0	9.5	2.222	227.0
24-26	14-16	4	1.00	2.66	100.0	9.9	2.857	286.0
24-26	12-14	5	1.00	3.72	246.0	8.8	1.031	253.0
26-28	22-24	1	1.00	158.00	298.0	8.0	0.990	295.0
26-28	20-22	2	0.70	23.30	251.0	10.0	1.000	251.0
26-28	18-20	3	0.50	7.83	295.0	7.8	1.042	307.0
26-28	16-18	4	1.00	3.62	137.0	5.4	2.000	274.0
26-28	14-16	5	1.50	4.24	187.0	4.4	2.632	492.0
28-30	24-26	1	1.00	65.00	123.0	8.8	1.042	128.0
28-30	22-24	2	1.00	16.90	127.0	8.8	0.769	99.7
28-30	20-22	3	0.50	3.13	118.0	9.8	0.769	90.8
28-30	18-20	4	0.50	2.74	207.0	6.4	0.787	163.0
28-30	16-18	5	1.00	1.04	68.6	5.3	1.539	106.0
30-32	26-28	1	1.00	52.00	98.0	11.4	1.370	134.0
30-32	24-26	2	1.00	22.40	169.0	10.0	1.220	206.0
30-32	22-24	3	1.20	10.50	165.0	9.4	0.935	154.0
30-32	20-22	4	0.50	2.40	181.0	10.1	0.885	160.0
30-32	18-20	5	0.50	1.23	162.0	10.5	0.877	142.0

測定値一覧表 (4 / 6) 測線 T 4

P1-P2	C1-C2	n	I (A)	V (mV)	ρ -a (Ω -m)	FE (%)	Tc	ρ -ac (Ω -m)
0-2	4-6	1	1.00	101.00	190.0	1.2	0.971	185.1
0-2	6-8	2	1.00	19.00	143.0	0.8	1.961	280.0
0-2	8-10	3	1.20	12.20	191.0	1.1	1.010	193.0
0-2	10-12	4	1.50	11.00	277.0	1.3	1.042	289.0
0-2	12-14	5	1.50	7.48	329.0	2.0	1.111	366.0
2-4	6-8	1	1.00	78.80	149.0	1.6	2.174	324.0
2-4	8-10	2	1.00	29.90	225.0	-1.1	0.952	214.0
2-4	10-12	3	1.50	26.30	331.0	2.6	0.990	328.0
2-4	12-14	4	1.50	17.80	447.0	2.7	1.042	466.0
2-4	14-16	5	1.50	34.00	1495.0	5.4	0.615	917.0
4-6	8-10	1	1.20	174.00	273.0	1.5	0.439	120.0
4-6	10-12	2	1.50	102.00	513.0	-0.3	0.671	344.0
4-6	12-14	3	1.50	56.20	706.0	3.5	0.746	527.0
4-6	14-16	4	1.50	111.00	2790.0	1.2	0.465	1297.0
4-6	16-18	5	1.50	23.90	1051.0	2.8	0.758	796.0
6-8	10-12	1	1.50	122.00	153.0	1.2	1.563	239.0
6-8	12-14	2	1.50	33.80	170.0	6.3	1.587	270.0
6-8	14-16	3	1.50	105.00	1320.0	4.8	1.031	1361.0
6-8	16-18	4	1.50	23.90	601.0	4.2	1.695	1019.0
6-8	18-20	5	1.50	25.30	1113.0	2.9	2.439	2715.0
8-10	12-14	1	1.50	187.00	235.0	0.9	1.099	258.0
8-10	14-16	2	1.00	129.00	973.0	4.5	0.690	671.0
8-10	16-18	3	1.00	35.60	671.0	4.2	1.177	789.0
8-10	18-20	4	1.50	81.80	2056.0	2.8	1.640	3370.0
8-10	20-22	5	1.50	17.80	783.0	4.2	0.909	712.0
10-12	14-16	1	1.00	287.00	541.0	1.5	0.807	436.0
10-12	16-18	2	1.00	30.70	232.0	2.8	1.409	327.0
10-12	18-20	3	1.50	15.20	191.0	8.1	1.961	375.0
10-12	20-22	4	1.50	16.80	422.0	6.2	1.031	435.0
10-12	22-24	5	1.50	3.13	138.0	9.2	1.563	216.0
12-14	16-18	1	1.00	55.40	104.0	1.6	2.222	231.0
12-14	18-20	2	1.50	25.30	127.0	2.4	2.564	326.0
12-14	20-22	3	1.50	21.80	274.0	2.0	1.316	361.0
12-14	22-24	4	1.50	4.73	119.0	4.4	1.923	229.0
12-14	24-26	5	1.50	1.40	61.6	2.4	2.500	154.0
14-16	18-20	1	1.50	300.00	377.0	1.5	1.177	444.0
14-16	20-22	2	1.50	171.00	860.0	2.6	0.571	491.0
14-16	22-24	3	1.50	29.00	364.0	3.2	0.901	328.0
14-16	24-26	4	1.50	7.26	183.0	6.2	1.177	215.0
14-16	26-28	5	1.50	6.08	267.0	6.5	1.099	293.0
20-22	16-18	1	1.20	369.00	580.0	2.0	0.787	457.0
22-24	18-20	1	1.50	82.10	103.0	3.5	1.961	202.0
22-24	16-18	2	1.20	28.20	177.0	3.0	1.316	233.0
24-26	20-22	1	1.50	164.00	206.0	4.8	1.220	251.0
24-26	18-20	2	1.50	12.40	62.3	4.3	2.174	135.0
24-26	16-18	3	1.50	5.86	73.6	3.2	1.667	123.0
26-28	22-24	1	1.50	177.00	222.0	6.5	1.020	227.0
26-28	20-22	2	1.50	56.20	283.0	4.3	0.971	275.0
26-28	18-20	3	1.50	7.28	91.5	3.2	1.887	173.0
26-28	16-18	4	1.50	3.07	77.2	2.5	1.493	115.0
28-30	24-26	1	1.50	124.00	156.0	6.5	1.087	170.0
28-30	22-24	2	1.50	47.00	236.0	6.0	0.893	211.0
28-30	20-22	3	1.50	26.40	332.0	4.8	0.840	279.0
28-30	18-20	4	1.50	3.96	99.5	4.0	1.639	163.0
28-30	16-18	5	1.50	2.44	107.0	3.3	1.316	141.0
30-32	26-28	1	1.50	136.00	171.0	7.3	1.075	184.0
30-32	24-26	2	1.50	35.10	176.0	7.1	0.980	173.0
30-32	22-24	3	1.50	22.10	278.0	7.4	0.833	232.0
30-32	20-22	4	1.50	14.40	362.0	5.9	0.741	268.0
30-32	18-20	5	1.50	2.53	111.0	5.3	1.449	161.0

測定値一覧表 (5 / 6) 測線 T5

P1-P2	C1-C2	n	I (A)	V (mV)	ρ -a (Ω -m)	FE (%)	Tc	ρ -ac (Ω -m)
0-2	4-6	1	1.50	196.00	246.0	2.6	1.064	262.0
0-2	6-8	2	1.50	100.00	503.0	4.6	0.862	434.0
0-2	8-10	3	1.50	11.10	140.0	5.4	1.667	233.0
0-2	10-12	4	1.50	14.00	352.0	4.0	1.177	414.0
0-2	12-14	5	1.50	13.60	598.0	3.6	0.926	554.0
2-4	6-8	1	1.50	271.00	341.0	2.4	0.962	328.0
2-4	8-10	2	1.50	22.30	112.0	-0.6	1.786	200.0
2-4	10-12	3	1.50	29.30	368.0	-2.0	1.235	454.0
2-4	12-14	4	1.50	23.50	591.0	-0.9	0.980	579.0
2-4	14-16	5	1.50	16.70	735.0	0.8	1.020	750.0
4-6	8-10	1	1.50	86.40	109.0	5.7	2.128	232.0
4-6	10-12	2	1.50	67.10	337.0	4.0	1.220	411.0
4-6	12-14	3	1.50	49.00	615.0	3.6	0.971	598.0
4-6	14-16	4	1.50	25.60	643.0	3.5	1.020	656.0
6-8	10-12	1	1.50	454.00	571.0	4.5	0.641	366.0
6-8	12-14	2	1.50	242.00	1217.0	4.9	0.595	724.0
6-8	14-16	3	1.50	93.80	1179.0	5.4	0.685	808.0
6-8	16-18	4	1.50	12.70	319.0	4.4	1.064	339.0
6-8	18-20	5	1.50	3.67	161.0	3.6	1.316	212.0
8-10	12-14	1	1.50	202.00	254.0	6.4	1.220	310.0
8-10	14-16	2	1.50	51.60	259.0	6.5	1.389	360.0
8-10	16-18	3	1.50	6.01	75.5	7.4	2.174	164.0
8-10	18-20	4	1.50	1.73	43.5	6.2	2.632	115.0
8-10	20-22	5	1.50	.64	28.3	-99.9	2.222	62.9
10-12	14-16	1	1.50	448.00	563.0	4.6	1.299	731.0
10-12	16-18	2	1.50	36.30	183.0	3.9	1.786	327.0
10-12	18-20	3	1.50	8.10	102.0	3.2	2.083	213.0
10-12	20-22	4	1.50	4.38	110.0	4.7	1.695	187.0
10-12	22-24	5	1.50	1.93	84.9	6.3	1.786	152.0
12-14	16-18	1	1.50	260.00	327.0	4.9	1.449	474.0
12-14	18-20	2	1.50	35.80	180.0	4.3	1.449	261.0
12-14	20-22	3	1.50	16.00	201.0	5.6	1.163	234.0
12-14	22-24	4	1.50	6.83	172.0	10.4	1.163	200.0
12-14	24-26	5	1.50	4.17	183.0	5.2	1.299	238.0
16-18	4-6	5	1.50	3.96	174.0	3.5	1.539	268.0
18-20	14-16	1	1.50	179.00	225.0	2.5	1.136	256.0
20-22	16-18	1	1.50	200.00	251.0	3.2	0.943	237.0
20-22	14-16	2	1.50	59.40	299.0	3.6	0.855	256.0
22-24	18-20	1	1.50	81.50	102.0	4.6	1.235	126.0
22-24	16-18	2	1.50	47.10	237.0	5.4	0.990	235.0
22-24	14-16	3	1.50	23.40	294.0	6.1	0.885	260.0
24-26	20-22	1	1.50	112.00	141.0	6.3	1.220	172.0
24-26	18-20	2	1.50	27.10	136.0	5.8	1.351	184.0
24-26	16-18	3	1.50	20.80	261.0	6.6	1.163	304.0
24-26	14-16	4	1.50	12.70	319.0	6.3	1.000	319.0
26-28	22-24	1	1.50	140.00	176.0	5.5	0.971	171.0
26-28	20-22	2	1.50	28.20	142.0	6.5	0.962	137.0
26-28	18-20	3	1.50	10.60	133.0	6.5	1.150	153.0
26-28	16-18	4	1.50	8.44	212.0	7.7	0.990	210.0
26-28	14-16	5	1.50	5.61	247.0	8.9	0.840	208.0
28-30	24-26	1	1.50	29.80	37.4	5.0	1.010	37.8
28-30	22-24	2	1.50	30.00	151.0	5.7	0.820	124.0
28-30	20-22	3	1.50	12.30	155.0	6.9	0.820	127.0
28-30	18-20	4	1.50	5.52	139.0	8.5	0.952	132.0
28-30	16-18	5	1.50	4.95	218.0	6.1	0.820	179.0
30-32	26-28	1	1.50	114.00	143.0	6.7	1.351	193.0
30-32	24-26	2	1.50	23.40	118.0	6.9	1.220	144.0
30-32	22-24	3	1.50	13.10	165.0	5.5	1.010	167.0
30-32	20-22	4	1.50	6.72	169.0	6.5	0.962	163.0
30-32	18-20	5	1.50	3.51	154.0	5.3	1.099	169.0

測定値一覧表 (6 / 6) 測線 T 6

P1-P2	C1-C2	n	I (A)	V (mV)	$\rho - a$ ($\Omega \cdot m$)	FE (%)	Tc	$\rho - ac$ ($\Omega \cdot m$)
0-2	4-6	1	1.20	70.00	110.0	5.2	1.370	151.0
0-2	6-8	2	1.50	16.40	82.4	4.3	1.667	137.0
0-2	8-10	3	0.75	2.95	74.1	3.5	1.961	145.0
0-2	10-12	4	0.75	6.75	339.0	6.5	0.926	314.0
0-2	12-14	5	1.50	5.22	230.0	7.0	0.813	187.0
2-4	6-8	1	1.50	78.60	98.8	5.9	1.205	119.0
2-4	8-10	2	0.75	12.50	126.0	2.2	1.250	158.0
2-4	10-12	3	0.75	31.00	779.0	3.6	0.610	475.0
2-4	12-14	4	1.40	18.60	501.0	3.7	0.565	283.0
2-4	14-16	5	1.50	8.02	353.0	3.2	0.980	346.0
4-6	8-10	1	0.75	62.10	156.0	8.1	1.124	175.0
4-6	10-12	2	0.75	84.20	847.0	5.4	0.553	468.0
4-6	12-14	3	1.40	39.10	527.0	2.8	0.588	310.0
4-6	14-16	4	1.50	12.80	322.0	3.0	1.075	346.0
4-6	16-18	5	1.50	4.88	215.0	2.6	1.266	272.0
6-8	10-12	1	0.75	541.00	1359.0	8.9	0.614	835.0
6-8	12-14	2	1.40	79.80	430.0	9.6	0.840	361.0
6-8	14-16	3	1.50	16.20	204.0	5.4	1.639	334.0
6-8	16-18	4	1.50	4.62	116.0	4.6	1.852	215.0
8-10	12-14	1	1.40	78.00	105.0	10.0	1.695	178.0
8-10	14-16	2	1.50	11.90	59.8	6.5	2.941	176.0
8-10	16-18	3	1.50	3.32	41.7	4.1	3.125	130.0
10-12	14-16	1	1.50	78.90	99.2	9.7	1.818	180.0
10-12	16-18	2	1.50	15.10	75.9	8.7	1.539	117.0
12-14	16-18	1	1.50	40.30	50.6	9.6	1.235	62.5
18-20	14-16	1	1.50	116.00	146.0	6.4	0.909	133.0
18-20	12-14	2	1.40	9.92	53.4	8.7	0.855	45.6
18-20	10-12	3	0.75	3.93	98.8	8.7	1.205	119.0
18-20	8-10	4	0.75	1.01	50.8	6.6	2.500	127.0
18-20	6-8	5	1.50	3.12	137.0	4.4	1.587	218.0
20-22	16-18	1	1.50	122.00	153.0	6.3	1.191	182.0
20-22	14-16	2	1.50	42.70	215.0	7.4	0.848	182.0
20-22	12-14	3	1.50	10.80	136.0	7.8	0.769	105.0
20-22	10-12	4	0.75	6.53	328.0	6.4	1.075	353.0
20-22	8-10	5	0.75	4.17	367.0	3.3	2.273	834.0
22-24	18-20	1	1.50	235.00	295.0	7.8	1.191	351.0
22-24	16-18	2	1.50	33.60	169.0	6.4	1.250	211.0
22-24	14-16	3	1.50	14.90	187.0	7.5	0.893	167.0
22-24	12-14	4	1.50	3.64	91.5	8.3	0.826	75.6
22-24	10-12	5	0.75	2.22	195.0	6.8	1.205	235.0
24-26	20-22	1	1.50	160.00	201.0	7.8	1.136	228.0
24-26	18-20	2	1.50	34.10	171.0	9.8	1.149	197.0
24-26	16-18	3	1.50	7.73	97.1	8.3	1.333	130.0
24-26	14-16	4	1.50	4.26	107.0	8.7	0.952	102.0
24-26	12-14	5	1.50	1.78	78.3	7.6	0.870	68.1
26-28	22-24	1	1.50	49.30	62.0	6.6	1.429	88.6
26-28	20-22	2	1.50	26.30	132.0	7.9	1.471	194.0
26-28	18-20	3	1.50	9.99	126.0	6.8	1.613	203.0
26-28	16-18	4	1.50	3.10	77.9	7.7	1.887	147.0
26-28	14-16	5	1.50	1.87	82.2	7.9	1.333	110.0
28-30	24-26	1	1.50	112.00	141.0	7.6	0.741	104.0
28-30	22-24	2	1.50	30.90	155.0	6.1	0.704	109.0
28-30	20-22	3	1.50	22.20	279.0	7.0	0.769	215.0
28-30	18-20	4	1.50	10.20	256.0	7.2	0.862	221.0
28-30	16-18	5	1.50	3.80	167.0	7.3	1.020	170.0
30-32	26-28	1	1.50	82.80	104.0	7.5	1.724	179.0
30-32	24-26	2	1.50	19.70	99.0	8.8	1.064	105.0
30-32	22-24	3	1.50	11.20	141.0	7.5	0.962	136.0
30-32	20-22	4	1.50	10.10	254.0	7.3	0.980	249.0
30-32	18-20	5	1.50	4.89	215.0	7.5	1.075	231.0

Table A-6 Generalized drilling results

Drill Hole No.	Machine Type	Drilling Period	Drilled Length	Core		Number of Drilling Shift			Drilling Speed	
				Length	Recovery	Drilling	Preparation & Removing	Total	m/shift *	m/shift **
HJE - 7	L - 38	Sep. 7, 1990	305.00m	292.80m	96.0%	29	17	46	6.63	10.52
		Sep. 26, 1990								
HJE - 8	L - 38	Oct. 12, 1990	301.00m	277.00m	100.0%	25	16	41	7.34	12.04
		Oct. 23, 1990								
HJE - 9	L - 38	Nov. 2, 1990	205.00m	176.90m	99.8%	18	19	37	5.54	11.39
		Nov. 11, 1990								
Total	—	—	811.00m	746.70m	98.4%	72	52	124	6.54	11.26

Note * Drilled Length per one shift covering total works operated.

** Drilled Length per one shift covering net drilling operation.

Each hole (HJE 7, 8 & 9) were drilled in 3 shifts / day. (8 hours / shift)

Table A-7 Summary record of drilling results (MJE-7,8 and 9)

M J E - 7

Drilling Period	Periods		Number of Days	Actual Working Days	Pay off	Total Number of Workers
	Aug. 24, 1990 ~ Sep. 6, 1990	Sep. 7, 1990 ~ Sep. 26, 1990				
Preparation			14	14	—	287
Drilling			20	20	—	372
Removing			3	3	—	72
Total			37	37	—	731
Drilling Length	Planned Length	300.00 ■ Overburden	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+ 5.00 ■ Core Length	Depth (■)	Section (■)	Core Length (■)	Core Recovery (%)
Working Time	Drilled Length	305.00 ■ Core Recovery	0 ~ 96.10	96.10	84.60	88.0
	Drilling	169' 20"	96.10~199.90	103.80	103.10	99.3
	Accompanying Works	254' 40"	199.90~305.00	105.10	105.10	100.0
	Repairing	0'	—	—	—	—
	Sub Total	424'	100.0 %	Drilling Efficiency		
	Preparation	24'	—	$\frac{305}{20}$ ($\frac{\text{Total Length}}{\text{Drilling Days}}$)	15.3 m/Day	
Inserted Casing Pipe	Moving	16'	$\frac{305}{37}$ ($\frac{\text{Total Length}}{\text{Total Working Days}}$)	8.2 m/Day		
	Others	112'	$\frac{372}{305}$ ($\frac{\text{Net Drilling Workers}}{\text{Total Length}}$)	1.22 mens/m		
	Grand Total	576'	$\frac{731}{305}$ ($\frac{\text{Total Workers}}{\text{Total Length}}$)	2.40 mens/m		
	Pipe Size & Inserted Length	Inserted Length x 100	Recovery of Casing Pipe	Remarks		
NQ -- NUCP	16.50 ■	5.4 %				
BMCP	151.00 ■	49.5 %				

M J E - 8

Drilling Period	Periods		Number of Days	Actual Working Days	Pay off	Total Number of Workers
	Sep. 30, 1990 ~ Oct. 11, 1990	Oct. 12, 1990 ~ Oct. 23, 1990				
Preparation			12	12	—	364
Drilling			12	12	—	286
Removing			4	4	—	104
Total			28	28	—	754
Planned Length	300.00 m	Overburden	24.00 m	Core Recovery for Each 100m Section		
Increase or Decrease in Length	+ 1.00 m	Core Length	277.00 m	Depth (m)	Section (m)	Core Recovery (%)
Drilled Length	301.60 m	Core Recovery	100.0 %	24.00~120.50	96.50	98.0
Drilling	134' 10"		55.9 %	120.50~202.90	82.40	100.0
Accompanying Works	105' 50"		44.1 %	202.90~301.00	98.10	100.0
Repairing	0'		—	—	—	—
Sub Total	240'		100.0 %	Drilling Efficiency		
Preparation	40'		—	$\frac{301}{12}$ ($\frac{\text{Total Length}}{\text{Drilling Days}}$)		25.08 m/Day
Moving	24'		—	$\frac{301}{28}$ ($\frac{\text{Total Length}}{\text{Total Working Days}}$)		10.75 m/Day
Others	144'		—	$\frac{286}{301}$ ($\frac{\text{Net Drilling Workers}}{\text{Total Length}}$)		0.95 mens/m
Grand Total	448'		—	$\frac{754}{301}$ ($\frac{\text{Total Workers}}{\text{Total Length}}$)		2.50 mens/m
Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length x 100	Recovery of Casing Pipe	Remarks		
	NG - NUCCP	33.00 m	11.0 %			
	BWCP	195.50 m	65.0 %			

M J E - 9

	Preparation	Periods		Number of Days	Actual Working Days	Pay off	Total Number of Workers	
		Oct. 28, 1990 ~ Nov. 1, 1990	Nov. 2, 1990 ~ Nov. 11, 1990					
Drilling Period	Preparation	Oct. 28, 1990 ~ Nov. 1, 1990	Nov. 2, 1990 ~ Nov. 11, 1990	5	5	—	120	
	Drilling	Nov. 2, 1990 ~ Nov. 11, 1990		10	10	—	210	
	Removing	Nov. 12, 1990 ~ Nov. 25, 1990		14	14	—	397	
	Total	Oct. 28, 1990 ~ Nov. 25, 1990		29	29	—	727	
Drilling Length	Planned Length	200.00 ■	Overburden	27.80 ■	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+ 5.00 ■	Core Length	176.90 ■	Section (■)	Core Length (■)	Core Recovery (%)	
Working Time	Drilled Length	205.00 ■	Core Recovery	99.8 %	27.80~113.00	85.20	84.90	99.6
	Drilling	87' 40"	60.9 %	25.5 %	113.00~205.00	92.00	92.00	100.0
	Accompanying Works	56' 20"	39.1 %	16.4 %	—	—	—	—
	Repairing	0"	—	—	—	—	—	—
	Sub Total	144'	100.0 %	41.9 %	Drilling Efficiency			
	Preparation	40"	—	11.6 %	$\frac{205}{10}$	$(\frac{\text{Total Length}}{\text{Drilling Days}})$	20.50 ■/Day	
	Moving	112"	—	32.5 %	$\frac{205}{29}$	$(\frac{\text{Total Length}}{\text{Total Working Days}})$	7.07 ■/Day	
	Others	48"	—	14.0 %	$\frac{210}{205}$	$(\frac{\text{Net Drilling Workers}}{\text{Total Length}})$	1.02 mens/■	
	Grand Total	344'	—	100.0 %	$\frac{727}{205}$	$(\frac{\text{Total Workers}}{\text{Total Length}})$	3.55 mens/■	
	Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length x 100	Recovery of Casing Pipe	Remarks			
NQ — NUCP		28.00 ■	13.7 %	100.0 %				
BWCP		— ■	— %	— %				

Table A-8

Drilling equipments and consumed materials

A. Drilling Equipment

Article	Model	Specification	Quantity
Drilling Machine	L 38	Maker : Longyear Capacity : 80 ML 725m Dimensions : Height 1,450mm Length 2,120mm Weight (without Power Unit) : 1,150kg	1 set
Diesel Engine	F4L 912	Maker : Mitsui Deutz Horse Power : 52HP / 1,800rpm	1 set
Drilling Pump	520 RQ	Maker : Longyear Piston Diameter 57mm Stroke 57mm Max. Capacity 76l / min Max. Pressure 49kg / cm ² Weight (without Power Unit) : 395kg	2 set
Diesel Engine	FIL 210	Maker : Mitsui Deutz Horse Power : 8.5HP / 1,800rpm	2 set
Mixer	Jet Type	Run by Drilling Pump	1 set
Drill Rod		NQWL (3.00m / joint) BQWL (3.00m / joint) NQ - NU (2.50m / joint) BH (2.80m / joint)	85 joints 130 joints 18 joints 100 joints
Wireline Hoist		Attached to Drilling Machine	1 set
Water Supply Pump	MS 1,503	Maker : HARUYAMA Max. Capacity 150 l / min Max. Pressure 30kg / cm ² Weight (without Power Unit) : 40.8kg	2 set
Diesel Engine	NF 13 EK	Maker : YANMAR Diesel Horse Power : 12.5HP / 2,400rpm	2 set

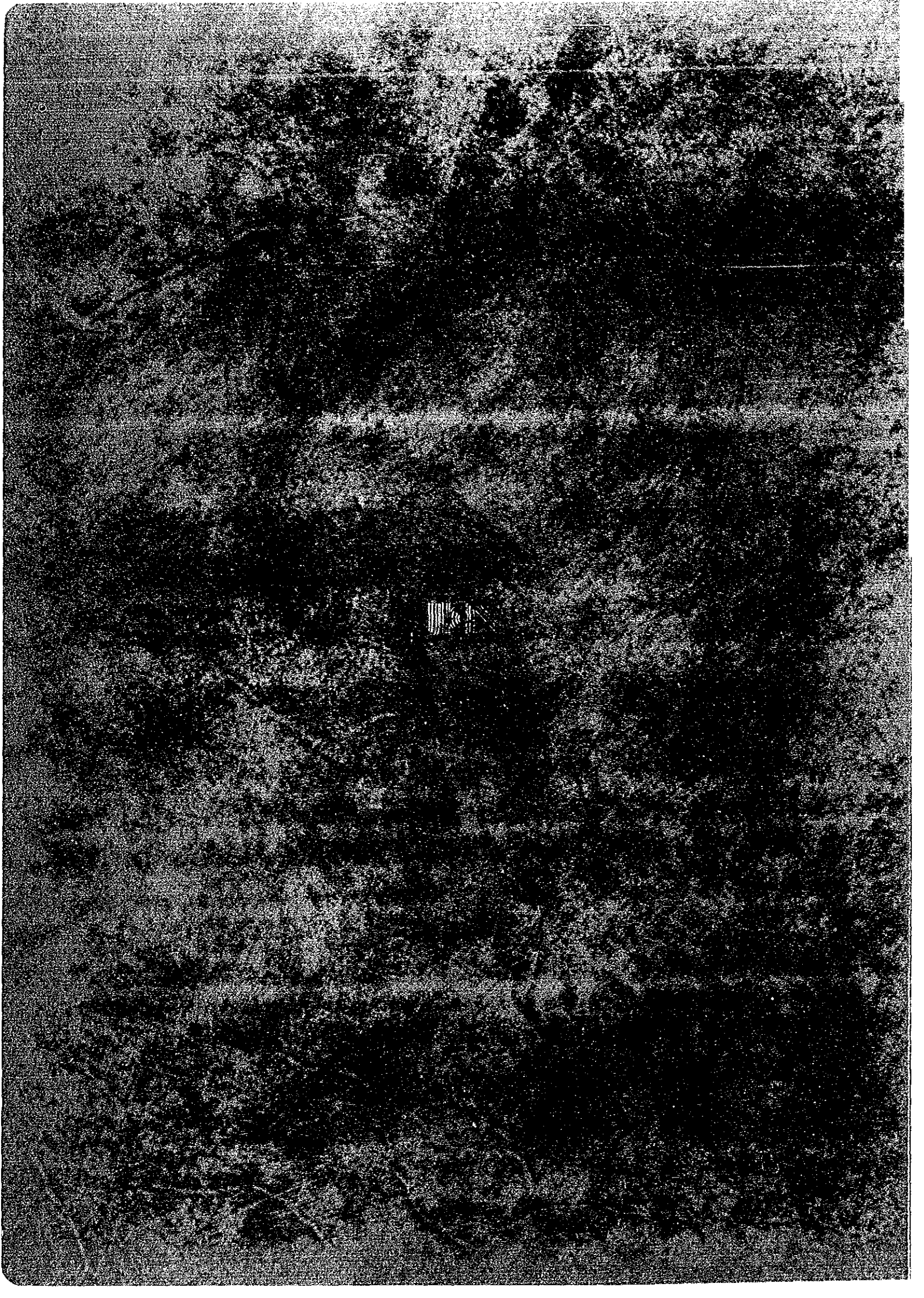
B. Consumed Materials

Article	Specification	Unit	Quantity			
			MJE - 7	MJE - 8	MJE - 9	Total
Light Oil	Engine	ℓ	1,937	975	810	3,722
Cement	40Kg/Sx	Sx	5	6	6	17
Bentonite	25Kg/Sx	Sx	118	48	40	206
Libonite	20Kg/Sx	Sx	18	7	4	29
C. M. C.	10Kg/Sx	Kg	138	76	66	280
TK60B	20Kg/Sx	Sx	45	25	18	88
TELSTOP	25Kg/Sx	Sx	7	4	4	15
Mud Oil	16ℓ /can	ℓ	509	230	177	916

C. Consumed Bit

Hole No. Bit Type		MJE - 7		MJE - 8		MJE - 9		Total	
		Drilled Length	Quantity	Drilled Length	Quantity	Drilled Length	Quantity	Drilled Length	Quantity
101mm Single	Metal Bit	16.50 m	8 pcs	33.00 m	4 pcs	28.00 m	4 pcs	77.50 m	16 pcs
	Dia. Shoe Bit	16.50	1	33.00	1	28.00	1	77.50	3 pcs
NQWL	Dia. Bit	134.50	15	162.50	4	177.00	4	474.00	23
	Dia. Reamer	134.50	6	162.50	3	177.00	3	474.00	12
BQWL	Dia. Bit	154.00	4	105.50	3	—	—	259.50	7
	Dia. Reamer	154.00	2	105.50	2	—	—	259.50	4

Dia. : Diamond



DRILLING LOG BALZAPAMBA AREA

MJE - 7

Coordinate : 7 0 7 . 8 8 E
9 8 0 5 . 6 8 N
Elevation : 1 6 2 0 m

Direction :
Inclination : - 9 0 °
Total depth : 3 0 5 . 0 0 m

(1)

Depth (m)	Col	Str	Description	Alt min	Ore min	Analysis												
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)					
10	×		Tuff f. sil. Py. diss. Tuff f. sil., pale grn. ~ grn. gy. f. Py. in crack, dendritic															
20	×		Tuff Ad. f. sil., lt. gy. Py. w/Q in cracks															
30	×		Tuff Ad. f. sil., lt. gy. Py. veinlet w/(Cp.?) Py. w/Chl.															
40	×		Tuff Ad. f. sil., lt. gy. Py. film & diss w/Chl. Tuff Ad. f. sil., lt. gy. arg. locally Cal. in veinlet(3) Oxi. Bio. in veinlet Py. > (Cp.) in cracks															
50	×		Tuff Ad. f. sil., lt. gy. Py. w/Ep. & Chl. Oxi. Bio. in crack (Or. + Cal. + Chl. + Bi.) Py. << (Cp.?) film in cracks Tuff Ad. f. sil., lt. gy. Py. w/Q in cracks															
60	×		Ad. Bs. m. gy. Py. >>(Cp.) in cracks Tuff Ad. f. sil. lt. gy. Py. >> (Cp.?) in cracks															
70	×		Tuff (Ad.) f. sil. Py. veinlet w/Chl. Py. veinlet															
80	×		Tuff (Ad.) f. sil. Sil. + wh. rock															
90	×		Tuff bracciated, Sil. Bio. in cracks Tuff calcareous & sil. Tuff bracciated, sil.															
100	×		Tuff br. Ad. calcareous & Sil. some bre. of calcareous															

Depth (m)	Col	Str	Description	Alt min	Ore min	Analysis												
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)					
100	△		Sil. - bre. Py. - veinlet Cal. veinlet Ad. tuffaceous & calcareous Py. >>(Cp.) film & diss.															
110	△		Calcite vein & Py. in crack m. gy. calcite in crack Ep. partly															
120	△		Tuff Ad. Ad. dk. bl. gn. Py. in crack Ep. patch & veinlet Ep. patches Py. in crack, Ep. patches															
130	△		Ad. m. gy. Py. in cracks Py. in cracks Py. in cracks Py. film & (Cp.) diss Py. diss, Sil. & Chl.															
140	△		Ad. m. bl. gy. Py. films in fractured zone Bi. gd. c. wh. gy. mass. comp. Py. film in cracks															
150	△		Ad. m. dk. bl. gn. Cp. dots in cracks Py. >>Cp. films in cracks Py. >>(Cp.)w/Chl. in cracks															
160	△		Py. >>Cp. film in cracks Py. film in cracks, Ep. patch Ad. m. dk. bl. gn., Sil. & Chl. Py. w/Chl. veinlets Bi. gd. m. wh. gy. mass. comp. Sil. Ad. m. dk. bl. gn. Cal. veinlet(2~3mm) Ep. veinlet Py. w/Chl. veinlets															
170	△		Py. film in cracks Py. film in cracks Py. >>Cp. film in cracks Py. w/Ep. Cal. veinlet Bi. gd. m. wh. gy. mass. comp. Py. veinlets(3 ~ 5mm)															
180	△		Py. >>(Cp.?) film in cracks Py. >Cp. film in cracks Py. >Cp. film in cracks Py. veinlets Py. >>Cp. film in cracks Py. >>Cp. film in cracks															
190	△		Py. >>Cp. film in cracks Py. >>Cp. film in cracks															
200	△		Py. >>Cp. film in cracks															

Ad.:Andesite Gd.:Granodiorite Qd.:Quartz diorite Dio.:Diorite
Py.:Pyrite Cp.:Caldopyrite Cal.:Calcite Mo.:Molybdenite Qz.:Quartz
Ep.:Epidote Chl.:Chlorite Ho.:Bornbrende Bi.:Biotite
sil.:siliceous oxi.:oxidized bre.:brecciated mass.:massive
f.:fine grained m.:medium grained c.:coarse grained w/:with
dk.:dark gn.:green color bl.:blue color gy.:gray color wh.:white color

Sil.:Siliceous Ch.:Chlorite Ep.:Epidote Arg.:Argillization
Py.:Pyrite Cpy.:Chalcopyrite Mo.:Molybdenite

DRILLING LOG BALZAPAMBA AREA

MJE - 8

Coordinate : 7 0 5 . 4 2 E
9 8 1 7 . 1 7 N
Elevation : 1 4 0 0 m

Direction :
Inclination : - 9 0 °
Total depth : 3 0 1 . 0 0 m

(1)

Depth (m)	Col.	Str.	Description	Alt min	Ora min	Analysis													
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)						
10																			
20																			
30			Ho. gd. gn. gy. mass. comp. Cp. Py. diss. & patch Ad. bre. -bg. Cp. Py. film & diss Sil.			30	Tr	3.0	0.23	0.00	0.01	0.00	0.00						
40			Ho. gd. gn. gy. mass. comp. Py. Cp. diss Ad. bre. -bg. Cp. Py. patch & diss			20	Tr	1.3	0.18	0.00	0.00	0.00	0.00						
50			sil.			20	Tr	1.0	0.18	0.00	0.01	0.00	0.00						
60			Cp. Py. film & diss			20	Tr	2.4	0.45	0.00	0.00	0.00	0.00						
70			Cp. Py. patch & diss			20	Tr	Tr	0.16	0.00	0.00	0.00	0.00						
80			Ad(ho.). bl. gn. mass. Cp. Py. film & diss			20	Tr	2.0	0.26	0.00	0.00	0.01	0.00						
90			Ho. gd. gn. gy. Ad. bre. gy. Cp. Py. film & diss.			20	Tr	1.2	0.09	0.00	0.01	0.00	0.00						
100			Cp. Py. film & diss.			20	Tr	Tr	0.24	0.00	0.00	0.00	0.00						

Depth (m)	Col.	Str.	Description	Alt min	Ora min	Analysis													
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)						
100			Ho. gd. gn. gy. mass. comp. Cp. Py. film & diss. Ad. bre. -bg.			20	Tr	1.7	0.13	0.01	0.02	0.00	0.00						
110			Cp. Py. film & diss			20	Tr	2.0	0.29	0.00	0.01	0.01	0.00						
120			Cp. Py. film & diss			20	Tr	Tr	0.08	0.00	0.00	0.00	0.00						
130			Cp. Py. film & diss			20	Tr	Tr	0.11	0.00	0.00	0.01	0.00						
140			Cp. Py. film & diss			20	Tr	Tr	0.06	0.00	0.00	0.00	0.00						
150			Ad(ho.). bl. gn. Chl. Cp. Py. film & diss			20	Tr	Tr	0.05	0.00	0.00	0.01	0.00						
160			Ho. gd. gn. gy. mass Ad(ho.). bl. gn. Ho. gd. gn. gy. mass			20	Tr	Tr	0.02	0.00	0.00	0.00	0.00						
170			Melano dio. Cp. Py. diss & film			20	Tr	Tr	0.04	0.00	0.00	0.00	0.00						
180			Ho. gd. gn. gy. mass Cp. Py. Cp. diss. & film			20	Tr	1.8	0.05	0.00	0.00	0.00	0.00						
190			Melano dio. Cp. Py. Cp. diss. & film			20	Tr	Tr	0.38	0.00	0.01	0.02	0.00						
200			Ho. gd. gn. gy. mass Cp. Py. Cp. diss. & film			20	Tr	Tr	0.07	0.00	0.00	0.01	0.00						

Ad. Andesite Gd. Granodiorite Qd. Quartz diorite Dio. Diorite
Py. Pyrite Cp. Calcopryrite Cal. Calcite Mo. Molybdenite Qz. Quartz
Ep. Epidote Chl. Chlorite Ho. Hornblende Bl. Biotite
sil. siliceous oxi. oxidized bre. brecciated mass. massive
f. fine grained m. medium grained c. coarse grained w/ with
dk. dark gn. green color bl. blue color gy. gray color wh. white color

Si. Siliceous Ch. Chlorite Ep. Epidote Arg. Argillization
Py. Pyrite Cpy. Chalcopyrite Mo. Molybdenite

DRILLING LOG
BALZAPAMBA AREA

MJE - 8

Coordinate : 7 0 5 . 4 2 E
9 8 1 7 . 1 7 N
Elevation : 1 4 0 0 m

Direction :
Inclination : - 9 0 °
Total depth : 3 0 1 . 0 0 m

(2)

Depth (m)	Col	Str	Description	Alt min	Ore min	Analysis								
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)	
210	H		Ho. gd. gn. gy. mass Py., Cp. diss. & film			20	Tr	Tr	0.03	0.00	0.00	0.00	0.00	0.00
220	H		Ho. gd. gn. gy. mass Py., Cp. diss. & film			20	Tr	Tr	0.03	0.00	0.00	0.00	0.00	0.00
230	H		Ho. gd. gn. gy. mass Py., Cp. diss. & film			20	Tr	Tr	0.03	0.00	0.01	0.00	0.00	0.00
240	H		Ho. gd. gn. gy. mass wk. Py., Cp. diss.			10	Tr	Tr	0.03	0.00	0.01	0.00	0.00	0.00
250	H		Ho. gd. gn. gy. mass wk. Py., Cp. diss.			10	Tr	Tr	0.02	0.00	0.01	0.00	0.00	0.00
260	H		Ho. gd. Ad.-bre. bg. (80%) wk. Py., Cp. diss.			10	Tr	Tr	1.5	0.01	0.01	0.03	0.00	0.00
270	H		Ho. gd. m. bl. gy. mass. comp Py., Cp. diss.			10	Tr	Tr	0.03	0.00	0.01	0.00	0.00	0.00
280	H		wk. Py. >> Cp. diss.			10	Tr	Tr	0.02	0.00	0.00	0.00	0.00	0.00
290	H		wk. Py. >> Cp. diss.			10	Tr	Tr	0.01	0.00	0.00	0.00	0.00	0.00
300	H		Ad(ho.). soapy. bre. Ho. gd. Chl. wk. Py. diss.			10	Tr	Tr	0.04	0.00	0.00	0.00	0.00	0.00

Depth (m)	Col	Str	Description	Alt min	Ore min	Analysis								
						CL	Au (%)	Ag (%)	Cu (%)	Pb (%)	Zn (%)	Mo (%)	W (%)	
100														
110														
120														
130														
140														
150														
160														
170														
180														
190														
200														

Sl.: Siliceous Ch.: Chlorite Ep.: Epidote Arg.: Argillization
Py.: Pyrite Cpy.: Chalcopyrite Mo.: Molybdenite

Ad.: Andesite Gd.: Granodiorite Qd.: Quartz diorite Dio.: Diorite
Py.: Pyrite Cp.: Calcopryrite Cal.: Calcite Mo.: Molybdenite Qz.: Quartz
Ep.: Epidote Chl.: Chlorite Ho.: Hornbrende Bl.: Biotite
sil.: siliceous oxl.: oxidized bre.: brecciated mass.: massive
f.: fine grained m.: medium grained c.: coarse grained w/.: with
dk.: dark ga.: green color bl.: blue color gy.: gray color wh.: white color

