Chapter 2 Recommendations for Phase III survey

Based on the findings of the Phase II survey, the following recommendations are made for the Phase III survey:

(1) Osohuayco zone, Balzapamba area (Fig.III-2-1)

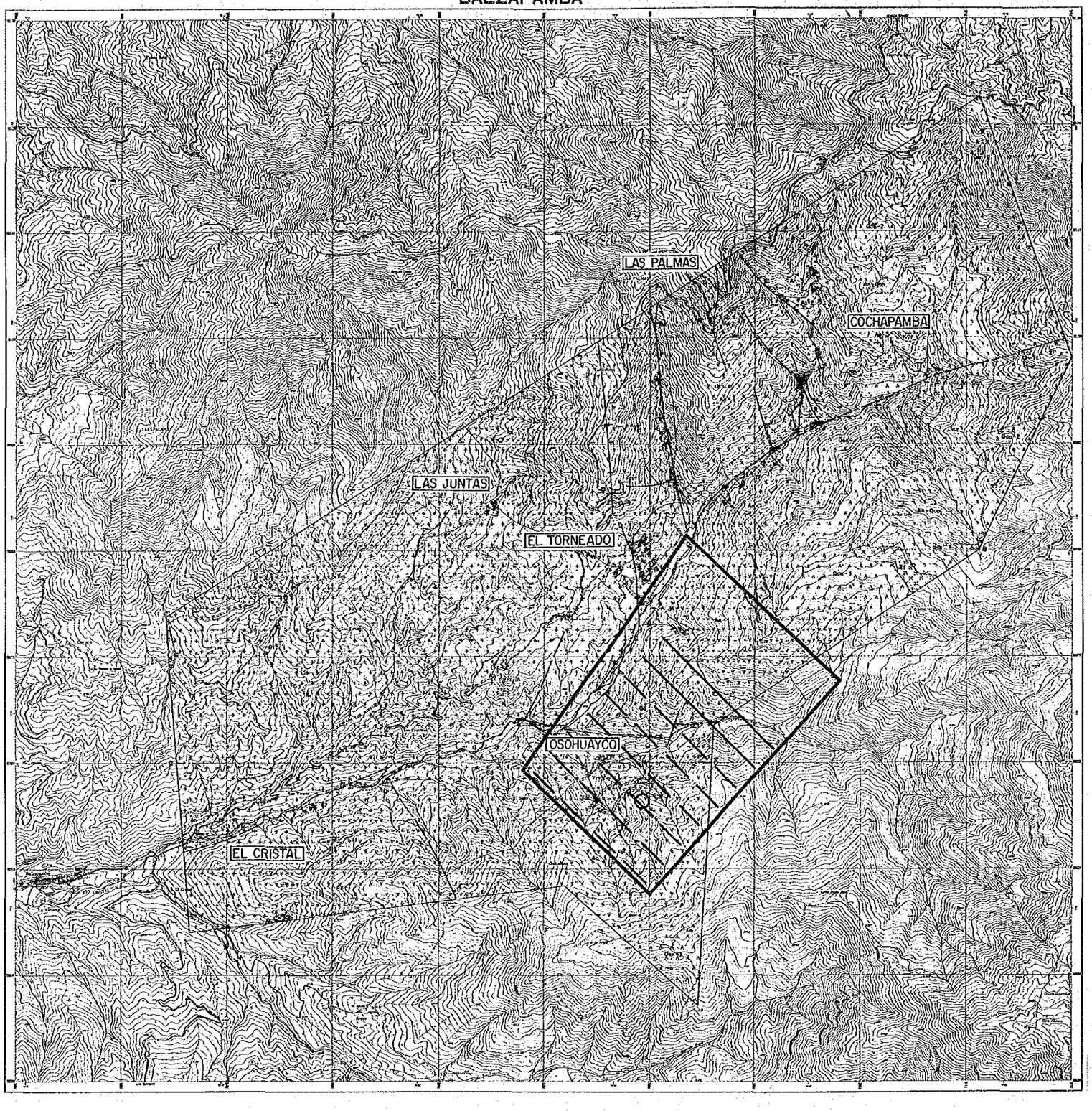
The geophysical anomalous zone with low resistivity and high FE (more than 8 %) in the northeastern part of the Osohuayco zone is large in scale. Along the survey line placed at the northeastern edge, FE values as high as 12.5 % and 10.3 % were detected. This anomalous zone seems to continue further in the northeastern direction, but its entirety and full details are yet to be known. Also, this areais covered with weathered soil, which makes it still difficult to grasp the features and conditions of the mineralization therein. It is, therefore, recommended to conduct further geological exploration, including pit and trench survey and geophysical surveys (IP method) by setting additional two survey lines in this area.

Drilling is also recommended to collect the necessary data with which to understand more precisely the features and conditions of the concealed mineralized zone below the anomalous zone in the northeast, as well as those of the two mineralized zones in the Macuchi Formation in the south of the area. In particular, the data obtained in the latter zones where mineralization is expected to continue further downward will not only make clear the conditions of mineral occurrence in the granodiorite rocks distributed at a depth in this particular area, but will support exploration as guidelines for future survey work in the Macuchi Formation within the Republic of Ecuador.

(2) Telimbela area (Fig.III-2-2)

The mineralized zones detected in the Telimbela area in the Phase II survey are the largest in scale. Mineral contents are comparatively high. These mineralized zones are considered to further expand toward the northeast, however, the full details of mineralization, including the extent of mineral showings on the ground surface, are yet to be known. It is, therefore, recommended to conduct further geological investigation in the areas where mineralization and alteration are evident, including pit and trench survey. Geophysical exploration (IP method) and drilling are also recommended to disclose the condition and extent of mineralization in the lower part.

BALZAPAMBA



LEGEND

Quaternary
- Q — Gravel, sand, clay

Cretaceous Mesachi Formation
- Qan-2 — Quartz-bg. andesite lava with its pyroclastics (Tf) (F Member)
- An~Qan — Alternation of andesite and quartz-bg andesite lavas with their pyroclastics (E Member)
- An-3 — Andesite lava with quartz-bg. andesite lava (D Member)
- Tf — Andesitic to quartz-bg. andesitic pyroclastics (D Member)
- An-2 — Andesite lava (C Member)
- Qan-1 — Quartz-bg. andesite lava with its pyroclastics (B Member)
- An-1 — Andesite lava with its pyroclastics and sediment (Tf), and hornfels (A Member)

Intrusive Rocks
- Gd — Granodiorite
- Di — Melanocratic diorite dyke
- Tr — Trachyandesite dyke
- Ap — Aplite dyke

- Dip and strike of bedding plane
- Geological boundary
- Fault
- Anticlinal axis
- Synclinal axis
- Mineralized zone (Presumed)
- Vein
- Alteration zone
- A — B Section line

- Recommended area for third year survey
- Recommended drill point (MJE-7)
- Recommended IP survey line
- IP surveyed line

0 — 2km

Fig. III–2–1 Recommended area for third year survey of the Osohuayco, Balzapamba area

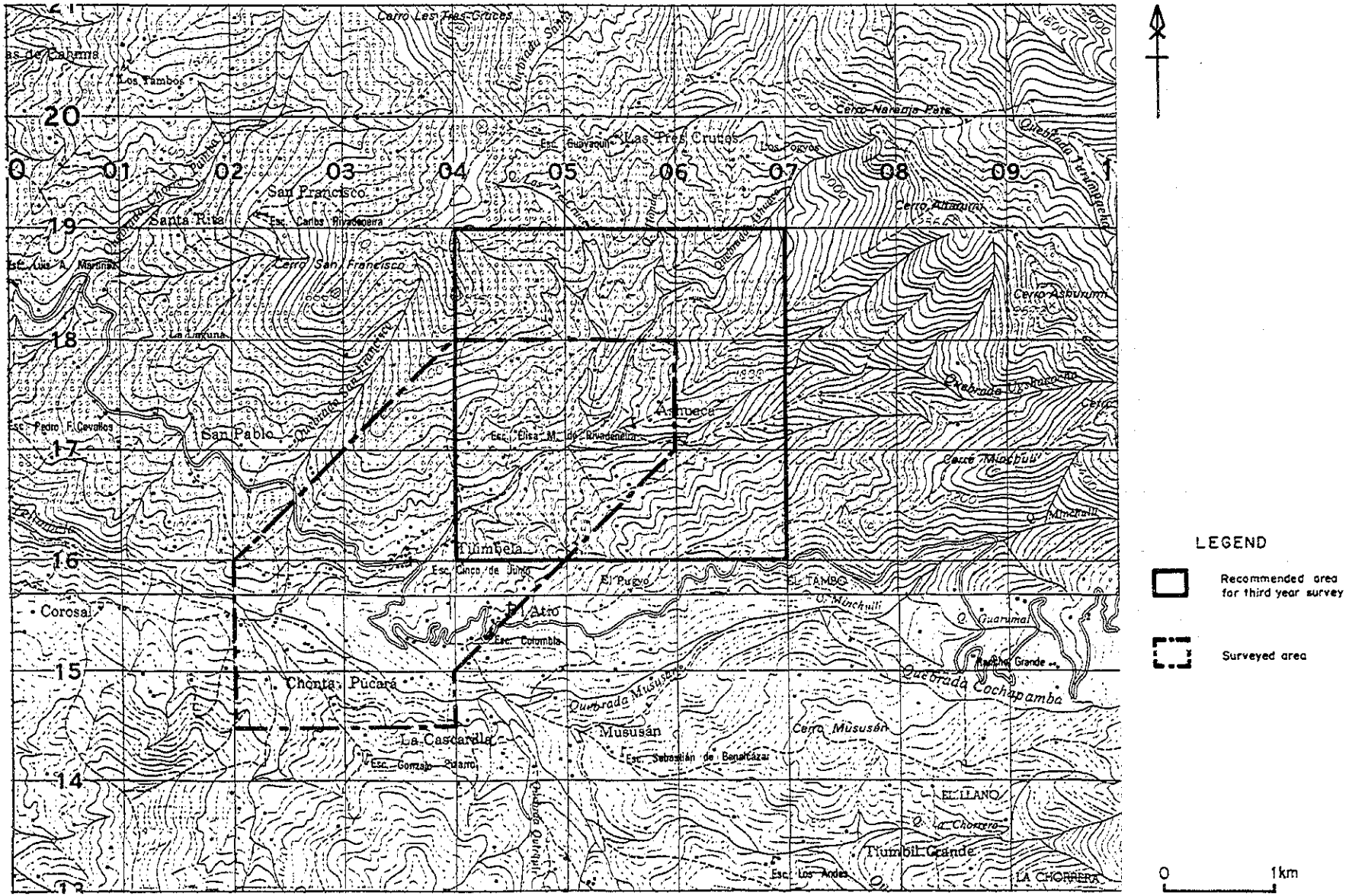


Fig. III–2–2 Recommended area for third year survey of the Telimbela area

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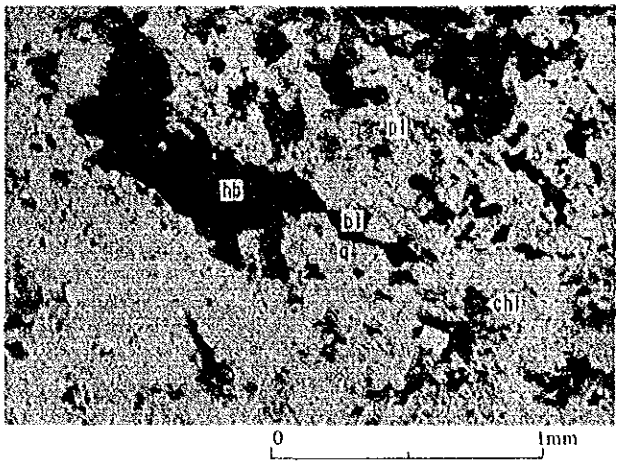
APPENDIXES

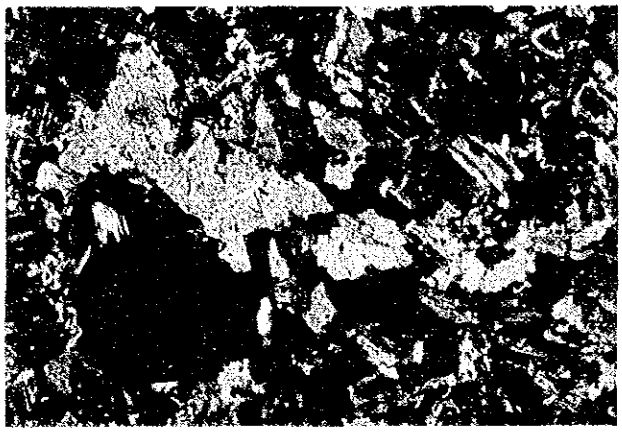
Photo A–1 Microphotograph of thin section

Abbreviations

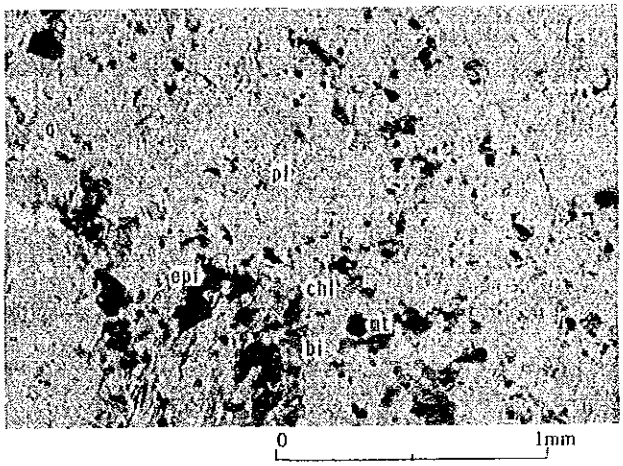
q	:	quartz
pl	:	plagioclase
bi	:	biotite
hb	:	hornblende
chl	:	chlorite
epi	:	epidote
mt	:	magnetite



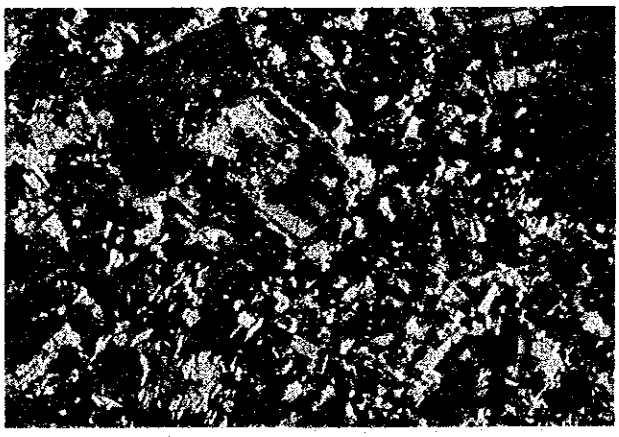
Sample No. : A2009
Rock name : Biotite - hornblende diorite
Location : Chaso Juan
Texture : Partly porphyritic
(only lower polar)



(crossed polars)



Sample No. : B2019
Rock name : Porphyritic hornblende-biotite quartz diorite
Location : Telimbela
Texture : Porporphyritic
(only lower polar)



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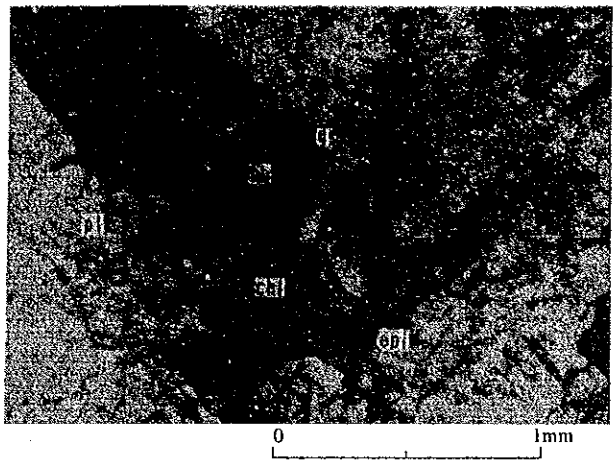
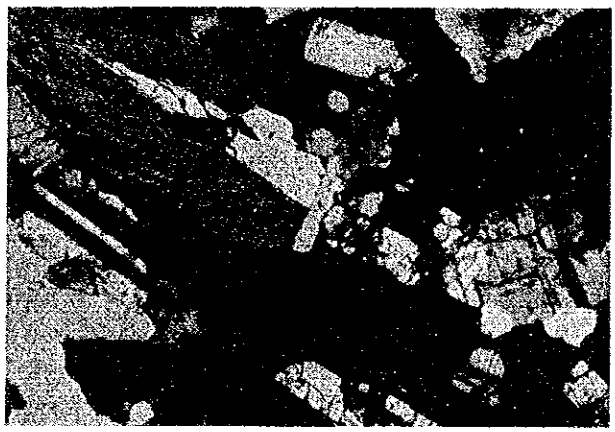
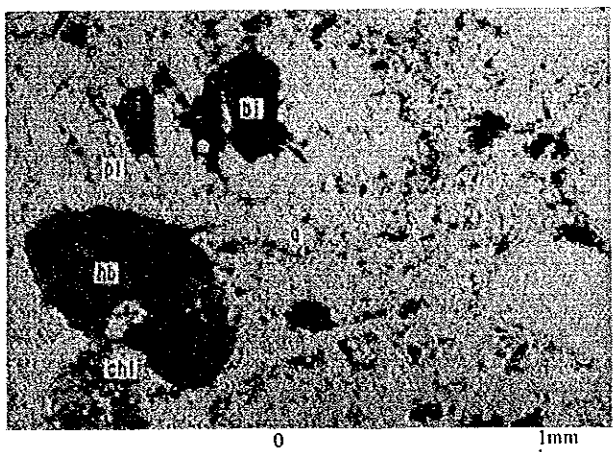


Sample No. : C2062
Rock name : Hornblende quartz diorite
Location : Telimbela
Texture : Holocrystalline
(only lower polar)



(crossed polars)



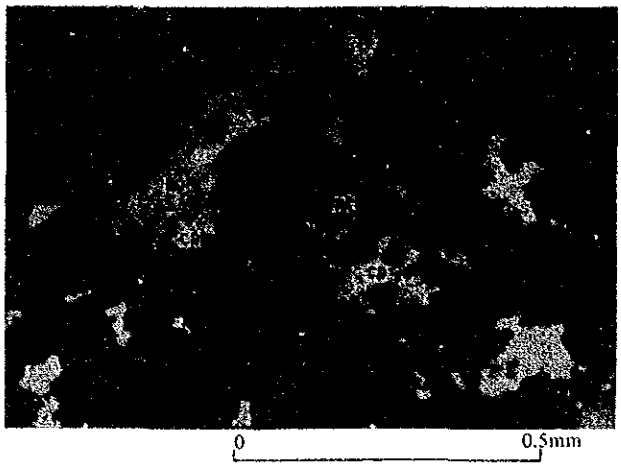
Sample No. : A2076
Rock name : Porphyritic quartz diorite
Location : Las Guardias
Texture : Porphyritic
(only lower polar)

(crossed polars)

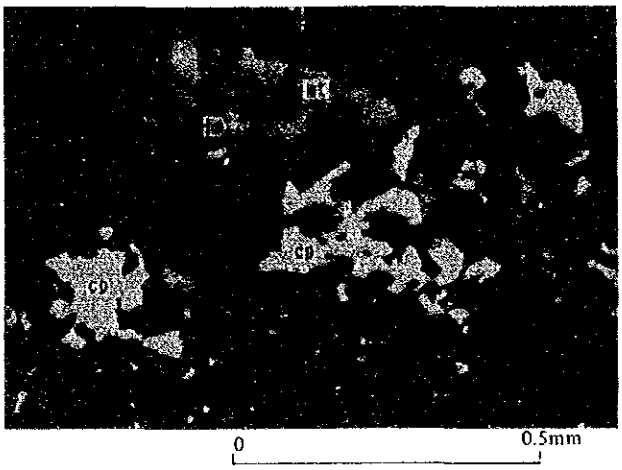
Photo A–2 Microphotograph of polished section

Abbreviation

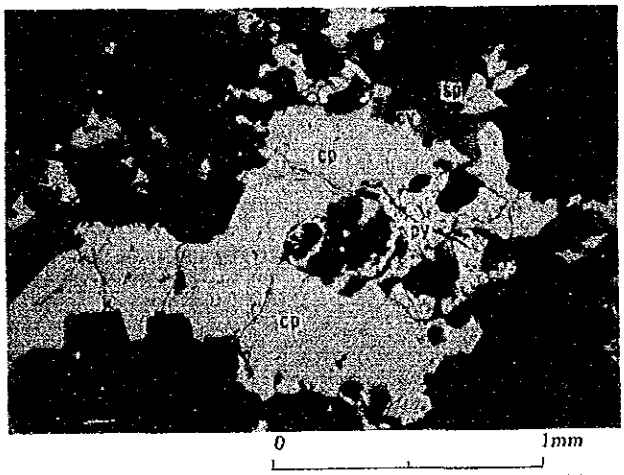
cp	:	chalcopyrite
cv	:	covellite
mo	:	molybdenite
py	:	pyrite
mt	:	magnetite
hm	:	hematite
sp	:	sphalerite



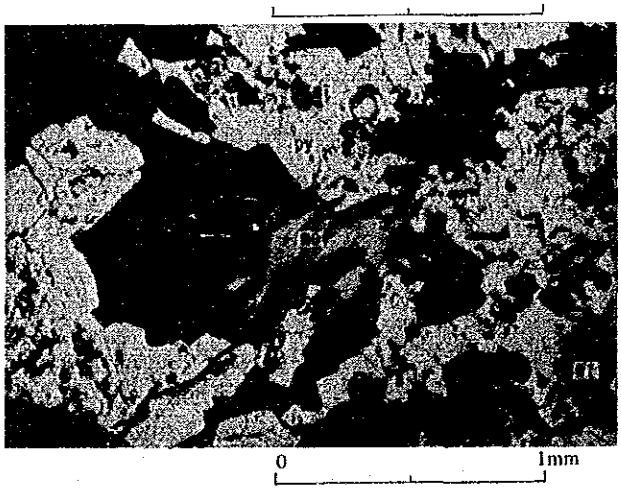
Sample No. : A2017
Ore name : Chalcopyrite > pyrite-magnetite veinlets and dissemination
Location : Chaso Juan
(only lower polar)



Sample No. : A2035
Ore name : Chalcopyrite dissemination
Location : Telimbela
(only lower polar)

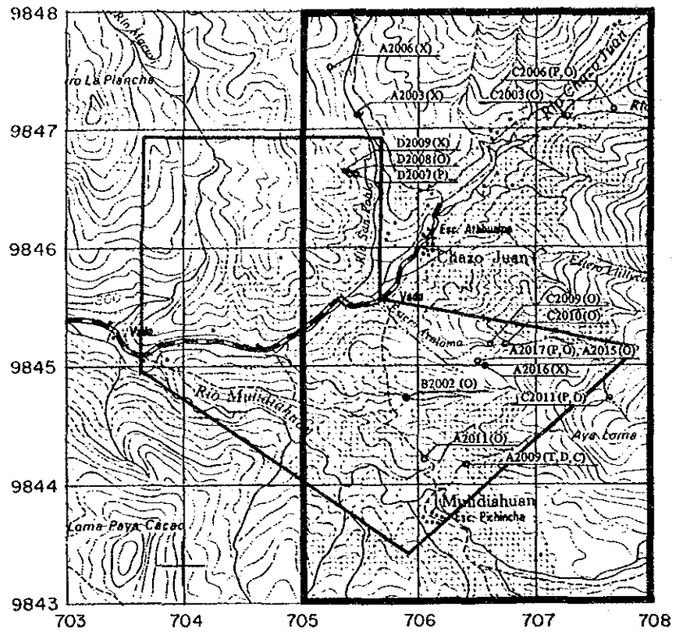


Sample No. : C2043
Ore name : Chalcopyrite-pyrite > molybdenite ore (chalcopyrite-pyrite rich part)
Location : Las Guardias
(only lower polar)

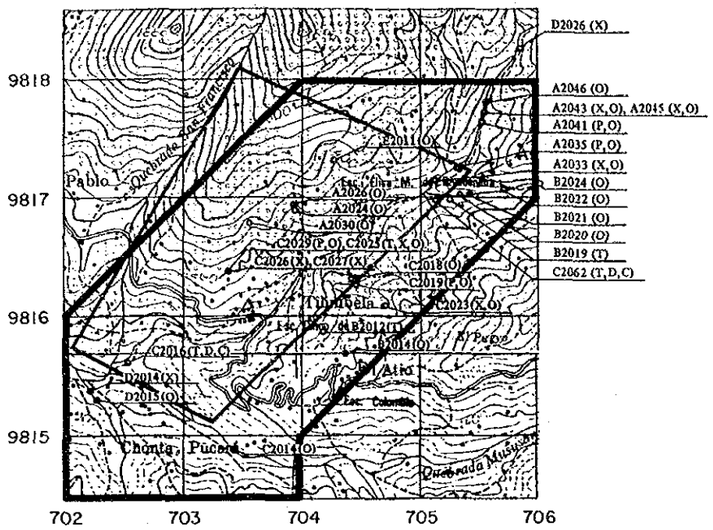


Sample No. : C2043
Ore name : Chalcopyrite-pyrite > molybdenite ore (pyrite-molybdenite rich part)
Location : Las Guardias
(only lower polar)

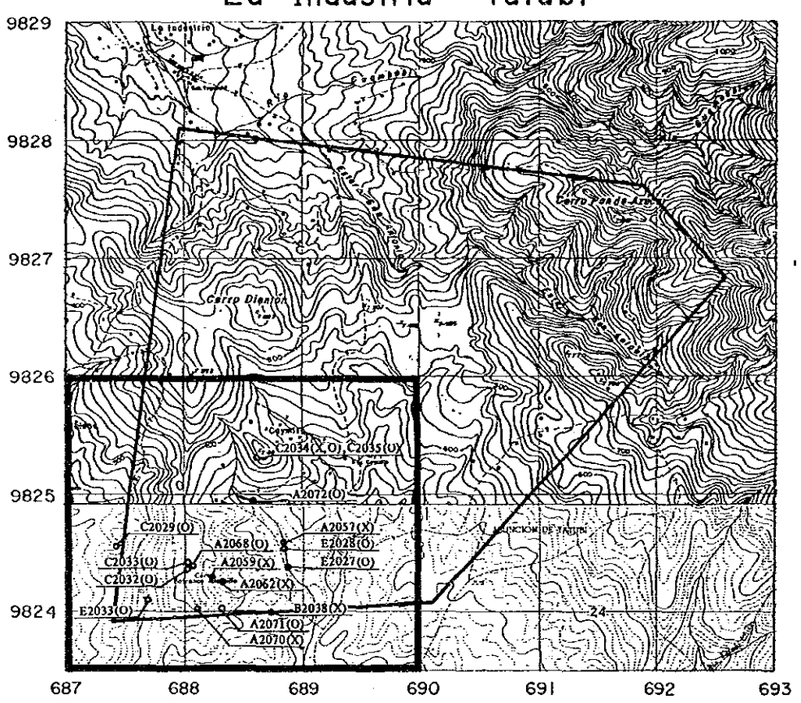
Chaso Juan



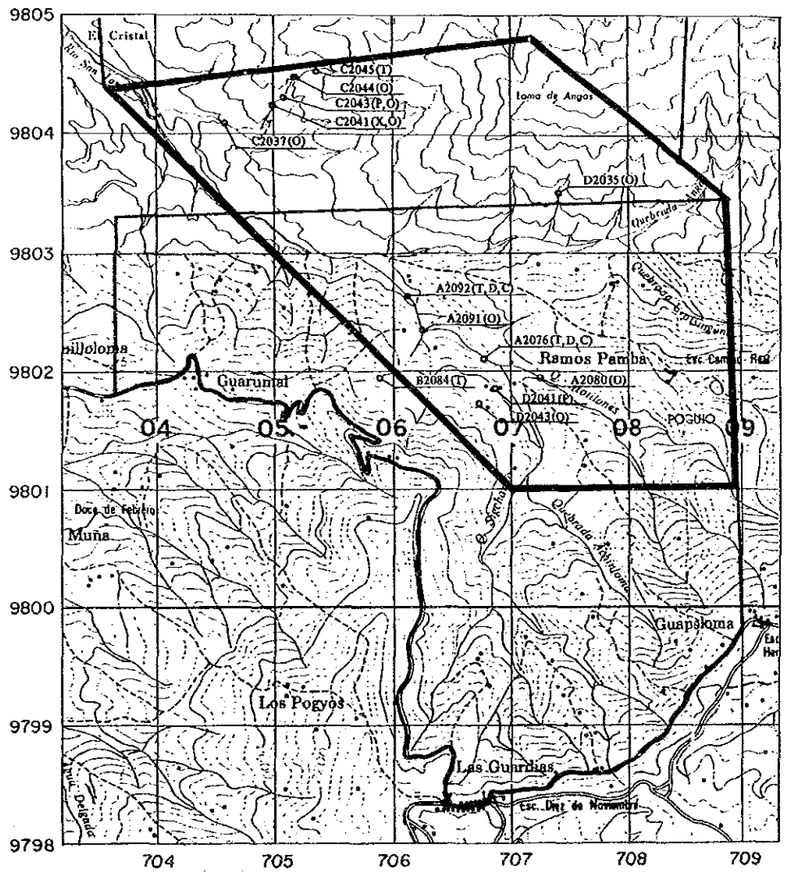
Telimbela



La Industria - Yatubi



Las Guardias



LEGEND

A2001 (T, X, D, C, P, O)

Sampling point and sample number

T : Thin section
X : X-ray diffractive analysis
D : Dating (K/Ar)
C : Chemical analysis of rock
P : Polished section
O : Ore analysis

0 1 2km

Fig. A–1 (1) Location map of the samples tested (rock and ore)

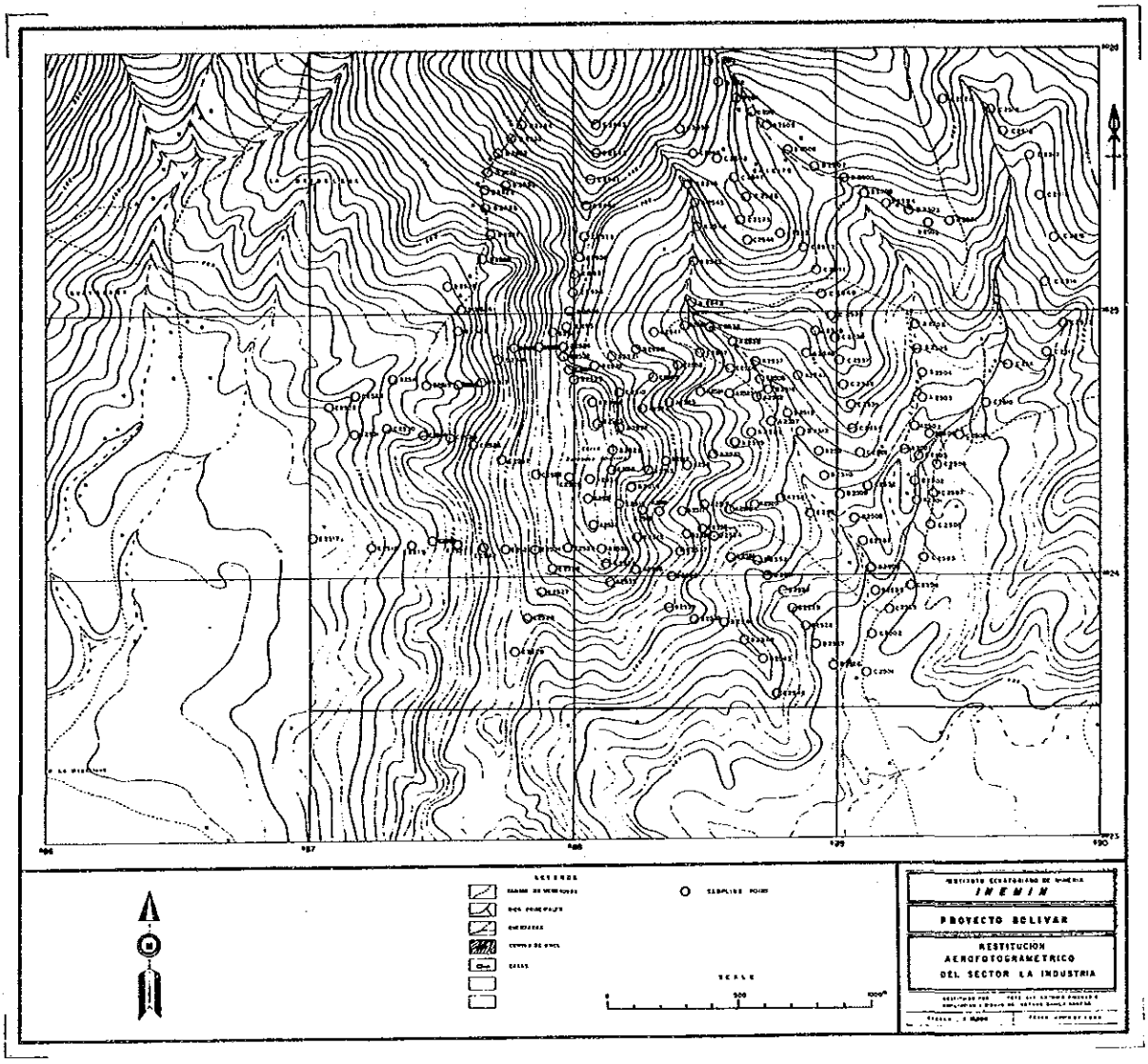
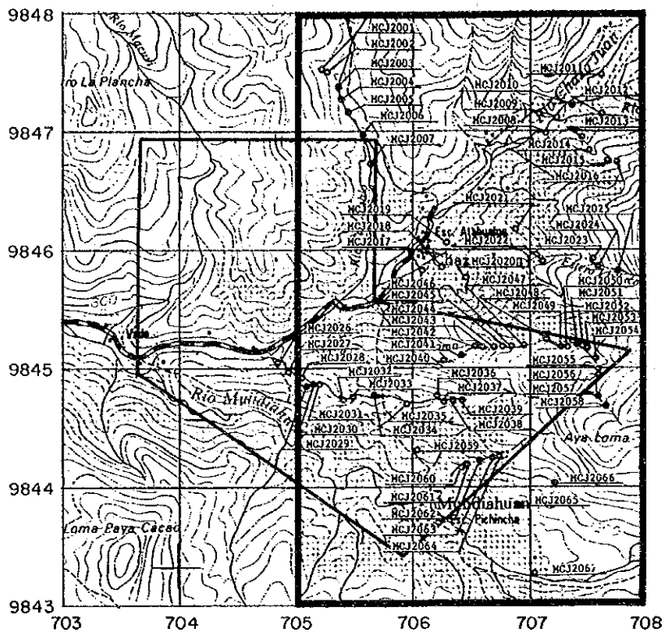
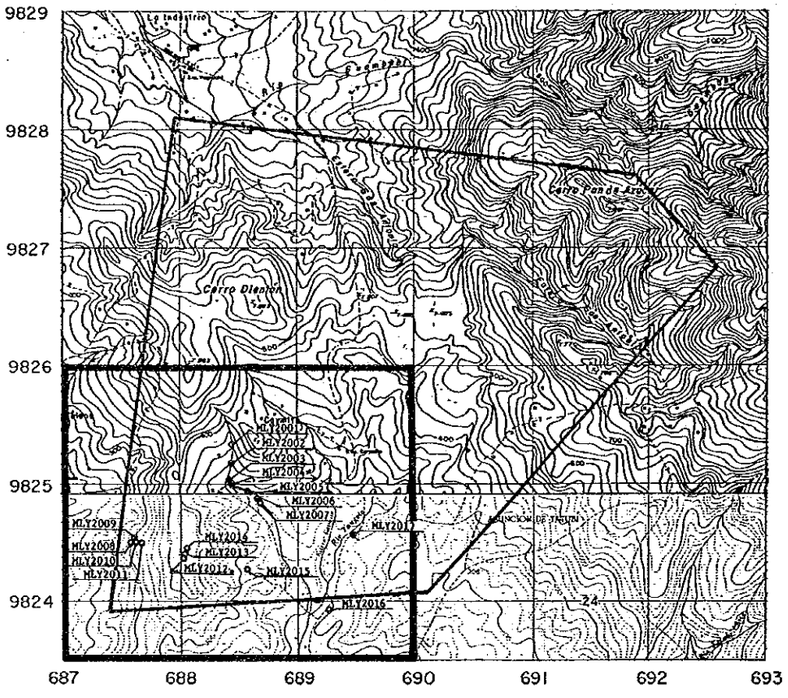


Fig. A–1 (2) Location map of the samples tested (soil)

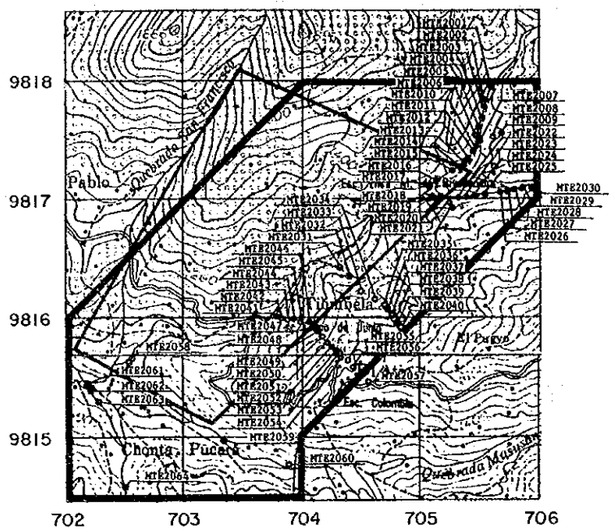
Chaso Juan



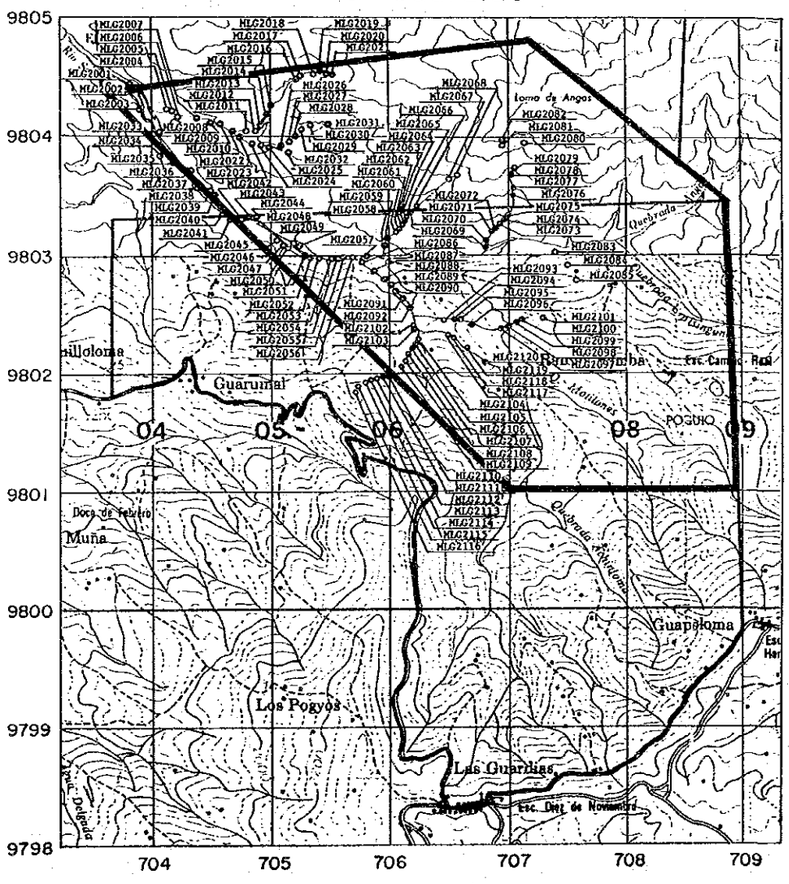
La Industria - Yatubi



Telimbela



Las Guardias



LEGEND

MCJ2001

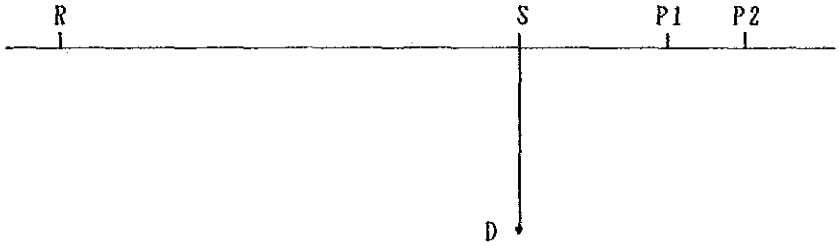
Measured point and measured point number of magnetic susceptibility

0 1 2 km

Fig. A–2 Location map of the measured point of the magnetic susceptibility

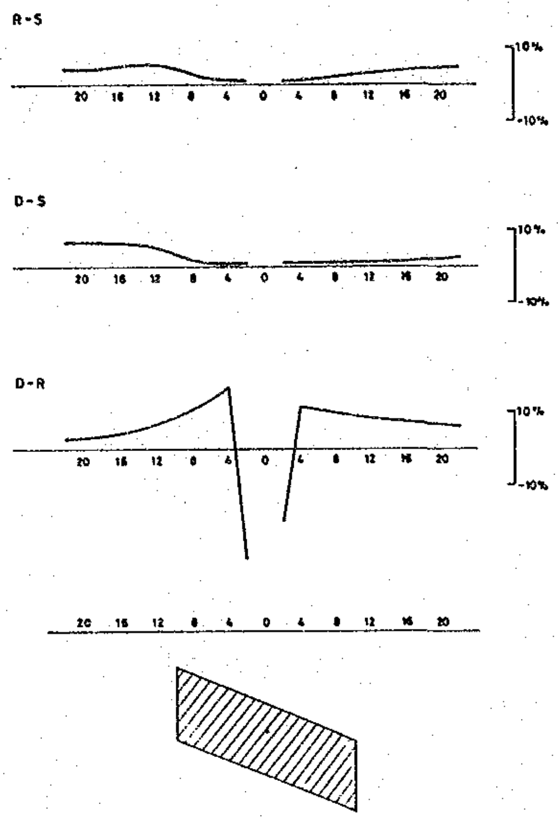
Fig. A–3 Basic patern model of borehole IP

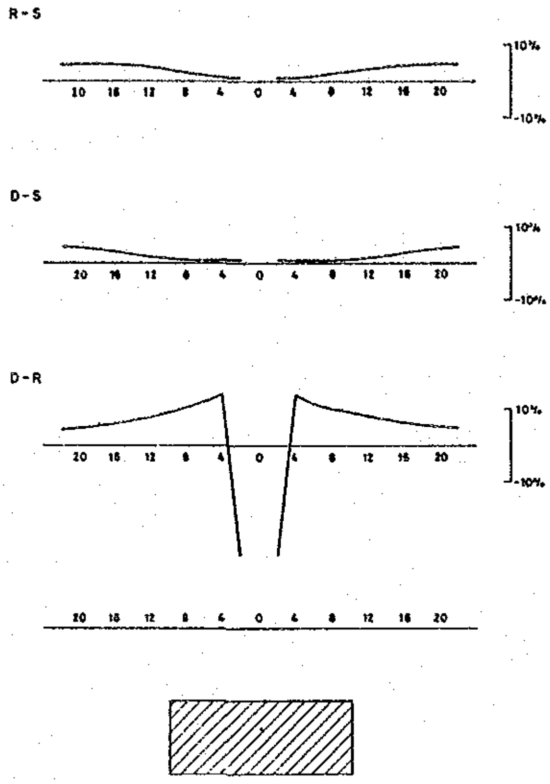
	RESISTIVITY (Ohm-m)	PFE (%)
BACK-GROUND	1000.0	1.0
ORE BODY	1000.0	20.0

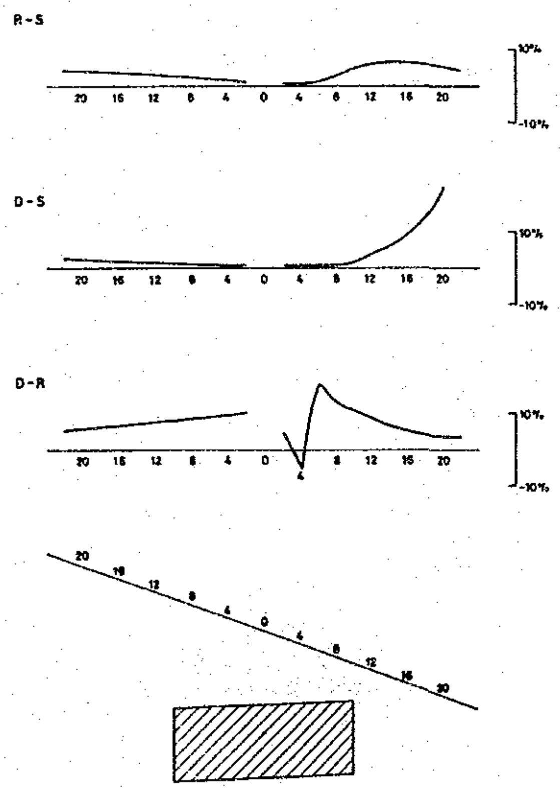


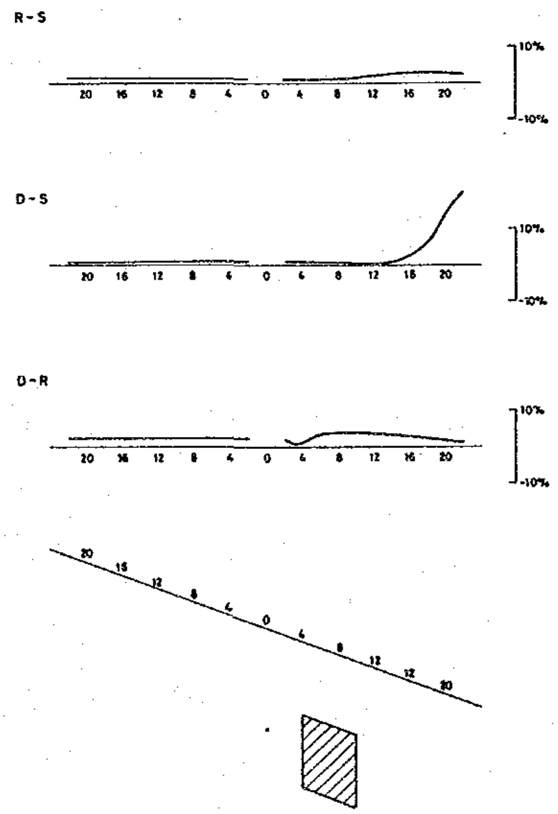
R : Remote Current Electrode
S : Surface Current Electrode
D : Downhole Current Electrode
P1, P2 : Potential Electrode

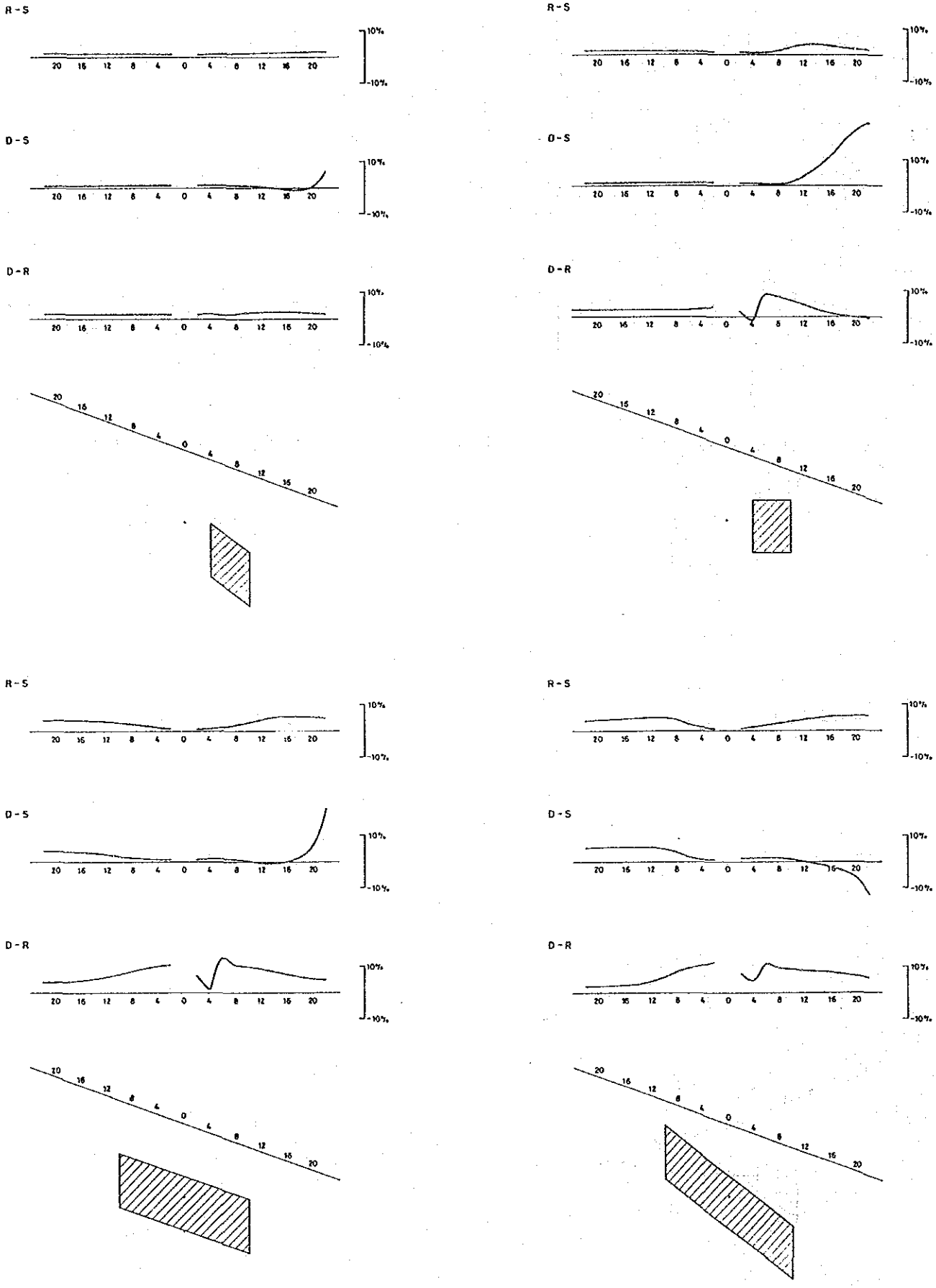
R-S = 575m
S-D = 275m
P1-P2 = 50m


R - S
D - S
D - R
10%
-10%
20 16 12 8 4 0 4 8 12 16 20

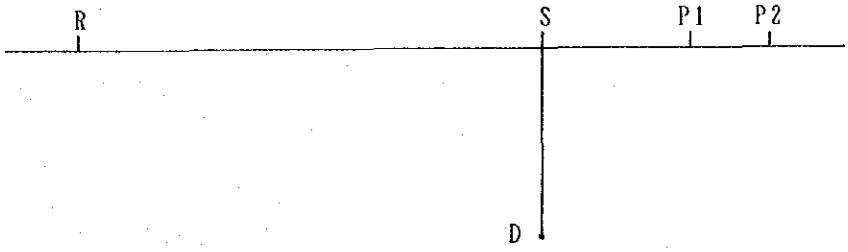

R - S
D - S
D - R
10%
-10%
20 16 12 8 4 0 4 8 12 16 20


R - S
D - S
D - R
10%
-10%
20 16 12 8 4 0 4 8 12 16 20


R - S
D - S
D - R
10%
-10%
20 16 12 8 4 0 4 8 12 16 20

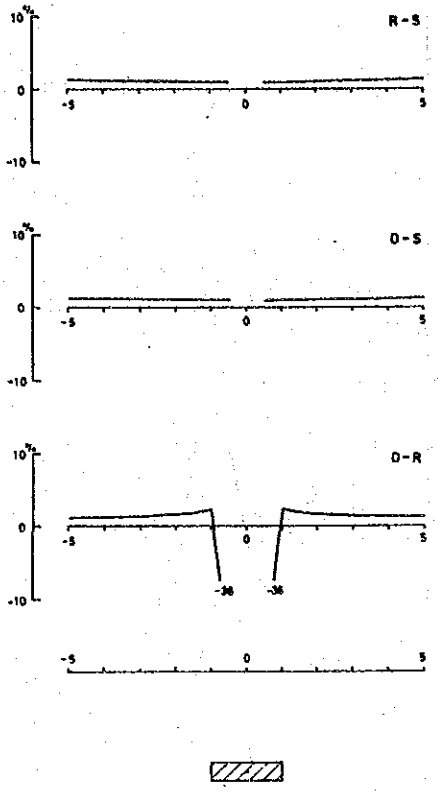

R - S
D - S
D - R
20 16 12 8 4 0 4 8 12 16 20
10%
-10%

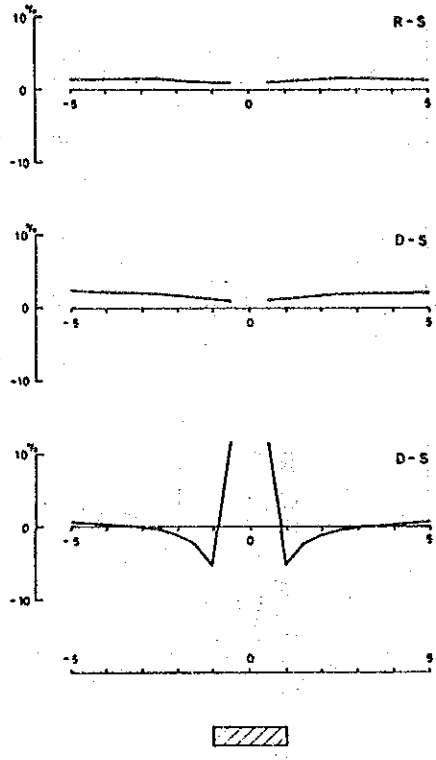
	RESISTIVITY (Ohm-m)	PFE (%)
BACK-GROUND	1000.0	1.0
ORE BODY	2000.0	10.0

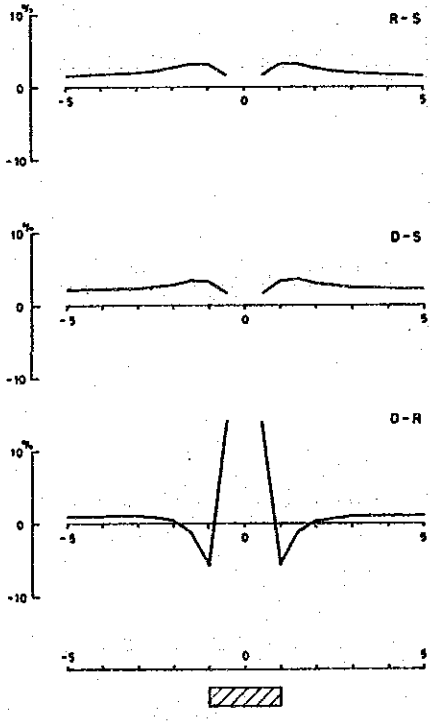


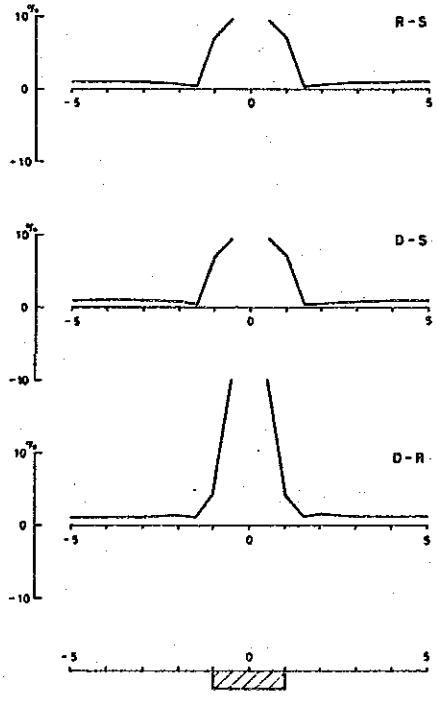
R : Remote Current Electrode
S : Surface Current Electrode
D : Downhole Current Electrode
P1,P2 : Potential Electrode

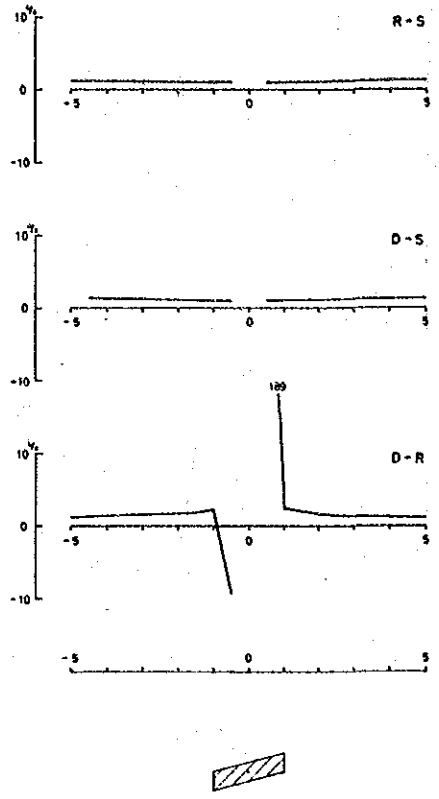
R-S = 575m
S-D = 275m
P1-P2 = 50m

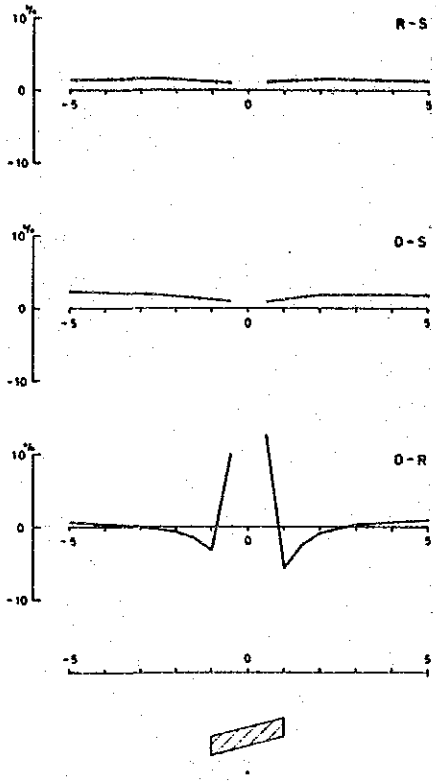

R-S
D-S
D-R
-36
-36

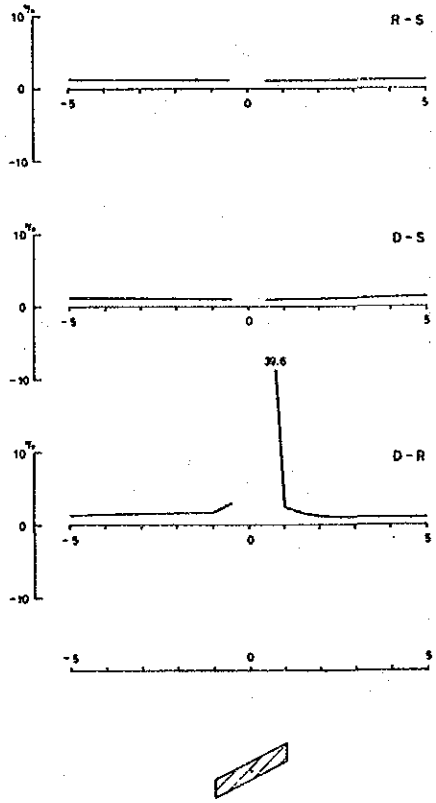

R-S
D-S
D-S

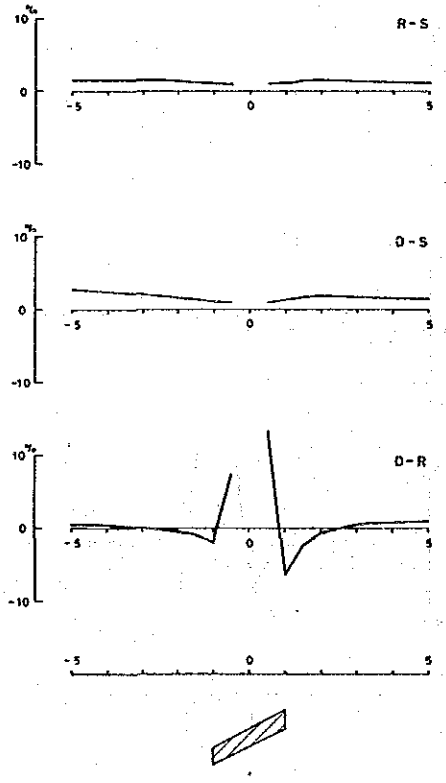

R-S
D-S
D-R

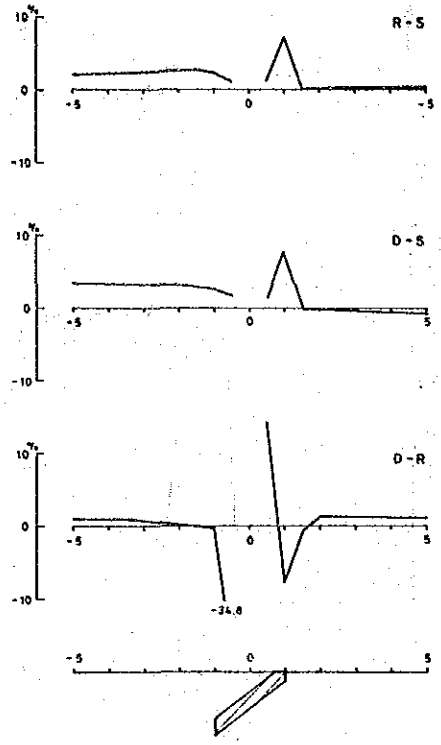

R-S
D-S
D-R

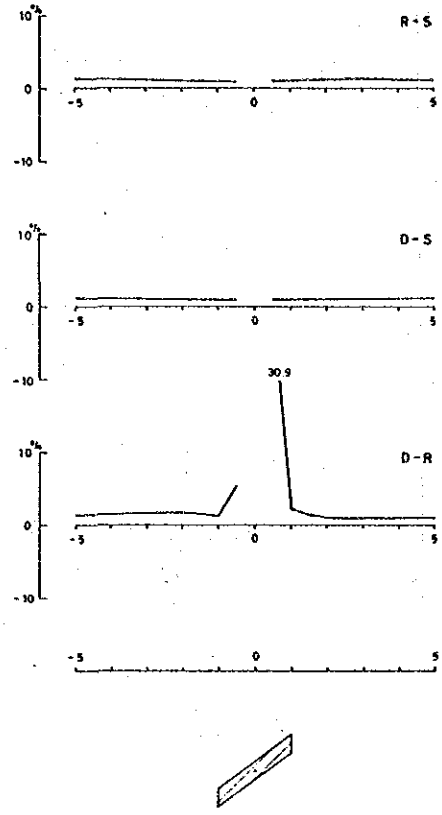

R - S
D - S
189
D - R
-5
0
5
10
0
-10

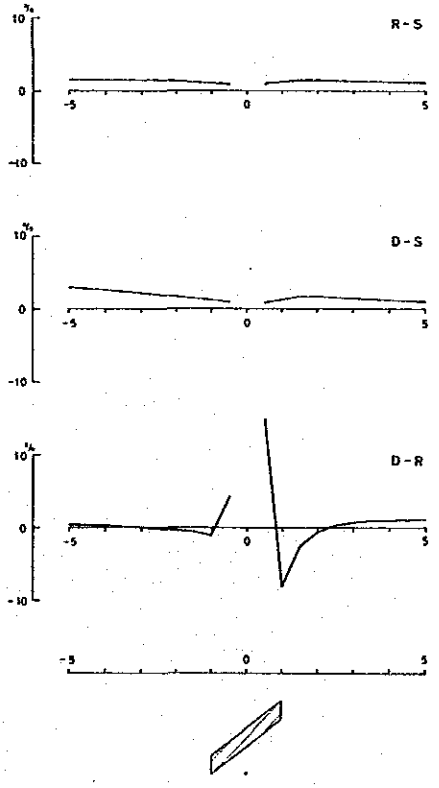

R - S
D - S
D - R
-5
0
5
10
0
-10

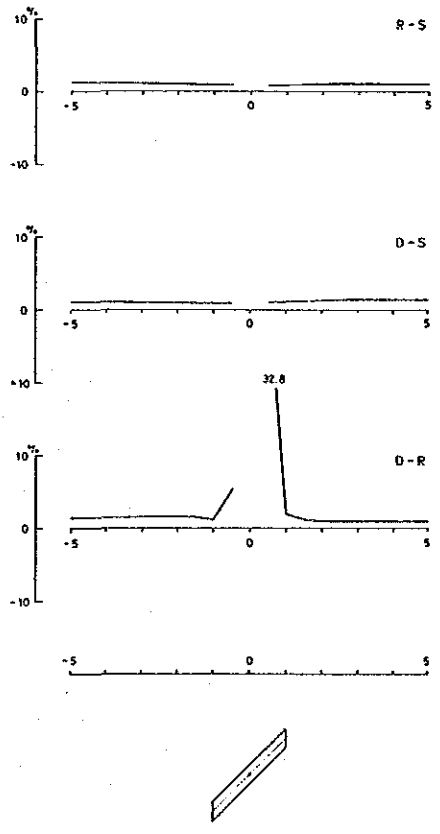

R - S
D - S
39.6
D - R
-5
0
5
10
0
-10

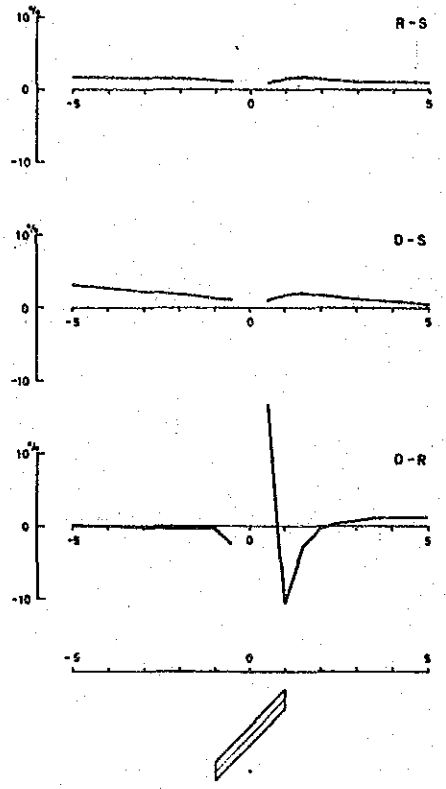

R - S
D - S
D - R
-5
0
5
10
0
-10

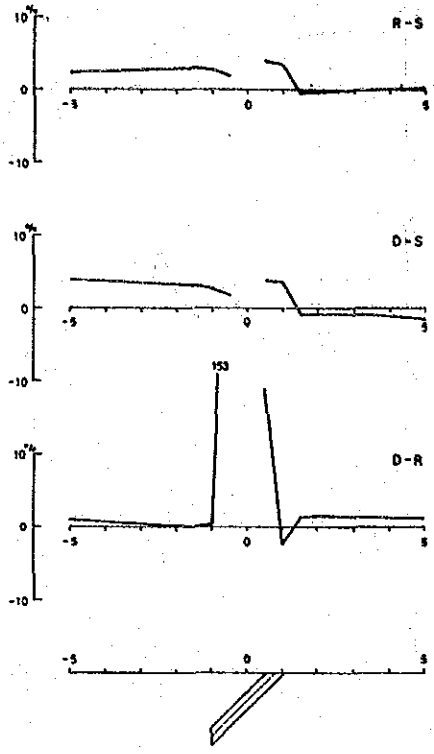

R - S
D - S
D - R
-34.8


R - S
D - S
30.9
D - R


R - S
D - S
D - R


R - S
D - S
32.8
D - R


R-S
D-S
D-R


R-S
D-S
153
D-R

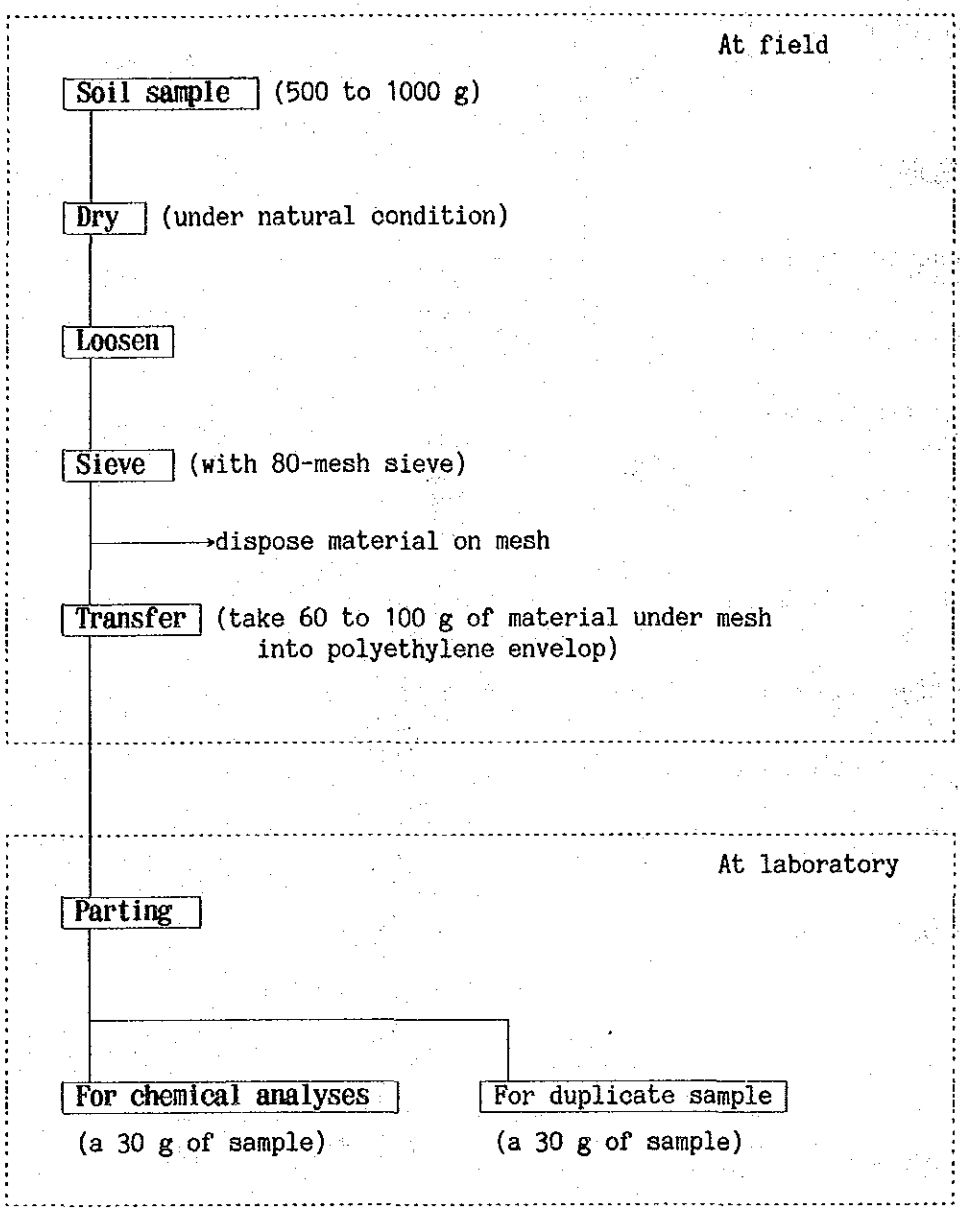
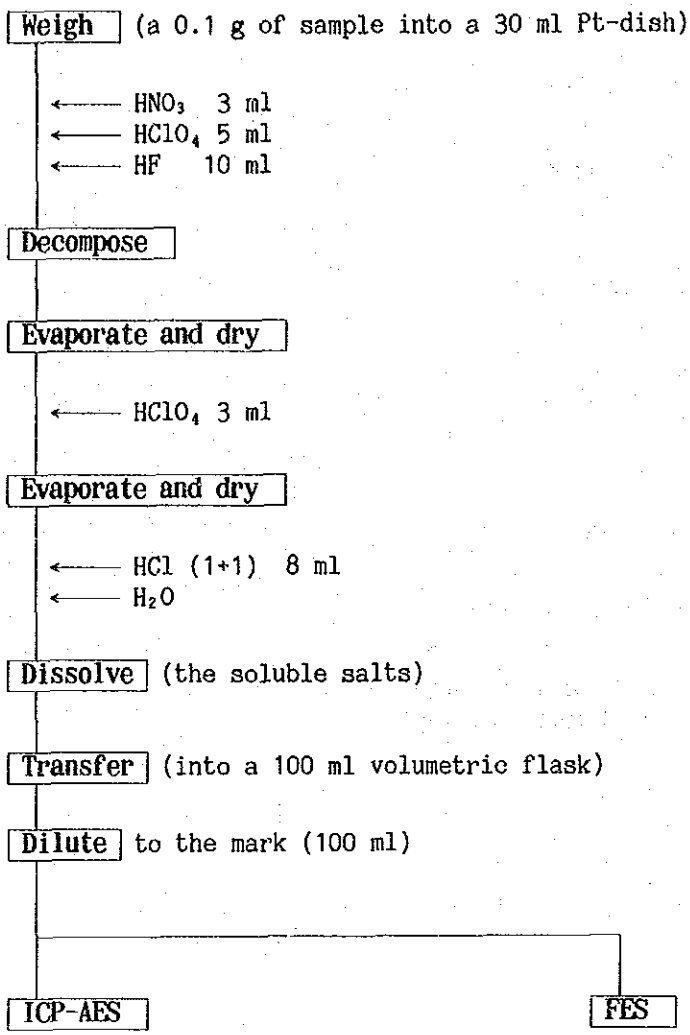


Fig. A–4 Flow sheet of soil sample treatment

Determination of elements in rocks by ICP-AES FES method



Wave length				
Ti	334.941	n.m.	Na 589	n.m.
Fe	238.204	n.m.	K 766.5	n.m.
Al	309.278	n.m.		
Mn	257.61	n.m.		
Mg	279.806	n.m.		
Ca	896.847	n.m.		
P	213.618	n.m.		

Fig. A–5 Flow sheet of chemical analysis (1) (Whole rock) ①

Determination of FeO in rock by titrate method

Weigh (a 0.5 g of sample into a 50 ml Pt-botle)

← H_2SO_4 (1+1) 5ml
← HF 10ml

Heat (on sand bath for 10 to 15 minutes)

Transfer (into a 300 ml conical beaker)

← H_3BO_3 10 ml
← H_2O about 200 ml

Titrate (with N/10 $KMnO_4$ solution)

Determination of Ig-loss of rock by gravimetric method

Weigh (a 1.0 g of sample into a ceramic botle)

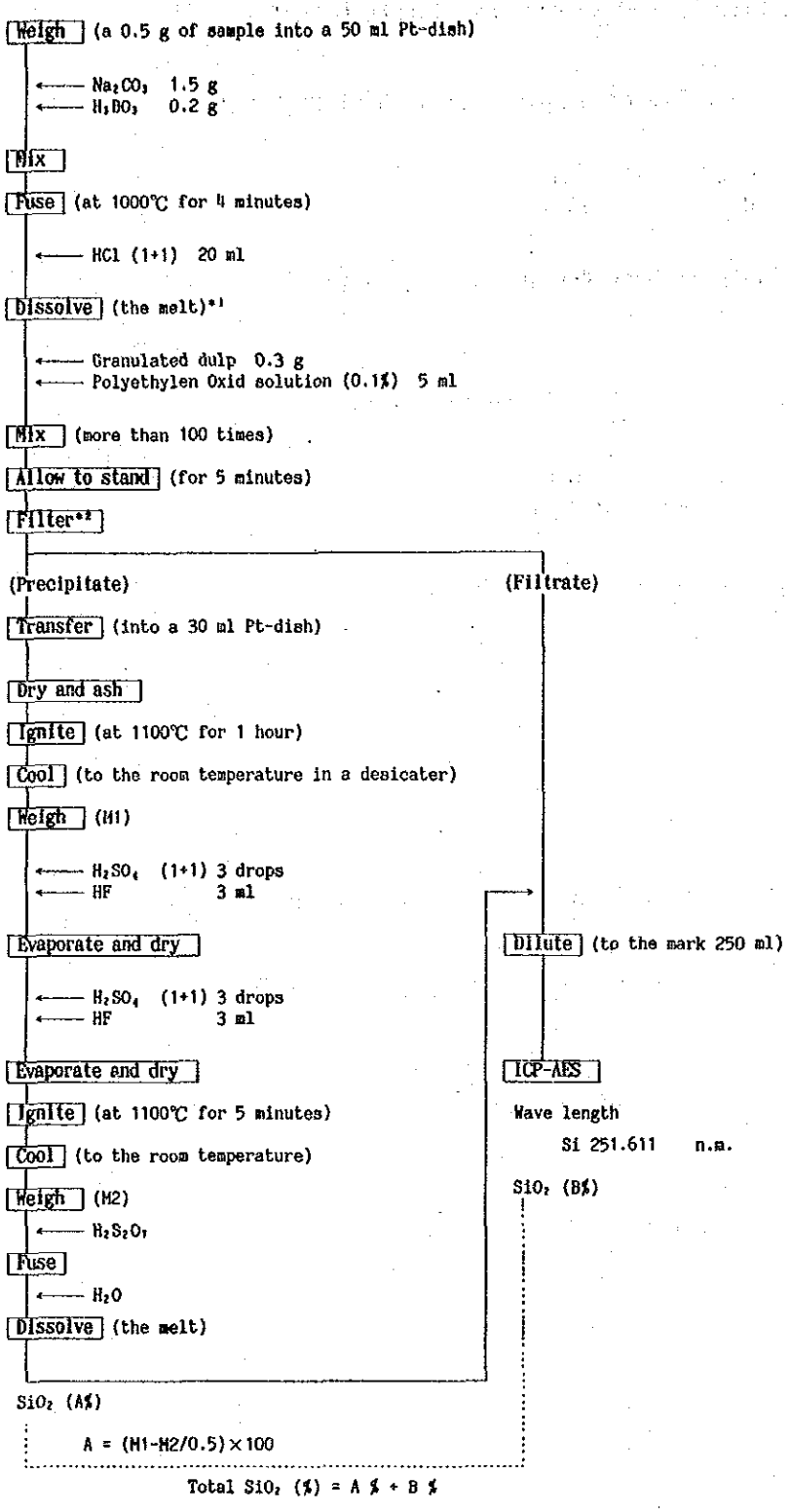
Heat (at 1000 to 1050℃ for 1 hour)

Cool (to the room temperature in a desicater)

Weigh

Figure A-5 Flow sheet of chemical analysis (1) (Whole rock) ②

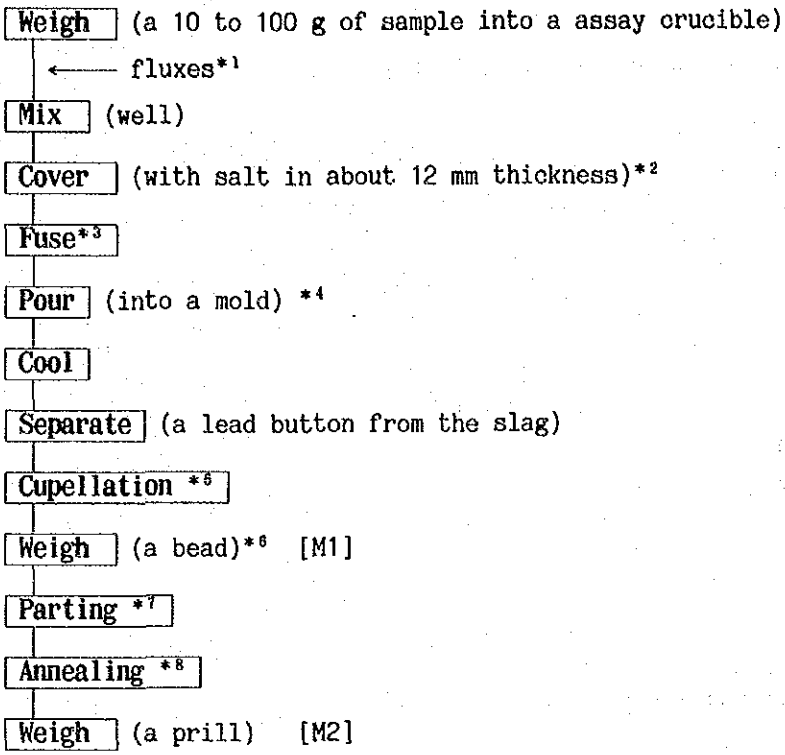
Determination of SiO_2 in rock by Gravimetric method with ICP-AES



*1 Cover with a watch glass and heat on a water bath for 20 minutes until the salts become gelatine.
*2 Filtrate into a 250 ml volumetric flask (through a JIS-5B filter paper). Wash the precipitate with hot HCL (1+50) more than 15 times and then with hot water more than 10 times.

Figure A-5 Flow sheet of chemical analysis (1) (Whole rock) ③

Determination of Au and Ag in ore by fire assay method



Au = [M2]
Ag = [M1]−[M2]

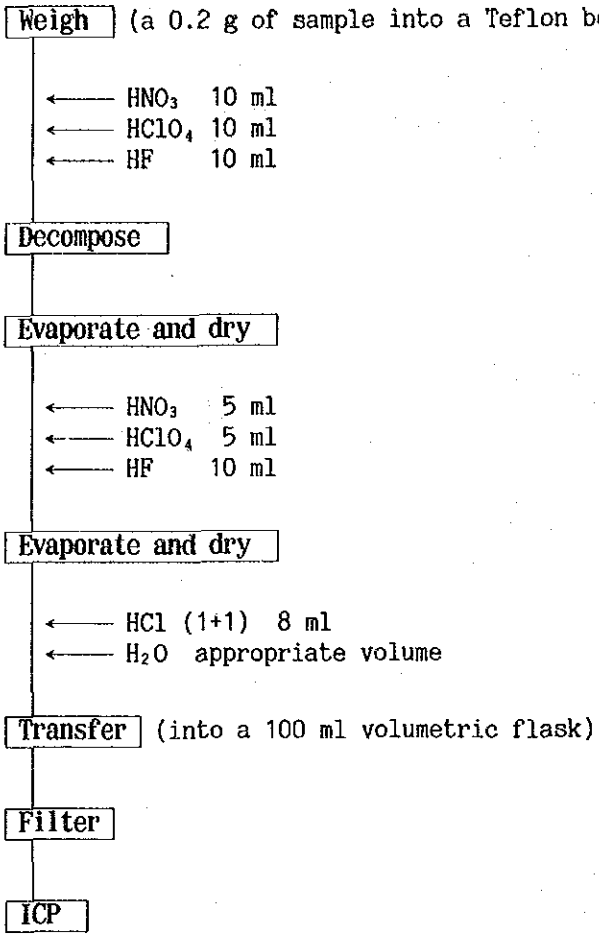
*1 The fluxes for charge composition

Sodium carbonate	40 g
Litherge	30 g
Bolax bead	10 g
Flour	3 g

*2 Insert iron nails in the mixture if necessary.
*3 Place a crucible in the preheated furnace (600℃) for 20 minutes. Slowly raise the furnase temperature to 950℃ and keep it on for about 10 minutes. Further raise it to 1100℃ and maintain this temperature for at least 10 minutes.
*4 Remove the iron nails before poring in the case of using the iron nails.
*5 Preheat the bone-ash cupel in a muffle furace at 850℃ for 15 minutes. Place the obtained lead button into thte cupel and allow the cupellation to proceed at 820℃ ± 10℃
*6 Carefully take a Au-Ag bead and remove any abhering cupel material. Flatten the bead slightly by hammer and weigh it.
*7 Place the flattened bead in a 40 ml porcelain crucible, add 30 ml of NHO_3 (1+3), heat to nearly boiling and continue the parting until the solution reduces to the half volume. Carefully pour the solution into a 200 ml beaker using a glass rod to avoid losses. Rince the remained gold with hot water 3 times by decantation and collect all washings in the same beaker.
*8 Dry the gold prill in the crucible on a hot plate and anneal at 700℃ until it presents the golden color.

Figure A-5 Flow sheet of chemical analysis (2) (ore) ①

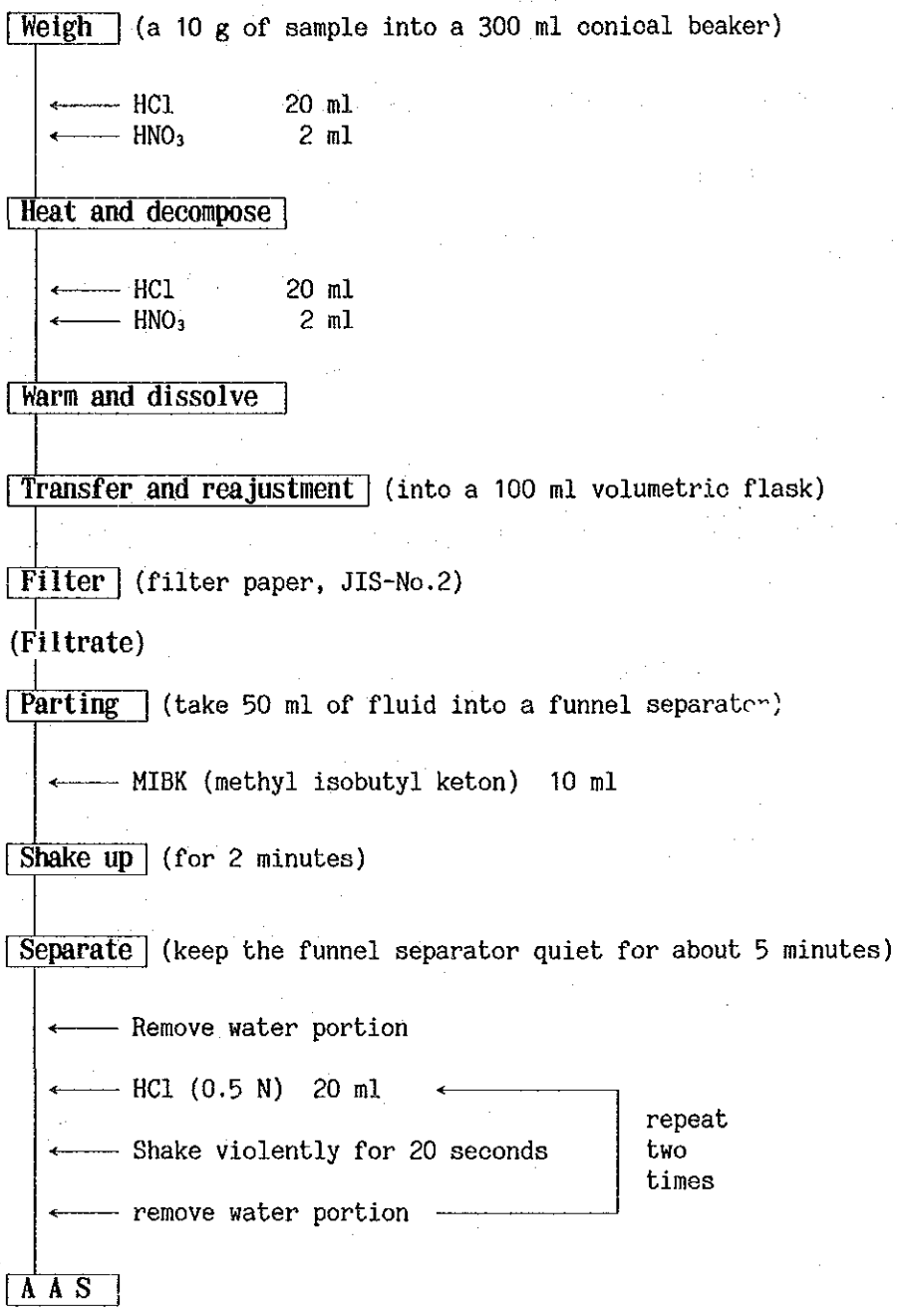
Determination of Cu, Pb, Zn and Mo in ore (low grade) by ICP-AES method



Wave length		
Cu	224.7	n.m.
Pb	220.353	n.m.
Zn	213.856	n.m.
Mo	202.03	n.m.

Figure A-5 Flow sheet of chemical analysis (2) (ore) ②

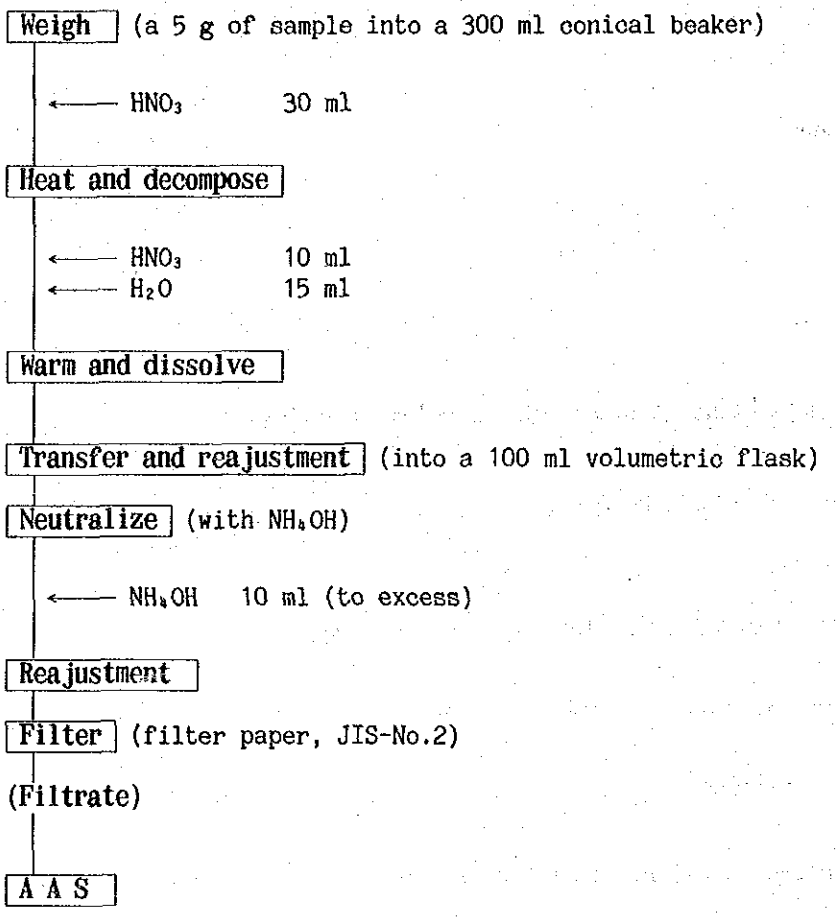
Determination of Au in soil by AAS method



Wave length
Au 242.8 n.m.

Figure A-5 Flow sheet of chemical analysis (3) (minor element) ①

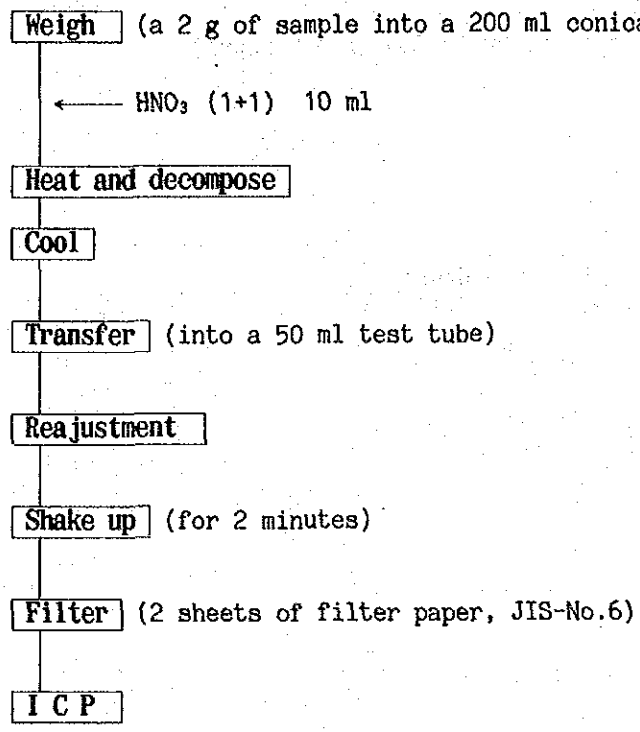
Determination of Ag in soil by AAS method



Wave length
Ag 328.1 n.m.

Figure A-5 Flow sheet of chemical analysis (3) (minor element) ②

Determination of Cu, Pb, Zn, Mo and As in soil by ICP-AES method



Wave length		
Cu	224.7	n.m.
Pb	220.353	n.m.
Zn	213.856	n.m.
Mo	202.03	n.m.
As	197.197	n.m.

Figure A-5 Flow sheet of chemical analysis (3) (minor element) ③

Determination of Hg in soil by FL-AAS cold vapour method

Weigh (0.2 g of samples)

← Mixed acid (HNO_3 : H_2SO_4 = 2 : 1) 15ml
← $KMnO_4$ solution (5 %) 5ml

Heat and decompose (on a water bath at 50 to 60℃ for 2 hours)

← $KMnO_4$ solution (5 %)*1

Cool (to the room temperature)

← $NH_2OH \cdot HCl$ solution (30 %) 2 to 3 drops*2

Transfer (into a 100 ml volumetric flask)

Dilute (to the mark with water)

Shake up

Filter*3

(Filtrate)

Dilute (to 105 ml with water)

← Reduction solution*4 10 ml

FL-AAS

Wave length
Hg 253.7 n.m.

*1 If the color of $KMnO_4$ is disappeared, add the $KMnO_4$ solution.
*2 Add this solution until the color of $KMnO_4$ is disappeared.
*3 Filter into a beaker (through JIS-No.2 filter paper).
And transfer the adequate volume (10 to 50 ml) of this solution into a generation flask.
*4 Dissolve 50 g of $SnCl_2 \cdot 2H_2O$ with 130 ml of H_2SO_4 (1+1), add to 170 ml of water and make this solution clear. Dilute to 500 ml with water.

Figure A-5 Flow sheet of chemical analysis (3) (minor element) ④

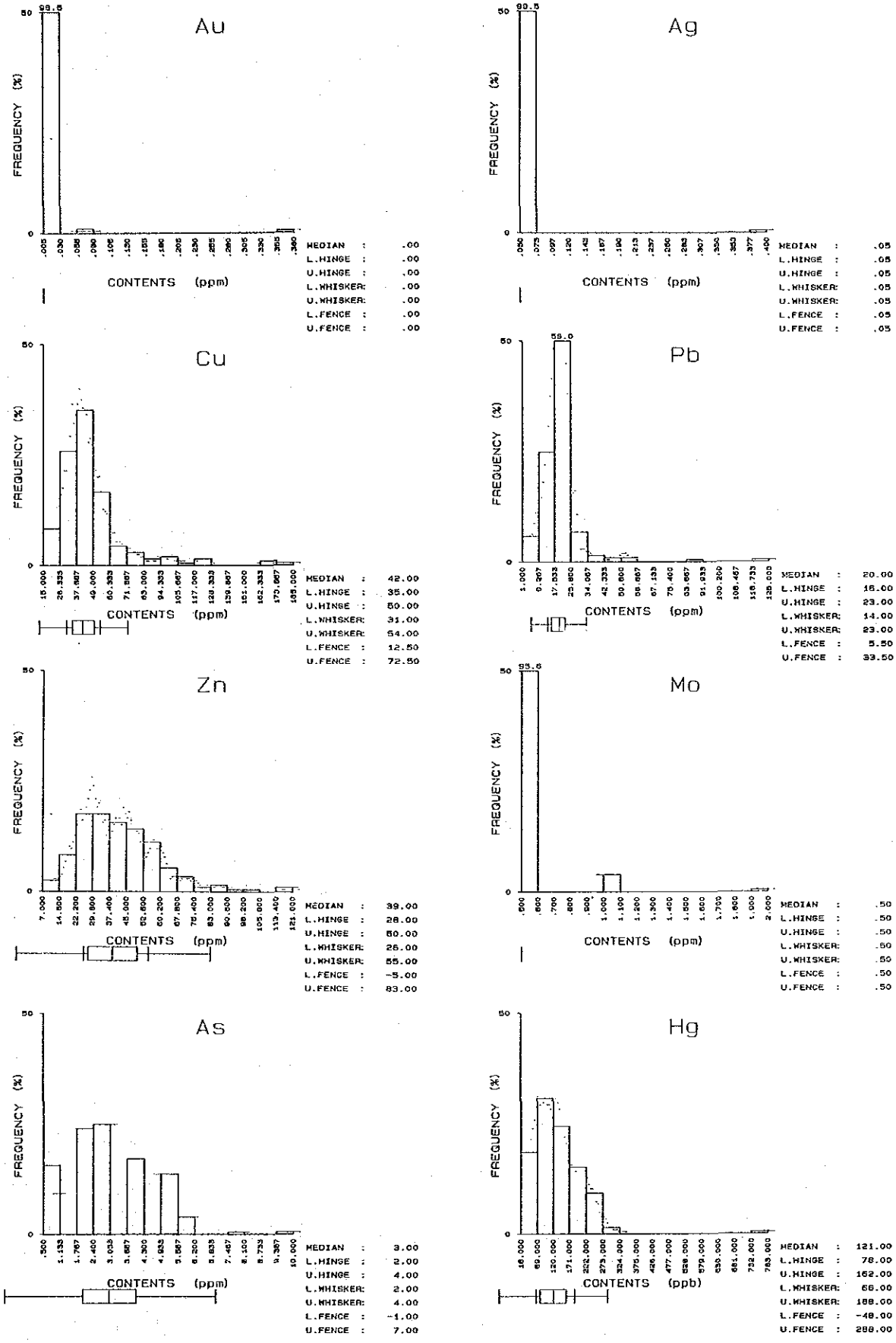


Fig. A–6 Histogram with 5-number summary and boxplot by EDA-method

Table A–1 Microscopic observations (thin section)

No.	Sample No.	Location: Area	Location: Coordinates E	Location: Coordinates N	Geological Unit* & Alteration	Rock Name	Texture	Minerals: Quartz (Q)	K-feldspar (Kf)	Plagioclase (Pl)	Biotite (Bi)	Hornblende (Hb)	Apatite (Ap)	Sphene (Sph)	Zircon (Zir)	Alteration Minerals: Quartz (Q)	Albite (Ab)	Biotite (Bi)	Muscovite ("Sericite") (Ser)	Actinolite (Act)	Epidote (Ep)	Chlorite (Chl)	Calcite (Cal)	Leucoxene (Leu)	Montmorillonite (Mon)	Opaque minerals (Magnetite (Mt), Pyrite (py) etc.
1	A2009	Chaco Yuma	706.40	9844.17	(Di) Bi→ partly chloritized	(melanocratic dio.) Biot-hornb-quartz diorite (fine-grained part?)	Partly porphyritic (Marginal part of quartz diorite body?)	•		⊙	●	○	•					●			•	●				● (py, Mt)
2	B2012	Telembolo	704.16	9815.89	(Ap) Bi→ partly sericitized	(leucocratic gr.) Biot-granite porphyry	Porphyritic, micrographic	○	•	⊙	●						•	•	○			●				• (py)
3	B2019		705.25	9816.98	(PQd) Bi→ partly chloritized	(porphyritic qtz. dio) Porphyritic hornb-biot-quartz diorite	Porphyritic	●		⊙	○	●	•				•		•		•	○				● (Mt)
4	C2016		702.53	9815.60	(Qp) Bi→ chloritized & epidotized Pl→ partly sericitized	(quartz porphyry) Biot-granite porphyry	Porphyritic	○	•	○	chlori-tized					○	●		○		●	○	•	•		• (Mt)
5	C2025		703.38	9816.38	(Qd) Bi→ chloritized & epidotized Pl→ partly sericitized & chloritized	((bt)-Hb qtz dio) Biot-granodiorite	Holocrystalline	○	•	⊙	chlori-tized		•	•			●		●		•	○		•		• (py, Mt)
6	C2062		705.14	9817.00	(HQd) Bi→ partly chloritized & epidotized Pl→ albitized	(hb qtz dio) Hornb-biot-quartz diorite	Holocrystalline	●		⊙	chlori-tized	○	•				●				•	○		•		• (Mt)
7	A2076		706.77	9802.10	(FQd) Bi→ partly chloritized & epidotized Pl→ partly albitized	(porphyritic qtz dio) Biot-hornb-dacite	Porphyritic	○		⊙	●	○	•				●	•	•		•	●		•		• (Mt)
8	A2092		706.12	9802.64	(Di) Bi→ partly chloritized & epidotized	(melanocratic dio) Biot-hornb-quartz diorite	Holocrystalline	●		⊙	●	○	•						•		•	●		•		• (Mt)
9	B2084	Las Guardias	705.88	9801.95	(Di) Bi→ chloritized, epidotized & actinolitized Pl→ albitized & sericitized	(melanocratic dio) Hornb-biot-dacite (Altered dacite)	Porphyritic	Chiefly ○ in ground mass		○	•	•	•			•	●	•		○	•	●		•		● (Mt)
10	C2045		705.36	9804.54	(An-I) actionlitization distinct	(porphyritic ande) Hornb-biot-dacite (Altered dacite) with py veinlets	Porphyritic	●		○	•	•				•		○		○	•	○		•		● (py, Mt)
11	(Hole No.) MJE-4		(Depth) 29.80m		(Gd) Bi→ chloritized, epidotized Pl→ partly albitized, sericitized	Biot granodiorite	Holocrystalline	⊙	•	⊙	● (chl)		•		•	●	●	●	●		●	○	•	•	○	• (Py)
12	MJE-4		36.40m		(Gd) Bi→ partly chloritized, epidotized Pl→ partly albitized	do.	do.	○	•	⊙	○		•		•		•		•		•	●				• (Mt)
13	MJE-4		144.60m		(Gd) Bi→ sheared, altered Pl→ fractured Q→ fractured	Sheared biot granodiorite	Sheared	○	•	•	●					⊙	○	○			•	•			○	• (Mt)
14	MJE-5		87.70m		(Gd) Bi→ partly chloritized, epidotized	Biot granodiorite	Holocrystalline	○	•	⊙	○		•					•			•	●	viet •			• (Mt)
15	MJE-5		290.20m		(Gd) Bi→ partly chloritized, epidotized	Hornb-biot quartz diorite	do.	○		⊙	○	○	•		•				•		•	●				• (Mt)

⊙ Abundant ○ Common ● A little • Rare Py : pyrite

* Abbreviations in ( ) indicate Geological Units shown in Figs II-3-1, II-4-1, and II-6-1

Table A–2 Microscopic observations (polished section)

No.	Sample No.	Location			Occurrence	Minerals												
		Area	Coordinates E	Coordinates N		Chalcopyrite (cp)	Bornite (bn)	Chalcocite (cc)	Covellite (cv)	Molybdenite (mo)	Sphalerite (sp)	Pyrite (py)	Magnetite (Mt)	Hematite (Hm)	Galena (Gn)	Arsenopyrite (Asp)	Gangueminerals (G)
1	A2017	Chaso Juan	706.50	9845.02	(cp-py diss/film in grd) Cp-Py veinlets & diss	○				•	•	●	●	•			⊙
2	C2006		707.65	9847.15	(tf. bre, cp-py diss) (Cp-Py) diss	•	•			•		•	•	•			⊙
3	C2011		707.60	9844.75	(grd, cp-mo-py diss) Mt diss							•	●	•			⊙
4	D2007		705.46	9846.63	(grd, cp-py film) Cp-Py diss	●						•	●	•			⊙
5	A2035	Telimbela	705.34	9817.25	(cp-py-mo diss in qtz dio) Cp diss	●	•	•	•			•	•	•			⊙
6	A2041		705.54	9817.65	(cp-py-mo-q ntwk) Cp-Py-q veinlets	●		•	•			●	•				⊙
7	C2019		704.45	9816.24	(sil rk, cp-py-mo diss/film) Cp-Py-q veinlets & diss	●	•	•	•			●	•	•			⊙
8	C2024		703.94	9816.90	(cp-py diss/str. in qtz dio, melano dio and horn) Mt diss Cp-Py veinlets & diss	•						•	○	•			⊙
9	C2043	Las Guardias	705.08	9804.33	(mo-cp-py ore) Cp-Py-Mo ore	○		•	•	●	•	○					⊙
10	D2041		704.96	9804.25	(melano dio, cp-py diss) Py diss	•						•	•	•			⊙
11	(Hole No.) MJE-4	(Depth) 29.80 m			(cp-py-chl-bi-q v) Py-(Cp) diss, Mt diss	•	•					○	●	•			⊙
12	MJE-4	78.70m			(cp-py-chl-bi-q-v) Py-(Cp) diss, Mt diss	•	•				•	○	●				⊙
13	MJE-4	86.30m			(py-chl-q v) Py-Cp diss, Mt diss	●	•					○	●				⊙
14	MJE-4	169.05m			(cp-py-chl-q v) Cp-Py-q vlet & diss, Mt diss	○						○	●				⊙q
15	MJE-5	95.60m			(cp-py-chl-q v) Cp-Py diss, Mt diss	○						○	●				⊙
16	MJE-5	206.60m			(py-mo-q v) Mo-q vlet, Mo-Cp-Py diss	●				●		○					⊙q
17	MJE-5	295.05m			(mo-q v) Mo-q vlet, Py-(Cp) diss	•				●		●					⊙q
18	MJE-6	54.30m			(py-chl-bi-q v) Mo-bg Py-(Cp) vlet & Py-Cp, Mt diss	•				•		○	•			•	⊙
19	MJE-6	97.00m			(py-chl-bi-q v) Py-(Cp) diss	•					•	●					⊙
20	MJE-6	123.50m			(py-ser-q v) Py-(Cp)-q v	•					•	⊙					⊙q
21	MJE-6	273.20m			(py-mo-q v) Sp-Gn-(Cp)-Py-q v	•					○	⊙			○		⊙q

⊙ Abundant ○ Common ● A little • Rare

* Occurrence : in parenthesis ; field occurrence,
lower ; under microscopic observation

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

(1)

No.	Sample No.	Location			Description	Assay Results					
		Area	Coordinates			(g/t)	(g/t)	(%)	(%)	(%)	(%)
			E	N		Au	Ag	Cu	Pb	Zn	Mo
1	A2011	Chaso Juan	706.06	9844.24	Cp-Py film in crack of gd	0.1	0.6	0.13	0.00	0.00	0.00
2	A2015		706.52	9845.03	Cp-Py diss and film in gd	0.2	1.1	0.33	0.00	0.01	0.00
3	A2017		706.52	9845.03	ditto	0.1	4.2	1.41	0.00	0.01	0.05
4	B2002		705.86	9844.78	Cp-Py diss and vlet zone (W: 25m)	0.1	1.7	0.24	0.00	0.01	0.00
5	C2003		707.26	9847.10	Py-Mag-(Cp)-Q-Ep ntwk vlet in sil rock	Tr	Tr	0.01	0.00	0.01	0.00
6	C2006		707.66	9847.16	Cp-Py diss and Q ntwk in sil ande tf bre	Tr	Tr	0.04	0.00	0.00	0.00
7	C2009		706.64	9845.18	Cp-Py diss in gd	Tr	1.0	0.24	0.00	0.00	0.00
8	C2010		706.75	9845.17	ditto	Tr	Tr	0.02	0.00	0.00	0.00
9	C2011		707.60	9844.75	Cp-Mo-Py diss in gd	Tr	Tr	0.01	0.00	0.00	0.00
10	D2008		705.43	9846.64	ditto	Tr	Tr	0.01	0.00	0.00	0.00
11	A2024	Telimbela	703.93	9816.88	Cp-Py thin V and diss in melano dio	Tr	0.6	0.04	0.00	0.01	0.00
12	A2026		703.92	9816.92	Cp-Py diss in melano dio	0.2	1.6	0.16	0.00	0.01	0.00
13	A2030		703.56	9816.79	Cp-Py diss in qtz dio	0.1	0.9	0.12	0.01	0.01	0.00
14	A2033		705.12	9817.15	Cp-Py film and diss in qtz dio	0.1	9.5	0.80	0.01	0.03	0.08
15	A2035		705.32	9817.25	Cp-Py-Mo diss in qtz dio	0.2	5.6	0.47	0.00	0.02	0.00
16	A2041		705.53	9817.65	Cp-Py-Mo-Q ntwk V	0.3	5.8	1.65	0.00	0.02	0.05
17	A2043		705.57	9817.74	Cp-Py diss in qtz dio	0.2	2.7	0.53	0.00	0.01	0.01
18	A2045		705.57	9817.74	Cp-Py thin V and diss in hornfels	Tr	1.0	0.13	0.00	0.01	0.00
19	A2046		705.57	9817.80	Cp-Py diss in qtz dio	0.4	4.2	1.23	0.00	0.01	0.00
20	B2014		704.36	9815.68	Py-Cp diss and Mo-Cp-Py-Q thin V in qtz dio	Tr	Tr	0.05	0.00	0.03	0.00
21	B2020		705.35	9817.03	Cp-Py-Q-Ch thin V in cracks of qtz dio	Tr	Tr	0.09	0.00	0.01	0.00
22	B2021		705.42	9817.03	Cp-Py-Q-Ep thin V in cracks of hornfels	Tr	Tr	0.08	0.00	0.01	0.00
23	B2022		705.71	9817.05	Cp-Py diss and Py-Q V in hornfels	Tr	Tr	0.08	0.00	0.01	0.02
24	B2024		706.03	9817.10	Cp-Py thin V in cracks of qtz dio	Tr	Tr	0.04	0.00	0.00	0.00
25	C2014		703.44	9814.90	Cp-Py diss in ch-sil rock	Tr	Tr	0.02	0.00	0.01	0.00
26	C2018		704.41	9816.30	Py-(Cp) diss and film in melano dio	Tr	Tr	0.01	0.00	0.01	0.00
27	C2019		704.45	9816.26	Cp-Py-Mo diss and film in sil rock	Tr	Tr	0.00	0.00	0.01	0.00
28	C2023		704.70	9816.10	Py diss in ch-sil qtz dio	Tr	Tr	0.01	0.00	0.00	0.00
29	C2024		703.40	9816.40	Cp-Py diss and stringer in qtz dio and hornfels intruded by melano dio	Tr	Tr	0.03	0.00	0.01	0.00
30	C2025		703.40	9816.40	Cp-Py diss in qtz dio	Tr	Tr	0.03	0.00	0.01	0.00
31	D2015		702.28	9815.30	Cp-Py diss and in qtz dio	Tr	Tr	0.05	0.00	0.00	0.00
32	E2011		704.26	9817.34	Cp-Py-Q-Ep V in hornfels	Tr	Tr	0.03	0.00	0.00	0.00
33	A2068	La Industria – Yatubi	688.06	9624.40	black sinter in druse of sil rock	Tr	Tr	0.00	0.00	0.00	0.01
34	A2071		688.31	9624.03	black sinter-black mineral-Q V in sil rock	Tr	Tr	0.02	0.01	0.00	0.00
35	A2072		688.58	9624.94	Q V in weathered qtz dio	Tr	Tr	0.01	0.00	0.00	0.00
36	C2029		687.42	9624.55	float of hem-Q-clay ntwk in sil qtz dio	Tr	Tr	0.00	0.00	0.00	0.02
37	C2032		688.03	9624.38	hem-Q ntwk in sil rock	Tr	Tr	0.00	0.00	0.00	0.00
38	C2033		688.03	9624.44	hem-Q ntwk in sil rock	Tr	Tr	0.00	0.00	0.00	0.01
39	C2034		688.62	9625.30	hem-Q-black mineral-clay ntwk in sil rock	Tr	Tr	0.00	0.00	0.00	0.00
40	C2035		688.62	9625.30	float of hem-Q ntwk with Py in druse	Tr	Tr	0.00	0.00	0.00	0.00
41	E2027		688.85	9624.38	hem-Q-black mineral ntwk	Tr	Tr	0.01	0.01	0.00	0.00
42	E2028		688.84	9625.55	hem-Q-clay ntwk	Tr	Tr	0.01	0.00	0.00	0.00
43	E2033		687.68	9624.09	ditto	Tr	Tr	0.00	0.00	0.00	0.00
44	A2080	Las Guardias	707.27	9801.95	Cp-Py diss and film in melano dio	0.2	2.1	0.47	0.00	0.01	0.00
45	A2091		706.25	9802.35	Cp-Py diss in sil rock	Tr	Tr	0.04	0.00	0.01	0.00
46	C2037		704.59	9804.09	Py diss and Cp film in melano dio	Tr	Tr	0.05	0.00	0.00	0.00
47	C2041		705.00	9804.28	Py-Cp film and diss in gd	Tr	Tr	0.08	0.00	0.01	0.00
48	C2043		705.09	9804.35	float of Mo-Cp-Py ore	0.2	8.3	0.35	0.00	0.00	0.79
49	C2044		705.28	9804.52	Cp-Mo-Py-Q vlet in gd	Tr	2.0	0.26	0.00	0.01	0.04
50	D2035		707.43	9803.50	Py-Cp ntwk in ande	Tr	Tr	0.00	0.00	0.02	0.00
51	D2043		706.74	9801.74	Py-Cp film in sil ande	Tr	Tr	0.02	0.00	0.00	0.00

(2)

No.	Hole No.	Depth (m)	Assay Results						
			(g/t) Au	(g/t) Ag	(%) Cu	(%) Pb	(%) Zn	(%) Mo	(%) W
1	MJE-4	21.00~ 21.50	Tr	Tr	0.01	0.00	0.01	0.00	0.00
2	MJE-4	36.00~ 36.50	0.1	9.5	0.03	0.01	0.04	0.00	0.00
3	MJE-4	56.50~ 57.00	Tr	Tr	0.02	0.00	0.00	0.00	0.00
4	MJE-4	78.50~ 79.00	Tr	1.0	0.02	0.00	0.01	0.00	0.00
5	MJE-4	95.60~ 96.40	Tr	Tr	0.01	0.00	0.00	0.00	0.00
6	MJE-4	102.00~102.50	Tr	Tr	0.02	0.00	0.01	0.00	0.00
7	MJE-4	112.70~112.80	Tr	Tr	0.00	0.00	0.00	0.00	0.00
8	MJE-4	124.00~124.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
9	MJE-4	132.50~133.50	Tr	Tr	0.00	0.00	0.00	0.00	0.00
10	MJE-4	144.00~144.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
11	MJE-4	168.70~169.20	Tr	Tr	0.10	0.00	0.01	0.00	0.00
12	MJE-4	193.00~193.50	Tr	Tr	0.00	0.00	0.00	0.00	0.00
13	MJE-4	215.00~215.50	Tr	Tr	0.02	0.00	0.01	0.02	0.00
14	MJE-4	238.00~238.50	Tr	Tr	0.01	0.00	0.01	0.00	0.00
15	MJE-4	260.50~261.00	Tr	Tr	0.02	0.00	0.01	0.01	0.00
16	MJE-4	283.00~283.50	Tr	Tr	0.03	0.00	0.01	0.00	0.00
17	MJE-4	300.00~300.50	Tr	Tr	0.01	0.00	0.01	0.00	0.00
18	MJE-5	15.50~ 16.00	Tr	Tr	0.02	0.00	0.01	0.00	0.02
19	MJE-5	38.50~ 38.50	Tr	Tr	0.01	0.00	0.01	0.00	0.03
20	MJE-5	68.50~ 69.00	Tr	Tr	0.01	0.00	0.01	0.00	0.03
21	MJE-5	75.00~ 75.50	Tr	Tr	0.01	0.00	0.00	0.00	0.03
22	MJE-5	81.00~ 81.50	Tr	Tr	0.03	0.00	0.01	0.00	0.03
23	MJE-5	95.50~ 96.00	Tr	Tr	0.02	0.00	0.00	0.00	0.04
24	MJE-5	108.00~108.50	Tr	Tr	0.01	0.00	0.00	0.00	0.05
25	MJE-5	142.00~142.50	Tr	Tr	0.00	0.00	0.01	0.00	0.03
26	MJE-5	162.00~162.50	Tr	Tr	0.01	0.00	0.01	0.00	0.03
27	MJE-5	180.50~181.00	Tr	Tr	0.01	0.00	0.01	0.00	0.02
28	MJE-5	199.00~199.50	Tr	Tr	0.00	0.01	0.01	0.00	0.00
29	MJE-5	210.50~211.00	Tr	Tr	0.00	0.00	0.01	0.00	0.00
30	MJE-5	211.00~212.80	Tr	Tr	0.01	0.00	0.00	0.00	0.00
31	MJE-5	231.50~232.00	Tr	Tr	0.02	0.00	0.00	0.00	0.00
32	MJE-5	252.50~253.00	Tr	Tr	0.01	0.00	0.00	0.00	0.00
33	MJE-5	270.00~270.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
34	MJE-5	290.00~290.50	Tr	Tr	0.01	0.00	0.01	0.00	0.00
35	MJE-5	304.00~304.50	Tr	Tr	0.01	0.00	0.01	0.00	0.00
36	MJE-6	23.90~ 24.30	Tr	Tr	0.01	0.00	0.00	0.00	0.00
37	MJE-6	48.50~ 49.00	Tr	Tr	0.02	0.00	0.00	0.00	0.00
38	MJE-6	71.00~ 71.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
39	MJE-6	94.00~ 94.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
40	MJE-6	119.10~119.60	Tr	Tr	0.01	0.00	0.00	0.00	0.00
41	MJE-6	135.00~135.50	Tr	Tr	0.00	0.00	0.00	0.00	0.00
42	MJE-6	161.00~161.50	Tr	Tr	0.01	0.00	0.00	0.00	0.00
43	MJE-6	183.80~184.30	Tr	Tr	0.01	0.00	0.01	0.00	0.00
44	MJE-6	197.00~197.50	Tr	Tr	0.02	0.00	0.00	0.00	0.00
45	MJE-6	208.50~209.00	Tr	Tr	0.02	0.00	0.00	0.00	0.00
46	MJE-6	228.50~229.00	Tr	0.7	0.01	0.00	0.01	0.00	0.05
47	MJE-6	244.00~244.50	Tr	Tr	0.02	0.00	0.00	0.00	0.06
48	MJE-6	268.40~268.90	Tr	Tr	0.01	0.00	0.00	0.00	0.09
49	MJE-6	273.10~273.20	0.1	3.8	0.02	0.26	1.59	0.00	0.20
50	MJE-6	295.50~296.00	Tr	Tr	0.01	0.01	0.02	0.00	0.07
51	MJE-6	304.20~304.70	Tr	Tr	0.02	0.00	0.00	0.00	0.08
52	MJE-6	311.50~312.00	Tr	Tr	0.03	0.00	0.01	0.02	0.07
53	MJE-6	319.50~320.00	Tr	Tr	0.05	0.00	0.01	0.01	0.03
54	MJE-6	334.50~335.00	Tr	Tr	0.01	0.00	0.01	0.00	0.06

Table A–4 Results of x-ray diffractive analysis

(1)

No.	Sample No.	Location: Area	Location: Coordinates N	Location: Coordinates Y	Rock name	Minerals: Quartz	Plagioclase	K-feldspar	Hornblende	Sericite	Chlorite	Kaoline	Montmorillonite	Ser/Mon*	Laumontite	Stilbite	Wairakite	Pyrite	Chalcopyrite	Remarks
1	A2003	Chaso Juan	705.48	9847.10	py-(cy) diss/film in altered rock	⊙		?		○	?	?		?						
2	A2006	Chaso Juan	705.25	9847.50	weakly altered granodiorite	○	⊙		○											
3	A2016	Chaso Juan	706.56	9844.98	argillized granodiorite	⊙	○				●	?			○					
4	D2009	Chaso Juan	705.38	9846.98	clay	⊙				○	○	?			●					
5	A2033	Telimbela	705.12	9817.15	cp-py film/diss in quartz diorite	⊙	●				○	?								
6	A2043	Telimbela	705.57	9817.15	cp-py diss in quartz diorite	⊙	⊙			●	●	?		?						
7	A2045	Telimbela	705.57	9817.74	cp-py thin vein/diss in hornfels	○	○				○	?				●				
8	C2023	Telimbela	704.70	9816.10	chl-sil quartz diorite, py diss	○	⊙			●	○	?						●		
9	C2025	Telimbela	703.40	9816.40	cp-py diss in quartz diorite	⊙	⊙				○	?						●	–	
10	C2026	Telimbela	703.40	9816.40	py-limo-clay stringer	○	○						●			○				
11	C2027	Telimbela	703.40	9816.40	cp-py diss/stringer in quartz diorite/hornfels	⊙	⊙			⊙										
12	D2014	Telimbela	702.22	9815.35	argillized quartz diorite, py-quartz vein	⊙	⊙			?	–	?								
13	D2026	Telimbela	705.85	9818.28	muscovite-py ntwk in sil rock	⊙				○							○?			
14	A2057	La Industria-Yanubi	688.82	9624.58	altered rock	⊙	○													
15	A2059	La Industria-Yanubi	688.23	9624.29	argillized rock	⊙				●		○		?						
16	A2062	La Industria-Yanubi	688.32	9624.25	black mineral ntwk	⊙	○			–										
17	A2070	La Industria-Yanubi	688.10	9624.02	black sinter-hm-limo in sil rock	○														Dravite (common)
18	B2038	La Industria-Yanubi	688.72	9624.00	quartz diorite, limo-clay	⊙	○			–										
19	C2034	La Industria-Yanubi	688.62	9624.00	sil-hm-black sinter-black and white mineral	⊙				○										
20	C2041	La Candelaria	705.00	9804.25	bt-hb granodiorite, py-cp film/diss	⊙	○			●	○	?								

No.	Hole No.	Depth (m)	Quartz	Plagioclase	Hornblende	Sericite	Biotite	Chlorite	Chl/Mon**	Montmorillonite	Calcite	Laumonite	Stilbite	Chabazite	Kaoline	Pyrite	Remarks
1	MJE-4	20.20	⊙	~?		⊙		–			●				?	–	
2	MJE-4	21.10	⊙	○		●		–?							?		
3	MJE-4	30.30		○		⊙		○							?		
4	MJE-4	49.10	⊙	○		○		●						○	?		
5	MJE-4	56.90	⊙	⊙		○		–							?		
6	MJE-4	84.60	○	–				–	○?	○?		○?	○?	○	?		cristobalite: ○?
7	MJE-4	124.10	○	●?					–?	●?	●		○	○			
8	MJE-4	124.60	⊙	●				●?		●?			●	○	?		
9	MJE-4	144.00	○					●?		–?	○		○	○	?		
10	MJE-4	168.90	⊙	⊙		○				○?	–?						
11	MJE-4	215.20	⊙	⊙		⊙		–?	–?	–?					?		
12	MJE-4	238.10	⊙	⊙		⊙			–?	–?							
13	MJE-4	283.10	⊙	⊙		○			–?								
14	MJE-5	38.20	⊙	○	–		–	–?		●	–?		●	●	–?		
15	MJE-5	55.00	⊙	⊙	–		○	–		●						–?	
16	MJE-5	75.20	⊙	⊙	–		○	–									
17	MJE-5	81.10	⊙	⊙			○										
18	MJE-5	87.70	⊙	⊙			●										
19	MJE-5	91.90	⊙			⊙		●			?						
20	MJE-5	108.20	⊙	⊙	–		○			–							
21	MJE-5	121.40	⊙			⊙		●			●					●	Cp: –?
22	MJE-5	122.00	⊙	⊙			⊙	●		●					●?	–	Cp: –
23	MJE-5	180.70	⊙	⊙	–		●										
24	MJE-5	212.60	○	?				●		⊙	?		⊙		●?		antigorite: ●?
25	MJE-5	231.80	⊙	⊙			○			–							
26	MJE-5	270.20	⊙	⊙	–		○										
27	MJE-5	290.10	⊙	⊙	●		○										
28	MJE-6	32.30	⊙	●		●	●?	●		●			–?	●			sphalerite: –?
29	MJE-6	46.70				⊙					–?						
30	MJE-6	60.00	⊙					–?		●			⊙		–?		

(3)

No.	Hole No.	Depth (m)	Quartz	Plagioclase	Hornblende	Sericite	Biotite	Chlorite	Chl/Mon**	Montmorillonite	Calcite	Laumonite	Stilbite	Chabazite	Kaoline	Pyrite	Remarks
31	MJE-6	69.00	⊙	○			●	– ?		–			●		– ?		
32	MJE-6	152.70		●		○	⊙	●		●					● ?	●	
33	MJE-6	208.60	⊙	○			○	–		– ?							
34	MJE-6	237.50	⊙	●		⊙					●						Cp: –
35	MJE-6	279.60	○			⊙		●		– ?	●						
36	MJE-6	297.50		●		●		○								–	Cp: –
37	MJE-6	315.90	○			○		●		●	●		●	●	●		antigorite: ● ?
38	MJE-6	319.50	⊙	– ?		●		–					– ?	–		●	Cp: – ?
39	MJE-6	319.90	⊙	○			●	●		●	– ?			–	● ?		
40	MJE-6	349.10	○	?		–				●	?		⊙				
41	MJE-6	351.00	⊙	?				– ?		●	?		⊙		– ?		

⊙ : Abundant, ○ : Common, ● : A little, – : rare, ○ ? , ● ? , – ? : estimated existence, ? : probable existence
diss : dissemination, ntwk : ntwk : network, cp : chalcopyrite, py : pyrite, lum : hematite, limo : limonite, sil : silisificated,
** Ser/Mon: Sericite-montmorillonite mixed layer ** Chl/Mon: Chlorite-montmorillonite mixed layer*

Table A–5 Results of the measured value of the magnetic susceptibility

(1)

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
1	MCJ2001	25		39	MCJ2039	12		76	MTE2009	12	
2	MCJ2002	2		40	MCJ2040	20		77	MTE2010	87	
3	MCJ2003	48		41	MCJ2041	18		78	MTE2011	29	
4	MCJ2004	21		42	MCJ2042	21		79	MTE2012	28	
5	MCJ2005	30		43	MCJ2043	35		80	MTE2013	7	
6	MCJ2006	36		44	MCJ2044	35		81	MTE2014	5	
7	MCJ2007	38		45	MCJ2045	30		82	MTE2015	20	
8	MCJ2008	21		46	MCJ2046	27		83	MTE2016	50	
9	MCJ2009	40		47	MCJ2047	15		84	MTE2017	48	
10	MCJ2010	10		48	MCJ2048	27		85	MTE2018	41	
11	MCJ2011	20		49	MCJ2049	32		86	MTE2019	32	
12	MCJ2012	20		50	MCJ2050	49		87	MTE2020	42	
13	MCJ2013	25		51	MCJ2051	30		88	MTE2021	77	
14	MCJ2014	35		52	MCJ2052	32		89	MTE2022	41	
15	MCJ2015	25		53	MCJ2053	38		90	MTE2023	47	
16	MCJ2016	34		54	MCJ2054	33		91	MTE2024	137	
17	MCJ2017	7		55	MCJ2055	29		92	MTE2025	27	
18	MCJ2018	18		56	MCJ2056	28		93	MTE2026	41	
19	MCJ2019	12		57	MCJ2057	33		94	MTE2027	35	
20	MCJ2020	17		58	MCJ2058	27		95	MTE2028	26	
21	MCJ2021	18		59	MCJ2059	26		96	MTE2029	39	
22	MCJ2022	19		60	MCJ2060	22		97	MTE2030	34	
23	MCJ2023	25		61	MCJ2061	40		98	MTE2031	65	
24	MCJ2024	23		62	MCJ2062	29		99	MTE2032	0.57	
25	MCJ2025	24		63	MCJ2063	24		100	MTE2033	91	
26	MCJ2026	47		64	MCJ2064	34		101	MTE2034	18	
27	MCJ2027	79		65	MCJ2065	8		102	MTE2035	3	
28	MCJ2028	64		66	MCJ2066	21		103	MTE2036	3	
29	MCJ2029	42		67	MCJ2067	0.38		104	MTE2037	38	
30	MCJ2030	30						105	MTE2038	28	
31	MCJ2031	31		68	MTE2001	14		106	MTE2039	19	
32	MCJ2032	25		69	MTE2002	48		107	MTE2040	38	
33	MCJ2033	25		70	MTE2003	68		108	MTE2041	15	
34	MCJ2034	30		71	MTE2004	67		109	MTE2042	7	
35	MCJ2035	25		72	MTE2005	107		110	MTE2043	21	
36	MCJ2036	41		73	MTE2006	49		111	MTE2044	7	
37	MCJ2037	11		74	MTE2007	30		112	MTE2045	20	
38	MCJ2038	17		75	MTE2008	26		113	MTE2046	34	

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
114	MTE2047	21		150	MLG2002	32		188	MLG2040	31	
115	MTE2048	3		151	MLG2003	31		189	MLG2041	38	
116	MTE2049	4		152	MLG2004	0.21		190	MLG2042	25	
117	MTE2050	25		153	MLG2005	34		191	MLG2043	30	
118	MTE2051	32		154	MLG2006	40		192	MLG2044	27	
119	MTE2052	35		155	MLG2007	49		193	MLG2045	35	
120	MTE2053	10		156	MLG2008	53		194	MLG2046	40	
121	MTE2054	0.40		157	MLG2009	58		195	MLG2047	0.80	
122	MTE2055	3.5		158	MLG2010	22		196	MLG2048	0.87	
123	MTE2056	37		159	MLG2011	43		197	MLG2049	0.12	
124	MTE2057	4		160	MLG2012	5		198	MLG2050	27	
125	MTE2058	16		161	MLG2013	17		199	MLG2051	57	
126	MTE2059	117		162	MLG2014	49		200	MLG2052	16	
127	MTE2060	24		163	MLG2015	38		201	MLG2053	25	
128	MTE2061	0.52		164	MLG2016	47		202	MLG2054	45	
129	MTE2062	0.62		165	MLG2017	77		203	MLG2055	18	
130	MTE2063	15		166	MLG2018	60		204	MLG2056	21	
131	MTE2064	43		167	MLG2019	2		205	MLG2057	9	
				168	MLG2020	16		206	MLG2058	15	
132	MLY2001	67		169	MLG2021	42		207	MLG2059	4	
133	MLY2002	0.50		170	MLG2022	63		208	MLG2060	15	
134	MLY2003	9		171	MLG2023	12		209	MLG2061	0.50	
135	MLY2004	8		172	MLG2024	23		210	MLG2062	3	
136	MLY2005	8		173	MLG2025	47		211	MLG2063	17	
137	MLY2006	21		174	MLG2026	27		212	MLG2064	15	
138	MLY2007	27		175	MLG2027	45		213	MLG2065	4	
139	MLY2008	20		176	MLG2028	36		214	MLG2066	23	
140	MLY2009	0.20		177	MLG2029	0.2		215	MLG2067	87	
141	MLY2010	40		178	MLG2030	48		216	MLG2068	42	
142	MLY2011	137		179	MLG2031	34		217	MLG2069	51	
143	MLY2012	0.33		180	MLG2032	56		218	MLG2070	45	
144	MLY2013	0.07		181	MLG2033	28		219	MLG2071	0.08	
145	MLY2014	0.30		182	MLG2034	36		220	MLG2072	3	
146	MLY2015	81		183	MLG2035	23		221	MLG2073	10	
147	MLY2016	26		184	MLG2036	32		222	MLG2074	53	
148	MLY2017	40		185	MLG2037	27		223	MLG2075	49	
				186	MLG2038	0.08		224	MLG2076	0.20	
149	MLG2001	33		187	MLG2039	0.04		225	MLG2077	0.35	

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
226	MLG2078	12		264	MLG2116	26					
227	MLG2079	0.07		265	MLG2117	24					
228	MLG2080	19		266	MLG2118	8					
229	MLG2081	8		267	MLG2119	52					
230	MLG2082	7		268	MLG2120	34					
231	MLG2083	37									
232	MLG2084	38									
233	MLG2085	45									
234	MLG2086	47									
235	MLG2087	41									
236	MLG2088	49									
237	MLG2089	42									
238	MLG2090	47									
239	MLG2091	24									
240	MLG2092	74									
241	MLG2093	35									
242	MLG2094	22									
243	MLG2095	22									
244	MLG2096	60									
245	MLG2097	52									
246	MLG2098	114									
247	MLG2099	55									
248	MLG2100	10									
249	MLG2101	0.80									
250	MLG2102	76									
251	MLG2103	0.20									
252	MLG2104	7									
253	MLG2105	28									
254	MLG2106	40									
255	MLG2107	43									
256	MLG2108	41									
257	MLG2109	93									
258	MLG2110	37									
259	MLG2111	35									
260	MLG2112	0.30									
261	MLG2113	88									
262	MLG2114	37									
263	MLG2115	30									

Table A–6 Results of geochemical analysis

(1)

Ser. No.	Sample No.	Location Coordinates E	N	Geol. Unit	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Hg (ppb)	Factor Scores I	II
1	A2501	689.25	9824.47	Qd	<0.01	<0.1	33	18	53	<1	<1	142	−0.206	−0.438
2	A2502	689.29	9824.57	Qd	<0.01	<0.1	35	19	50	<1	<1	106	0.010	−0.323
3	A2503	689.32	9824.68	Qd	<0.01	<0.1	49	19	42	<1	<1	84	0.269	−0.081
4	A2504	689.32	9824.77	Qd	<0.01	<0.1	34	21	120	<1	2	79	0.099	0.900
5	A2505	689.30	9824.86	Qd	<0.01	<0.1	62	24	85	<1	2	127	−0.317	1.078
6	A2506	689.29	9824.95	Qd	<0.01	<0.1	42	19	55	<1	1	90	0.162	0.159
7	A2507	688.75	9824.58	Qd	<0.01	<0.1	38	9	89	<1	1	111	0.589	0.159
8	A2508	688.67	9824.54	Qd	<0.01	<0.1	24	10	28	<1	2	57	1.066	−0.918
9	A2509	688.61	9824.51	Qd	<0.01	<0.1	98	12	45	<1	3	57	1.075	1.045
10	A2510	688.53	9824.46	Qd	<0.01	<0.1	55	19	57	<1	4	67	0.434	0.882
11	A2511	688.43	9824.42	Qd	<0.01	<0.1	52	21	43	<1	2	84	0.171	0.372
12	A2512	688.35	9824.43	Qd	<0.01	<0.1	43	23	29	<1	2	139	−0.344	−0.289
13	A2513	688.28	9824.40	Qd	<0.01	<0.1	37	20	47	<1	1	92	0.090	−0.094
14	A2514	688.21	9824.33	Qd	<0.01	<0.1	44	54	13	<1	2	58	−0.284	−0.410
15	A2515	688.25	9824.25	Qd	0.06	<0.1	74	3	11	<1	<1	32	2.849	−1.1259
16	A2516	688.32	9824.24	Qd	<0.01	<0.1	96	5	102	<1	2	19	2.733	1.682
17	A2517	688.41	9824.24	Qd	0.08	<0.1	185	19	62	<1	3	47	0.912	2.179
18	A2518	688.49	9824.27	Qd	<0.01	<0.1	124	12	47	<1	2	31	1.635	1.402
19	A2519	688.59	9824.25	Qd	<0.01	<0.1	107	21	33	<1	3	66	0.494	1.010
20	A2520	688.68	9824.27	Qd	<0.01	<0.1	30	7	21	<1	<1	31	1.967	−1.240
21	A2521	688.78	9824.29	Qd	<0.01	<0.1	125	17	30	<1	2	65	0.725	0.905
22	A2522	688.69	9824.68	Qd	<0.01	<0.1	58	22	54	<1	2	102	−0.034	0.641
23	A2523	688.59	9824.69	Qd	<0.01	<0.1	44	13	29	<1	2	81	0.621	−0.308
24	A2524	688.48	9824.70	Qd	<0.01	<0.1	52	19	70	<1	2	115	−0.041	0.678
25	A2525	688.36	9824.66	Qd	<0.01	<0.1	48	18	53	<1	1	107	0.082	0.183
26	A2526	688.26	9824.64	Qd	<0.01	<0.1	37	16	64	<1	2	72	0.467	0.347
27	A2527	688.17	9824.56	Qd	<0.01	<0.1	34	16	41	<1	2	89	0.300	−0.202
28	A2528	688.06	9824.66	Qd	<0.01	<0.1	30	18	27	<1	3	115	−0.020	−0.637
29	A2529	688.14	9824.48	Qd	<0.01	<0.1	29	18	28	<1	3	136	−0.171	−0.688
30	A2530	688.06	9824.37	Qd	<0.01	<0.1	31	17	26	<1	2	116	0.035	−0.761
31	A2531	688.05	9824.29	Qd	<0.01	<0.1	35	20	29	<1	2	144	−0.282	−0.552
32	A2532	688.07	9824.19	Qd	<0.01	<0.1	30	17	29	<1	3	142	−0.156	−0.658
33	A2533	688.10	9824.10	Qd	<0.01	<0.1	39	18	30	<1	3	115	0.011	−0.286
34	A2534	688.12	9824.04	Qd	<0.01	<0.1	23	20	24	<1	5	783	−1.796	−1.428
35	A2535	688.13	9823.97	Qd	<0.01	<0.1	29	17	21	<1	3	181	−0.349	−1.056
36	A2536	688.23	9824.02	Qd	<0.01	<0.1	44	23	42	<1	3	194	−0.655	0.063
37	A2537	688.69	9824.81	Qd	<0.01	<0.1	48	18	56	<1	1	99	0.146	0.257
38	A2538	688.60	9824.89	Qd	<0.01	<0.1	55	19	22	<1	<1	45	0.862	−0.359
39	A2539	688.52	9824.94	Qd	<0.01	<0.1	168	11	27	<1	2	61	1.208	0.960
40	A2540	688.42	9824.95	Qd	<0.01	<0.1	34	13	38	<1	1	77	0.619	−0.470
41	A2541	688.30	9824.92	Qd	<0.01	<0.1	36	17	55	<1	5	89	0.225	0.364
42	A2542	688.44	9825.04	Qd	<0.01	<0.1	47	15	28	1	5	115	0.195	−0.108
43	A2543	688.46	9825.19	Qd	<0.01	<0.1	50	15	31	<1	5	75	0.564	0.175
44	A2544	688.47	9825.32	Qd	<0.01	<0.1	166	5	84	<1	5	55	1.900	1.938
45	A2545	688.46	9825.42	Qd	<0.01	<0.1	93	9	45	<1	6	50	1.422	1.098
46	A2546	688.43	9825.49	Qd	<0.01	<0.1	85	14	61	<1	8	32	1.384	1.652
47	A2547	688.85	9824.76	Qd	<0.01	<0.1	46	22	50	<1	5	144	−0.371	0.463
48	A2548	688.88	9824.85	Qd	<0.01	<0.1	43	11	59	<1	5	68	0.857	0.524
49	A2549	688.92	9824.93	Qd	<0.01	<0.1	43	15	44	<1	4	69	0.595	0.314
50	B2501	689.30	9824.28	Qd	<0.01	<0.1	36	11	50	<1	5	65	0.881	0.216
51	B2502	689.29	9824.36	Qd	<0.01	<0.1	45	24	40	<1	5	123	−0.301	0.321
52	B2503	689.30	9824.45	Qd	<0.01	<0.1	40	19	58	<1	5	75	0.287	0.607
53	B2504	689.35	9824.54	Qd	<0.01	<0.1	39	15	43	<1	5	61	0.686	0.291
54	B2505	689.14	9823.94	Qd	<0.01	<0.1	49	26	41	<1	6	134	−0.436	0.473
55	B2506	689.12	9824.03	Qd	<0.01	<0.1	45	11	44	<1	6	82	0.719	0.292

Ser. No.	Sample No.	Location Coordinates E	N	Geol. Unit	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Hg (ppb)	Factor Scores I	II	
56	B2507	689.09	9824.13	Qd	<0.01	<0.1	63	21	45	1	5	143	−0.272	0.660	
57	B2508	689.06	9824.22	Qd	<0.01	<0.1	38	14	32	<1	6	116	0.206	−0.179	
58	B2509	689.01	9824.30	Qd	<0.01	<0.1	37	26	33	1	5	142	−0.510	−0.058	
59	B2510	688.95	9824.38	Qd	<0.01	<0.1	39	23	32	<1	5	131	−0.325	−0.055	
60	B2511	688.93	9824.47	Qd	<0.01	<0.1	54	19	47	<1	5	95	0.141	0.638	
61	B2512	688.86	9824.55	Qd	<0.01	<0.1	54	23	69	<1	4	78	0.123	1.059	
62	B2513	688.81	9824.62	Qd	<0.01	<0.1	57	15	41	<1	4	81	0.503	0.476	
63	B2514	688.74	9824.71	Qd	<0.01	<0.1	97	14	33	<1	10	50	1.056	1.145	
64	B2520	688.23	9824.86	Qd	<0.01	<0.1	46	12	18	<1	4	31	1.542	−0.260	
65	B2521	688.14	9824.83	Qd	<0.01	<0.1	49	20	68	<1	5	92	0.087	0.904	
66	B2522	688.08	9824.80	Qd	<0.01	<0.1	38	21	32	<1	6	161	−0.429	−0.132	
67	B2523	688.00	9824.75	Qd	<0.01	<0.1	79	19	22	<1	4	112	0.104	0.221	
68	B2524	687.96	9824.87	Qd	<0.01	<0.1	39	22	41	<1	6	157	−0.459	0.141	
69	B2525	688.08	9824.58	Qd	<0.01	<0.1	34	19	45	<1	3	102	0.022	0.002	
70	B2526	688.98	9823.66	Qd	<0.01	<0.1	36	21	44	<1	4	61	0.382	0.301	
71	B2527	688.92	9823.74	Qd	<0.01	<0.1	16	6	23	<1	5	40	1.756	−1.344	
72	B2528	688.88	9823.81	Qd	<0.01	<0.1	32	15	43	<1	3	70	0.546	−0.069	
73	B2529	688.83	9823.87	Qd	<0.01	<0.1	77	18	39	<1	3	93	0.276	0.678	
74	B2530	688.79	9823.94	Qd	<0.01	<0.1	52	38	53	<1	4	123	−0.695	0.827	
75	B2531	688.73	9824.00	Qd	<0.01	<0.1	23	13	46	<1	4	50	0.903	−0.209	
76	B2532	688.70	9824.06	Qd	<0.01	<0.1	25	21	26	<1	3	82	0.112	−0.689	
77	B2533	688.60	9824.07	Qd	<0.01	<0.1	42	25	26	<1	3	217	−0.800	−0.418	
78	B2534	688.53	9824.15	Qd	<0.01	<0.1	42	31	73	<1	3	105	−0.429	0.812	
79	B2535	688.49	9824.18	Qd	<0.01	<0.1	37	19	57	<1	4	61	0.457	0.524	
80	B2536	688.43	9824.16	Qd	<0.01	0.4	40	42	48	<1	3	142	−0.934	0.405	
81	B2537	688.40	9824.09	Qd	<0.01	<0.1	75	125	60	<1	6	148	−1.852	1.771	
82	B2538	688.37	9824.00	Qd	<0.01	<0.1	42	25	28	<1	6	222	−0.834	−0.190	
83	B2539	688.36	9823.88	Qd	<0.01	<0.1	43	24	33	<1	5	191	−0.673	−0.032	
84	B2540	688.46	9823.83	Qd	<0.01	<0.1	36	22	32	<1	4	151	−0.417	−0.247	
85	B2541	688.57	9823.82	Qd	<0.01	<0.1	39	20	45	<1	5	80	0.199	0.353	
86	B2542	688.65	9823.75	Qd	<0.01	<0.1	42	23	30	<1	5	185	−0.606	−0.146	
87	B2543	688.72	9823.68	Qd	<0.01	<0.1	45	25	33	<1	5	183	−0.666	0.040	
88	B2544	688.77	9823.55	Qd	<0.01	<0.1	40	22	32	<1	4	135	−0.305	−0.110	
89	C2501	689.11	9823.63	Qd	<0.01	<0.1	59	15	47	<1	3	44	1.027	0.750	
90	C2502	689.13	9823.78	Qd	<0.01	<0.1	46	24	39	<1	4	121	−0.279	0.270	
91	C2503	689.19	9823.87	Qd	<0.01	<0.1	37	17	51	<1	4	73	0.407	0.329	
92	C2504	689.27	9823.96	Qd	<0.01	<0.1	43	23	41	<1	4	86	0.038	0.339	
93	C2505	689.32	9824.07	Qd	<0.01	<0.1	58	21	74	<1	5	64	0.375	1.274	
94	C2506	689.35	9824.19	Qd	<0.01	<0.1	48	24	44	<1	4	116	−0.244	0.433	
95	C2507	689.36	9824.31	Qd	<0.01	<0.1	47	23	40	<1	4	136	−0.341	0.262	
96	C2508	689.38	9824.42	Qd	<0.01	<0.1	38	25	29	1	5	142	−0.464	−0.163	
97	C2509	689.46	9824.54	Qd	<0.01	<0.1	39	16	47	<1	5	72	0.482	0.343	
98	C2510	689.57	9824.66	Qd	<0.01	<0.1	40	18	48	<1	5	87	0.219	0.372	
99	C2511	689.65	9824.80	Qd	<0.01	<0.1	44	19	64	<1	4	236	−0.686	0.382	
100	C2512	689.80	9824.85	Qd	<0.01	<0.1	38	11	59	<1	5	94	0.562	0.305	
101	C2513	689.86	9824.96	Qd	<0.01	<0.1	53	25	33	<1	3	235	−0.850	−0.001	
102	C2514	689.79	9825.12	Qd	<0.01	<0.1	54	23	35	<1	3	185	−0.573	0.113	
103	C2515	689.82	9825.29	Qd	<0.01	<0.1	48	12	23	<1	4	160	0.124	−0.501	
104	C2516	689.77	9825.45	Qd	<0.01	<0.1	40	19	32	<1	2	158	−0.303	−0.380	
105	C2517	689.73	9825.60	Qd	<0.01	<0.1	72	29	60	<1	3	161	−0.647	1.005	
106	C2518	689.63	9825.69	Qd	<0.01	<0.1	69	15	55	<1	3	74	0.594	0.885	
107	C2519	689.59	9825.78	Qd	0.38	<0.1	60	23	47	<1	3	155	−0.424	0.535	
108	C2520	689.40	9825.81	Qd	<0.01	<0.1	36	21	38	<1	2	156	−0.406	−0.288	
109	C2522	687.07	9824.64	Qd	<0.01	<0.1	62	26	65	<1	3	158	−0.563	0.898	
110	C2523	687.17	9824.68	Qd	<0.01	<0.1	24	20	37	<1	2	84	0.111	−0.535	

Ser. No.	Sample No.	Location Coordinates E	N	Geol. Unit	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Hg (ppb)	Factor Scores I	II
111	C2524	687.43	9824.54	Qd	<0.01	<0.1	50	30	61	<1	2	143	−0.624	0.615
112	C2525	687.53	9824.52	Qd	<0.01	<0.1	83	50	67	<1	4	140	−0.992	1.554
113	C2526	687.62	9824.50	Qd	<0.01	<0.1	48	23	121	<1	4	66	0.214	1.501
114	C2527	687.73	9824.44	Qd	<0.01	<0.1	56	26	53	<1	2	204	−0.779	0.438
115	C2528	687.86	9824.39	Qd	<0.01	<0.1	58	25	50	<1	3	226	−0.829	0.473
116	C2529	687.98	9824.38	Qd	<0.01	<0.1	36	24	44	<1	3	216	−0.816	−0.108
117	C2530	687.29	9824.56	Qd	<0.01	<0.1	57	32	61	<1	2	176	−0.839	0.702
118	C2531	687.17	9824.54	Qd	<0.01	<0.1	38	23	49	<1	3	104	−0.150	0.250
119	C2532	689.11	9824.34	Qd	<0.01	<0.1	46	23	40	<1	3	185	−0.604	0.077
120	C2533	689.08	9824.47	Qd	<0.01	<0.1	35	21	30	<1	3	194	−0.588	−0.496
121	C2534	689.06	9824.56	Qd	<0.01	<0.1	47	22	36	<1	2	196	−0.600	−0.130
122	C2535	689.05	9824.65	Qd	<0.01	<0.1	50	26	42	<1	3	238	−0.918	0.169
123	C2536	689.02	9824.72	Qd	<0.01	<0.1	40	24	31	<1	3	258	−0.931	−0.375
124	C2537	689.01	9824.82	Qd	<0.01	<0.1	38	26	27	<1	4	295	−1.119	−0.492
125	C2538	688.99	9824.90	Qd	<0.01	<0.1	48	23	26	<1	4	219	−0.720	−0.251
126	C2539	688.97	9824.99	Qd	<0.01	<0.1	45	25	33	<1	3	239	−0.888	−0.166
127	C2540	688.94	9825.07	Qd	<0.01	<0.1	51	26	40	<1	4	260	−0.992	0.188
128	C2541	688.92	9825.16	Qd	<0.01	<0.1	38	23	30	<1	3	224	−0.778	−0.427
129	C2542	688.87	9825.25	Qd	<0.01	<0.1	38	17	49	<1	3	110	0.065	0.123
130	C2543	688.78	9825.30	Qd	<0.01	<0.1	35	16	43	<1	3	152	−0.163	−0.196
131	C2544	688.66	9825.27	Qd	<0.01	<0.1	24	21	21	<1	4	319	−1.051	−1.267
132	C2545	688.63	9825.35	Qd	<0.01	<0.1	29	23	22	<1	2	242	−0.859	−1.092
133	C2546	688.66	9825.44	Qd	<0.01	<0.1	31	18	28	<1	4	152	−0.261	−0.588
134	C2547	688.61	9825.52	Qd	<0.01	<0.1	46	19	34	<1	4	192	−0.463	−0.080
135	C2548	688.55	9825.59	Qd	<0.01	<0.1	44	17	61	<1	3	117	0.20	0.444
136	C2549	688.45	9825.61	Qd	<0.01	<0.1	45	22	38	<1	4	207	−0.666	0.029
137	C2550	688.40	9825.70	Qd	<0.01	<0.1	40	20	30	<1	5	199	−0.554	−0.267
138	D2501	689.42	9825.35	Qd	<0.01	<0.1	60	22	61	<1	3	197	−0.607	0.680
139	D2502	689.34	9825.34	Qd	<0.01	<0.1	43	16	50	<1	4	108	0.147	0.315
140	D2503	689.27	9825.39	Qd	<0.01	<0.1	35	18	32	<1	3	137	−0.159	−0.387
141	D2504	689.18	9825.41	Qd	<0.01	<0.1	53	18	31	<1	4	184	−0.081	0.066
142	D2505	689.10	9825.46	Qd	<0.01	<0.1	42	20	26	<1	3	202	−0.544	−0.477
143	D2506	689.02	9825.51	Qd	<0.01	<0.1	37	14	59	<1	4	84	0.447	0.346
144	D2507	688.91	9825.56	Qd	<0.01	<0.1	35	19	27	<1	4	208	−0.557	−0.579
145	D2508	688.81	9825.62	Qd	<0.01	<0.1	36	16	16	<1	1	113	0.171	−1.235
146	D2509	688.73	9825.72	Qd	<0.01	<0.1	48	39	49	<1	2	172	−1.003	0.417
147	D2510	688.68	9825.76	Qd	<0.01	<0.1	66	14	39	<1	2	116	0.288	0.270
148	D2511	688.62	9825.82	Qd	<0.01	<0.1	54	19	75	<1	4	146	−0.254	0.872
149	D2512	688.55	9825.88	Qd	<0.01	<0.1	37	14	21	<1	2	82	0.540	−0.745
150	D2513	688.51	9825.96	Qd	<0.01	<0.1	56	10	24	<1	4	49	1.318	−0.016
151	D2514	687.31	9824.75	Qd	<0.01	<0.1	68	10	22	1	2	51	1.327	−0.086
152	D2515	687.44	9824.72	Qd	<0.01	<0.1	49	12	31	<1	2	73	0.791	−0.141
153	D2516	687.56	9824.73	Qd	<0.01	<0.1	50	1	30	<1	3	18	4.159	−0.525
154	D2517	687.65	9824.73	Qd	<0.01	<0.1	39	19	34	<1	2	72	0.364	−0.109
155	D2518	687.71	9824.82	Qd	<0.01	<0.1	27	1	21	<1	2	88	2.735	−2.032
156	D2519	687.77	9824.87	Qd	<0.01	<0.1	20	22	20	2	2	137	−0.380	−1.381
157	D2521	687.87	9824.87	Qd	<0.01	<0.1	22	11	30	<1	3	61	0.902	−0.829
158	D2522	687.92	9824.93	Qd	<0.01	<0.1	72	23	60	<1	2	86	0.098	1.015
159	D2523	687.56	9824.93	Qd	<0.01	<0.1	31	17	18	<1	1	61	0.618	−1.063
160	D2524	687.57	9825.01	Qd	<0.01	<0.1	39	5	36	<1	2	29	2.304	−0.263
161	D2525	687.52	9825.10	Qd	<0.01	<0.1	30	12	25	<1	2	54	0.992	−0.720
162	D2526	687.65	9825.21	Qd	<0.01	<0.1	37	24	34	<1	2	128	−0.341	−0.252
163	D2527	687.69	9825.30	Qd	<0.01	<0.1	33	16	20	1	2	104	0.207	−0.924
164	D2528	687.67	9825.40	Qd	<0.01	<0.1	25	22	25	<1	2	176	−0.577	−1.040
165	D2529	687.66	9825.47	Qd	<0.01	<0.1	28	24	55	<1	2	120	−0.356	−0.071

Ser. No.	Sample No.	Location Coordinates E	Location Coordinates N	Geol. Unit	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Hg (ppb)	Factor Scores I	Factor Scores II	
166	D2530	687.75	9825.49	Qd	<0.01	<0.1	26	21	39	<1	3	110	−0.160	−0.376	
167	D2531	687.68	9825.54	Qd	<0.01	<0.1	56	19	93	<1	3	127	−0.139	1.074	
168	D2532	687.72	9825.61	Qd	<0.01	<0.1	47	21	78	<1	4	94	0.014	0.944	
169	D2533	687.77	9825.67	Qd	<0.01	<0.1	56	55	77	<1	3	131	−1.080	1.281	
170	D2534	687.81	9825.72	Qd	<0.01	<0.1	29	14	58	<1	2	93	0.334	−0.107	
171	E2501	688.90	9824.24	Qd	<0.01	<0.1	41	23	33	<1	3	203	−0.689	−0.237	
172	E2505	688.70	9824.75	Qd	<0.01	<0.1	33	21	23	1	3	176	−0.496	−0.763	
173	E2506	688.59	9824.79	Qd	<0.01	<0.1	24	18	15	<1	1	139	−0.164	−1.709	
174	E2507	688.48	9824.85	Qd	<0.01	<0.1	27	24	19	<1	2	266	−0.979	−1.307	
175	E2508	688.39	9824.80	Qd	<0.01	<0.1	33	23	26	<1	3	162	−0.512	−0.594	
176	E2509	688.30	9824.76	Qd	<0.01	<0.1	67	25	57	<1	3	253	−0.913	0.696	
177	E2510	688.17	9824.70	Qd	<0.01	<0.1	42	23	45	<1	5	222	−0.788	0.163	
178	E2513	688.14	9824.40	Qd	<0.01	<0.1	15	2	13	<1	2	63	2.362	−2.683	
179	E2514	688.17	9824.27	Qd	<0.01	<0.1	124	49	23	<1	2	176	−1.038	0.737	
180	E2515	688.24	9824.14	Qd	<0.01	<0.1	42	31	61	<1	3	134	−0.627	0.575	
181	E2517	687.01	9824.14	Qd	<0.01	<0.1	45	24	38	<1	2	128	−0.320	0.039	
182	E2518	687.23	9824.11	Qd	<0.01	<0.1	63	20	50	<1	3	63	0.474	0.864	
183	E2519	687.38	9824.12	Qd	<0.01	<0.1	65	88	72	<1	2	108	−1.293	1.497	
184	E2520	687.46	9824.14	Qd	<0.01	<0.1	25	25	27	<1	2	123	−0.385	−0.814	
185	E2521	687.56	9824.12	Qd	<0.01	<0.1	51	34	40	<1	1	271	−1.244	−0.065	
186	E2522	687.66	9824.11	Qd	<0.01	<0.1	17	14	14	<1	1	110	0.210	−2.126	
187	E2523	687.74	9824.10	Qd	<0.01	<0.1	24	20	20	<1	<1	150	−0.330	−1.604	
188	E2524	687.85	9824.10	Qd	<0.01	<0.1	48	23	37	<1	<1	188	−0.584	−0.393	
189	E2525	687.98	9824.11	Qd	<0.01	<0.1	48	26	33	<1	1	273	−1.013	−0.397	
190	E2526	687.92	9824.03	Qd	<0.01	<0.1	32	23	27	<1	2	262	−0.926	−0.836	
191	E2527	687.88	9823.94	Qd	<0.01	<0.1	29	20	26	<1	<1	147	−0.302	−1.177	
192	E2528	687.82	9823.84	Qd	<0.01	<0.1	15	9	7	<1	1	51	1.280	−2.797	
193	E2529	687.78	9823.71	Qd	<0.01	<0.1	42	18	47	<1	3	133	−0.130	0.146	
194	E2531	687.98	9824.79	Qd	<0.01	<0.1	43	23	47	<1	1	243	−0.844	−0.195	
195	E2532	687.96	9824.84	Qd	<0.01	<0.1	36	22	46	<1	1	228	−0.775	−0.384	
196	E2534	687.97	9824.95	Qd	<0.01	<0.1	39	18	41	<1	<1	213	−0.514	−0.630	
197	E2535	687.98	9825.01	Qd	<0.01	<0.1	27	22	29	1	<1	168	−0.517	−1.155	
198	E2536	687.99	9825.08	Qd	<0.01	<0.1	37	22	53	<1	2	235	−0.815	−0.070	
199	E2537	688.00	9825.15	Qd	<0.01	<0.1	105	23	57	<1	<1	109	−0.029	0.926	
200	E2538	688.02	9825.21	Qd	<0.01	<0.1	51	18	39	<1	1	205	−0.448	−0.233	
201	E2539	688.04	9825.29	Qd	<0.01	<0.1	31	19	25	<1	1	208	−0.552	−1.104	
202	E2540	688.04	9825.40	Qd	<0.01	<0.1	38	20	29	<1	<1	204	−0.551	−0.916	
203	E2541	688.06	9825.51	Qd	<0.01	<0.1	37	16	23	<1	3	217	−0.422	−0.814	
204	E2542	688.09	9825.61	Qd	<0.01	<0.1	30	20	24	<1	1	225	−0.666	−1.178	
205	E2543	688.09	9825.71	Qd	<0.01	<0.1	31	20	49	<1	1	139	−0.292	−0.356	

Table A–7 Lists of measured value of borehole IP survey and IP survey

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E0 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 0 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.20	500.00	591.9	4.2	.237	1.17	506.	.84	602.
3- 5	.20	151.00	908.2	5.9	1.203	1.49	610.	1.26	484.
5- 7	1.00	346.00	992.5	8.0	2.868	1.56	636.	1.13	563.
7- 9	1.00	273.00	1445.7	7.5	5.296	1.60	904.	1.12	807.
9- 11	1.00	116.00	992.2	5.1	8.554	1.61	616.	.80	770.
11- 13	1.00	158.00	2009.3	7.3	12.720	1.59	1264.	1.20	1053.
13- 15	1.00	30.90	551.9	8.1	17.860	1.57	352.	.77	456.
15- 17	1.00	24.40	587.2	8.3	24.060	1.55	379.	.66	574.
17- 19	1.00	23.20	728.6	8.3	31.410	1.53	476.	.77	618.
19- 21	1.00	38.70	1546.7	8.2	39.970	1.52	1018.	1.36	748.
21- 23	1.00	30.00	1494.7	6.8	49.820	1.51	990.	1.44	687.

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.20	503.00	593.8	4.4	.236	1.16	512.	.84	609.
3- 5	.20	138.00	827.5	6.3	1.199	1.46	567.	1.23	461.
5- 7	.50	147.00	851.5	7.4	2.896	1.46	583.	1.10	530.
7- 9	.50	97.30	1065.5	7.2	5.475	1.42	750.	1.09	688.
9- 11	.50	37.60	684.7	5.3	9.105	1.33	515.	.80	644.
11- 13	.50	47.90	1334.7	7.3	13.930	1.21	1103.	1.26	875.
13- 15	.50	8.70	349.2	7.2	20.070	1.09	320.	.84	381.
15- 17	.50	6.58	363.0	7.8	27.580	.96	378.	.78	485.
17- 19	.50	5.96	435.3	8.5	36.520	.86	506.	.97	522.
19- 21	.50	9.33	874.8	8.5	46.880	.76	1151.	1.83	629.
21- 23	.50	6.85	803.8	7.5	58.670	.68	1182.	2.00	591.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.70	23.80	2868.5	13.9	84.370	0.22	13039.	16.91	771.
3- 5	.70	31.20	17967.6	10.5	403.100	13.27	1354.	2.78	487.
5- 7	.70	38.30	16306.4	9.9	298.000	9.13	1786.	1.62	1102.
7- 9	.65	50.50	12526.7	7.7	161.200	6.24	2008.	1.29	1556.
9- 11	.65	25.50	5547.1	5.5	141.400	5.56	998.	.79	1263.
11- 13	.65	39.00	8746.2	7.6	145.800	5.33	1641.	1.07	1534.
13- 15	.65	8.73	2180.7	7.6	162.400	5.28	413.	.65	635.
15- 17	.65	7.11	2062.8	8.0	188.600	5.35	386.	.52	742.
17- 19	.65	7.18	2479.0	8.4	224.400	5.51	450.	.58	776.
19- 21	.65	12.90	5379.1	8.5	271.000	5.73	939.	1.02	920.
21- 23	.65	10.70	5440.4	7.7	330.500	6.04	901.	1.09	826.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E30 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 30 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	2610.00	617.9	3.7	.237	1.17	528.	.86	614.
3- 5	1.00	764.00	919.0	6.2	1.203	1.49	617.	1.44	428.
5- 7	1.00	493.00	1414.1	6.9	2.868	1.56	907.	1.47	617.
7- 9	1.00	260.00	1376.8	8.0	5.296	1.60	861.	1.23	700.
9- 11	1.00	233.00	1993.0	7.6	8.554	1.61	1238.	1.44	860.
11- 13	1.00	75.90	965.2	7.7	12.720	1.59	607.	.75	809.
13- 15	1.00	83.20	1486.1	6.7	17.860	1.57	947.	1.14	830.
15- 17	1.00	47.00	1131.0	5.9	24.060	1.55	730.	1.08	676.
17- 19	1.00	72.00	2261.3	6.8	31.410	1.53	1478.	1.49	992.
19- 21	1.00	67.10	2681.8	7.3	39.970	1.52	1764.	1.92	919.
21- 23	1.00	34.70	1728.9	5.6	49.820	1.51	1145.	1.80	636.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.50	1290.00	609.1	4.0	.236	1.16	525.	.86	611.
3- 5	.50	370.00	887.5	6.0	1.199	1.46	608.	1.44	422.
5- 7	.50	224.00	1297.5	6.5	2.896	1.46	889.	1.47	605.
7- 9	.50	106.00	1160.8	8.1	5.475	1.42	817.	1.22	670.
9- 11	.50	82.20	1496.8	7.1	9.105	1.33	1125.	1.42	793.
11- 13	.50	24.00	668.8	8.1	13.930	1.21	553.	.75	737.
13- 15	.50	25.10	1007.5	6.9	20.070	1.09	924.	1.19	777.
15- 17	.50	13.40	739.3	6.0	27.580	.96	770.	1.17	658.
17- 19	.50	19.50	1424.2	6.4	36.520	.86	1656.	1.61	1029.
19- 21	.50	17.00	1593.9	6.9	46.880	.76	2097.	2.03	1033.
21- 23	.50	7.40	868.3	4.4	58.670	.68	1277.	1.82	702.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.65	12.00	1557.6	19.7	84.370	0.22	7080.	6.24	1135.
3- 5	.65	12.80	7938.4	15.7	403.100	13.27	598.	1.46	410.
5- 7	.65	29.60	13571.7	10.7	298.000	9.13	1487.	1.52	978.
7- 9	.65	30.60	7590.4	9.7	161.200	6.24	1216.	1.28	950.
9- 11	.65	43.40	9441.0	8.6	141.400	5.56	1698.	1.51	1125.
11- 13	.65	18.30	4104.0	9.8	145.800	5.33	770.	.74	1041.
13- 15	.65	21.20	5295.5	7.3	162.400	5.28	1003.	1.06	946.
15- 17	.65	12.90	3742.7	6.8	188.600	5.35	700.	.99	707.
17- 19	.65	21.70	7492.2	8.3	224.400	5.51	1360.	1.39	978.
19- 21	.65	21.80	9090.2	8.6	271.000	5.73	1586.	1.83	867.
21- 23	.65	12.80	6508.2	6.7	330.500	6.04	1078.	1.78	605.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E60 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 60 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	2870.00	679.5	3.7	.237	1.17	581.	1.07	543.
3- 5	1.00	892.00	1073.0	6.2	1.203	1.49	720.	1.32	546.
5- 7	1.00	492.00	1411.3	7.4	2.868	1.56	905.	1.50	603.
7- 9	1.00	230.00	1218.0	6.9	5.296	1.60	761.	1.42	536.
9- 11	1.00	271.00	2318.1	8.2	8.554	1.61	1440.	1.00	1440.
11- 13	1.00	80.50	1023.7	7.2	12.720	1.59	644.	.77	836.
13- 15	1.00	94.00	1679.0	6.4	17.860	1.57	1069.	1.27	842.
15- 17	1.00	76.50	1841.0	5.5	24.060	1.55	1188.	1.15	1033.
17- 19	1.00	51.10	1604.9	5.4	31.410	1.53	1049.	1.37	766.
19- 21	1.00	19.30	771.4	5.5	39.970	1.52	508.	.88	577.
21- 23	1.00	25.90	1290.5	5.5	49.820	1.51	855.	1.10	777.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.50	1430.00	675.2	3.8	.236	1.16	582.	1.08	539.
3- 5	.50	439.00	1053.0	6.4	1.199	1.46	721.	1.34	538.
5- 7	.50	228.00	1320.7	7.0	2.896	1.46	905.	1.54	587.
7- 9	.50	91.50	1002.0	6.5	5.475	1.42	706.	1.37	515.
9- 11	.50	88.20	1606.0	7.8	9.105	1.33	1208.	.87	1388.
11- 13	.50	25.90	721.7	6.7	13.930	1.21	596.	.66	904.
13- 15	.50	27.40	1099.8	5.9	20.070	1.09	1009.	1.03	980.
15- 17	.50	20.50	1131.0	5.4	27.580	.96	1178.	.85	1386.
17- 19	.50	11.40	832.6	5.1	36.520	.86	968.	.90	1076.
19- 21	.50	3.05	286.0	5.5	46.880	.76	376.	.53	710.
21- 23	.50	4.87	571.4	5.1	58.670	.68	840.	.63	1334.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.70	4.93	594.2	28.0	84.370	0.22	2701.	6.24	433.
3- 5	.65	4.01	2486.9	42.0	403.100	13.27	187.	.07	2677.
5- 7	.65	20.90	9582.7	12.0	298.000	9.13	1050.	1.02	1029.
7- 9	.65	29.30	7268.0	8.5	161.200	6.24	1165.	1.73	673.
9- 11	.65	59.10	12856.3	9.8	141.400	5.56	2312.	1.44	1606.
11- 13	.65	18.50	4148.8	8.8	145.800	5.33	778.	1.00	778.
13- 15	.65	25.10	6269.7	7.8	162.400	5.28	1187.	1.63	728.
15- 17	.65	22.80	6614.9	6.0	188.600	5.35	1236.	1.50	824.
17- 19	.65	18.20	6283.8	5.7	224.400	5.51	1140.	1.79	637.
19- 21	.65	8.48	3536.0	5.4	271.000	5.73	617.	1.14	541.
21- 23	.65	10.50	5338.8	6.0	330.500	6.04	884.	1.38	641.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E90 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 90 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	3110.00	736.3	3.6	.237	1.17	629.	1.09	577.
3- 5	1.00	835.00	1004.4	6.8	1.203	1.49	674.	1.21	557.
5- 7	1.00	368.00	1055.6	7.6	2.868	1.56	677.	1.33	509.
7- 9	1.00	322.00	1705.2	8.5	5.296	1.60	1066.	1.08	987.
9- 11	1.00	212.00	1813.4	7.5	8.554	1.61	1126.	1.10	1024.
11- 13	1.00	128.00	1627.8	6.6	12.720	1.59	1024.	1.04	984.
13- 15	1.00	65.90	1177.1	5.2	17.860	1.57	750.	.96	781.
15- 17	1.00	62.80	1511.3	5.7	24.060	1.55	975.	1.03	947.
17- 19	1.00	28.90	907.7	6.3	31.410	1.53	593.	.90	659.
19- 21	1.00	17.10	683.4	6.6	39.970	1.52	450.	.67	671.
21- 23	1.00	18.60	926.7	7.4	49.820	1.51	614.	.67	916.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.50	1570.00	741.3	3.8	.236	1.16	639.	1.11	576.
3- 5	.50	415.00	995.4	6.9	1.199	1.46	682.	1.26	541.
5- 7	.50	172.00	996.3	7.1	2.896	1.46	682.	1.39	491.
7- 9	.50	121.00	1325.0	6.9	5.475	1.42	933.	.98	952.
9- 11	.50	61.90	1127.1	6.8	9.105	1.33	848.	.78	1087.
11- 13	.50	27.90	777.4	6.2	13.930	1.21	643.	.50	1285.
13- 15	.50	11.00	441.5	5.9	20.070	1.09	405.	.29	1397.
15- 17	.50	9.15	504.8	6.5	27.580	.96	526.	.16	3286.
17- 19	.50	3.59	262.2	7.5	36.520	.86	305.	.04	7623.
19- 21	.50	1.73	162.2	9.3	46.880	.76	213.	.02	10670.
21- 23	.50	2.00	234.7	9.2	58.670	.68	345.	.05	6902.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.60	16.70	2348.2	3.6	84.370	0.22	10674.	22.31	478.
3- 5	.60	1.59	1068.3	.0	403.100	13.27	81.	1.61	50.
5- 7	.60	13.10	6506.9	18.8	298.000	9.13	713.	.63	1131.
7- 9	.60	46.00	12361.3	11.7	161.200	6.24	1981.	1.67	1186.
9- 11	.60	52.40	12348.8	8.8	141.400	5.56	2221.	2.21	1005.
11- 13	.60	42.60	10349.7	6.5	145.800	5.33	1942.	2.22	875.
13- 15	.60	26.70	7225.1	5.3	162.400	5.28	1368.	2.01	681.
15- 17	.60	27.00	8486.3	5.5	188.600	5.35	1586.	2.04	778.
17- 19	.60	13.30	4974.7	6.0	224.400	5.51	903.	1.69	534.
19- 21	.60	8.10	3659.0	6.0	271.000	5.73	639.	1.18	541.
21- 23	.60	8.68	4781.1	6.9	330.500	6.04	792.	1.10	720.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E120 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: S 60 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	2910.00	689.0	3.9	.237	1.17	589.	.97	607.
3- 5	1.00	835.00	1004.4	6.7	1.203	1.49	674.	1.10	613.
5- 7	1.00	435.00	1247.8	7.5	2.868	1.56	800.	1.10	727.
7- 9	1.00	272.00	1440.4	7.5	5.296	1.60	900.	1.07	841.
9- 11	1.00	271.00	2318.1	7.6	8.554	1.61	1440.	1.00	1440.
11- 13	1.00	99.20	1261.5	5.8	12.720	1.59	793.	1.12	708.
13- 15	1.00	54.80	978.8	5.6	17.860	1.57	623.	.89	700.
15- 17	1.00	54.10	1301.9	6.6	24.060	1.55	840.	.85	988.
17- 19	1.00	26.80	841.7	7.0	31.410	1.53	550.	.59	932.
19- 21	1.00	19.30	771.4	7.6	39.970	1.52	508.	.58	875.
21- 23	1.00	10.90	543.1	7.4	49.820	1.51	360.	.60	600.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.50	1470.00	694.1	4.1	.236	1.16	598.	.99	604.
3- 5	.75	626.00	1001.0	6.2	1.199	1.46	686.	1.17	586.
5- 7	.75	310.00	1197.1	6.7	2.896	1.46	820.	1.16	707.
7- 9	.75	155.00	1131.6	6.5	5.475	1.42	797.	.95	839.
9- 11	.75	108.00	1311.1	6.6	9.105	1.33	986.	.59	1671.
11- 13	.75	23.80	442.1	6.8	13.930	1.21	365.	.27	1353.
13- 15	.75	5.48	146.6	9.9	20.070	1.09	135.	.03	4483.
15- 17	.75	4.21	154.8	15.7	27.580	.96	161.	.18	896.
17- 19	.75	.17	8.7	.0	36.520	.86	10.	.19	53.
19- 21	.75	.00	.0	.0	46.880	.76	0.	.23	0.
21- 23	.75	.16	12.6	.0	58.670	.68	19.	.28	66.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	24.30	2733.5	1.4	84.370	0.22	12425.	30.33	410.
3- 5	.75	4.77	2563.8	-20.0	403.100	13.27	193.	2.34	83.
5- 7	.75	14.50	5761.9	38.0	298.000	9.13	631.	.28	2254.
7- 9	.75	49.60	10663.0	11.8	161.200	6.24	1709.	1.80	949.
9- 11	.75	95.90	18080.1	8.4	141.400	5.56	3252.	2.42	1344.
11- 13	.75	50.70	9854.1	5.5	145.800	5.33	1849.	2.99	618.
13- 15	.75	35.80	7750.1	5.1	162.400	5.28	1468.	2.33	630.
15- 17	.75	36.10	9077.2	5.7	188.600	5.35	1697.	2.05	828.
17- 19	.75	19.70	5894.8	5.9	224.400	5.51	1070.	1.30	823.
19- 21	.75	14.40	5204.0	6.8	271.000	5.73	908.	1.16	783.
21- 23	.75	8.15	3591.4	6.2	330.500	6.04	595.	1.13	526.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E150 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: S 30 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.50	4870.00	768.7	5.4	.237	1.17	657.	.87	755.
3- 5	1.50	1130.00	906.2	6.8	1.203	1.49	608.	1.01	602.
5- 7	1.50	661.00	1264.0	8.2	2.868	1.56	810.	.94	862.
7- 9	1.50	436.00	1539.2	7.2	5.296	1.60	962.	.94	1023.
9- 11	1.50	250.00	1425.6	7.2	8.554	1.61	886.	.82	1080.
11- 13	1.50	177.00	1500.6	7.2	12.720	1.59	944.	.96	983.
13- 15	1.50	81.10	965.7	6.6	17.860	1.57	615.	.89	691.
15- 17	1.50	98.40	1578.7	6.7	24.060	1.55	1019.	.84	1213.
17- 19	1.50	39.50	827.0	6.6	31.410	1.53	541.	.65	832.
19- 21	1.50	25.10	668.8	6.9	39.970	1.52	440.	.59	746.
21- 23	1.50	18.70	621.1	6.3	49.820	1.51	411.	.59	697.

*** D-S ELECTRODE CONFIGURTION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	2490.00	783.8	4.5	.236	1.16	676.	.90	751.
3- 5	.75	590.00	943.5	6.6	1.199	1.46	646.	1.08	598.
5- 7	.75	330.00	1274.4	7.4	2.896	1.46	873.	.99	882.
7- 9	.75	163.00	1190.0	6.4	5.475	1.42	838.	.77	1088.
9- 11	.75	49.70	603.3	6.3	9.105	1.33	454.	.38	1194.
11- 13	.75	12.20	226.6	9.7	13.930	1.21	187.	.11	1703.
13- 15	.75	3.14	84.0	.0	20.070	1.09	77.	.19	406.
15- 17	.75	10.00	367.8	1.4	27.580	.96	383.	.38	1008.
17- 19	.75	4.31	209.9	1.4	36.520	.86	244.	.39	626.
19- 21	.75	2.48	155.0	1.4	46.880	.76	204.	.42	486.
21- 23	.75	2.15	168.2	1.3	58.670	.68	247.	.48	515.

*** D-R ELECTRODE CONFIGURTION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	36.40	4094.7	5.2	84.370	0.22	18612.	39.95	466.
3- 5	.75	26.80	14404.8	-2.0	403.100	13.27	1086.	2.97	365.
5- 7	.75	1.32	524.5	40.0	298.000	9.13	58.	.32	180.
7- 9	.75	55.30	11888.4	12.0	161.200	6.24	1905.	1.95	977.
9- 11	.75	74.60	14064.4	7.9	141.400	5.56	2530.	2.32	1090.
11- 13	.75	75.70	14713.1	6.4	145.800	5.33	2760.	2.85	969.
13- 15	.75	43.60	9438.7	5.8	162.400	5.28	1788.	2.58	693.
15- 17	.75	59.60	14986.1	6.0	188.600	5.35	2801.	2.27	1234.
17- 19	.75	24.10	7211.4	5.9	224.400	5.51	1309.	1.60	818.
19- 21	.75	15.00	5420.8	6.0	271.000	5.73	946.	1.33	711.
21- 23	.75	11.40	5023.5	6.5	330.500	6.04	832.	1.23	676.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E180 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: S 0 E RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	3130.00	741.1	4.5	.237	1.17	633.	.85	745.
3- 5	1.00	732.00	880.5	6.6	1.203	1.49	591.	1.04	568.
5- 7	1.00	307.00	880.6	7.5	2.868	1.56	565.	1.02	553.
7- 9	1.00	338.00	1789.9	7.6	5.296	1.60	1119.	1.01	1108.
9- 11	1.00	100.00	855.4	7.5	8.554	1.61	531.	.74	718.
11- 13	1.00	49.80	633.3	7.3	12.720	1.59	398.	.70	569.
13- 15	1.00	54.00	964.5	7.3	17.860	1.57	614.	.65	945.
15- 17	1.00	84.30	2028.7	7.7	24.060	1.55	1309.	1.04	1258.
17- 19	1.00	27.80	873.1	6.9	31.410	1.53	571.	.84	679.
19- 21	1.00	30.90	1235.0	5.9	39.970	1.52	813.	.95	855.
21- 23	1.00	18.90	941.7	6.2	49.820	1.51	624.	.83	751.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	2390.00	752.4	4.6	.236	1.16	649.	.87	746.
3- 5	.75	589.00	941.9	6.2	1.199	1.46	645.	1.11	581.
5- 7	.75	250.00	965.4	6.8	2.896	1.46	661.	1.07	618.
7- 9	.75	205.00	1496.6	7.2	5.475	1.42	1054.	.83	1270.
9- 11	.75	24.50	297.4	4.4	9.105	1.33	224.	.40	559.
11- 13	.75	3.33	61.9	.5	13.930	1.21	51.	.24	213.
13- 15	.75	1.74	46.6	16.0	20.070	1.09	43.	.13	328.
15- 17	.75	13.70	503.9	7.8	27.580	.96	525.	.03	17497.
17- 19	.75	6.75	328.7	4.2	36.520	.86	382.	.15	2548.
19- 21	.75	8.01	500.7	4.3	46.880	.76	659.	.31	2125.
21- 23	.75	5.13	401.3	4.9	58.670	.68	590.	.39	1513.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	55.80	6277.0	5.9	84.370	0.22	28532.	33.82	844.
3- 5	.75	45.50	24456.0	1.4	403.100	13.27	1843.	2.51	734.
5- 7	.75	19.40	7709.0	-1.8	298.000	9.13	844.	.50	1689.
7- 9	.75	45.50	9781.6	8.1	161.200	6.24	1568.	2.10	746.
9- 11	.75	49.50	9332.3	6.0	141.400	5.56	1679.	1.91	879.
11- 13	.75	33.70	6549.9	5.5	145.800	5.33	1229.	1.72	714.
13- 15	.75	41.40	8962.4	6.3	162.400	5.28	1697.	1.46	1163.
15- 17	.75	76.40	19210.4	8.6	188.600	5.35	3591.	2.20	1632.
17- 19	.75	27.40	8198.8	7.0	224.400	5.51	1488.	1.74	855.
19- 21	.75	31.10	11239.1	6.4	271.000	5.73	1961.	1.87	1049.
21- 23	.75	19.10	8416.6	6.0	330.500	6.04	1394.	1.56	893.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E210 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: S 30 W RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURATION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	3390.00	802.6	5.1	.237	1.17	686.	1.02	673.
3- 5	1.00	1020.00	1226.9	7.5	1.203	1.49	823.	1.43	576.
5- 7	1.00	256.00	734.3	8.2	2.868	1.56	471.	.76	619.
7- 9	1.00	77.60	410.9	6.9	5.296	1.60	257.	.54	476.
9- 11	1.00	132.00	1129.1	7.9	8.554	1.61	701.	.90	779.
11- 13	1.00	64.10	815.2	7.3	12.720	1.59	513.	.67	765.
13- 15	1.00	40.80	728.7	7.8	17.860	1.57	464.	.63	737.
15- 17	1.00	39.60	953.0	8.3	24.060	1.55	615.	.95	647.
17- 19	1.00	37.30	1171.5	6.4	31.410	1.53	766.	1.27	603.
19- 21	1.00	68.50	2737.7	7.1	39.970	1.52	1801.	1.78	1012.
21- 23	1.00	30.00	1494.7	7.9	49.820	1.51	990.	1.02	970.

*** D-S ELECTRODE CONFIGURATION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	2620.00	824.8	4.5	.236	1.16	711.	1.04	684.
3- 5	.75	793.00	1268.1	6.8	1.199	1.46	869.	1.46	595.
5- 7	.75	170.00	656.5	7.3	2.896	1.46	450.	.68	661.
7- 9	.75	49.70	362.8	6.2	5.475	1.42	256.	.44	581.
9- 11	.75	45.90	557.2	5.9	9.105	1.33	419.	.67	625.
11- 13	.75	11.00	204.3	4.5	13.930	1.21	169.	.43	393.
13- 15	.75	9.77	261.4	7.2	20.070	1.09	240.	.38	631.
15- 17	.75	6.41	235.8	4.8	27.580	.96	246.	.53	463.
17- 19	.75	.00	.0	.0	36.520	.86	0.	.55	0.
19- 21	.75	13.30	831.3	7.7	46.880	.76	1094.	.44	2486.
21- 23	.75	2.71	212.0	7.0	58.670	.68	312.	.09	3464.

*** D-R ELECTRODE CONFIGURATION **

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	50.50	5680.8	7.0	84.370	0.22	25822.	22.79	1133.
3- 5	.75	24.90	13383.6	-7.0	403.100	13.27	1009.	.24	4203.
5- 7	.75	23.60	9377.9	13.3	298.000	9.13	1027.	1.90	541.
7- 9	.75	8.41	1808.0	11.9	161.200	6.24	290.	1.16	250.
9- 11	.75	51.60	9728.2	9.0	141.400	5.56	1750.	1.71	1023.
11- 13	.75	37.00	7191.3	8.4	145.800	5.33	1349.	1.19	1134.
13- 15	.75	20.70	4481.2	9.0	162.400	5.28	849.	1.02	832.
15- 17	.75	23.20	5833.5	9.3	188.600	5.35	1090.	1.44	757.
17- 19	.75	27.60	8258.7	6.6	224.400	5.51	1499.	1.91	785.
19- 21	.75	64.30	23237.1	7.0	271.000	5.73	4055.	2.76	1469.
21- 23	.75	29.80	13131.6	7.2	330.500	6.04	2174.	1.59	1367.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E240 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: S 60 W RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	3010.00	712.6	7.5	.237	1.17	609.	1.04	586.
3- 5	1.00	1240.00	1491.6	7.3	1.203	1.49	1001.	1.68	596.
5- 7	1.00	178.00	510.6	7.0	2.868	1.56	327.	.88	372.
7- 9	1.00	55.40	293.4	8.3	5.296	1.60	183.	.47	390.
9- 11	1.00	112.00	958.0	9.1	8.554	1.61	595.	1.02	583.
11- 13	1.00	34.90	443.8	7.2	12.720	1.59	279.	.56	498.
13- 15	1.00	50.00	893.1	7.1	17.860	1.57	569.	.76	748.
15- 17	1.00	49.40	1188.8	8.5	24.060	1.55	767.	.80	959.
17- 19	1.00	72.80	2286.4	7.6	31.410	1.53	1494.	1.71	874.
19- 21	1.00	13.90	555.5	6.5	39.970	1.52	366.	.77	475.
21- 23	1.00	20.20	1006.5	6.7	49.820	1.51	667.	.97	687.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	2280.00	717.7	7.5	.236	1.16	619.	1.04	595.
3- 5	.75	937.00	1498.3	6.9	1.199	1.46	1026.	1.65	622.
5- 7	.75	109.00	420.9	6.0	2.896	1.46	288.	.79	365.
7- 9	.75	30.20	220.5	7.4	5.475	1.42	155.	.41	379.
9- 11	.75	43.40	526.8	8.1	9.105	1.33	396.	.89	445.
11- 13	.75	4.24	78.8	8.1	13.930	1.21	65.	.48	136.
13- 15	.75	7.45	199.4	7.3	20.070	1.09	183.	.68	269.
15- 17	.75	9.45	347.6	7.5	27.580	.96	362.	.74	489.
17- 19	.75	7.11	346.2	5.8	36.520	.86	403.	1.49	270.
19- 21	.75	.00	.0	.0	46.880	.76	0.	.64	0.
21- 23	.75	.00	.0	.0	58.670	.68	0.	.82	0.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	20.50	2306.1	.0	84.370	0.22	10482.	2.99	3506.
3- 5	.75	9.44	5073.9	36.0	403.100	13.27	382.	2.96	129.
5- 7	.75	26.10	10371.4	8.5	298.000	9.13	1136.	2.08	546.
7- 9	.75	11.70	2515.3	10.7	161.200	6.24	403.	.80	504.
9- 11	.75	41.30	7786.3	9.1	141.400	5.56	1400.	1.47	953.
11- 13	.75	21.80	4237.1	7.1	145.800	5.33	795.	.72	1104.
13- 15	.75	30.40	6581.1	7.2	162.400	5.28	1246.	.89	1400.
15- 17	.75	27.70	6965.0	9.3	188.600	5.35	1302.	.88	1479.
17- 19	.75	47.80	14303.1	7.5	224.400	5.51	2596.	1.90	1366.
19- 21	.75	10.00	3613.9	6.8	271.000	5.73	631.	.86	733.
21- 23	.75	14.80	6521.7	6.0	330.500	6.04	1080.	1.06	1019.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: E270 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 90 W RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	2070.00	490.1	5.4	.237	1.17	419.	1.00	419.
3- 5	1.00	962.00	1157.2	7.2	1.203	1.49	777.	1.41	551.
5- 7	1.00	370.00	1061.3	6.9	2.868	1.56	680.	1.52	448.
7- 9	1.00	117.00	619.6	7.6	5.296	1.60	387.	.90	430.
9- 11	1.00	47.50	406.3	9.1	8.554	1.61	252.	.46	549.
11- 13	1.00	120.00	1526.0	7.7	12.720	1.59	960.	1.25	768.
13- 15	1.00	59.00	1053.8	7.5	17.860	1.57	671.	1.10	610.
15- 17	1.00	31.60	760.4	7.1	24.060	1.55	491.	.86	570.
17- 19	1.00	32.00	1005.0	6.9	31.410	1.53	657.	.81	811.
19- 21	1.00	15.30	611.5	6.0	39.970	1.52	402.	.54	745.
21- 23	1.00	6.85	341.3	6.6	49.820	1.51	226.	.37	611.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	1530.00	481.6	5.3	.236	1.16	415.	1.00	415.
3- 5	.75	722.00	1154.5	7.1	1.199	1.46	791.	1.39	569.
5- 7	.75	221.00	853.4	6.8	2.896	1.46	585.	1.43	409.
7- 9	.75	45.80	334.4	8.5	5.475	1.42	236.	.81	291.
9- 11	.75	12.00	145.7	10.2	9.105	1.33	110.	.42	261.
11- 13	.75	31.50	585.2	7.9	13.930	1.21	484.	1.17	413.
13- 15	.75	12.00	321.1	7.9	20.070	1.09	295.	1.02	289.
15- 17	.75	5.65	207.8	6.6	27.580	.96	217.	.83	261.
17- 19	.75	6.72	327.2	6.9	36.520	.86	381.	.80	476.
19- 21	.75	1.79	111.9	6.8	46.880	.76	147.	.58	254.
21- 23	.75	1.80	140.8	6.5	58.670	.68	207.	.42	493.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	3.90	438.7	37.0	84.370	0.22	1994.	10.88	183.
3- 5	.75	.00	.0	.0	403.100	13.27	0.	2.61	0.
5- 7	.75	54.50	21656.7	7.9	298.000	9.13	2372.	2.82	841.
7- 9	.75	42.30	9093.6	8.6	161.200	6.24	1457.	1.47	991.
9- 11	.75	23.30	4392.8	9.0	141.400	5.56	790.	.60	1317.
11- 13	.75	57.30	11136.8	7.7	145.800	5.33	2090.	1.43	1461.
13- 15	.75	32.40	7014.1	7.4	162.400	5.28	1328.	1.21	1098.
15- 17	.75	18.20	4576.3	7.2	188.600	5.35	855.	.91	940.
17- 19	.75	17.40	5206.6	7.0	224.400	5.51	945.	.80	1181.
19- 21	.75	9.51	3436.8	5.8	271.000	5.73	600.	.52	1153.
21- 23	.75	3.45	1520.3	6.5	330.500	6.04	252.	.33	763.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: B300 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 60 W RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.00	2110.00	499.6	5.1	.237	1.17	427.	.96	445.
3- 5	1.00	763.00	917.8	6.8	1.203	1.49	616.	.73	844.
5- 7	1.00	432.00	1239.2	7.3	2.868	1.56	794.	1.31	606.
7- 9	1.00	272.00	1440.4	6.1	5.296	1.60	900.	1.36	662.
9- 11	1.00	154.00	1317.3	8.0	8.554	1.61	818.	1.13	724.
11- 13	1.00	71.80	913.1	8.9	12.720	1.59	574.	.75	766.
13- 15	1.00	38.60	689.4	7.1	17.860	1.57	439.	.58	757.
15- 17	1.00	45.50	1094.9	7.4	24.060	1.55	706.	1.07	660.
17- 19	1.00	42.50	1334.8	7.0	31.410	1.53	872.	1.06	823.
19 -21	1.00	21.00	839.3	7.2	39.970	1.52	552.	.85	650.
21 -23	1.00	13.50	672.6	6.8	49.820	1.51	446.	.59	755.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	1570.00	494.2	4.8	.236	1.16	426.	.95	449.
3- 5	.75	536.00	857.1	6.7	1.199	1.46	587.	.71	827.
5- 7	.75	282.00	1089.0	7.1	2.896	1.46	746.	1.27	587.
7- 9	.75	148.00	1080.5	5.9	5.475	1.42	761.	1.31	581.
9- 11	.75	57.30	695.6	8.5	9.105	1.33	523.	1.08	484.
11- 13	.75	18.00	334.4	8.9	13.930	1.21	276.	.74	373.
13 -15	.75	10.60	283.6	8.7	20.070	1.09	260.	.60	434.
15- 17	.75	16.00	588.5	7.9	27.580	.96	613.	1.17	524.
17 -19	.75	12.10	589.1	8.1	36.520	.86	685.	1.20	571.
19 -21	.75	5.45	340.7	7.0	46.880	.76	448.	1.03	435.
21 -23	.75	3.51	274.6	6.2	58.670	.68	404.	.77	524.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	22.00	2474.8	14.6	84.370	0.22	11249.	24.52	459.
3- 5	.75	32.90	17683.5	11.3	403.100	13.27	1333.	1.84	724.
5- 7	.75	40.50	16093.5	9.5	298.000	9.13	1763.	1.86	948.
7- 9	.75	53.60	11522.9	6.9	161.200	6.24	1847.	1.72	1074.
9- 11	.75	57.20	10783.9	7.7	141.400	5.56	1940.	1.32	1469.
11- 13	.75	35.70	6938.7	7.3	145.800	5.33	1302.	.79	1648.
13- 15	.75	18.40	3983.3	7.1	162.400	5.28	754.	.55	1372.
15- 17	.75	18.00	4526.0	7.4	188.600	5.35	846.	.95	891.
17- 19	.75	19.80	5924.7	6.7	224.400	5.51	1075.	.92	1169.
19- 21	.75	10.30	3722.3	7.3	271.000	5.73	650.	.72	902.
21- 23	.75	6.59	2903.9	7.2	330.500	6.04	481.	.49	981.

NAME: EL TORNEADO, BALZAPAMBA AREA
LINE: B330 A_SP: 50.m ST_LO: 0 ST_HI: 23 DELTA: 2
BRNG: N 30 W RS: 575.0m DEPTH: 290.0m
Rho_a=K1*V/I Rho_b=Rho_a/K2 Rho_tc=Rho_b/Ktc

*** R-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	1.50	3160.00	498.8	4.8	.237	1.17	426.	.77	554.
3- 5	1.50	1010.00	809.9	7.0	1.203	1.49	544.	.91	597.
5- 7	1.50	437.00	835.7	8.0	2.868	1.56	536.	.84	638.
7- 9	1.50	308.00	1087.3	6.1	5.296	1.60	680.	.94	723.
9- 11	1.50	286.00	1630.9	6.2	8.554	1.61	1013.	1.09	929.
11- 13	1.50	135.00	1144.5	7.0	12.720	1.59	720.	.90	800.
13- 15	1.50	81.60	971.7	7.4	17.860	1.57	619.	.86	720.
15- 17	1.50	79.90	1281.9	9.0	24.060	1.55	827.	.86	962.
17- 19	1.50	30.90	647.0	8.8	31.410	1.53	423.	.63	671.
19- 21	1.50	23.00	612.8	8.9	39.970	1.52	403.	.65	620.
21- 23	1.50	27.10	900.2	8.1	49.820	1.51	596.	.82	727.

*** D-S ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	1550.00	487.9	4.9	.236	1.16	421.	.76	553.
3- 5	.75	456.00	729.2	6.8	1.199	1.46	499.	.87	574.
5- 7	.75	169.00	652.6	7.9	2.896	1.46	447.	.80	559.
7- 9	.75	105.00	766.6	5.9	5.475	1.42	540.	.91	593.
9- 11	.75	88.70	1076.8	6.0	9.105	1.33	810.	1.07	757.
11- 13	.75	37.60	698.5	7.3	13.930	1.21	577.	.91	634.
13- 15	.75	20.10	537.9	7.8	20.070	1.09	493.	.92	536.
15- 17	.75	17.70	651.0	9.2	27.580	.96	678.	.98	692.
17- 19	.75	6.67	324.8	9.3	36.520	.86	378.	.76	497.
19- 21	.75	4.13	258.1	9.2	46.880	.76	340.	.85	400.
21- 23	.75	3.51	274.6	8.9	58.670	.68	404.	1.14	354.

*** D-R ELECTRODE CONFIGURTION ***

Rx	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	K1	K2	Rho_b (Ohm-m)	Ktc	Rho_tc (Ohm-m)
1- 3	.75	32.10	3610.9	11.8	84.370	0.22	16413.	28.20	582.
3- 5	.75	45.50	24456.0	10.3	403.100	13.27	1843.	2.99	616.
5- 7	.75	48.80	19391.6	8.1	298.000	9.13	2124.	1.42	1496.
7- 9	.75	49.80	10706.0	6.1	161.200	6.24	1716.	1.15	1492.
9- 11	.75	53.30	10048.7	6.4	141.400	5.56	1807.	1.13	1599.
11- 13	.75	29.20	5675.3	7.0	145.800	5.33	1065.	.86	1238.
13- 15	.75	20.70	4481.2	7.2	162.400	5.28	849.	.77	1102.
15- 17	.75	22.10	5556.9	8.8	188.600	5.35	1039.	.73	1423.
17- 19	.75	8.67	2594.3	8.5	224.400	5.51	471.	.51	923.
19- 21	.75	7.29	2634.5	8.8	271.000	5.73	460.	.51	902.
21- 23	.75	7.18	3163.9	7.9	330.500	6.04	524.	.62	845.

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 01 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc	
30- 32	26- 28	1	.75	698.00	1827.0	2.1	.96	1827.0
30- 32	24- 26	2	.75	220.00	2169.0	6.0	1.02	2169.0
30- 32	22- 24	3	.75	81.30	2085.0	7.1	.98	2085.0
30- 32	20- 22	4	.50	36.20	2934.0	6.4	.93	2934.0
30- 32	18- 20	5	.50	31.80	4195.9	5.3	.83	5055.0
28- 30	24- 26	1	.75	515.00	1470.0	4.6	.88	1470.0
28- 30	22- 24	2	.75	137.00	1565.0	6.1	.88	1565.0
28- 30	20- 22	3	.50	52.00	2361.0	4.8	.83	2361.0
28- 30	18- 20	4	.50	44.30	4513.0	2.3	.74	4513.0
28- 30	16- 18	5	1.00	18.70	1870.0	-2.5	.66	1870.0
26- 28	22- 24	1	.75	386.00	1155.0	5.7	.84	1155.0
26- 28	20- 22	2	.50	90.40	1662.0	5.7	.82	1662.0
26- 28	18- 20	3	.50	57.30	3000.0	5.1	.72	3000.0
26- 28	16- 18	4	1.00	19.50	1131.0	1.9	.65	1131.0
26- 28	14- 16	5	1.00	45.70	3769.0	6.4	.80	3769.0
24- 26	20- 22	1	.50	199.00	974.3	4.0	.77	974.3
24- 26	18- 20	2	.50	106.00	2190.0	4.0	.73	2190.0
24- 26	16- 18	3	1.00	39.80	1137.0	2.6	.66	1137.0
24- 26	14- 16	4	1.00	87.50	4023.0	6.8	.82	4023.0
24- 26	12- 14	5	1.00	13.20	1613.0	7.7	.54	1613.0
22- 24	18- 20	1	.50	101.00	536.3	4.1	.71	536.3
22- 24	16- 18	2	1.00	37.40	414.7	3.6	.68	414.7
22- 24	14- 16	3	1.00	76.80	1723.0	7.2	.84	1723.0
22- 24	12- 14	4	1.00	11.40	767.5	8.3	.56	767.5
22- 24	10- 12	5	1.00	2.91	548.6	8.5	.35	548.6
20- 22	16- 18	1	1.00	261.00	615.0	4.4	.80	615.0
20- 22	14- 16	2	1.00	332.00	2454.0	8.1	1.02	2454.0
20- 22	12- 14	3	1.00	38.30	1094.0	9.0	.66	1094.0
20- 22	10- 12	4	1.00	8.77	787.1	8.7	.42	787.1
20- 22	8- 10	5	1.00	5.87	774.6	9.4	.50	774.6
18- 20	14- 16	1	1.00	1210.00	2258.0	5.4	1.01	2258.0
18- 20	12- 14	2	1.00	103.00	1159.0	7.0	.67	1159.0
18- 20	10- 12	3	1.00	19.90	833.6	5.9	.45	833.6
18- 20	8- 10	4	1.00	12.10	829.5	7.7	.55	829.5
18- 20	6- 8	5	1.50	9.68	734.0	6.0	.58	734.0
16- 18	8- 10	3	1.00	11.30	361.0	6.0	.59	361.0
16- 18	6- 8	4	1.50	8.67	335.2	5.0	.65	335.2
16- 18	4- 6	5	1.50	1.80	121.8	13.5	.65	121.8
16- 18	12- 14	1	1.00	162.00	526.6	5.7	.58	526.6
16- 18	10- 12	2	1.00	20.80	156.8	4.6	.45	348.4
14- 16	10- 12	1	1.00	257.00	621.0	9.9	.78	621.0
14- 16	8- 10	2	1.00	106.00	733.2	11.3	1.09	733.2
14- 16	6- 8	3	1.50	70.10	728.0	9.4	1.21	728.0
14- 16	4- 6	4	1.50	12.30	259.7	22.0	1.19	259.7
14- 16	2- 4	5	1.50	55.40	2436.6	8.6	1.80	1354.0
12- 14	8- 10	1	1.00	423.00	731.5	10.3	1.09	731.5
12- 14	6- 8	2	1.50	165.00	679.8	9.1	1.22	679.8
12- 14	4- 6	3	1.50	46.90	512.5	11.2	1.15	512.5
12- 14	2- 4	4	1.50	109.00	1640.0	6.9	1.67	1640.0
12- 14	0- 2	5	1.50	210.00	4462.0	6.4	2.07	4462.0
10- 12	4- 6	2	1.50	61.60	340.2	9.4	.91	340.2
10- 12	2- 4	3	1.50	104.00	1021.0	6.6	1.28	1021.0
10- 12	0- 2	4	1.50	168.00	2892.0	6.4	1.46	2892.0
10- 12	6- 8	1	1.50	356.00	461.2	9.8	.97	461.2
8- 10	4- 6	1	1.50	117.00	154.7	12.5	.95	154.7
8- 10	2- 4	2	1.50	191.00	700.8	7.5	1.37	700.8
8- 10	0- 2	3	1.50	208.00	1778.0	7.9	1.47	1778.0
6- 8	2- 4	1	1.50	384.00	473.0	7.5	1.02	473.0
6- 8	0- 2	2	1.50	255.00	1378.0	8.8	.93	1378.0
4- 6	0- 2	1	1.50	862.00	1231.0	4.4	.88	1231.0

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 02 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc	
30- 32	26- 28	1	1.00	623.00	1290.0	2.7	.91	1290.0
30- 32	24- 26	2	1.00	334.00	2569.0	3.8	.98	2569.0
30- 32	22- 24	3	.75	94.00	2460.0	3.2	.96	2460.0
30- 32	20- 22	4	.50	42.30	3157.0	4.1	1.01	3157.0
30- 32	18- 20	5	.50	22.90	3321.0	3.6	.91	3321.0
28- 30	24- 26	1	1.00	577.00	1251.0	3.0	.87	1251.0
28- 30	22- 24	2	.75	122.00	1377.0	2.5	.89	1377.0
28- 30	20- 22	3	.50	47.80	1959.0	3.3	.92	1959.0
28- 30	18- 20	4	.50	24.10	2216.0	2.6	.82	2216.0
28- 30	16- 18	5	1.00	17.30	1678.0	2.8	.68	1678.0
26- 28	22- 24	1	.75	255.00	745.2	3.0	.86	745.2
26- 28	20- 22	2	.50	63.80	1057.0	3.6	.91	1057.0
26- 28	18- 20	3	.50	28.60	1365.0	3.1	.79	1365.0
26- 28	16- 18	4	1.00	19.20	1097.0	3.1	.66	1097.0
26- 28	14- 16	5	1.00	22.80	2032.0	4.1	.74	2032.0
24- 26	20- 22	1	.50	241.00	1021.0	2.3	.89	1021.0
24- 26	18- 20	2	.50	82.60	1538.0	2.3	.81	1538.0
24- 26	16- 18	3	1.00	45.90	1272.0	2.5	.68	1272.0
24- 26	14- 16	4	1.00	56.90	2786.0	3.9	.77	2786.0
24- 26	12- 14	5	.75	47.20	3954.0	5.1	1.05	3954.0
22- 24	18- 20	1	.50	387.00	1999.0	2.4	.73	1999.0
22- 24	16- 18	2	1.00	112.00	1224.0	2.2	.69	1224.0
22- 24	14- 16	3	1.00	86.90	2073.0	3.0	.79	2073.0
22- 24	12- 14	4	.75	68.30	3239.0	4.5	1.06	3239.0
22- 23	10- 12	5	1.00	36.80	2335.0	5.7	1.04	2335.0
20- 22	16- 18	1	1.00	643.00	1496.0	2.0	.81	1496.0
20- 22	14- 16	2	1.00	270.00	2036.0	3.2	1.00	2036.0
20- 22	12- 14	3	.75	187.00	3672.0	4.4	1.28	3672.0
20- 22	10- 12	4	1.00	90.80	2901.0	5.4	1.18	2901.0
20- 22	8- 10	5	1.50	40.10	2290.0	6.9	.77	2290.0
18- 20	14- 16	1	1.00	761.00	1406.0	3.0	1.02	1406.0
18- 20	12- 14	2	.75	359.00	2798.0	4.9	1.29	2798.0
18- 20	10- 12	3	1.00	139.00	2319.0	6.5	1.13	2319.0
18- 20	8- 10	4	1.50	51.30	1742.0	7.9	.74	1742.0
18- 20	6- 8	5	1.50	21.40	1651.0	8.6	.57	1651.0
16- 18	12- 14	1	.75	834.00	2254.0	3.7	.93	2254.0
16- 18	10- 12	2	1.00	229.00	2081.0	6.0	.83	2081.0
16- 18	8- 10	3	1.50	66.10	1510.0	8.3	.55	1510.0
16- 18	6- 8	4	1.50	26.20	1497.0	8.9	.44	1497.0
16- 18	4- 6	5	1.50	9.54	1234.0	8.7	.34	1234.0
14- 16	10- 12	1	1.00	1010.00	2759.0	5.8	.69	2759.0
14- 16	8- 10	2	1.50	200.00	1933.0	9.1	.52	1933.0
14- 16	6- 8	3	1.50	72.10	2059.0	9.7	.44	2059.0
14- 16	4- 6	4	1.50	26.30	1836.0	9.5	.36	1836.0
14- 16	2- 4	5	1.50	26.70	1631.0	7.3	.72	1631.0
12- 14	8- 10	1	1.50	781.00	1382.0	8.1	.71	1382.0
12- 14	6- 8	2	1.50	211.00	1514.0	9.5	.70	1514.0
12- 14	4- 6	3	1.50	68.30	1455.0	9.6	.59	1455.0
12- 14	2- 4	4	1.50	62.10	1334.0	7.5	1.17	1334.0
12- 14	0- 2	5	1.50	41.50	1093.0	7.1	1.67	1093.0
10- 12	6- 8	1	1.50	966.00	1278.0	8.4	.95	1278.0
10- 12	4- 6	2	1.50	239.00	1380.0	8.7	.87	1380.0
10- 12	2- 4	3	1.50	169.00	1249.0	6.7	1.70	1249.0
10- 12	0- 2	4	1.50	100.00	1122.0	6.7	2.24	1122.0
8- 10	4- 6	1	1.50	768.00	1135.0	7.0	.85	1135.0
8- 10	2- 4	2	1.50	352.00	1066.0	5.9	1.66	1066.0
8- 10	0- 2	3	1.50	176.00	1189.0	5.2	1.86	1189.0
6- 8	2- 4	1	1.50	823.00	623.0	3.3	1.66	623.0
6- 8	0- 2	2	1.50	297.00	1066.0	4.0	1.40	1066.0
4- 6	0- 2	1	1.50	381.00	665.3	2.9	.72	665.3

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 03 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc	
30- 32	26- 28	1	1.00	681.00	1366.0	2.3	.94	1366.0
30- 32	24- 26	2	1.00	325.00	2188.0	3.5	1.12	2188.0
30- 32	22- 24	3	1.00	120.00	1901.0	3.2	1.19	1901.0
30- 32	20- 22	4	1.00	60.30	2124.0	3.2	1.07	2124.0
30- 32	18- 20	5	1.00	31.20	2510.0	3.0	.82	2510.0
28- 30	24- 26	1	1.00	867.00	1618.0	2.1	1.01	1618.0
28- 30	22- 24	2	1.00	212.00	1480.0	2.1	1.08	1480.0
28- 30	20- 22	3	1.00	91.60	1837.0	2.0	.94	1837.0
28- 30	18- 20	4	1.00	43.60	2283.0	1.7	.72	2283.0
28- 30	16- 18	5	.50	16.00	3104.0	2.4	.68	3104.0
26- 28	22- 24	1	1.00	429.00	998.3	1.7	.81	998.3
26- 28	20- 22	2	1.00	142.00	1409.0	1.7	.76	1409.0
26- 28	18- 20	3	1.00	55.70	1750.0	1.4	.60	1750.0
26- 28	16- 18	4	.50	19.10	2526.0	1.5	.57	2526.0
26- 28	14- 16	5	1.00	55.10	3462.0	1.4	1.05	3462.0
24- 26	20- 22	1	1.00	552.00	1370.0	1.6	.76	1370.0
24- 26	18- 20	2	1.00	143.00	1585.0	1.6	.68	1585.0
24- 26	16- 18	3	.50	41.40	2330.0	1.7	.67	2330.0
24- 26	14- 16	4	.50	43.30	2721.0	3.1	1.20	2721.0
24- 26	12- 14	5	1.00	58.50	3606.0	4.3	1.07	3606.0
22- 24	18- 20	1	1.00	508.00	1244.0	1.8	.77	1244.0
22- 24	16- 18	2	.50	102.00	1788.0	1.5	.86	1788.0
22- 24	14- 16	3	.50	88.80	2232.0	2.6	1.50	2232.0
22- 24	12- 14	4	1.00	103.00	3082.0	3.9	1.26	3082.0
22- 24	10- 12	5	1.00	26.70	2842.0	5.7	.62	2842.0
20- 22	16- 18	1	.50	242.00	960.0	1.2	.95	960.0
20- 22	14- 16	2	.50	163.00	1490.0	2.8	1.65	1490.0
20- 22	12- 14	3	1.00	144.00	2225.0	3.6	1.22	2225.0
20- 22	10- 12	4	1.00	38.60	2509.0	5.3	.58	2509.0
20- 22	8- 10	5	1.00	33.20	2106.0	5.0	1.04	2106.0
18- 20	14- 16	1	.50	283.00	808.3	3.1	1.32	808.3
18- 20	12- 14	2	1.00	158.00	1489.0	3.8	.80	1489.0
18- 20	10- 12	3	1.00	43.80	2117.0	5.3	.39	2117.0
18- 20	8- 10	4	1.00	34.50	1807.0	5.0	.72	1807.0
18- 20	6- 8	5	.75	30.70	2647.0	4.6	1.02	2647.0
16- 18	12- 14	1	1.00	534.00	1797.0	4.6	.56	1797.0
16- 18	10- 12	2	1.00	98.50	2196.0	5.8	.33	2196.0
16- 18	8- 10	3	1.00	73.20	2226.0	5.8	.62	2226.0
16- 18	6- 8	4	.75	59.60	3444.0	5.7	.87	3444.0
16- 18	4- 6	5	.75	13.40	2312.0	4.6	.51	2312.0
14- 16	10- 12	1	1.00	435.00	1464.0	6.0	.56	1464.0
14- 16	8- 10	2	.50	132.00	1631.0	5.5	1.22	1631.0
14- 16	6- 8	3	.20	53.40	3126.0	6.4	1.61	3126.0
14- 16	4- 6	4	.75	40.20	2173.0	4.9	.93	2173.0
14- 16	2- 4	5	1.00	12.00	1466.0	5.8	.54	1466.0
12- 14	8- 10	1	.50	855.00	1733.0	5.4	1.86	1733.0
12- 14	6- 8	2	.50	419.00	3491.0	6.5	1.81	3491.0
12- 14	4- 6	3	.75	97.00	2540.0	5.9	.96	2540.0
12- 14	2- 4	4	1.00	28.60	1891.0	6.9	.57	1891.0
12- 14	0- 2	5	1.50	35.40	1153.0	6.0	1.35	1153.0
10- 12	6- 8	1	.50	466.00	2510.0	7.8	.70	2510.0
10- 12	4- 6	2	.75	63.70	1601.0	8.5	.40	1601.0
10- 12	2- 4	3	1.00	13.70	1033.0	10.0	.25	1033.0
10- 12	0- 2	4	1.50	16.40	675.7	8.8	.61	675.7
8- 10	4- 6	1	.75	223.00	1168.0	6.0	.48	1168.0
8- 10	2- 4	2	1.00	40.80	809.5	6.9	.38	809.5
8- 10	0- 2	3	1.50	43.00	557.1	6.3	.97	557.1
6- 8	2- 4	1	1.00	521.00	1212.0	4.4	.81	1212.0
6- 8	0- 2	2	1.50	392.00	966.0	4.1	2.04	966.0
4- 6	0- 2	1	1.50	742.00	439.8	1.7	2.12	439.8

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 04 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc	
30- 32	26- 28	1	1.00	999.00	2242.0	2.2	.84	2242.0
30- 32	24- 26	2	.75	646.00	5958.0	2.0	1.09	5958.0
30- 32	22- 24	3	1.00	247.00	3725.0	2.3	1.25	3725.0
30- 32	20- 22	4	1.00	88.60	3711.0	1.7	.90	3711.0
30- 32	18- 20	5	1.00	65.30	3989.0	1.7	1.08	3989.0
28- 30	24- 26	1	.75	1130.00	2630.0	1.9	1.08	2630.0
28- 30	22- 24	2	1.00	363.00	2207.0	2.1	1.24	2207.0
28- 30	20- 22	3	1.00	122.00	2674.0	1.9	.86	2674.0
28- 30	18- 20	4	1.00	85.00	3111.0	1.4	1.03	3111.0
28- 30	16- 18	5	1.00	43.70	3134.0	2.0	.92	3134.0
26- 28	22- 24	1	1.00	462.00	978.4	1.8	.89	978.4
26- 28	20- 22	2	1.00	123.00	1427.0	1.7	.65	1427.0
26- 28	18- 20	3	1.00	79.30	1892.0	1.3	.79	1892.0
26- 28	16- 18	4	1.00	39.00	2070.0	1.7	.71	2070.0
26- 28	14- 16	5	1.00	47.70	4141.0	2.8	.76	4141.0
24- 26	20- 22	1	1.00	311.00	888.2	1.4	.66	888.2
24- 26	18- 20	2	1.00	172.00	1425.0	1.5	.91	1425.0
24- 26	16- 18	3	1.00	78.70	1788.0	1.9	.83	1788.0
24- 26	14- 16	4	1.00	95.50	4091.0	2.8	.88	4091.0
24- 26	12- 14	5	1.50	75.50	3533.0	3.0	.94	3533.0
22- 24	18- 20	1	1.00	470.00	738.3	1.2	1.20	738.3
22- 24	16- 18	2	1.00	142.00	982.6	1.4	1.09	982.6
22- 24	14- 16	3	1.00	144.00	2381.0	2.3	1.14	2381.0
22- 24	12- 14	4	1.50	101.00	2115.0	2.8	1.20	2115.0
22- 24	10- 12	5	1.50	66.10	2153.0	3.1	1.35	2153.0
20- 22	16- 18	1	1.00	286.00	748.8	1.0	.72	748.8
20- 22	14- 16	2	1.00	186.00	1710.0	1.8	.82	1710.0
20- 22	12- 14	3	1.50	112.00	1636.0	2.3	.86	1636.0
20- 22	10- 12	4	1.50	67.80	1813.0	2.8	.94	1813.0
20- 22	8- 10	5	1.50	41.90	2143.0	5.0	.86	2143.0
18- 20	14- 16	1	1.00	501.00	953.9	1.3	.99	953.9
18- 20	12- 14	2	1.50	225.00	1047.0	2.1	1.08	1047.0
18- 20	10- 12	3	1.50	121.00	1345.0	2.5	1.13	1345.0
18- 20	8- 10	4	1.50	68.60	1724.0	4.6	1.00	1724.0
18- 20	6- 18	5	1.50	45.40	2194.0	5.7	.91	2194.0
16- 18	12- 14	1	1.50	494.00	739.0	2.1	.84	739.0
16- 18	10- 12	2	1.50	188.00	1027.0	2.5	.92	1027.0
16- 18	8- 10	3	1.50	92.80	1356.0	4.9	.86	1356.0
16- 18	6- 8	4	1.50	55.90	1925.0	6.0	.73	1925.0
16- 18	4- 6	5	1.50	30.80	1673.0	5.5	.81	1673.0
14- 16	10- 12	1	1.50	938.00	1268.0	2.0	.93	1268.0
14- 16	8- 10	2	1.50	371.00	2247.0	4.3	.83	2247.0
14- 16	6- 8	3	1.50	202.00	3384.0	5.7	.75	3384.0
14- 16	4- 6	4	1.50	103.00	3157.0	5.6	.82	3157.0
14- 16	2- 4	5	1.00	32.90	2553.0	5.1	.85	2553.0
12- 14	8- 10	1	1.50	1140.00	1886.0	2.5	.76	1886.0
12- 14	6- 8	2	1.50	452.00	2989.0	4.3	.76	2989.0
12- 14	4- 6	3	1.50	196.00	2932.0	4.6	.84	2932.0
12- 14	2- 4	4	1.00	58.10	2546.0	4.1	.86	2546.0
12- 14	0- 2	5	1.00	13.10	1054.0	4.6	.82	1054.0
10- 12	6- 8	1	1.50	1190.00	1738.0	4.1	.86	1738.0
10- 12	4- 6	2	1.50	40.00	1991.0	4.5	1.01	1991.0
10- 12	2- 4	3	1.00	107.00	1977.0	4.5	1.02	1977.0
10- 12	0- 2	4	1.00	21.60	848.2	4.5	.96	848.2
8- 10	4- 6	1	1.50	1420.00	1858.0	4.9	.96	1858.0
8- 10	0- 2	3	1.00	47.20	889.7	5.3	1.00	889.7
8- 10	2- 4	2	1.00	294.00	2410.0	5.0	.92	2410.0
6- 8	2- 4	1	1.00	794.00	1721.0	2.6	.87	1721.0
6- 8	0- 2	2	1.00	104.00	956.2	3.5	.82	956.2
4- 6	0- 2	1	1.00	207.00	390.2	1.6	.89	438.4

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 05 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc=Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_tc (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	.25	71.40	1077.0	1.4	.50
30- 32	24- 26	2	.25	27.40	1198.0	1.6	.69
30- 32	22- 24	3	.75	30.50	2072.0	1.8	.37
30- 32	20- 22	4	1.00	79.90	4303.0	2.1	.70
30- 32	18- 20	5	1.00	17.70	1390.0	2.9	.84
28- 30	24- 26	1	.25	119.00	879.6	2.4	1.02
28- 30	22- 24	2	.75	96.70	1648.0	2.1	.59
28- 30	20- 22	3	1.00	220.00	3736.0	2.4	1.11
28- 30	18- 20	4	.50	20.80	1215.0	3.1	1.29
28- 30	16- 18	5	.50	11.80	1639.0	3.2	.95
26- 28	22- 24	1	.75	290.00	1487.0	1.9	.49
26- 28	20- 22	2	1.00	464.00	3300.0	2.2	1.06
26- 28	18- 20	3	.50	38.10	1227.0	2.9	1.17
26- 28	16- 18	4	.50	17.00	1545.0	3.3	.83
26- 28	14- 16	5	1.00	14.40	1092.0	4.7	.87
24- 26	20- 22	1	1.00	1480.00	1585.0	1.7	1.76
24- 26	18- 20	2	.50	68.30	660.3	2.4	1.56
24- 26	16- 18	3	.50	22.10	825.0	3.1	1.01
24- 26	14- 16	4	1.00	16.50	586.8	3.8	1.06
24- 26	12- 14	5	1.50	27.00	1006.4	5.7	1.18
22- 24	18- 20	1	.50	88.00	572.1	1.7	.58
22- 24	16- 18	2	.50	20.50	772.8	2.6	.40
22- 24	14- 16	3	1.00	14.30	626.7	3.6	.43
22- 24	12- 14	4	1.50	20.60	1056.0	5.4	.49
22- 24	10- 12	5	1.50	7.82	781.6	5.5	.44
20- 22	16- 18	1	.50	391.00	2340.0	2.5	.63
20- 22	14- 16	2	1.00	198.00	1843.0	3.7	.81
20- 22	12- 14	3	1.50	180.00	2459.0	4.8	.92
20- 22	10- 12	4	1.50	48.30	1577.0	5.1	.77
20- 22	8- 10	5	1.50	33.30	2063.0	5.5	.71
18- 20	14- 16	1	1.00	414.00	729.3	2.8	1.07
18- 20	12- 14	2	1.50	229.00	943.4	3.6	1.22
18- 20	10- 12	3	1.50	39.70	475.1	4.1	1.05
18- 20	10- 12	3	1.50	39.70	498.9	4.1	1.05
18- 20	8- 10	4	1.50	22.80	590.7	4.5	.97
18- 20	6- 8	5	1.50	12.60	780.6	4.0	.71
16- 18	12- 14	1	1.50	1520.00	1990.0	3.5	.96
16- 18	10- 12	2	1.50	178.00	1040.0	4.0	.86
16- 18	8- 10	3	1.50	79.80	1254.0	4.2	.80
16- 18	6- 8	4	1.00	24.20	1546.0	3.9	.59
16- 18	4- 6	5	1.50	39.10	1911.0	4.1	.90
14- 16	10- 12	1	1.50	590.00	962.9	4.1	.77
14- 16	8- 10	2	1.50	174.00	1067.0	4.8	.82
14- 16	6- 8	3	1.00	44.60	1334.0	4.2	.63
14- 16	4- 6	4	1.50	62.80	1627.0	4.6	.97
14- 16	2- 4	5	1.50	21.90	713.5	3.7	1.35
12- 14	8- 10	1	1.50	581.00	768.5	4.8	.95
12- 14	6- 8	2	1.00	122.00	1136.0	4.6	.81
12- 14	4- 6	3	1.50	157.00	1578.0	5.0	1.25
12- 14	2- 4	4	1.50	50.70	758.0	3.8	1.68
12- 14	0- 2	5	2.00	45.10	1110.0	4.3	1.34
10- 12	6- 8	1	1.00	328.00	782.7	4.4	.79
10- 12	4- 6	2	1.50	279.00	1087.0	5.0	1.29
10- 12	2- 4	3	1.50	75.60	583.0	4.2	1.63
10- 12	0- 2	4	2.00	59.40	910.3	4.7	1.23
8- 10	4- 6	1	1.50	1500.00	1396.0	3.8	1.35
8- 10	2- 4	2	1.50	288.00	952.4	3.6	1.52
8- 10	0- 2	3	2.00	172.00	1529.0	4.2	1.06
6- 8	2- 4	1	1.50	515.00	819.2	3.1	.79
6- 8	0- 2	2	2.00	248.00	1585.0	3.5	.59
4- 6	0- 2	1	2.00	866.00	1200.0	2.9	.68

NAME: OSOHUAYCO, BALZAPAMBA AREA
LINE: 06 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: S 45 E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_tc (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	.75	267.00	789.4	-.3	.85
30- 32	24- 26	2	1.00	82.30	827.3	-.7	.75
30- 32	22- 24	3	1.00	78.70	1206.0	.0	1.23
30- 32	20- 22	4	1.00	36.90	1199.0	1.9	1.16
30- 32	18- 20	5	1.00	7.70	564.4	1.5	.90
28- 30	24- 26	1	1.00	415.00	965.8	.7	.81
28- 30	22- 24	2	1.00	271.00	1459.0	1.2	1.40
28- 30	20- 22	3	1.00	97.60	1508.0	2.1	1.22
28- 30	18- 20	4	1.00	20.20	818.8	2.9	.93
28- 30	16- 18	5	1.00	6.22	554.6	4.6	.74
26- 28	22- 24	1	1.00	554.00	773.3	1.4	1.35
26- 28	20- 22	2	1.00	146.00	1048.0	1.9	1.05
26- 28	18- 20	3	1.00	26.70	645.3	1.8	.78
26- 28	16- 18	4	1.00	7.89	472.1	3.8	.63
26- 28	14- 16	5	1.00	9.59	620.3	3.5	1.02
24- 26	20- 22	1	1.00	298.00	936.2	2.7	.60
24- 26	18- 20	2	1.00	42.60	629.8	2.6	.51
24- 26	16- 18	3	1.00	11.20	490.9	4.6	.43
24- 26	14- 16	4	1.00	14.00	743.4	4.9	.71
24- 26	12- 14	5	1.00	4.77	533.4	3.6	.59
22- 24	18- 20	1	1.00	137.00	335.3	3.2	.77
22- 24	16- 18	2	1.00	33.00	327.4	5.0	.76
22- 24	14- 16	3	1.00	34.30	525.6	5.0	1.23
22- 24	12- 14	4	1.00	11.40	417.3	4.0	1.03
22- 24	10- 12	5	1.00	4.77	533.4	3.8	.59
20- 22	16- 18	1	1.00	160.00	338.9	4.4	.89
20- 22	14- 16	2	1.00	100.00	499.3	4.2	1.51
20- 22	12- 14	3	1.00	27.30	428.8	3.7	1.20
20- 22	10- 12	4	1.00	10.20	565.4	3.5	.68
20- 22	8- 10	5	1.00	10.60	592.6	4.2	1.18
18- 20	14- 16	1	1.00	374.00	510.9	4.4	1.38
18- 20	12- 14	2	1.00	71.60	529.3	3.7	1.02
18- 20	10- 12	3	1.00	21.30	680.5	3.3	.59
18- 20	8- 10	4	1.00	18.70	684.5	4.0	1.03
18- 20	6- 8	5	1.50	16.40	550.6	4.0	1.31
16- 18	12- 14	1	1.00	203.00	627.2	4.9	.61
16- 18	10- 12	2	1.00	42.40	761.2	5.4	.42
16- 18	8- 10	3	1.00	35.20	861.7	5.4	.77
16- 18	6- 8	4	1.50	28.10	720.6	5.4	.98
16- 18	4- 6	5	1.00	11.80	707.7	6.8	1.10
14- 16	10- 12	1	1.00	336.00	917.8	3.3	.69
14- 16	8- 10	2	1.00	225.00	1203.0	4.0	1.41
14- 16	6- 8	3	1.50	133.00	983.1	4.0	1.70
14- 16	4- 6	4	1.00	49.10	1028.0	5.5	1.80
14- 16	2- 4	5	1.00	17.90	862.0	4.9	1.37
12- 14	8- 10	1	1.00	530.00	312.9	2.4	1.63
12- 14	6- 8	2	1.50	197.00	626.7	2.7	1.58
12- 14	4- 6	3	1.00	62.30	788.1	4.2	1.49
12- 14	2- 4	4	1.00	20.70	716.0	3.9	1.09
12- 14	0- 2	5	1.00	17.70	1091.0	3.5	1.07
10- 12	6- 8	1	1.50	355.00	619.6	2.5	.72
10- 12	4- 6	2	1.00	91.80	988.9	4.0	.70
10- 12	2- 4	3	1.00	27.50	1016.0	3.8	.51
10- 12	0- 2	4	1.00	22.80	1719.0	3.6	.50
8- 10	4- 6	1	1.00	356.00	798.8	4.1	.84
8- 10	2- 4	2	1.00	78.40	869.3	3.7	.68
8- 10	0- 2	3	1.00	59.00	1589.0	3.5	.70
6- 8	2- 4	1	1.00	425.00	1144.0	5.8	.70
6- 8	0- 2	2	1.00	192.00	1744.0	4.8	.83
4- 6	0- 2	1	1.00	505.00	924.2	4.3	1.03

NAME: CHASO JUAN AREA
LINE: C1 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: N 120E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	1.00	434.00	1258.0	3.8	.65
30- 32	24- 26	2	1.00	228.00	2149.0	3.7	.80
30- 32	22- 24	3	1.00	61.10	1858.0	3.0	.62
30- 32	20- 22	4	1.00	84.20	4809.0	3.1	.66
30- 32	18- 20	5	1.00	62.10	6944.0	3.5	.59
28- 30	24- 26	1	1.00	100 .00	1698.0	3.4	1.11
28- 30	22- 24	2	1.00	190.00	1558.0	3.0	.92
28- 30	20- 22	3	1.00	203.00	3865.0	3.2	.99
28- 30	18- 20	4	1.00	136.00	5697.0	3.4	.90
28- 30	16- 18	5	1.00	129.00	6809.0	3.2	1.25
26- 28	22- 24	1	1.00	374.00	1052.0	2.5	.67
26- 28	20- 22	2	1.00	193.00	1753.0	2.5	.83
26- 28	18- 20	3	1.00	85.20	2059.0	2.7	.78
26- 28	16- 18	4	1.00	77.30	2698.0	2.5	1.08
26- 28	14- 16	5	1.00	52.70	2634.0	2.5	1.32
24- 26	20- 22	1	1.00	1400.00	2443.0	2.7	1.08
24- 26	18- 20	2	1.00	448.00	3156.0	2.7	1.07
24- 26	16- 18	3	1.00	339.00	4437.0	2.7	1.44
24- 26	14- 16	4	1.00	187.00	4222.0	2.7	1.67
24- 26	12- 14	5	1.00	76.10	3804.0	2.6	1.32
22- 24	18- 20	1	1.00	585.00	1362.0	2.8	.81
22- 24	16- 18	2	1.00	308.00	2002.0	2.5	1.16
22- 24	14- 16	3	1.00	162.00	2386.0	2.0	1.28
22= 24	12- 14	4	1.00	61.50	2365.0	2.2	.98
22- 24	10- 12	5	1.00	37.60	2235.0	2.7	1.11
20- 22	16- 18	1	1.00	1300.00	2149.0	2.7	1.14
20- 22	14- 16	2	1.00	571.00	3500.0	2.7	1.23
20- 22	12- 14	3	1.00	199.00	4122.0	2.6	.91
20- 22	10- 12	4	1.00	116.00	4373.0	2.7	1.00
20- 22	8- 10	5	1.00	66.90	4550.0	2.7	.97
18- 20	14- 16	1	1.00	944.00	2404.0	2.8	.74
18- 20	12- 14	2	1.00	278.00	3381.0	2.6	.62
18- 20	10- 12	3	1.00	155.00	4174.0	2.8	.70
18- 20	8- 10	4	1.00	88.00	4807.0	2.6	.69
18- 20	6- 8	5	1.00	67.00	7129.0	2.7	.62
16- 18	12- 14	1	1.00	646.00	1740.0	2.6	.70
16- 18	10- 12	2	1.00	297.00	2488.0	3.0	.90
16- 18	8- 10	3	1.00	145.00	3106.0	2.9	.88
16- 18	6- 8	4	1.00	105.00	4947.0	3.0	.80
16- 18	4- 6	5	1.00	71.60	5624.0	2.8	.84
14- 16	10- 12	1	1.00	796.00	1351.0	2.5	1.11
14- 16	8- 10	2	1.00	248.00	1685.0	2.5	1.11
14- 16	6- 8	3	1.00	157.00	2989.0	2.3	.99
14- 16	4- 6	4	1.00	99.10	3627.0	2.0	1.03
14- 16	2- 4	5	1.00	46.80	2662.0	2.3	1.16
12- 14	8- 10	1	1.00	392.00	960.0	2.4	.77
12- 14	6- 8	2	1.00	175.00	1759.0	2.2	.75
12- 14	4- 6	3	1.00	102.00	2404.0	2.2	.80
12- 14	2- 4	4	1.00	42.80	1812.0	2.0	.89
12- 14	0- 2	5	1.00	27.20	2136.0	1.8	.84
10- 12	6- 8	1	1.00	360.00	780.0	2.5	.87
10- 12	4- 6	2	1.00	156.00	1212.0	2.5	.97
10- 12	2- 4	3	1.00	54.00	960.4	2.5	1.06
10- 12	0- 2	4	1.00	30.30	1165.0	2.2	.98
8- 10	4- 6	1	1.00	735.00	1372.0	2.2	1.01
8- 10	2- 4	2	1.00	157.00	1057.0	2.4	1.12
8- 10	0- 2	3	1.00	65.10	1215.0	1.8	1.01
6- 8	2- 4	1	1.00	477.00	977.0	2.3	.92
6- 8	0- 2	2	1.00	156.00	1352.0	1.9	.87
4- 6	0- 2	1	1.00	327.00	751.2	2.0	.82

NAME: CHASO JUAN AREA
LINE: C2 A_SP: 100.m ST_LO: 0 ST_Hl: 32 DELTA: 2
BRNG: N 120E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	.75	567.00	1952.0	4.4	.73
30- 32	24- 26	2	.75	239.00	2333.0	4.0	1.03
30- 32	22- 24	3	1.00	56.90	1218.0	3.8	.88
30- 32	20- 22	4	1.00	43.90	3123.0	4.2	.53
30- 32	18- 20	5	1.00	57.80	4014.0	3.8	.95
28- 30	24- 26	1	.75	2140.00	4372.0	3.4	1.23
28- 30	22- 24	2	1.00	265.00	1921.0	3.1	1.04
28- 30	20- 22	3	1.00	117.00	3556.0	3.3	.62
28- 30	18- 20	4	1.00	147.00	4904.0	3.2	1.13
28- 30	16- 18	5	.25	27.70	4686.0	3.4	1.56
26- 28	22- 24	1	1.00	1080.00	3181.0	3.0	.64
26- 28	20- 22	2	1.00	211.00	3616.0	3.2	.44
26- 28	18- 20	3	1.00	230.00	5161.0	2.9	.84
26- 28	16- 18	4	.30	48.10	5302.0	3.2	1.14
26- 28	14- 16	5	.30	12.50	4043.0	3.5	.68
24- 26	20- 22	1	1.00	700.00	2061.0	3.0	.64
24- 26	18- 20	2	1.00	582.00	3157.0	2.8	1.39
24- 26	16- 18	3	.30	96.00	3507.0	3.2	1.72
24- 26	14- 16	4	.30	22.00	2821.0	3.0	.98
24- 26	12- 14	5	1.00	45.50	2943.0	2.7	1.02
22- 24	18- 20	1	1.00	1700.00	2241.0	3.5	1.43
22- 24	16- 18	2	.30	148.00	2480.0	3.8	1.50
22- 24	14- 16	3	.30	24.60	1909.0	3.0	.81
22- 24	12- 14	4	1.00	52.70	2365.0	2.8	.84
22- 24	10- 12	5	1.00	29.00	1894.0	2.8	1.01
20- 22	16- 18	1	.30	270.00	2146.0	3.8	.79
20- 22	14- 16	2	.30	34.50	1927.0	3.6	.45
20- 22	12- 14	3	1.00	49.30	1977.0	3.3	.47
20- 22	10- 12	4	1.00	31.20	1897.0	3.3	.62
20- 22	8- 10	5	1.50	19.30	1974.0	3.3	.43
18- 20	14- 16	1	.30	155.00	1948.0	2.7	.50
18- 20	12- 14	2	1.00	217.00	2727.0	2.7	.60
18- 20	10- 12	3	1.00	112.00	2484.0	2.7	.85
18- 20	8- 10	4	1.50	71.50	2995.0	2.6	.60
18- 20	6- 8	5	1.50	83.20	4021.0	3.2	.91
16- 18	12- 14	1	1.00	1920.00	3067.0	3.0	1.18
16- 18	10- 12	2	1.00	573.00	2752.0	2.8	1.57
16- 18	8- 10	3	1.50	281.00	3331.0	2.4	1.06
16- 18	6- 8	4	1.50	267.00	4247.0	3.0	1.58
16- 18	4- 6	5	1.50	156.00	4370.0	2.8	1.57
14- 16	10- 12	1	1.00	928.00	2010.0	2.5	.87
14- 16	8- 10	2	1.50	298.00	2378.0	1.9	.63
14- 16	6- 8	3	1.50	204.00	2698.0	2.6	.95
14- 16	4- 6	4	1.50	117.00	3128.0	2.4	.94
14- 16	2- 4	5	1.50	77.70	3973.0	2.2	.86
12- 14	8- 10	1	1.50	707.00	1288.0	1.9	.69
12- 14	6- 8	2	1.50	321.00	1415.0	2.2	1.14
12- 14	4- 6	3	1.50	131.00	1524.0	2.2	1.08
12- 14	2- 4	4	1.50	86.40	2262.0	2.3	.96
12- 14	0- 2	5	1.50	54.90	2542.0	2.3	.95
10- 12	6- 8	1	1.50	917.00	681.7	2.3	1.69
10- 12	4- 6	2	1.50	231.00	907.0	1.9	1.28
10- 12	2- 4	3	1.50	115.00	1314.0	1.5	1.10
10- 12	0- 2	4	1.50	65.80	1503.0	0.7	1.10
8- 10	4- 6	1	1.50	574.00	949.1	2.1	.76
8- 10	2- 4	2	1.50	121.00	856.6	1.7	.71
8- 10	0- 2	3	1.00	62.70	1642.0	1.7	.72
6- 8	2- 4	1	1.00	478.00	1126.0	2.2	.80
6- 8	0- 2	2	1.00	169.00	1370.0	1.9	.93
4- 6	0- 2	1	1.00	251.00	537.5	1.8	.88

NAME: CHASO JUAN AREA
LINE: C3 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: N 120E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	1.00	596.00	1321.0	3.0	.85
30- 32	24- 26	2	1.00	250.00	1224.0	3.7	1.54
30- 32	22- 24	3	.50	46.10	954.9	3.9	1.82
30- 32	20- 22	4	1.00	43.90	1191.0	3.7	1.39
30- 32	18- 20	5	1.00	36.60	1886.0	4.7	1.28
28- 30	24- 26	1	.50	745.00	1978.0	3.0	1.42
28- 30	22- 24	2	.50	84.90	907.8	2.9	1.41
28- 30	20- 22	3	1.00	64.00	1231.0	3.5	.98
28- 30	18- 20	4	1.00	54.50	2283.0	4.7	.90
28- 30	16- 18	5	1.00	23.80	2343.0	4.1	.67
26- 28	22- 24	1	.50	92.00	468.6	4.3	.74
26- 28	20- 22	2	1.00	58.90	854.0	4.0	.52
26- 28	18- 20	3	1.00	39.20	1508.0	4.9	.49
26- 28	16- 18	4	1.00	20.20	2004.0	4.4	.38
26- 28	14- 16	5	1.00	17.60	2832.0	5.3	.41
24- 26	20- 22	1	1.00	392.00	1087.0	3.3	.68
24- 26	18- 20	2	1.00	298.00	2996.0	4.5	.75
24- 26	16- 18	3	1.00	78.60	2512.0	4.0	.59
24- 26	14- 16	4	1.00	71.20	4067.0	4.8	.66
24- 26	12- 14	5	1.00	54.30	4368.0	4.8	.82
22- 24	18- 20	1	1.00	437.00	840.5	3.7	.98
22- 24	16- 18	2	1.00	98.00	890.2	3.7	.83
22- 24	14- 16	3	1.00	77.50	1522.0	4.4	.96
22- 24	12- 14	4	1.00	56.10	1792.0	4.5	1.18
22- 24	10- 12	5	1.00	49.30	2904.0	4.6	1.12
20- 22	16- 18	1	1.00	191.00	467.5	2.1	.77
20- 22	14- 16	2	1.00	132.00	1005.0	3.3	.99
20- 22	12- 14	3	1.00	76.30	1198.0	3.5	1.20
20- 22	10- 12	4	1.00	61.10	2056.0	3.7	1.12
20- 22	8- 10	5	1.00	31.40	1771.0	3.4	1.17
18- 20	14- 16	1	1.00	538.00	947.8	4.1	1.07
18- 20	12- 14	2	1.00	227.00	1316.0	4.8	1.30
18- 20	10- 12	3	1.00	143.00	2304.0	5.5	1.17
18- 20	8- 10	4	1.00	69.80	2211.0	4.9	1.19
18- 20	6- 8	5	1.00	50.80	2411.0	5.2	1.39
16- 18	12- 14	1	1.00	534.00	949.6	3.4	1.06
16- 18	10- 12	2	1.00	242.00	1921.0	5.5	.95
16- 18	8- 10	3	1.00	99.50	1974.0	4.5	.95
16- 18	6- 8	4	1.00	62.10	2148.0	4.5	1.09
16- 18	4- 6	5	1.00	35.10	2790.0	4.2	.83
14- 16	10- 12	1	1.00	556.00	1310.0	4.7	.80
14- 16	8- 10	2	1.00	209.00	1833.0	4.4	.86
14- 16	6- 8	3	1.00	114.00	2149.0	4.9	1.00
14- 16	4- 6	4	1.00	57.00	2826.0	4.9	.76
14- 16	2- 4	5	1.50	59.00	2790.0	6.1	.93
12- 14	8- 0	1	1.00	601.00	1100.0	3.4	1.03
12- 14	6- 8	2	1.00	251.00	1538.0	4.3	1.23
12- 14	4- 6	3	1.20	139.00	2373.0	4.5	.92
12- 14	2- 4	4	1.50	108.00	2423.0	5.5	1.12
12- 14	0- 2	5	1.00	24.60	1824.0	5.0	.89
10- 12	6- 8	1	1.00	1180.00	2444.0	3.6	.91
10- 12	4- 6	2	1.20	354.00	3005.0	3.8	.74
10- 12	2- 4	3	1.50	235.00	3210.0	4.8	.92
10- 12	0- 2	4	1.00	49.40	2516.0	4.6	.74
8- 10	4- 6	1	1.50	967.00	1711.0	3.3	.71
8- 10	2- 4	2	1.50	294.00	1493.0	4.1	.99
8- 10	0- 2	3	1.40	75.60	1272.0	3.7	.80
6- 8	2- 4	1	1.50	1370.00	1266.0	4.5	1.36
6- 8	0- 2	2	1.30	222.00	1275.0	4.2	1.01
4- 6	0- 2	1	1.30	568.00	1042.0	3.7	.79

NAME: CHASO JUAN AREA
LINE: C4 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: N 120E N=1 ~ 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
0- 2	4- 6	1	.50	169.00	936.9	5.8	.68
0- 2	6- 8	2	.75	122.00	1179.0	5.8	1.04
0- 2	8- 10	3	1.00	78.10	1457.0	6.2	1.01
0- 2	10- 12	4	1.00	41.40	1661.0	6.5	.94
0- 2	12- 14	5	1.00	22.70	2203.0	7.4	.68
2- 4	6- 8	1	.75	927.00	1820.0	4.5	1.28
2- 4	8- 10	2	1.00	302.00	1913.0	4.8	1.19
2- 4	10- 12	3	1.00	137.00	2369.0	5.1	1.09
2- 4	12- 14	4	1.00	70.90	3383.0	5.6	.79
2- 4	14- 16	5	.75	43.80	2812.0	6.7	1.37
30- 32	26- 28	1	.50	551.00	1822.0	3.0	1.14
30- 32	24- 26	2	.45	260.00	2984.0	3.5	1.46
30- 32	22- 24	3	.50	100.00	2417.0	3.3	1.56
30- 32	20- 22	4	1.00	68.50	2776.0	3.3	.93
30- 32	18- 20	5	1.00	42.30	2114.0	2.7	1.32
28- 30	24- 26	1	.45	652.00	2483.0	3.3	1.10
28- 30	22- 24	2	.50	143.00	1859.0	3.3	1.16
28- 30	20- 22	3	1.00	76.70	2158.0	3.3	.67
28- 30	18- 20	4	1.00	42.70	1677.0	2.7	.96
28- 30	16- 18	5	.75	28.80	2638.0	3.5	.96
26- 28	22- 24	1	.50	273.00	1583.0	3.3	.65
26- 28	20- 22	2	1.00	115.00	1927.0	3.3	.45
26- 28	18- 20	3	1.00	55.70	1522.0	2.7	.69
26- 28	16- 18	4	.75	36.90	2576.0	4.2	.72
26- 28	14- 16	5	.75	13.10	1585.0	4.9	.62
24- 26	20- 22	1	1.00	678.00	2061.0	3.3	.62
24- 26	18- 20	2	1.00	235.00	1611.0	2.8	1.10
24- 26	16- 18	3	.75	118.00	2648.0	4.2	1.12
24- 26	14- 16	4	.75	36.30	1942.0	4.9	.94
24- 26	12- 14	5	1.00	23.50	2583.0	4.5	.60
22- 24	18- 20	1	1.00	136.00	1793.0	3.9	1.43
22- 24	16- 18	2	.75	346.00	2595.0	4.6	1.34
22- 24	14- 16	3	.75	78.80	1784.0	5.5	1.11
22- 24	12- 14	4	1.00	38.80	2061.0	5.0	.71
22- 24	10- 12	5	1.00	42.60	2422.0	4.4	1.16
20- 22	16- 18	1	.75	600.00	1909.0	4.0	.79
20- 22	14- 16	2	.75	94.10	1351.0	5.3	.70
20- 22	12- 14	3	1.00	35.10	1408.0	4.4	.47
20- 22	10- 12	4	1.00	35.80	1687.0	4.0	.80
20- 22	8- 10	5	1.00	23.80	1725.0	3.7	.91
18- 20	14- 16	1	.75	188.00	583.3	4.8	.81
18- 20	12- 14	2	1.00	51.40	615.1	4.3	.63
18- 20	10- 12	3	1.00	48.50	846.5	3.9	1.08
18- 20	8- 10	4	1.00	29.10	899.2	3.6	1.22
18- 20	6- 8	5	1.00	25.20	1330.0	4.0	1.25
16- 18	12- 14	1	1.00	369.00	1054.0	5.1	.66
16- 18	10- 12	2	1.00	259.00	1502.0	5.0	1.30
16- 18	8- 10	3	1.00	121.00	1618.0	4.8	1.41
16- 18	6- 8	4	1.00	92.60	2476.0	5.3	1.41
16- 18	4- 6	5	.70	34.80	2982.0	5.7	1.10
14- 16	10- 12	1	1.00	854.00	1059.0	4.6	1.52
14- 16	8- 10	2	1.00	252.00	1347.0	5.3	1.41
14- 16	6- 8	3	.90	141.00	2237.0	6.2	1.32
14- 16	4- 6	4	.70	45.20	2434.0	6.5	1.00
12- 14	8- 10	1	1.00	427.00	1032.0	3.8	.78
12- 14	6- 8	2	.90	198.00	2183.0	4.8	.76
12- 14	4- 6	3	.70	56.40	2619.0	5.3	.58
10- 12	6- 8	1	.90	522.00	1175.0	3.9	.93
10- 12	4- 6	2	.70	130.00	1795.0	4.7	.78
8- 10	4- 6	1	.70	433.00	1476.0	4.0	.79

NAME: CHASO JUAN AREA
LINE: C5 A_SP: 100.m ST_LO: 0 ST_HI: 32 DELTA: 2
BRNG: N 120E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
30- 32	26- 28	1	1.00	291.00	703.2	1.8	.78
30- 32	24- 26	2	1.00	152.00	1091.0	1.8	1.05
30- 32	22- 24	3	1.00	125.00	1707.0	1.9	1.38
30- 32	20- 22	4	1.00	79.20	2315.0	2.6	1.29
30- 32	18- 20	5	.50	24.80	2517.0	3.3	1.30
28- 30	24- 26	1	.75	316.00	690.6	2.4	1.15
28- 30	22- 24	2	.75	191.00	1324.0	2.5	1.45
28- 30	20- 22	3	1.00	138.00	2016.0	3.1	1.29
28- 30	18- 20	4	.50	37.60	2250.0	3.4	1.26
28- 30	16- 18	5	.50	8.22	1107.0	3.0	.98
26- 28	22- 24	1	.75	285.00	695.4	2.4	1.03
26- 28	20- 22	2	1.00	176.00	1474.0	2.8	.90
26- 28	18- 20	3	.50	39.30	1703.0	2.9	.87
26- 28	16- 18	4	.50	7.83	881.2	2.9	.67
26- 28	14- 16	5	1.00	31.10	2072.0	4.0	.99
24- 26	20- 22	1	1.00	470.00	1055.0	2.5	.84
24- 26	18- 20	2	.50	78.30	1357.0	3.0	.87
24- 26	16- 18	3	.50	14.50	780.9	3.2	.70
24- 26	14- 16	4	1.00	52.00	1902.0	3.9	1.03
24- 26	12- 14	5	1.00	13.80	1319.0	3.3	.69
22- 24	18- 20	1	.50	338.00	1300.0	2.7	.98
22- 24	16- 18	2	.50	49.30	874.6	3.2	.85
22- 24	14- 16	3	1.00	156.00	2315.0	4.1	1.27
22- 24	12- 14	4	1.00	34.30	1503.0	3.4	.86
22- 24	10- 12	5	.50	26.20	3457.0	4.4	1.00
20- 22	16- 18	1	.50	107.00	552.6	3.1	.73
20- 22	14- 16	2	1.00	272.00	1681.0	4.6	1.22
20- 22	12- 14	3	1.00	51.00	1187.0	3.7	.81
20- 22	10- 12	4	.50	37.70	3024.0	4.9	.89
20- 22	8- 10	5	.50	10.50	1385.0	4.9	1.00
18- 20	14- 16	1	1.00	1090.00	1361.0	3.9	1.51
18- 20	12- 14	2	1.00	138.00	1182.0	3.6	.88
18- 20	10- 12	3	.75	129.00	3117.0	4.8	1.04
18- 20	8- 10	4	.50	22.20	1522.0	4.5	1.10
18- 20	6- 8	5	.75	25.50	2312.0	4.9	.97
16- 18	12- 14	1	1.00	130.00	422.4	3.0	.58
16- 18	10- 12	2	.70	86.00	1158.0	4.2	.80
16- 18	8- 10	3	.45	12.40	611.1	3.8	.85
16- 18	6- 8	4	.75	14.10	944.9	4.2	.75
16- 18	4- 6	5	1.00	15.20	1045.0	4.7	.96
14- 16	10- 12	1	.70	1140.00	2361.0	4.3	1.30
14- 16	8- 10	2	.40	101.00	1453.0	4.1	1.31
14- 16	6- 8	3	.75	105.00	2295.0	4.8	1.15
14- 16	4- 6	4	1.00	102.00	2634.0	5.3	1.46
12- 14	8- 10	1	.40	147.00	736.9	3.2	.94
12- 14	6- 8	2	.75	118.00	1379.0	4.0	.86
12- 14	4- 6	3	1.00	100.00	1729.0	4.7	1.09
10- 12	6- 8	1	.75	477.00	1620.0	3.8	.74
10- 12	4- 6	2	1.00	336.00	2490.0	5.1	1.06
0- 2	4- 6	1	1.00	847.00	967.6	3.7	1.65
0- 2	6- 8	2	.75	213.00	1946.0	5.1	1.10
0- 2	8- 10	3	.40	40.20	1480.0	5.1	1.28
0- 2	10- 12	4	.60	54.60	3063.0	5.5	1.12
0- 2	12- 14	5	1.00	30.50	1813.0	4.9	1.11
2- 4	6- 8	1	.75	386.00	1448.0	4.4	.67
2- 4	8- 10	2	.40	61.90	1341.0	5.2	.87
2- 4	10- 12	3	.50	56.80	2817.0	5.2	.76
2- 4	12- 14	4	1.00	38.10	1890.0	4.4	.76
2- 4	14- 16	5	1.00	44.00	2818.0	4.5	1.03
4- 6	8- 10	1	.40	278.00	1083.0	4.2	1.21

NAME: CHASO JUAN AREA
LINE: C6 A_SP: 100.m ST_LO: 4 ST_HI: 36 DELTA: 2
BRNG: N 120E N=1 - 5 Rho_tc = Rho_a/Ktc

Tx	Rx	n	I (A)	V (mV)	Rho_a (Ohm-m)	PFE (%)	Ktc
34- 36	30- 32	1	.75	248.00	670.2	4.2	.93
34- 36	28- 30	2	.75	62.90	679.9	2.8	.93
34- 36	26- 28	3	.75	31.10	849.6	2.6	.92
34- 36	24- 26	4	.75	18.60	882.0	2.4	1.06
34- 36	22- 24	5	1.00	19.20	1141.0	2.3	1.11
32- 34	28- 30	1	.75	284.00	784.4	4.7	.91
32- 34	26- 28	2	.75	73.20	766.6	3.9	.96
32- 34	24- 26	3	.75	35.90	805.6	3.4	1.12
32- 34	22- 24	4	1.00	34.90	1144.0	3.3	1.15
32- 34	20- 22	5	.75	15.30	1402.0	4.2	.96
30- 32	26- 28	1	.75	261.00	683.3	3.8	.96
30- 32	24- 26	2	.75	72.40	627.4	3.6	1.16
30- 32	22- 24	3	1.00	56.40	908.6	3.1	1.17
30- 32	20- 22	4	.75	21.50	1114.0	3.5	.97
30- 32	18- 20	5	.45	10.80	1632.0	4.0	.97
28- 30	24- 26	1	.75	244.00	625.7	3.6	.98
28- 30	22- 24	2	1.00	119.00	879.6	3.4	1.02
28- 30	20- 22	3	.75	36.00	1064.0	3.2	.85
28- 30	18- 20	4	.40	14.60	1600.0	4.0	.86
28- 30	16- 18	5	.35	10.20	1942.0	4.0	.99
26- 28	22- 24	1	1.00	301.00	616.7	3.0	.92
26- 28	20- 22	2	.75	61.00	738.8	3.3	.83
26- 28	18- 20	3	.40	21.80	1208.0	3.8	.85
26- 28	16- 18	4	.30	11.80	1513.0	4.3	.98
26- 28	14- 16	5	.45	12.80	2040.0	4.3	.92
24- 26	20- 22	1	.75	137.00	419.9	2.8	.82
24- 26	18- 20	2	.40	34.90	707.3	3.3	.93
24- 26	16- 18	3	.30	17.20	1001.0	4.0	1.08
24- 26	14- 16	4	.45	16.90	1402.0	4.0	1.01
24- 26	12- 14	5	.75	20.70	1751.0	4.0	1.04
22- 24	18- 20	1	.40	95.30	411.9	3.0	1.09
22- 24	16- 18	2	.30	34.90	701.7	3.8	1.25
22- 24	14- 16	3	.45	29.30	1076.0	3.9	1.14
22- 24	12- 14	4	.75	32.60	1401.0	4.0	1.17
22- 24	10- 12	5	1.00	20.60	1387.0	3.7	.98
20- 22	16- 18	1	.30	81.50	507.0	3.6	1.01
20- 22	14- 16	2	.45	45.00	802.1	3.8	.94
20- 22	12- 14	3	.75	44.30	1136.0	4.4	.98
20- 22	10- 12	4	1.00	25.00	1164.0	4.0	.81
20- 22	8- 10	5	.75	14.70	1361.0	4.4	.95
18- 20	14- 16	1	.45	148.00	756.0	4.0	.82
18- 20	12- 14	2	.75	88.30	954.5	4.2	.93
18- 20	10- 12	3	1.00	44.10	1066.0	4.0	.78
18- 20	8- 10	4	.75	22.90	1251.0	4.3	.92
4- 6	8- 10	1	.75	341.00	1008.0	4.1	.85
4- 6	10- 12	2	1.00	157.00	1233.0	4.2	.96
4- 6	12- 14	3	.75	89.50	1939.0	4.6	1.16
4- 6	14- 16	4	.45	28.80	2045.0	5.0	1.18
4- 6	16- 18	5	.30	9.16	1598.0	5.1	1.26
6- 8	10- 12	1	1.00	318.00	651.5	3.8	.92
6- 8	12- 14	2	.75	141.00	1222.0	4.6	1.16
6- 8	14- 16	3	.45	38.10	1388.0	4.7	1.15
6- 8	16- 18	4	.30	10.70	1112.0	5.1	1.21
6- 8	18- 20	5	.40	9.35	1512.0	4.9	1.02
8- 10	12- 14	1	.75	305.00	703.2	3.5	1.09
8- 10	14- 16	2	.45	68.40	1061.0	4.0	1.08
8- 10	16- 18	3	.30	16.70	936.6	4.5	1.12
10- 12	14- 16	1	.45	161.00	793.4	3.7	.85
10- 12	16- 18	2	.30	26.80	716.6	3.8	.94
12- 14	16- 18	1	.30	111.00	606.4	4.2	1.15

Table A–8 (1) Summary record of drilling results (MJE-4)

(1) MJE-4

		Periods			Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Aug.27,1989 ～ Sep. 5,1989			10	10	-	369
	Drilling	Sep. 6.1989 ～ Sep.16,1989			11	11	-	314
	Removing	Sep.17.1989 ～ Sep.17,1989			1	1	-	19
	Total	Aug.27.1989 ～ Sep.17,1989			22	22	-	702
Drilling Length	Planned Length	300 m	Overburden	11.50 m	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+ 5.30 m	Core Length	292.90 m	Depth(m)	Section(m)	Core Length(m)	Core Recovery (%)
	Drilled Length	305.30 m	Core Recovery	99.7 %	11.50 ～107.60	96.10	95.50	99.4
Working Time	Drilling	186° 30'	75.2 %	40.9 %	107.60 ～203.20	95.60	95.60	100.0
	Accompanying Works	61° 30'	24.8 %	13.5 %	203.20 ～305.30	102.10	101.80	99.7
	Repairing	0°	-	-				
	Sub Total	248°	100 %	54.4 %	Drilling Efficiency			
	Preparation	24°		5.3 %	$\frac{305.30}{11}$ [$\frac{\text{Total Length}}{\text{Drilling Days}}$]			27.75 m/Day
	Moving	8°		1.7 %	$\frac{305.30}{22}$ [$\frac{\text{Total Length}}{\text{Total Working Days}}$]			13.88 m/Day
	Others	176°		38.6 %	$\frac{314}{305.30}$ [$\frac{\text{Net Drilling Workers}}{\text{Total Length}}$]			1.03 mens/Day
	Grand Total	456°		100 %	$\frac{702}{305.30}$ [$\frac{\text{Total Workers}}{\text{Total Length}}$]			2.30 mens/Day
Inserted Casing Pipe	Pipe & size Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$		Recovery of Casing Pipe	Remarks			
	NQ-NUCP 11.50 m	3.8 %		100 %				
	BW cp 203.20 m	66.6 %		100 %				

Table A–8 (2) Summary record of drilling results (MJE-5)

(2) MJE-5

		Periods			Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Oct.15,1989 ～ Oct.17,1989			3	3	-	87
	Drilling	Oct.18.1989 ～ Oct.31,1989			14	14	-	377
	Removing	Nov. 1.1989 ～ Nov.10,1989			10	10	-	321
	Total	Oct.15.1989 ～ Nov.10,1989			27	27	-	785
Drilling Length	Planned Length	300 m	Overburden	10.90 m	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+ 5.20 m	Core Length	291.00 m	Depth(m)	Section(m)	Core Length(m)	Core Recovery (%)
	Drilled Length	305.20 m	Core Recovery	98.9 %	10.90 ～121.90	111.00	95.50	97.0
Working Time	Drilling	257°	80.3 %	51.8 %	121.90 ～214.80	92.90	95.60	100.0
	Accompanying Works	63°	19.7 %	12.7 %	214.80 ～305.20	90.40	101.80	100.0
	Repairing	0°	-	-				
	Sub Total	320°	100 %	64.5 %	Drilling Efficiency			
	Preparation	8°		1.6 %	$\frac{305.30}{14}$ [$\frac{\text{Total Length}}{\text{Drilling Days}}$]			21.8 m/Day
	Moving	48°		9.7 %	$\frac{305.20}{27}$ [$\frac{\text{Total Length}}{\text{Total Working Days}}$]			11.3 m/Day
	Others	120°		24.2 %	$\frac{377}{305.20}$ [$\frac{\text{Net Drilling Workers}}{\text{Total Length}}$]			1.24 mens/Day
	Grand Total	496°		100 %	$\frac{785}{305.20}$ [$\frac{\text{Total Workers}}{\text{Total Length}}$]			2.57 mens/Day
Inserted Casing Pipe	Pipe size & Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$		Recovery of Casing Pipe	Remarks			
	NQ-NUCP 11.50 m	8.7 %		100 %				
	BW cp 203.20 m	64.2 %		100 %				

Table A–8 (3) Summary record of drilling results (MJE-6)

(3) MJE-6

		Periods			Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Sep.18,1989 ~ Sep.25,1989			8	8	-	246
	Drilling	Sep.26.1989 ~ Oct.12,1989			17	17	-	418
	Removing	Oct.13.1989 ~ Oct.14,1989			2	2	-	54
	Total	Sep.18.1989 ~ Oct.14,1989			27	27	-	736
Drilling Length	Planned Length	300 m	Overburden	8.00 m	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+ 53 m	Core Length	342.40 m	Depth(m)	Section(m)	Core Length(m)	Core Recovery (%)
	Drilled Length	305.00 m	Core Recovery	99.2 %	8.00 ~108.00	100.00	97.50	97.5
Working Time	Drilling	287°	80.3 %	45.4 %	108.00 ~202.90	94.90	94.80	99.9
	Accompanying Works	105°	19.7 %	16.6 %	224.80 ~305.20	99.00	99.00	100.0
	Repairing	0°	-	-	301.90 ~353.00	51.10	51.10	100.0
	Sub Total	392°	100 %	62.0 %	Drilling Efficiency			
	Preparation	32°		5.1 %	$\frac{353.00}{17}$ [$\frac{\text{Total Length}}{\text{Drilling Days}}$]			20.76 m/Day
	Moving	48°		7.6 %	$\frac{305.00}{27}$ [$\frac{\text{Total Length}}{\text{Total Working Days}}$]			13.07 m/Day
	Others	160°		25.3 %	$\frac{418}{353.00}$ [$\frac{\text{Net Drilling Workers}}{\text{Total Length}}$]			1.18 mens/Day
	Grand Total	632°		100 %	$\frac{736}{353.00}$ [$\frac{\text{Total Workers}}{\text{Total Length}}$]			2.08 mens/Day
Inserted Casing Pipe	Pipe size & Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$		Recovery of Casing Pipe	Remarks			
	NQ-NUCP 11.50 m	2.3 %		100 %				
	BW cp 203.20 m	51.6 %		100 %				

Table A-9 Drilling equipments and consumed materials

A. Drilling Equipment

Article	Model	Specification	Quantity
Drilling Machine	L38	Maker:Longyear Capacity:BQ WL 725m Dimensions: Height 1450mm Length 2150mm Weight(without Power Unit) : 1150 kg	1 set
Diesel Engine	F4L 912	Maker:Mitsui Deutz Horse Power:52HP/1800rpm	1 set
Drilling Pump & Water Supply Pump	520 RQ	Maker:Longyear Poston Diameter 57mm Stroke 57mm Max.Capacity 76 ℓ/min Max.Pressure 49kg/㎠ Weight(without Power Unit) : 395 kg	2 set
Diesel Engine	FIL 210	Maker:Mitsui Duetz Horse Power:8.5HP/1800rpm	2 set
Mixer	Jet Type	Run by Drilling Pump	1 set
Drill Rod		NQWL (3.00m/joint)	85 joints
		BQWL (3.00m/joint)	130 joints
		NQ-NU(2.50m/joint)	18 joints
		BW (2.80m/joint)	100 joints
Wireline Hoist		Attached to Drilling Machine	1 set

B. Consumed Materials

Article	Specification	Unit	Quantity			
			MJE-4	MJE-5	MJE-6	Total
Light oil	Engine	ℓ	680	1030	1120	2830
Cement	40 Kg/Sx	Sx	6	6	6	18
Bentonite	25 Kg/Sx	Sx	72	73	112	257
Libonite	20 Kg/Sx	Sx	15	8	30	53
C.M.C	10 Kg/Sx	Kg	42	49	78	169
TK60B	20 Kg/Sx	Sx	3	3	4	10

C. Consumed Bit

Hole NO. / Bit Type		MJE-4		MJE-5		MJE-6		Total	
		Drilled Length	Quality	Drilled Length	Quality	Drilled Length	Quality	Drilled Length	Quality
101mm Single	Metal Bit	m 11.50	pcs 2	m 26.40	pcs	m 11.50	pcs	m 11.50	pcs
	reamer	-	-	-	-	-	-	-	-
NQWL	Dia. Bit	191.70	4	169.60	6	174.00	6	535.30	16
	Dia. Reamer	191.70	3	169.60	3	174.00	2	535.30	8
BWQL	Dia. Bit	102.10	2	109.20	3	171.00	8	382.30	13
	Dia. Reamer	102.10	1	109.20	2	171.00	4	382.30	7

Dia:Diamond