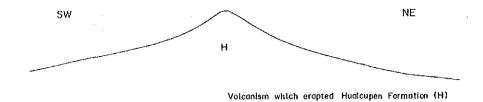
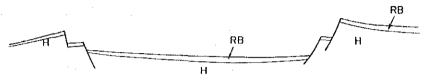


I. Pliocene

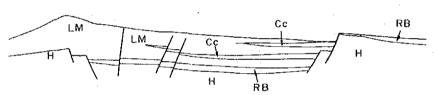


2. End of Pliocene to Beginning of Pleistocene



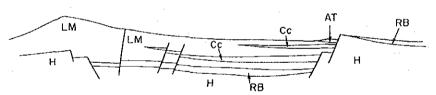
Eraption of pumice flow deposits (RB) and formation of caldera

3. Eary to Middle Pleistocene



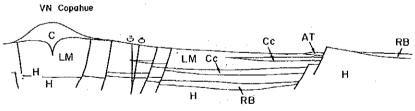
Volcanism which eropted Las Mellizas Formation (LM) including lake sediments (Cc)

4. Middle Pleistocene



Volcanism which erapted A^{o} Trolope Volcanic Rocks (AT)

5. Late Pleistocene to Holocene



Volcanism which erapted Copahue Volcanic Rocks (C)

C : Copahue Volcanic Rocks

Cc : Caviahue Conglomerate Member

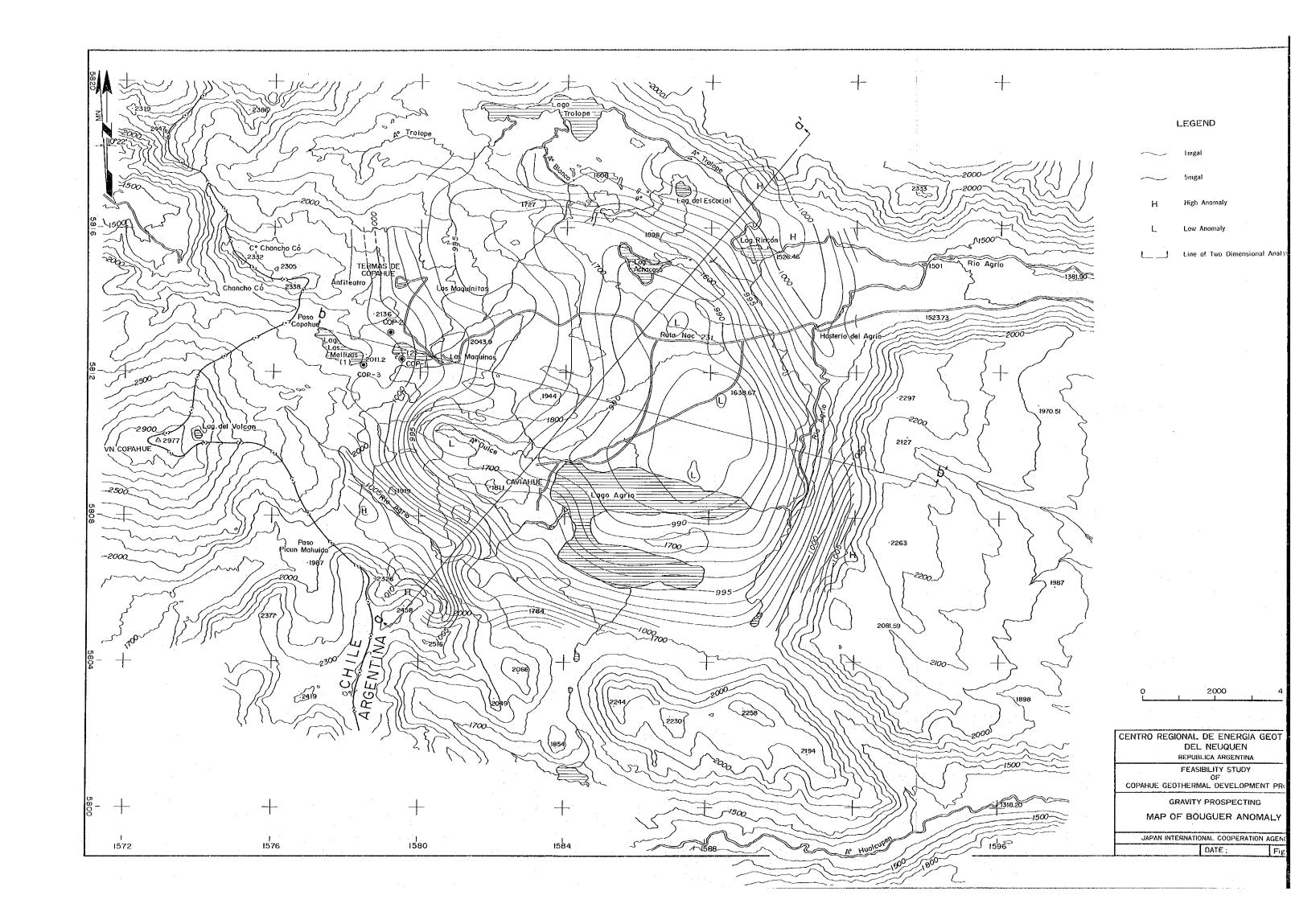
AT : A Trolope Volcanic Rocks

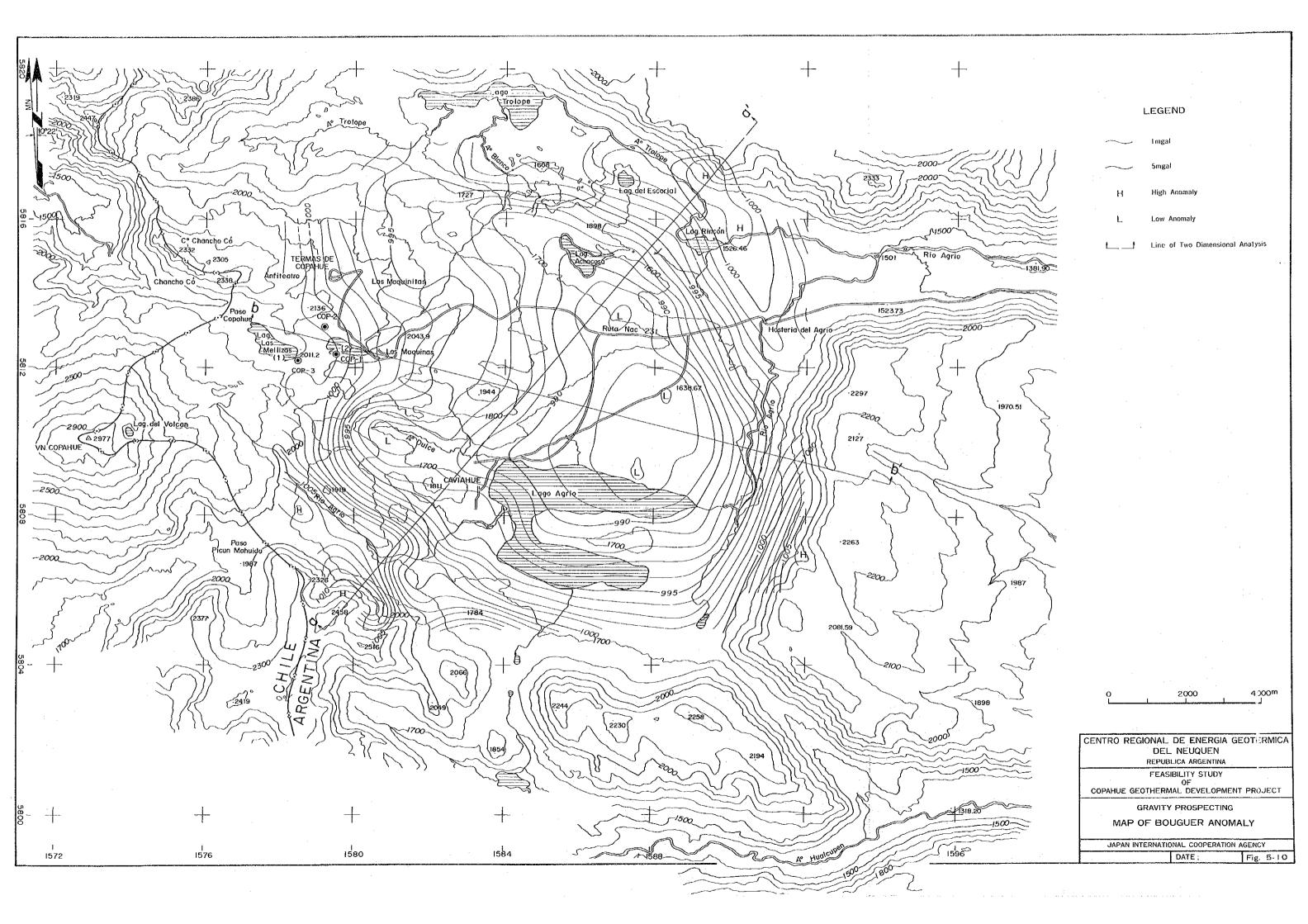
RB : Riscos Bayos Pyroclastic Flow Deposits

LM : Las Mellizas Formation

H : Hualcupen Formation

Fig. 5-9 Schematic Profile Showing Geologic Structural History





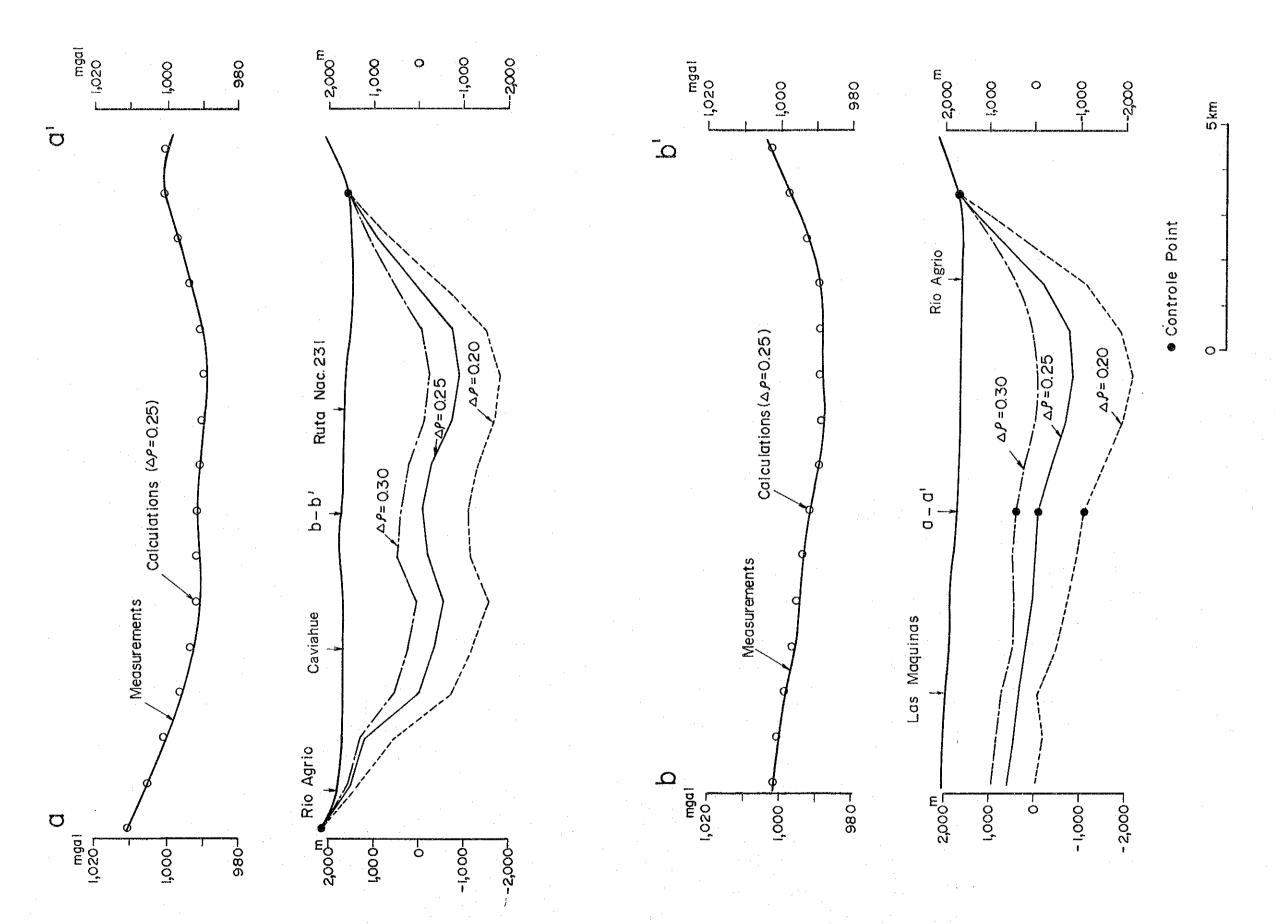
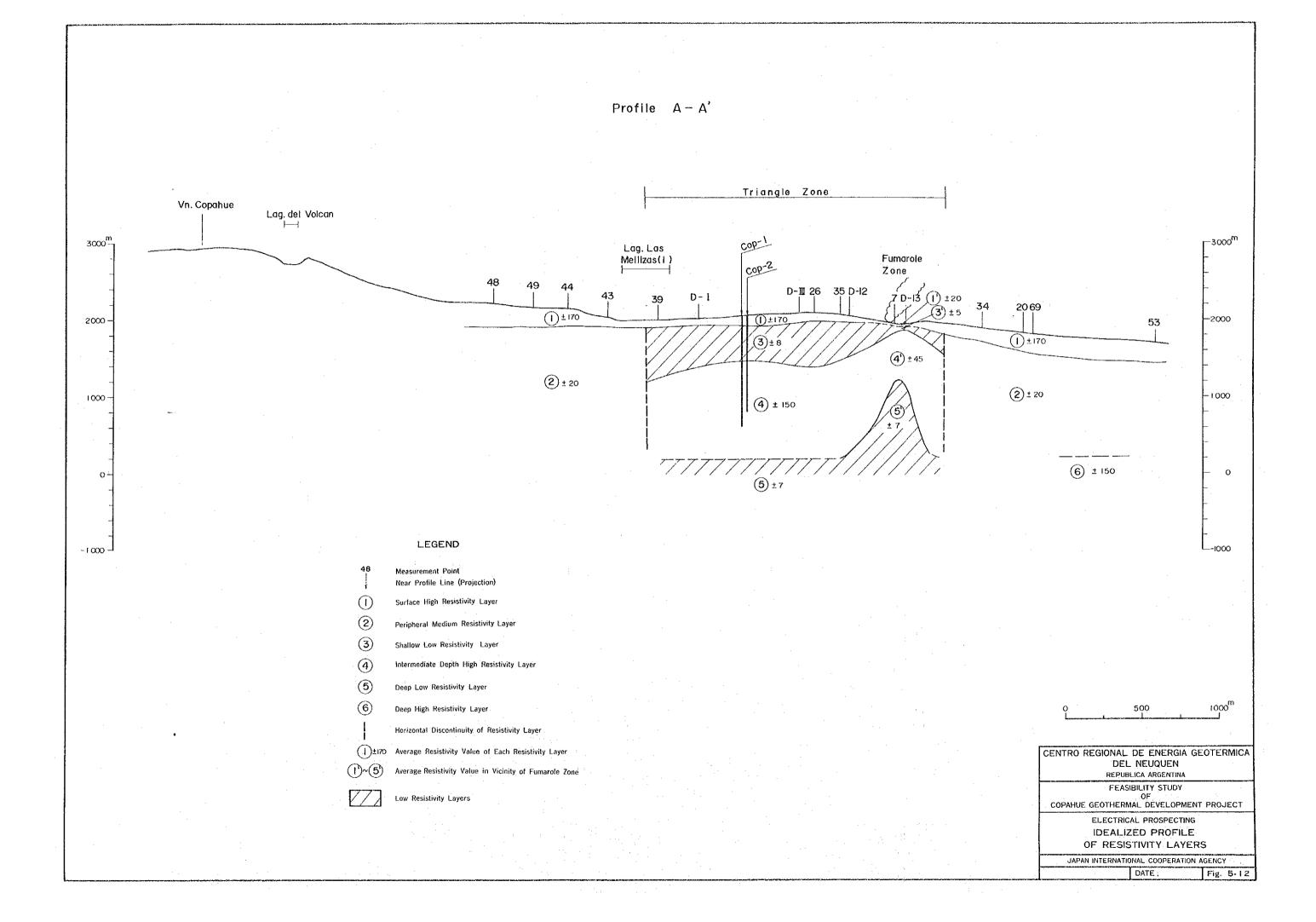
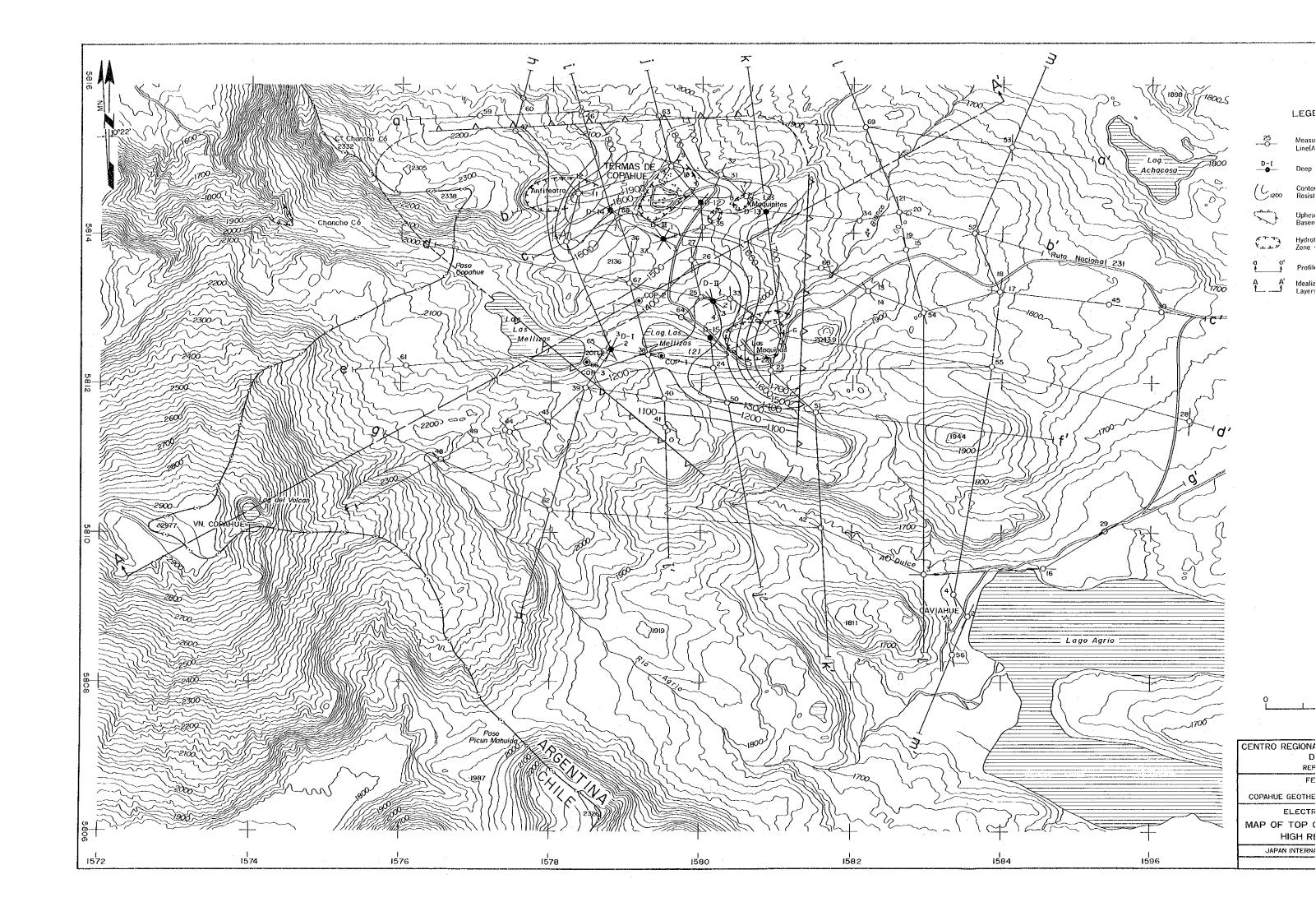
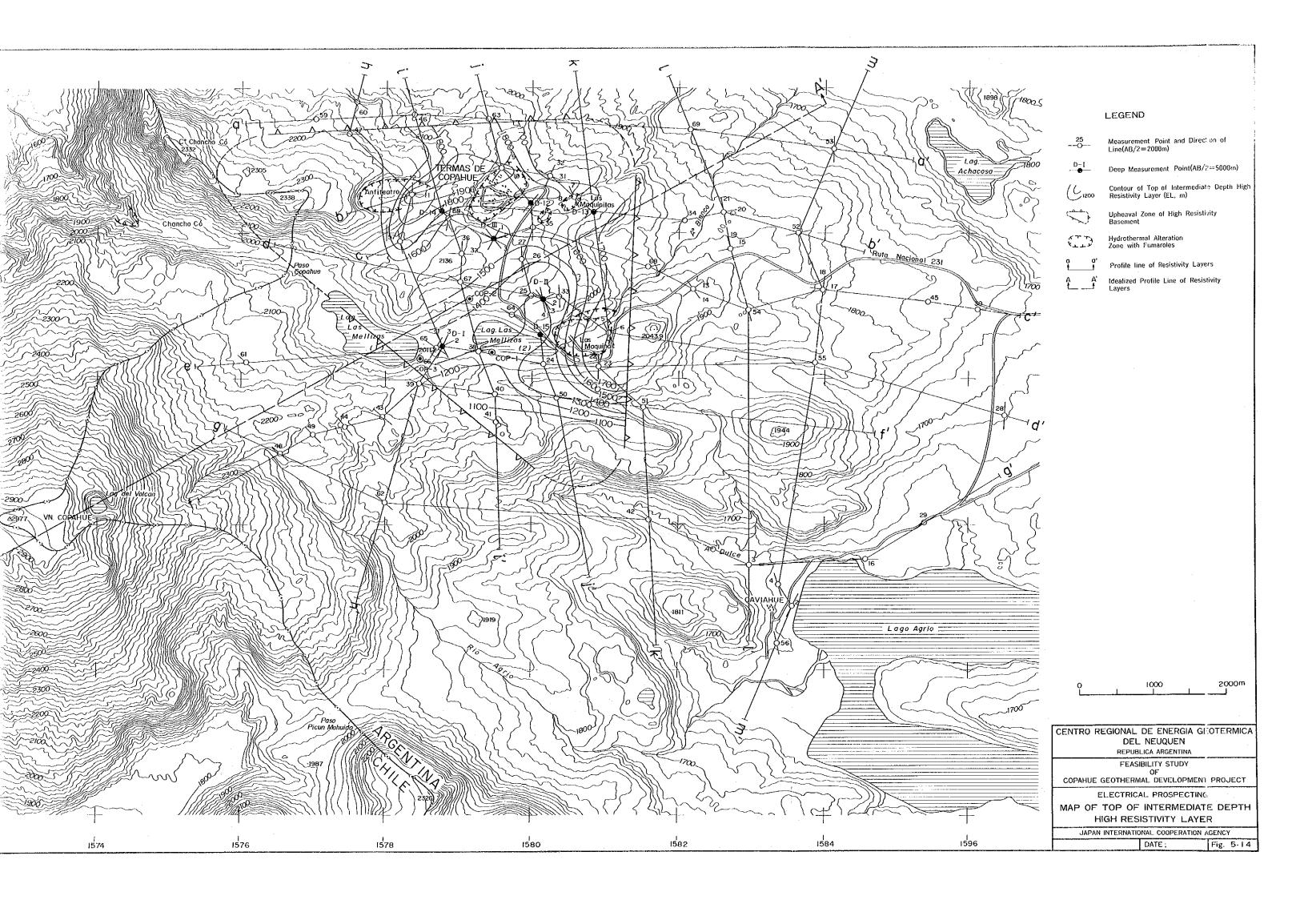
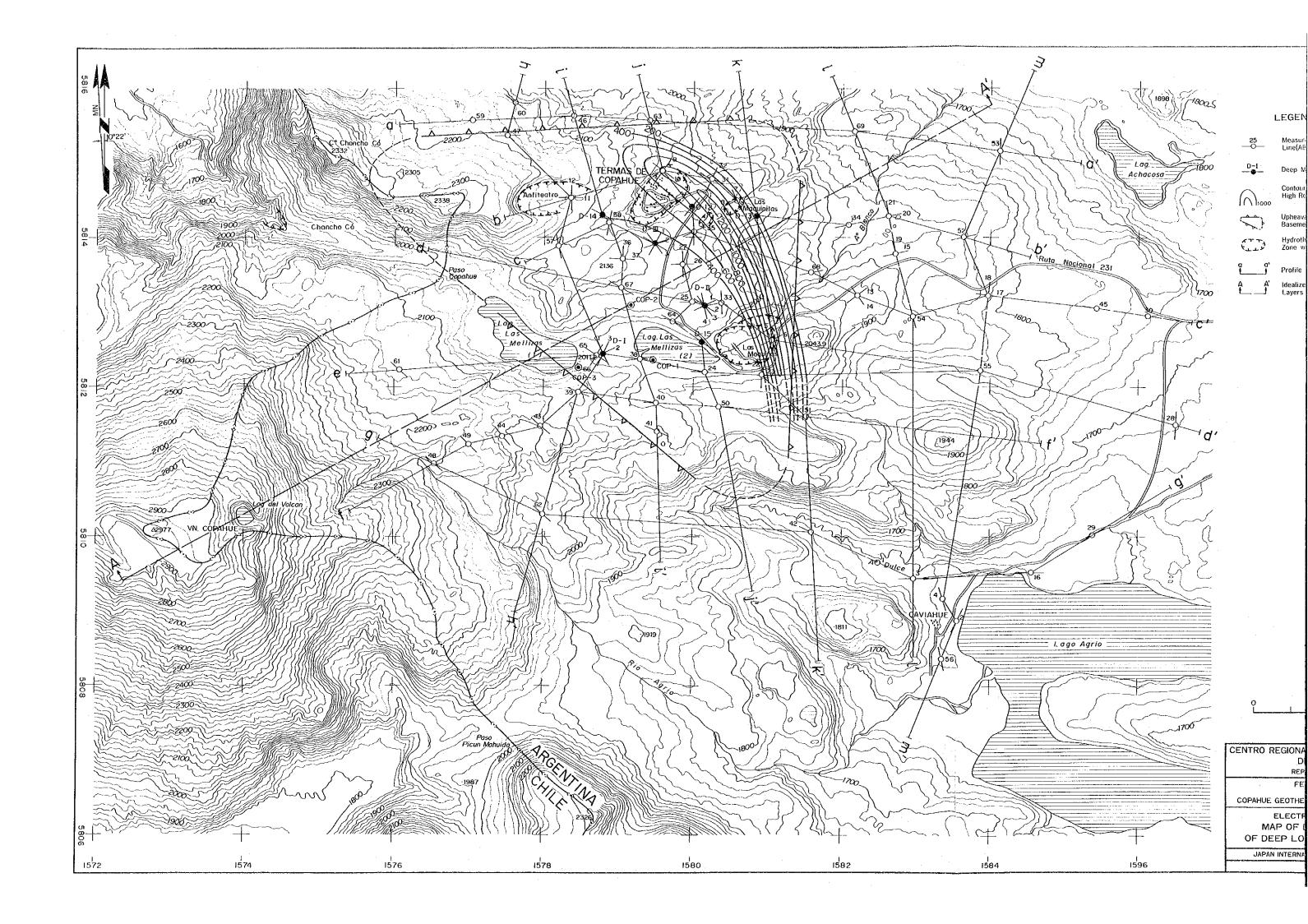


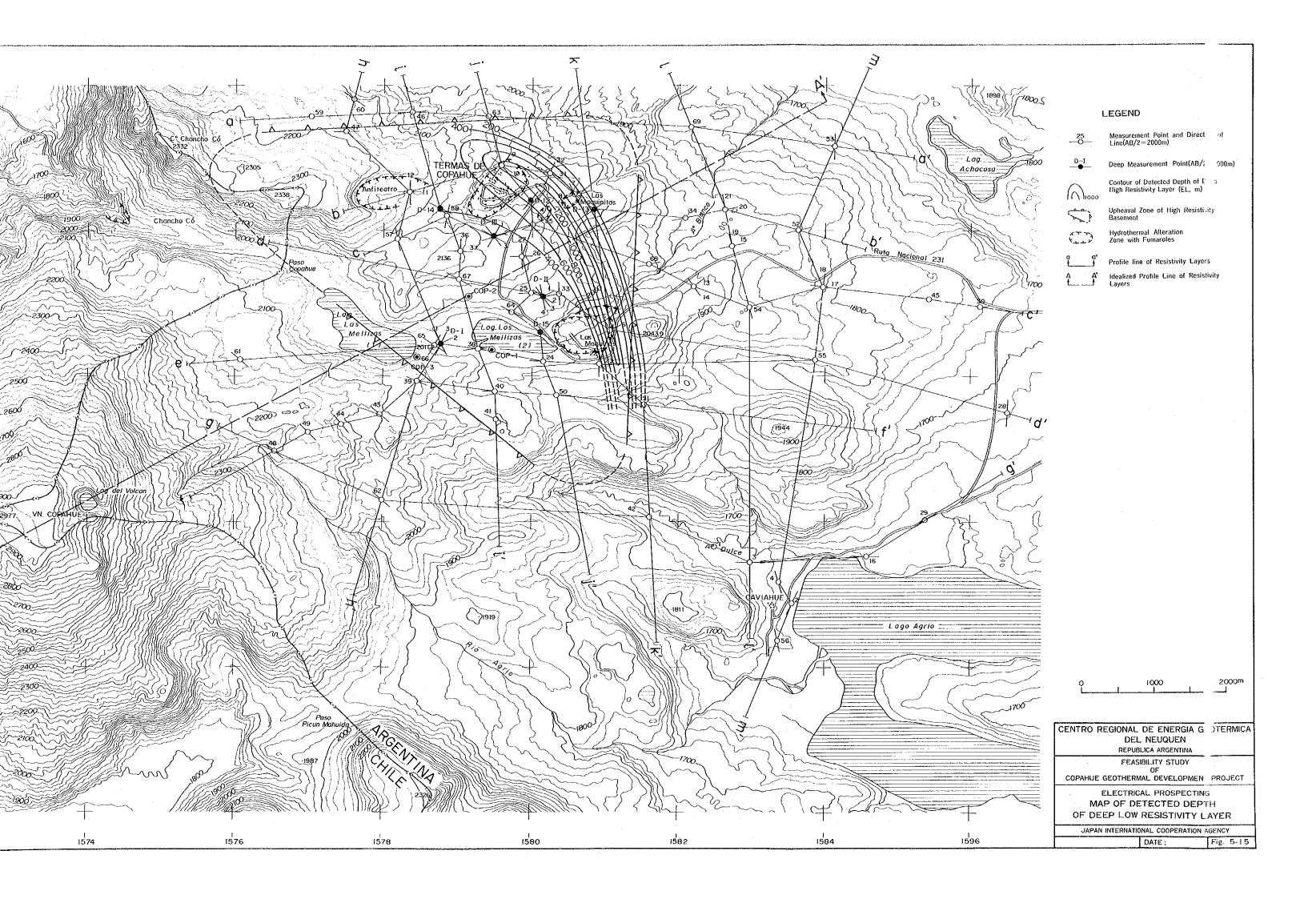
Fig. 5-11 Two Dimensional Analysis of Gravity Prospecting

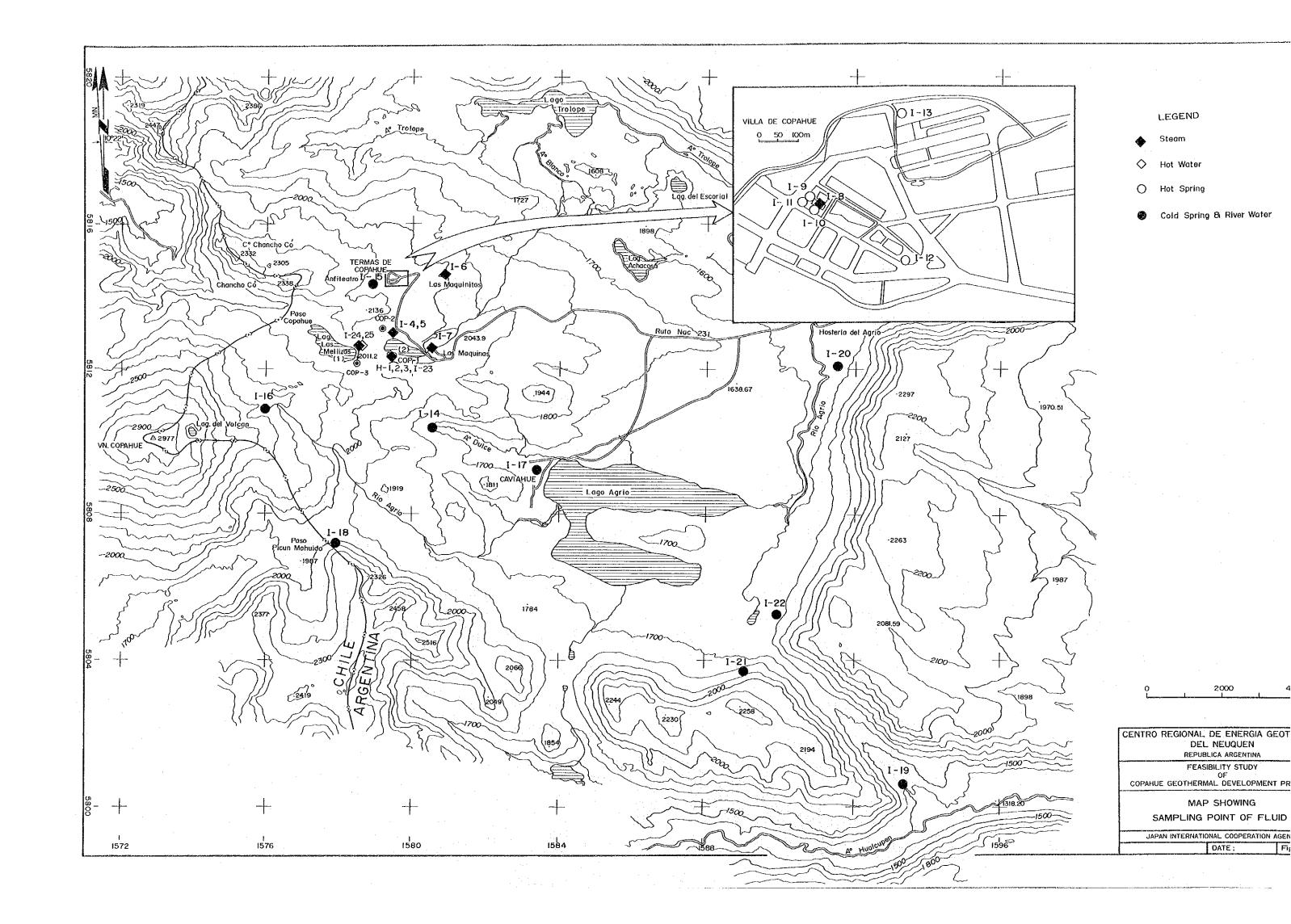


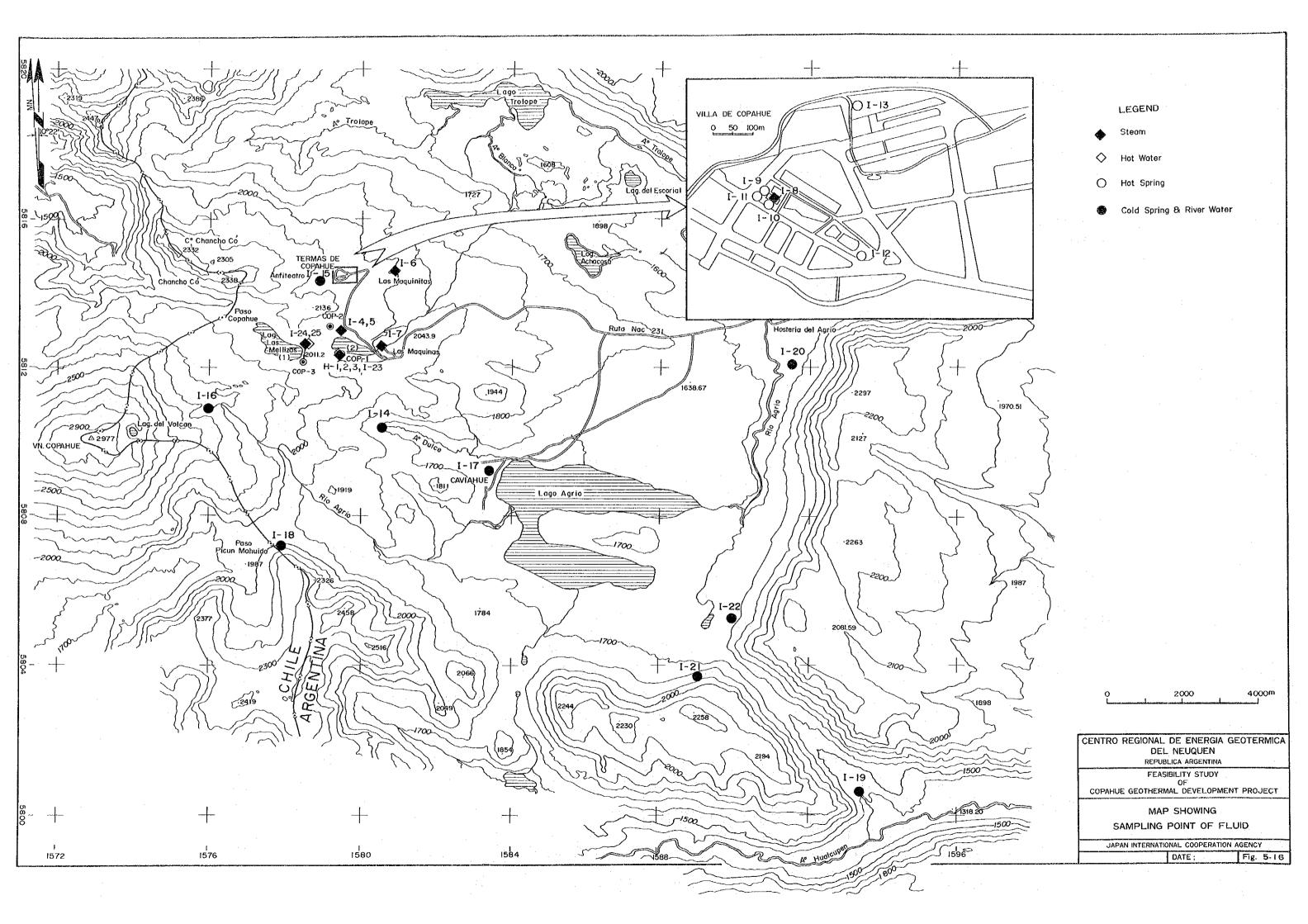












22 30 O • 23 O 25 100 \0 32 **♦** 60 10 1/2 × × 0 001 100 80 60 40 20 20 40 60 80 CIT

LEGEND

No. in Fig.	Sampling Number in Original Data	No. in Fig.	Sompling Number in Original Data
ı	Agrio I	21	CO 8
. 2	Agrio 2	22	CO 10
3	Agrio 3	23	COII
4	CAVI	24	CO 12
5	CAV 2	2,5	C O 15
6	CAV 5	26	RHCP 3
7	CAV 6	27	на з
8	CAV 7	2.8	MA 2
9	ARA 2	29	MA 3
10	ARA 4	30	MA 5
	ARA 6	3	MA 7
12	HU 5	32	MA 9
1.3	HAC 3	33	MAT 4
۱4	l T	3 4	MAT 6
1.5	3 T	35	ANF 3
1.6	CO I	36	ANF 5
17	CO 2	37	ANF 6
18	CO 4	- 38	COPA 5
19	CO 5	39	COPA 6
20	CO 7	40	COPA 7

Nos.1~37 are from Reference C-1 (ANEXO-2) Nos.38~40 are from Reference C-18.

	Acidic	Neutral	
	pH<6	6≦ pH<7.5	
River & Lake	•	0	
Cold Spring			
Hot Spring	•	\Diamond	

CENTRO REGIONAL DE ENERGIA O
DEL NEUQUEN
REPUBLICA ARGENTINA
FEASIBILITY STUDY

FEASIBILITY STUDY
OF
COPAHUE GEOTHERMAL DEVELOPMEN

KEY DIAGRAM OF CHEMICAL COMPOSITI

JAPAN INTERNATIONAL COOPERATION DATE;

√ 60/ √ 40/ 22 30 0 **4** 23 0 25 20 100 \ 0 100 20 60 80 60 40 C a 2+ CIT

LEGEND

No.	Sampling Number	No.	Sampling Number
in Fig.	in Original Data	in Fig.	in Original Data
1 1	Agrio I	21	CO 8
2	Agrio 2	22	C 0 10
3	Agrio 3	23	COII
4	CAVI	24	CO 12
5	CAV 2	2.5	C O 15
6	CAV 5	26	RHCP 3
7	CAV 6	27	НД 3
8	CAV 7	28	MA 2
9	ARA 2	29	МАЗ
10	ARA 4	30	MA 5
<u> </u>	ARA 6	3 1	MA 7
12	HU 5	32	MA 9
13	HAC 3	3 3	MAT 4
14	ΙT	3 4	MAT 6
15	3 T	35	ANF 3
۱6	COI	. 36	ANF 5
17	CO 2	37.	ANF 6
18	CO 4	38	COPA 5
19	CO 5	39	COPA 6
20	CO 7	40	COPA 7

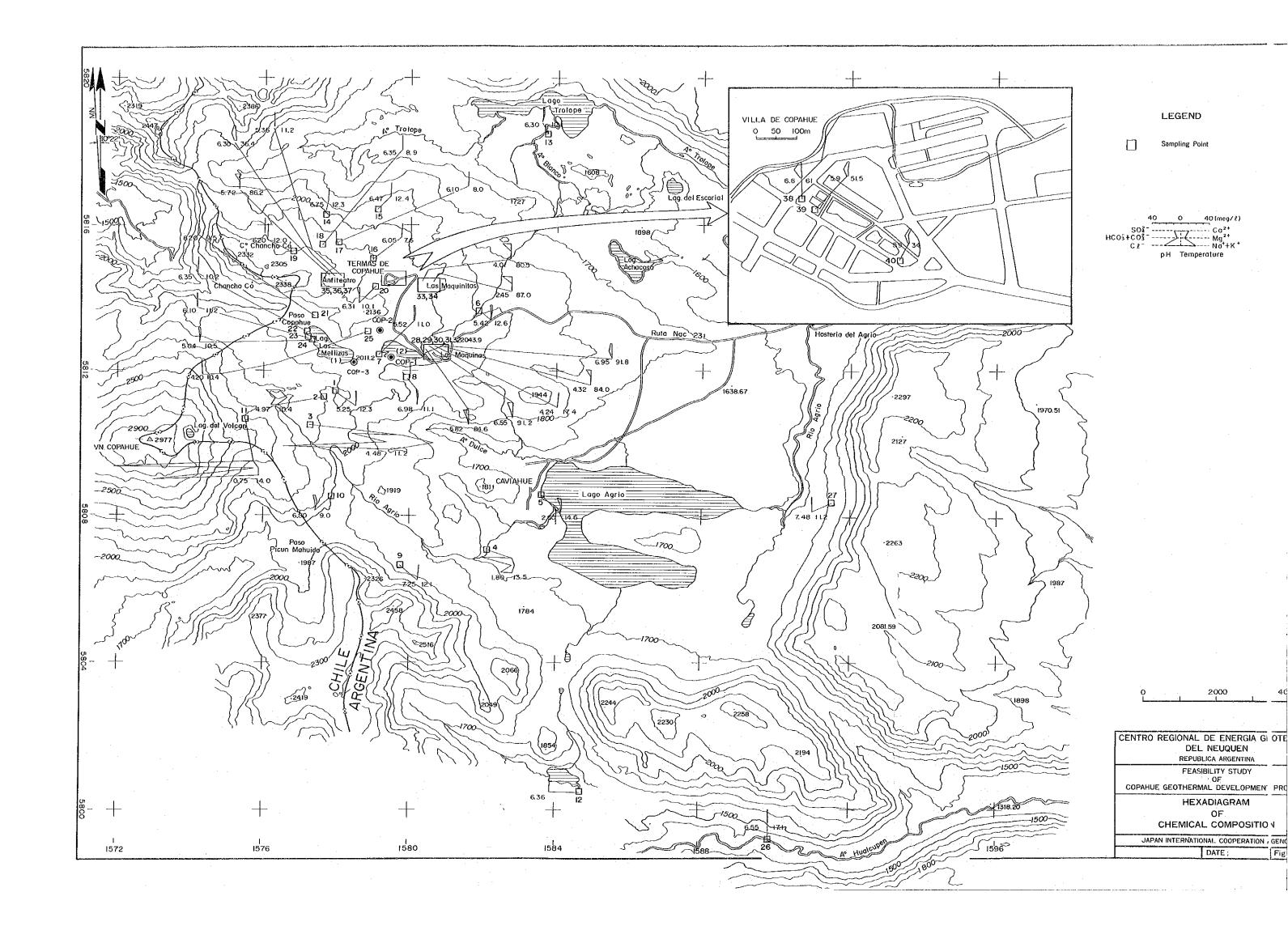
Nos.1~37 are from Reference C-1 (ANEXO-2) Nos. 38~40 are from Reference C-18.

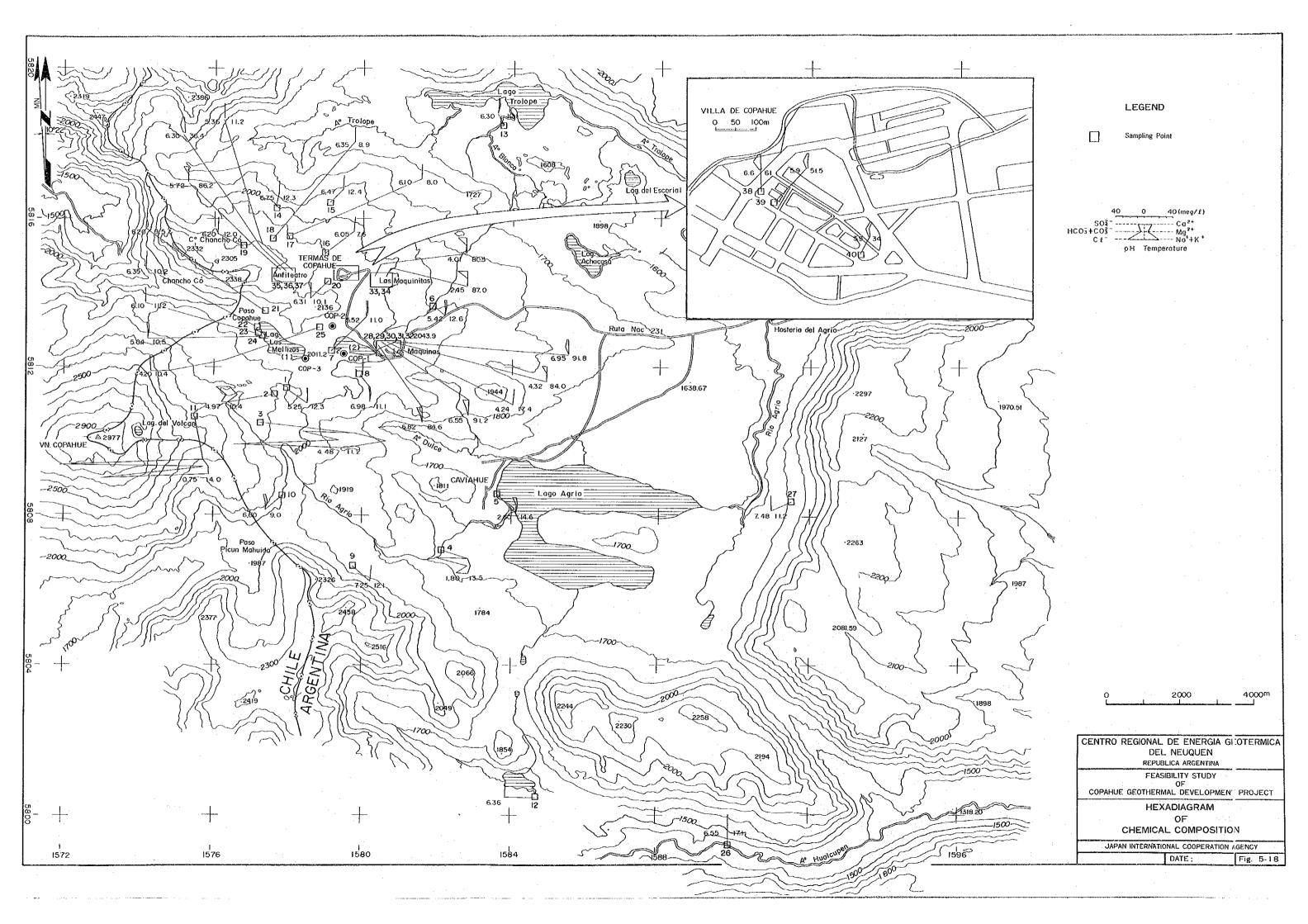
	Acidic	Neutral	
	pH<6	6 ≦ pH<7.5	
River & Lake	•	0	
Cold Spring			
Hot Spring	•	\diamond	

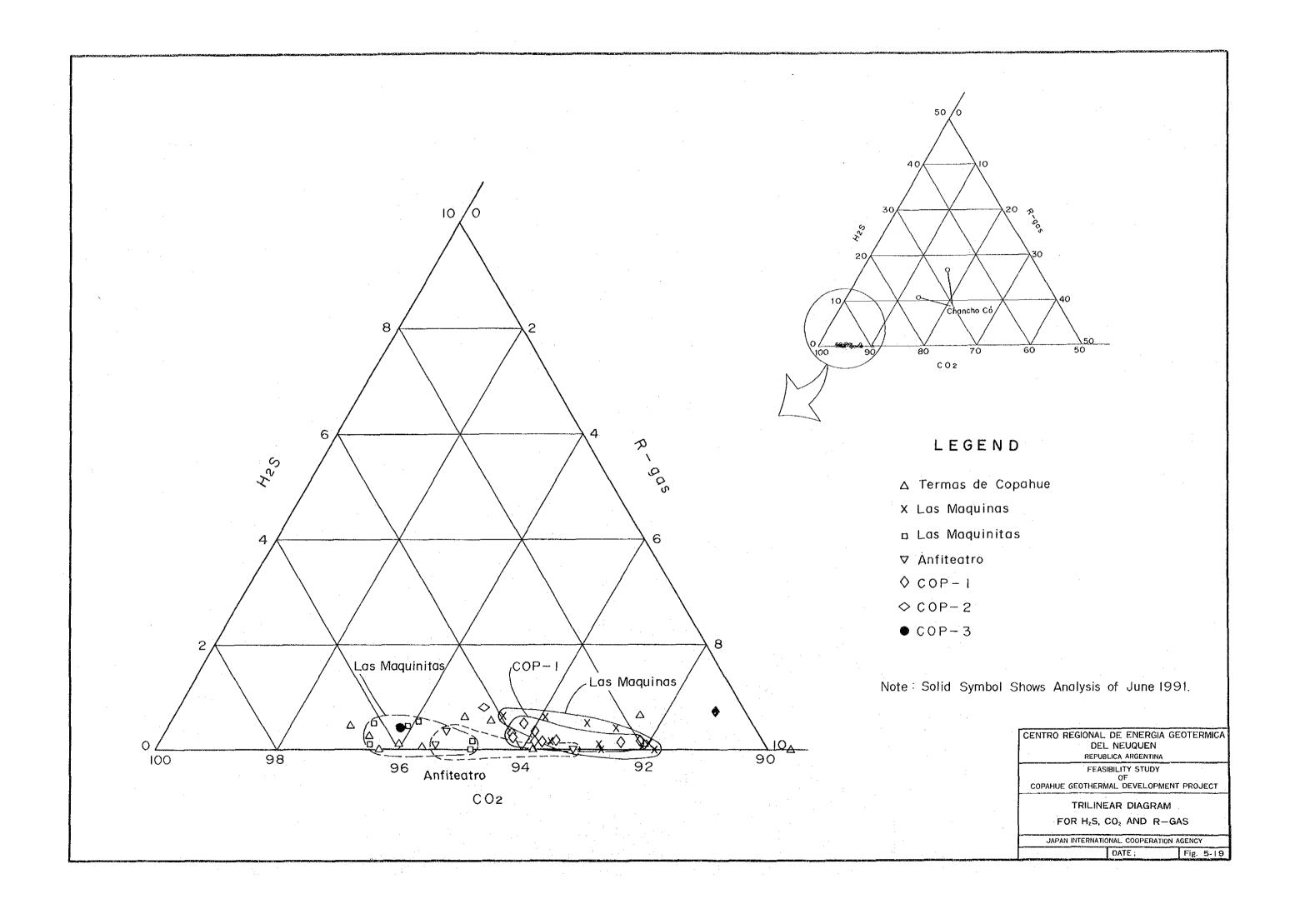
CENTRO	REGIONAL DE ENERGIA GEOTERMICA
	DEL NEUQUEN
	REPUBLICA ARGENTINA
	FEASIBILITY STUDY
	OF
COPAHU	JE GEOTHERMAL DEVELOPMENT PROJECT
	KEY DIAGRAM OF

CHEMICAL COMPOSITION JAPAN INTERNATIONAL COOPERATION AGENCY

DATE;







LEGEND

- Steam
- ♦ Hot Water
- O Hot Spring
- Cold Spring and River Water

(‰)	8 ¹⁸ 0		
-15	···IO	-5	7-40
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	7 7 100		
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	130 1-6 ('82/2) (33/2) 12 1-7 1-11		
1-8	I-16 I-24		
I-19	I-4('85/2)		
I-22	·		
I-21	I-23 ◆	•	-100
			(‰)
			1 (700)

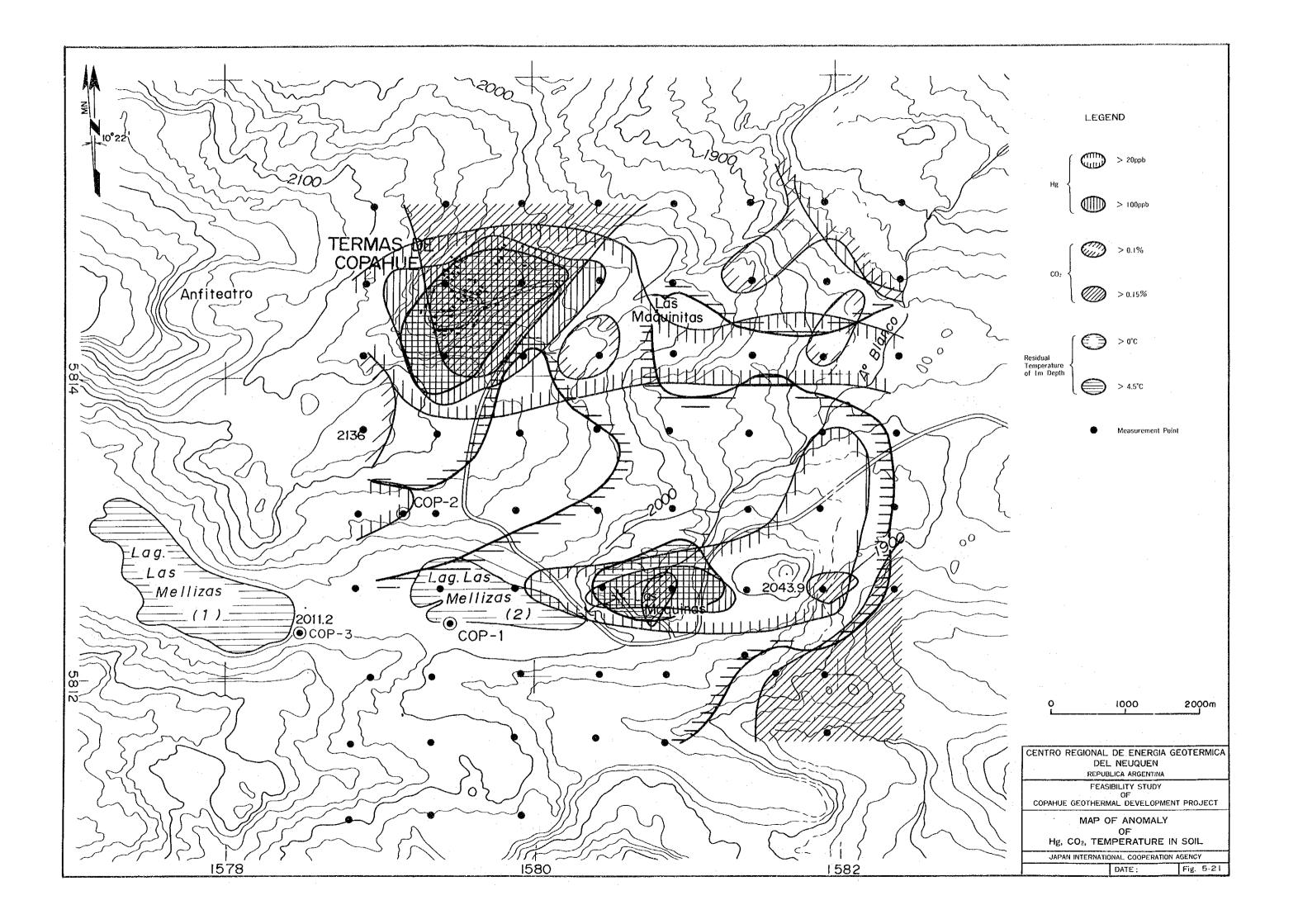
	الماكان في في من من من المن من المن المن المن المن ال
No.	Sampling number
n Fig.	in original data
I - 1	COP - I
1-2	COPA-2(=COP-I)
I - 3	COP - I
I - 4	COP - I
I- 5	COP - I
1- 6	COPA-I
I- 7	COPA-3
I - 8	COPA-20
I - 9	COPA-5
I - I O	COPA-6
I I I	COPA-4
1-15	COPA-7
I-13	COPA-9
I-14	CAVI-4
I-15	COPA-8
1-16	COPA-12
I-17	CAVI-I
1-18	VAF - I
I-19	CAVI-3
1-50	VAF - 2
1-21	CAVI-2
I-22	VAF - 3
I-23	COP-1 (JICA, 191/6)
I-24	COP-3(JICA, 191/6)
I -25	COP-3(JICA, '91/6)
	<u> </u>

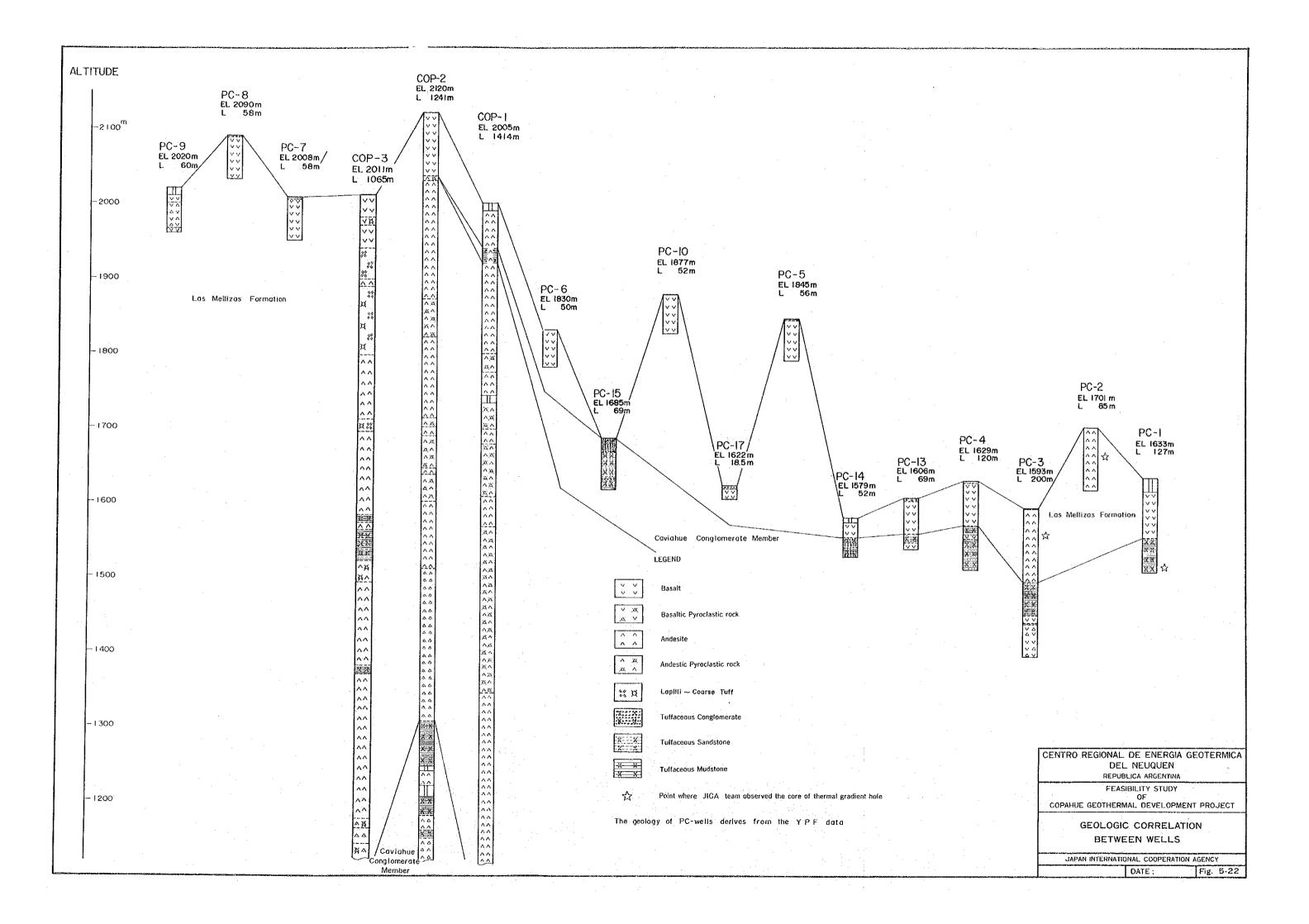
Note:

No.1-1 \sim 22; D' Amore et al. (1987)

(Reference No: C-18)

CENTRO REGIONAL DE ENERGIA GEOTERMICA				
DEL NEUQUEN				
REPUBLICA ARGENTINA				
FEASIBILITY STUDY				
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COPAHUE GEOTHERMAL DEVELOPME	NT PROJECT			
ISOTOPIC COMPOSITION				
OF				
WATER				
JAPAN INTERNATIONAL COOPERATION	AGENCY .			
DATE;	Fig. 5-20			





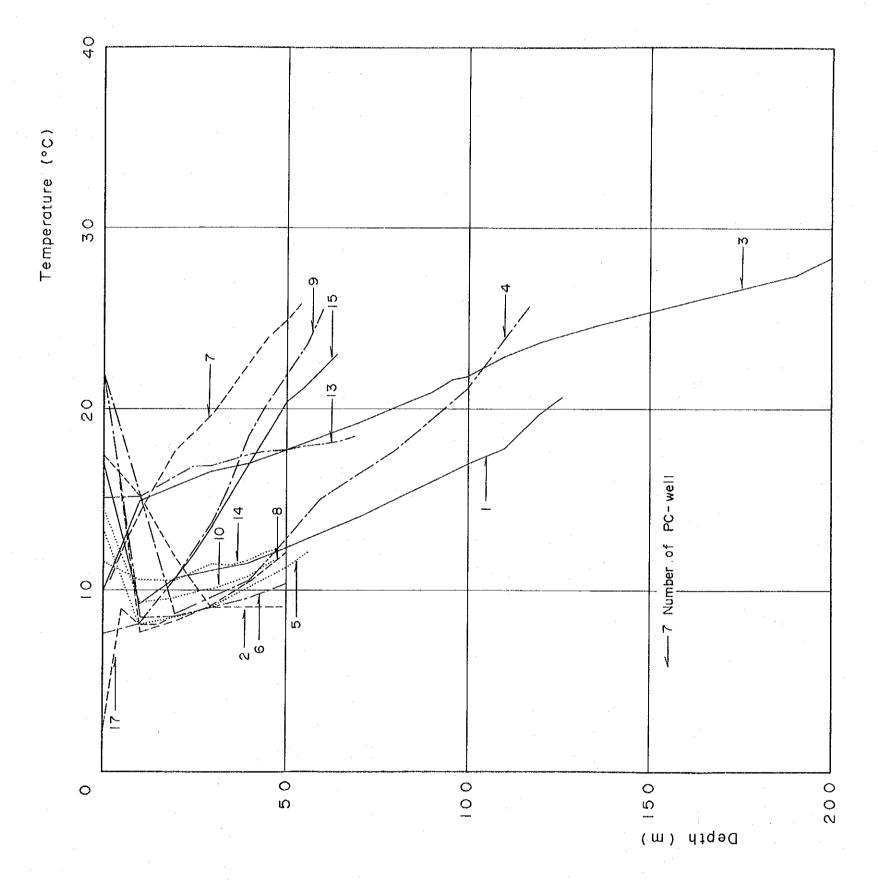
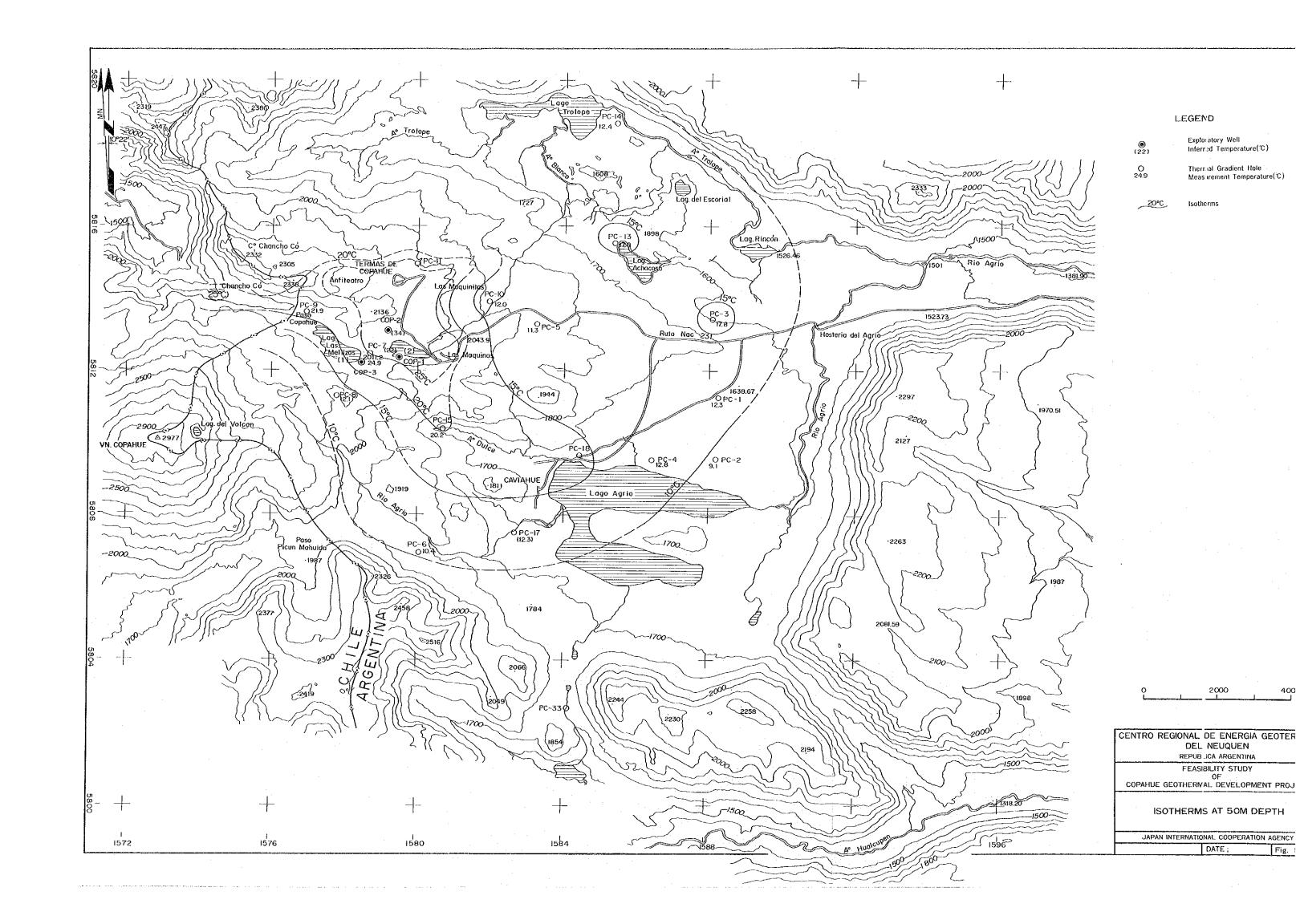
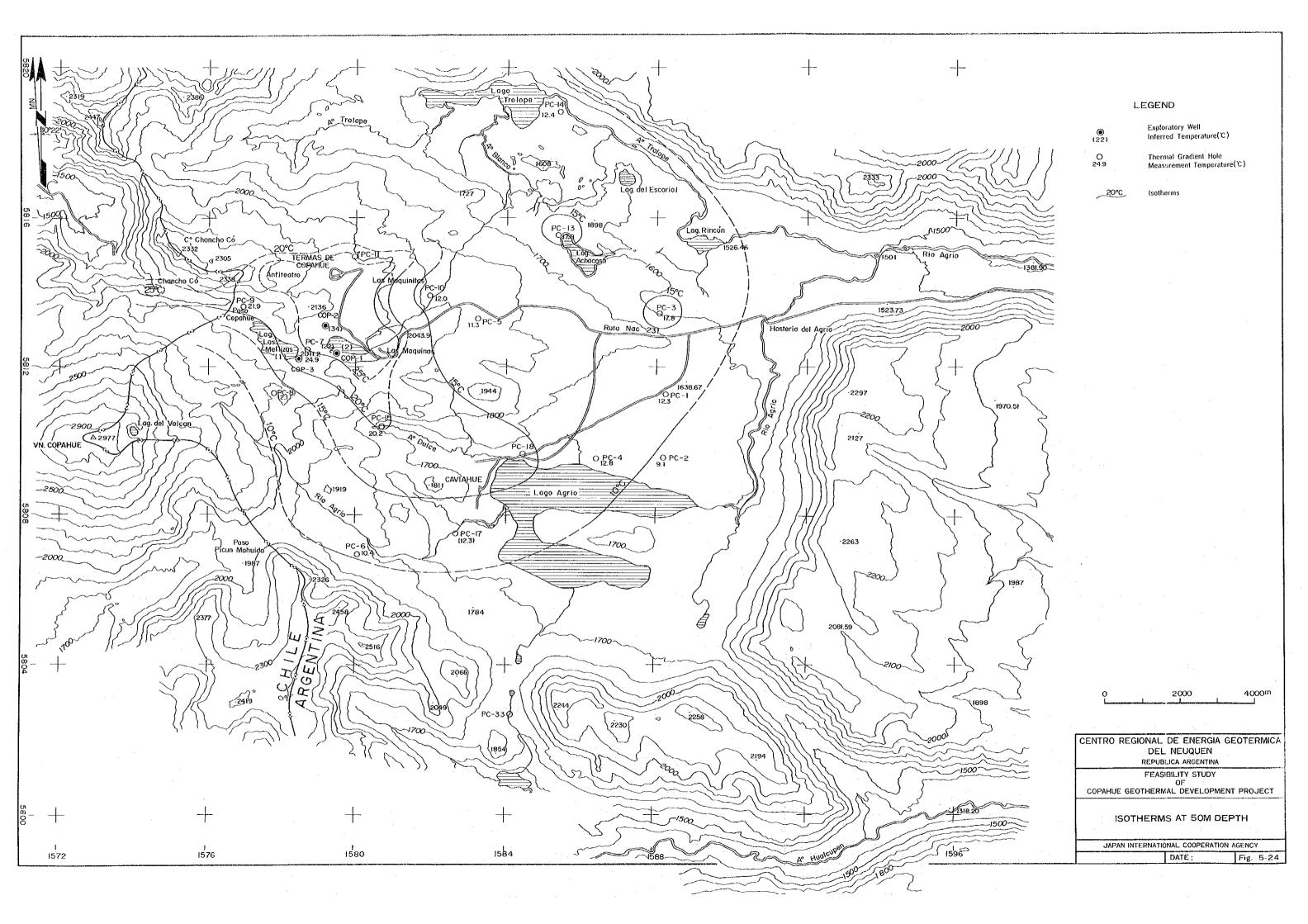


Fig. 5-23 Temperature vs Depth Diagram of Thermal Gradient Holes





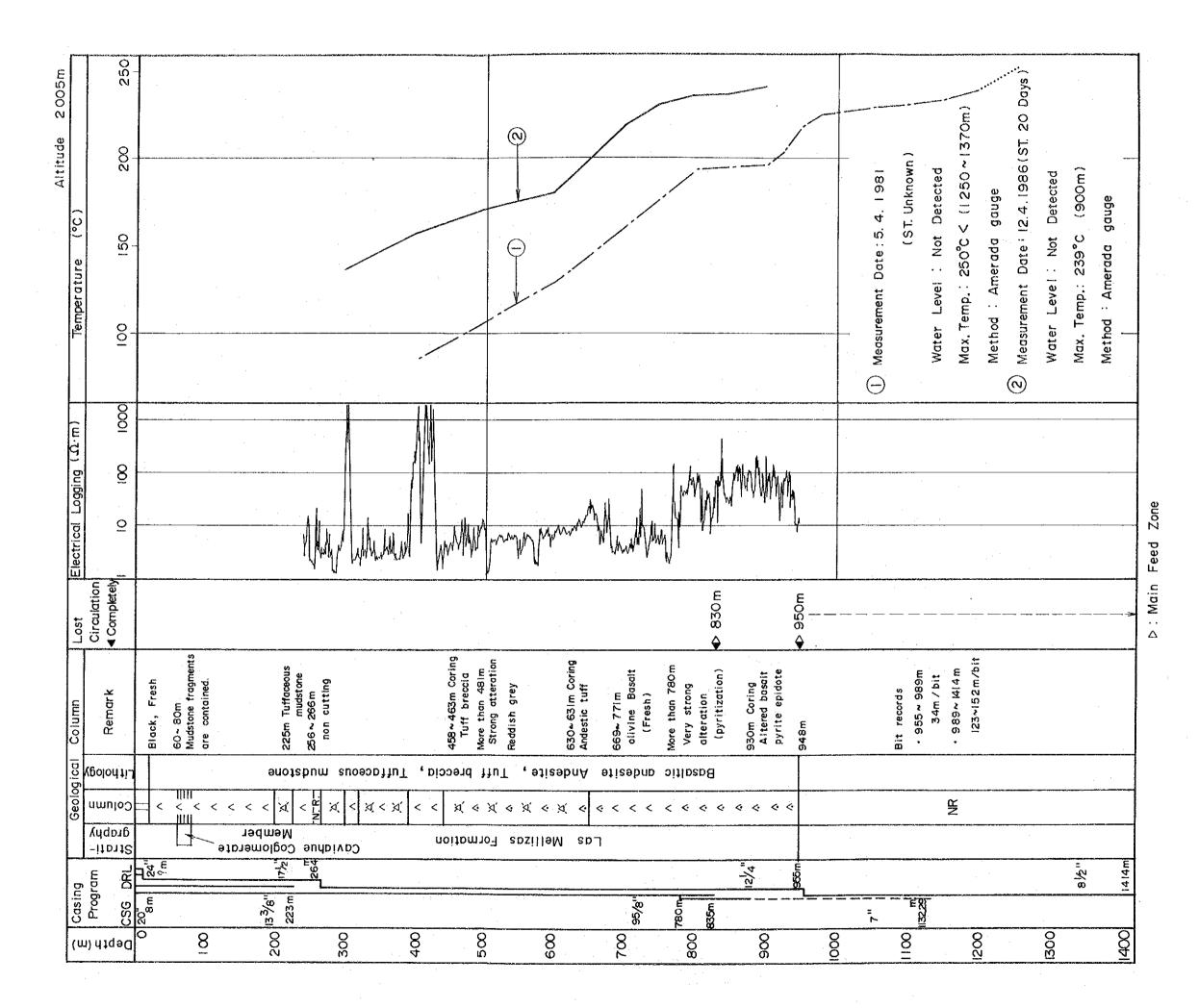


Fig. 5-25 Integrated Columnar Section of COP-1