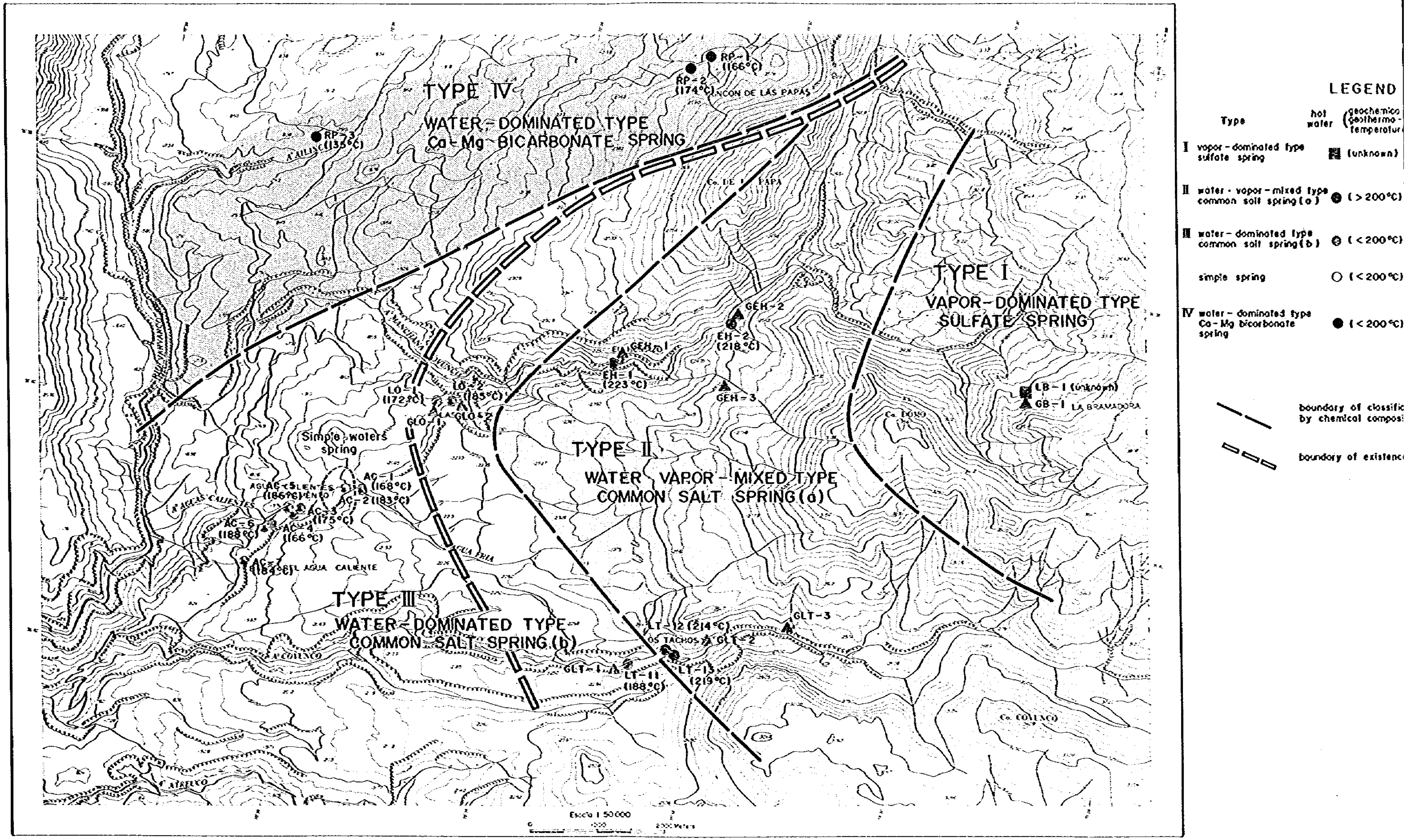


Fig.3-5-2 Composite map of zoning of hot spring - fumarole and geochemical geothermo-temperature

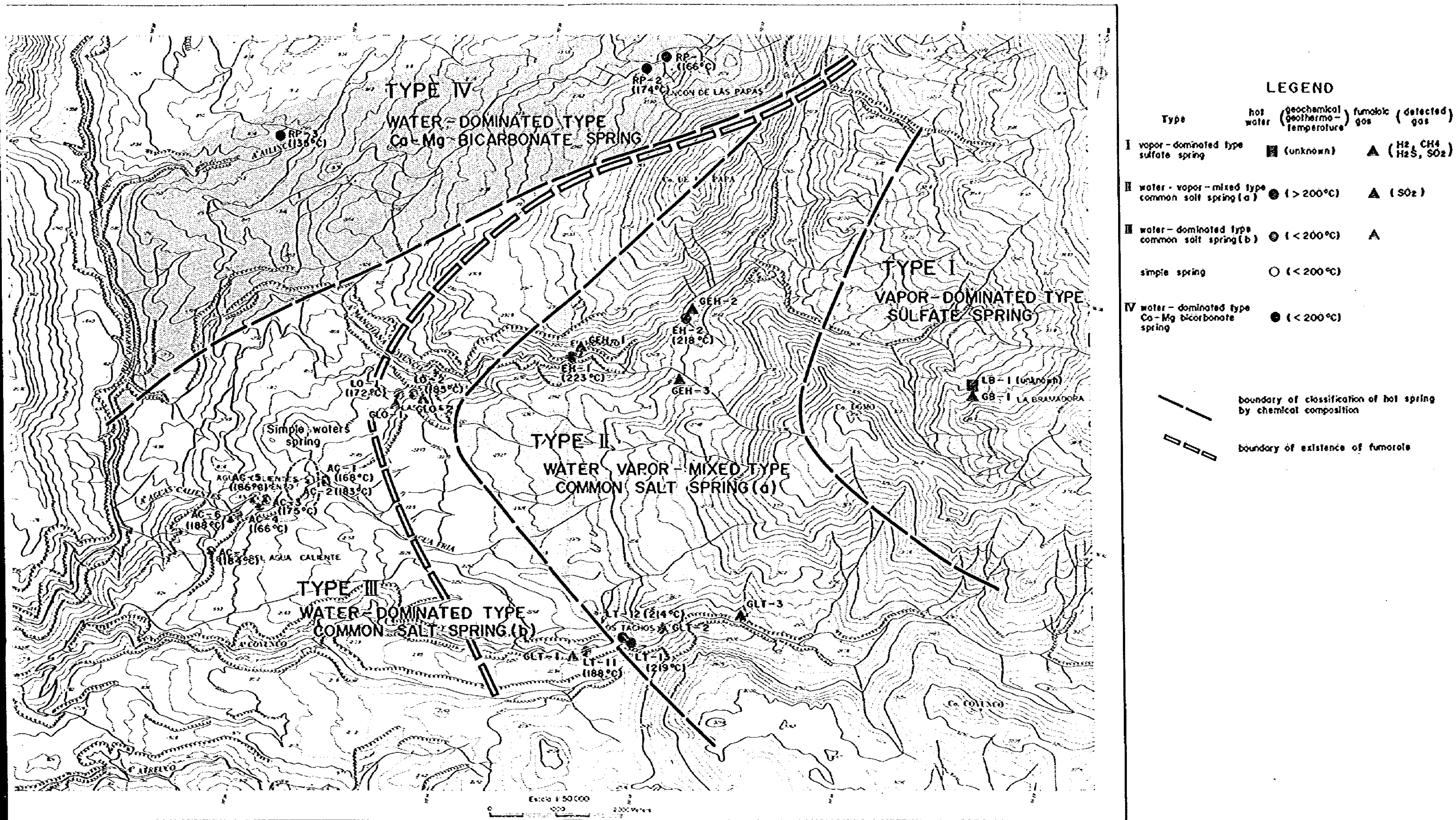


Fig.3-5-2 Composite map of zoning of hot spring - fumarole and geochemical geothermo-temperature

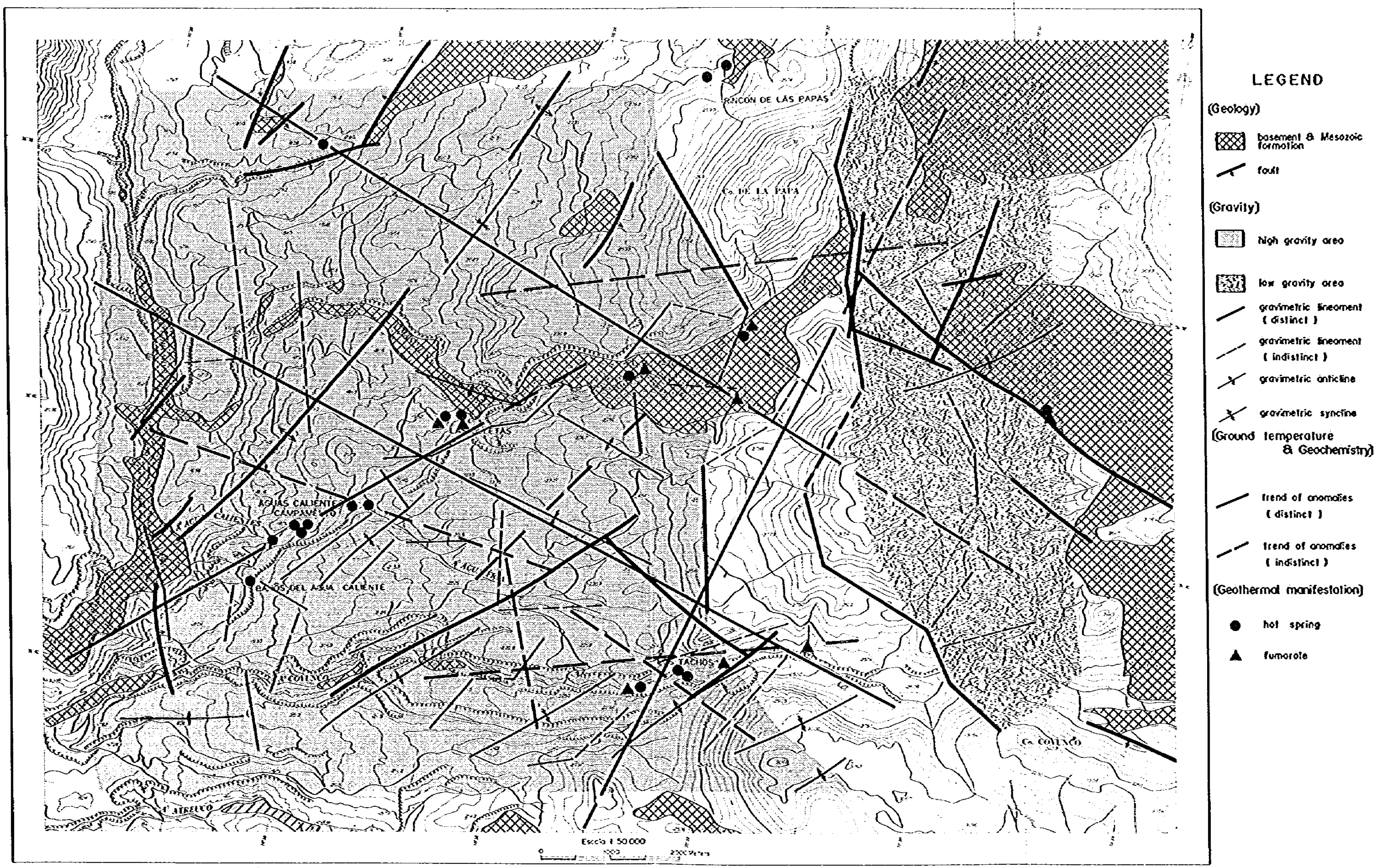


Fig.3-6-1 Synthetic interpretation map of geologic structure

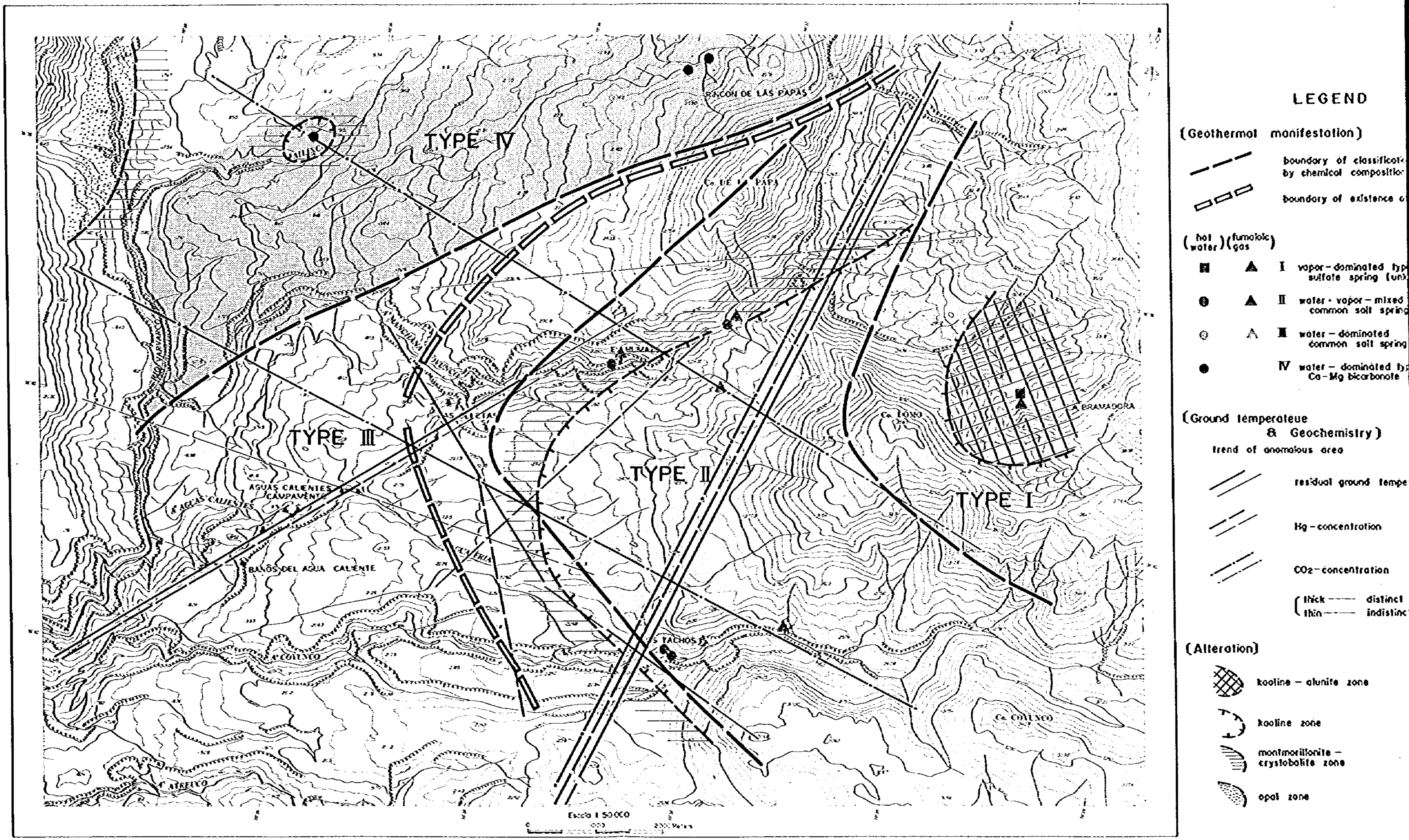


Fig.3-6-2 Composite map of zoning of hot spring-fumarole and geochemical geothermo-temperature

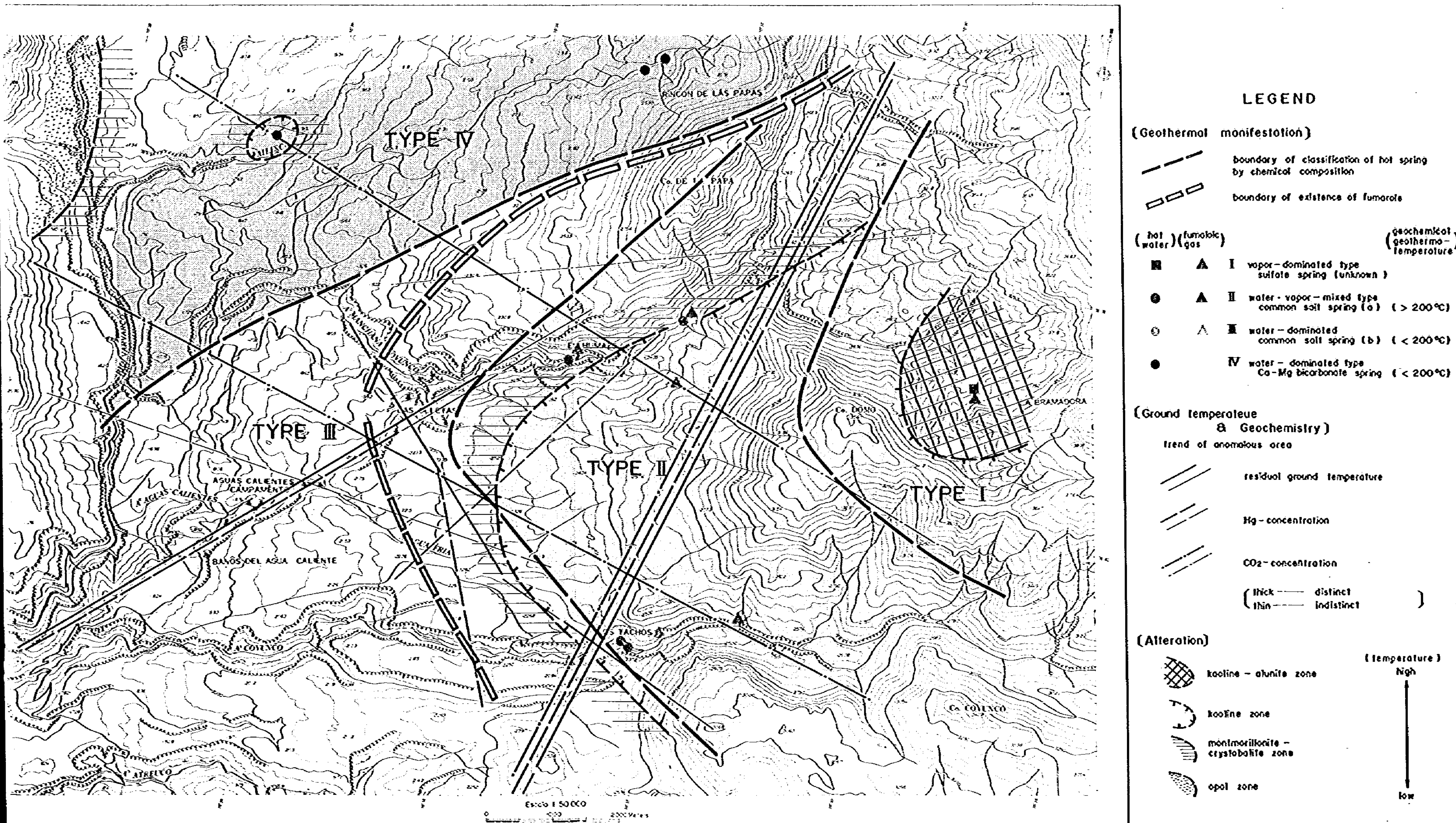


Fig.3-6-2 Composite map of zoning of hot spring-fumarole and geochemical geothermo-temperature

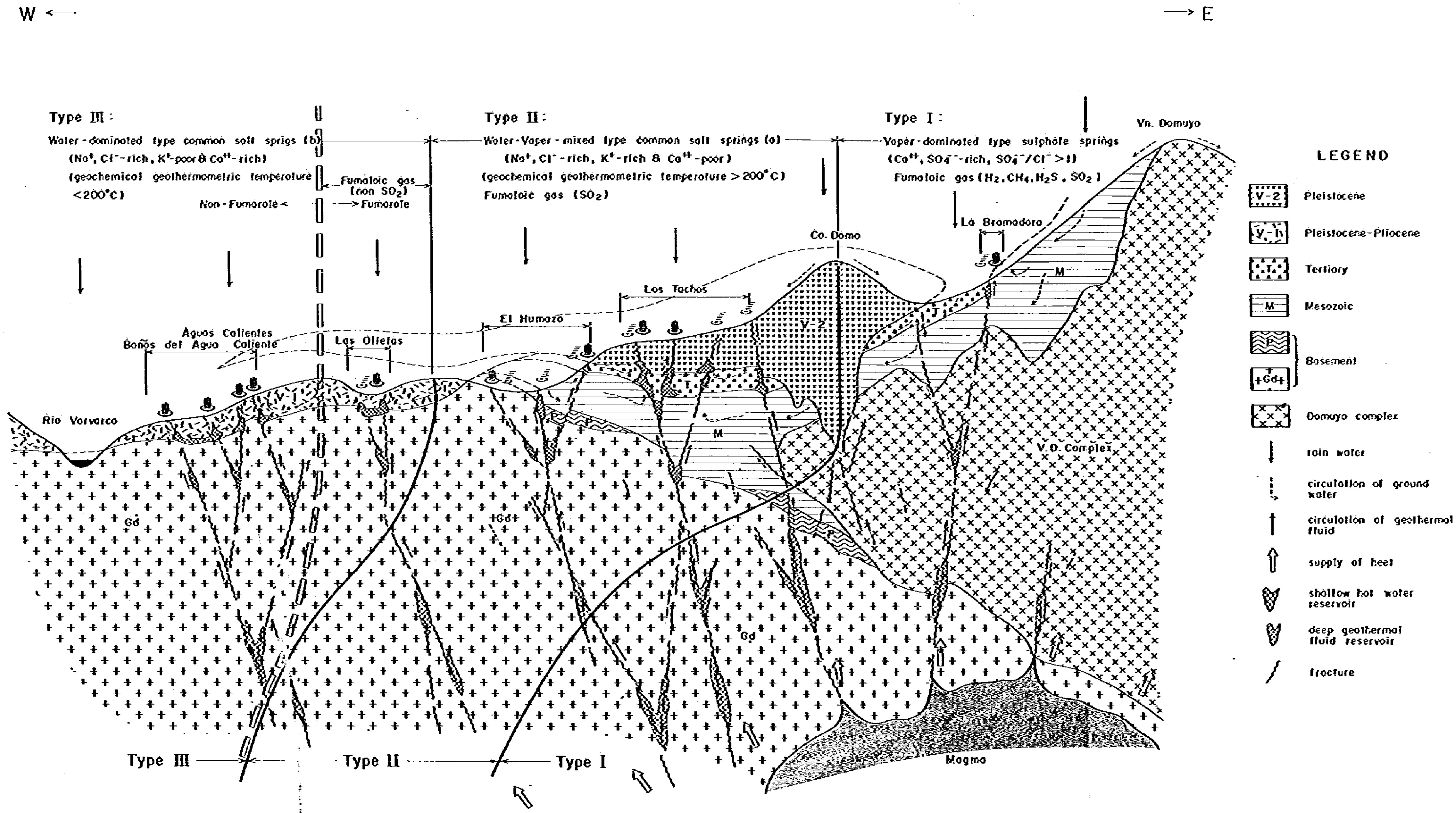


Fig.3-6-3 Model of circulation mechanism of geothermal fluid and geothermal reservoir structure (I)

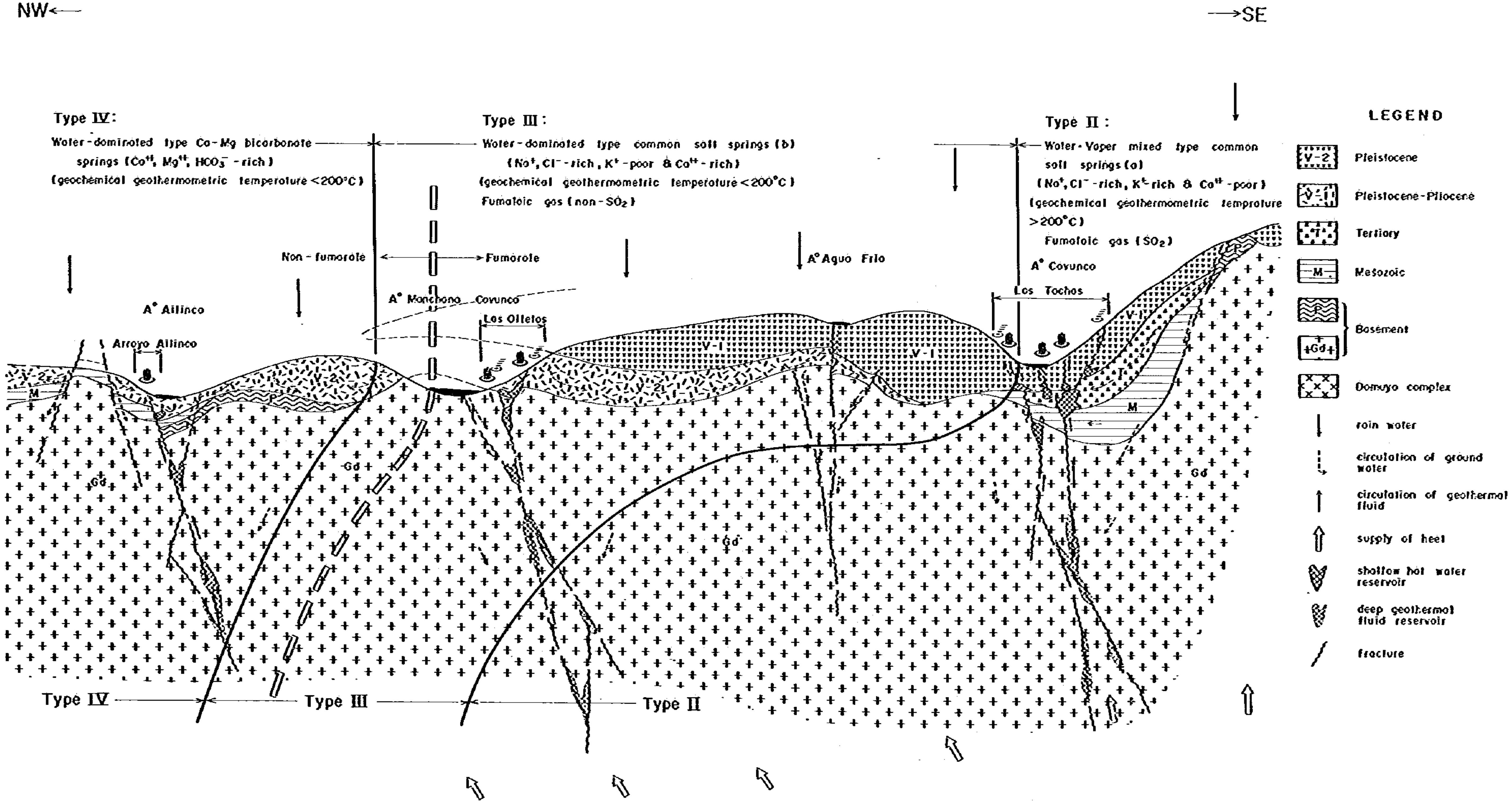
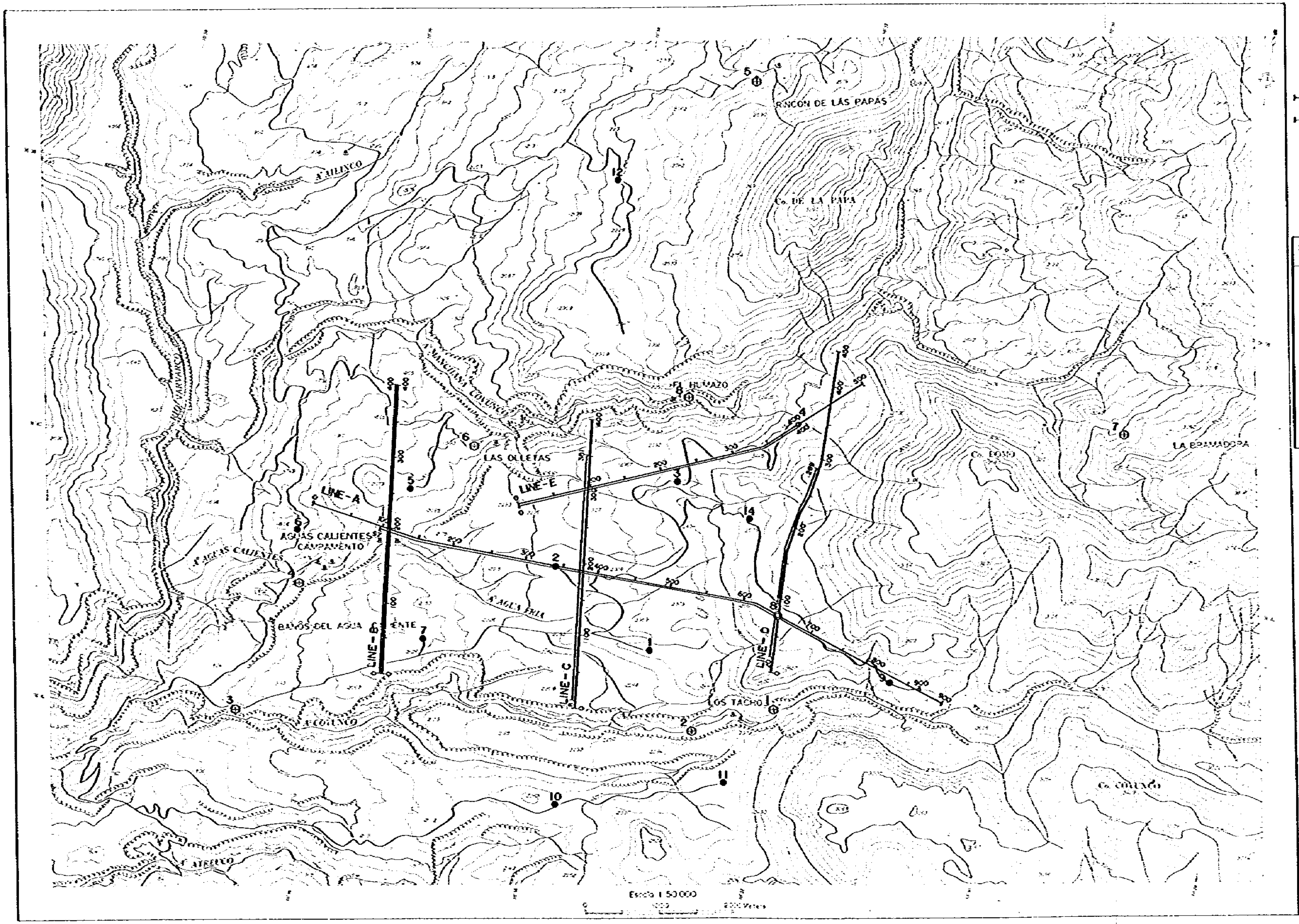


Fig.3-6-4 Model of circulation mechanism of geothermal fluid and geothermal reservoir structure (2)

4. The Third Phase Survey



LEGEND

Resistivity line

Seismic line

100 meter depth hole

400 meter depth hole

Water sampling for isotopic analysis

Sample No.	location
1	Los Tochos Grandes
2	Los Tochos Chicos
3	Los Tochos Vertiente de Agua Fria
4	Aguas Calientes
5	Rincón de Los Papas Sur
6	Los Olletas
7	La Bramadora
8	El Humazo

Fig.4-1 Location map of the third phase survey

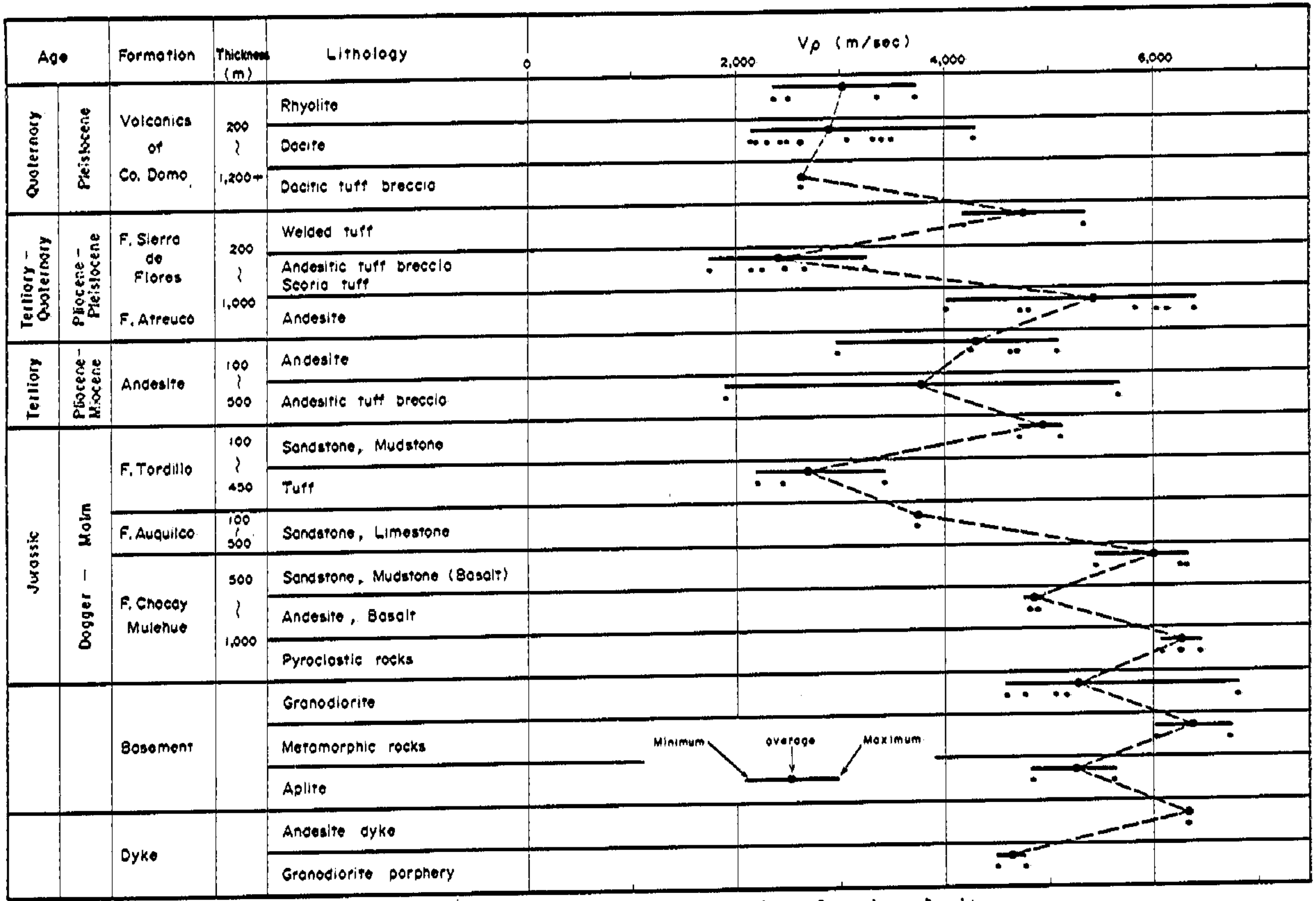


Fig. 4-1-1 Schematic columnar section of sonic velocity

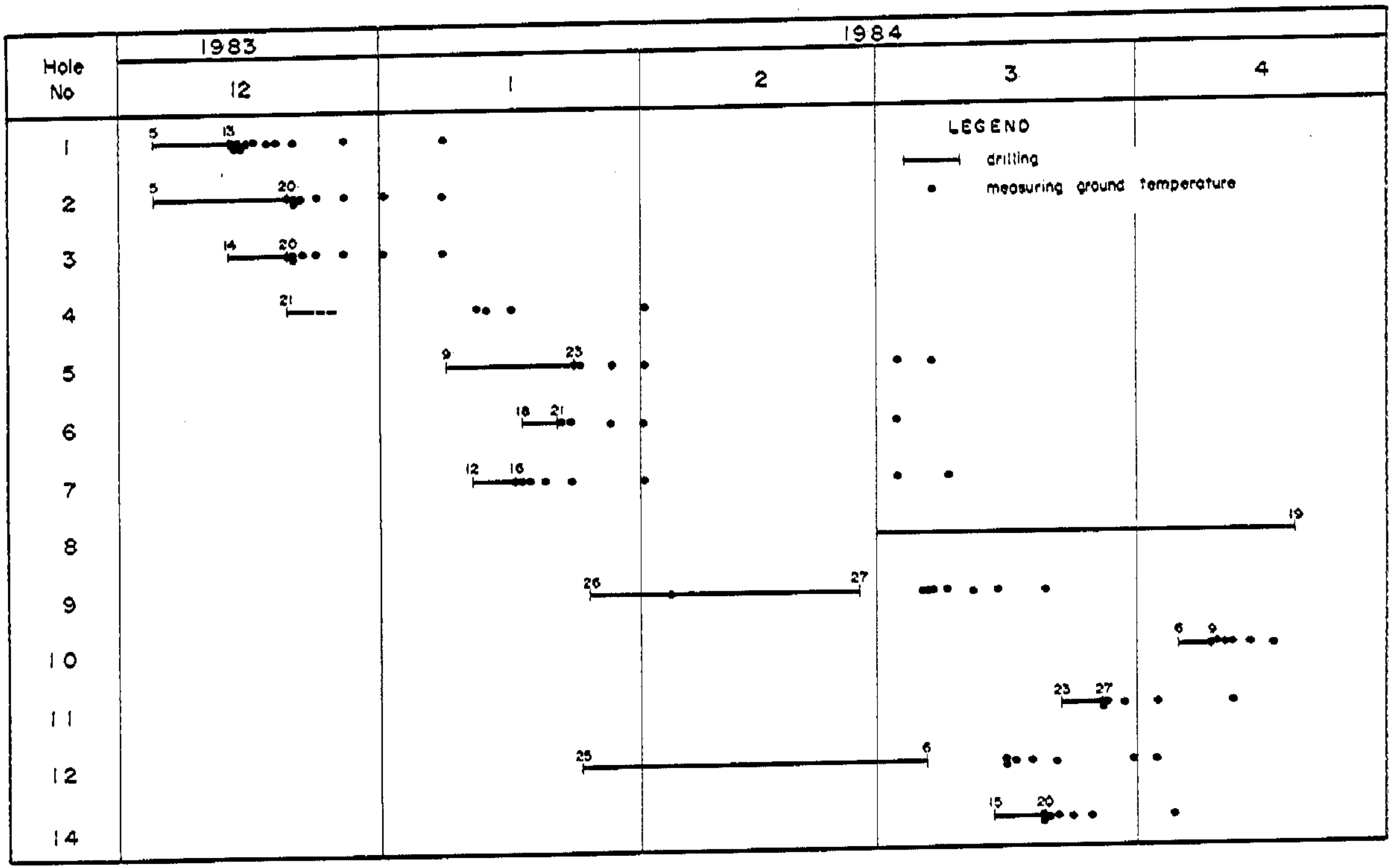


Fig. 4-2-1 Period of drilling and measuring ground temperature

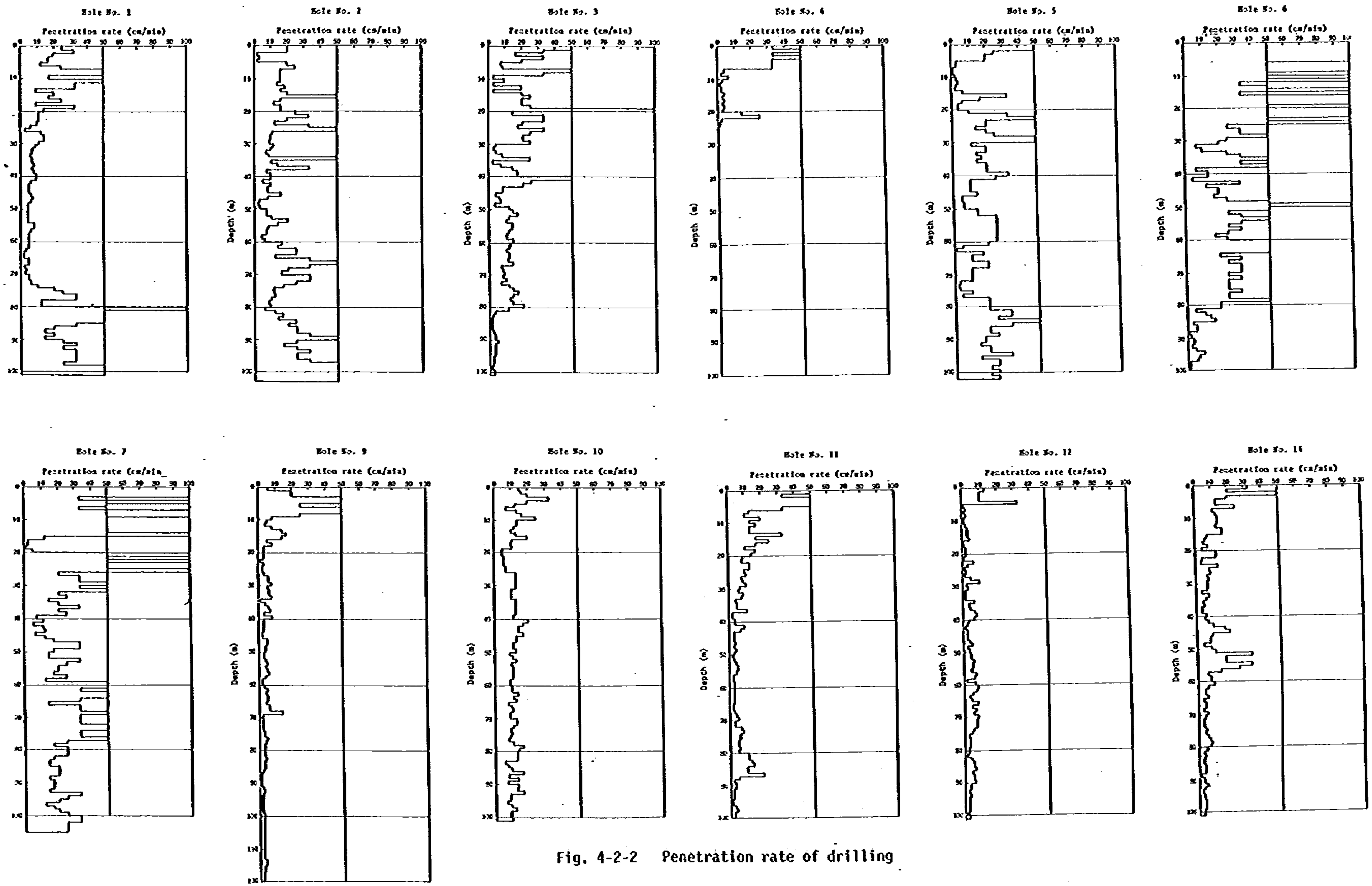
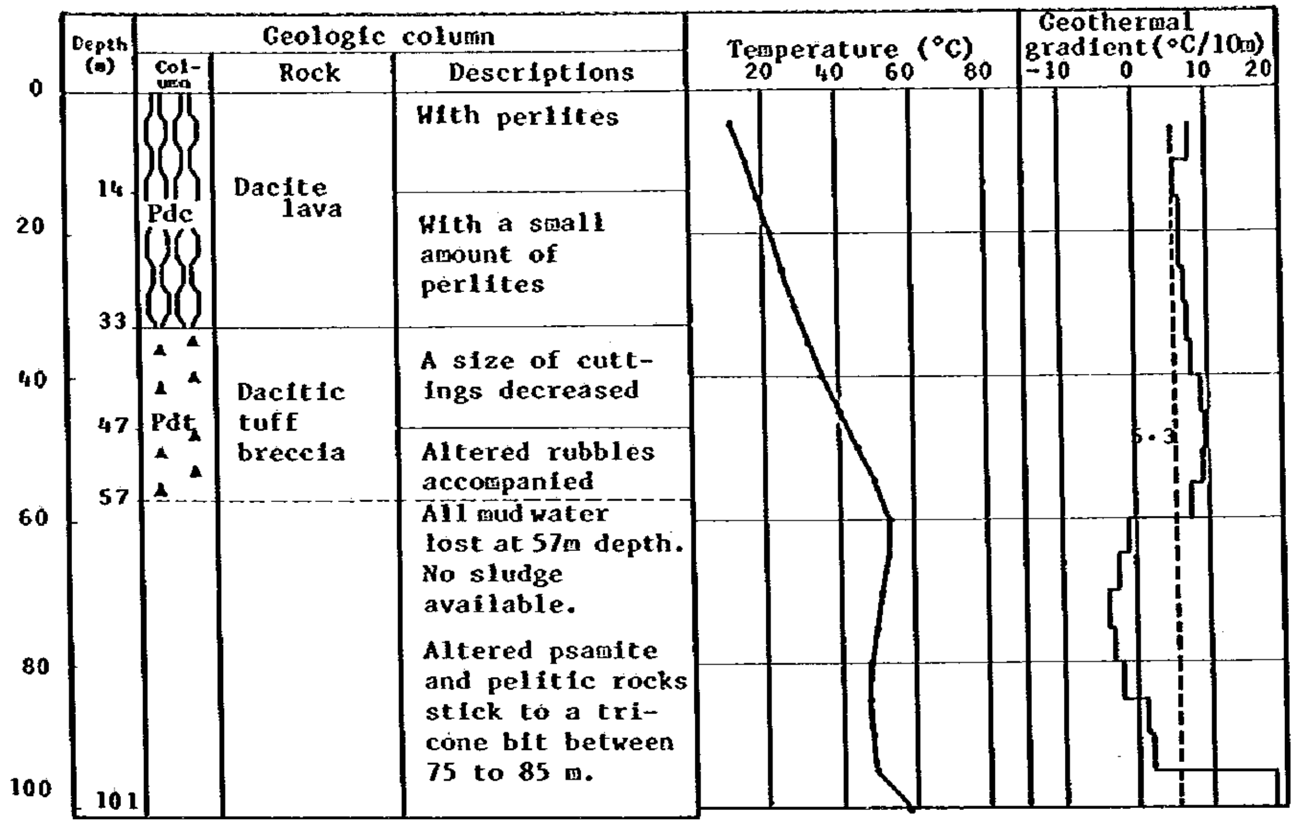


Fig. 4-2-2 Penetration rate of drilling

Hole No.1



Hole No.2

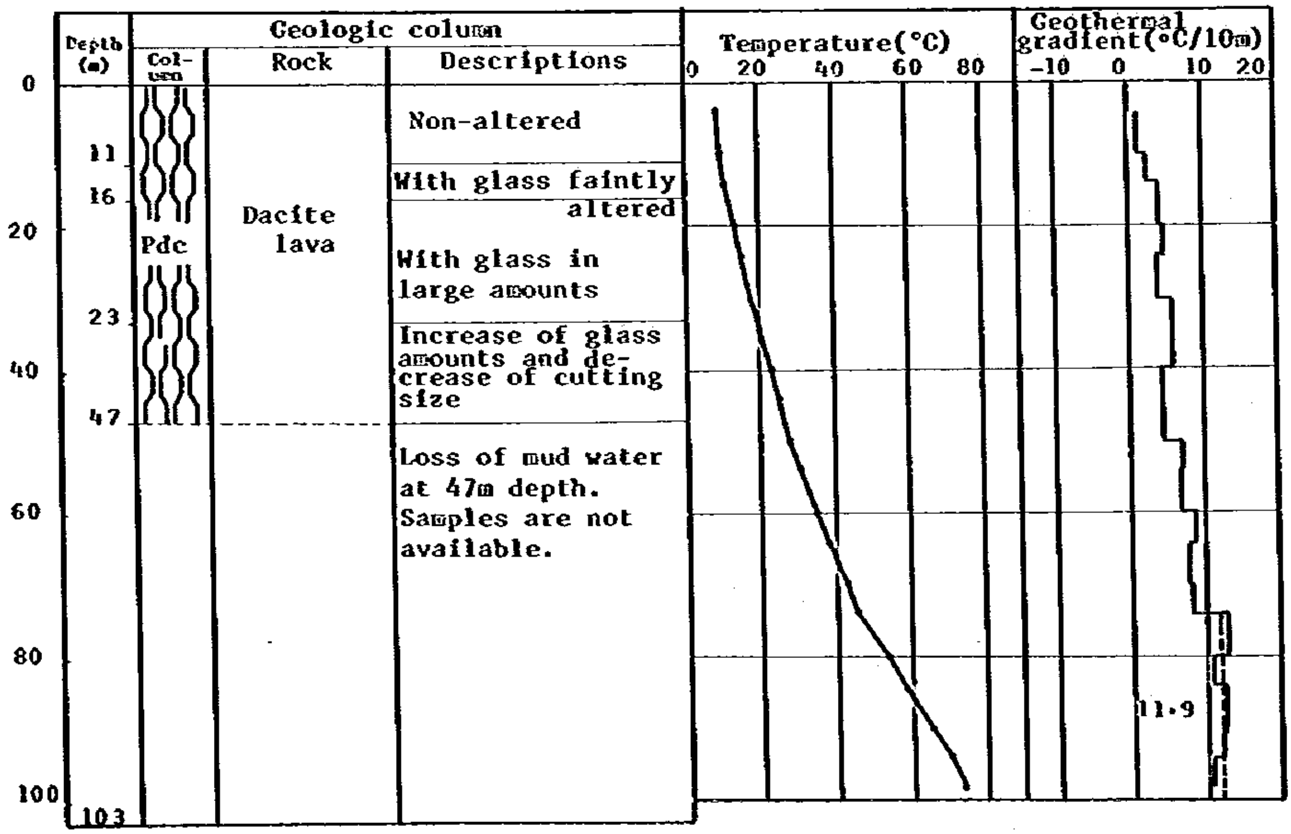
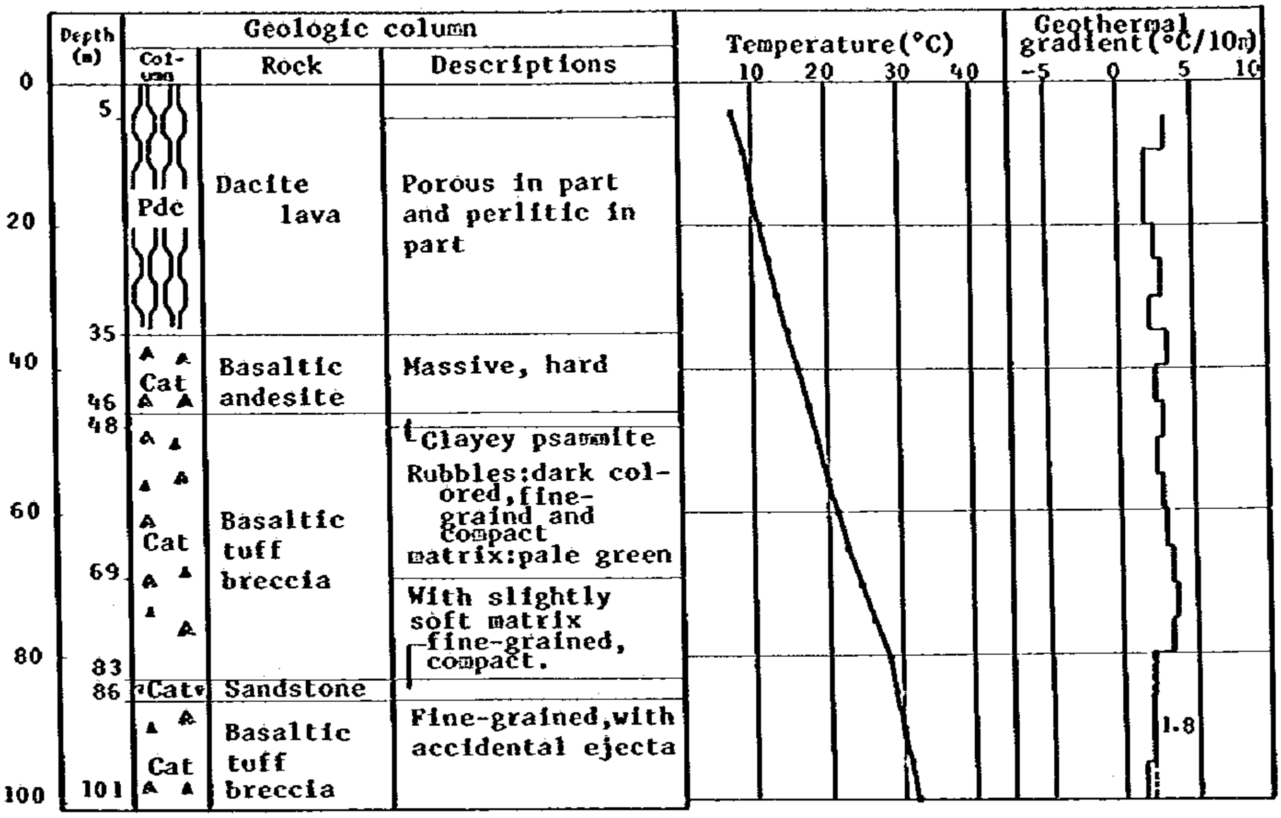


Fig. 4-2-3 (I) Geological logs (No.1 & No.2)

Hole No.3



Hole No.4

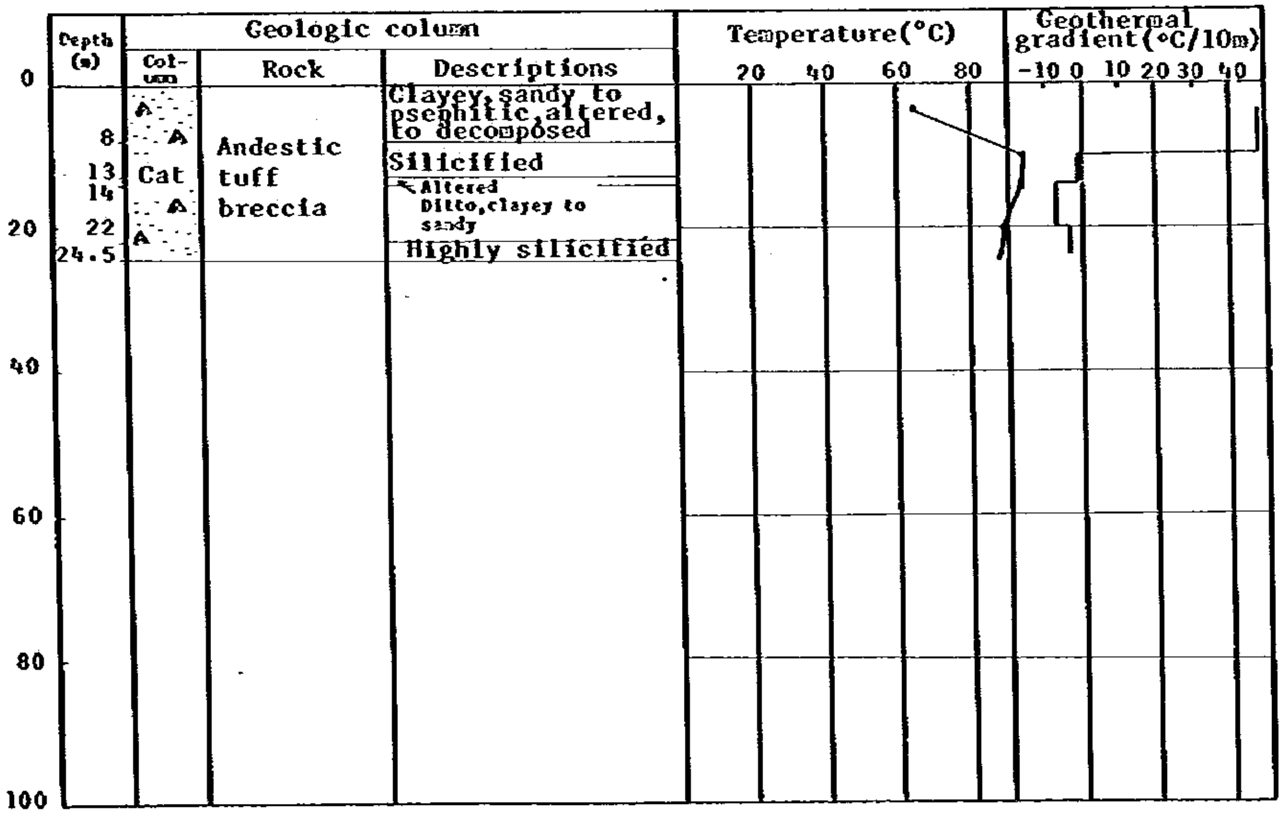
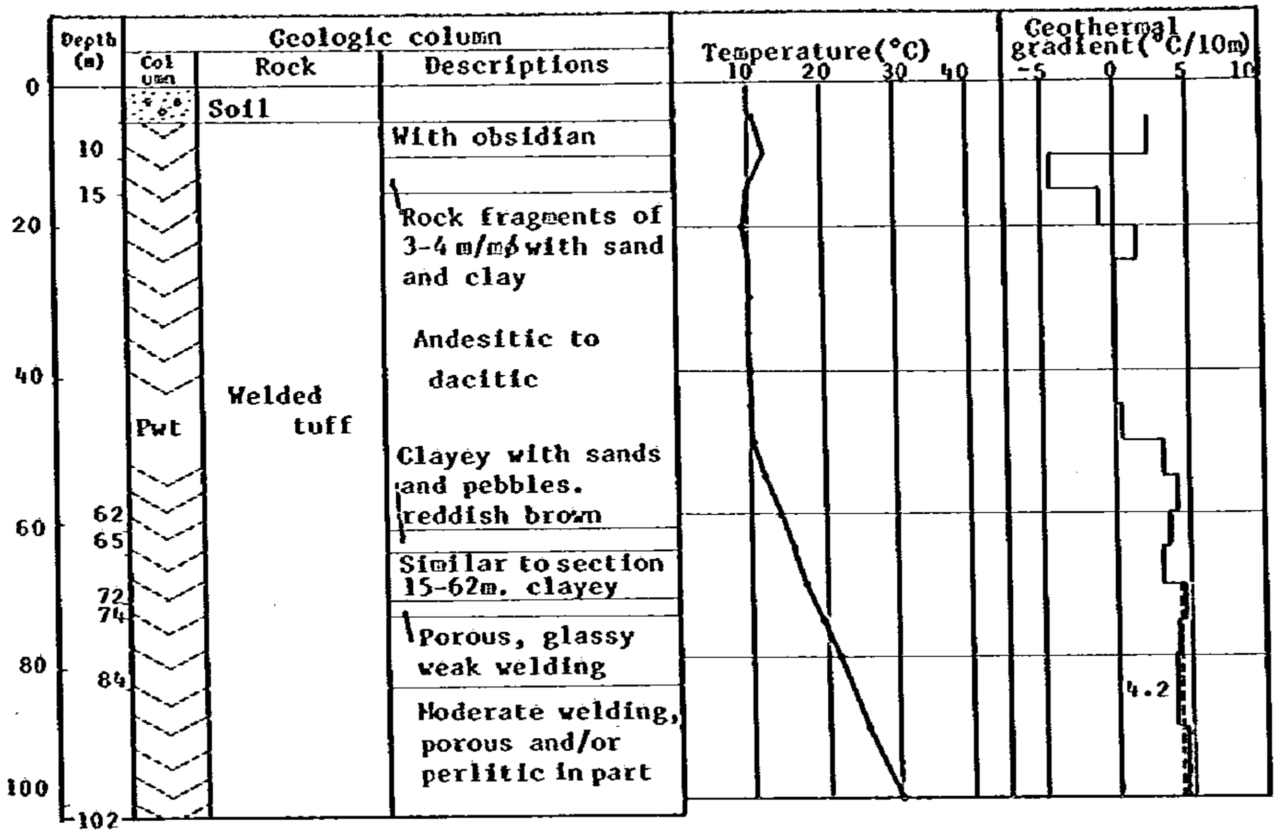


Fig. 4-2-3 (Ⅱ) Geological logs (No.3 & No.4)

Hole No.5



Hole No.6

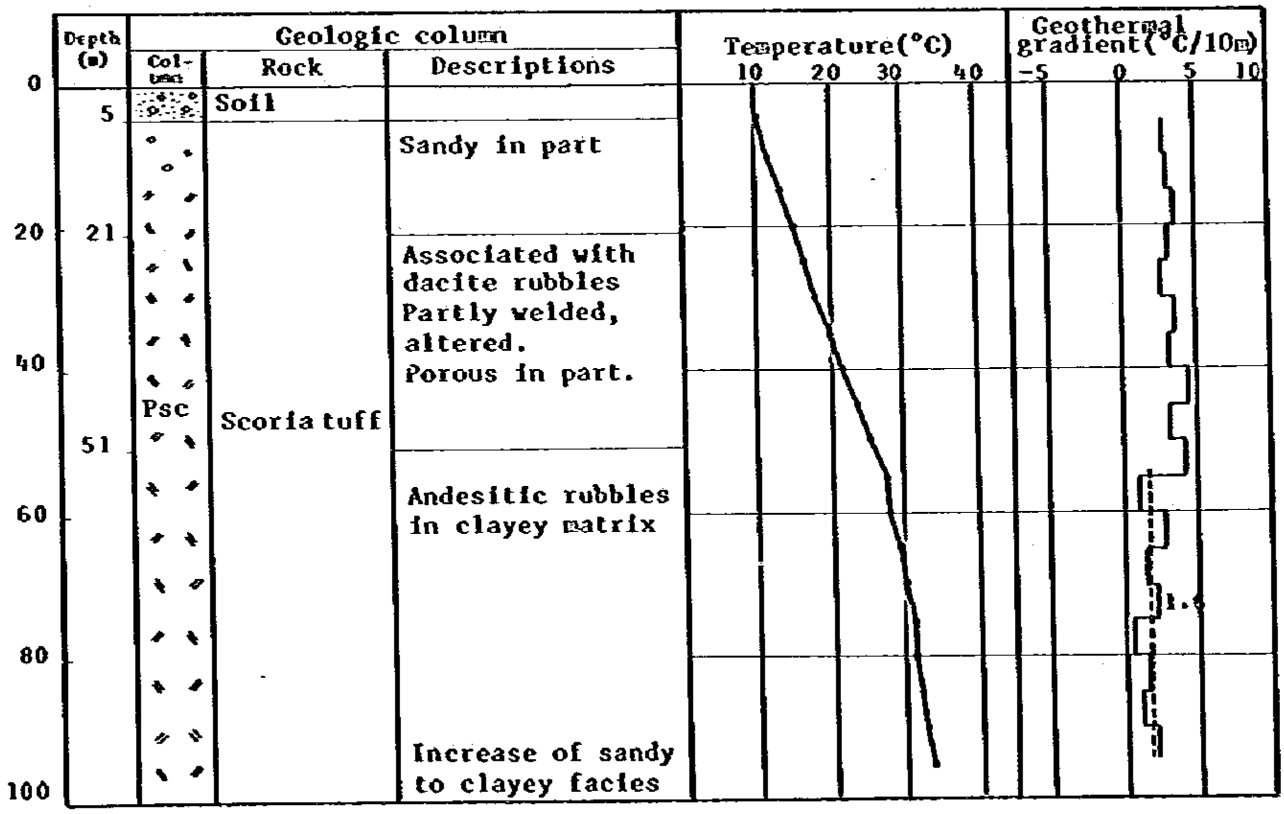
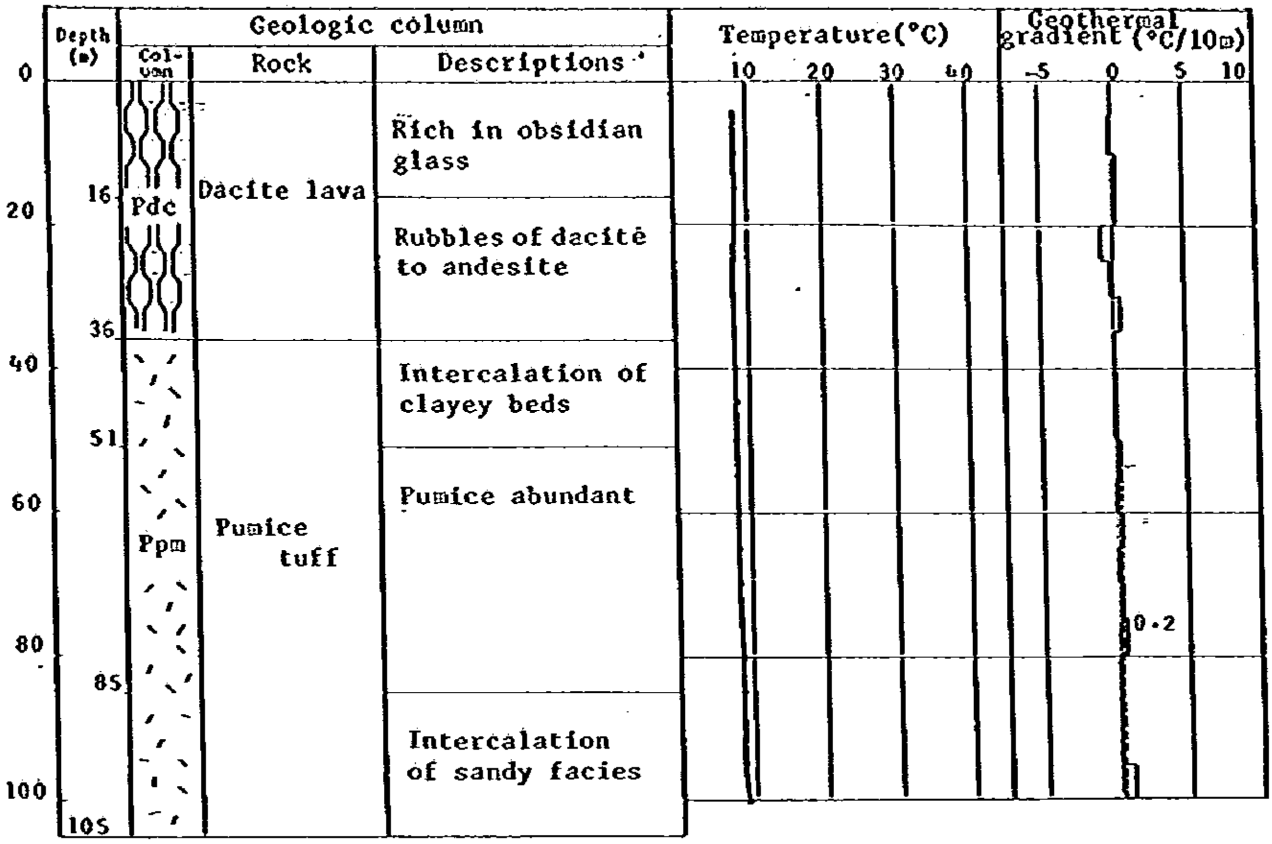


Fig. 4-2-3 (■) Geological logs (No.5 & No.6)

Hole No.7



Hole No. 9

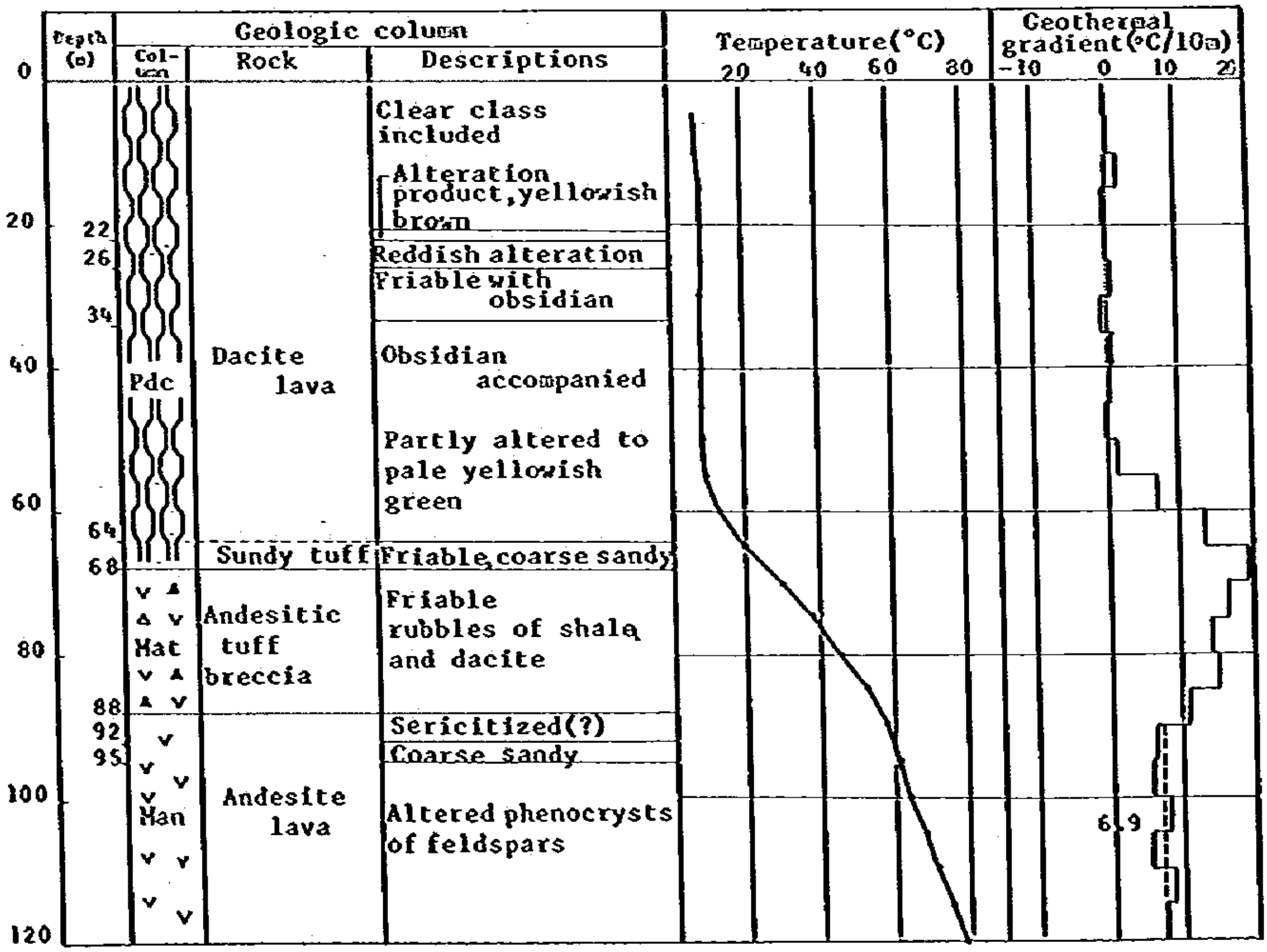
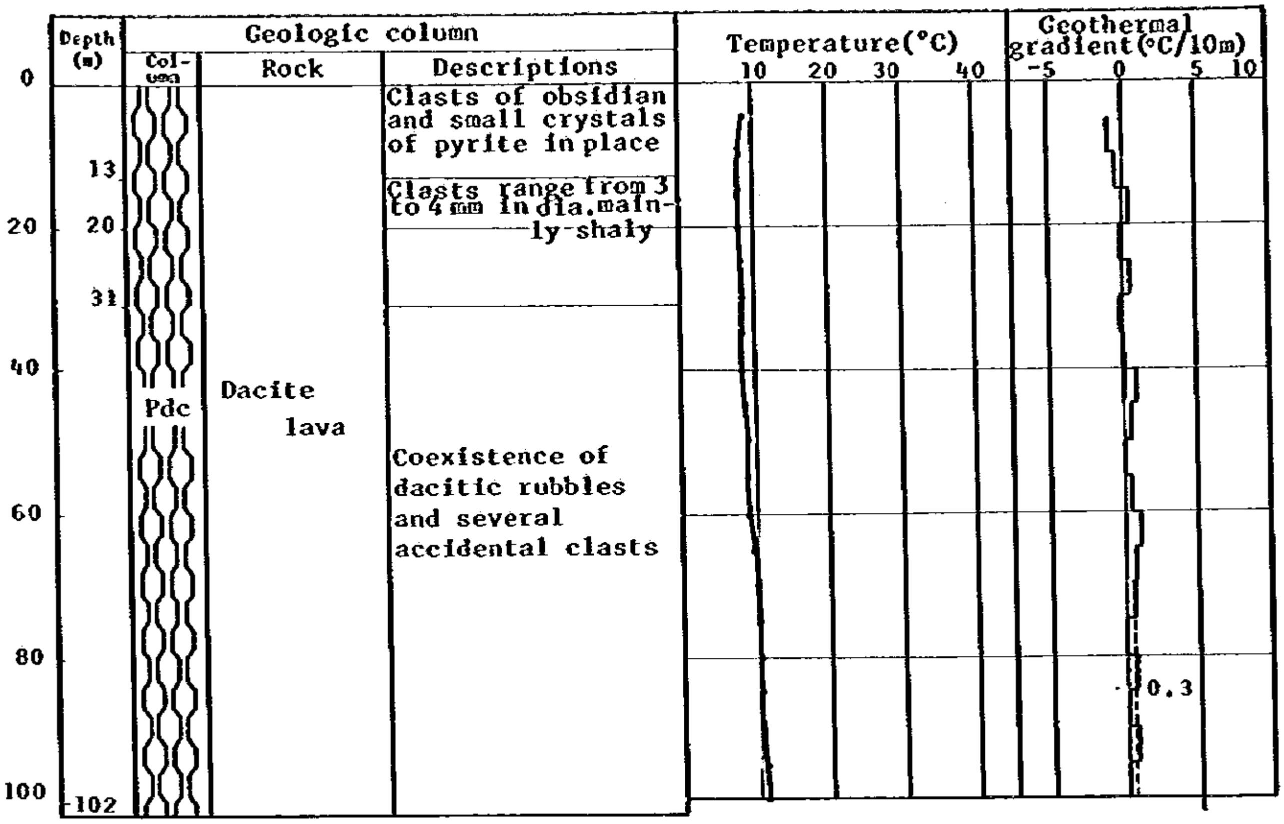


Fig. 4-2-3(N) Geological logs (No.7 & No.9)

Hole No.10



Hole No.11

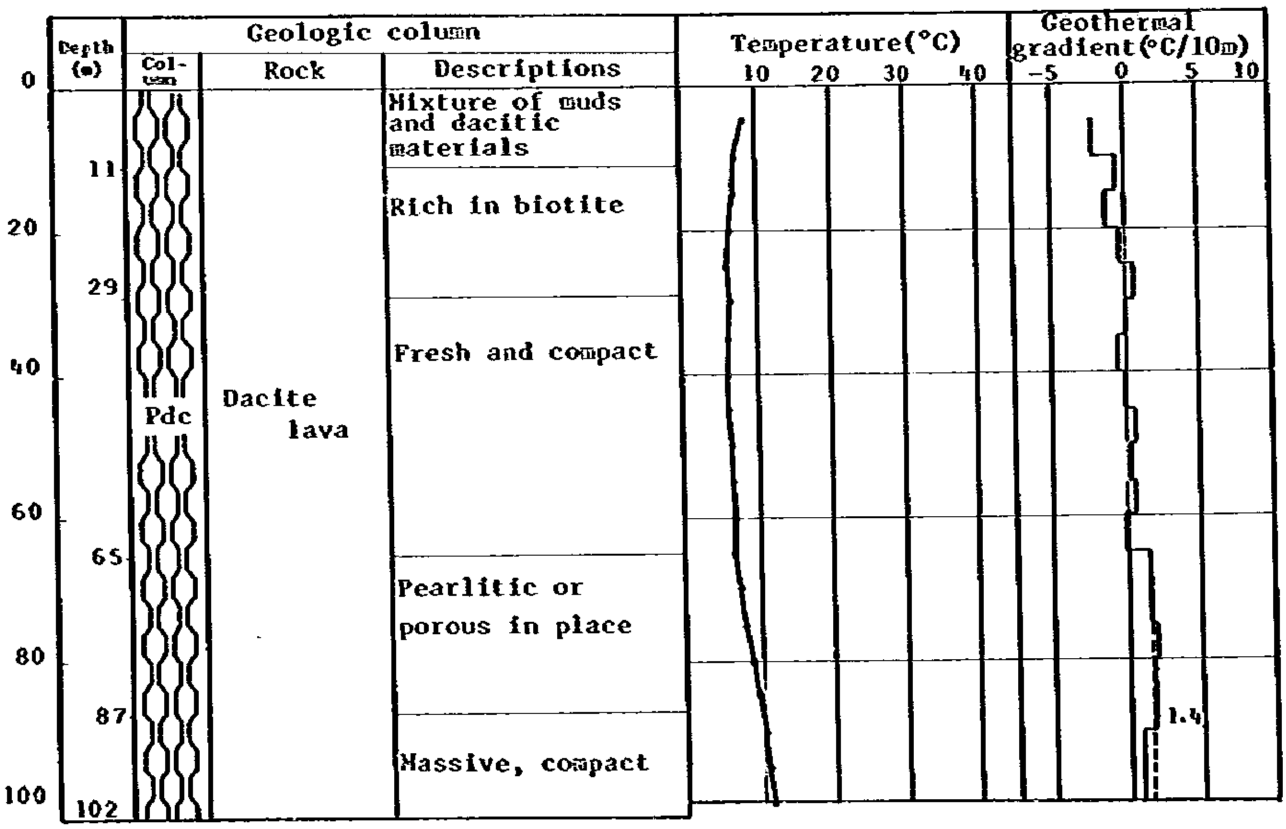
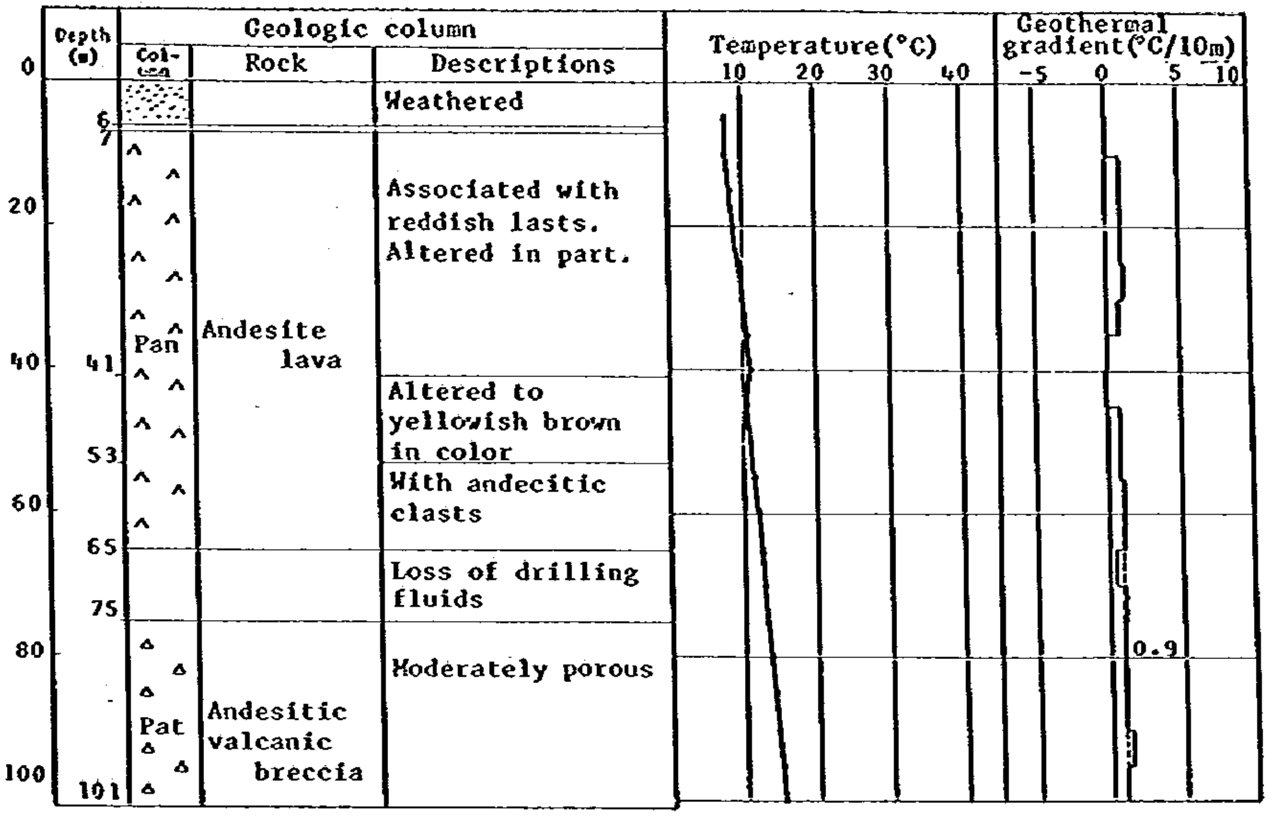


Fig. 4-2-3 (V) Geological logs (No.10 & No.11)

Hole No.12



Hole No.14

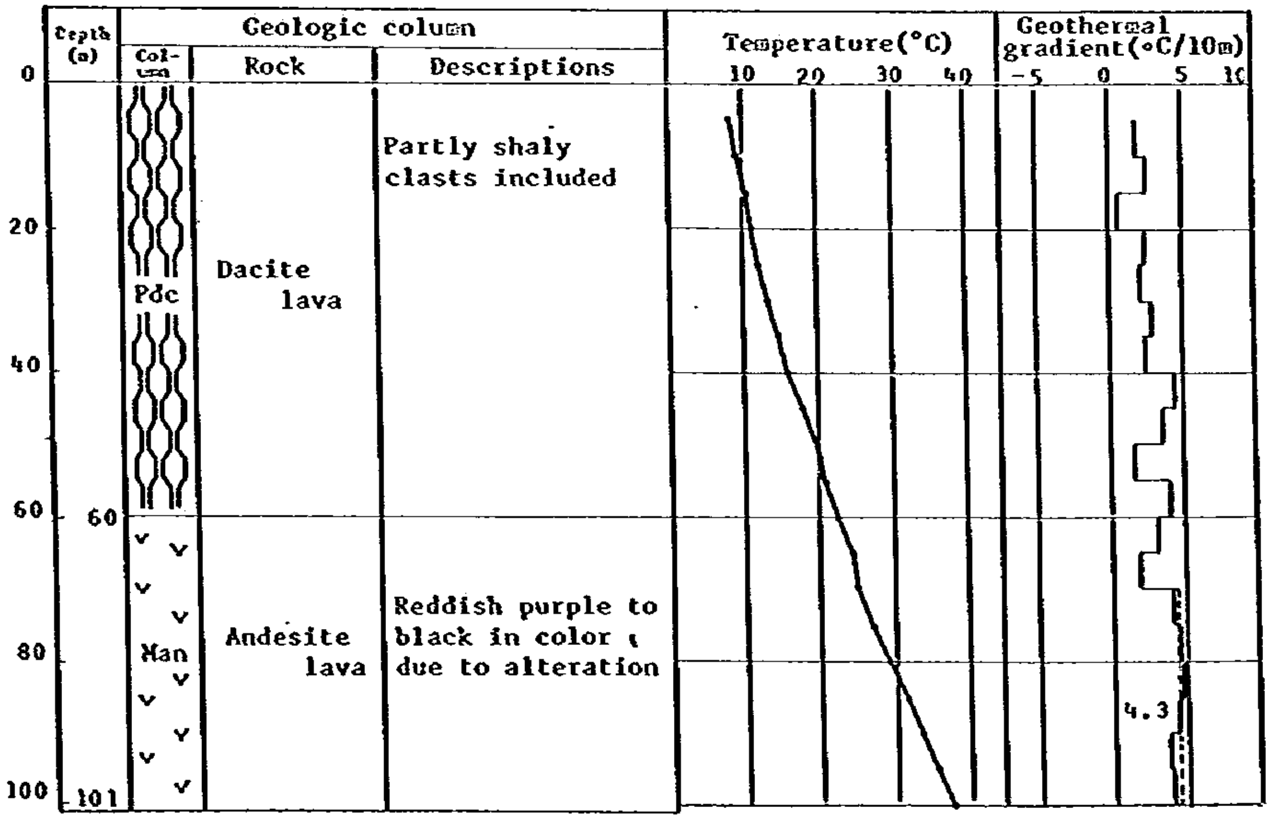


Fig. 4-2-3 (M) Geological logs (No.12 & No.14)

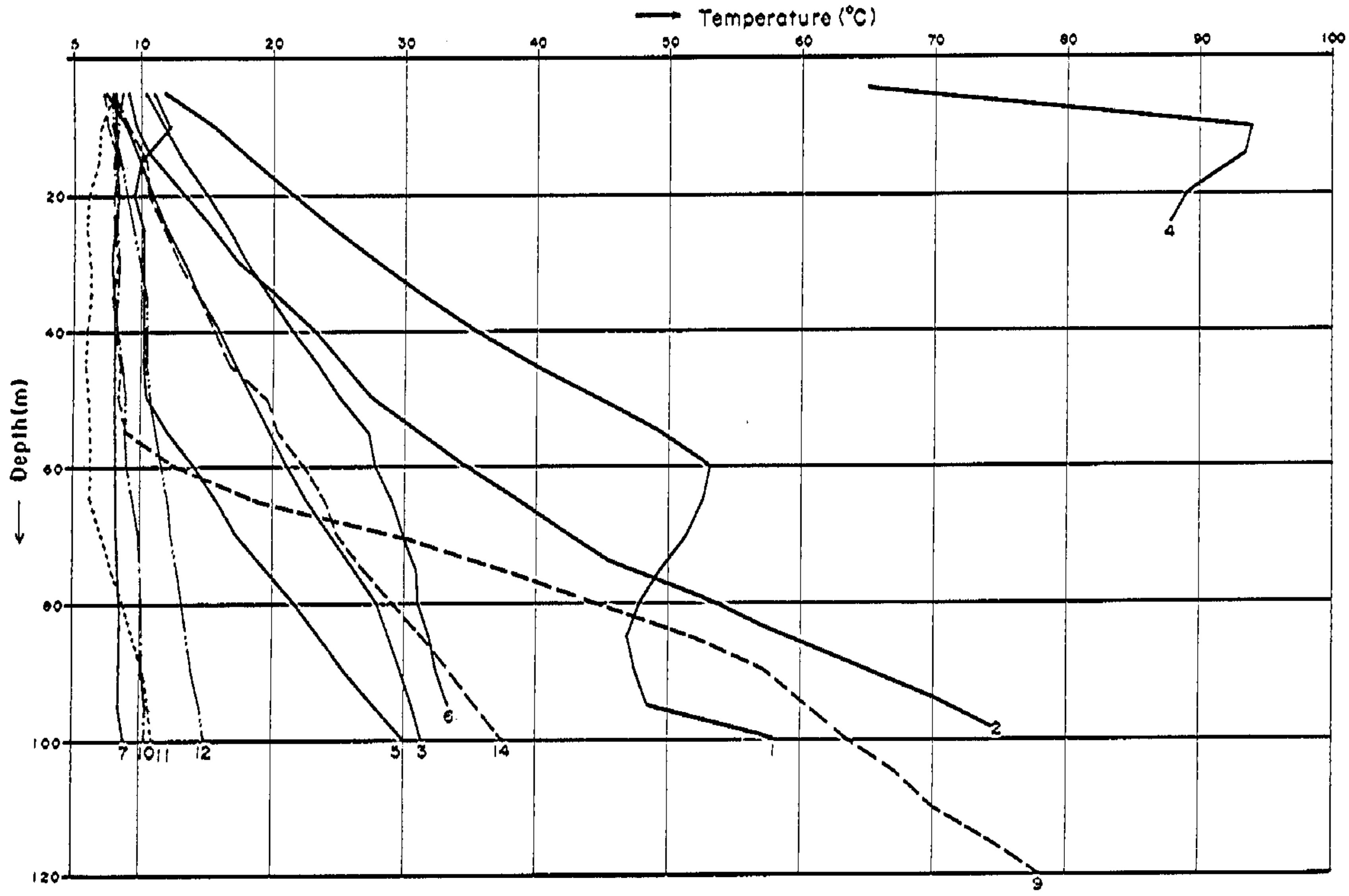


Fig. 4-2-4 Profile of an equilibrium temperature

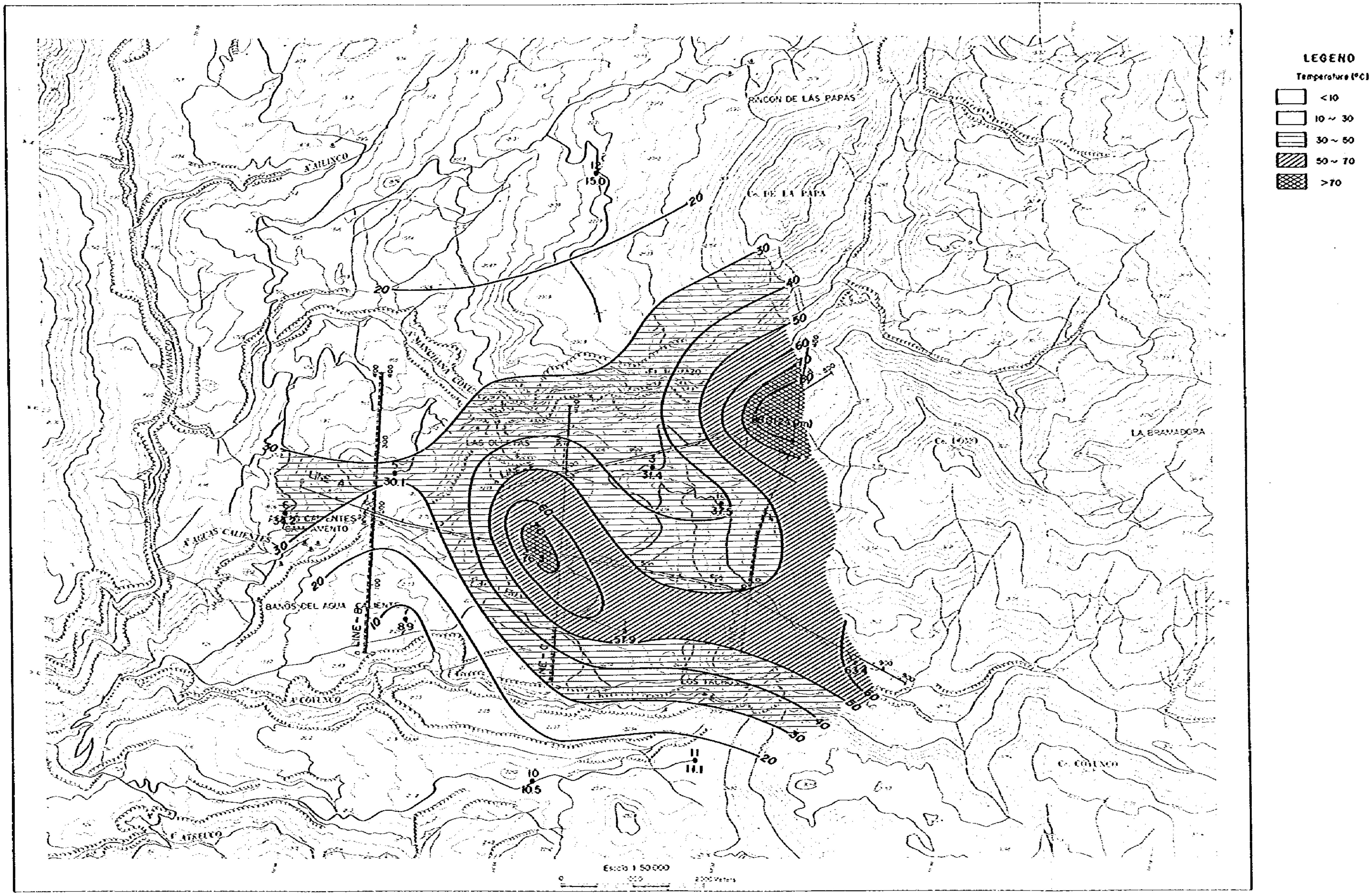


Fig.4-2-5 Distribution map of ground temperature at the 100m depth

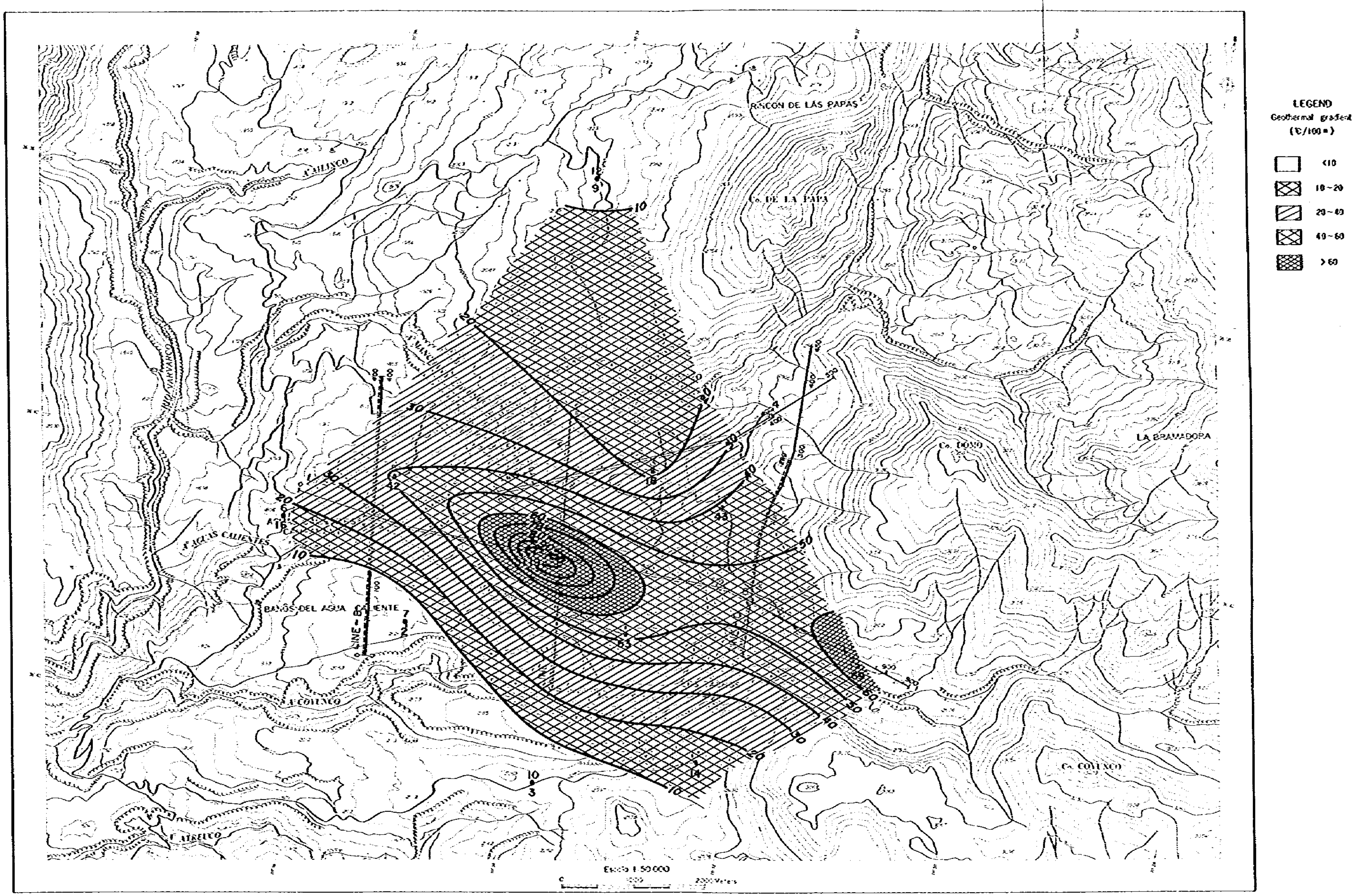


Fig. 4-2-6 Distribution map of the geothermal gradients

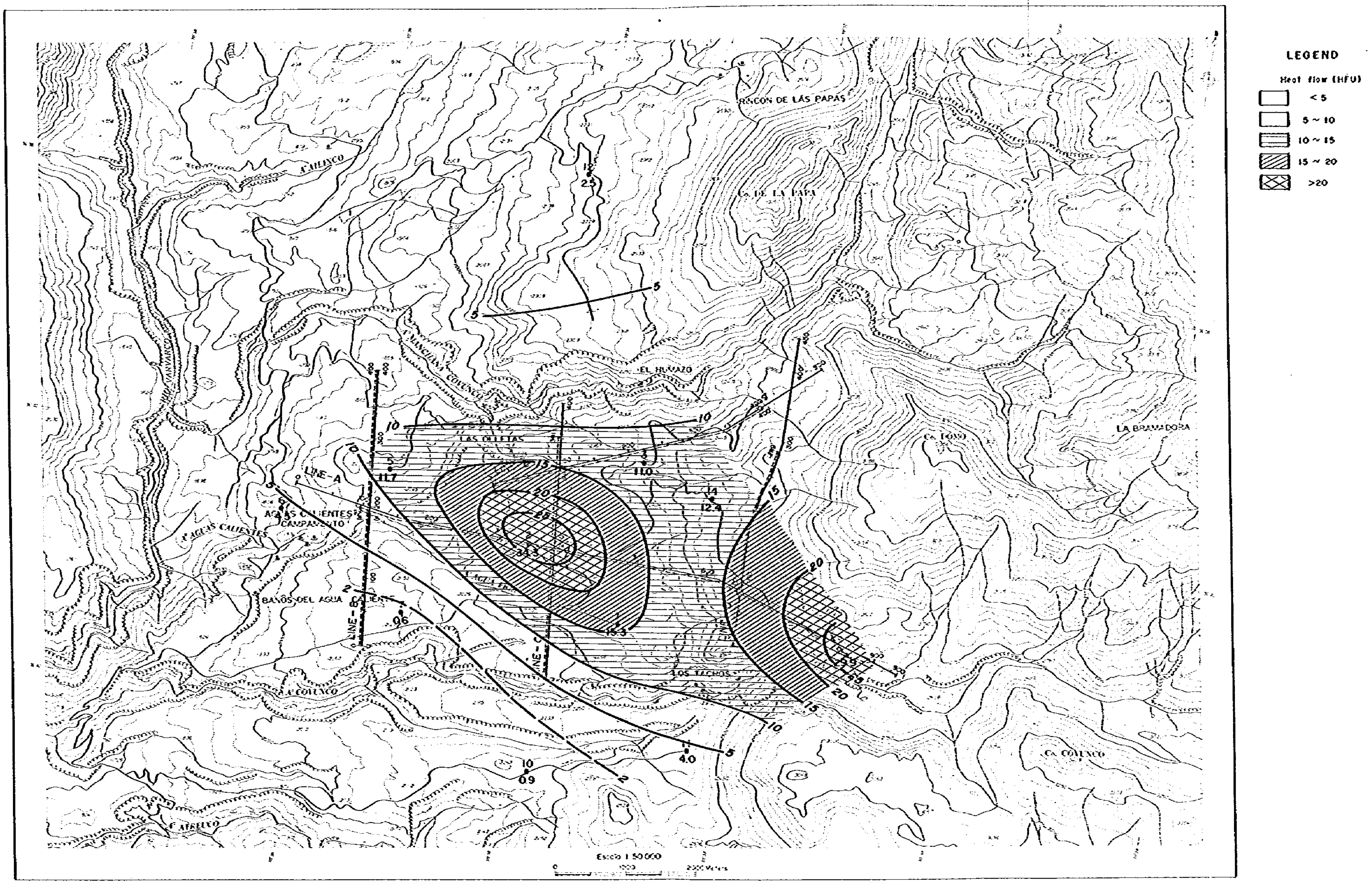


Fig.4-2-7 Distribution map of heat flow

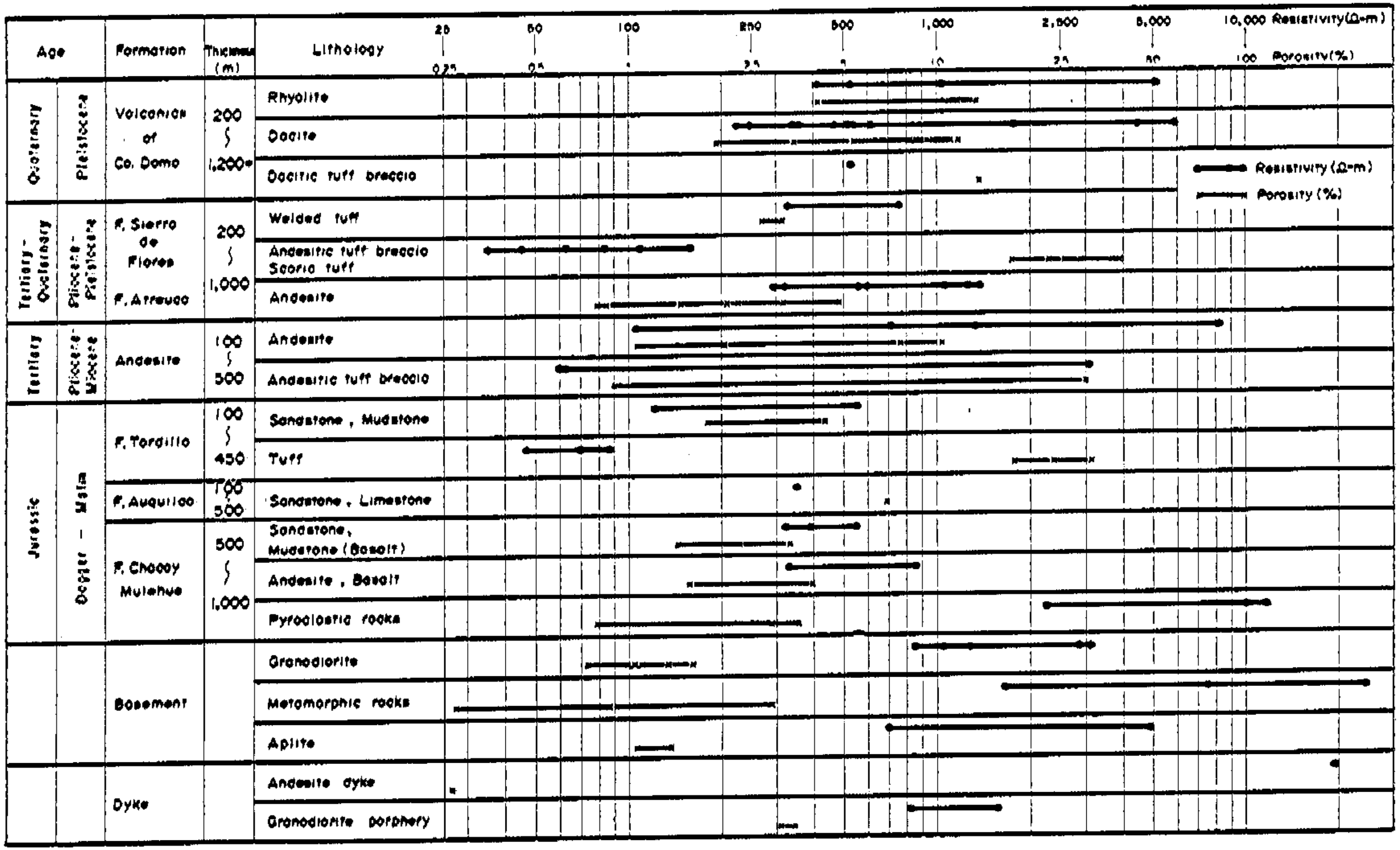


Fig. 4-3-1 Schematic columnar section of resistivity and effective porosity

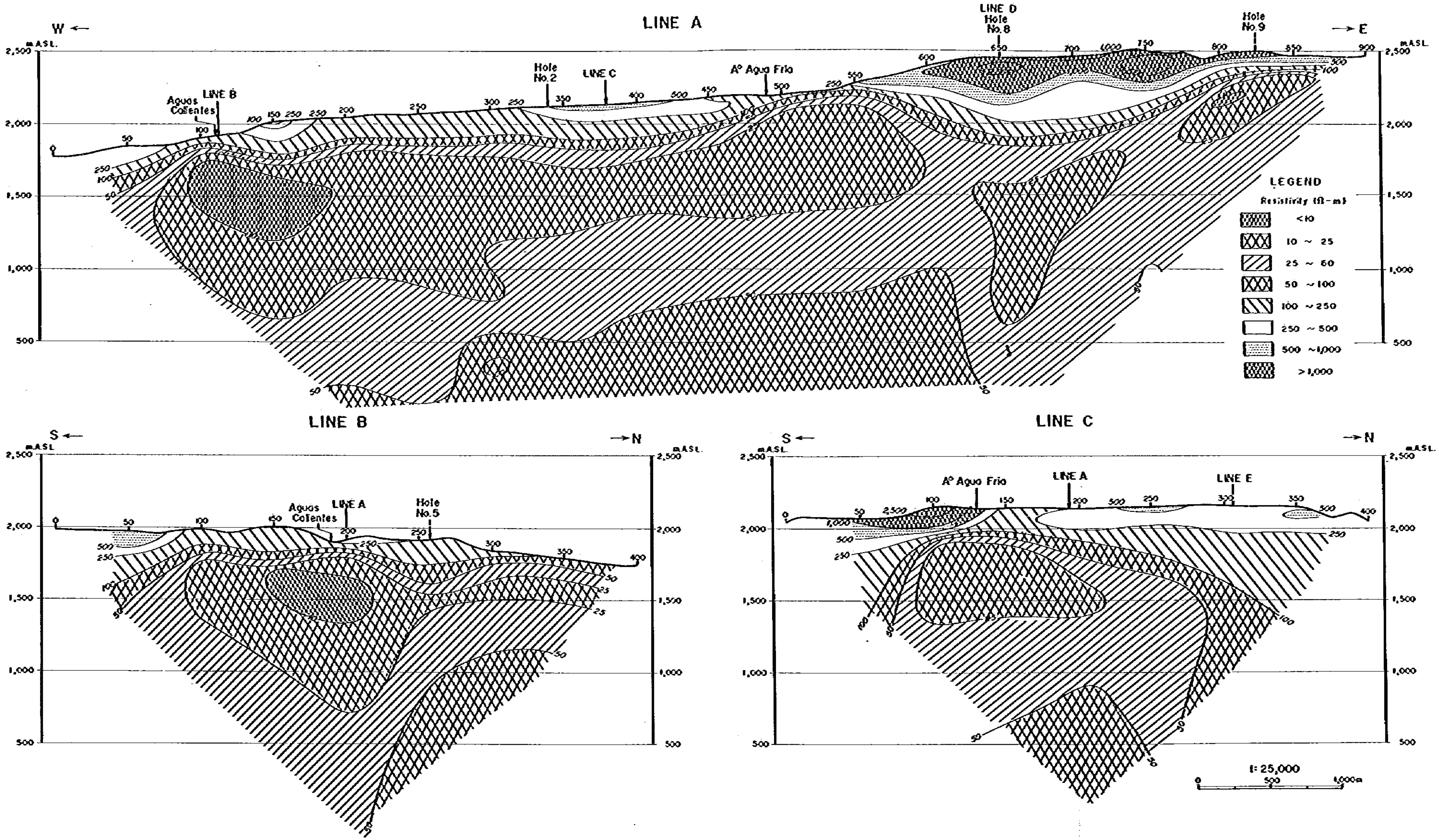


Fig.4-3-2 (i) Apparent resistivity sections, (Line A, B & C)

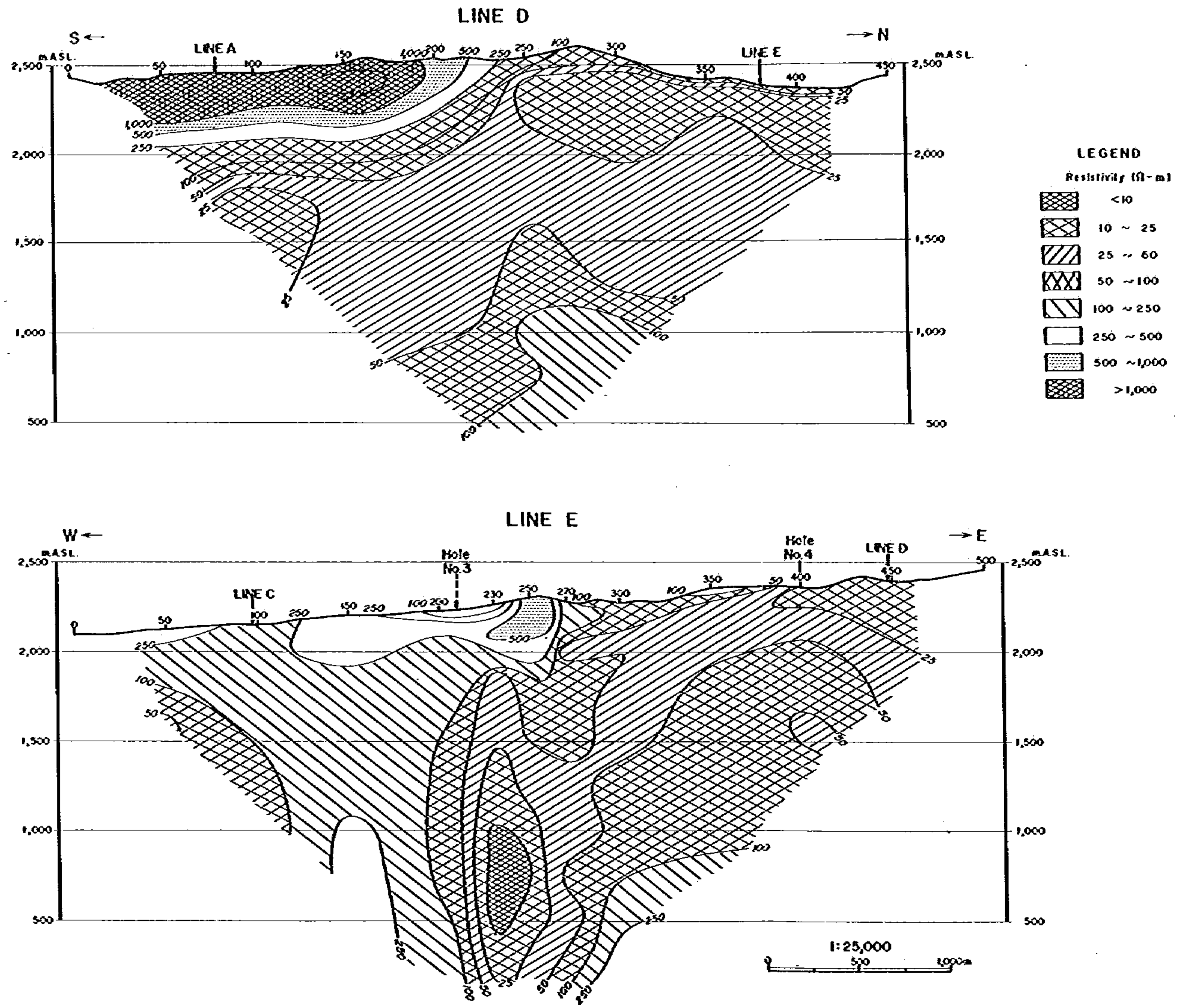


Fig.4-3-2 (ii) Apparent resistivity sections, (Line D & E)

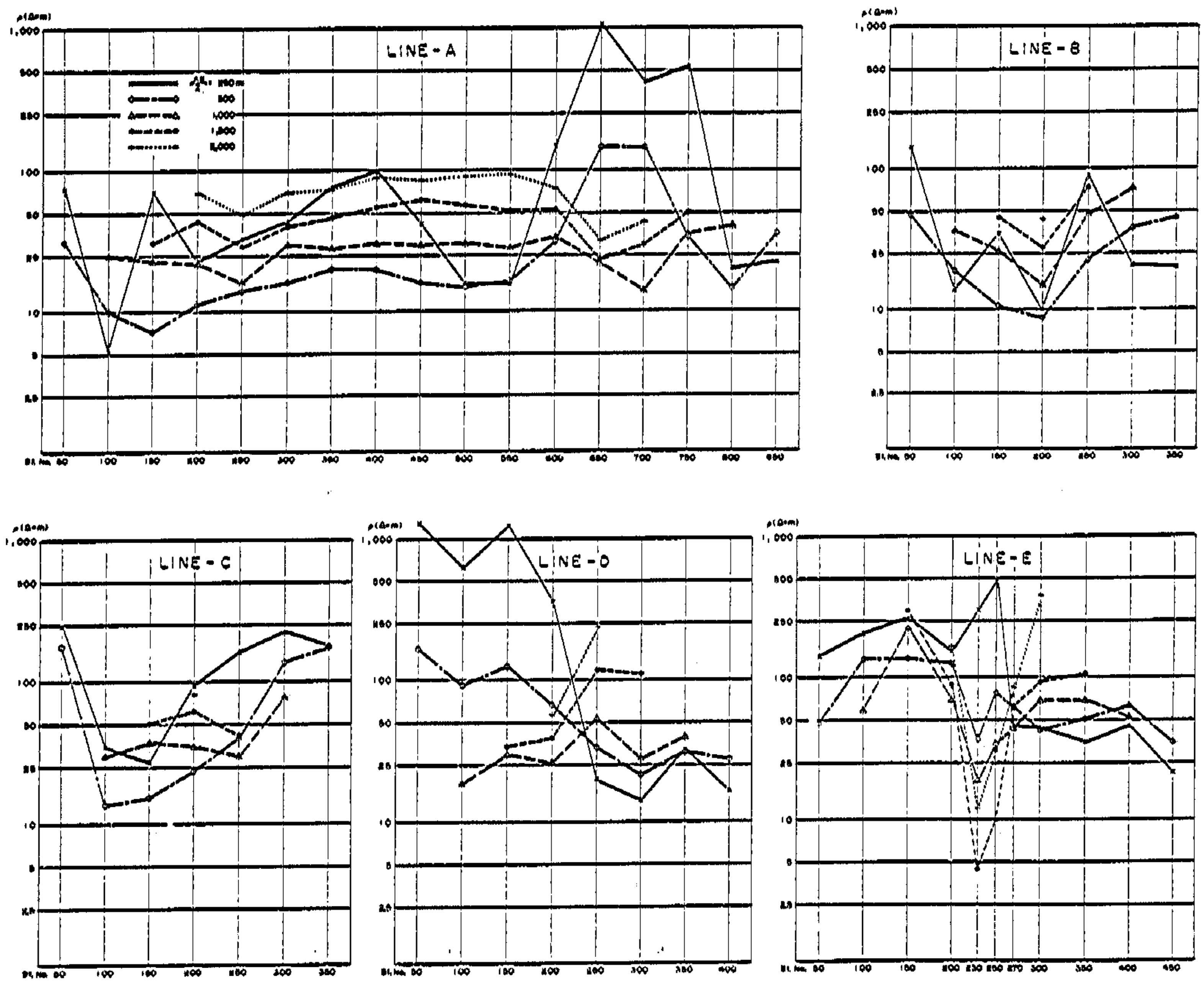


Fig. 4-3-3 Lateral change of apparent resistivity

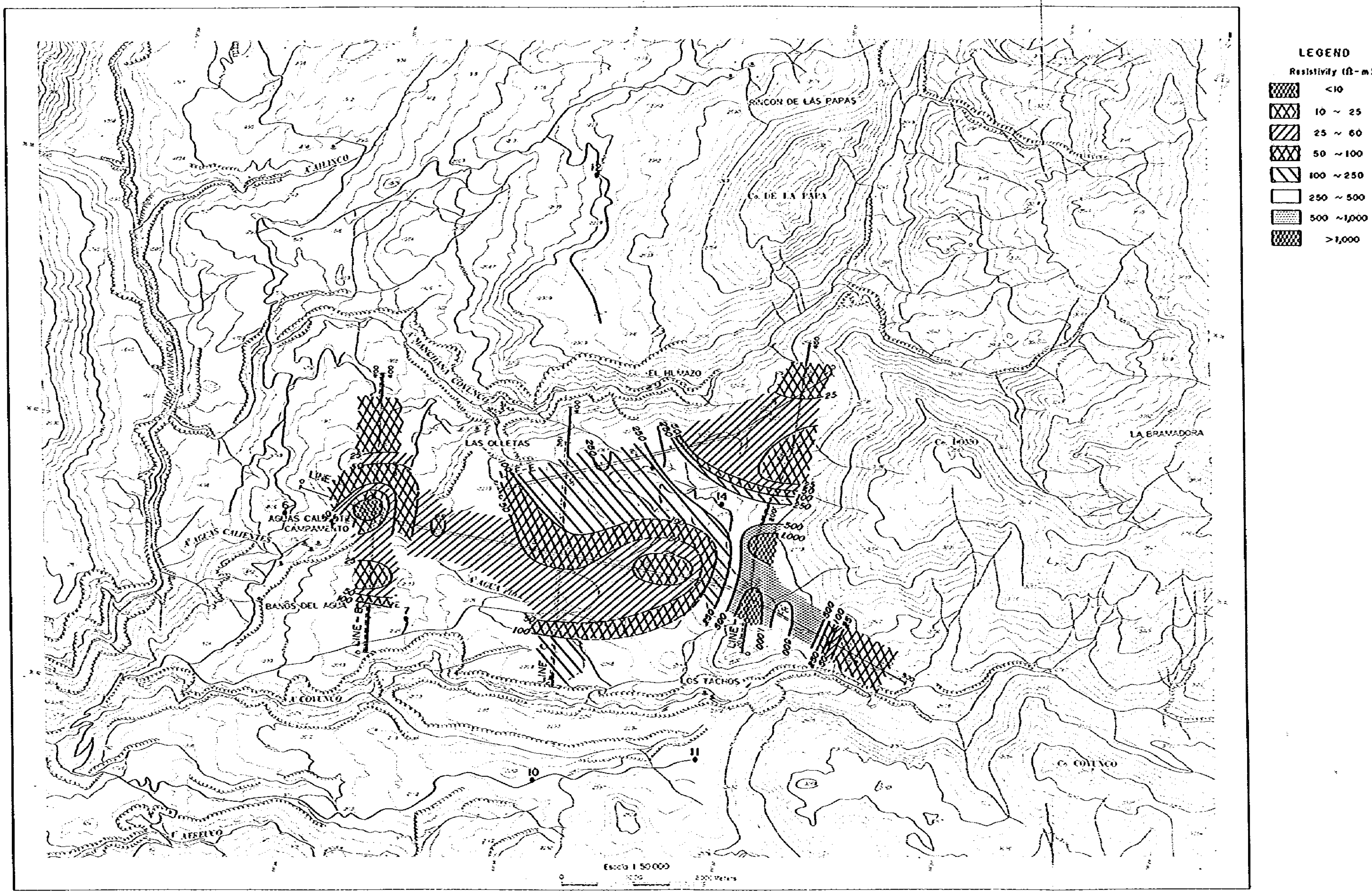


Fig.4-3-4 (i)   Plan map of apparent resistivity, AB/2 = 250m

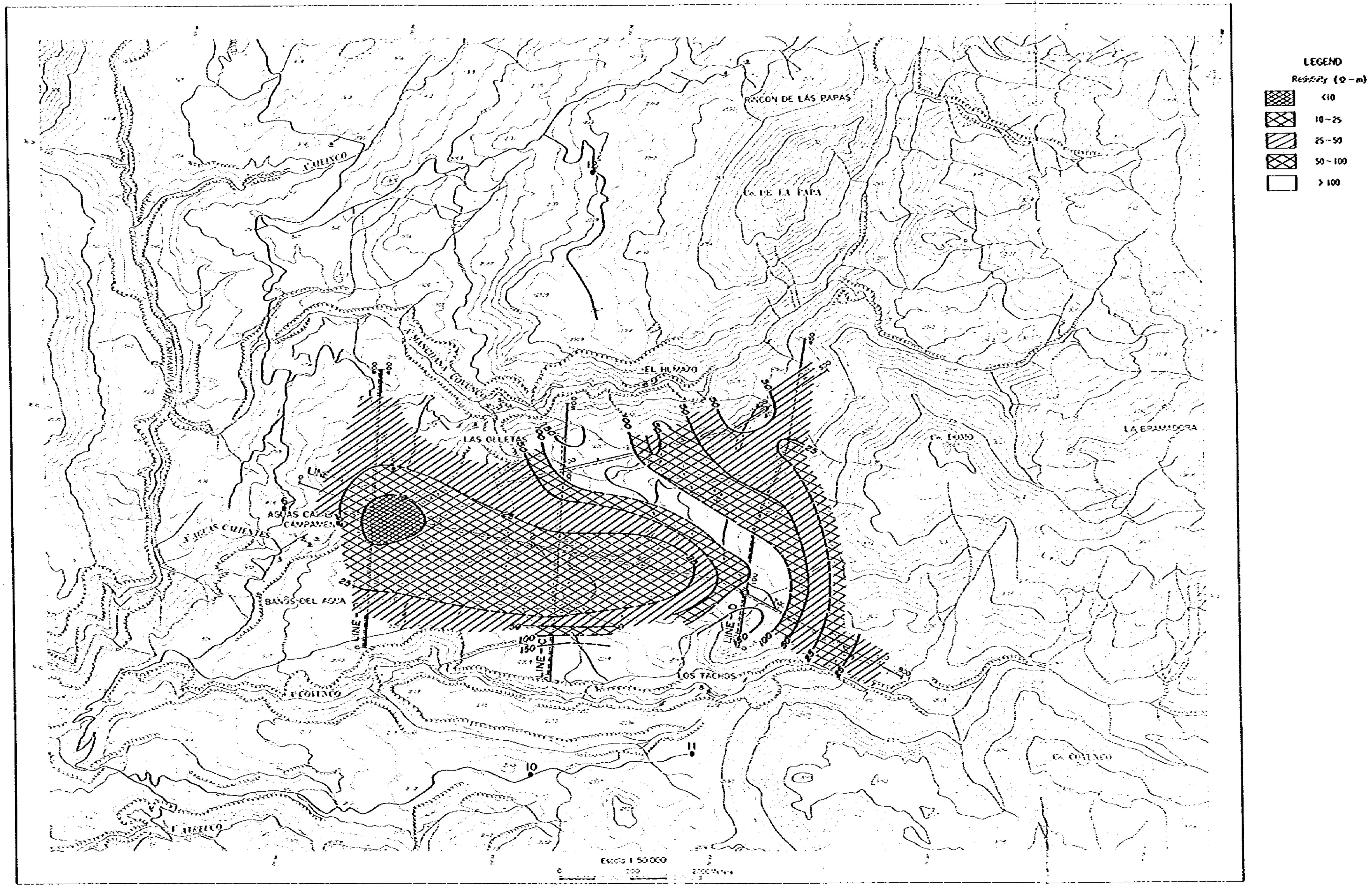


Fig. 4-3-4 (ii) Plan map of apparent resistivity (AB/2=500m)

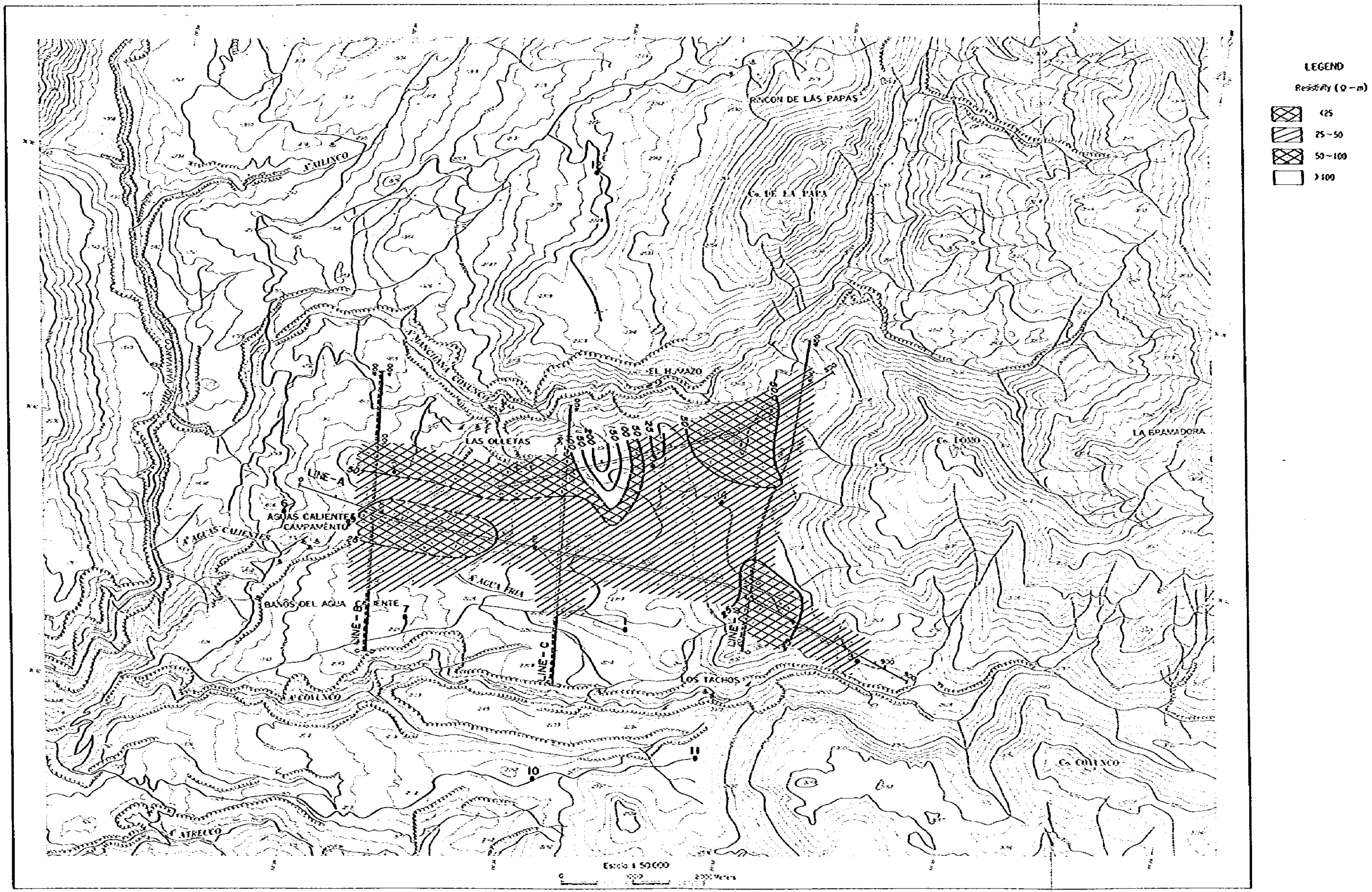


Fig. 4-3-4 (iii) Plan map of apparent resistivity (AB/2=1000m)

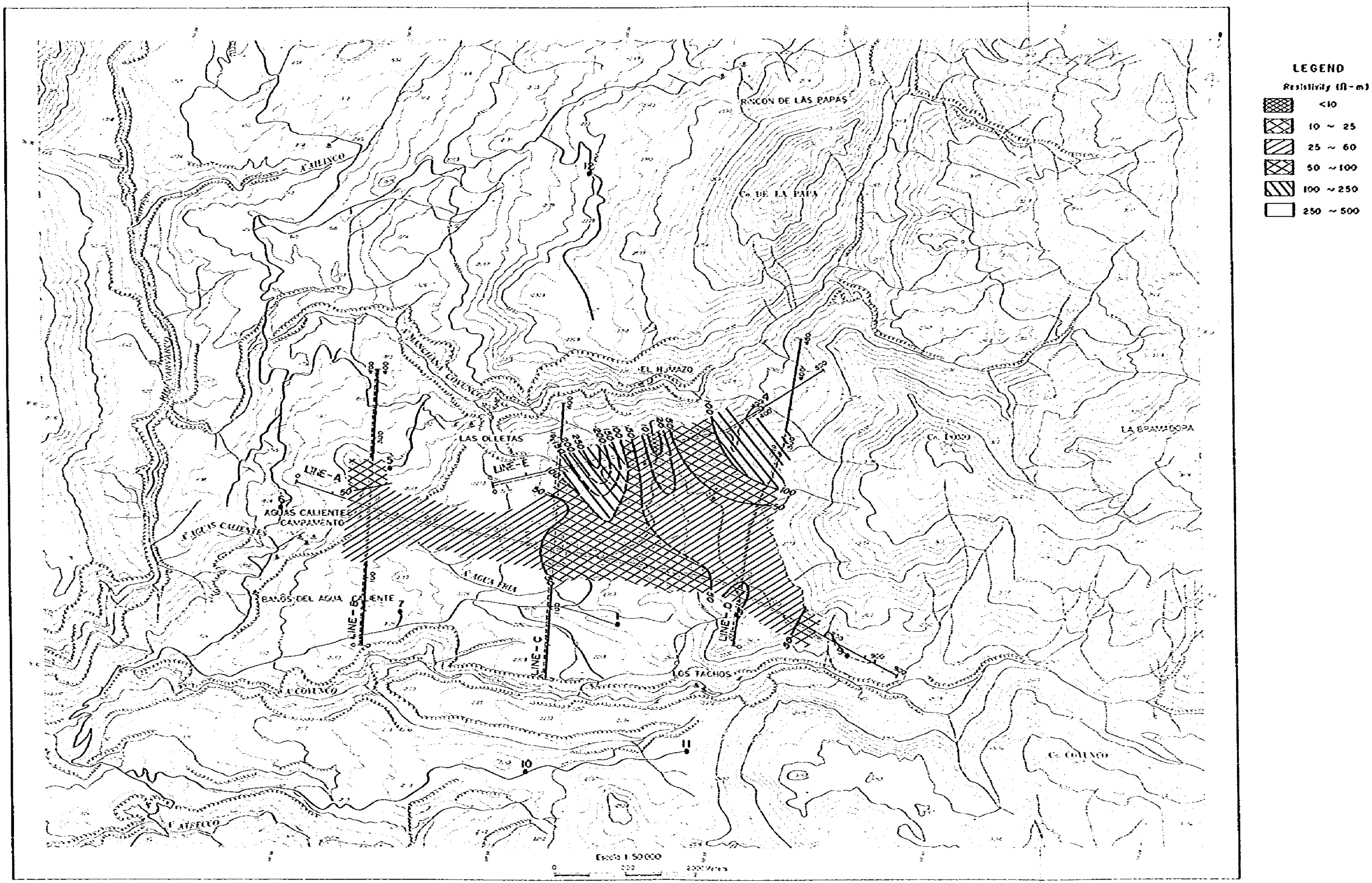


Fig.4-3-4 (IV) Plan map of apparent resistivity, AB/2 = 1,500m

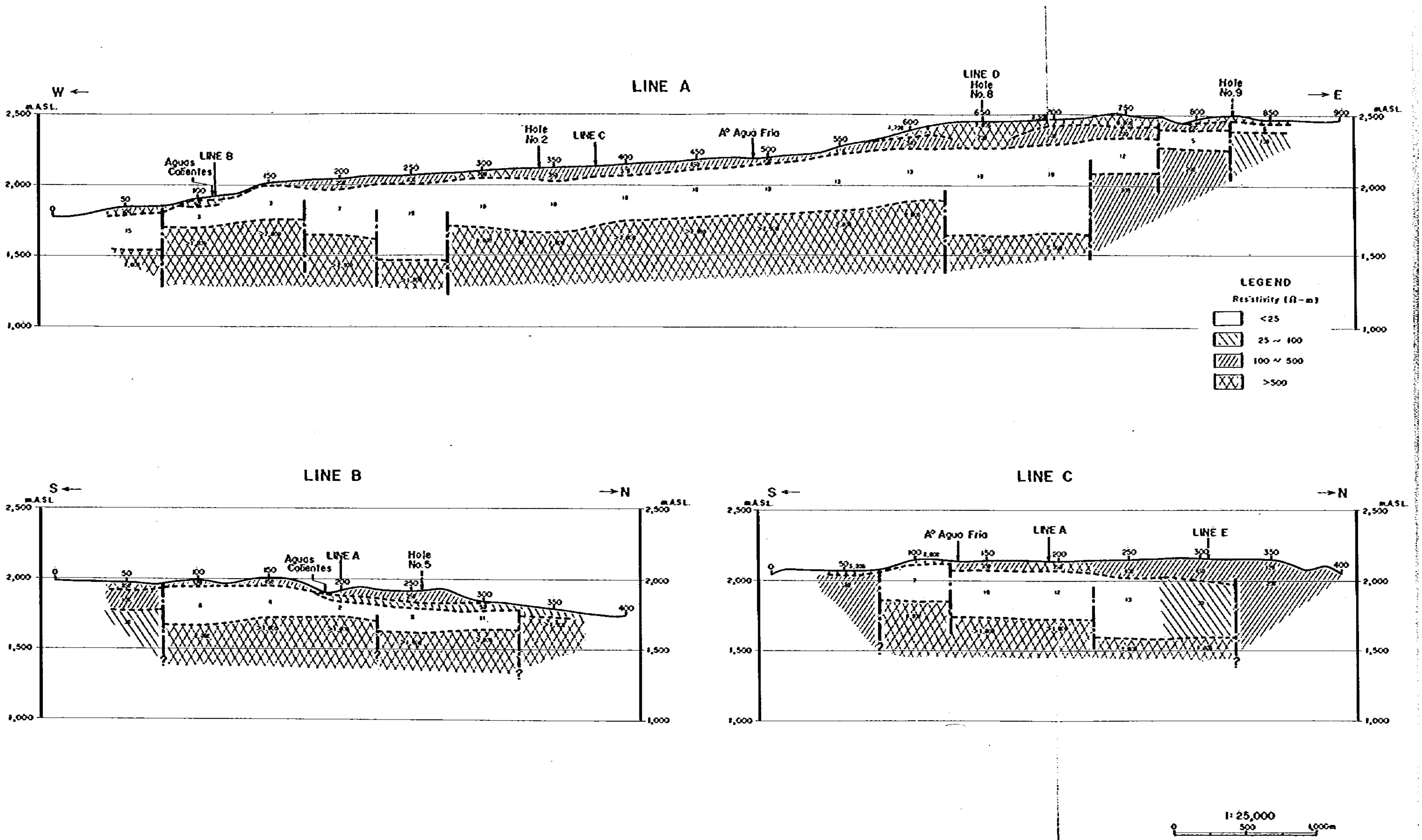


Fig.4-3-5 (i) Resistivity sections, (Line A, B & C)

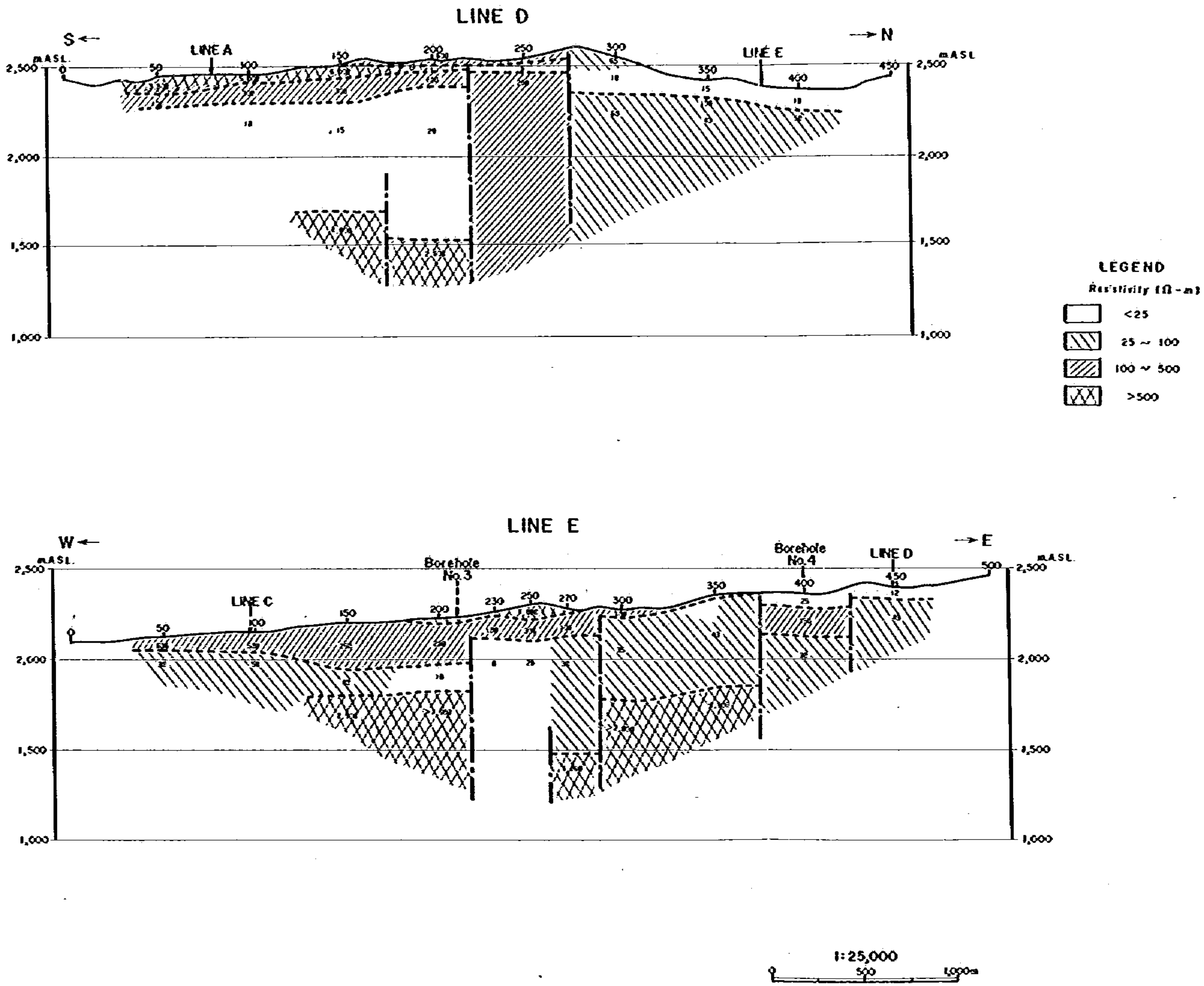


Fig.4-3-5 (ii) Resistivity sections, (Line D & E)

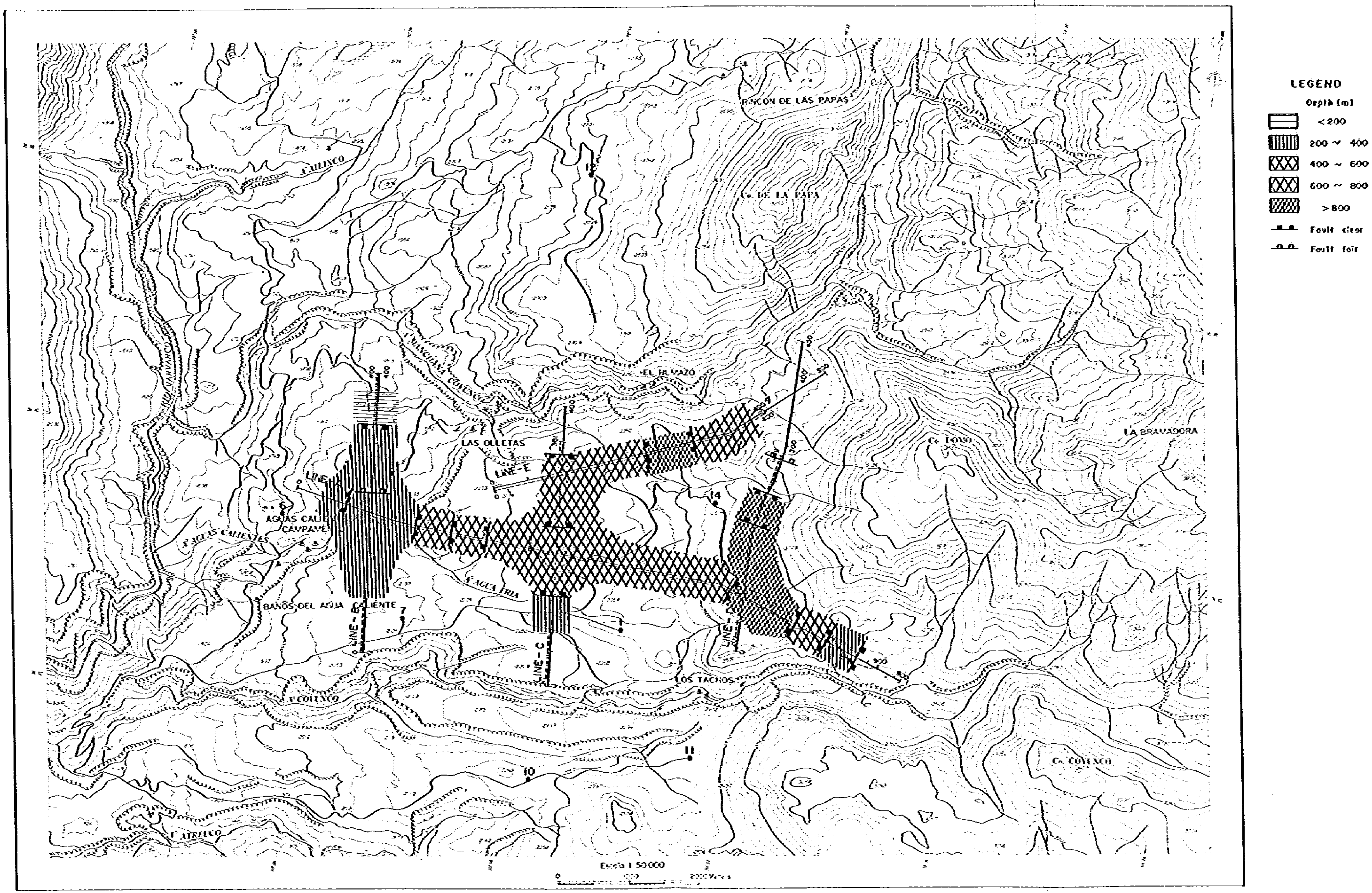


Fig.4-3-6 Structural map of the resistivity basements

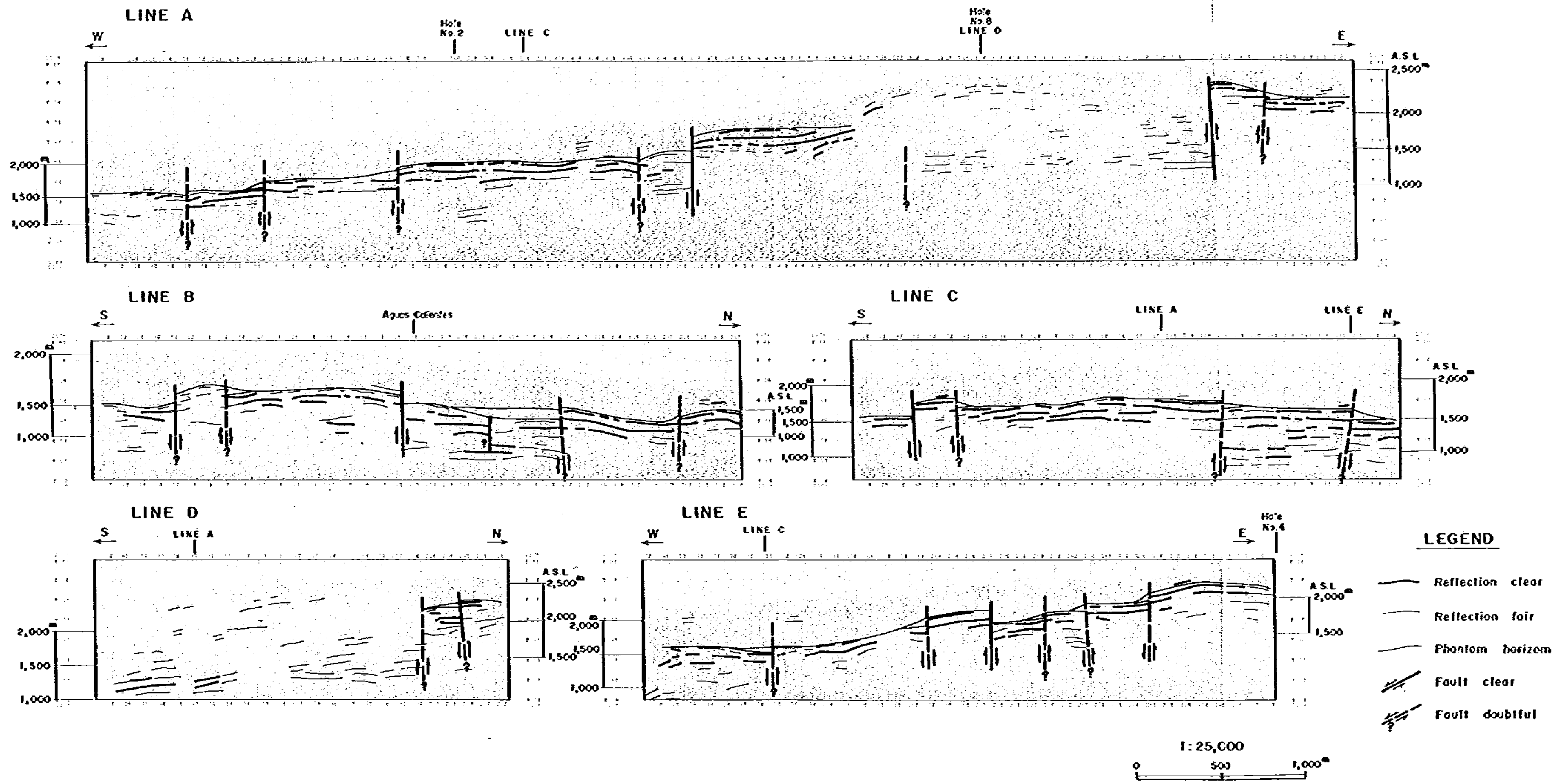


Fig. 4-4-1 Seismic interpretation time sections (Line A ~ E)

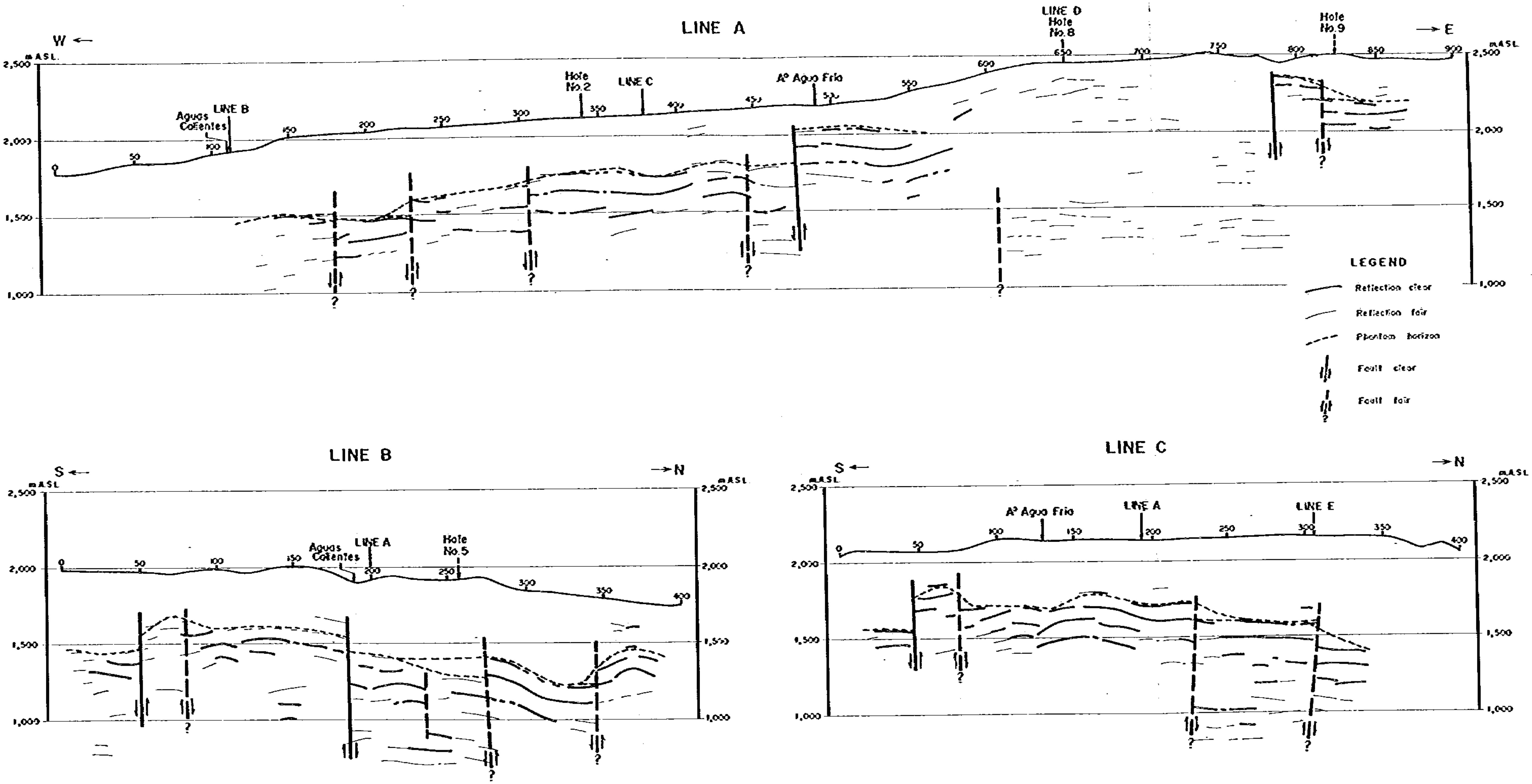


Fig. 4-4-2(1) Seismic interpretation depth sections (Line A, B & C)

1: 25,000
0 500 1,000m