

Fig. 2.2 Hydrological Basins

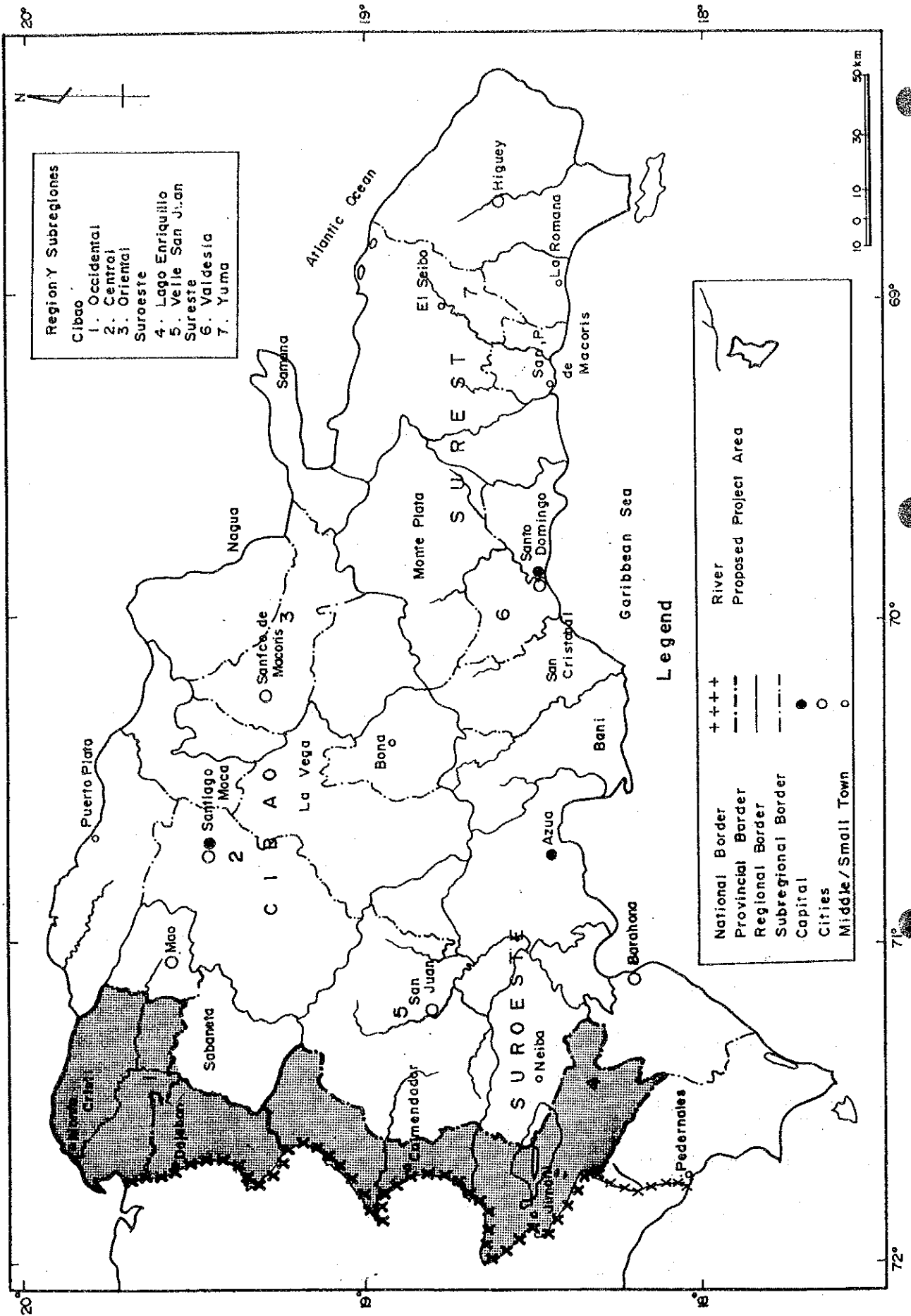


Fig 2.3 Adminstrative Regions of Dominican Republic

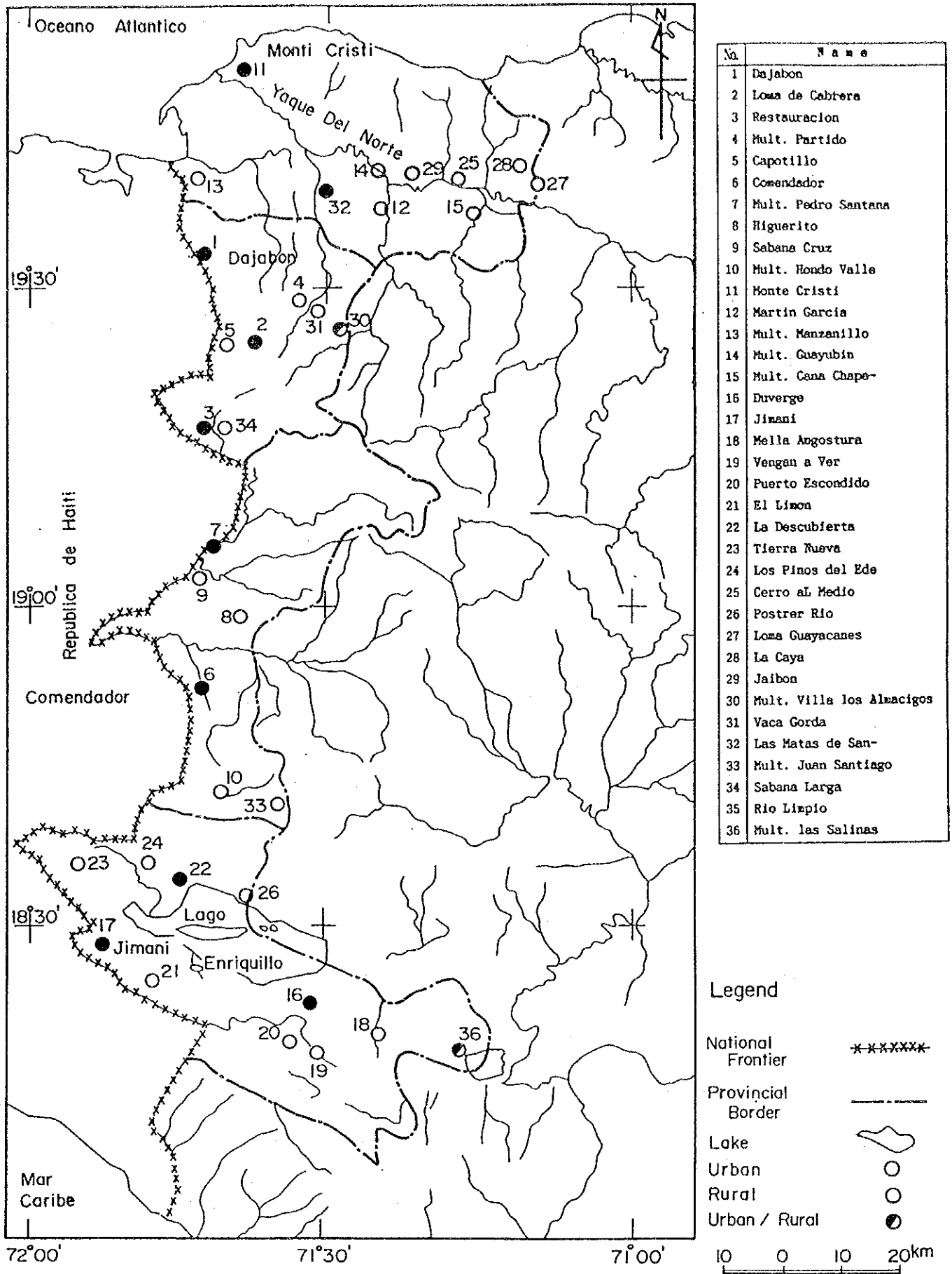


Fig. 2.4 Existing Water Supply System

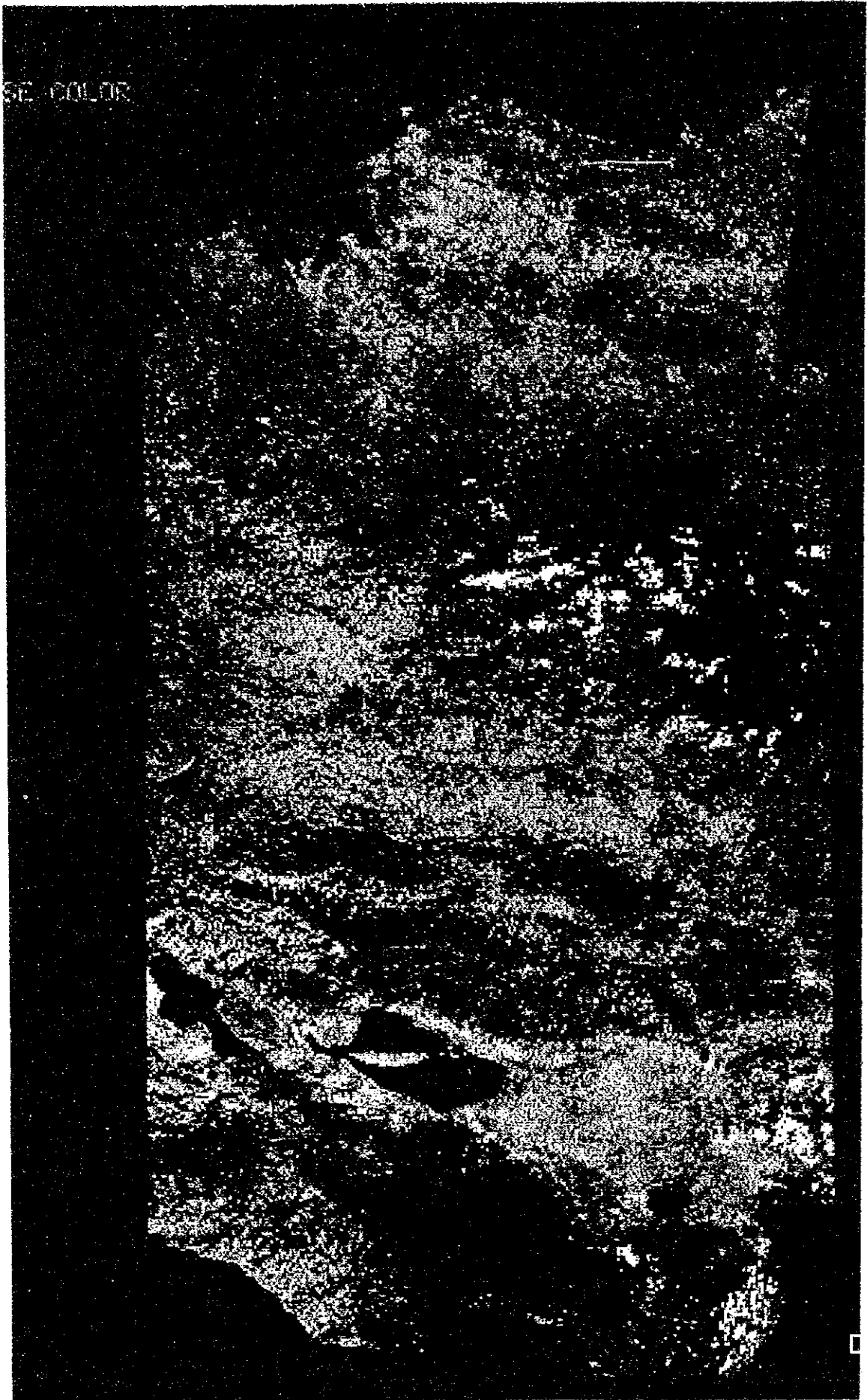


Fig. 3.1 Landsat False Color Image

CLASSIFICATION



DOMICLST

Fig. 3.2 Landcover Classification Image

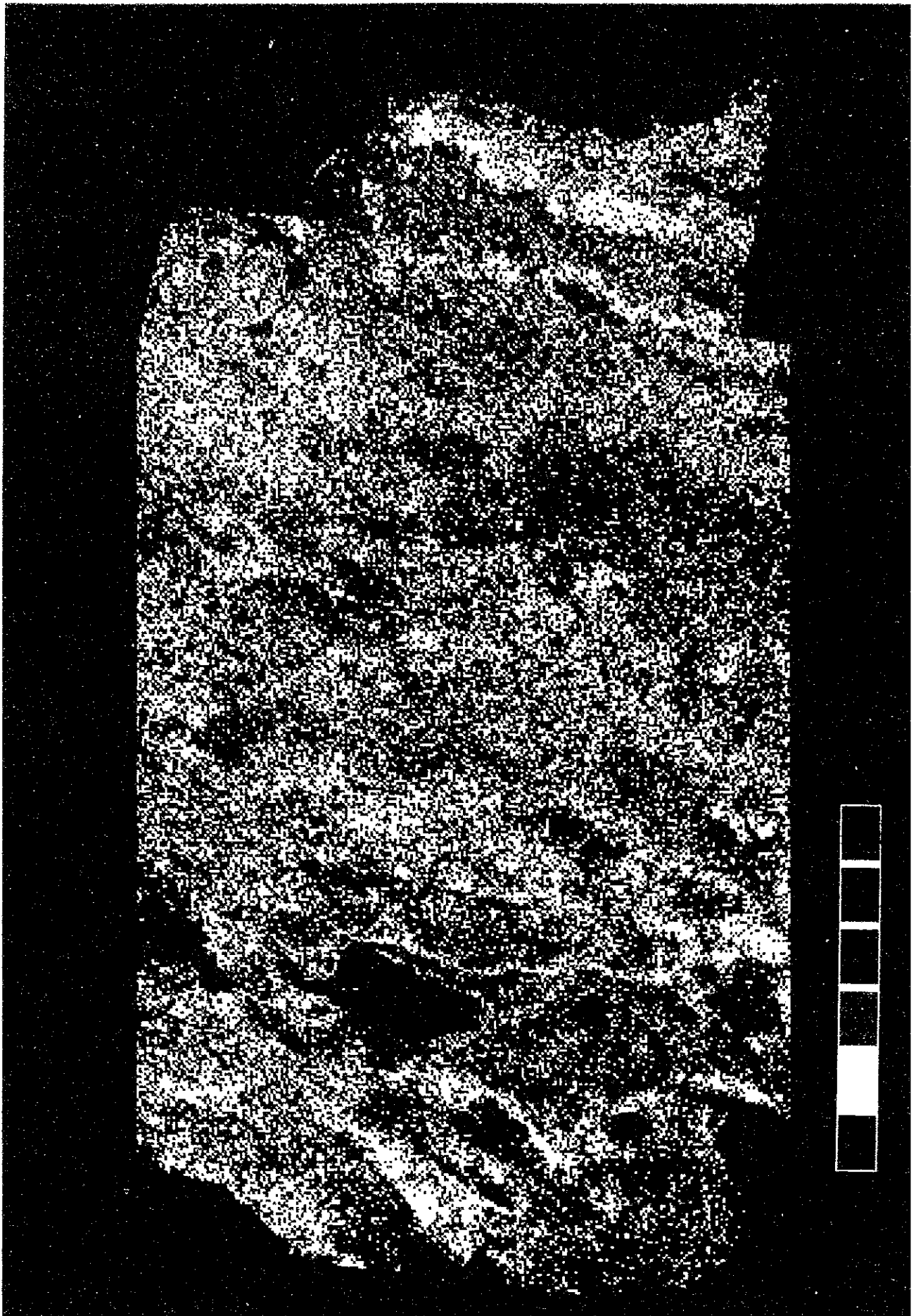


Fig. 3.3 Water Content Classification Image







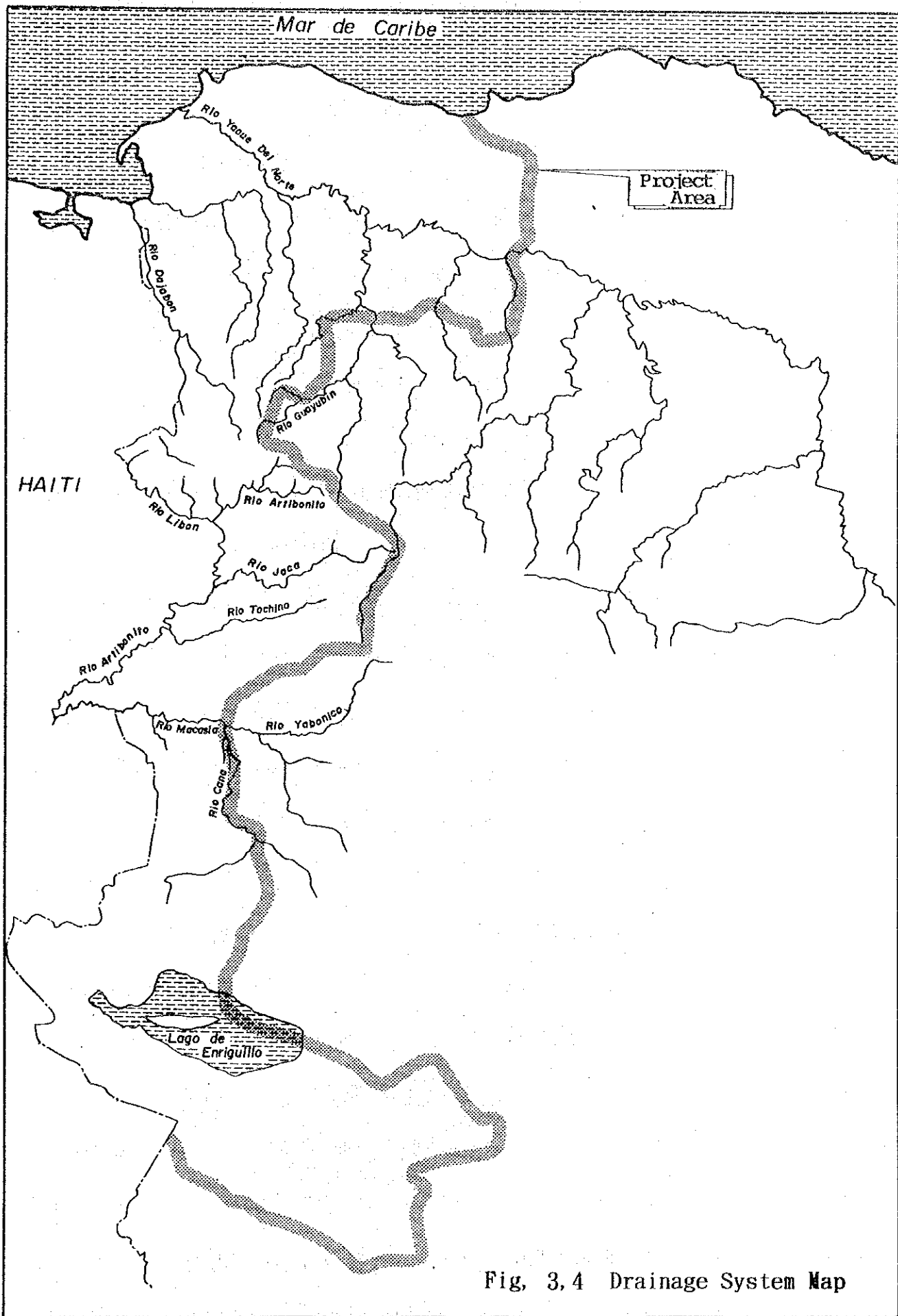


Fig. 3,4 Drainage System Map

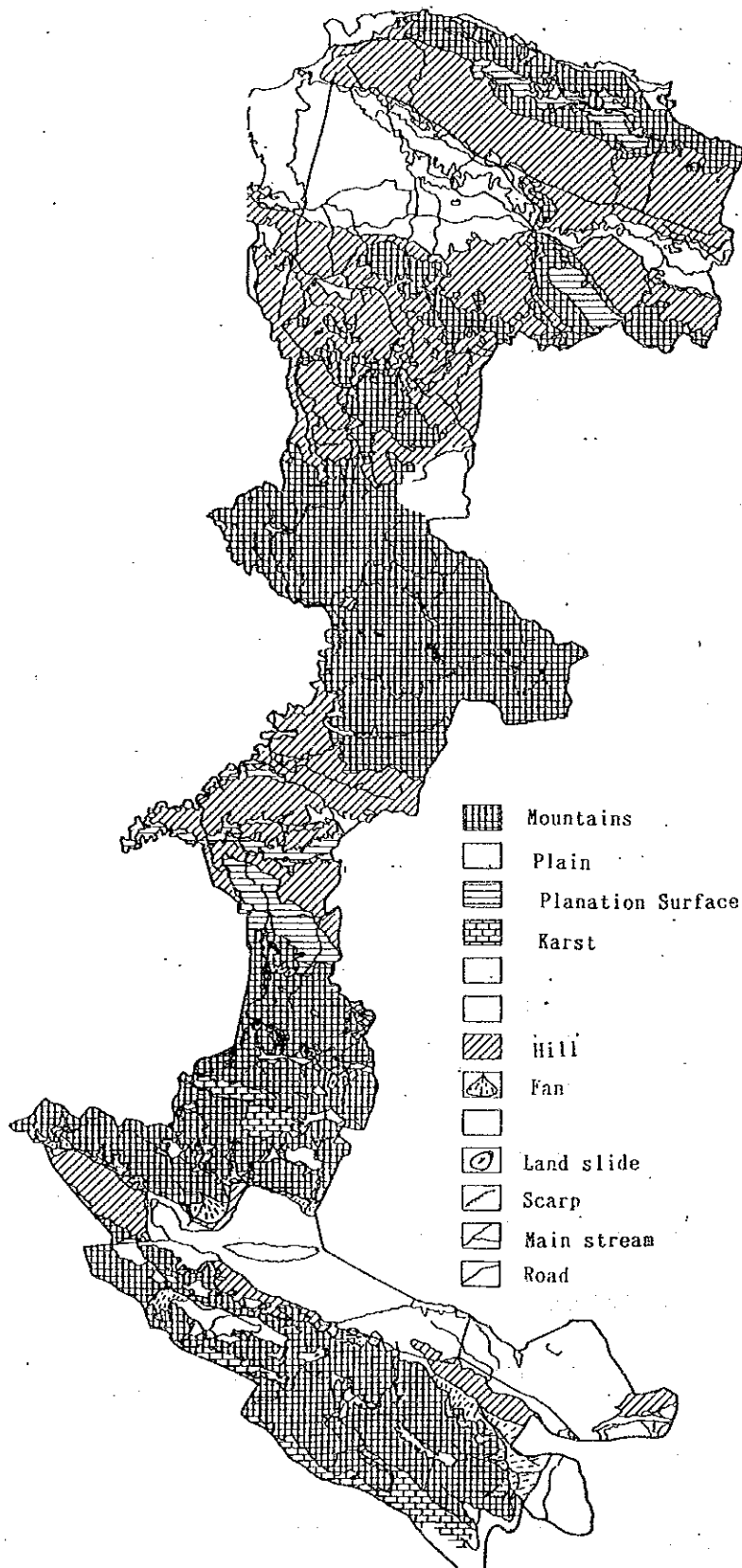


Fig. 3.5 Landform Classification Map

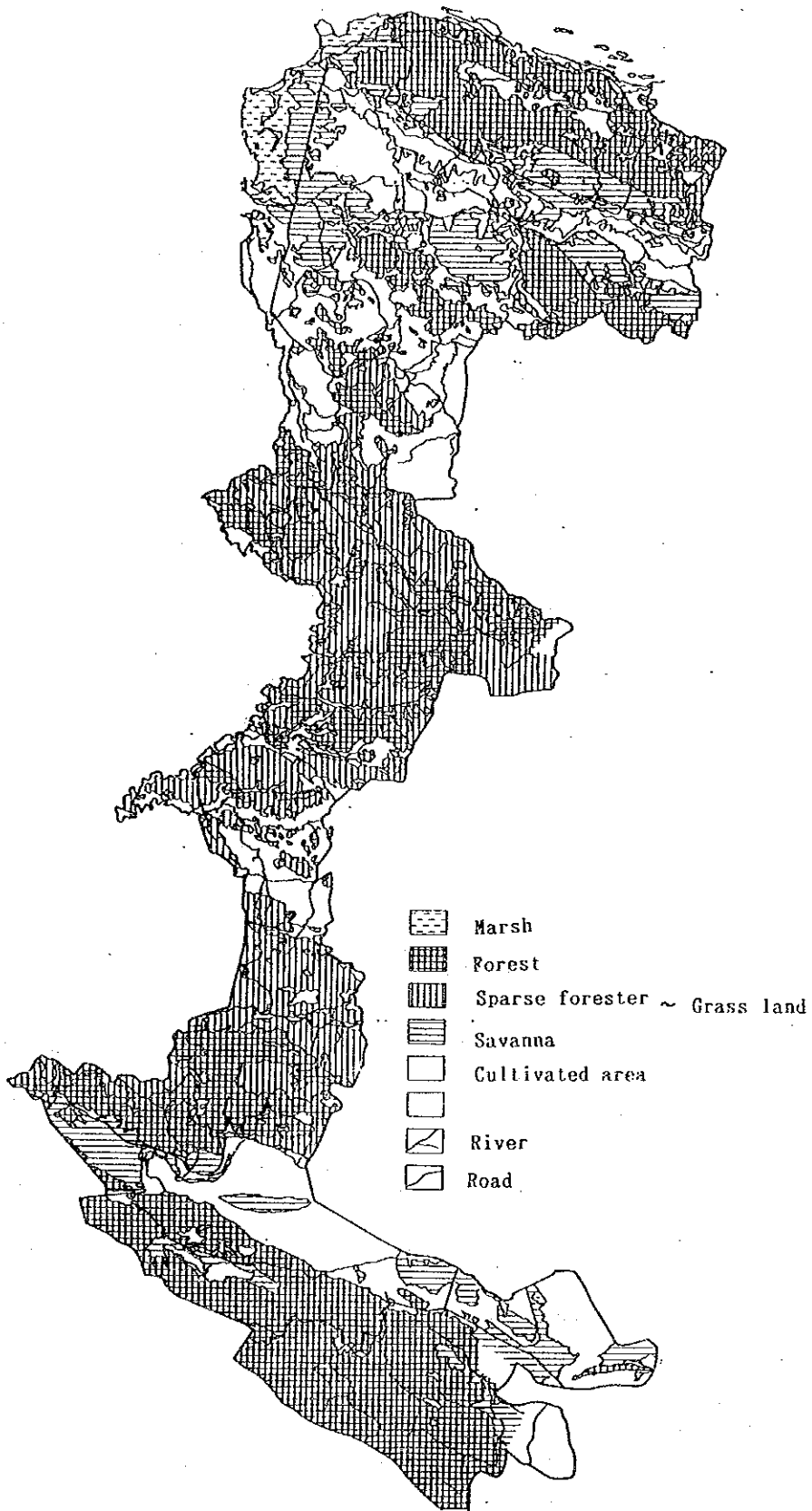
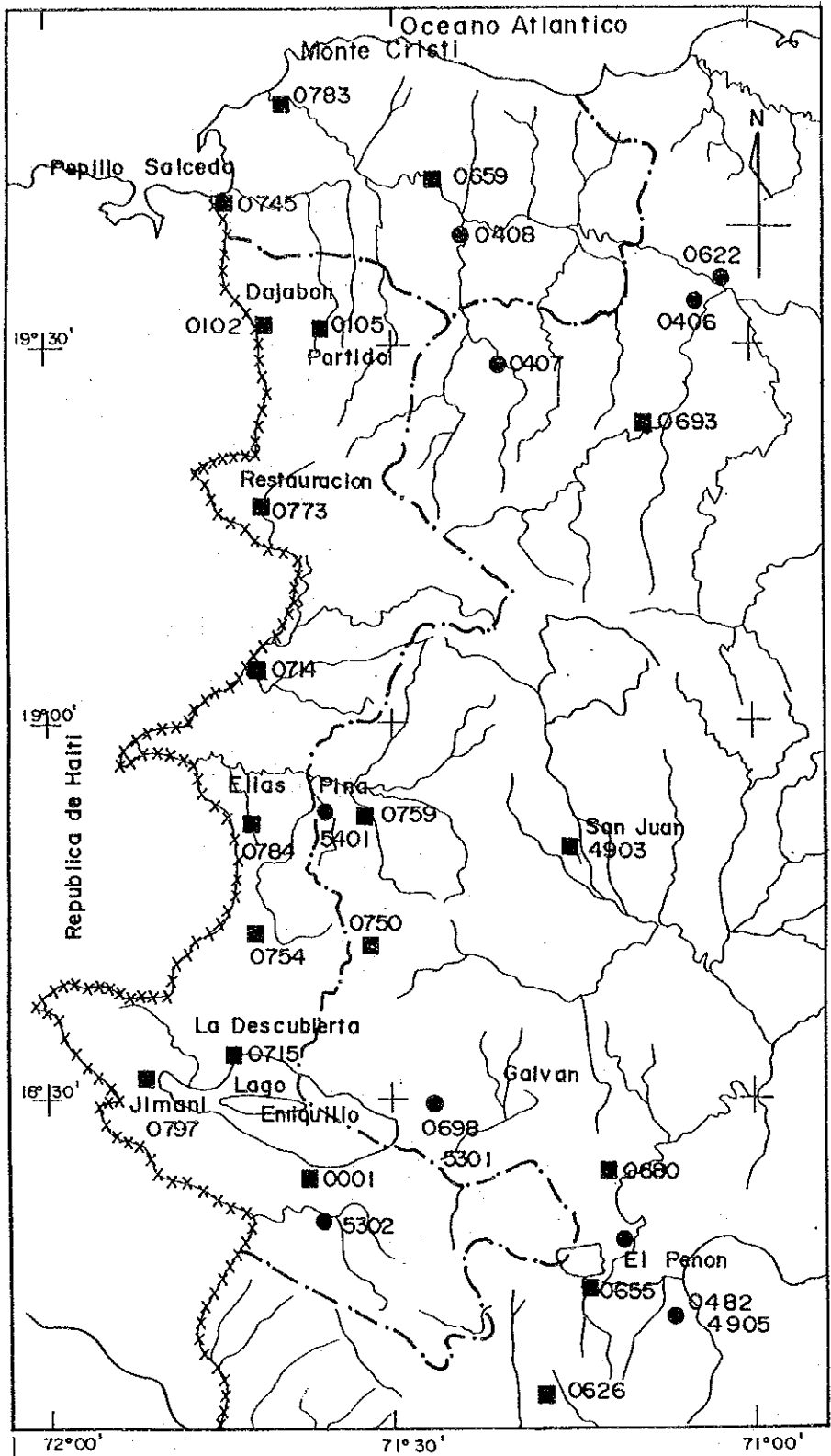


Fig. 3.6 Land Use and Vegetation Classification Map



- Legend**
- Agromet Stations
  - Synoptic Stations

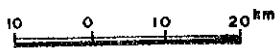


Fig. 3.7 Location of Meteorological Observation Station

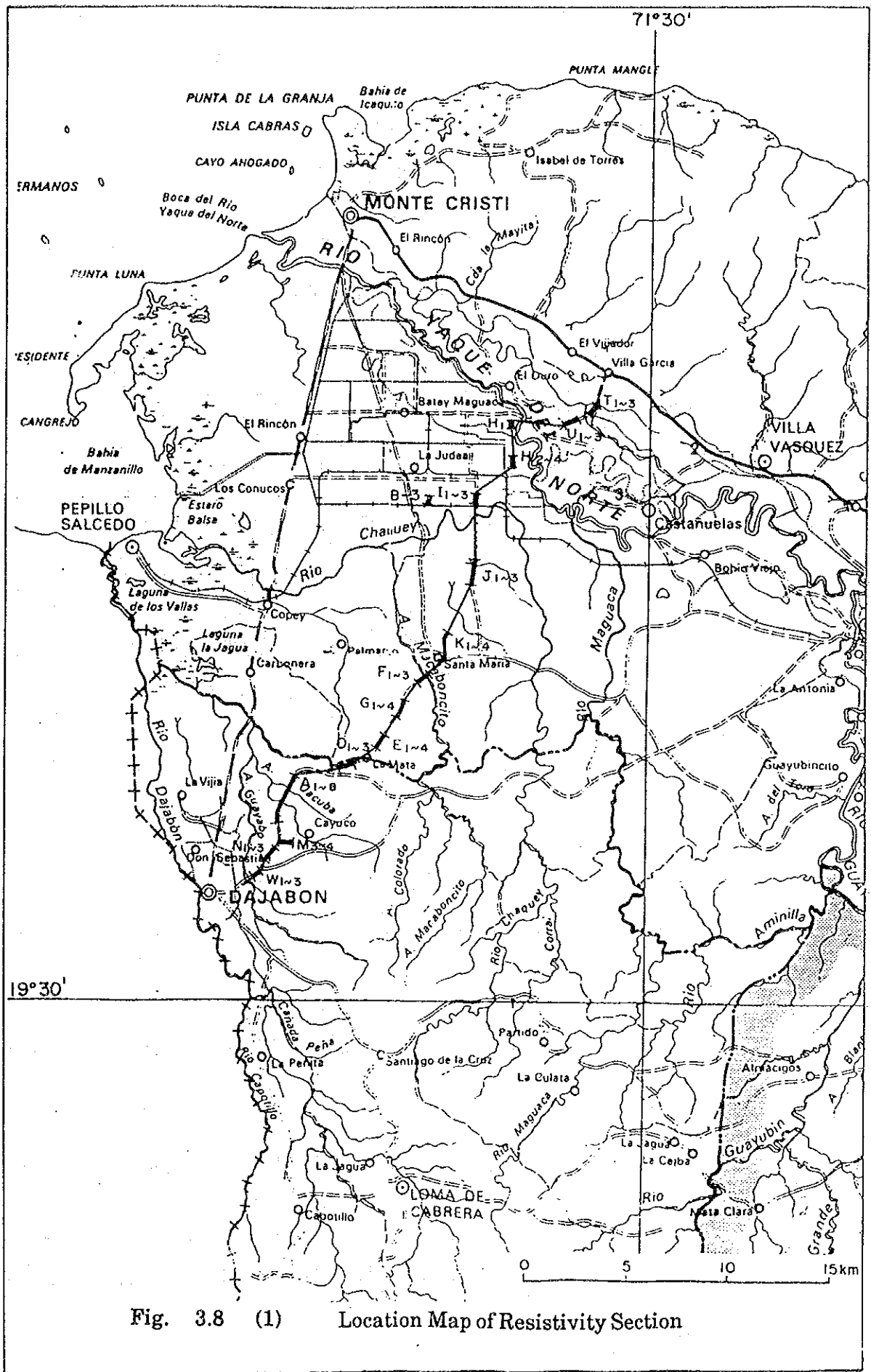


Fig. 3.8 (1) Location Map of Resistivity Section

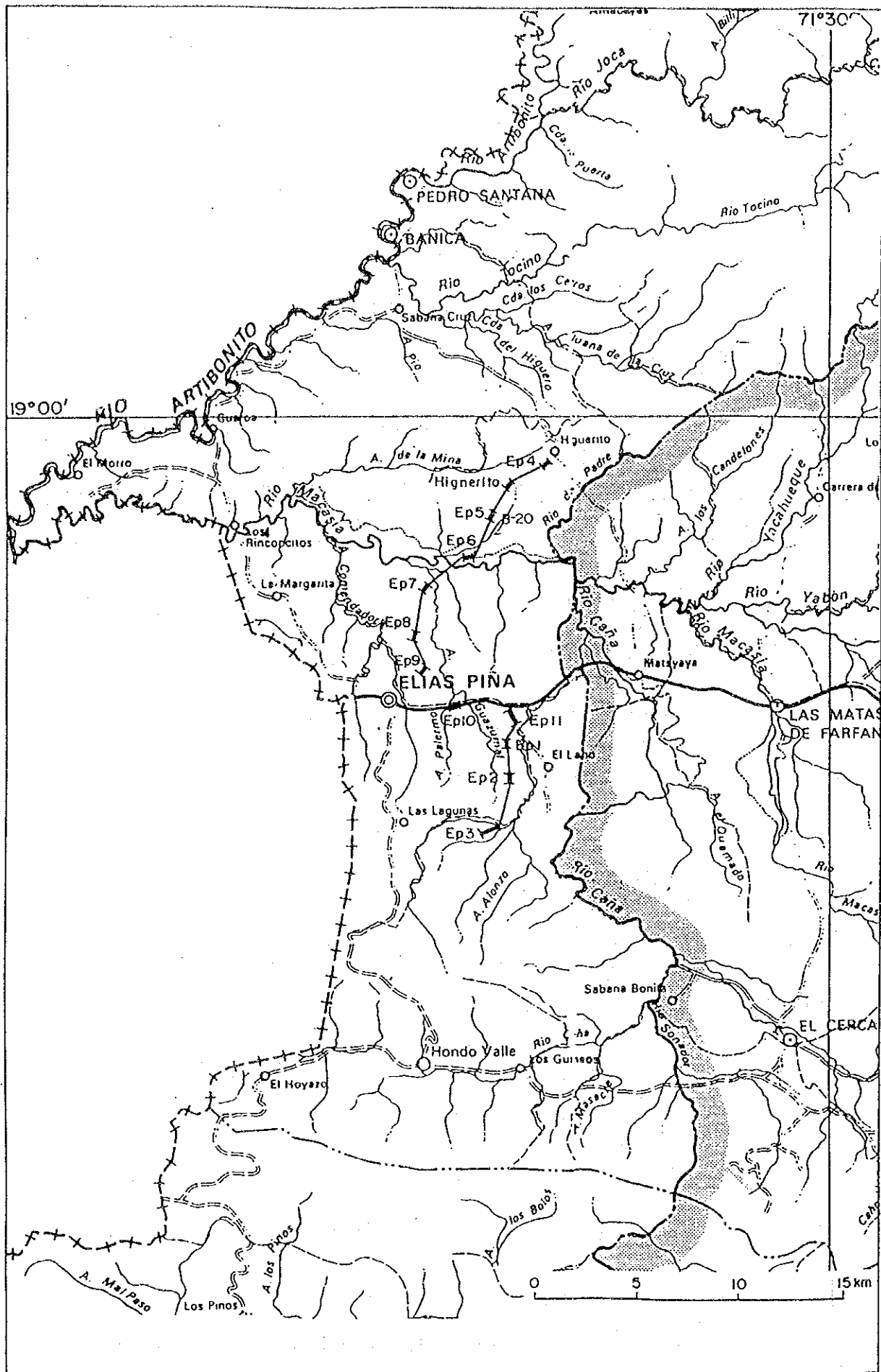


Fig. 3.8 (2) Location Map of Resistivity Section

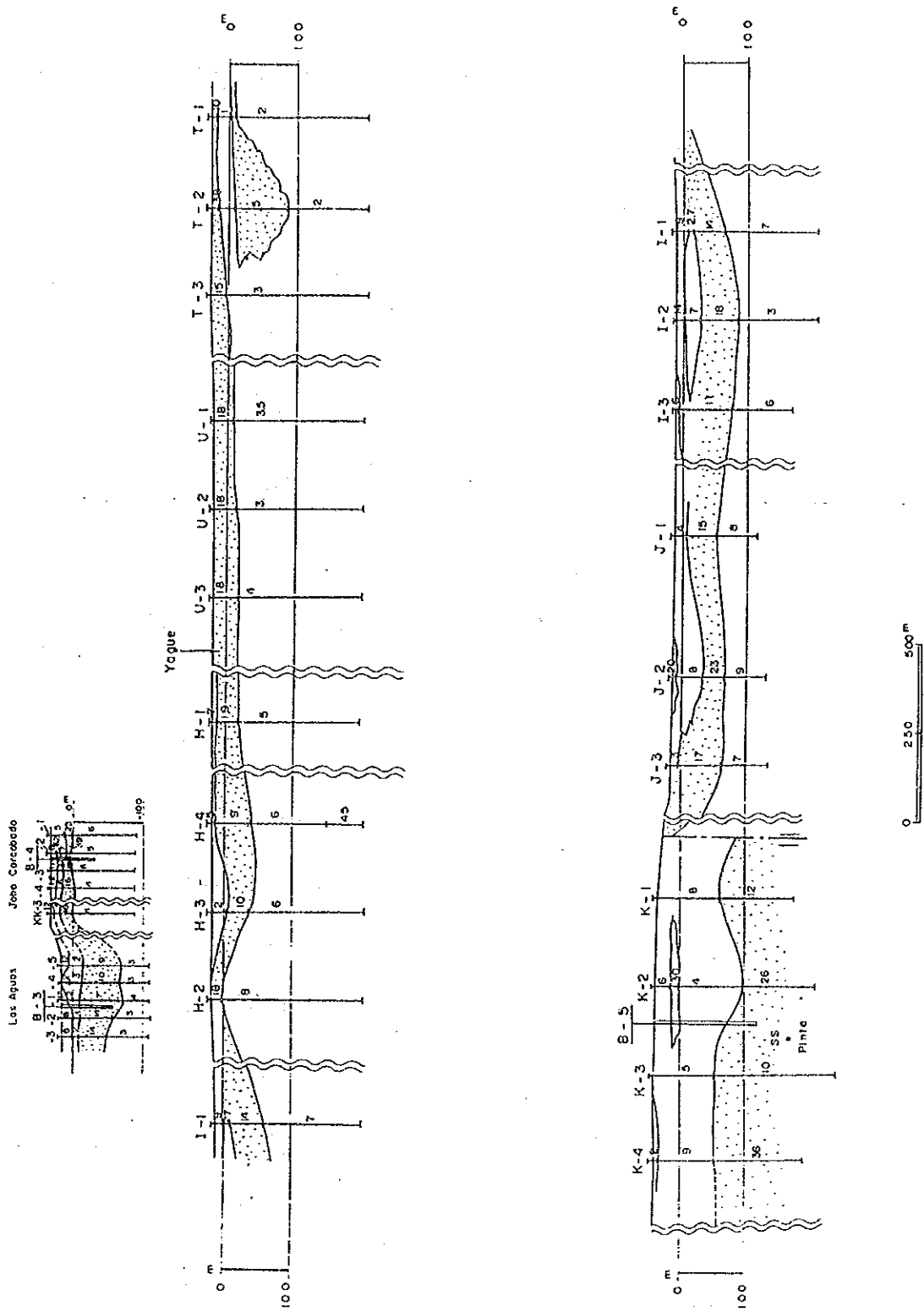


Fig. 3.9 (1) Resistivity Section

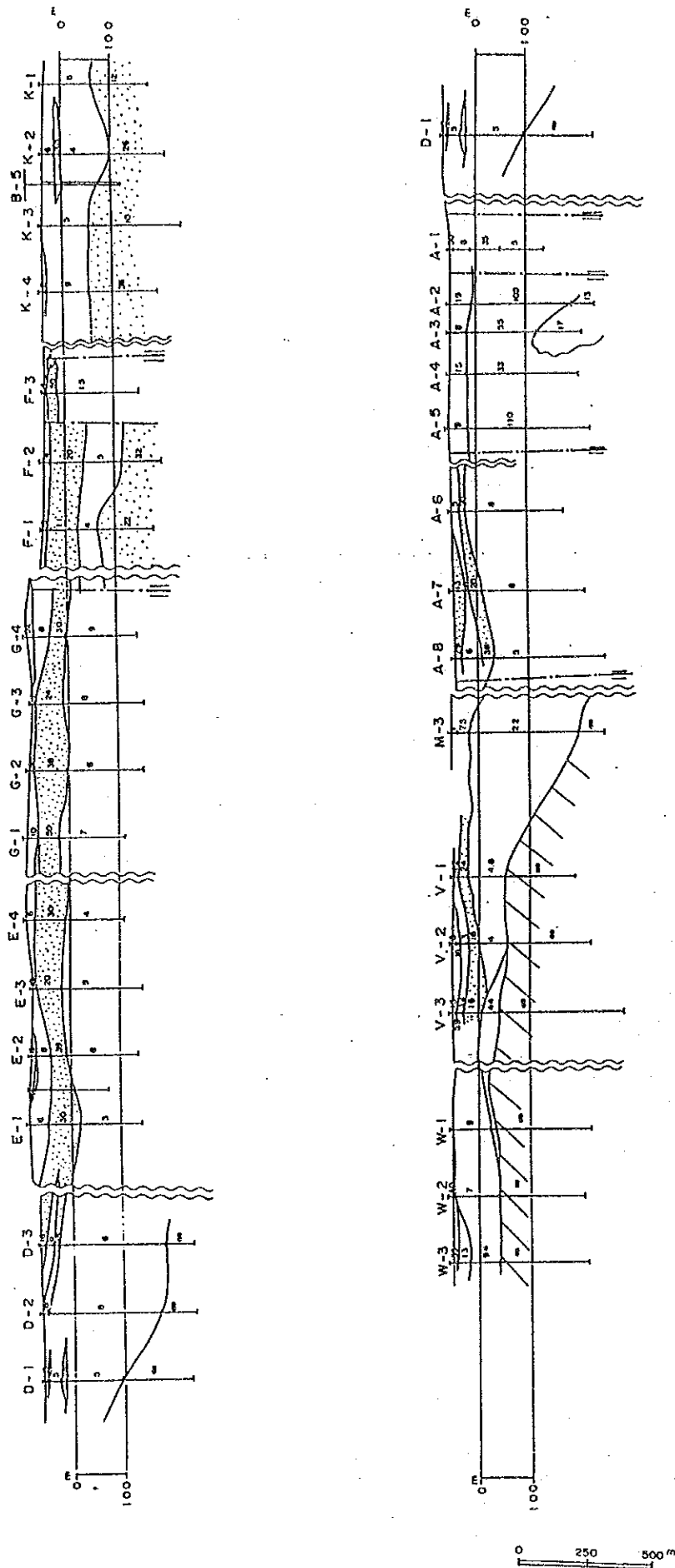


Fig. 3.9 (2) Resistivity Section



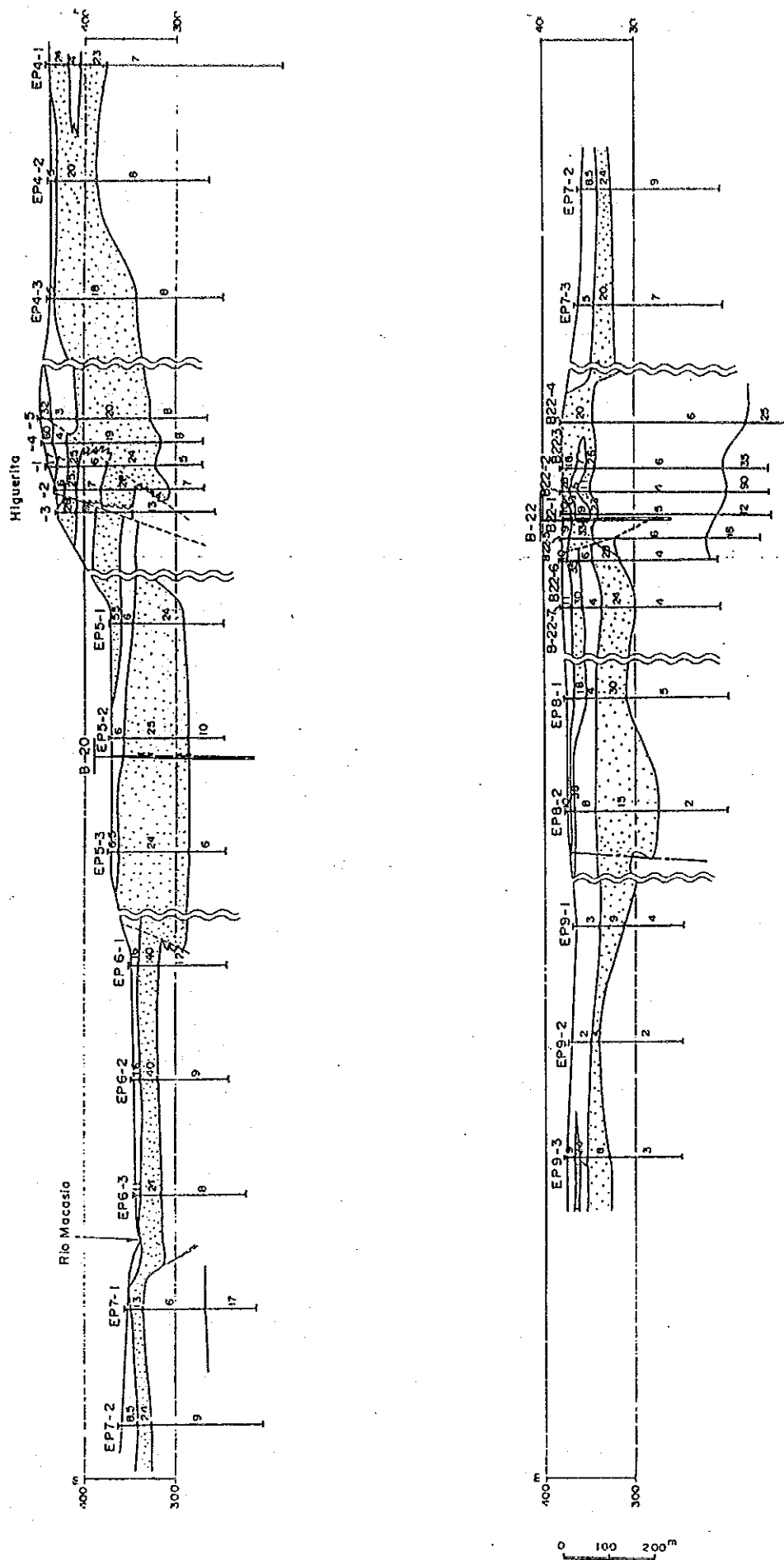


Fig. 3.9 (3) Resistivity Section

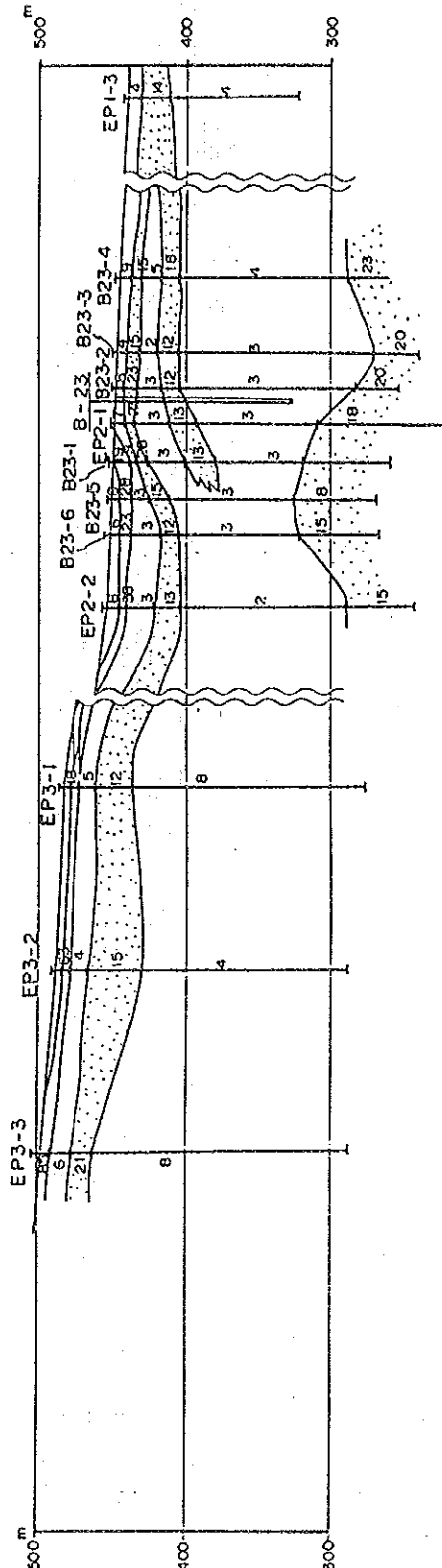
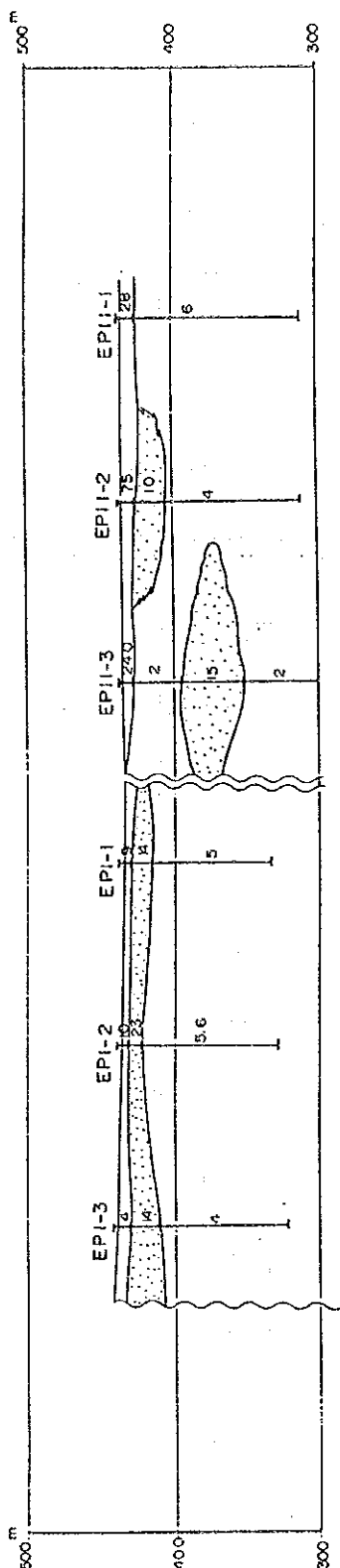


Fig. 3.9 (4) Resistivity Section

D-18  
 El Cajuil  
 Electrode Spacing 10m  
 Station Interval 10m  
 Exploration Depth 15m

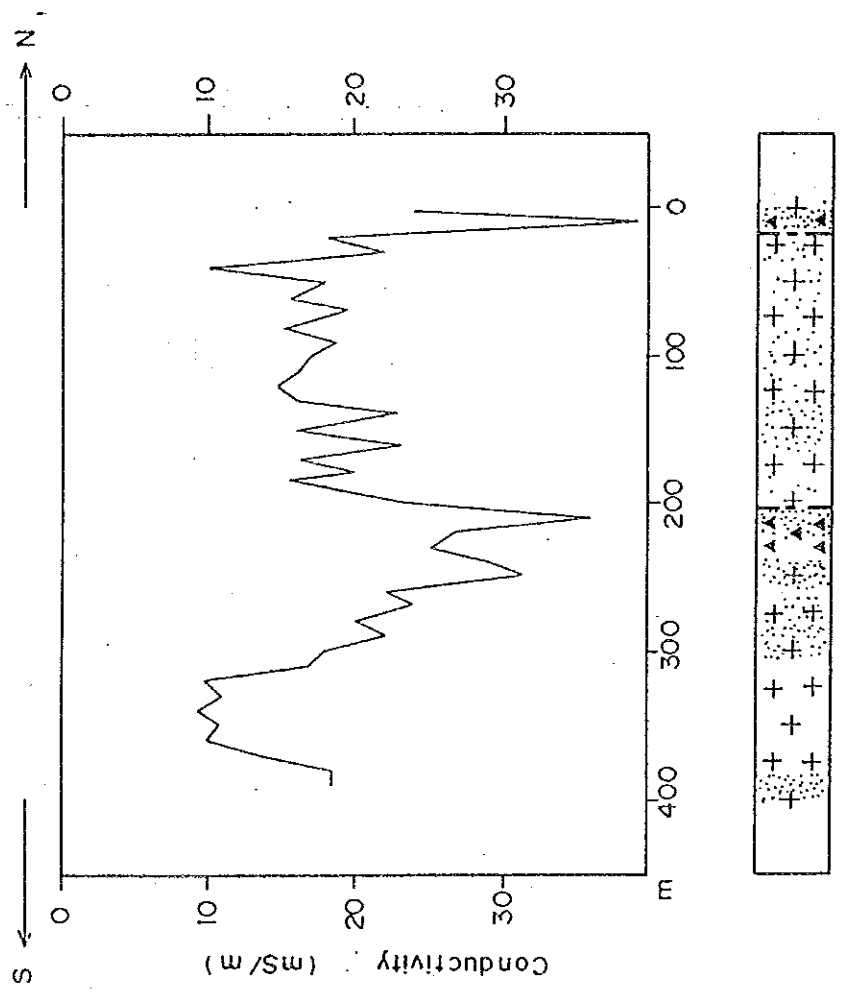


Fig. 3.10 (1) EM Profile

D-33  
 Piedra Blanca  
 Electrode Spacing 20m  
 Station Interval 20m  
 Exploration Depth 30m

SW ← → NE

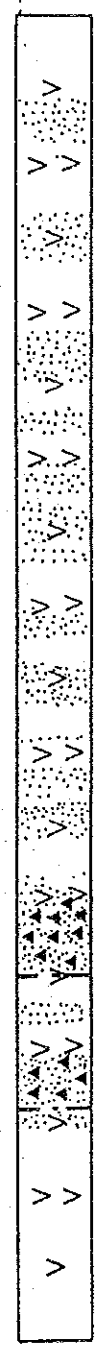
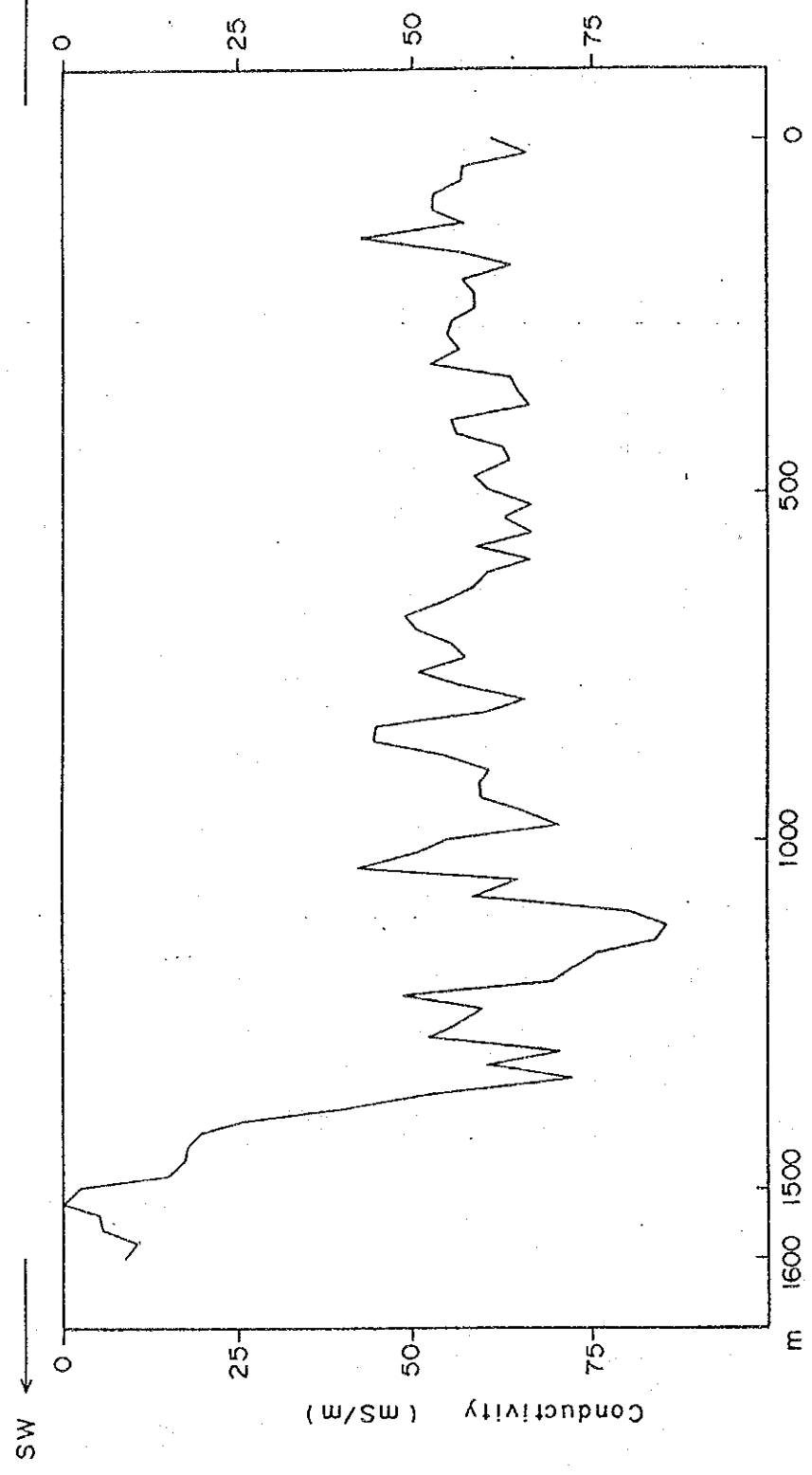
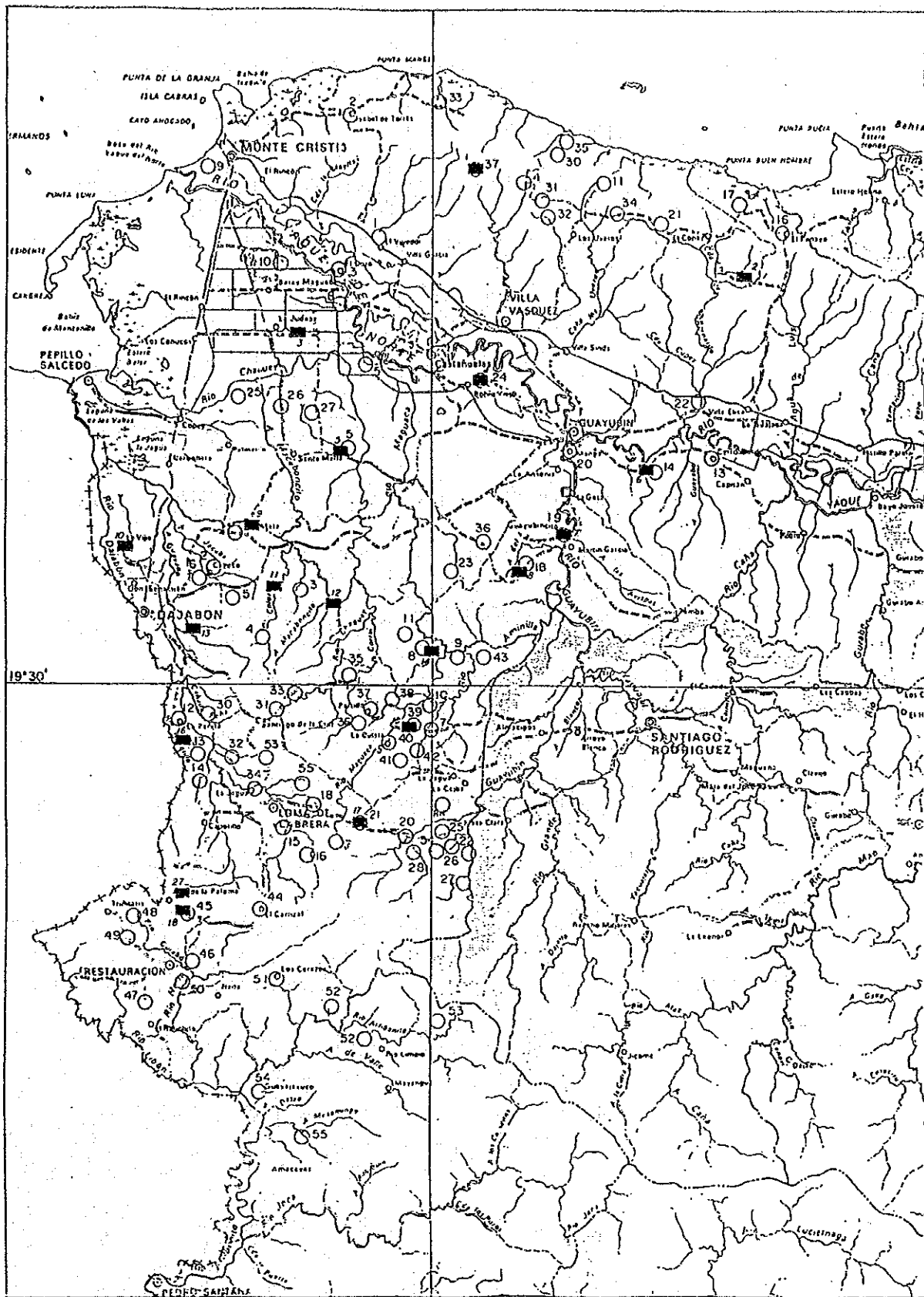


Fig. 3.10 (2) EM Profile



LEGEND

- Test Drilling and Drill No.
- Village needing Water supply and Village No.



Fig. 3.11 (1) Location of Test Drillings

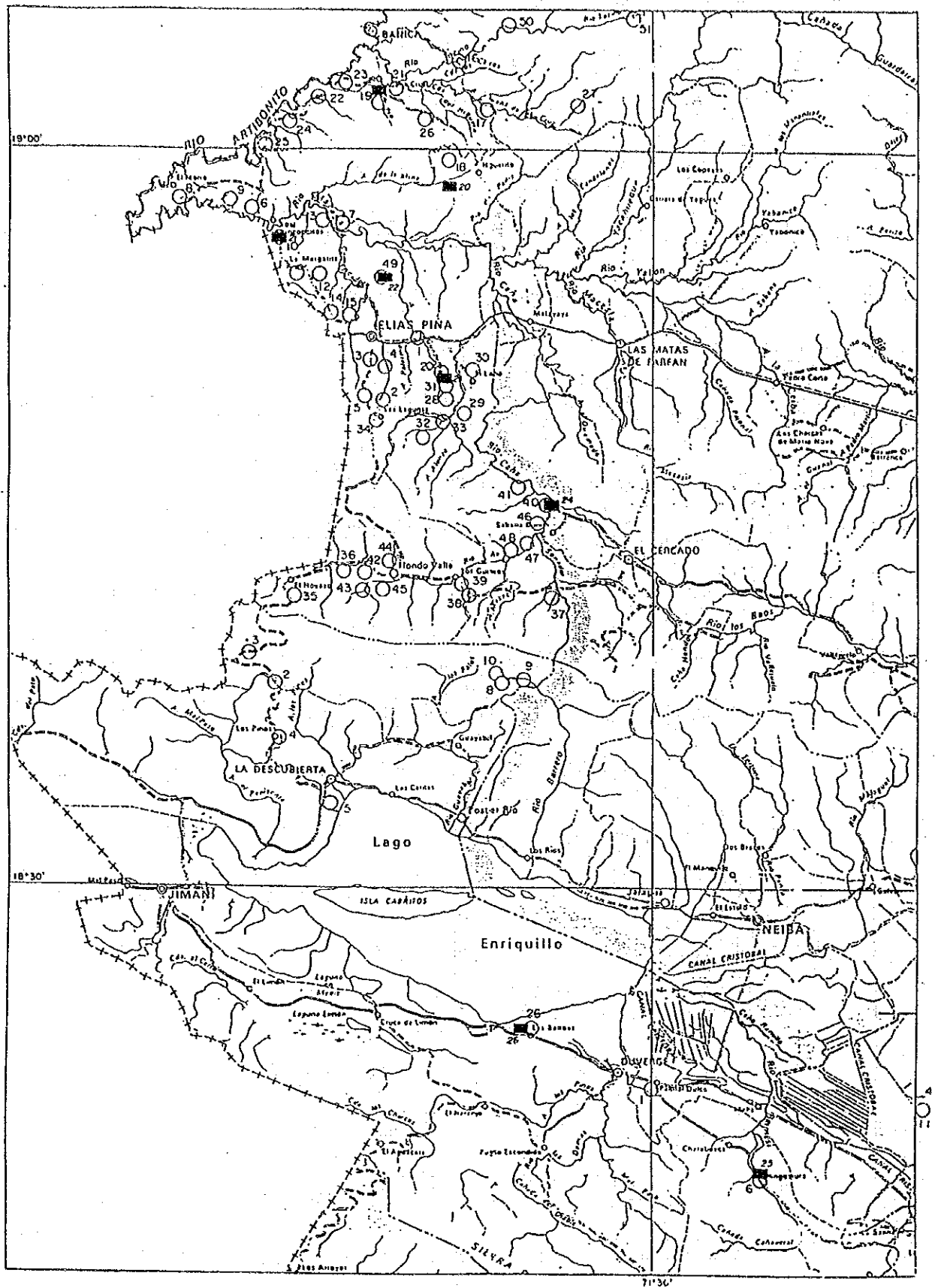


Fig. 3.11 (2) Location of Test Drillings

71°30'

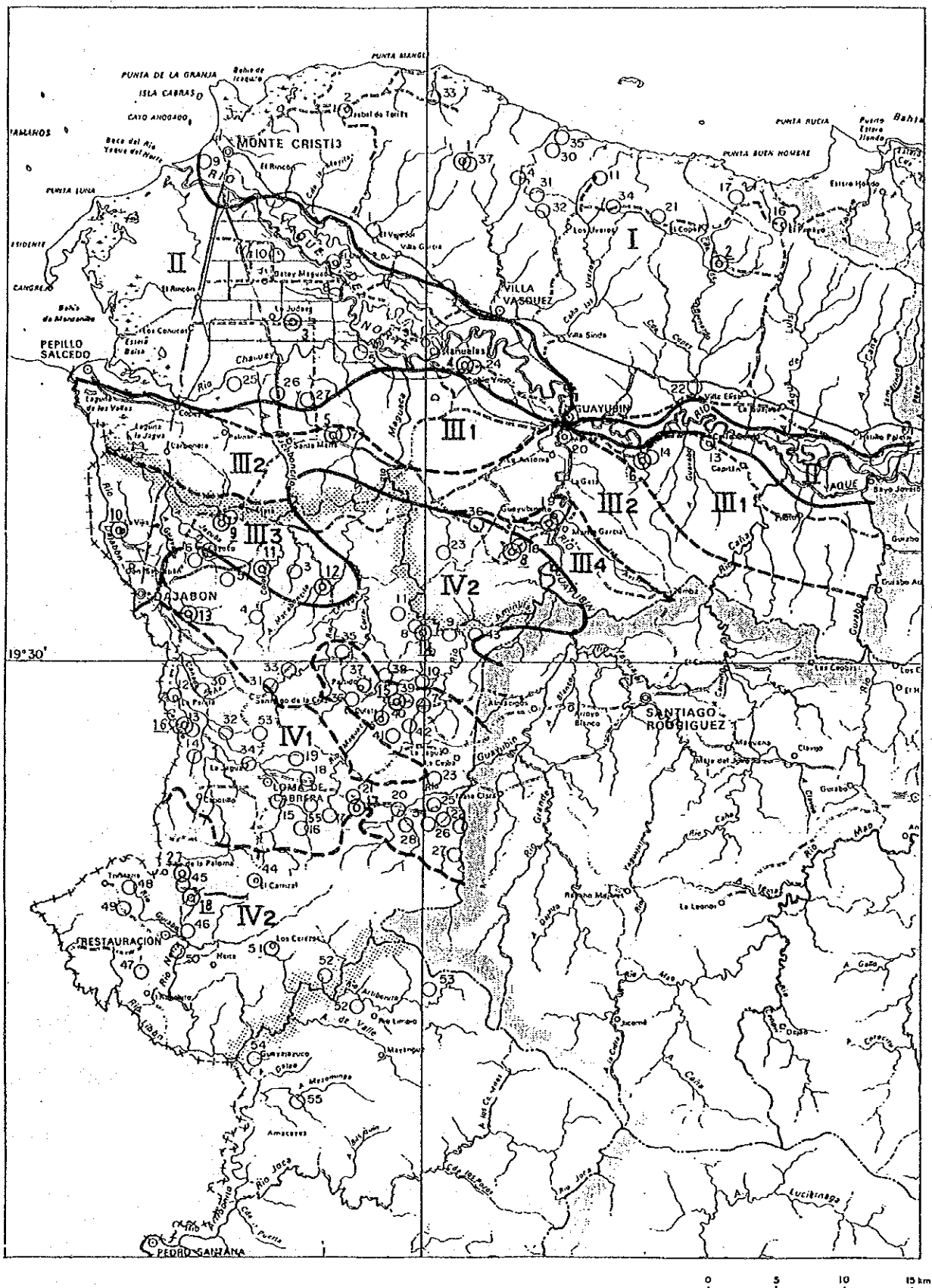


Fig. 3.12 Hydrogeological Province Map (1)

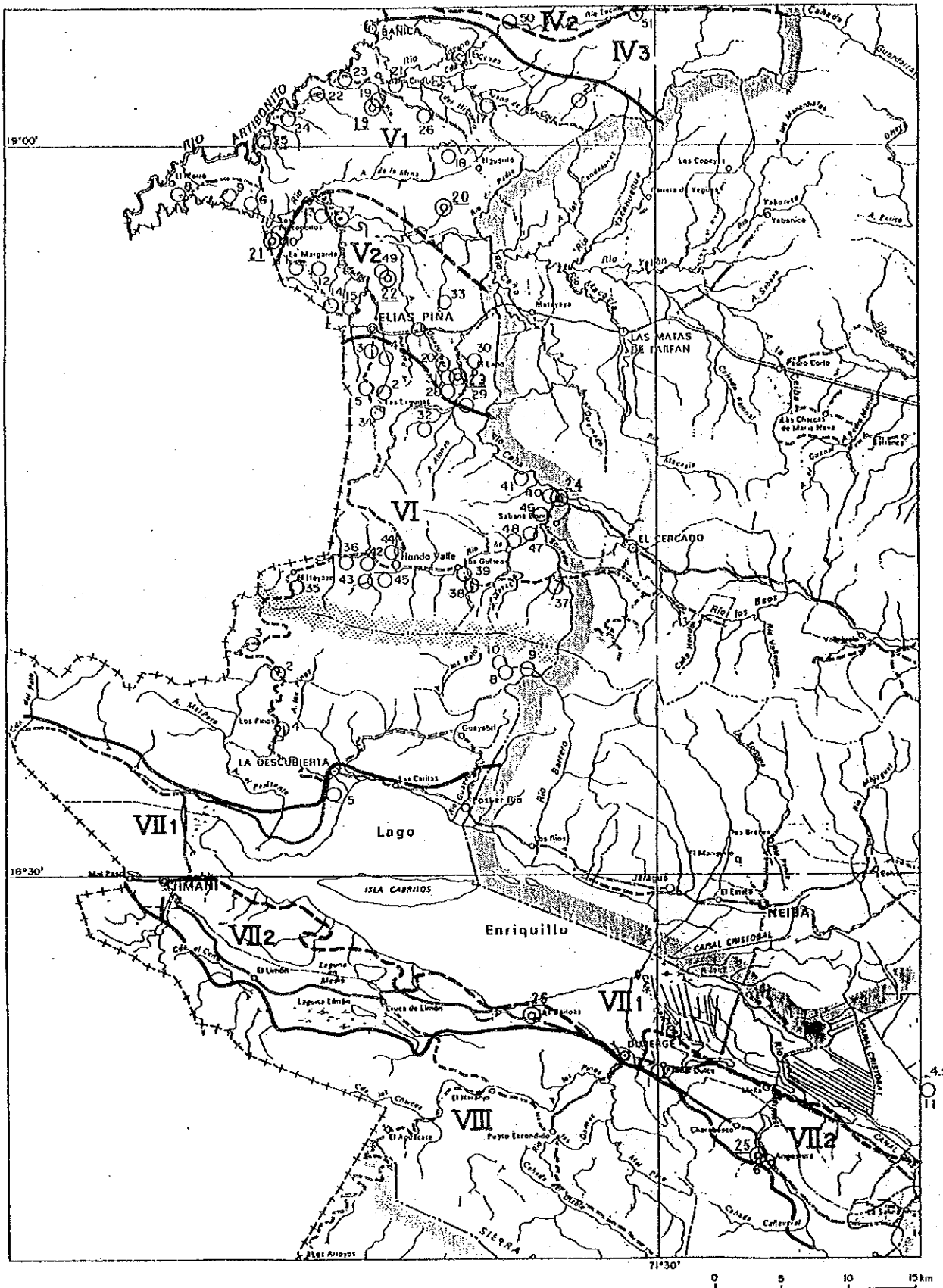
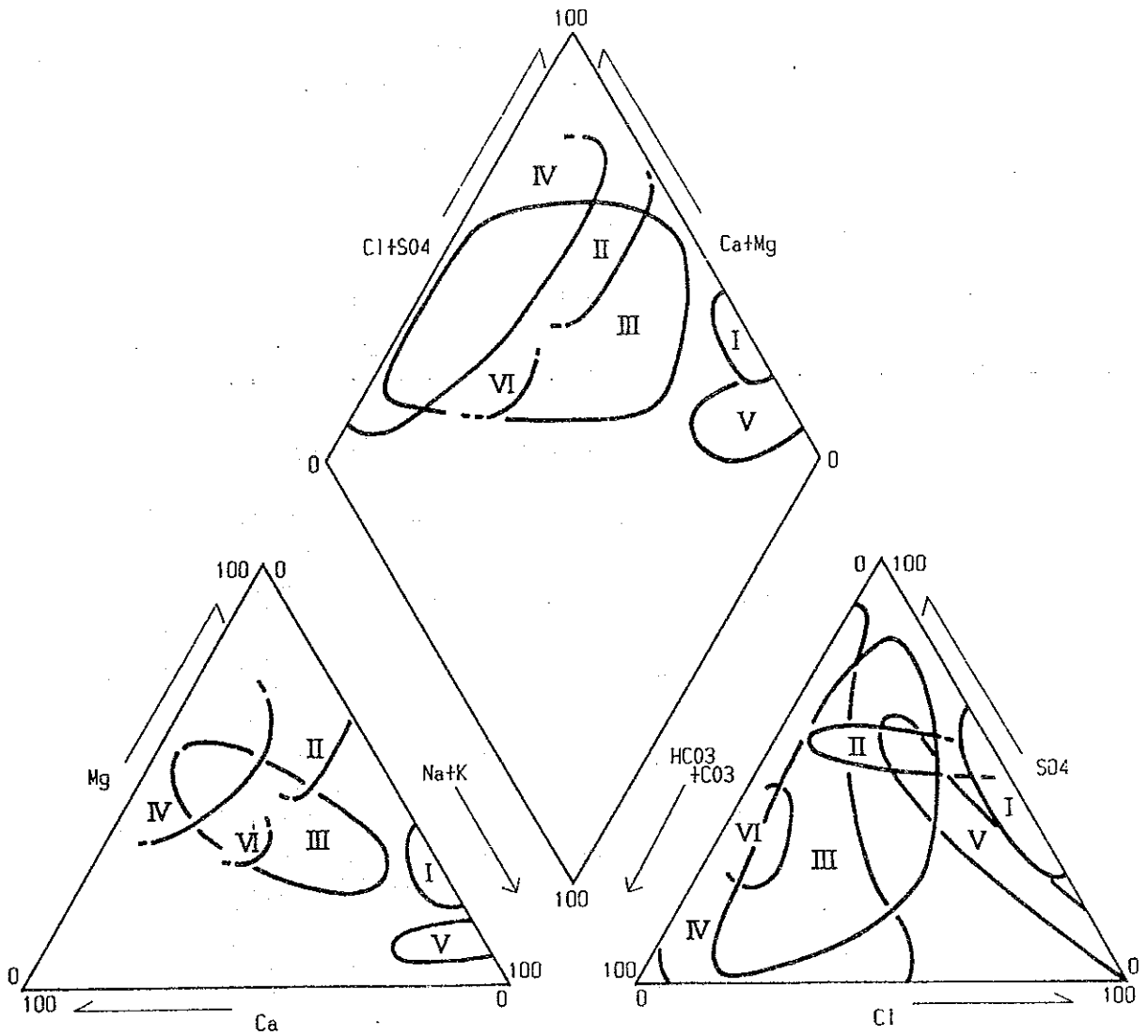


Fig. 3.12 Hydrogeological Province Map (2)





- \* Province VII : Scattered Data -- No apparent trend
- \* Province VIII : No Samples

**Fig. 3.13** Water Quality of the Hydrogeological Province

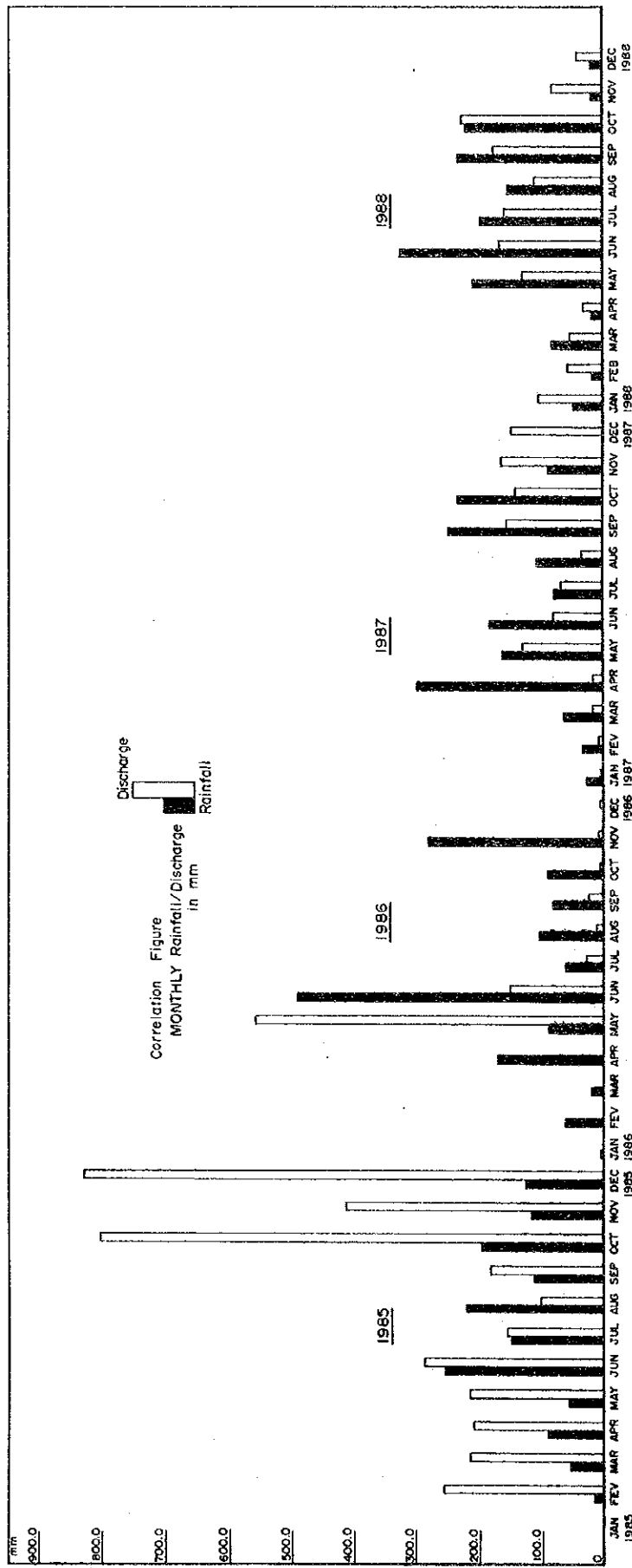
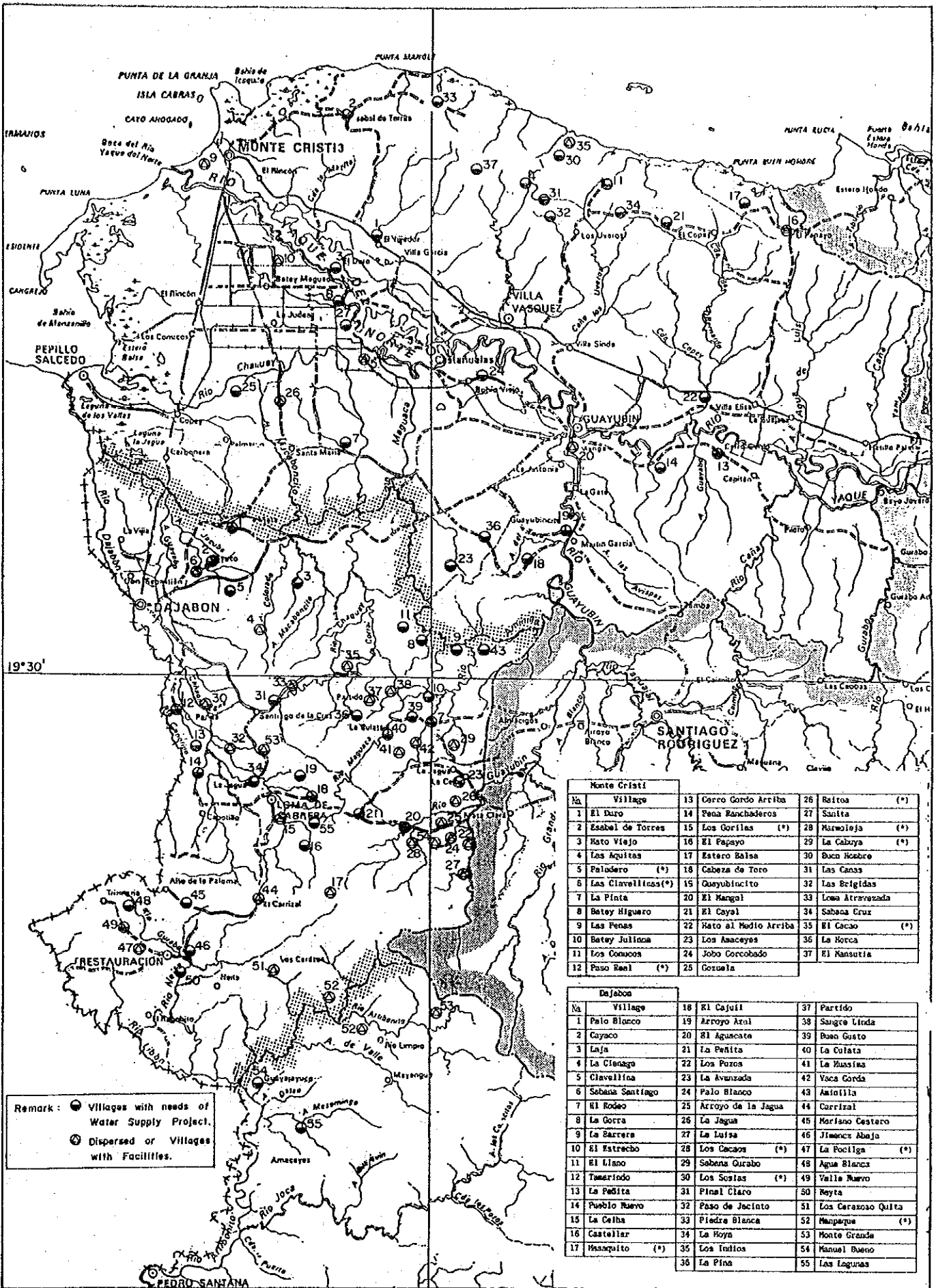


Fig. 3. 14 Monthly Discharge and Rainfall of Rio Masacre



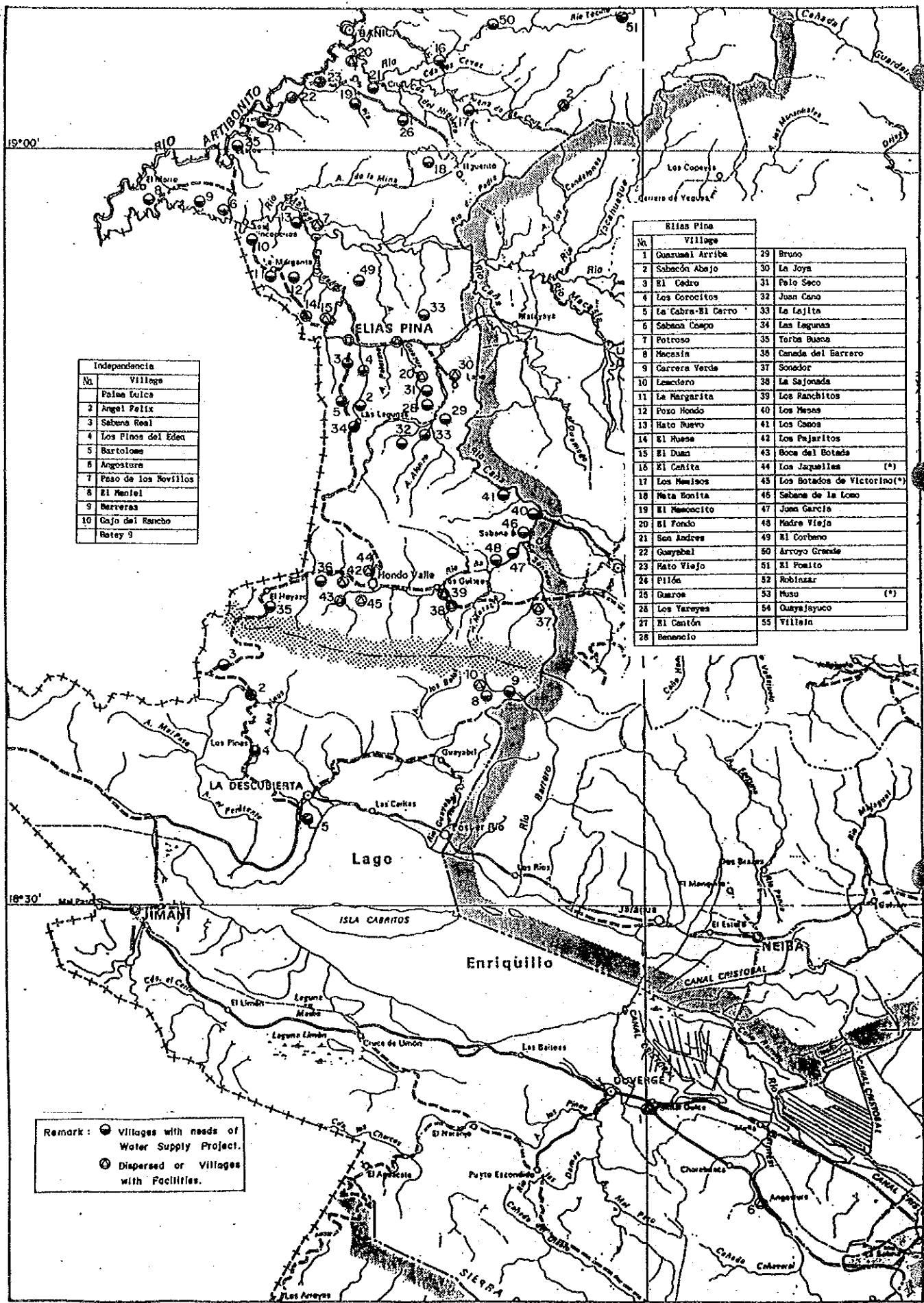
Remark: ● Villages with needs of Water Supply Project.  
 ○ Dispersed or Villages with Facilities.

Monte Cristi			
No.	Village		
1	El Duro	13	Carco Gordo Arriba
2	Esobel de Torres	14	Pena Ranchaderos
3	Hato Viejo	15	Los Corilas (*)
4	Las Aquitas	16	El Papsyo
5	Palomero (*)	17	Estero Balsa
6	Las Clavellinas(*)	18	Cabeza de Toro
7	La Pinta	19	Guayubincito
8	Batey Higuero	20	El Mangal
9	Las Penas	21	El Cayal
10	Batey Juliana	22	Hato al Medio Arriba
11	Los Conucos	23	Los Asaceyas
12	Paso Rael (*)	24	Jobo Corcobado
		25	Cozuela
		26	Beitosa (*)
		27	Santa
		28	Marsolajo (*)
		29	La Cabuya (*)
		30	Buen Hombre
		31	Las Casas
		32	Las Brigidas
		33	Loza Atravesada
		34	Sabana Cruz
		35	El Cacao (*)
		36	La Horca
		37	El Mansutia

Dajabon			
No.	Village		
1	Palo Blanco	18	Ri Cajuil
2	Cayaco	19	Arroyo Azul
3	Laja	20	El Aguacate
4	La Cienaga	21	La Peña
5	Clavellina	22	Los Pozos
6	Sobana Santiago	23	La Avanzada
7	El Rodeo	24	Palo Blanco
8	La Corra	25	Arroyo de la Jagua
9	La Barrera	26	La Jagua
10	El Estrecho	27	La Laja
11	El Llano	28	Los Cacaos (*)
12	Tamarindo	29	Sabana Quirabo
13	La Pedita	30	Los Sosias (*)
14	Pueblo Nuevo	31	Pinal Claro
15	La Celba	32	Paso de Jacinto
16	Castellar	33	Piedra Blanca
17	Masquito (*)	34	La Hoya
		35	Los Indios
		36	La Pina
		37	Partido
		38	Sangre Linda
		39	Buen Gusto
		40	La Culata
		41	La Huasina
		42	Vaca Gorda
		43	Aminilla
		44	Carrizal
		45	Mariano Castero
		46	Jimenez Abajo
		47	La Poeliga (*)
		48	Agua Blanca
		49	Valle Nuevo
		50	Reyta
		51	Los Caracazo Quita
		52	Maspague (*)
		53	Monte Grande
		54	Manuel Bueno
		55	Las Lagunas

Fig. 3.15 (I) Villages Location Map (1/2)

0 5 10 15 km



Independencia	
Nº	Village
1	Palma Dulca
2	Angel Felix
3	Sabana Real
4	Los Pinos del Eden
5	Bartolome
6	Argostura
7	Paso de los Novillos
8	El Menel
9	Barreras
10	Cajo del Rancho
	Batey 9

Elias Pina		
Nº	Village	
1	Guamual Arriba	29 Bruno
2	Sabana Abajo	30 La Joya
3	El Cedro	31 Palo Seco
4	Los Corocitos	32 Juan Cano
5	La Caba-El Cerro	33 La Lejita
6	Sabana Compo	34 Las Lagunas
7	Potroso	35 Torba Buena
8	Mecasia	36 Canada del Barrero
9	Carrera Verda	37 Sonador
10	Lencidero	38 La Sejonada
11	La Margarita	39 Los Ranchitos
12	Pozo Hondo	40 Los Meses
13	Hato Nuevo	41 Los Casos
14	El Museo	42 Los Pajaritos
15	El Duan	43 Boca del Botada
16	El Cahita	44 Los Jaquelines (*)
17	Los Muisos	45 Los Botados de Victorino(*)
18	Mata Bonita	46 Sabana de la Loma
19	El Mamecico	47 Juan Garcia
20	El Fondo	48 Madre Vieja
21	San Andres	49 El Corbano
22	Guayabal	50 Arroyo Grande
23	Hato Viejo	51 El Posito
24	Piñón	52 Robinsonar
25	Guaros	53 Musu (*)
26	Los Yareyes	54 Guayajayaco
27	El Canton	55 Villain
28	Benancio	

Remark: ● Villages with needs of Water Supply Project.  
○ Dispersed or Villages with Facilities.

Fig 3. 15 (2) Villages Location Map (2/2)

0 5 10 15 km


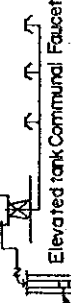


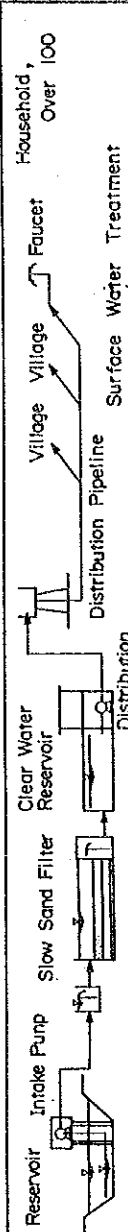



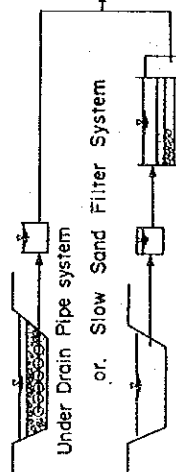
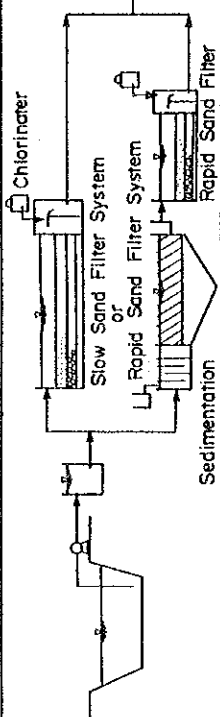
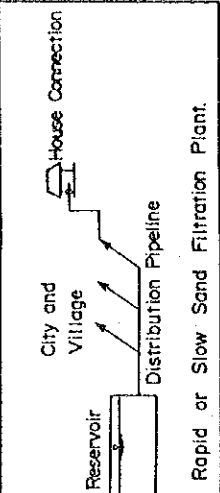
Water Source	Water Supply System	Standard Condition
G. Groundwater	1) 	Householded ; Under 50 and Over 20 Water Level ; hd < 40m
	2) 	Householded ; Over 50 Water level ; hd < 40m
	3) 	Population ; 200-400, Wind Velocity 3.0 m/s Water Level ; hd < 40m
I) Rain Water	1) 	Collected from Tank or Reservoir
	2) 	Surface Water Treatment
S. Surface Water	1) 	Collected by Person
	2) 	Collected by Public
III) River	1) 	Collected by Person, boiled before Drinking
IV) Stream	2) 	Semi Water Treatment Plant. Without Chlorine Application
V) Irrigation Canal	3) 	Rapid or Slow Sand Filtration Plant.
VI) Reservoir	3) 	Rapid or Slow Sand Filtration Plant.

Fig 3.16.  
Classification of the Water Supply System

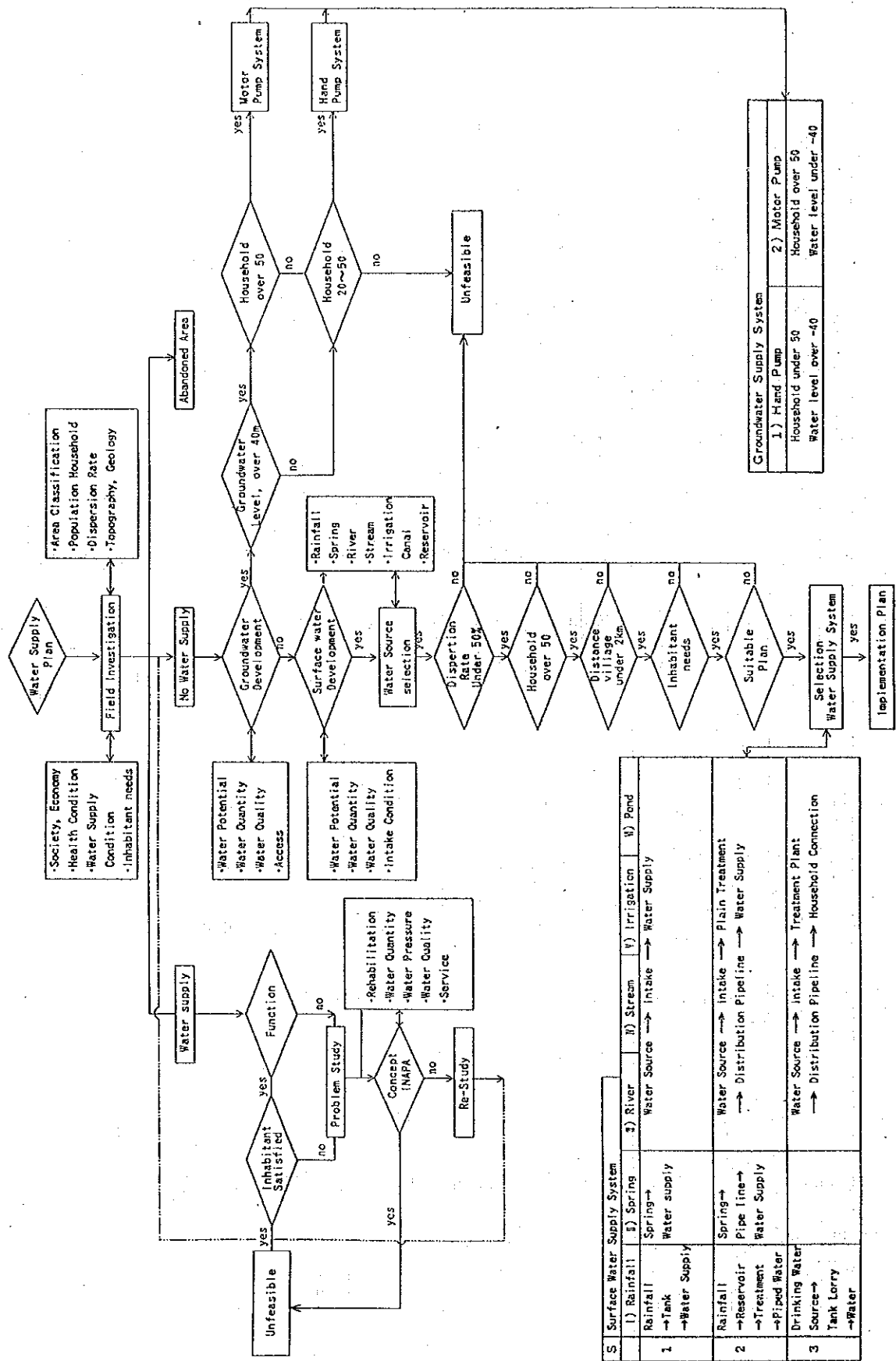


Fig. 4.1 Water Supply Development Planning Flow Chart

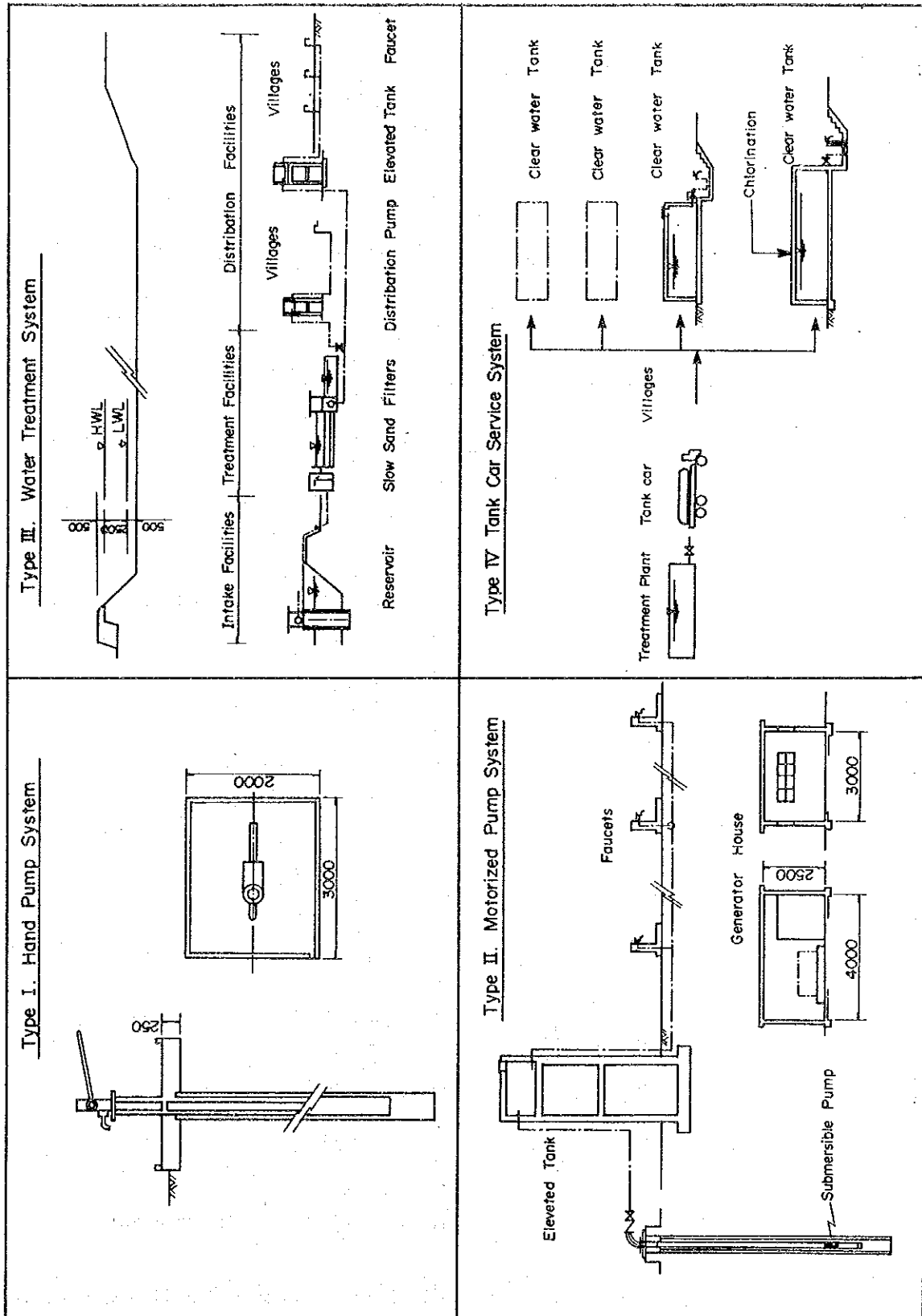


Fig. 4.2 Types of Proposed Water Supply Systems

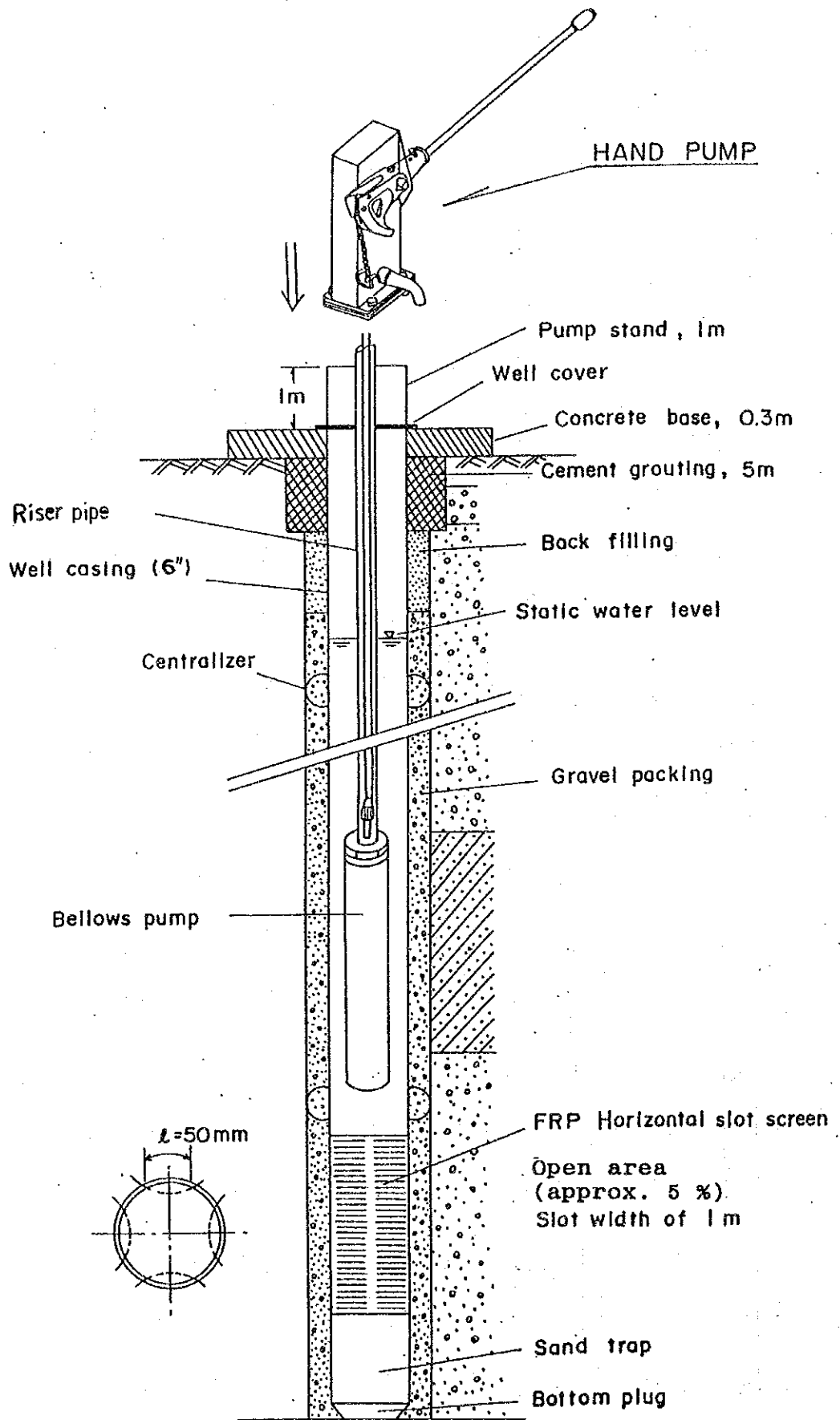


Fig. 5.1 Standard Design of the Well (Hand Pump)



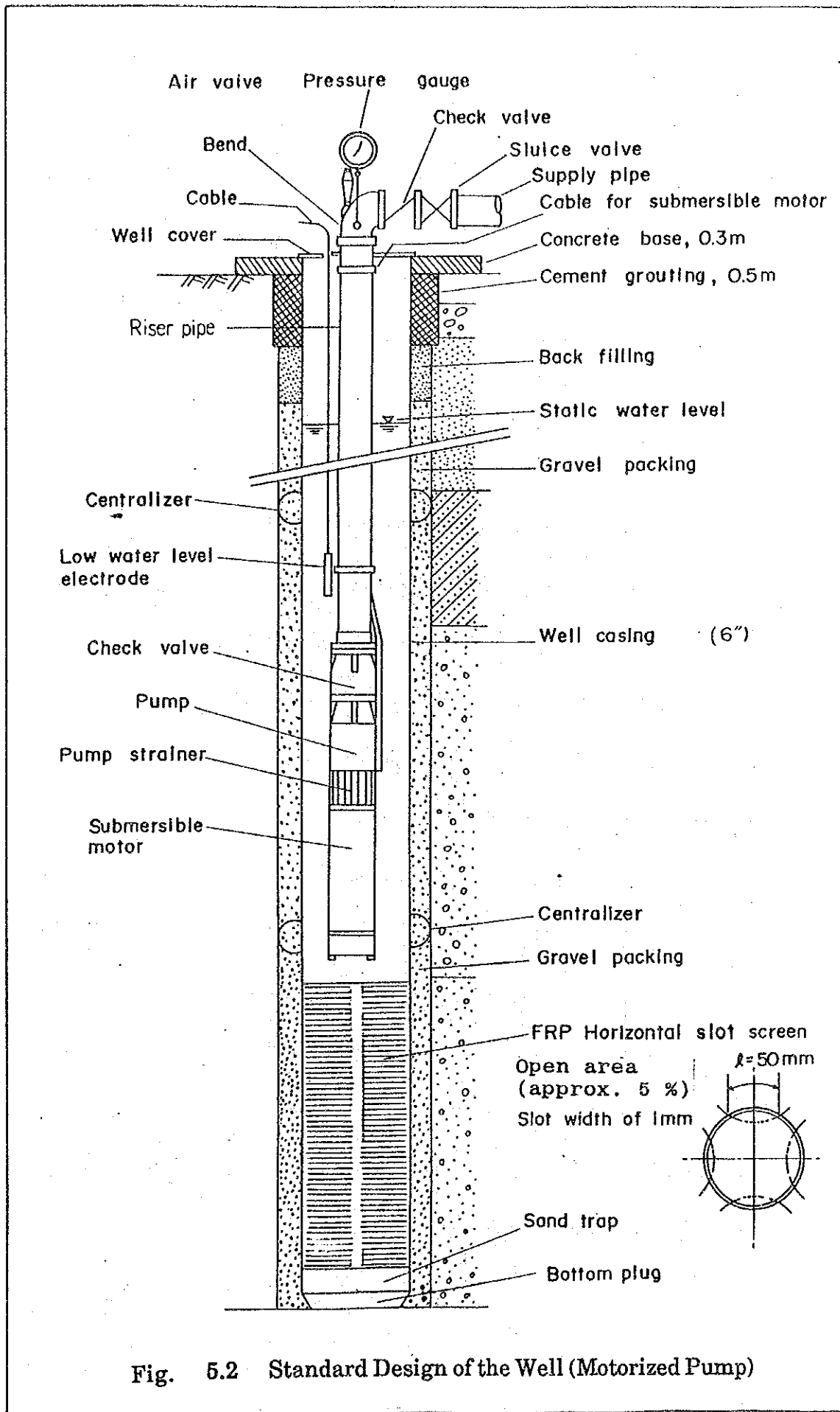
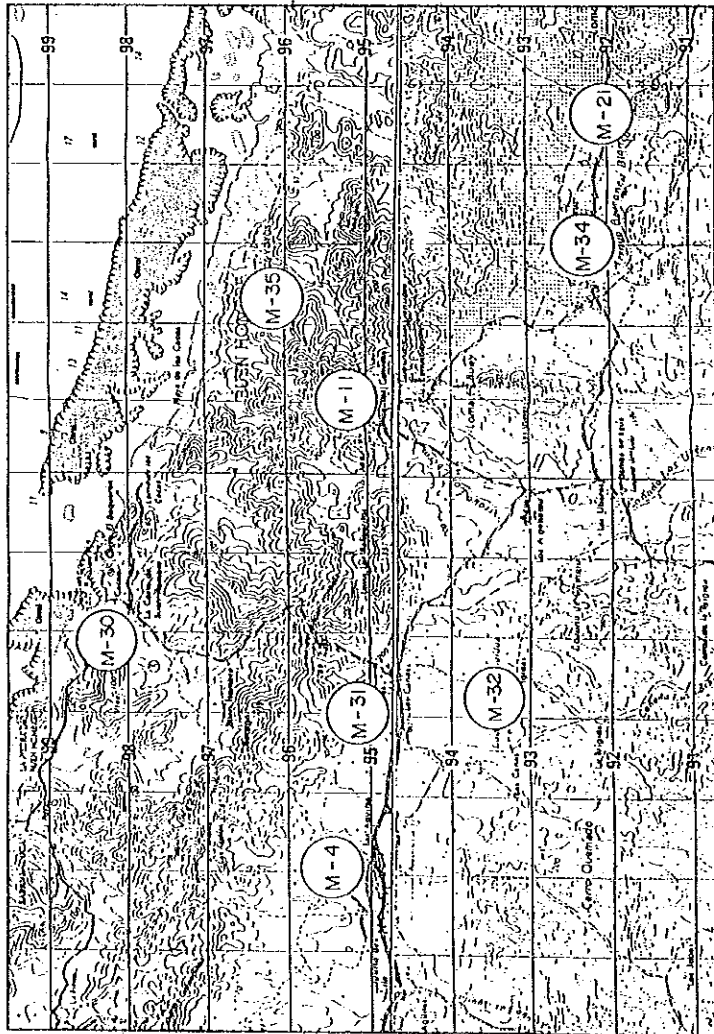
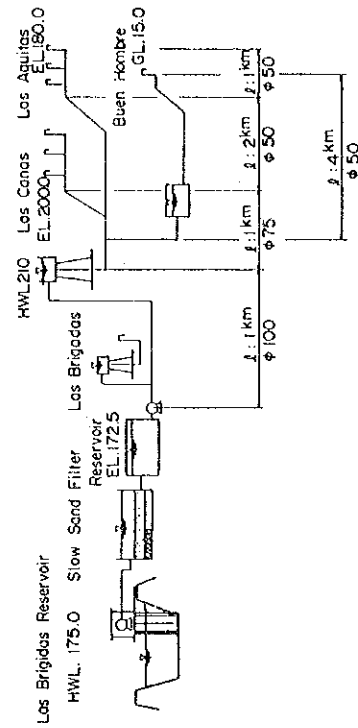


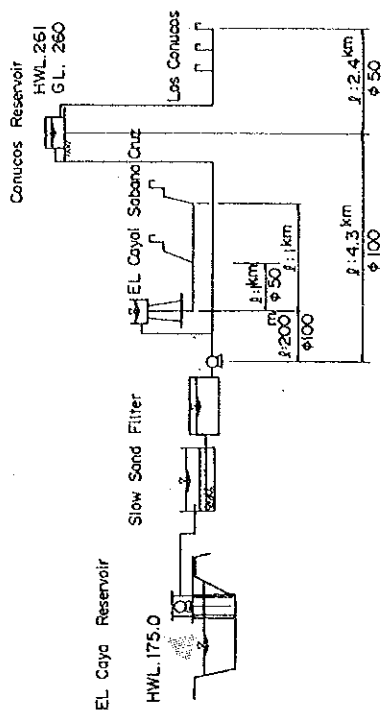
Fig. 5.2 Standard Design of the Well (Motorized Pump)



Central Treatment Plant System Flow Chart



East Treatment Plant System Flow Chart



Northern Mountain Central		Northern Mountain East	
No. Village	Household	No. Village	Household
4	Las Aquilas 153	11	Los Canucos 98
30	Buen Hombre 89	21	El Caya 97
31	Las Canas 70	34	Sabana Cruz 148
32	Las Brigadas 19		
	Total 331		Total 343
	Population Demand 692		Population Demand 1554
	Per Capita Demand 48 (69.0 l/d)		Per Capita Demand 51 (73.0 l/d)

Fig. 5.3 Type III Surface Water Treatment System

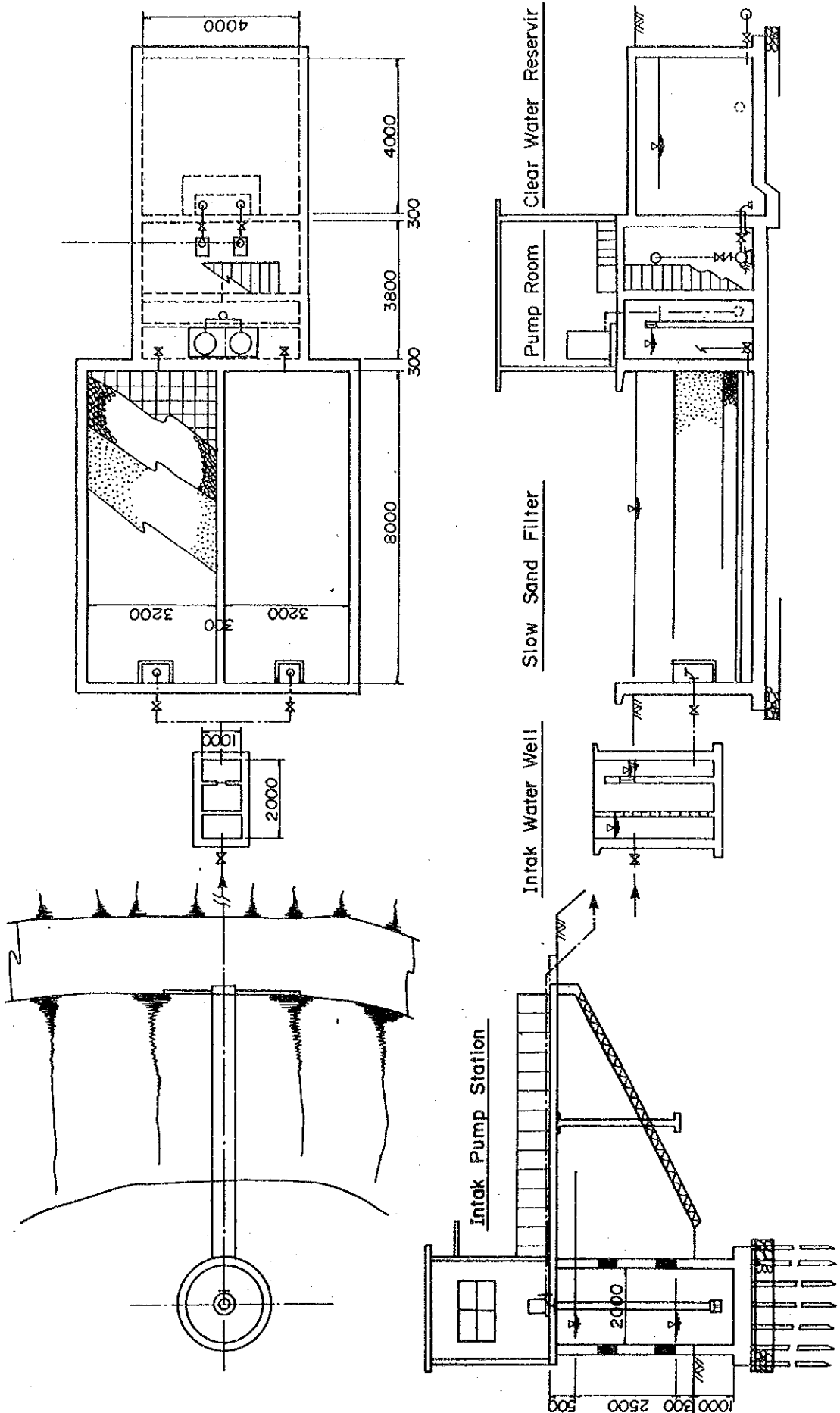


Fig. 5.4

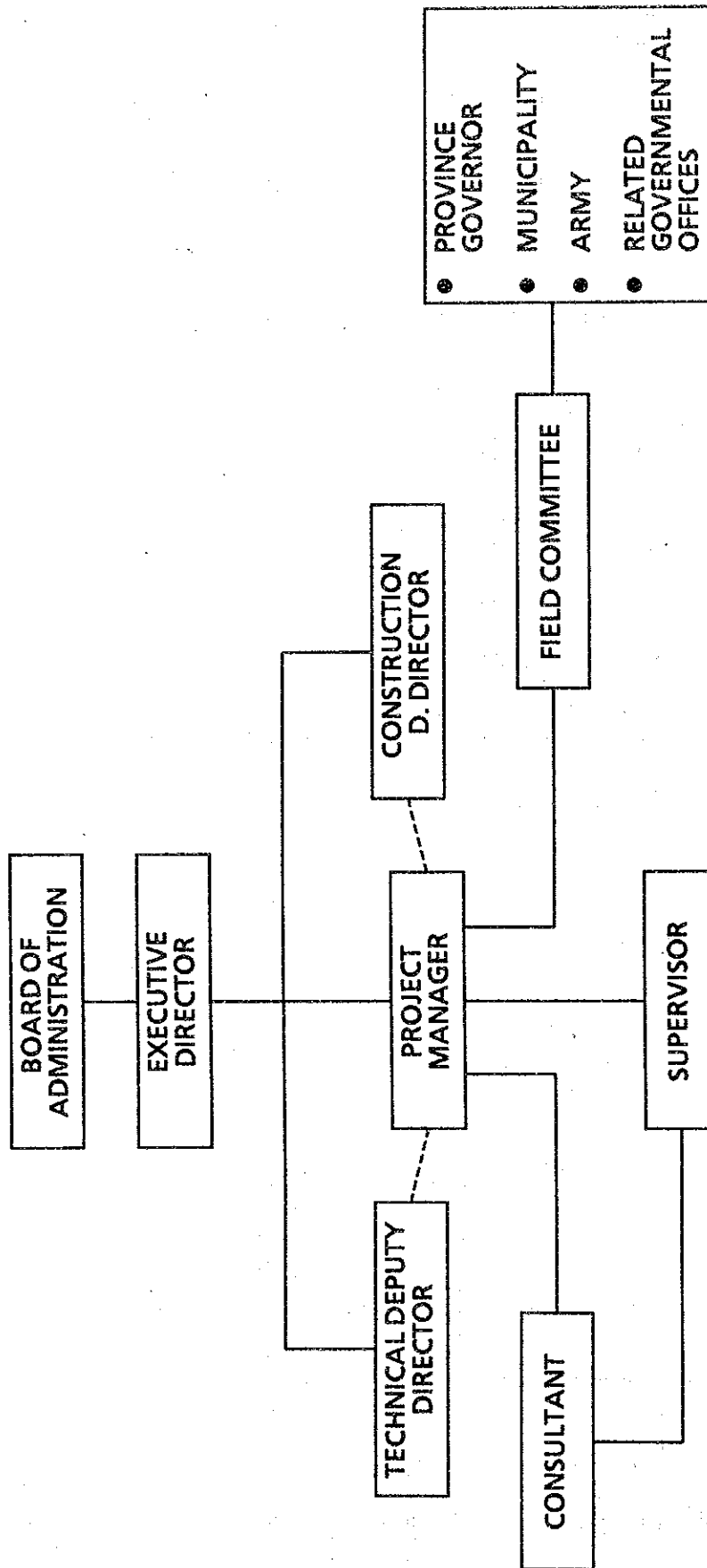


Fig. 7.1 Organization Chart for the Project Implementation

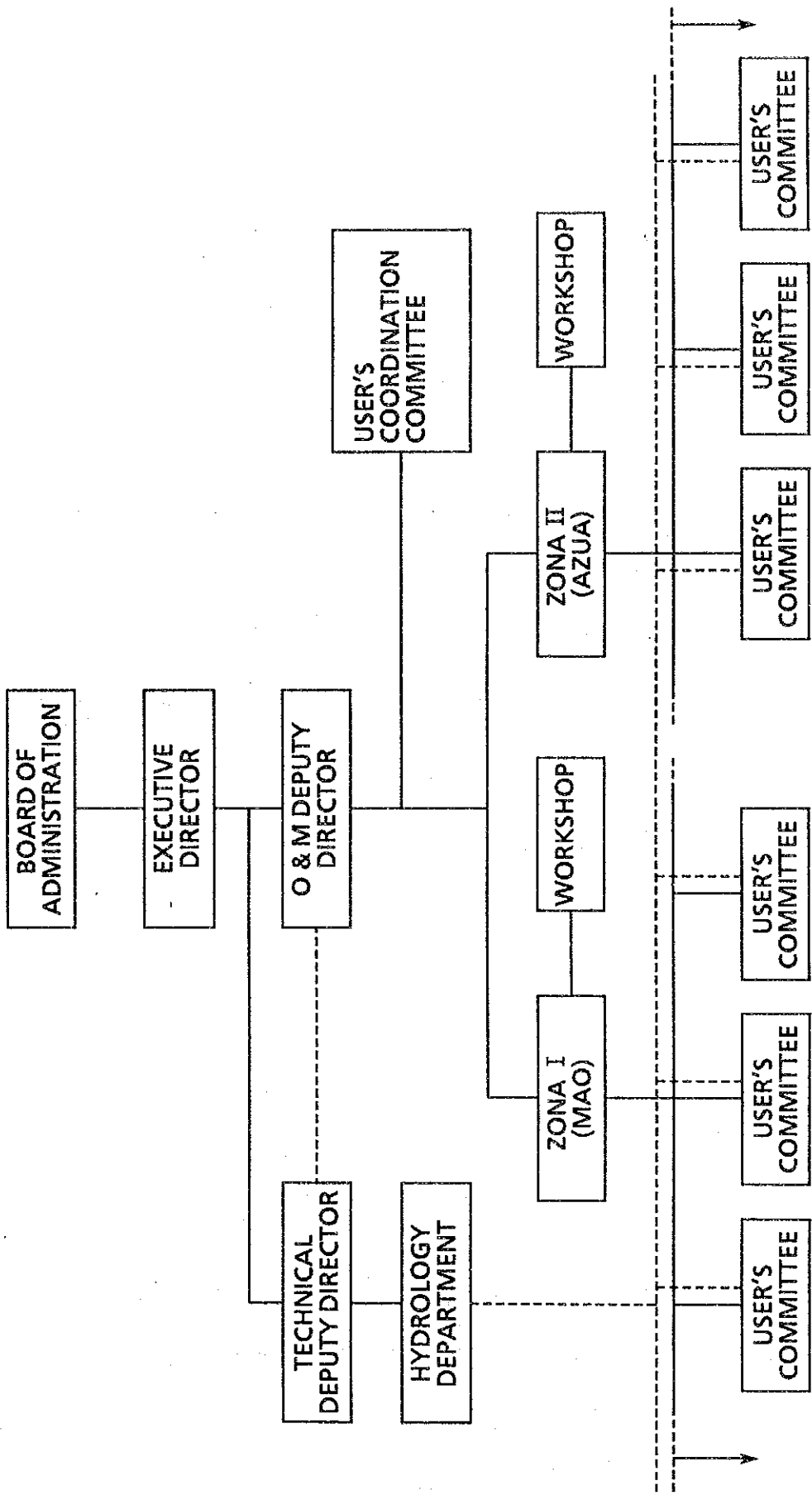


Fig. 8.1 Organization Chart for the Operation and Maintenance

