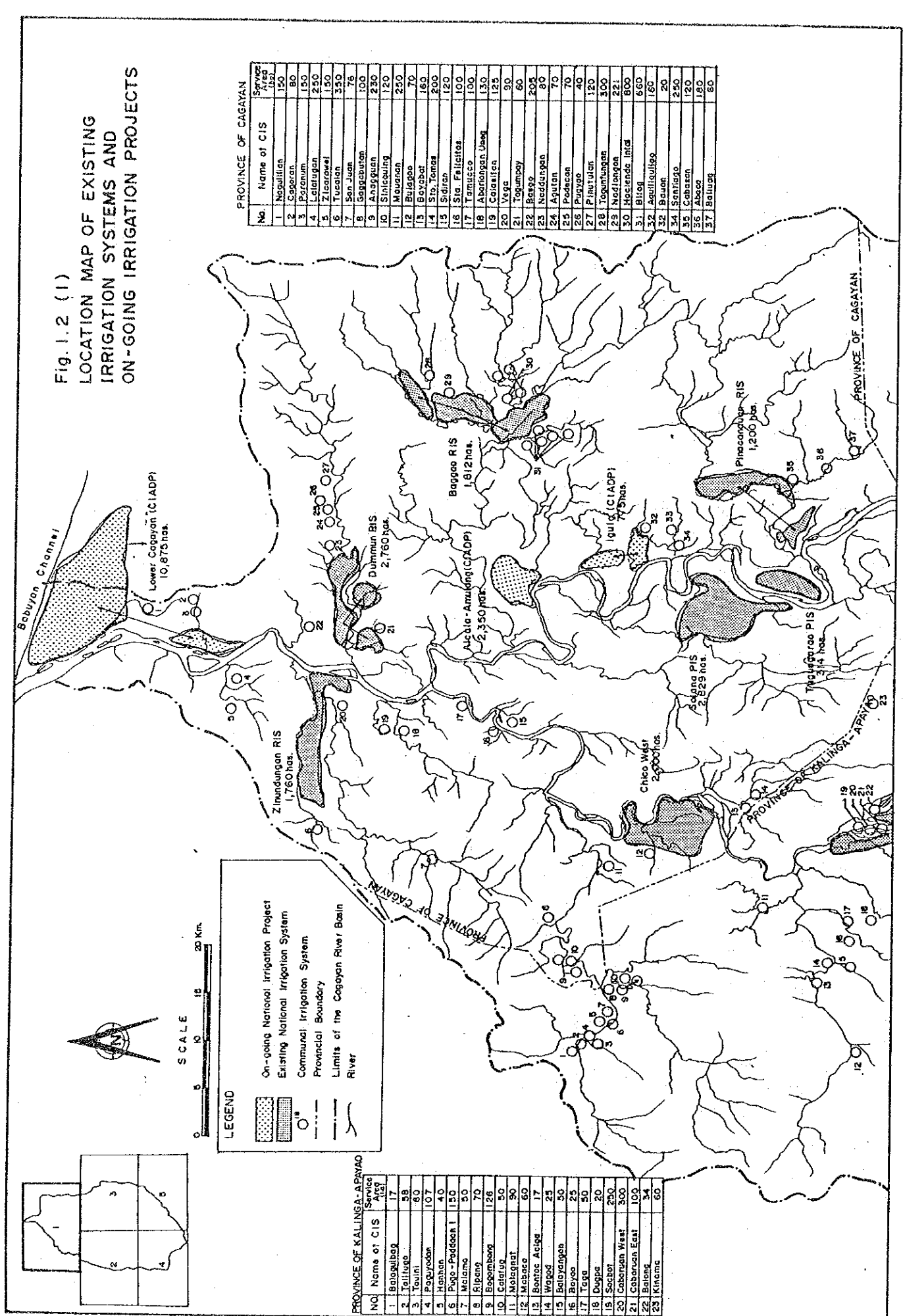


Fig. 1.2 (1)
LOCATION MAP OF EXISTING
IRRIGATION SYSTEMS AND
ON-GOING IRRIGATION PROJECTS



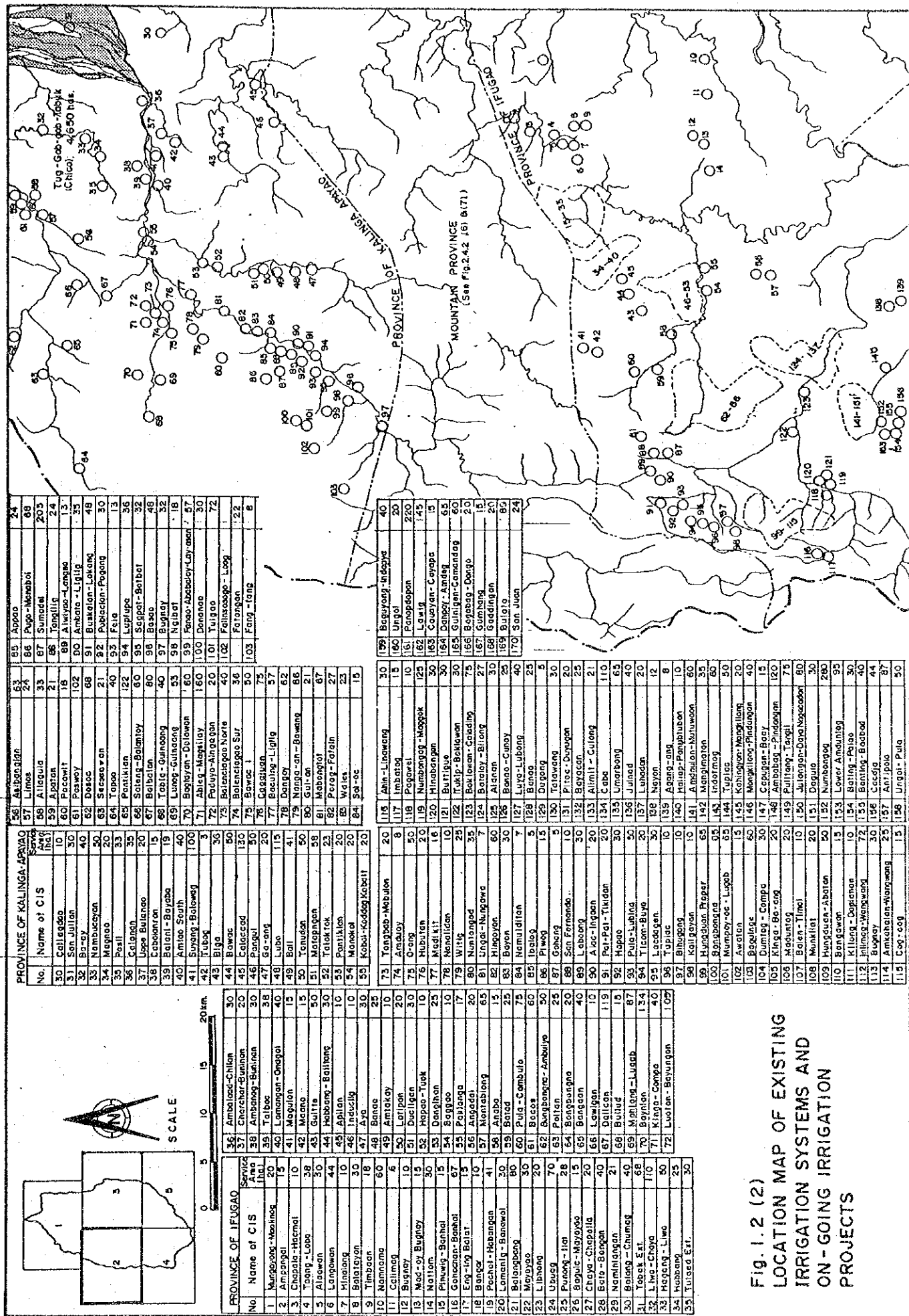
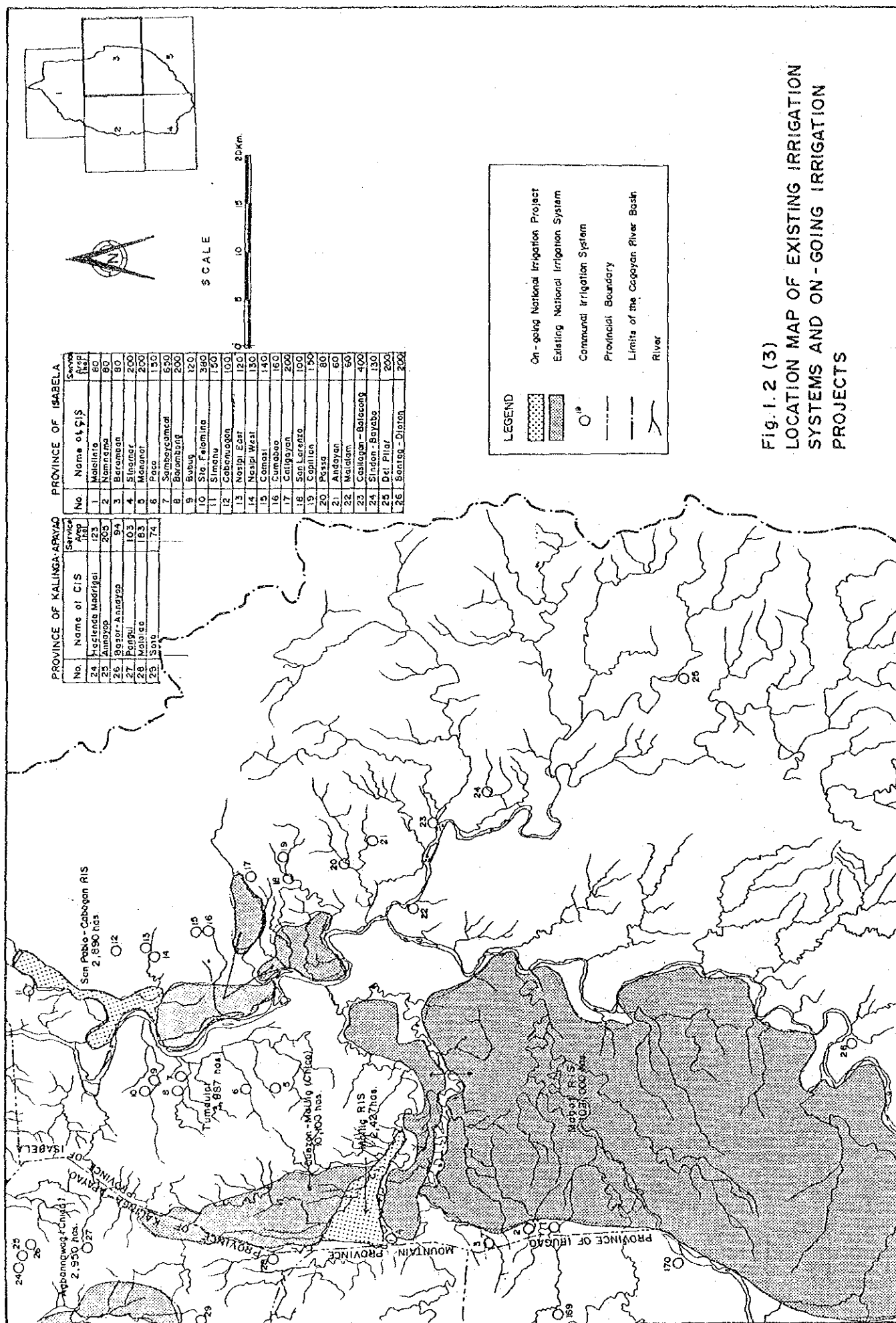
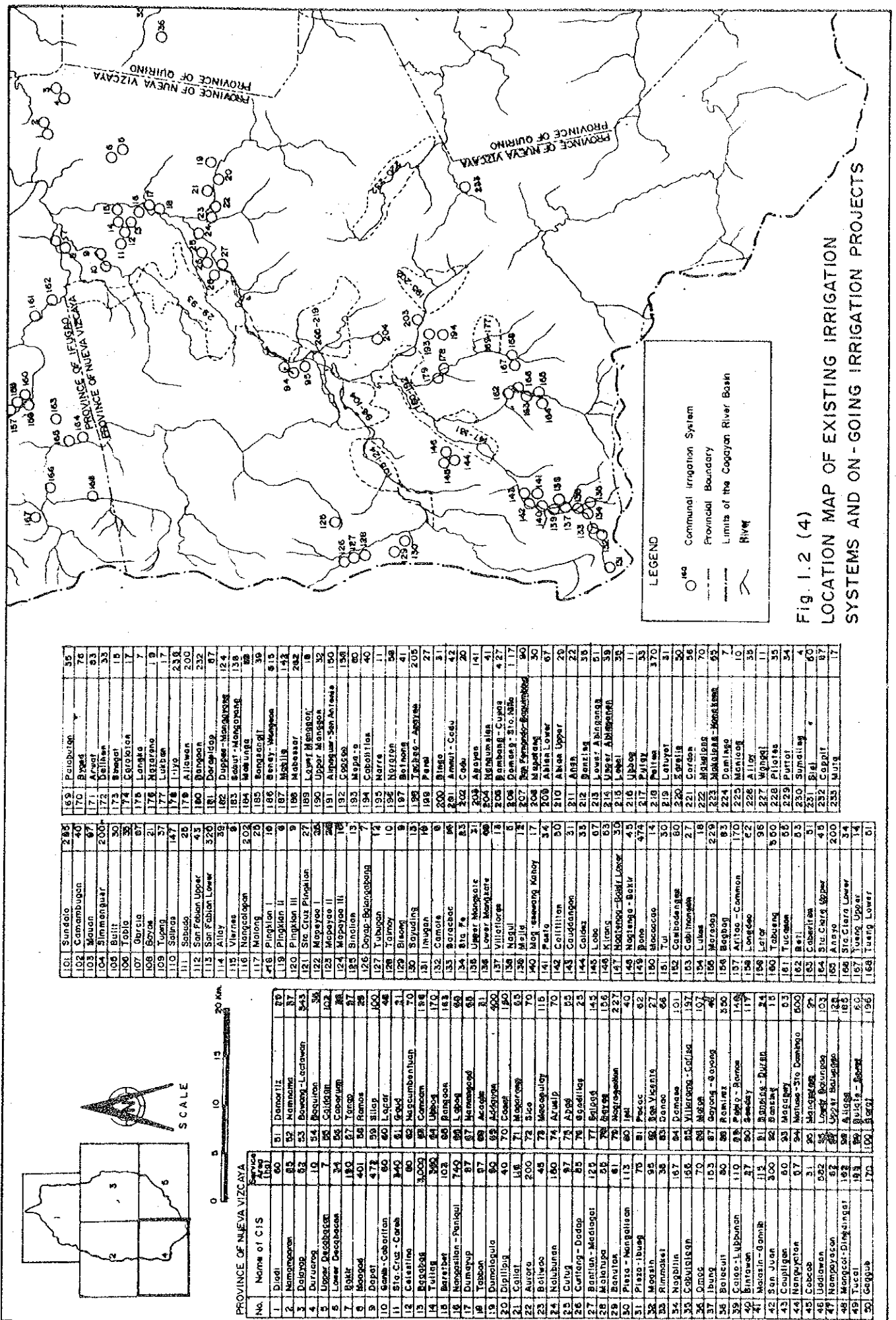
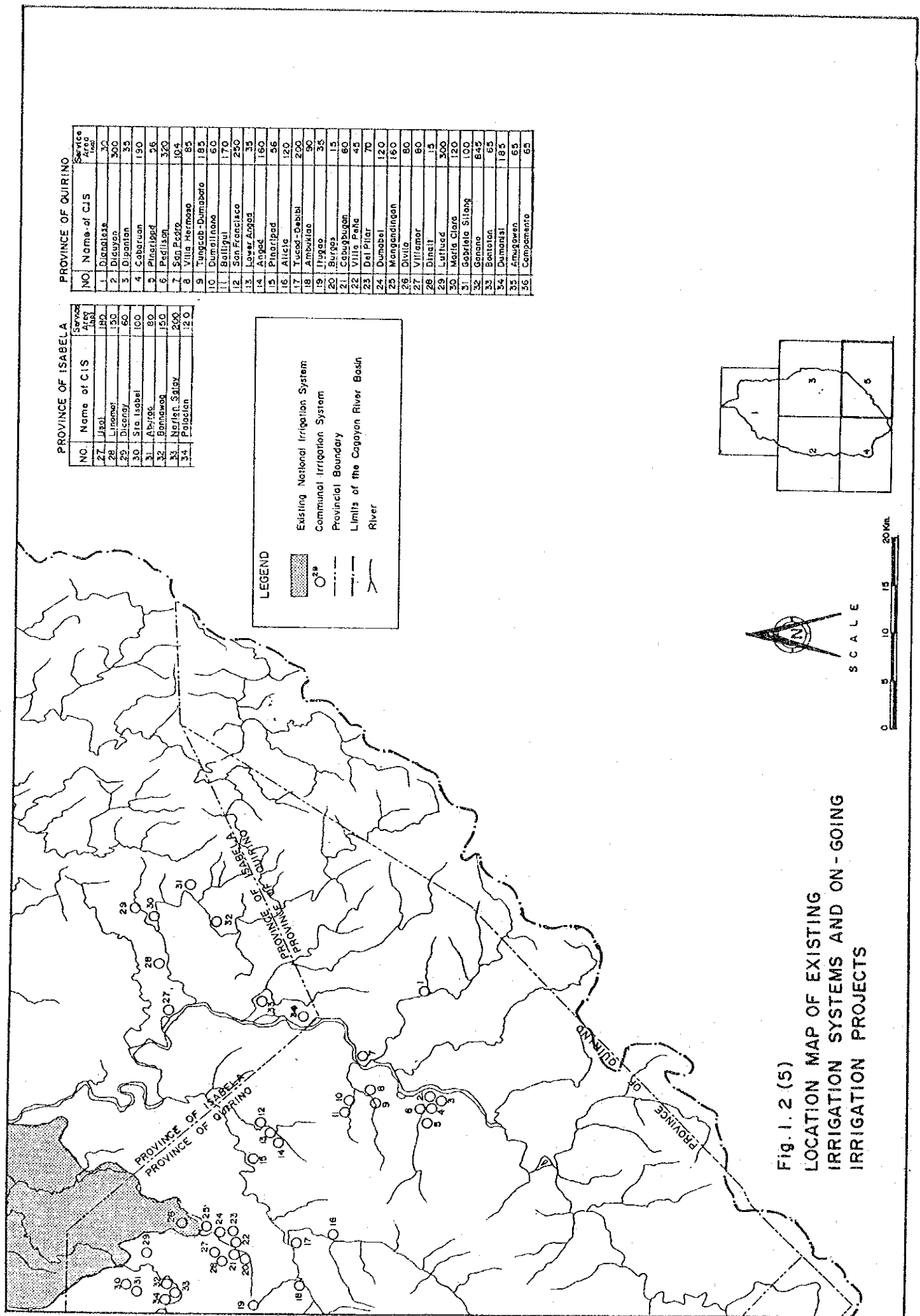


Fig. 1.2 (2)
LOCATION MAP OF EXISTING
IRRIGATION SYSTEMS AND
ON-GOING IRRIGATION
PROJECTS







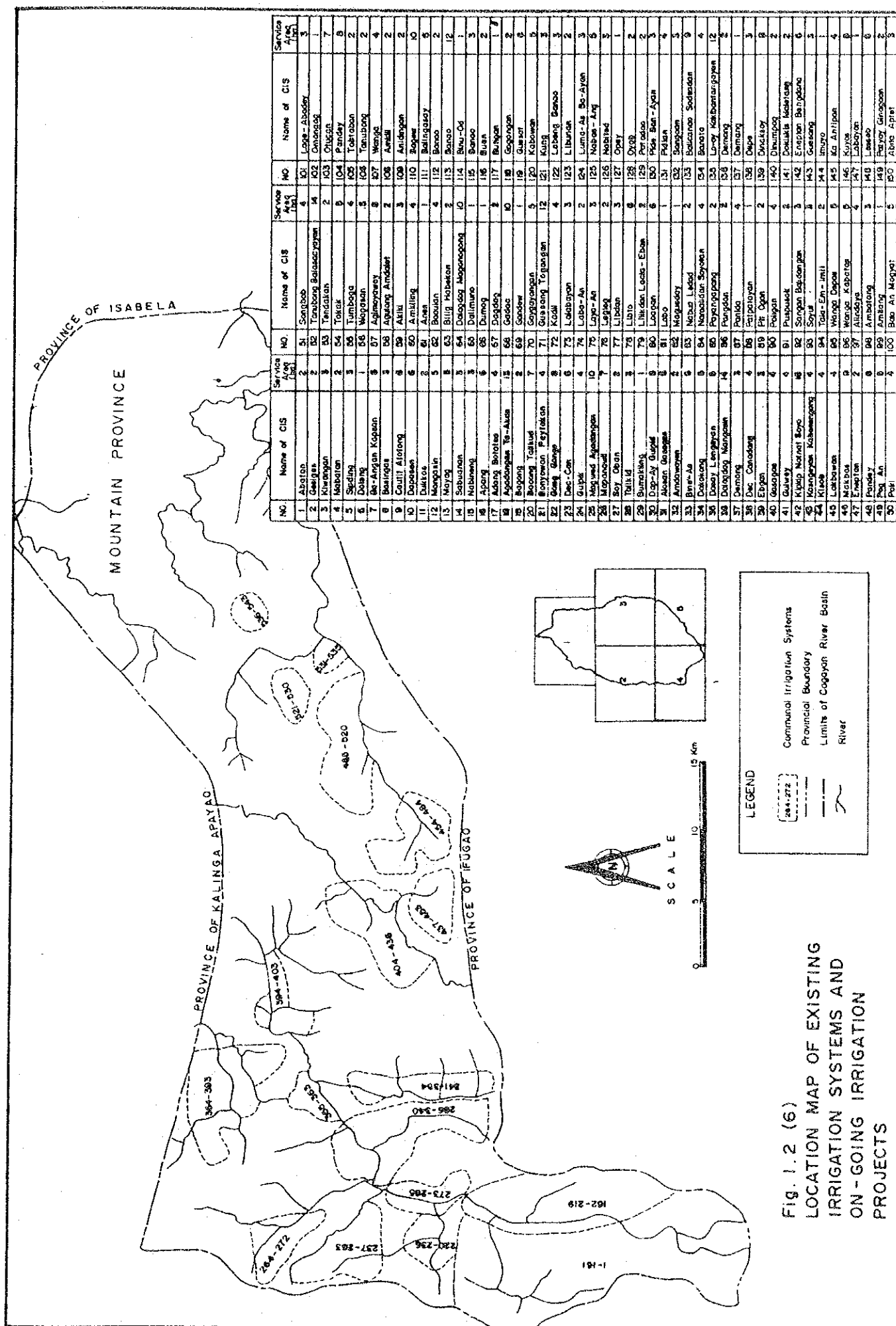
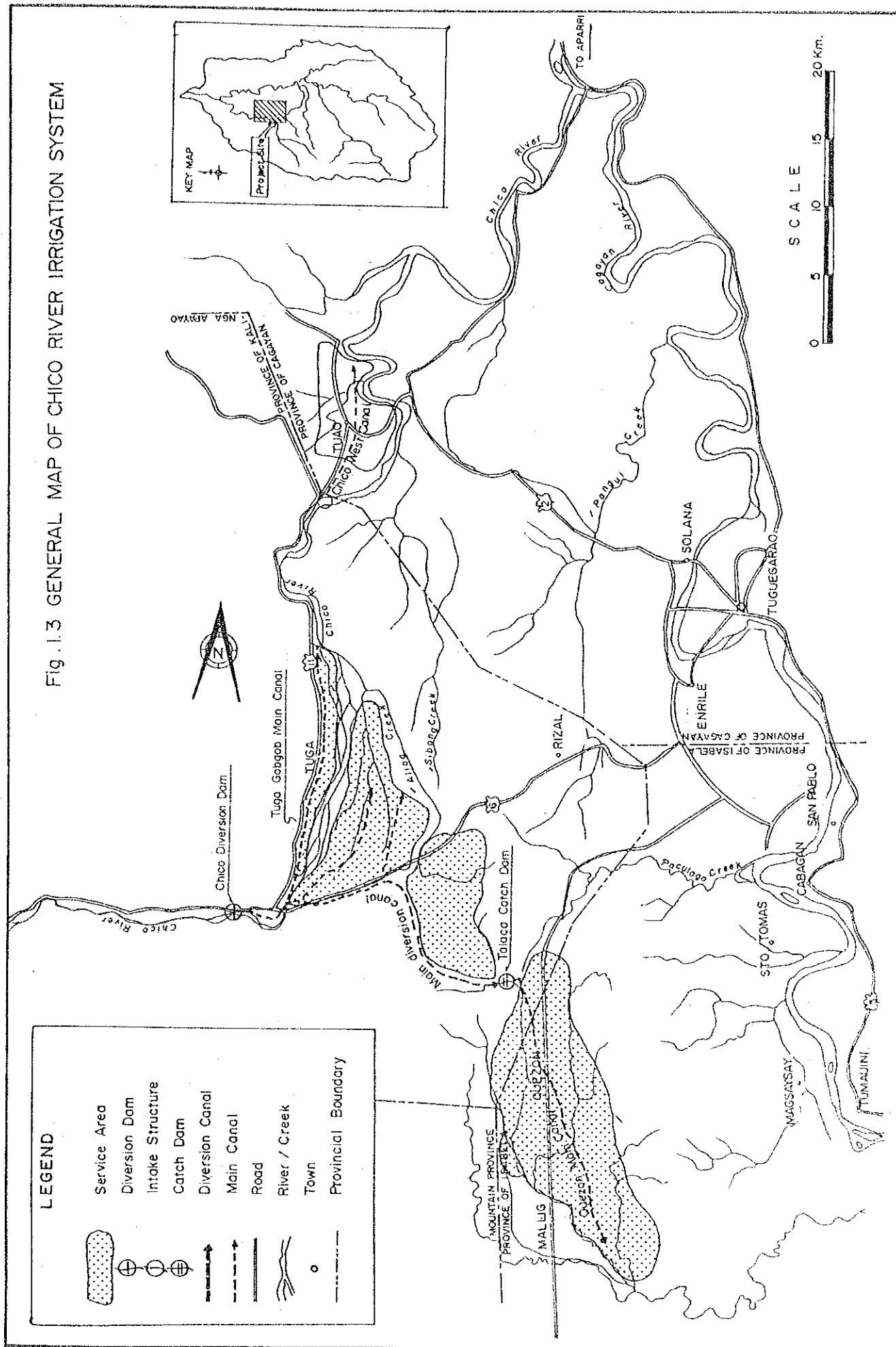
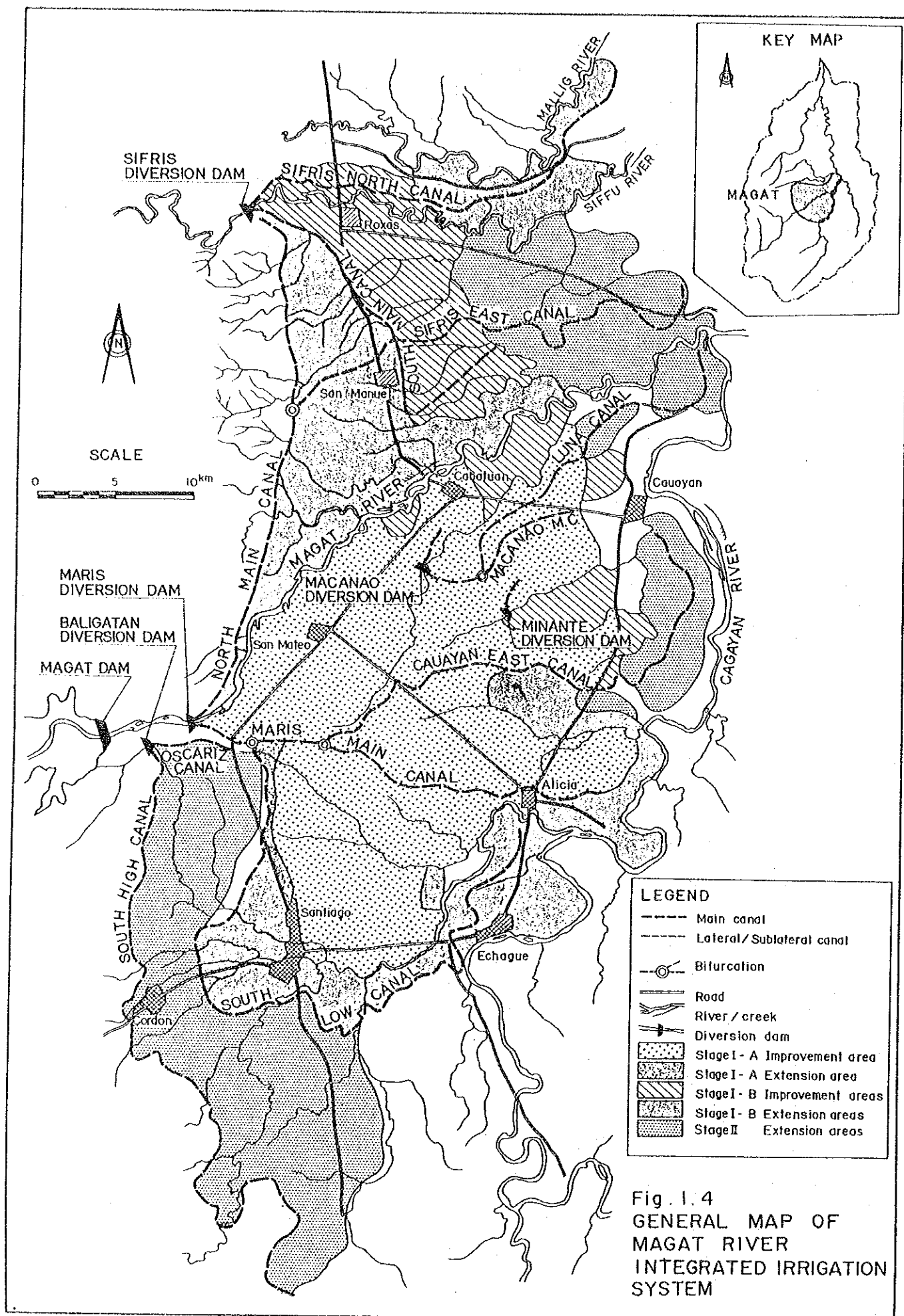
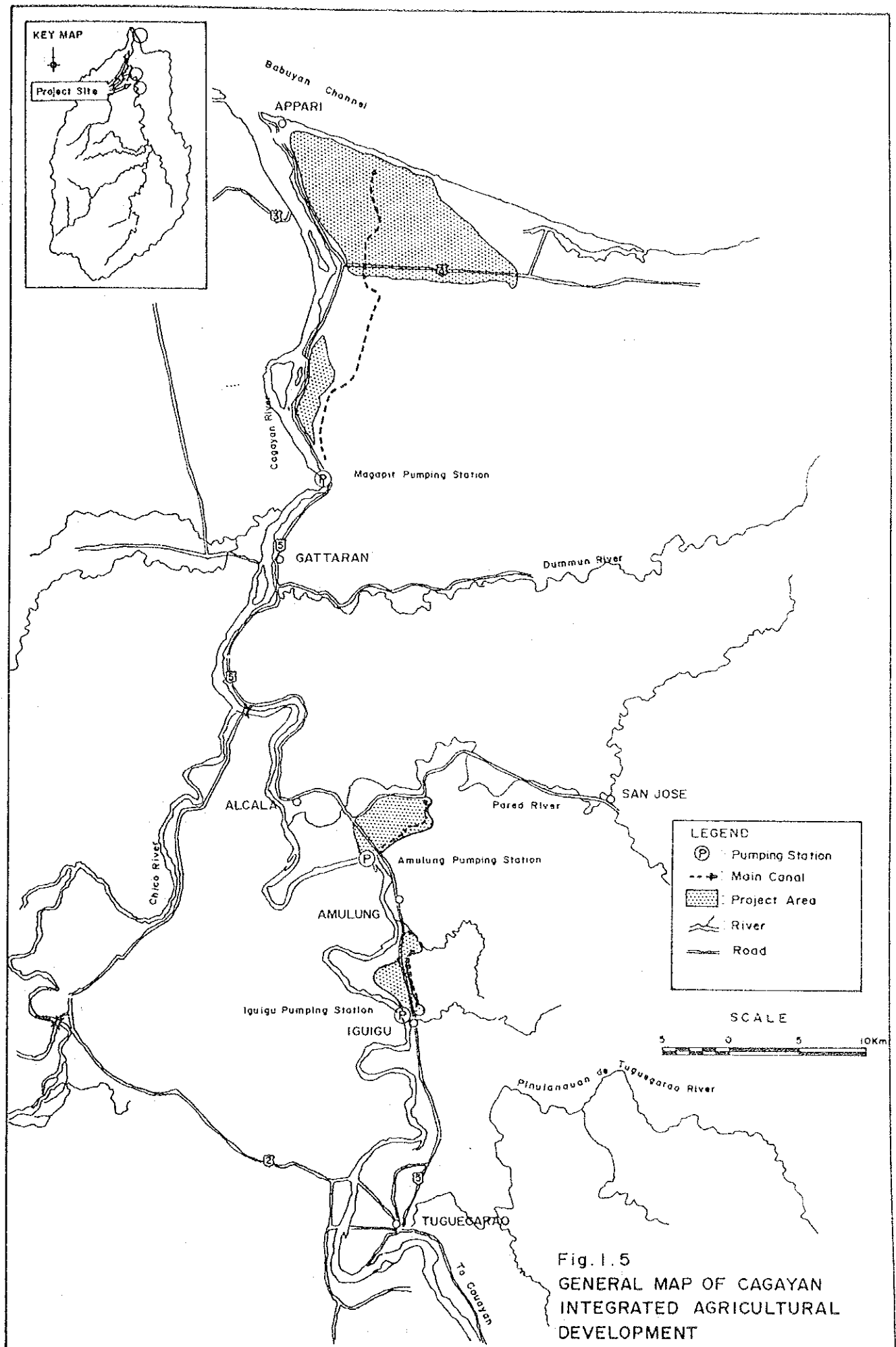


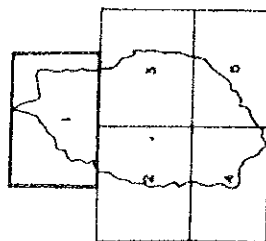
Fig. 1.2 (6)
LOCATION MAP OF EXISTING
IRRIGATION SYSTEMS AND
ON-GOING IRRIGATION
PROJECTS

Fig. 1.3 GENERAL MAP OF CHICO RIVER IRRIGATION SYSTEM









S C A L E



12	400
13	100
14	100
15	500
16	750
17	70
18	150
19	250
20	500
21	250
22	200
23	250
24	250

LEGEND

- Potential Irrigable Area
- Minor Potential Irrigable Area
- Provincial Boundary
- Limits of the Cagayan River Basin
- River

No.	Hectareage (ha.)	Area Covered by EIAI CIS (ha.)
1	200	-
2	800	400
3	200	-
4	100	-
5	1,800	350
6	200	-
7	750	200
8	280	150
9	200	70
10	150	120
11	200	-

Fig. 4.1 (1)
LOCATION MAP OF
POTENTIAL IRRIGABLE AREAS

No.	Hectareage (ha.)	Area Covered by EIAI CIS (ha.)
25	200	-
26	280	-
27	200	-
28	150	-
29	380	-
30	200	-
31	380	200
32	200	-
33	400	-
34	150	-
35	1,700	-
36	2,200	-
37	1,000	-
38	4,650	-
39	200	-
40	430	-
41	500	120
42	900	-
43	150	-
44	500	-
45	300	250
46	6,300	360
47	9,000	422
48	3,350	-
52	-	-
53	350	-
54	150	120
55	150	140
100	400	-
101	690	-
102	860	-
103	890	430
104	1,400	-
105	-	-

Fig. 4.1 (2)
LOCATION MAP OF POTENTIAL
IRRIGABLE AREAS

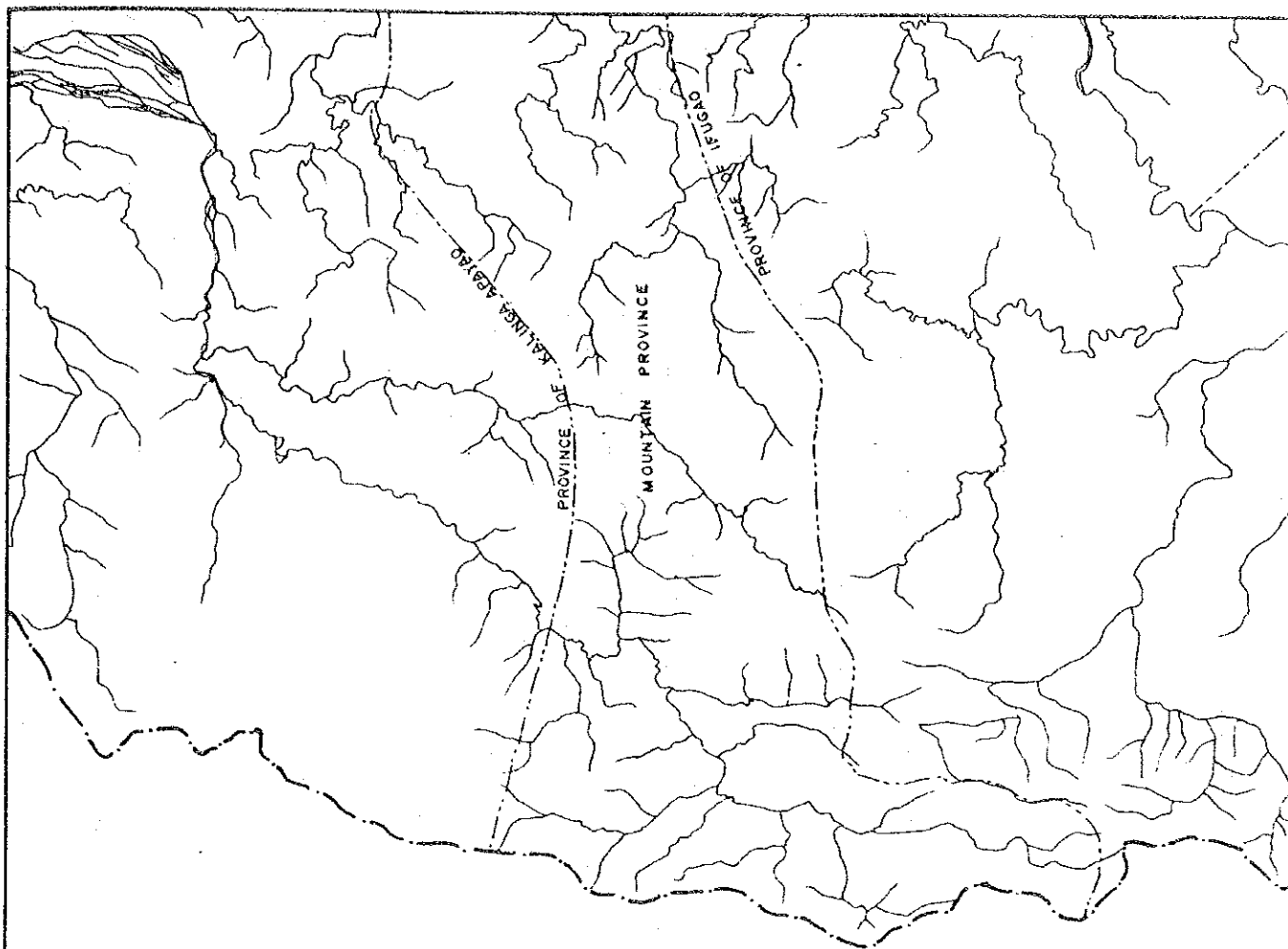
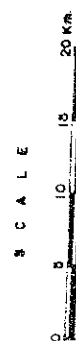
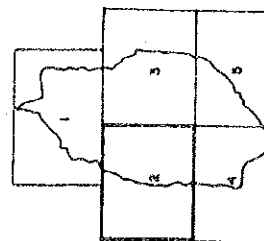
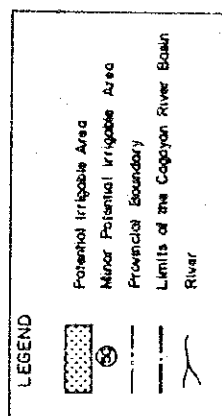
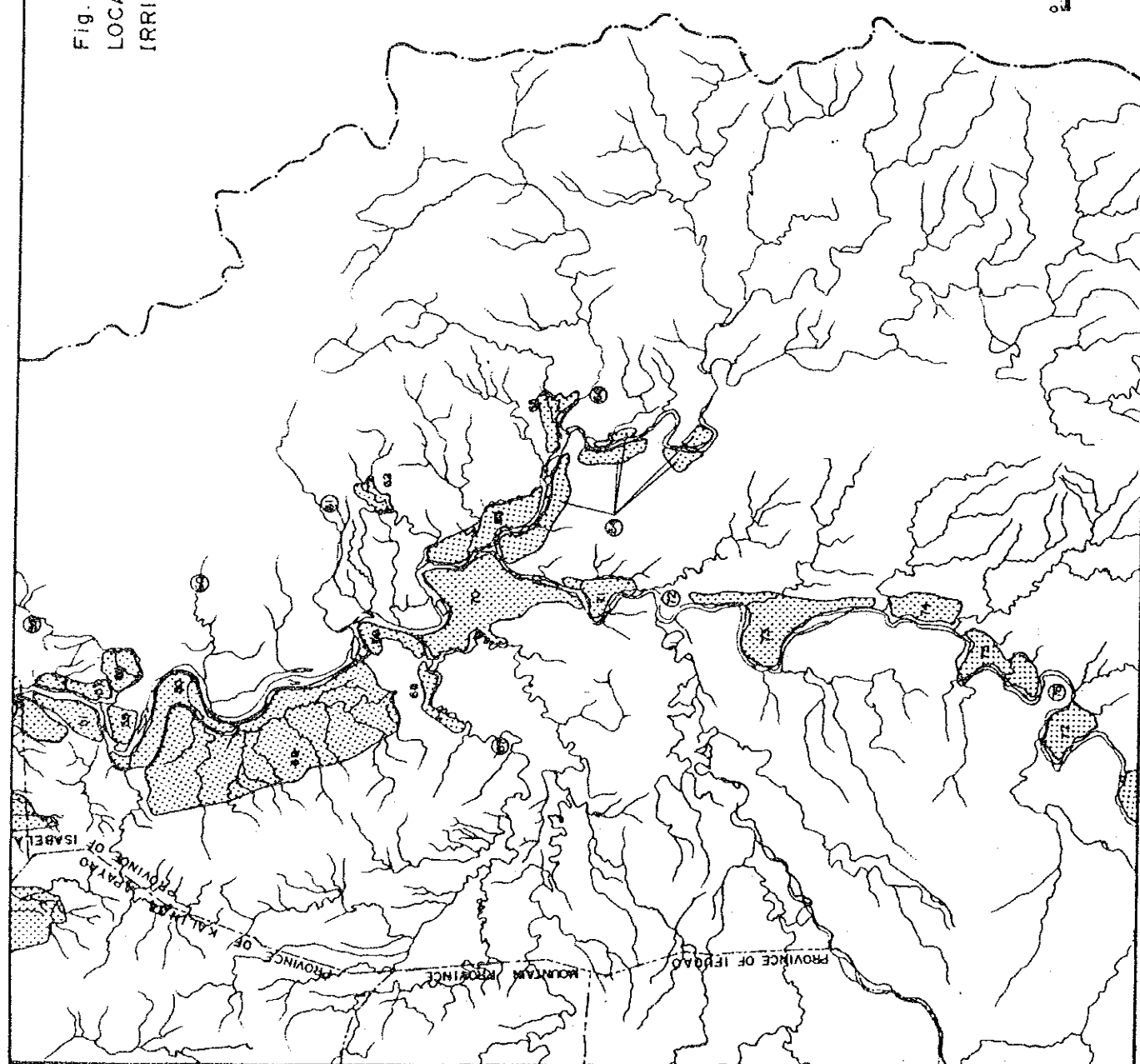


Fig. 4.1 (3)
LOCATION MAP OF POTENTIAL
IRRIGABLE AREAS



No.	Hectares (ha)	Area Covered by Existing Irrigation
49	9,600	1,320
50	1,350	-
51	400	-
55	250	150
57	450	-
58	450	-
59	250	-
60	300	120
61	250	200
62	450	250
63	1,300	-
64	2,250	60
65	550	400
66	300	-
67	800	-
68	850	-
69	350	-
70	2,950	-
71	300	-
72	250	-
73	3,200	-
74	1,150	-
75	800	-
76	300	-
77	600	800

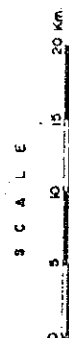
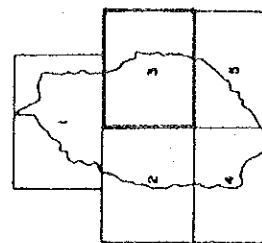
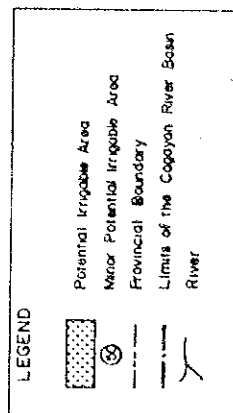


Fig. 4.1 (4)
LOCATION MAP OF POTENTIAL
IRRIGABLE AREAS

NO.	Macitanga (ha.)	Area Covered by 'Estadig' (ha.)
89	13,660	9,226
90	900	483
91	850	850
92	800	800
93	400	285
94	1,800	1,600
95	400	152
96	250	250
97	400	400
98	300	300
99	350	350

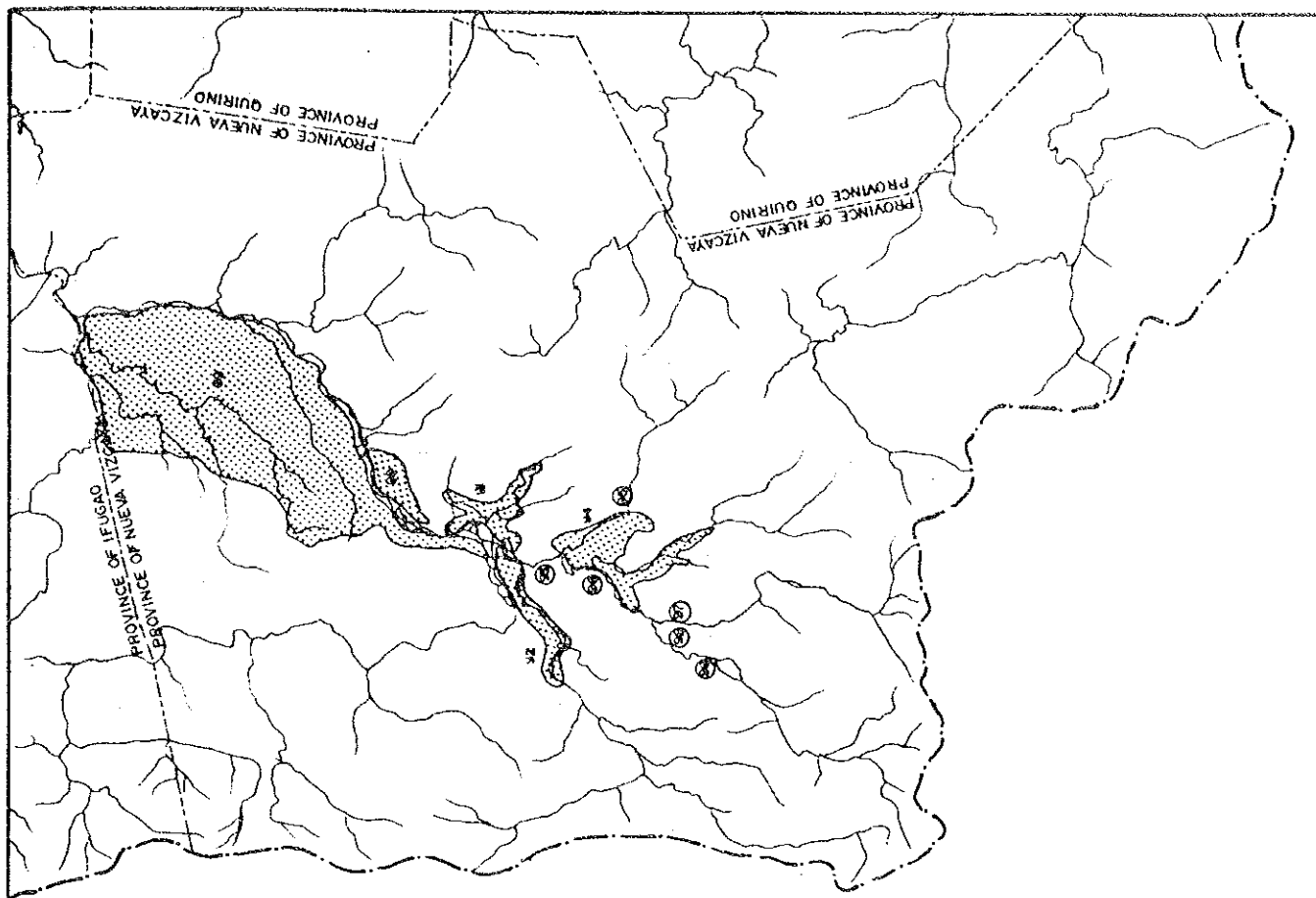
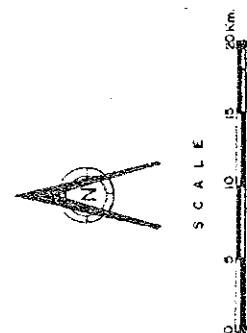
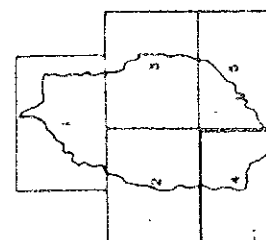
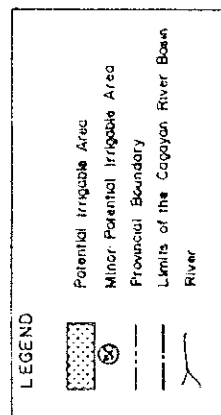
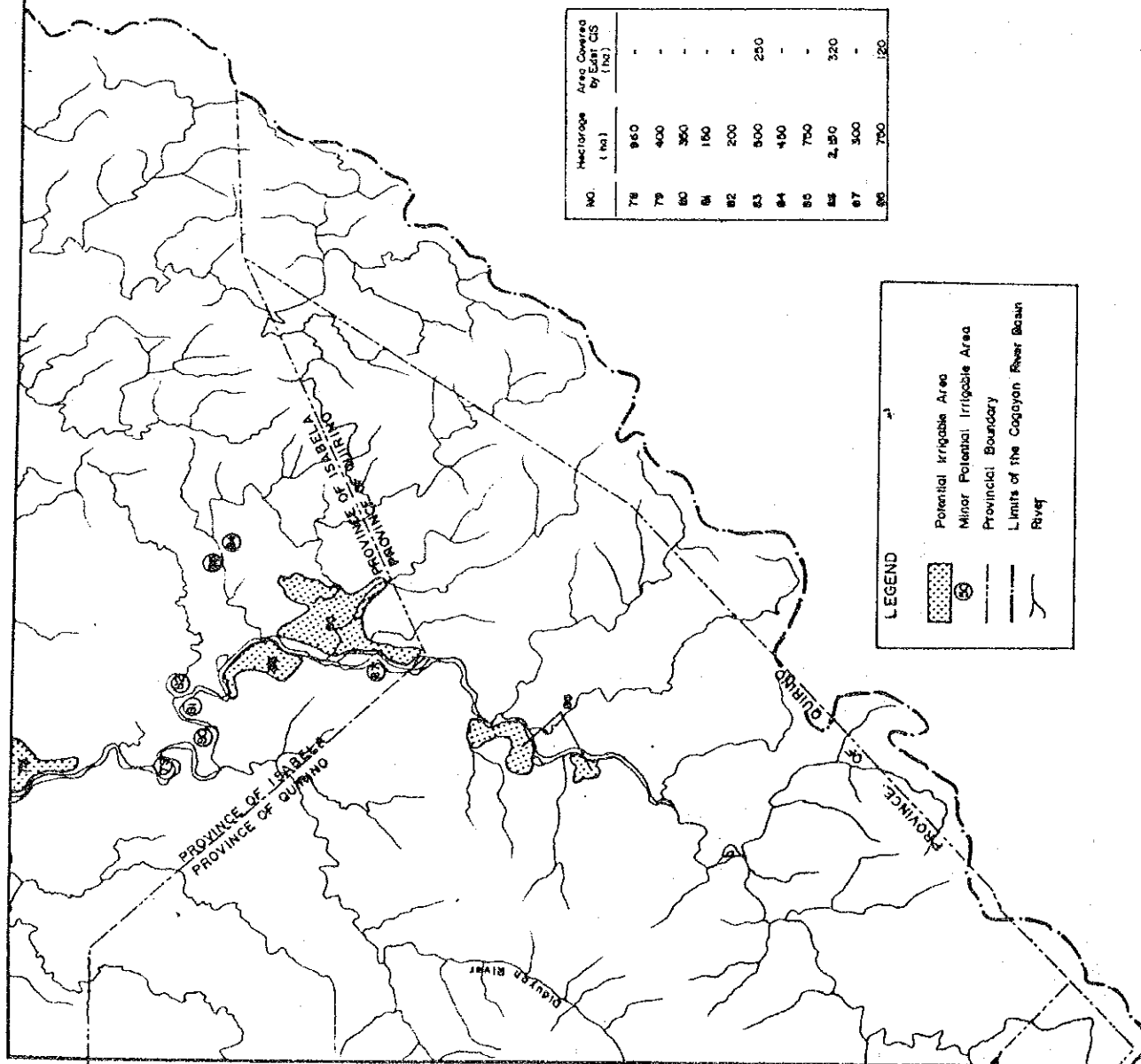
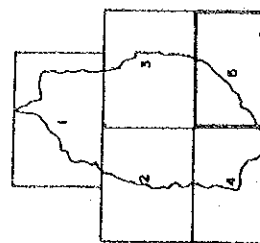
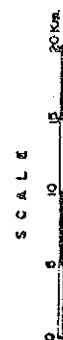


Fig. 4.1 (5)
LOCATION MAP OF POTENTIAL
IRRIGABLE AREAS



NO.	Hectare (ha)	Area Covered by East CSD (ha)
78	960	-
79	400	-
80	360	-
81	180	-
82	200	-
83	500	250
84	400	-
85	750	-
86	2,500	320
87	300	-
88	750	-
89	-	120



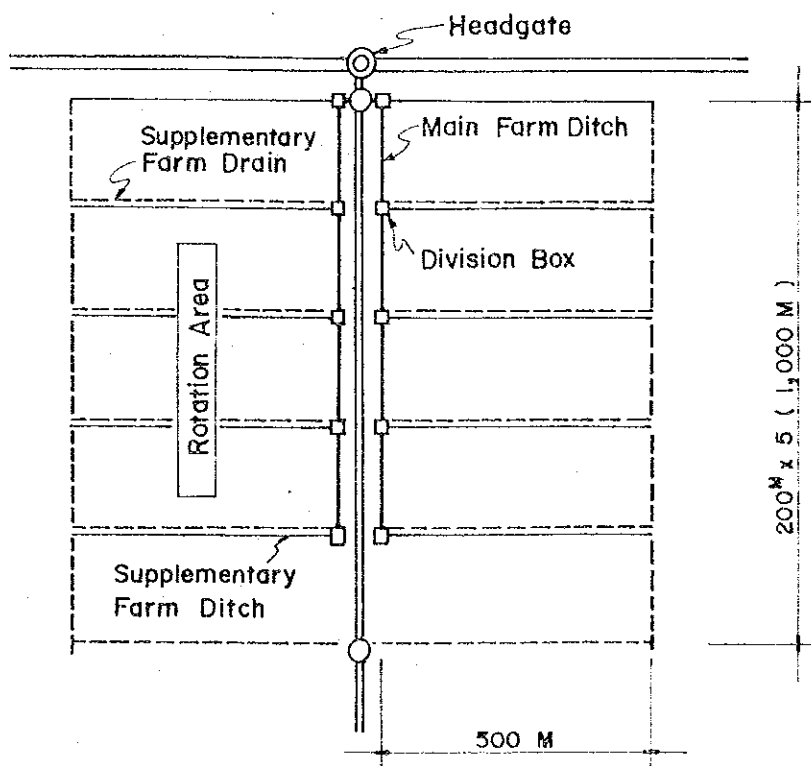
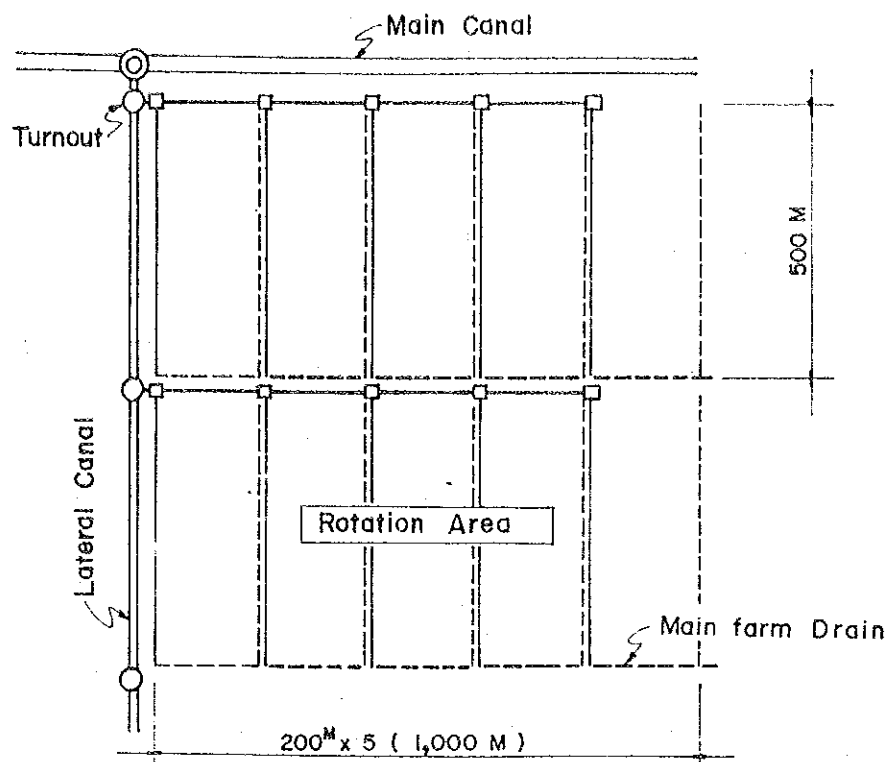


Fig. 5.1 TYPICAL LAYOUT OF ROTATIONAL AREA

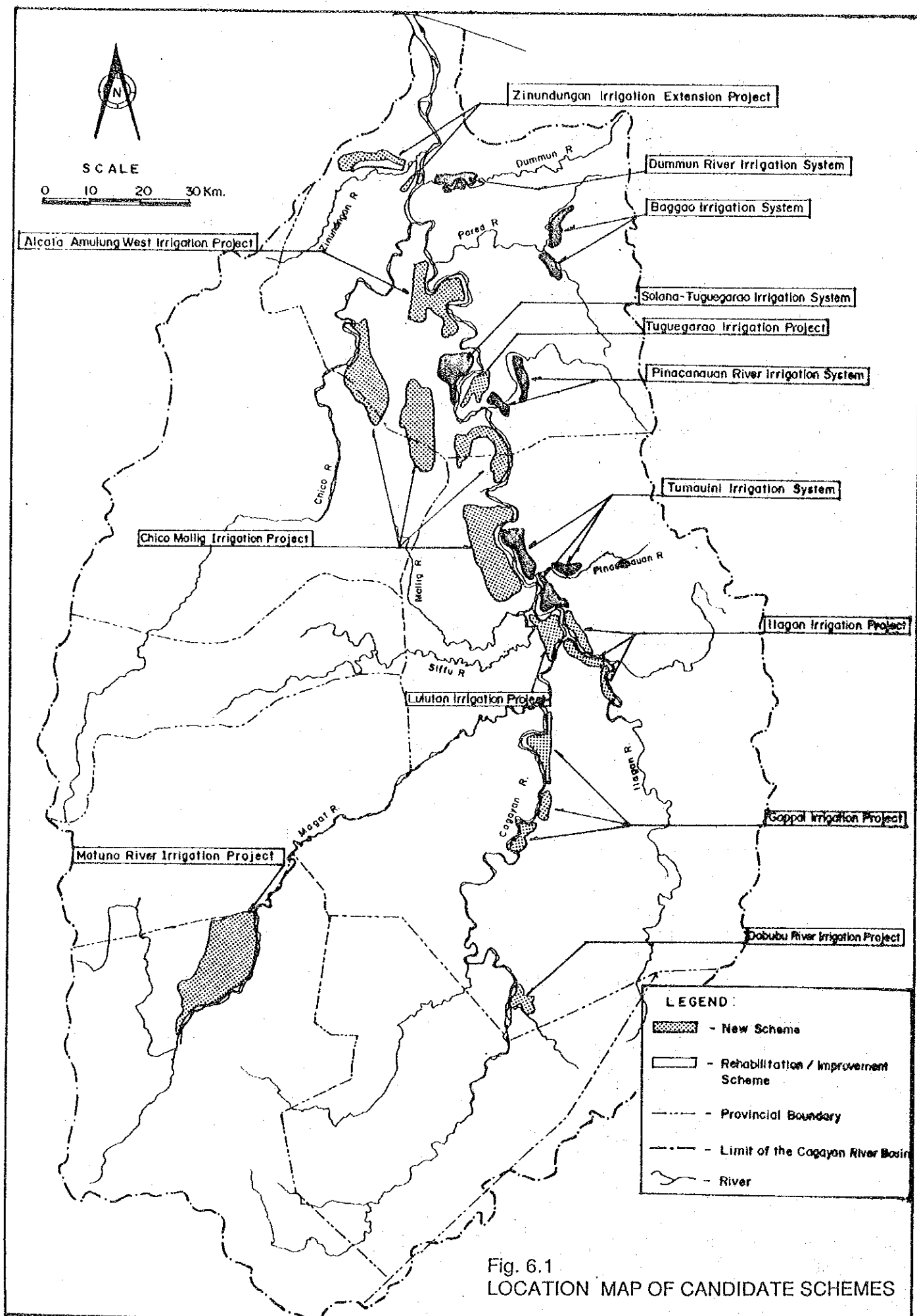
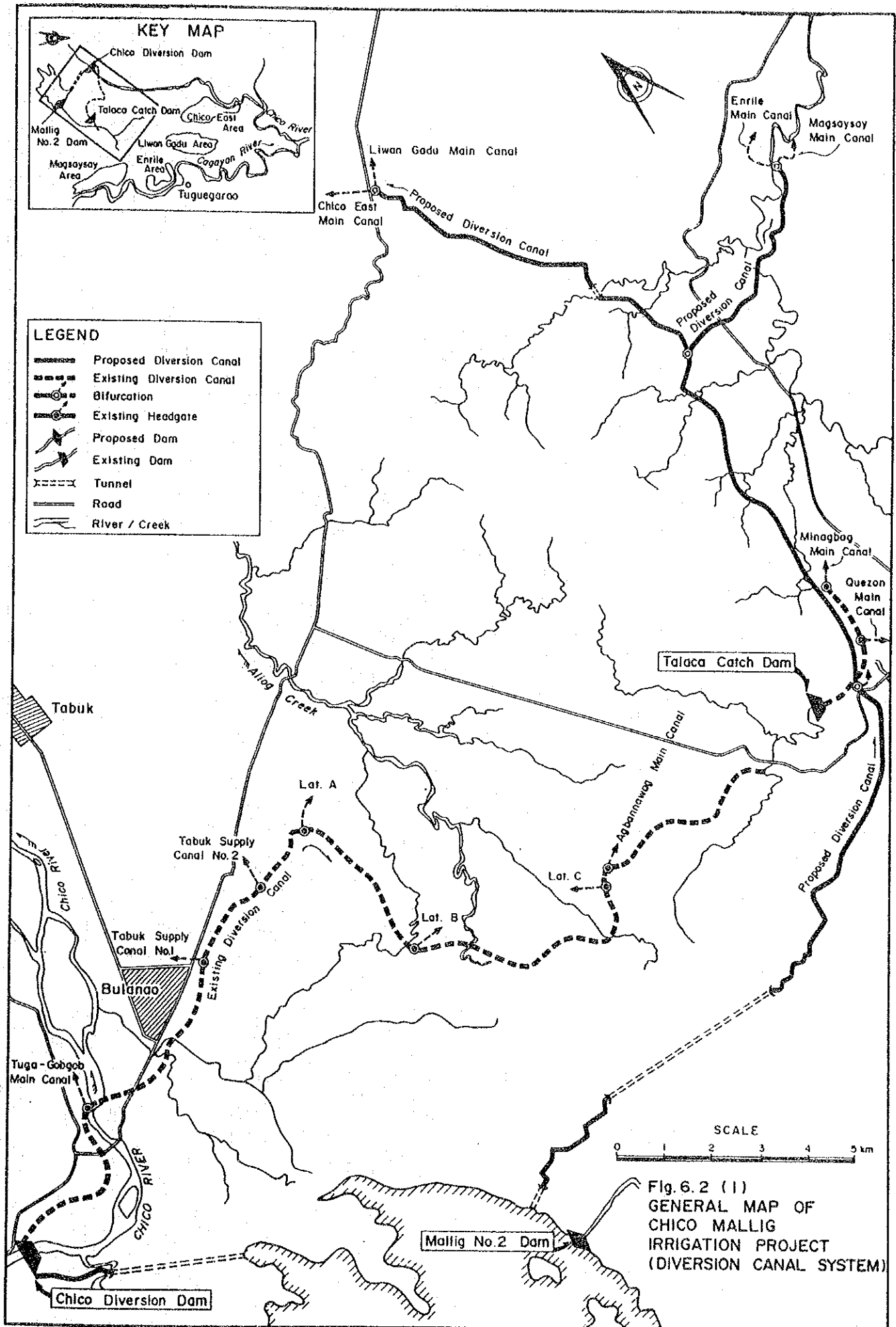


Fig. 6.1
LOCATION MAP OF CANDIDATE SCHEMES



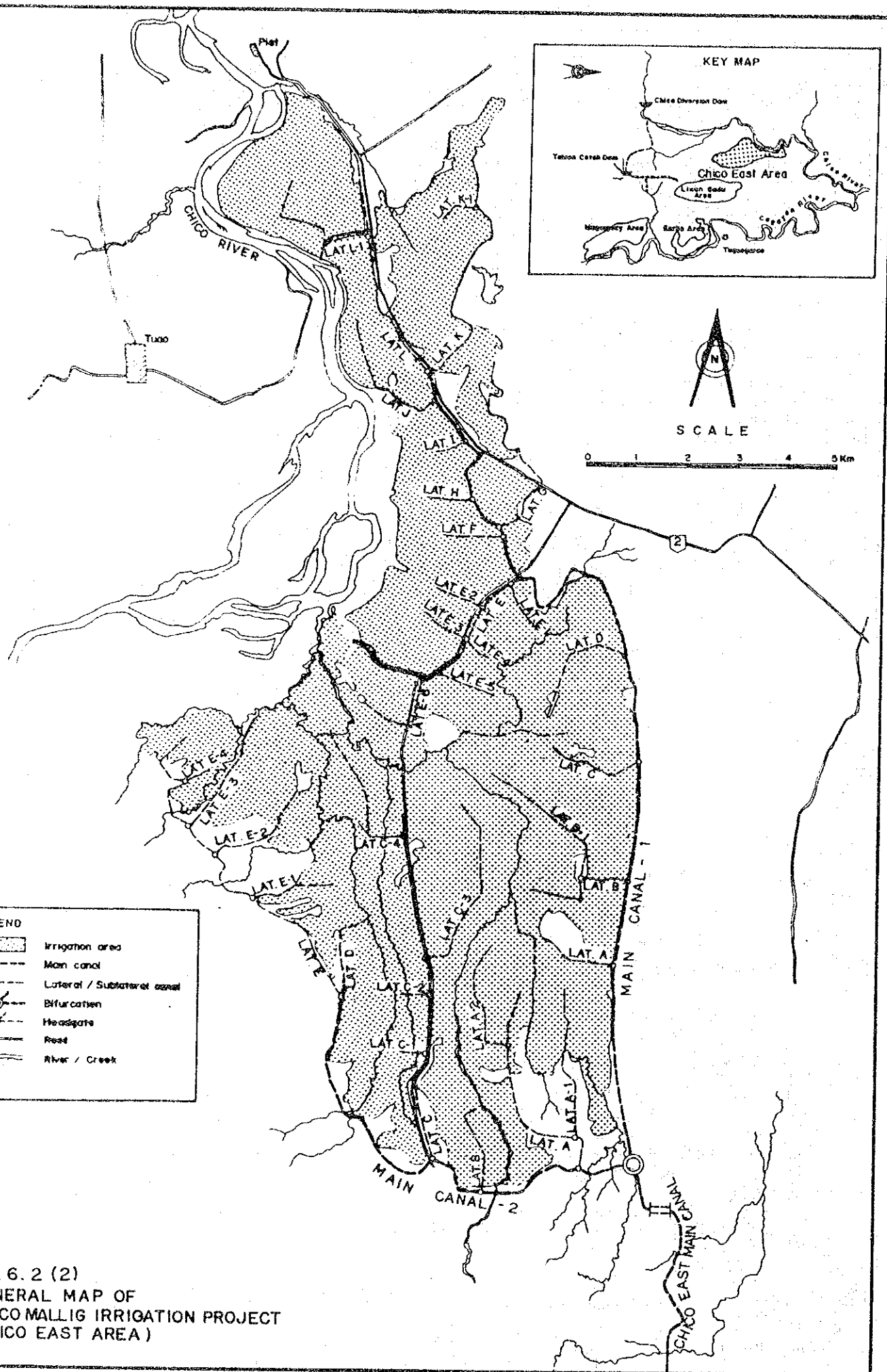
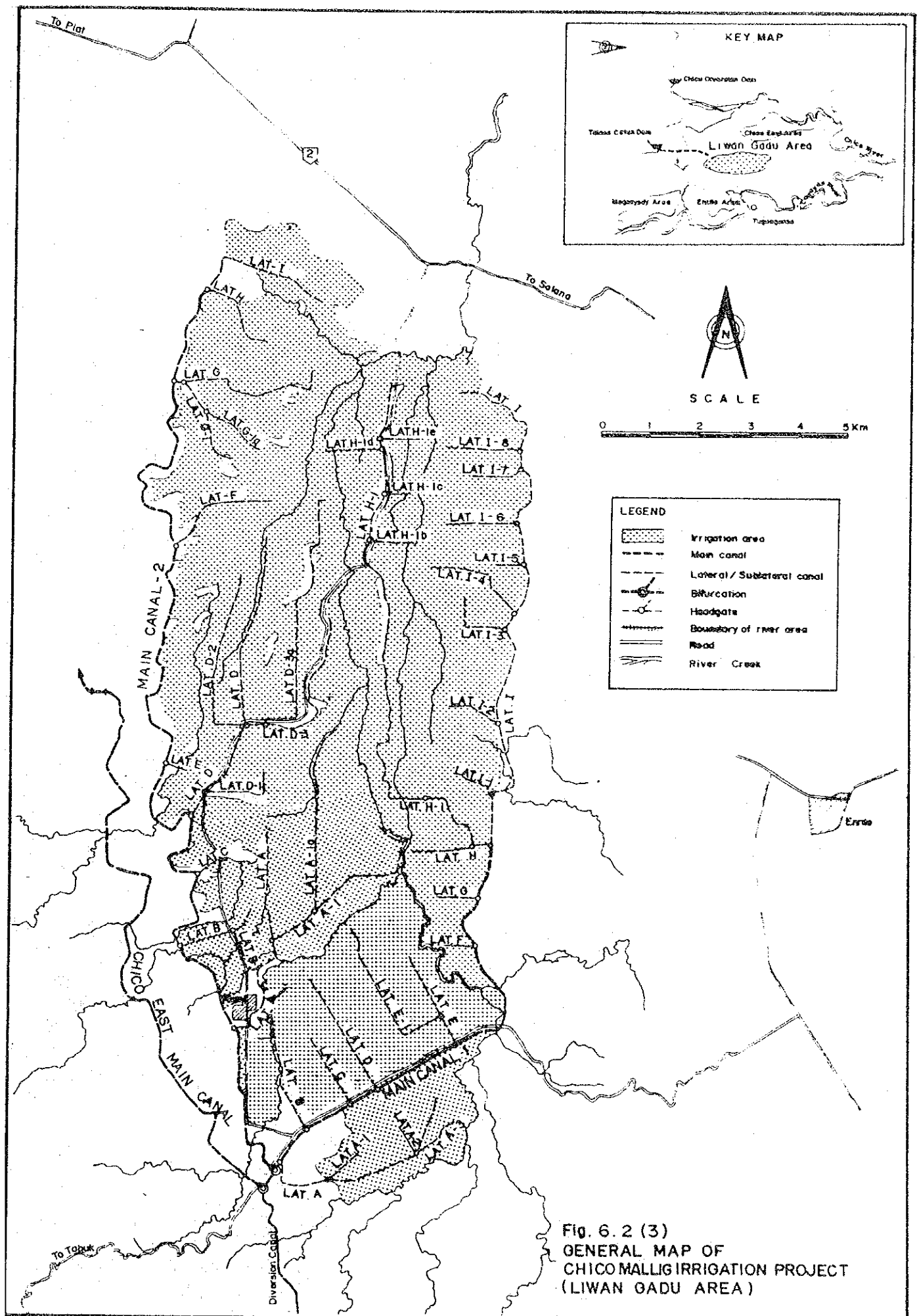
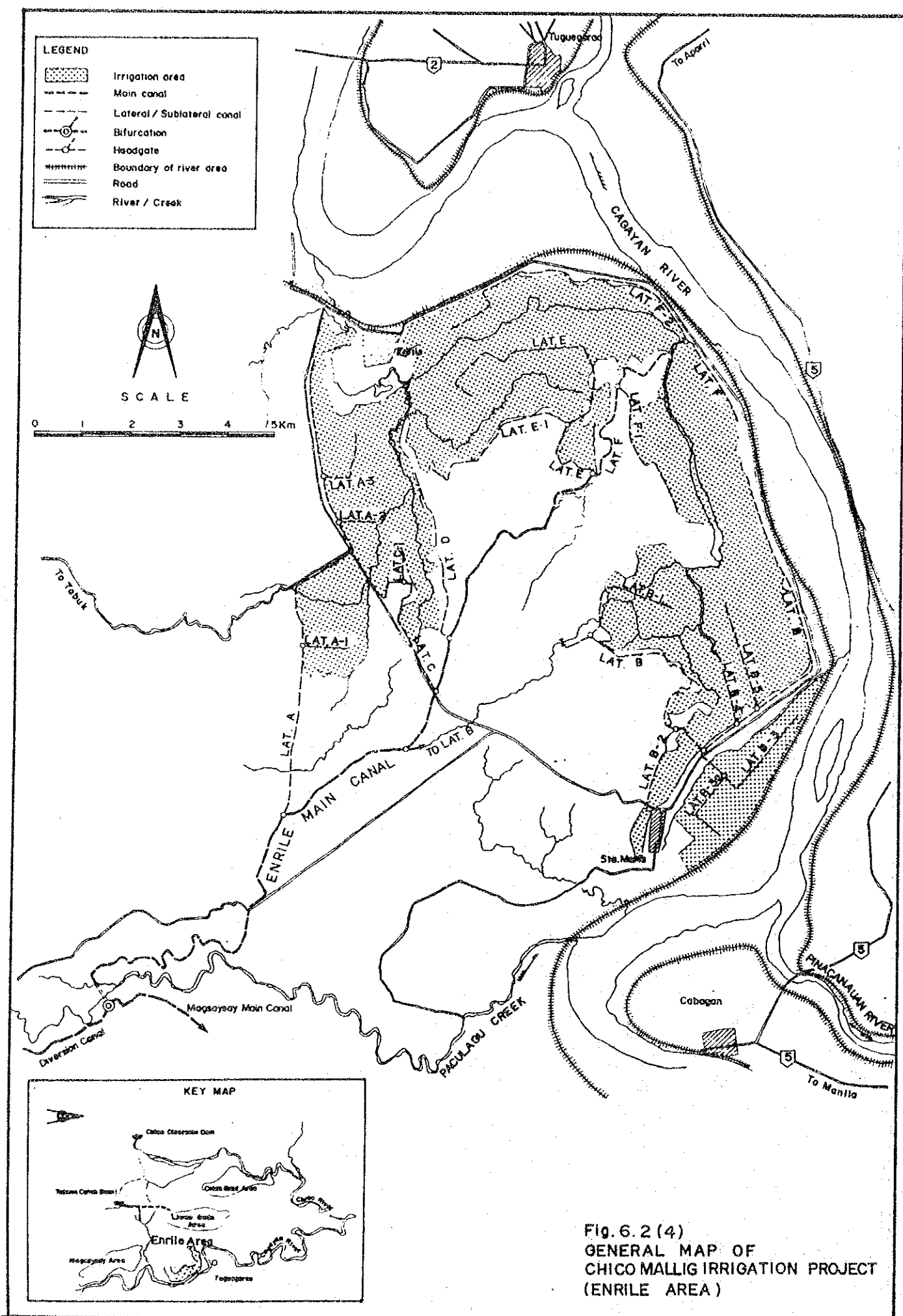
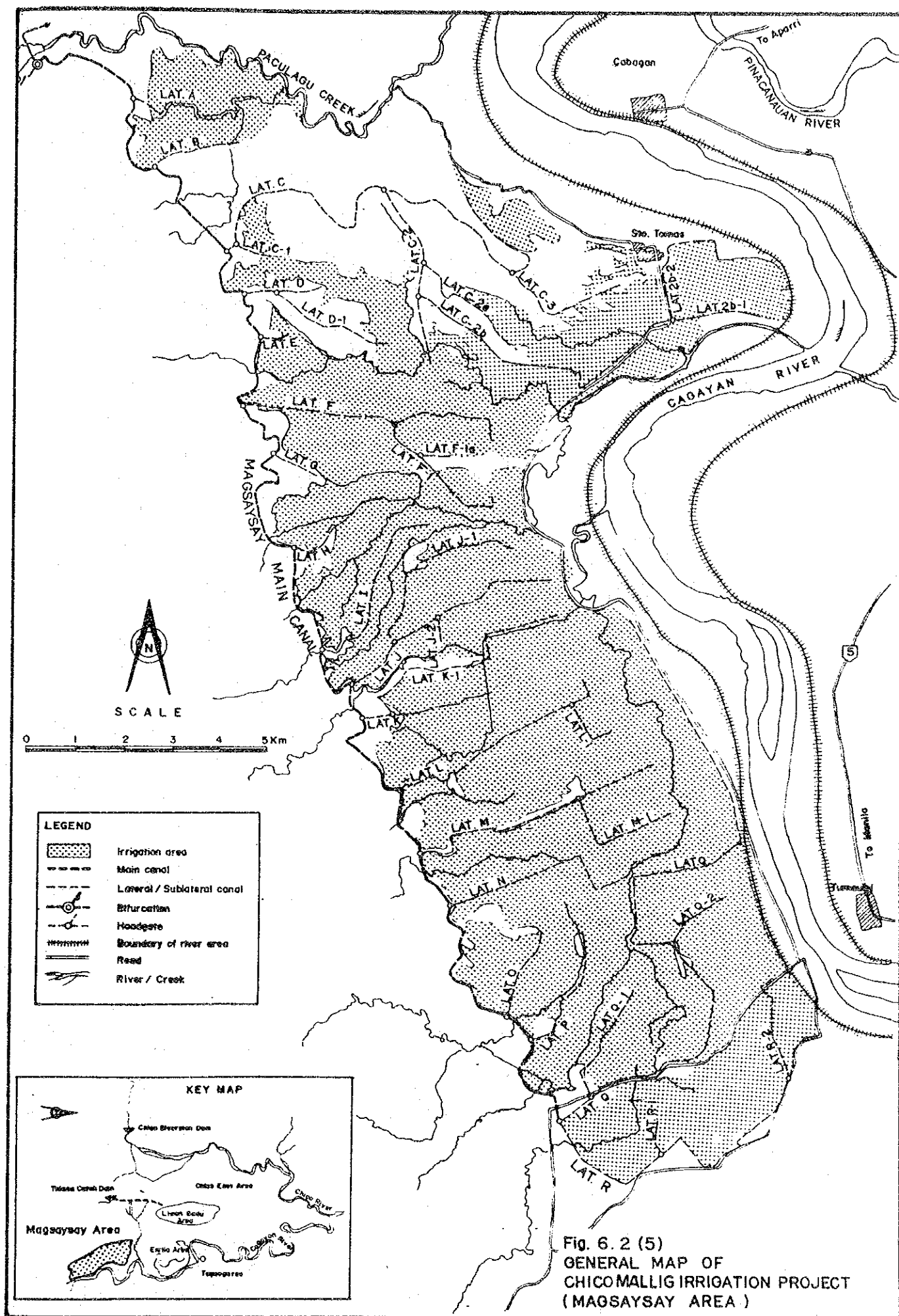
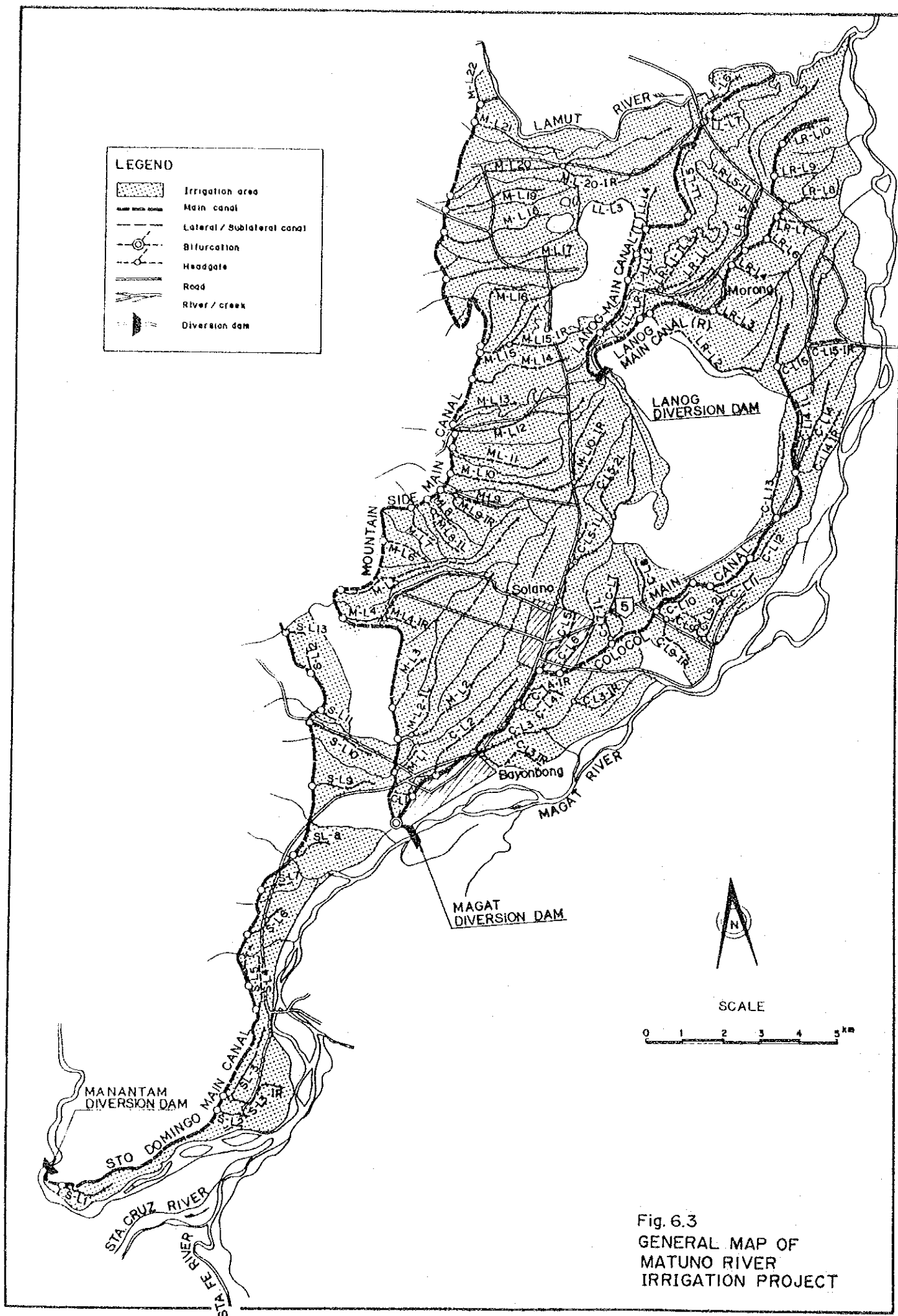


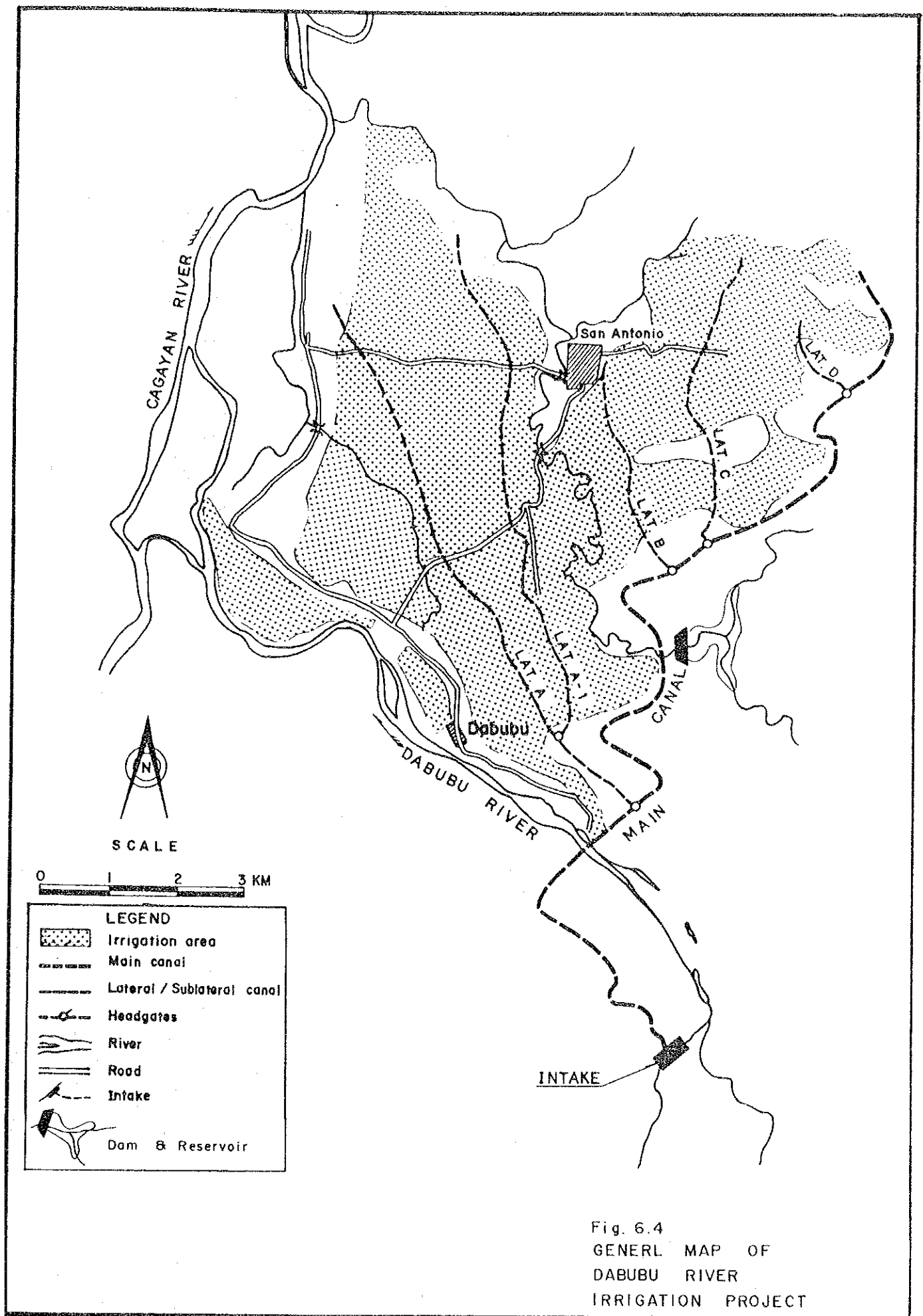
Fig. 6. 2 (2)
GENERAL MAP OF
CHICO MALLIG IRRIGATION PROJECT
(CHICO EAST AREA)

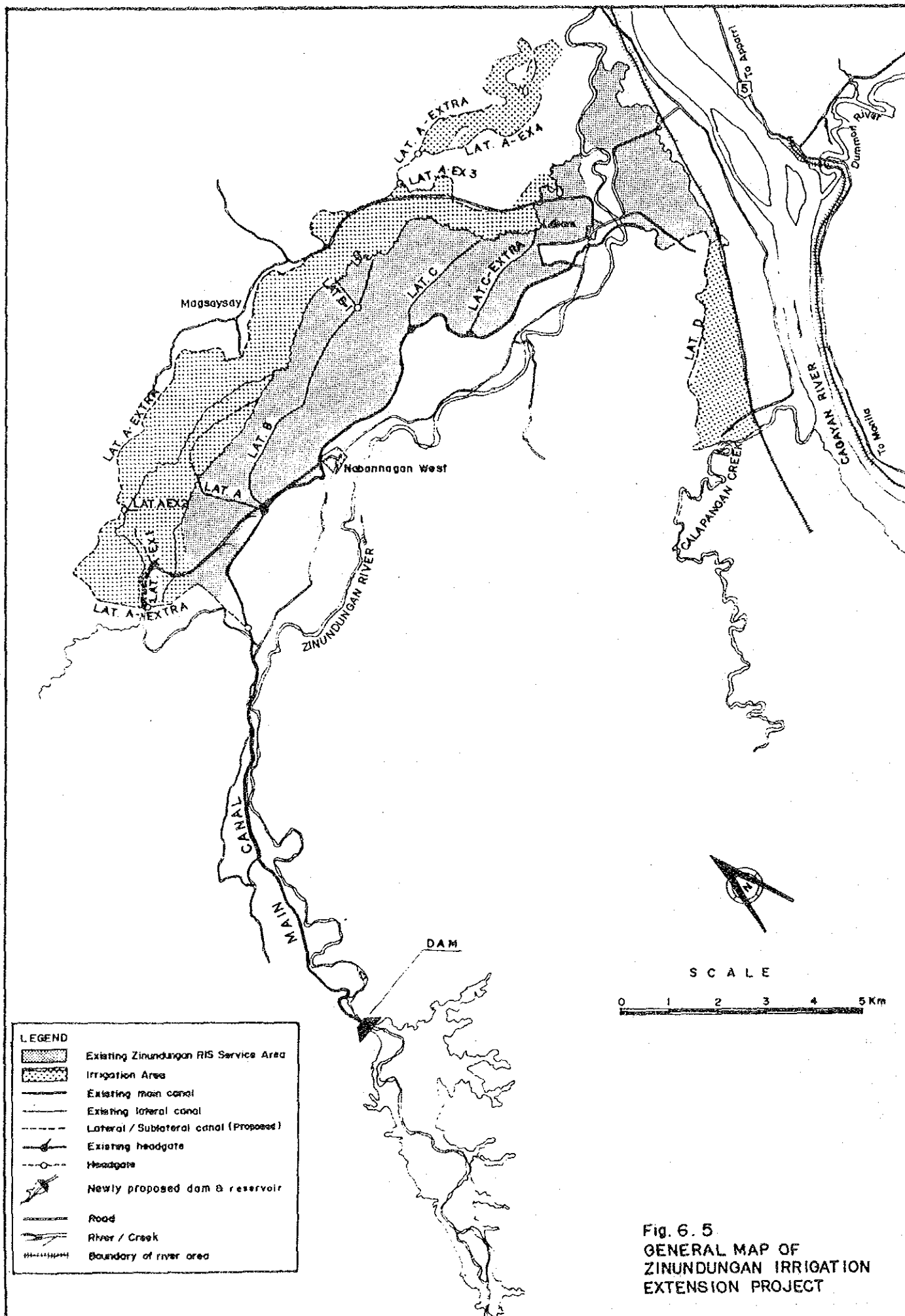


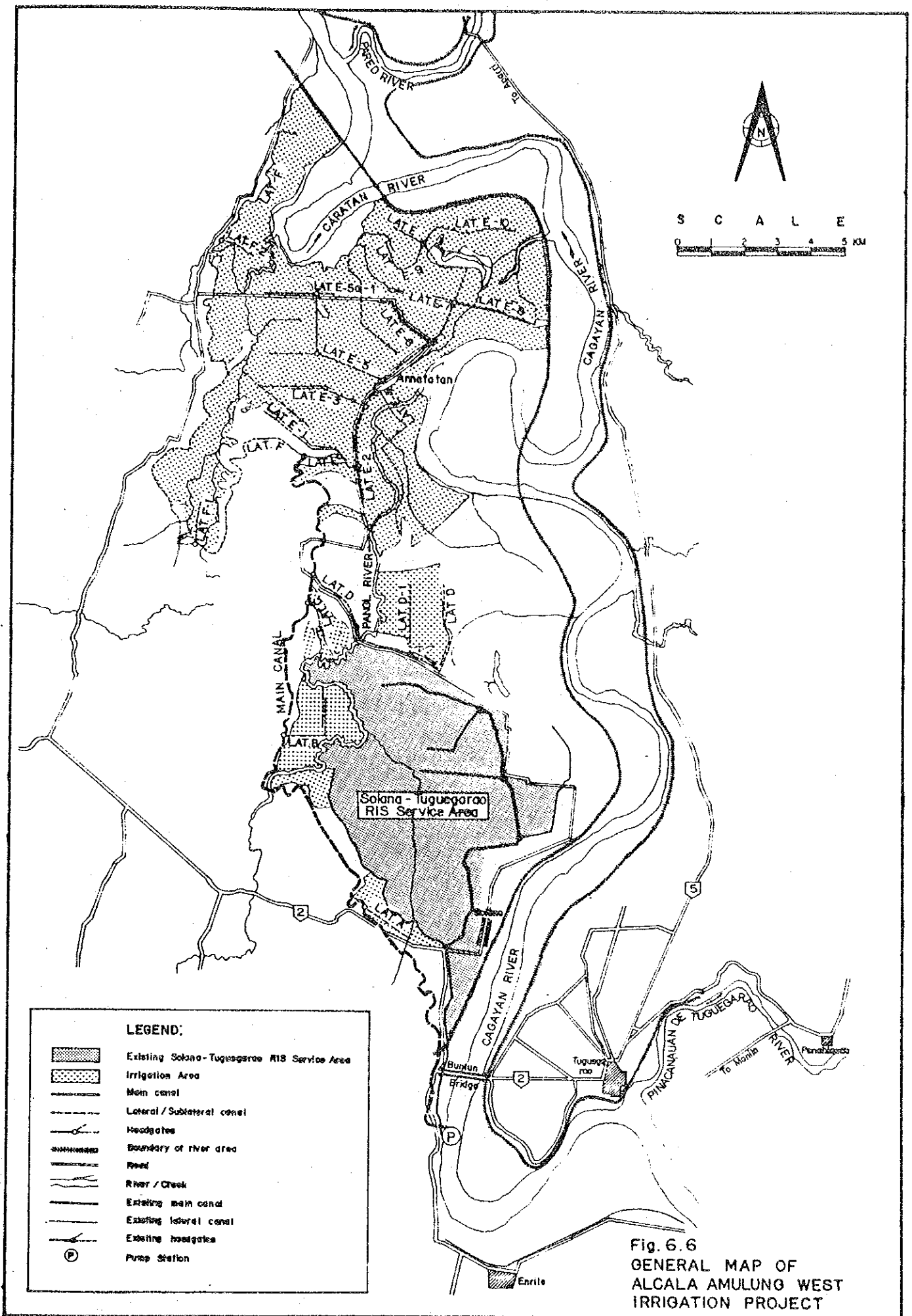


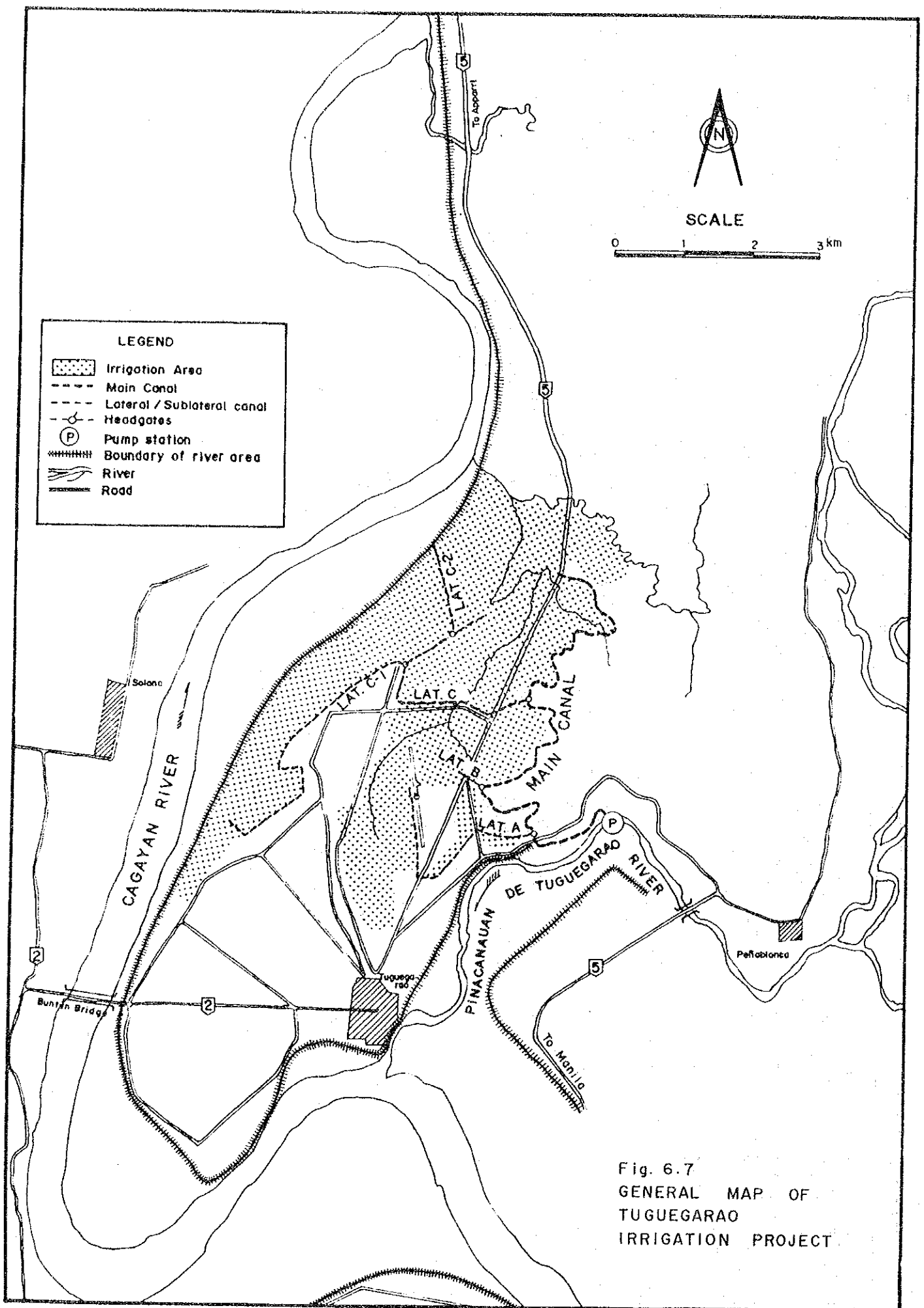


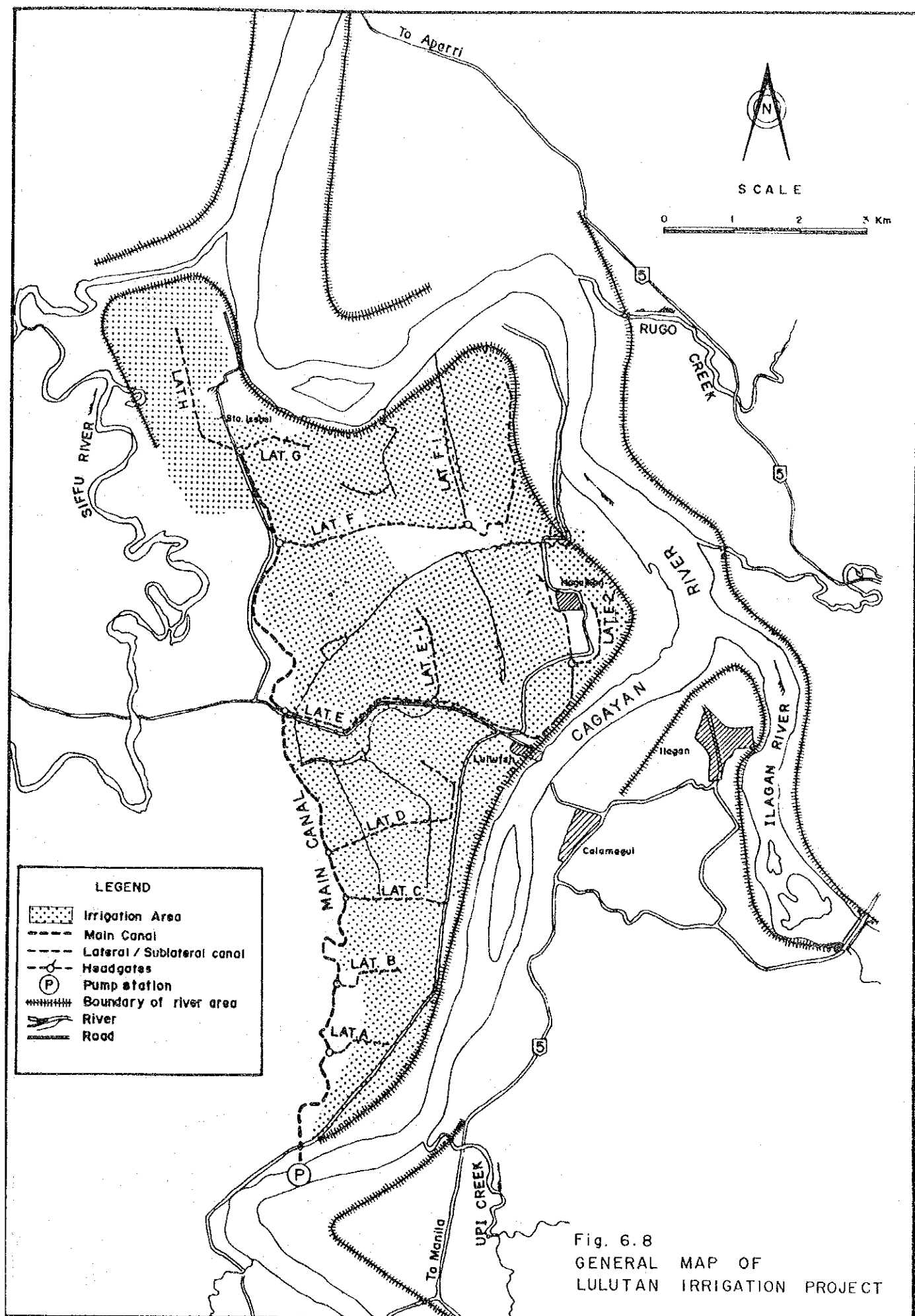


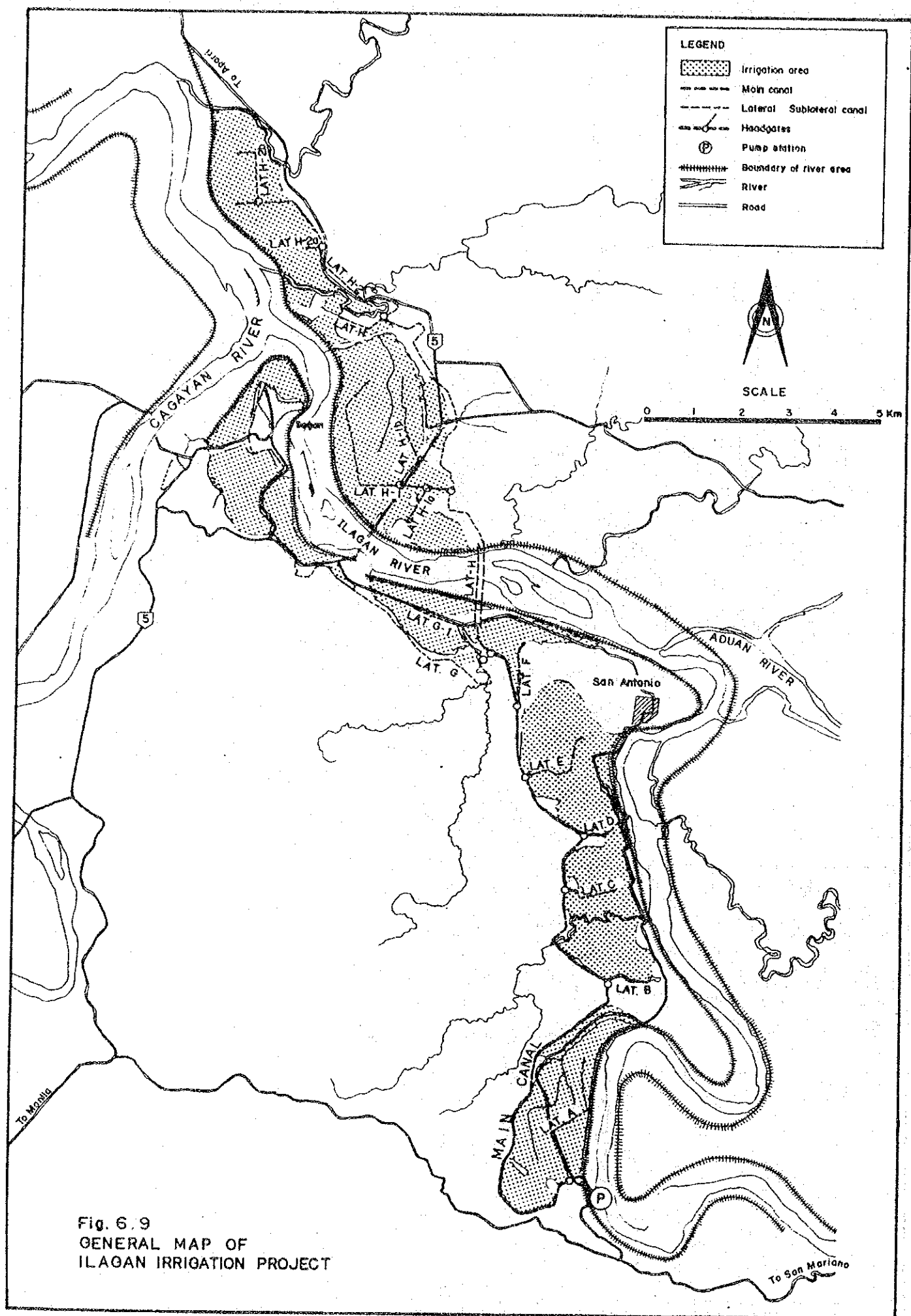


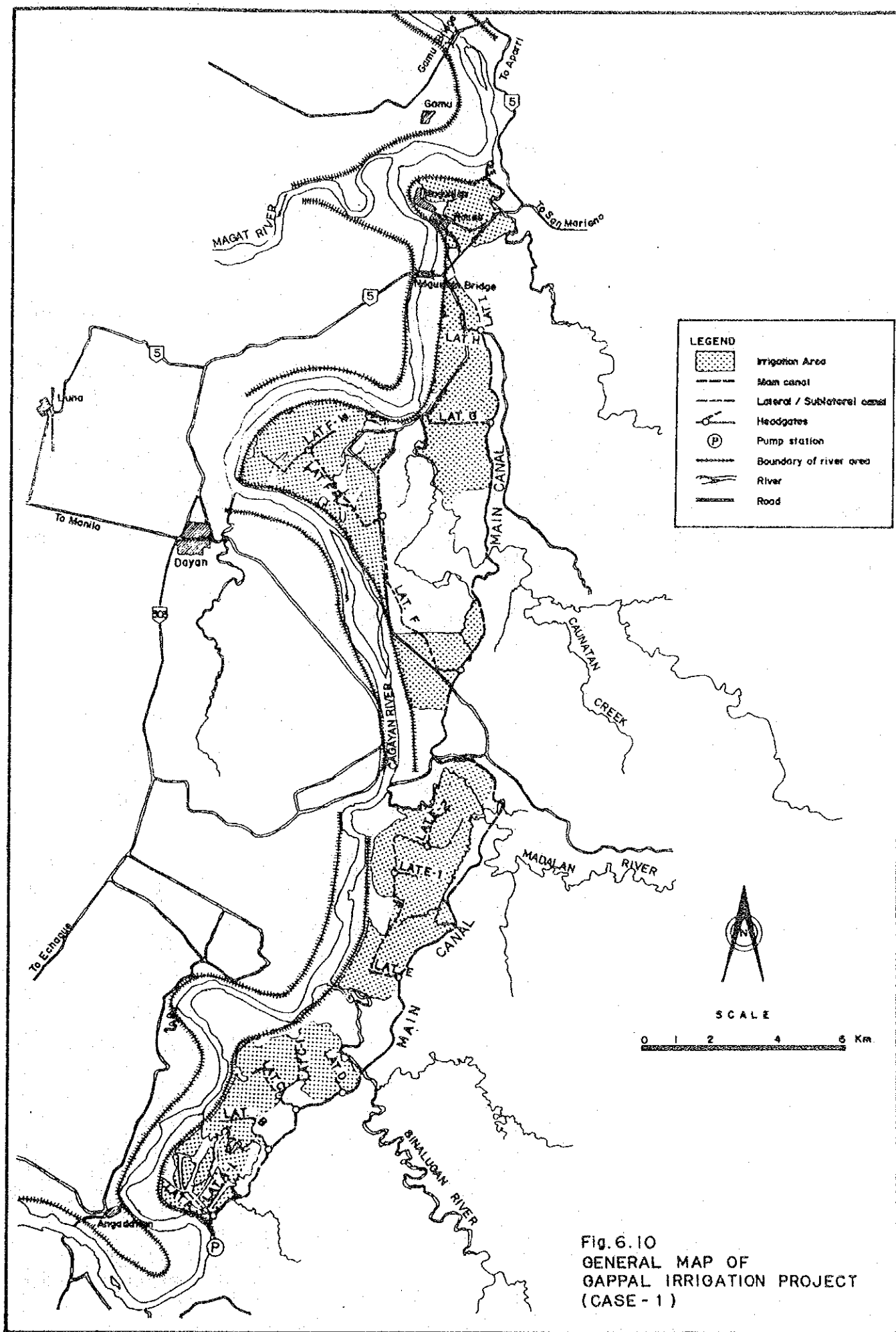


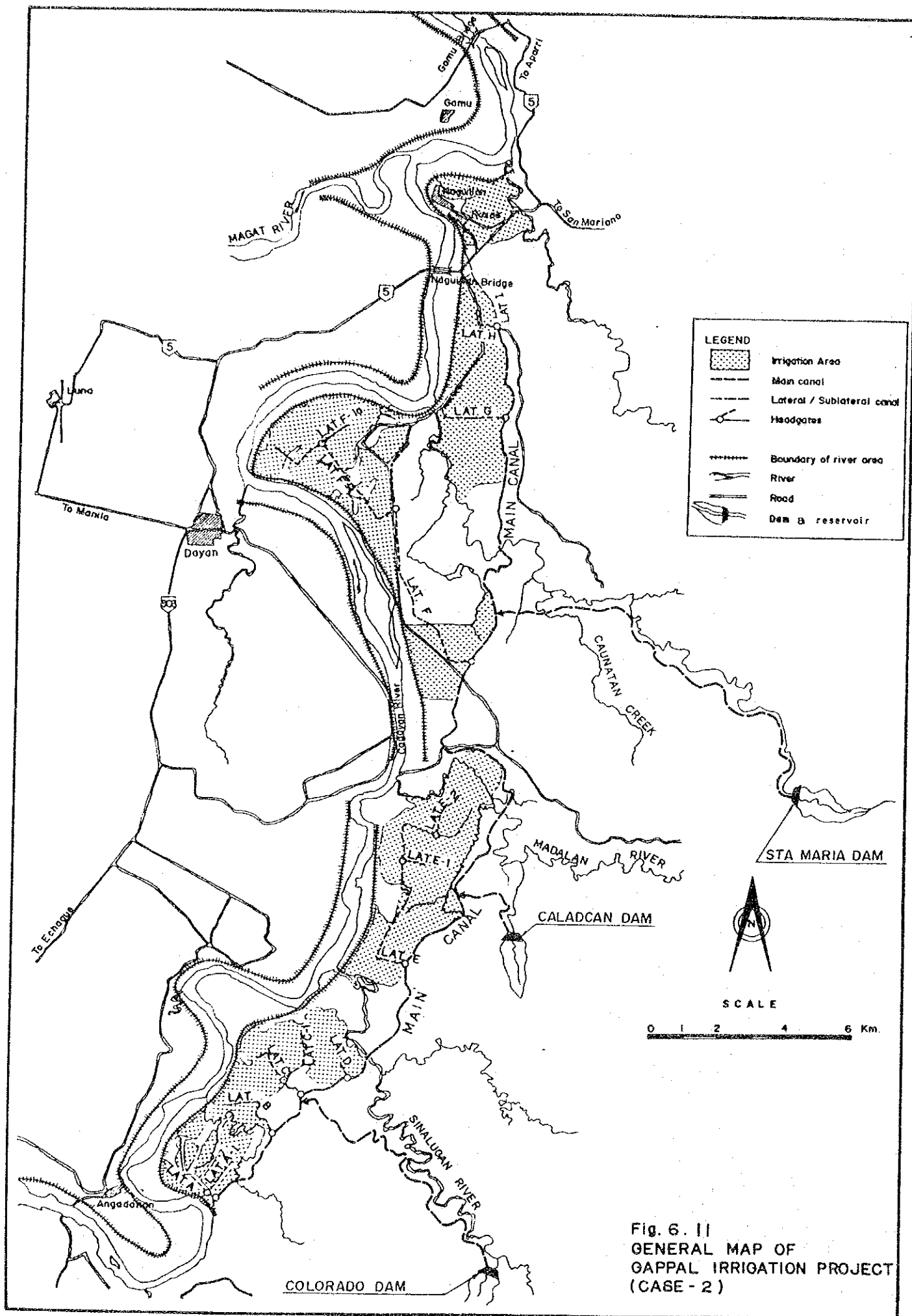












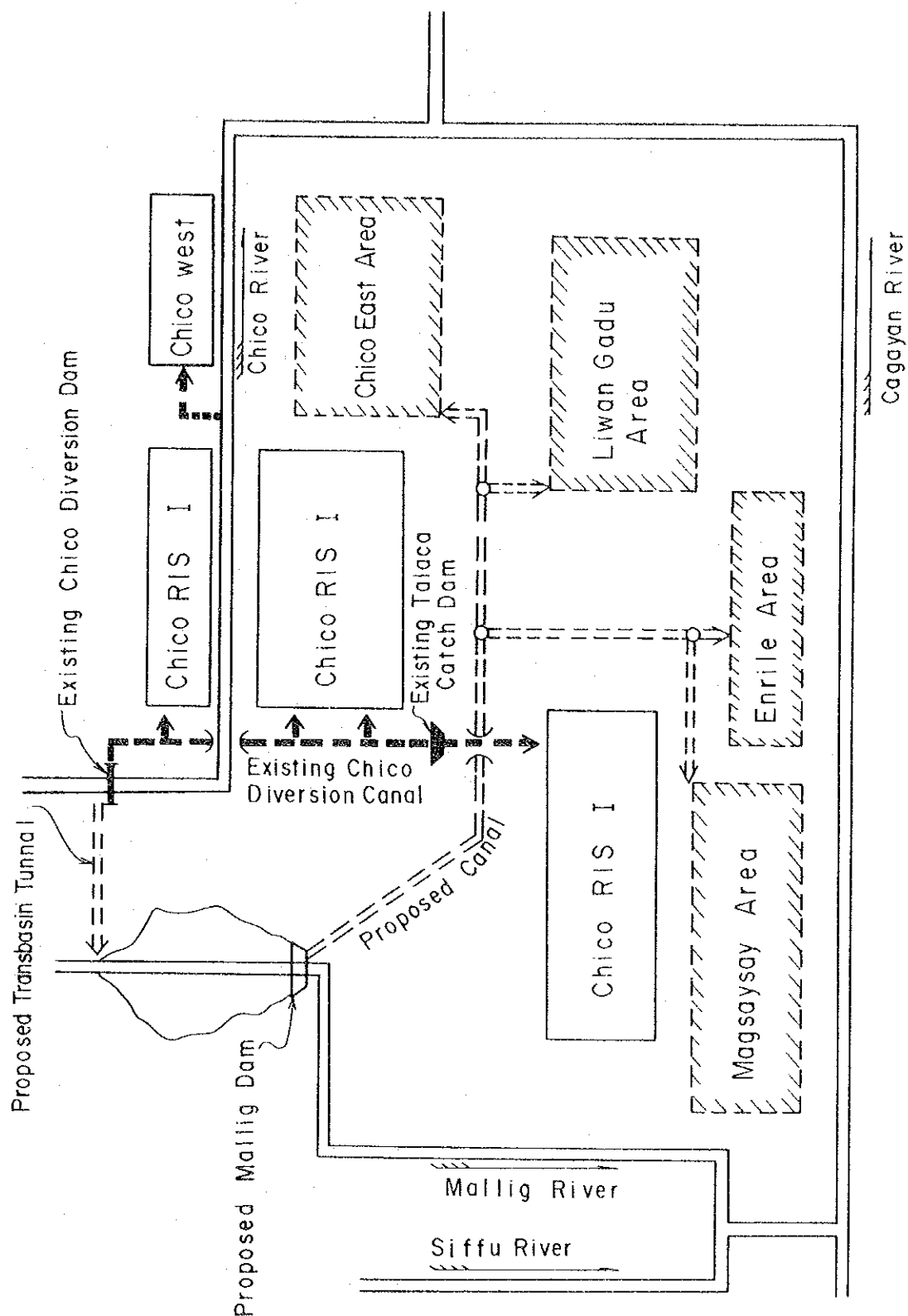


Fig 6.12 SCHEMATIC LAYOUT OF
CHICO - MALLIG IRRIGATION
PROJECT

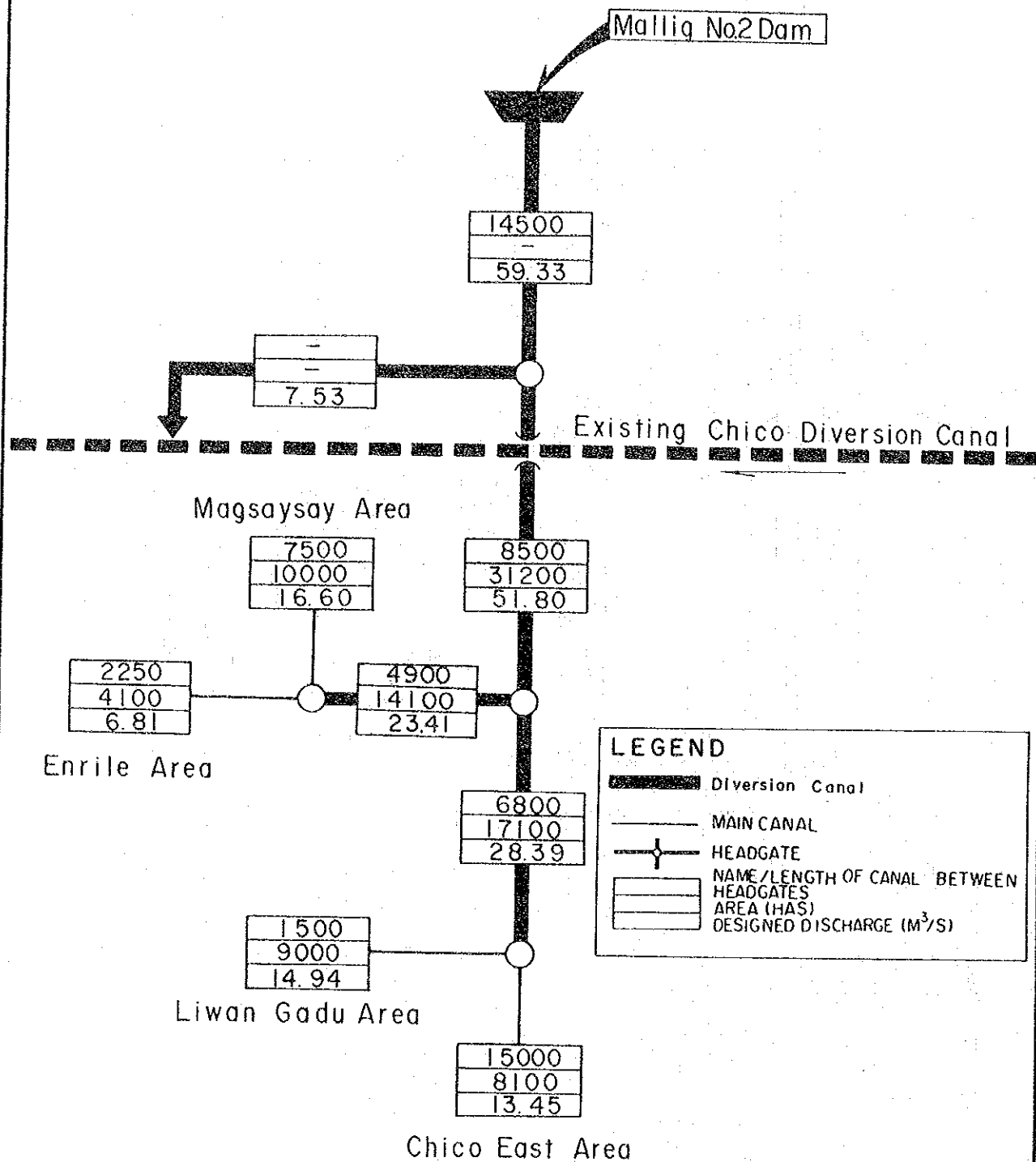


Fig 6.13(I) IRRIGATION DIAGRAM OF CHICO MALLIG IRRIGATION PROJECT (DIVERSION CANAL SYSTEM)

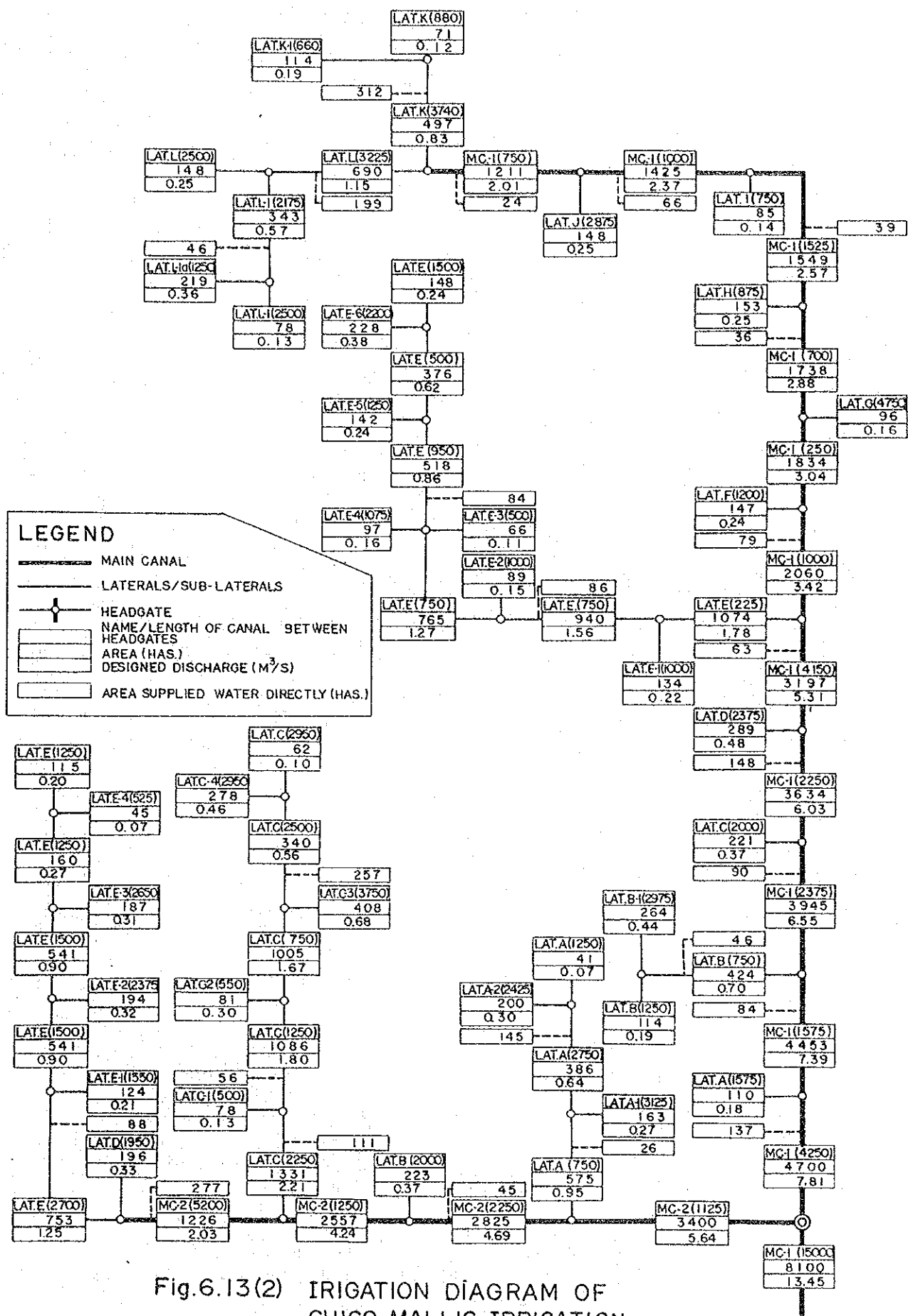


Fig.6.13(2) IRRIGATION DIAGRAM OF
CHICO MALLIG IRRIGATION
PROJECT
(CHICO EAST AREA)

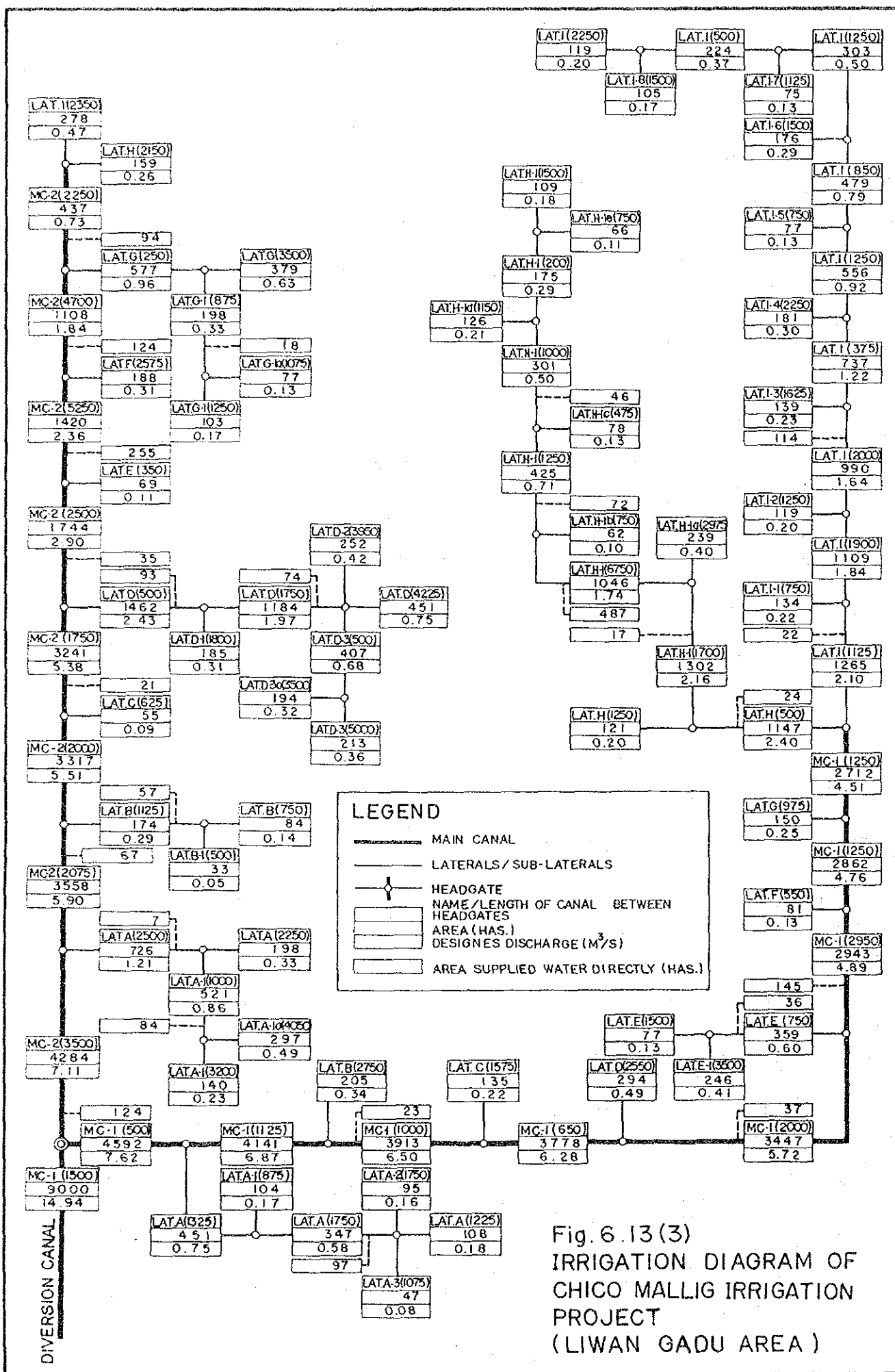


Fig. 6.13 (3)
IRRIGATION DIAGRAM OF
CHICO MALLIG IRRIGATION
PROJECT
(LIWAN GADU AREA)

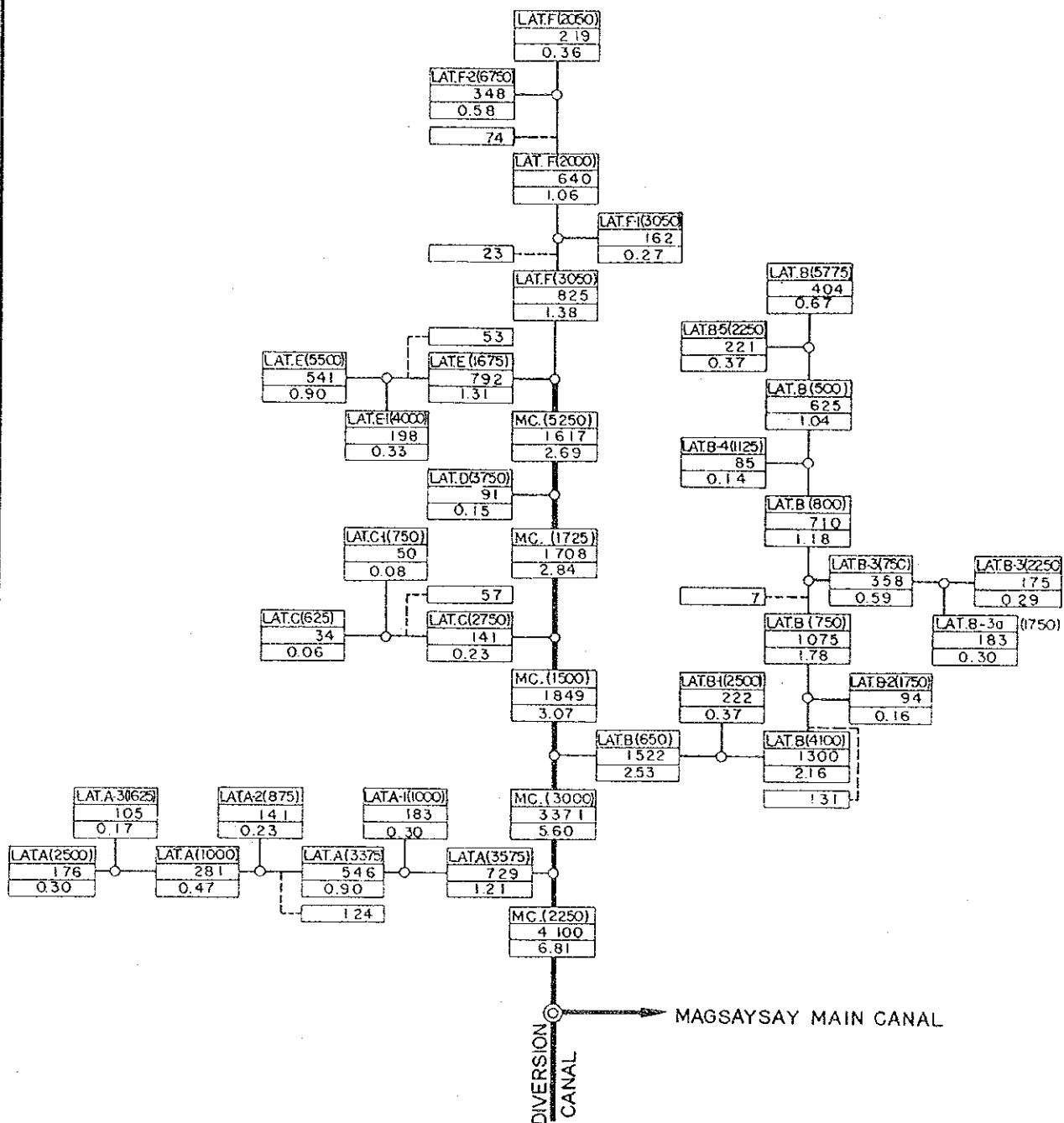


Fig.6.13(4)
IRRIGATION DIAGRAM OF
CHICO MALLIG IRRIGATION
PROJECT
(ENRILE AREA)

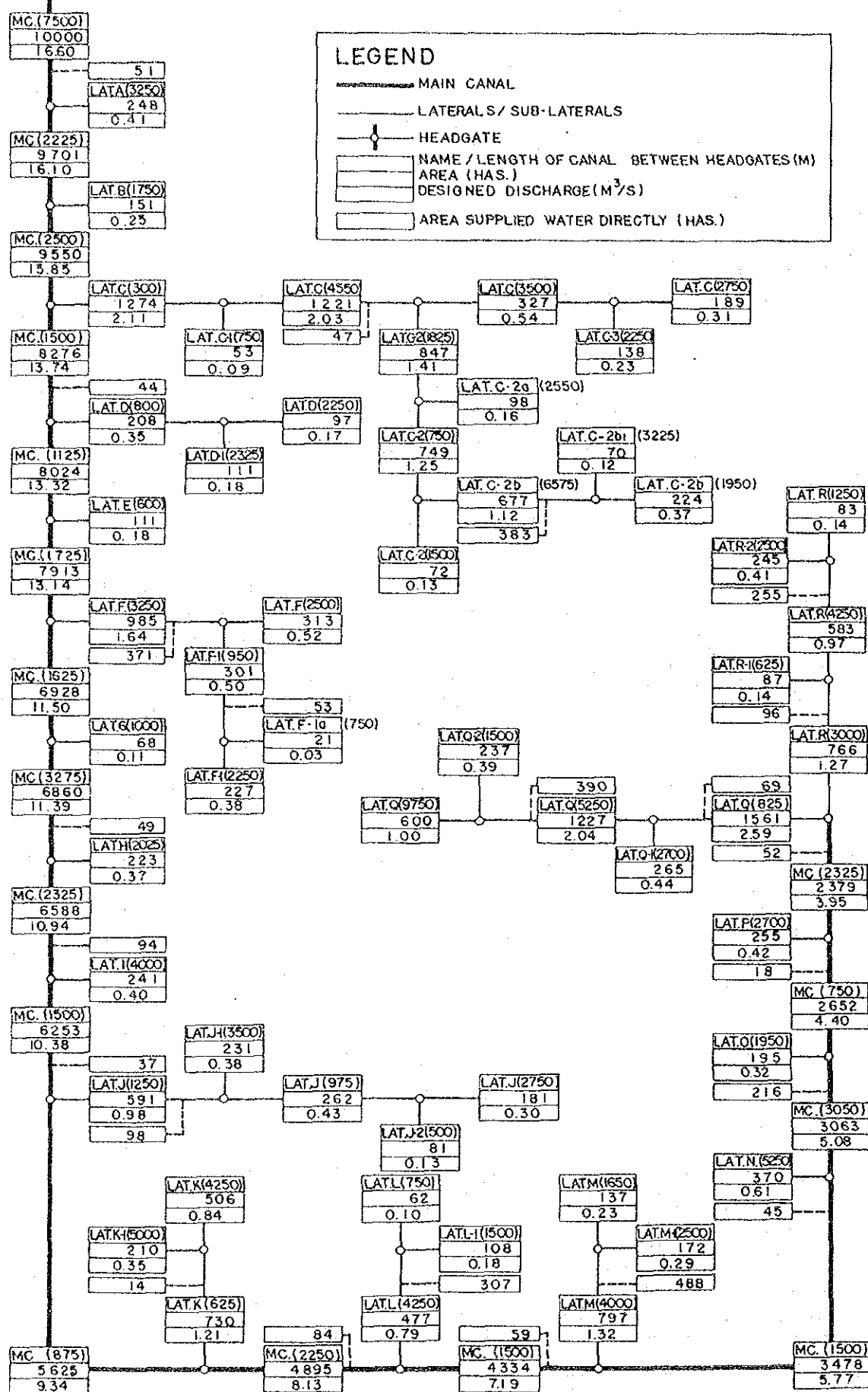


Fig.6.13 (5) IRRIGATION DIAGRAM OF CHICO MALLIG IRRIGATION PROJECT (MAGSAYSAY AREA)

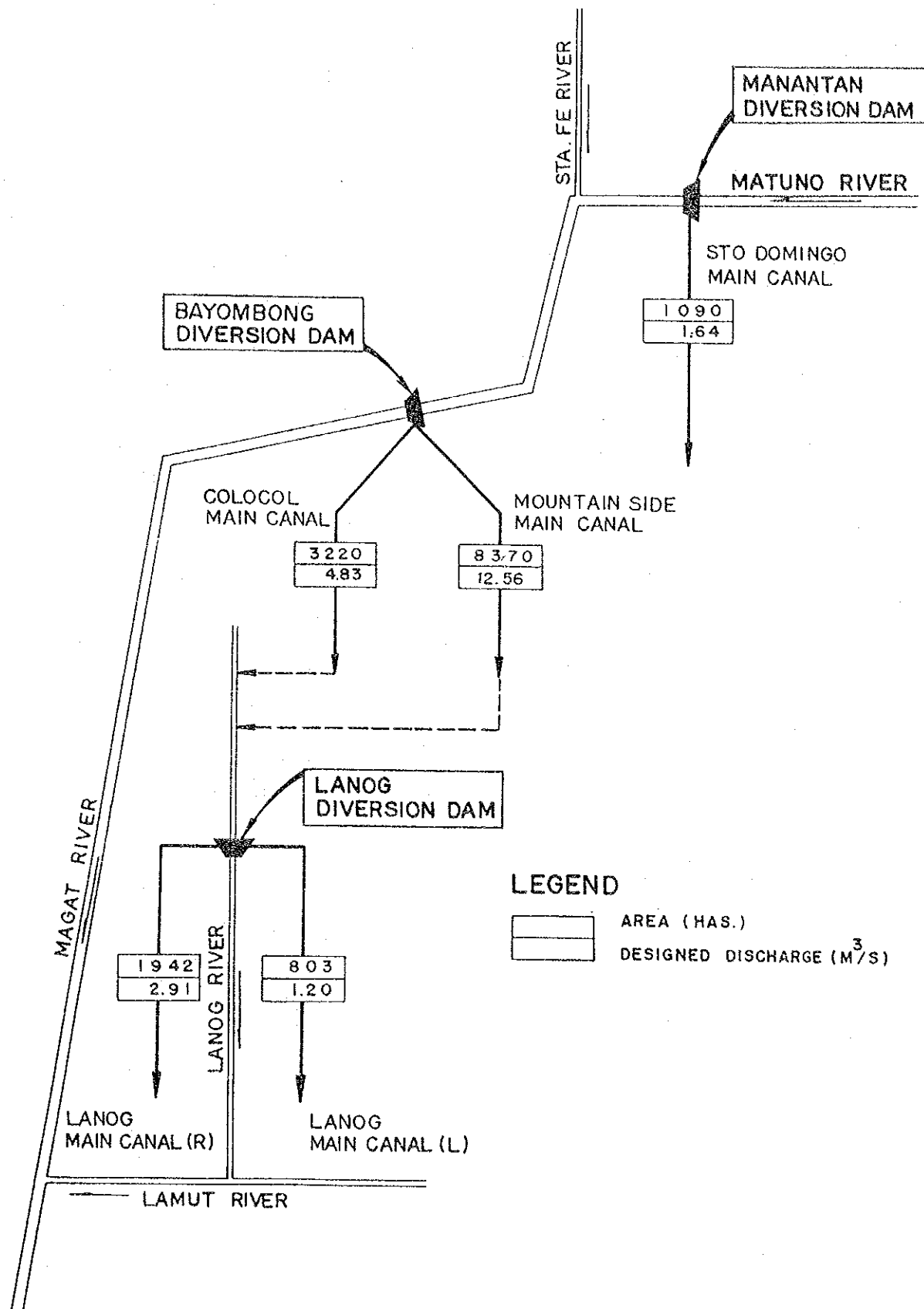


Fig.6.14(1) IRRIGATION DIAGRAM OF
MATUNO RIVER IRRIGATION PROJECT

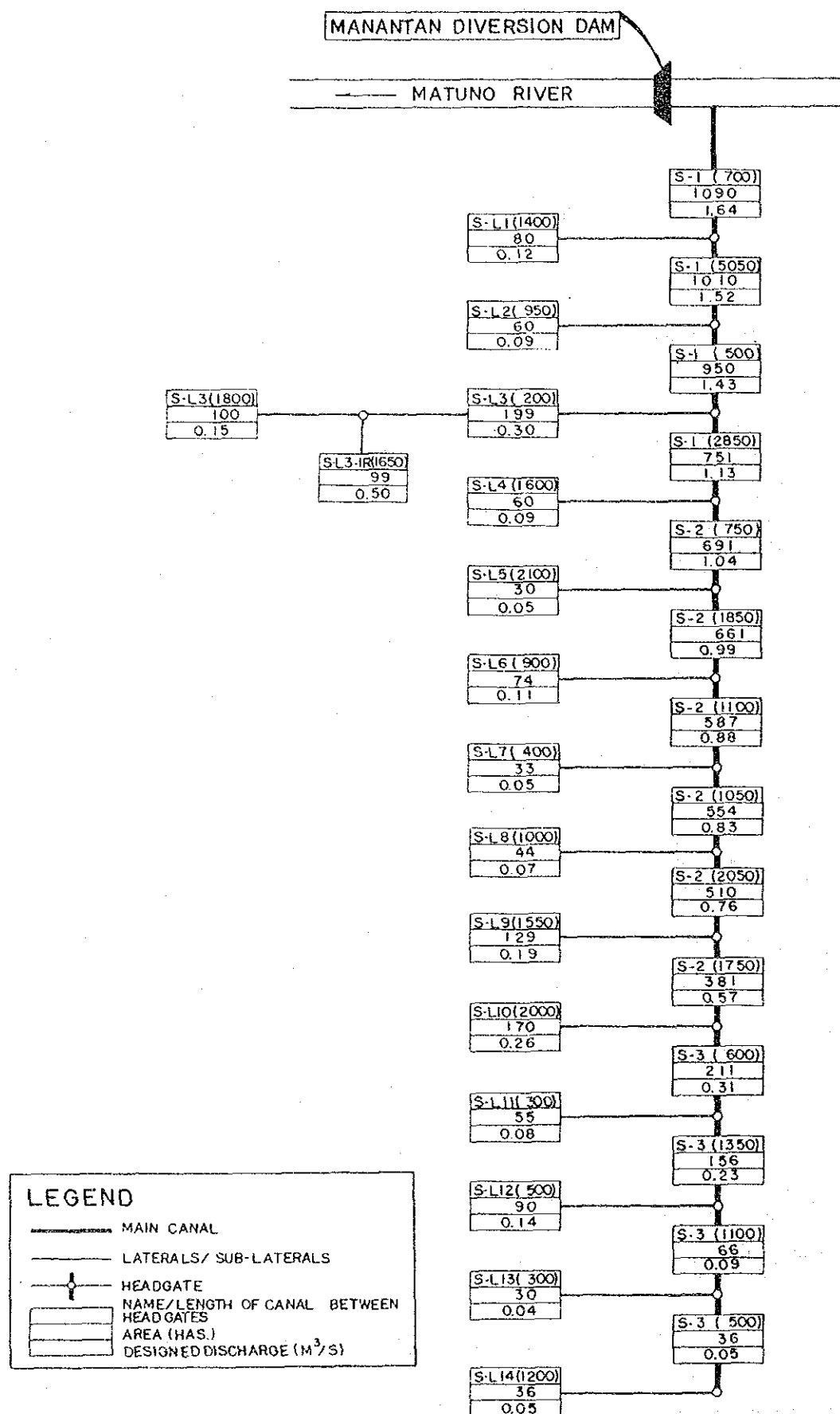


Fig.6.14(2) IRRIGATION DIAGRAM OF
MATUNO RIVER IRRIGATION PROJECT
(STO DOMINGO MAIN CANAL)

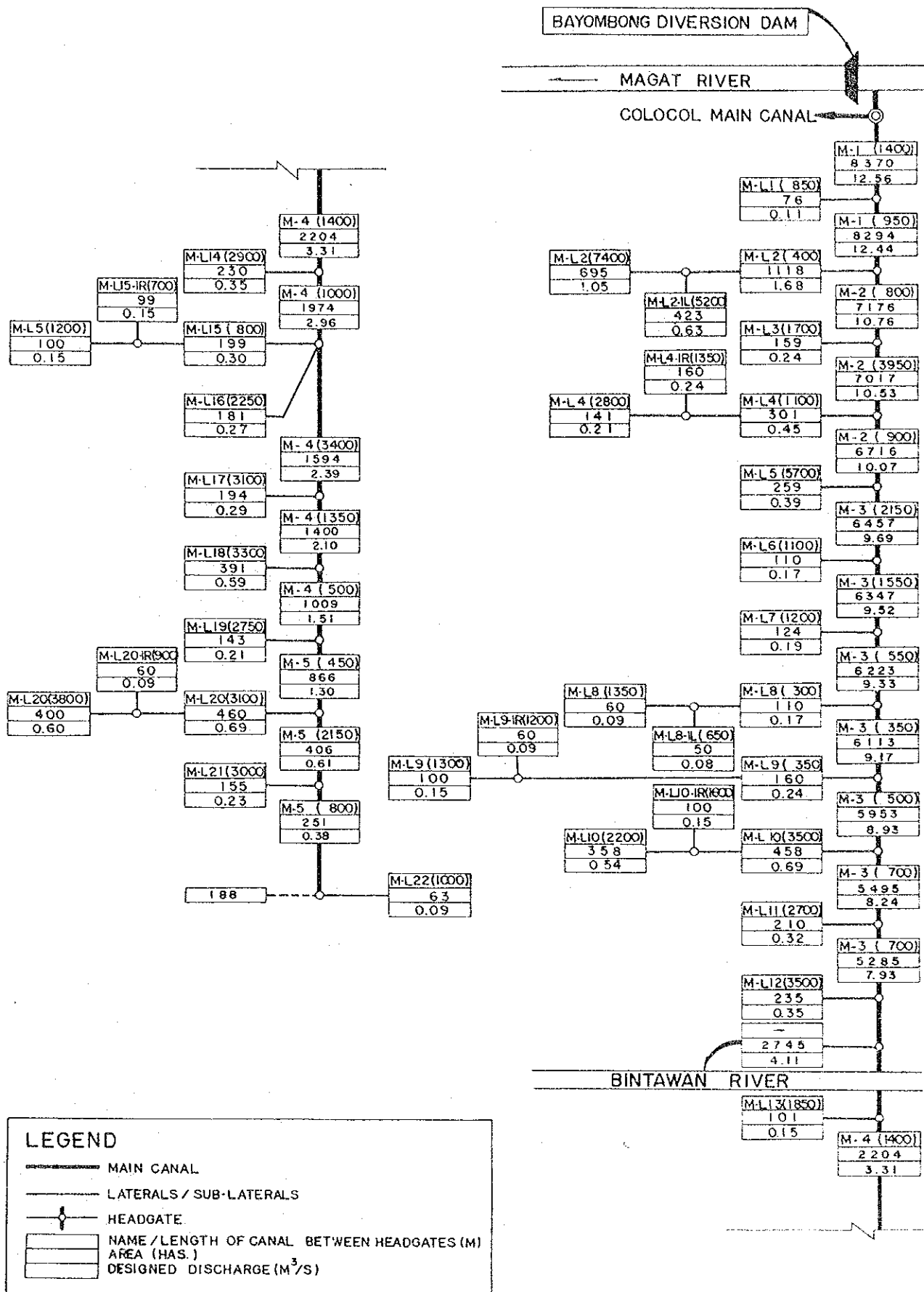


Fig. 6.14(3) IRRIGATION DIAGRAM OF
MATUNO RIVER IRRIGATION PROJECT
(MOUNTAIN SIDE MAIN CANAL)

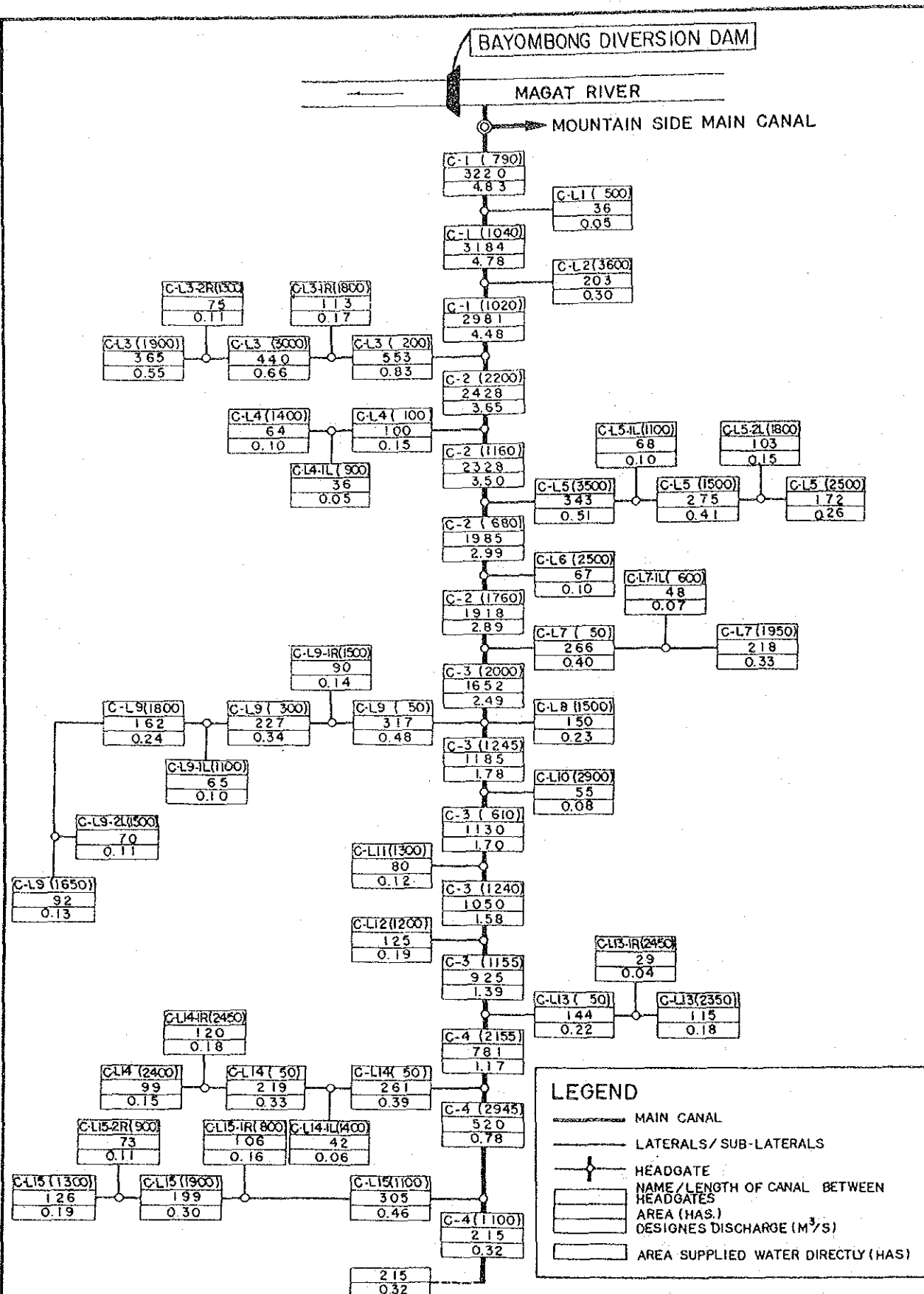


Fig.6.14 (4) IRRIGATION DIAGRAM OF
MATUNO RIVER IRRIGATION PROJECT
(COLOCOL MAIN CANAL)

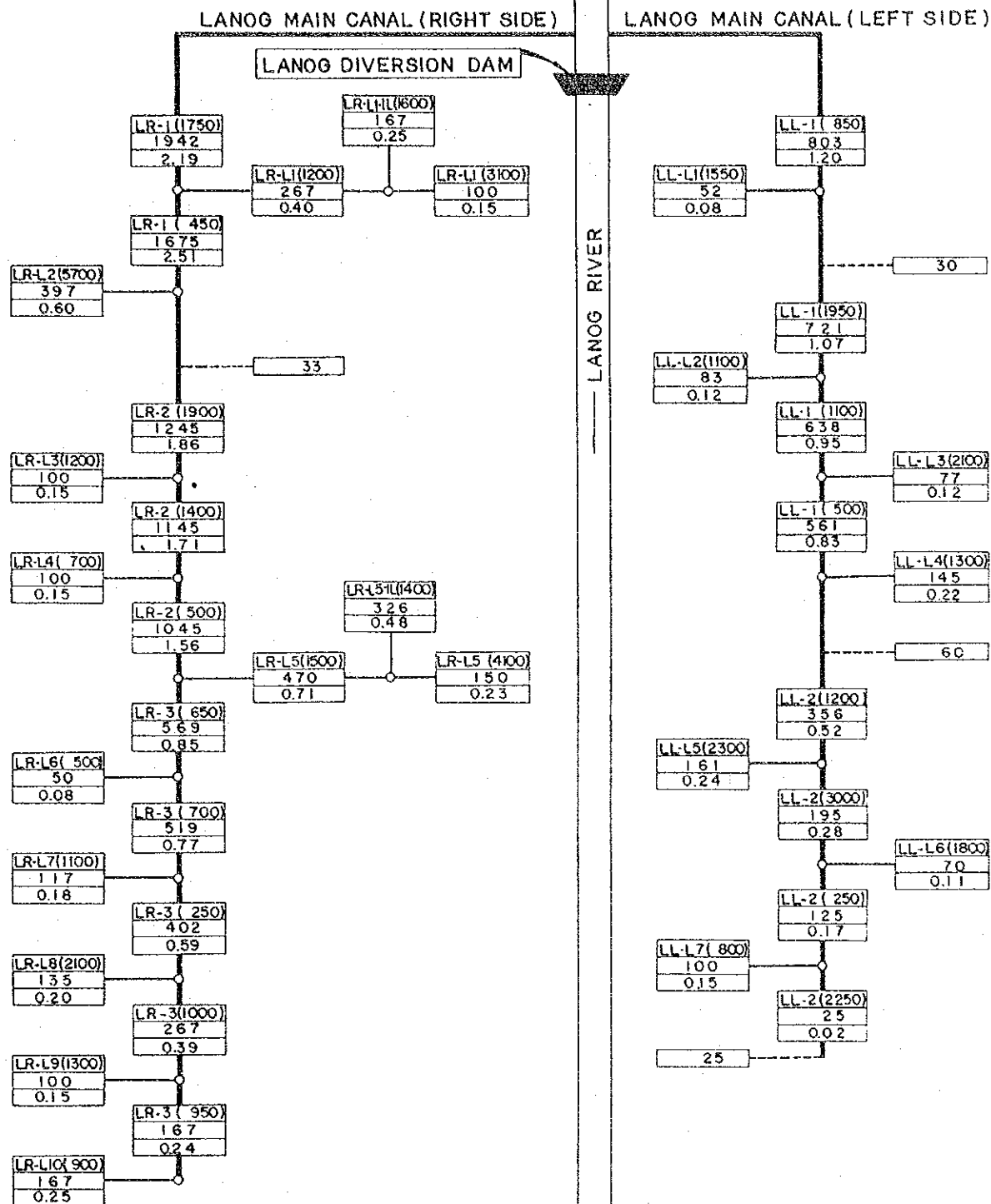


Fig.6.14 (5)
IRRIGATION DIAGRAM OF
MATUNO RIVER
IRRIGATION PROJECT
(LANOG MAIN CANAL)

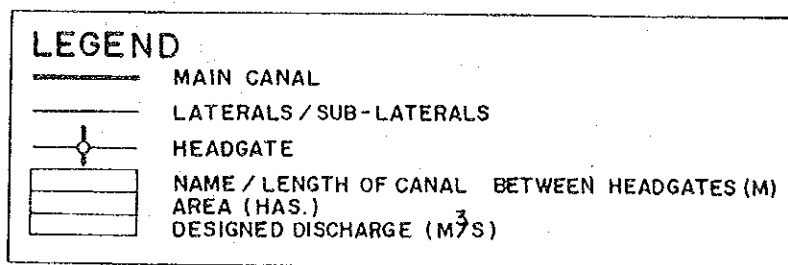
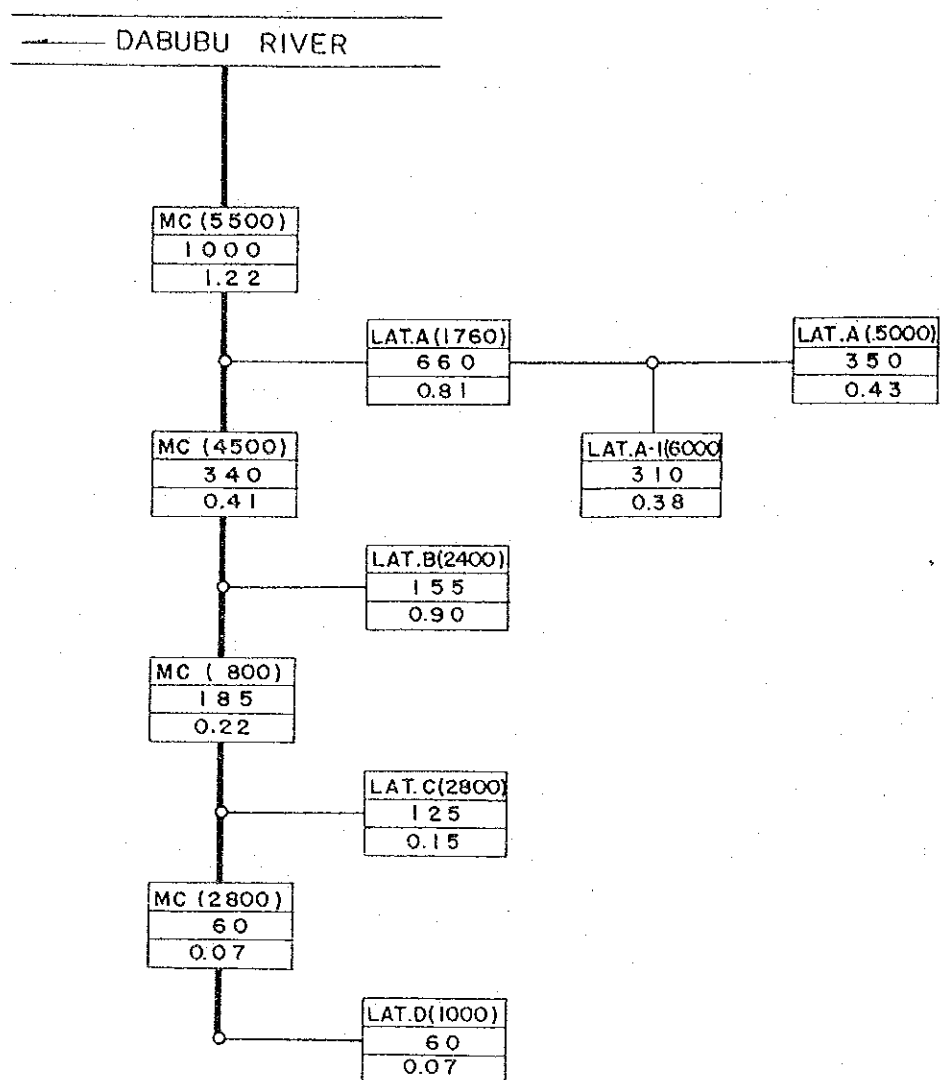


Fig. 6.15 IRRIGATION DIAGRAM OF
DABUBU RIVER IRRIGATION
PROJECT

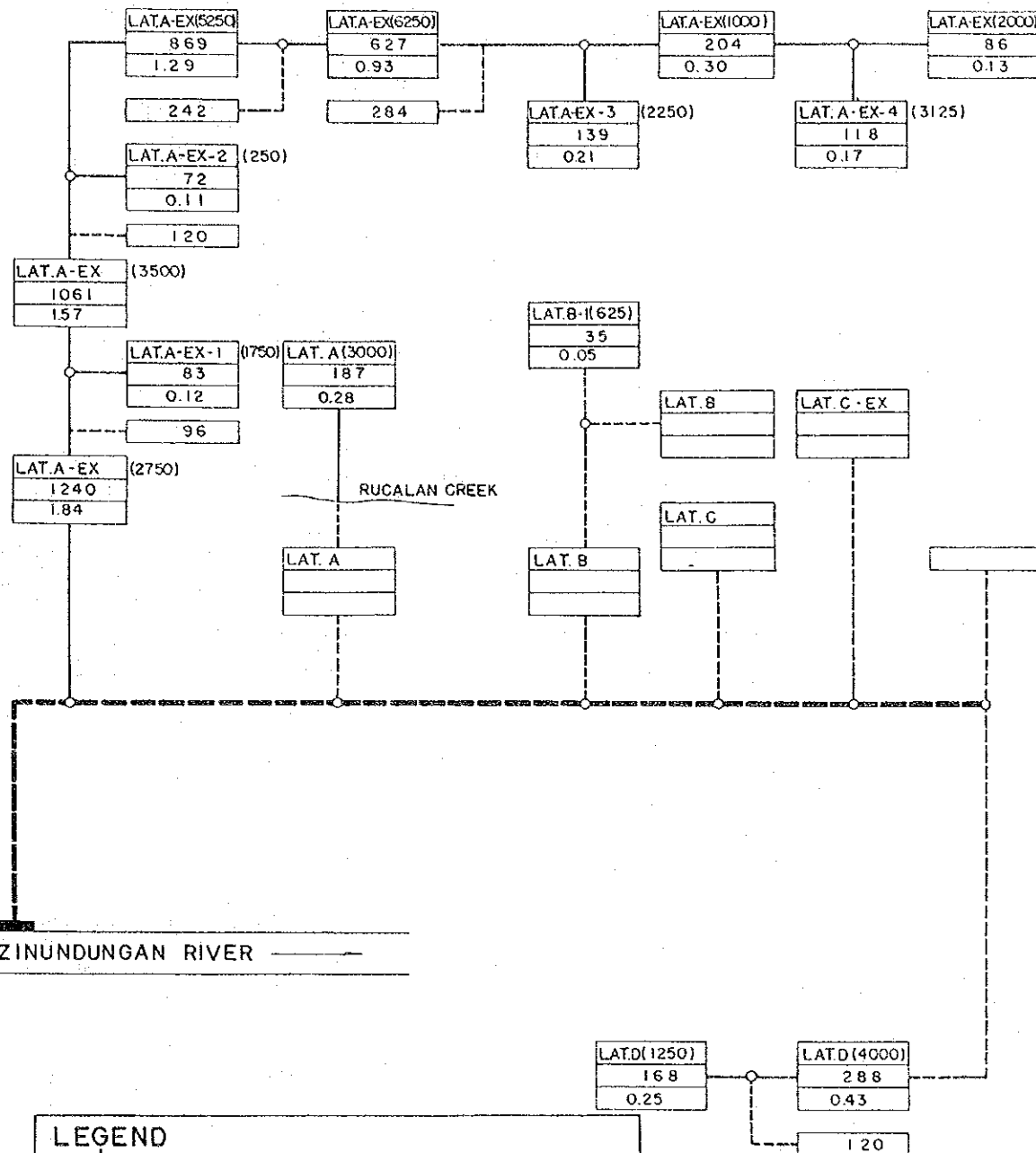


Fig.6.16 IRRIGATION DIAGRAM OF ZINUNDUNGAN IRRIGATION EXTENSION PROJECT

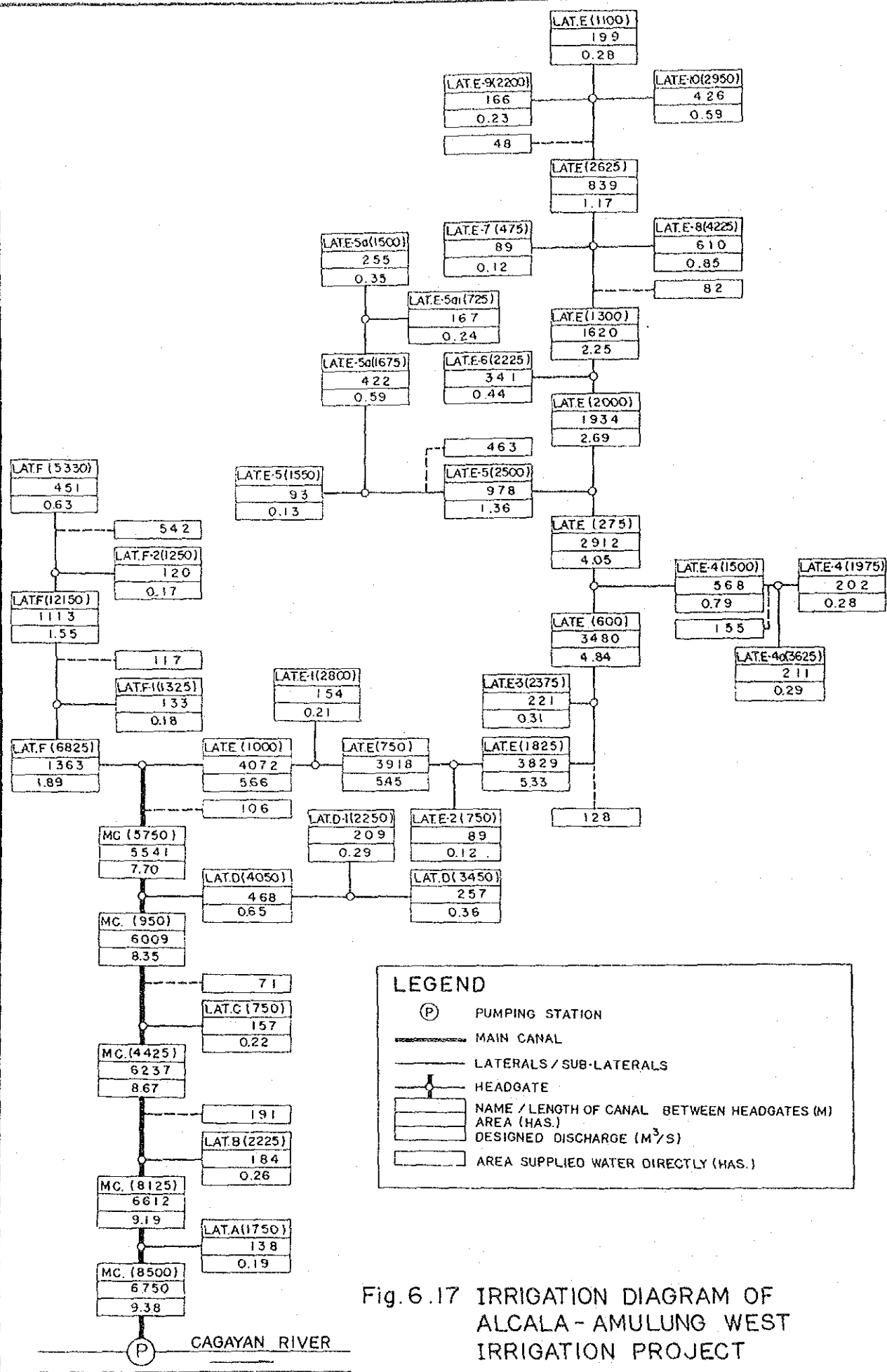


Fig.6.17 IRRIGATION DIAGRAM OF
ALCALA-AMULUNG WEST
IRRIGATION PROJECT

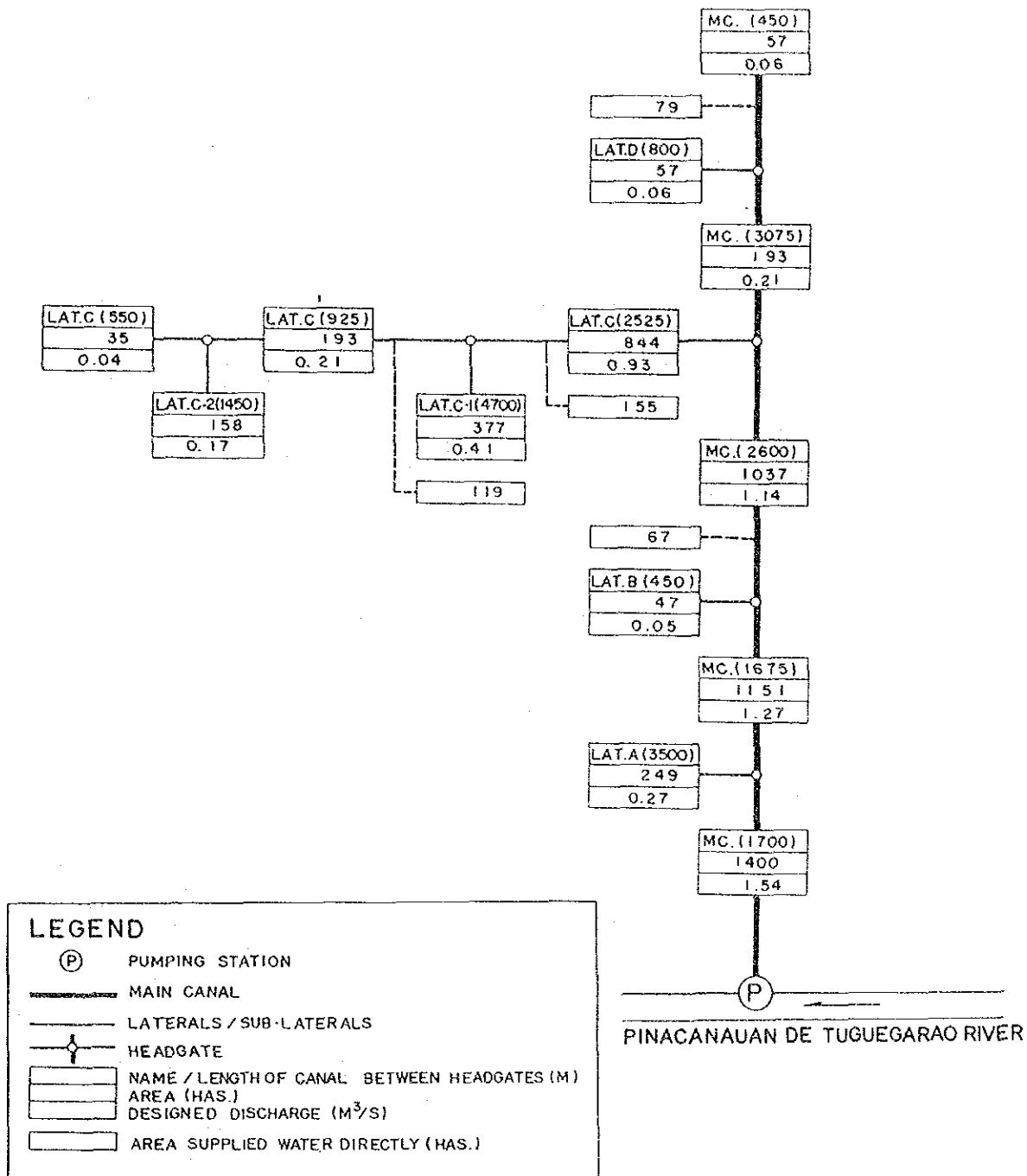
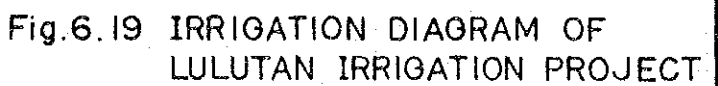


Fig. 6.18 IRRIGATION DIAGRAM OF TUGUEGARAO IRRIGATION PROJECT





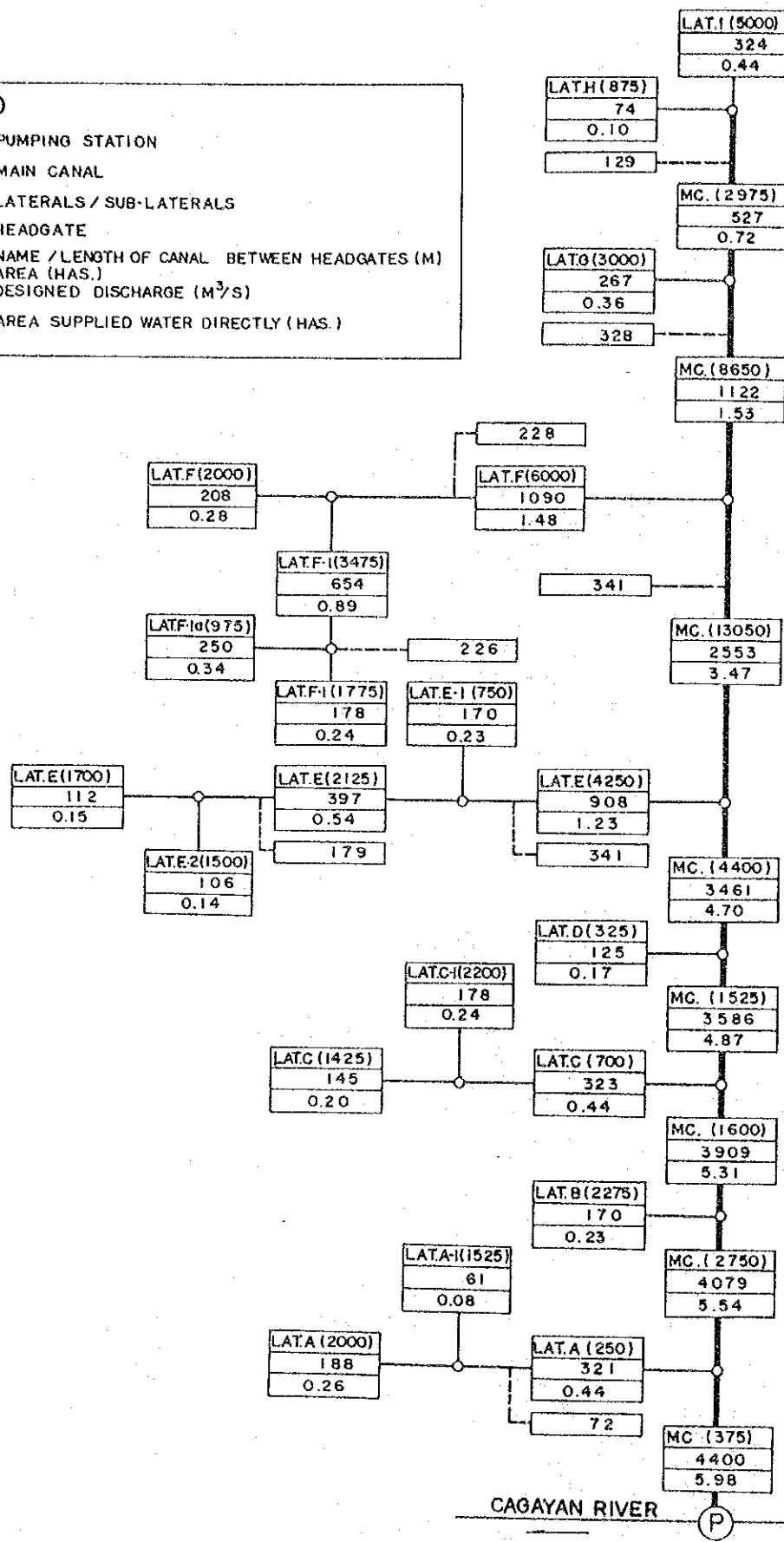
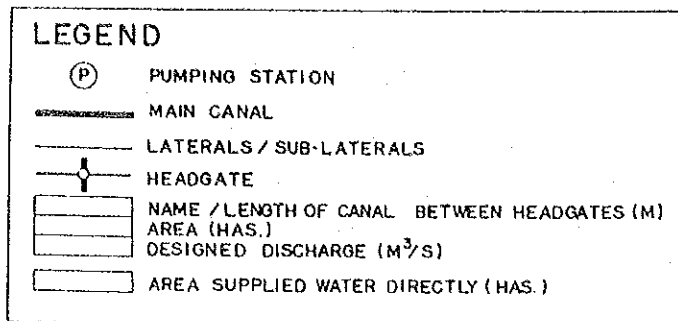
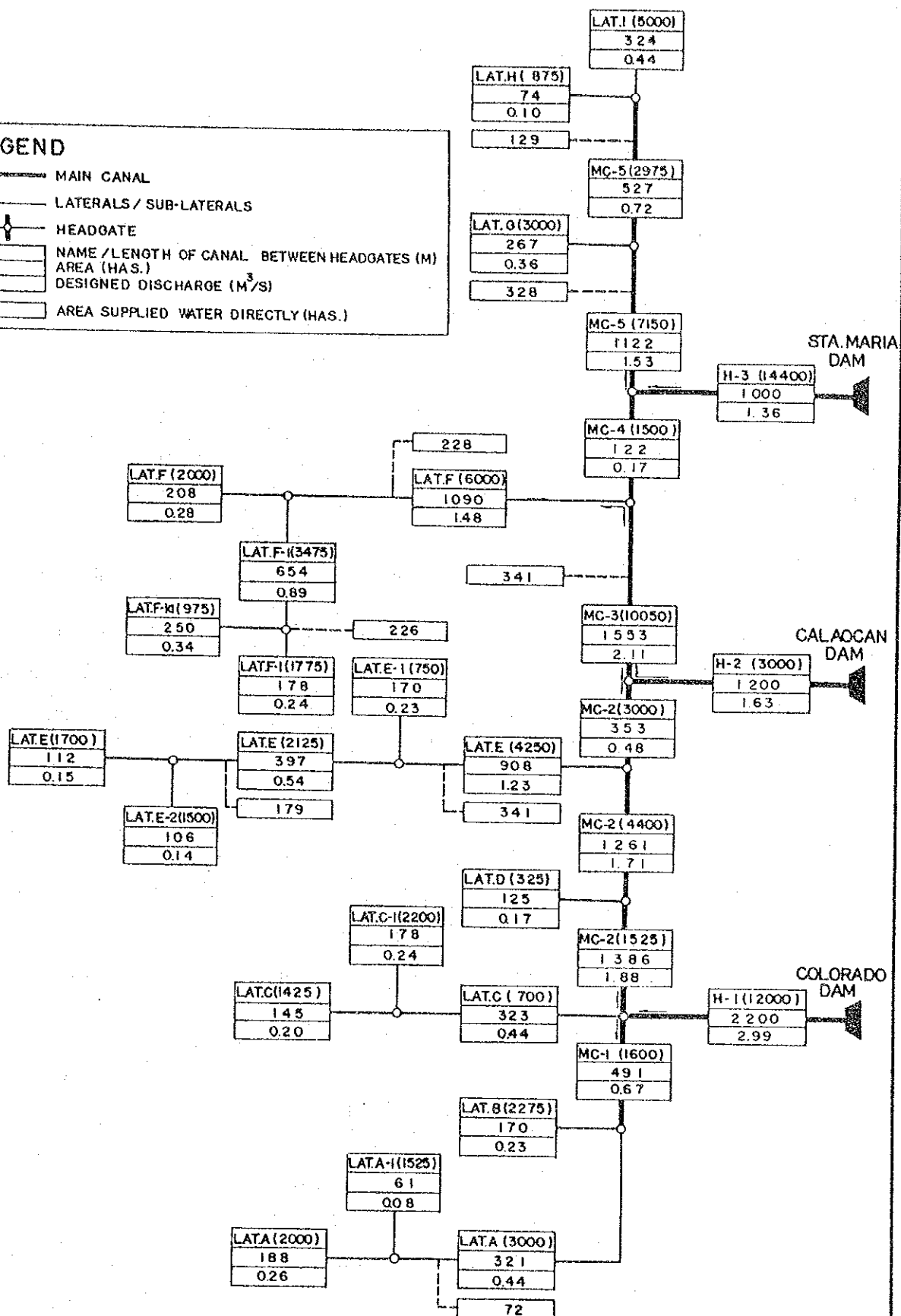
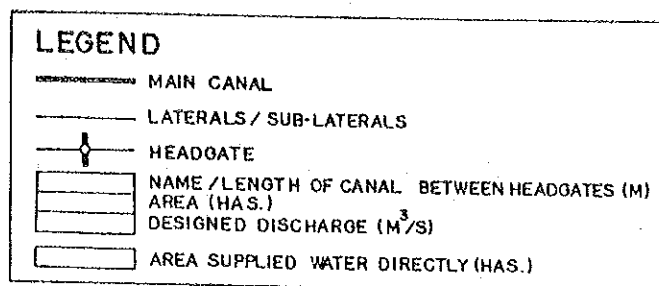


Fig. 6.21 IRRIGATION DIAGRAM OF GAPPAL IRRIGATION PROJECT (CASE - 1)



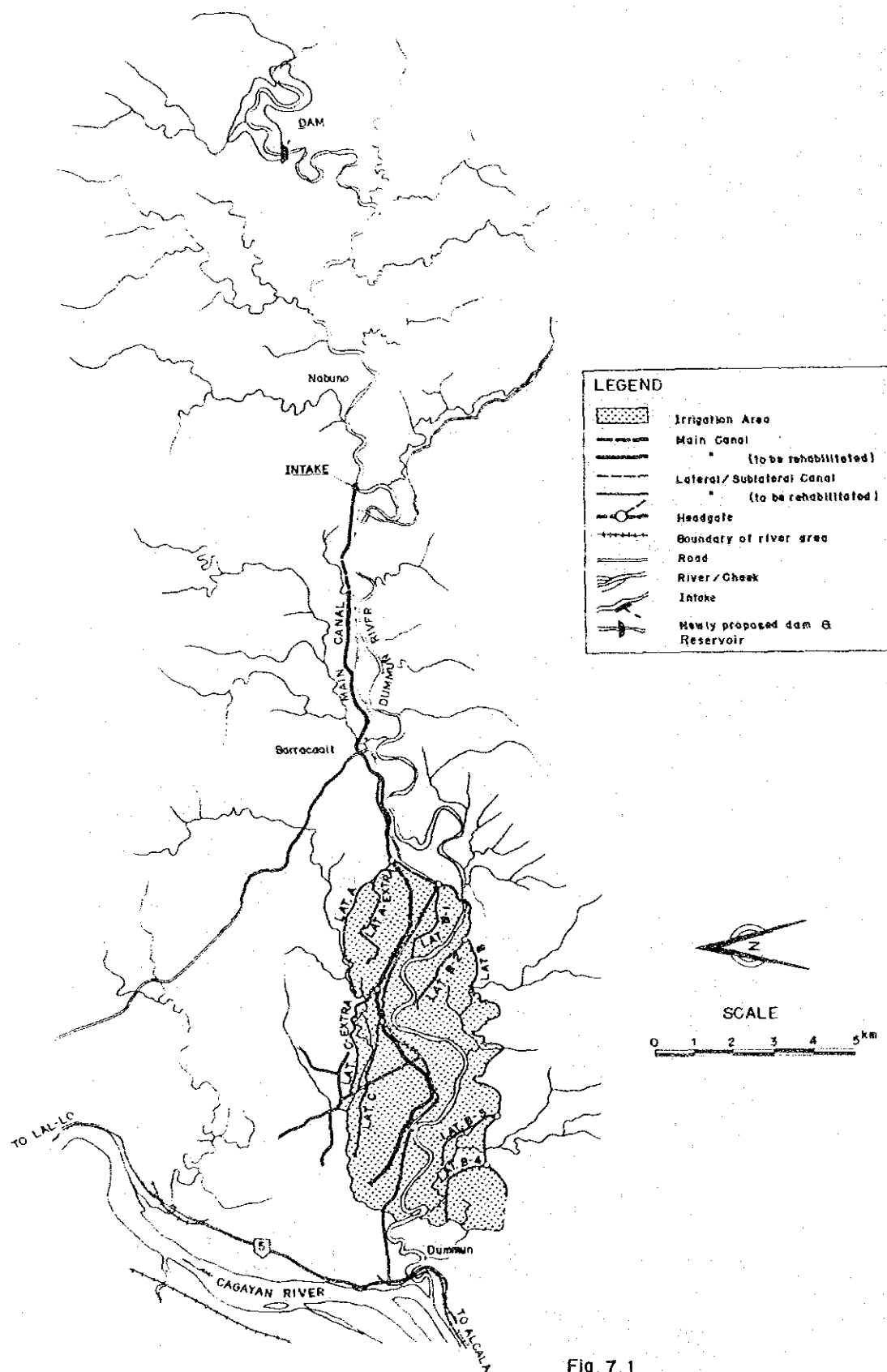
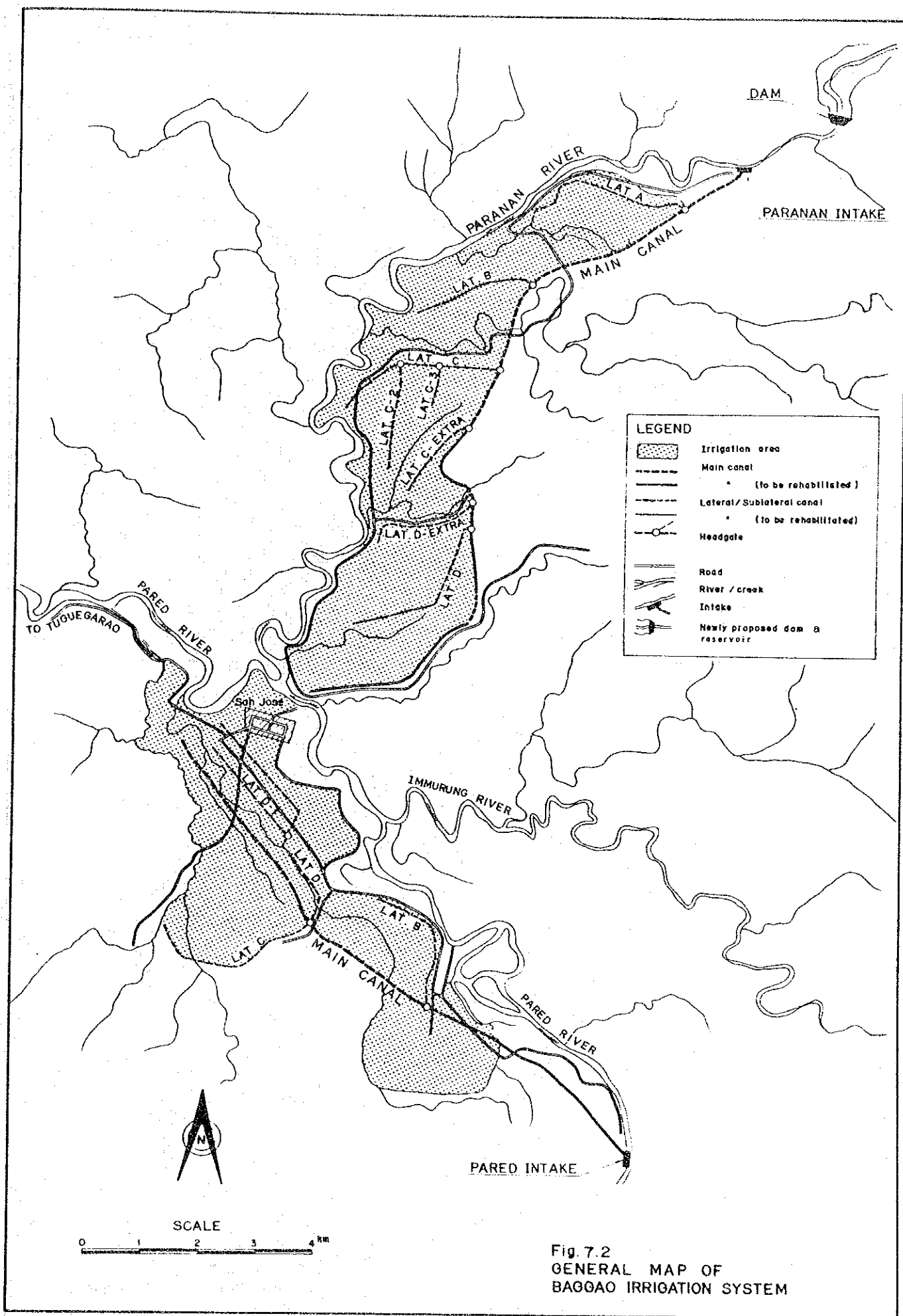
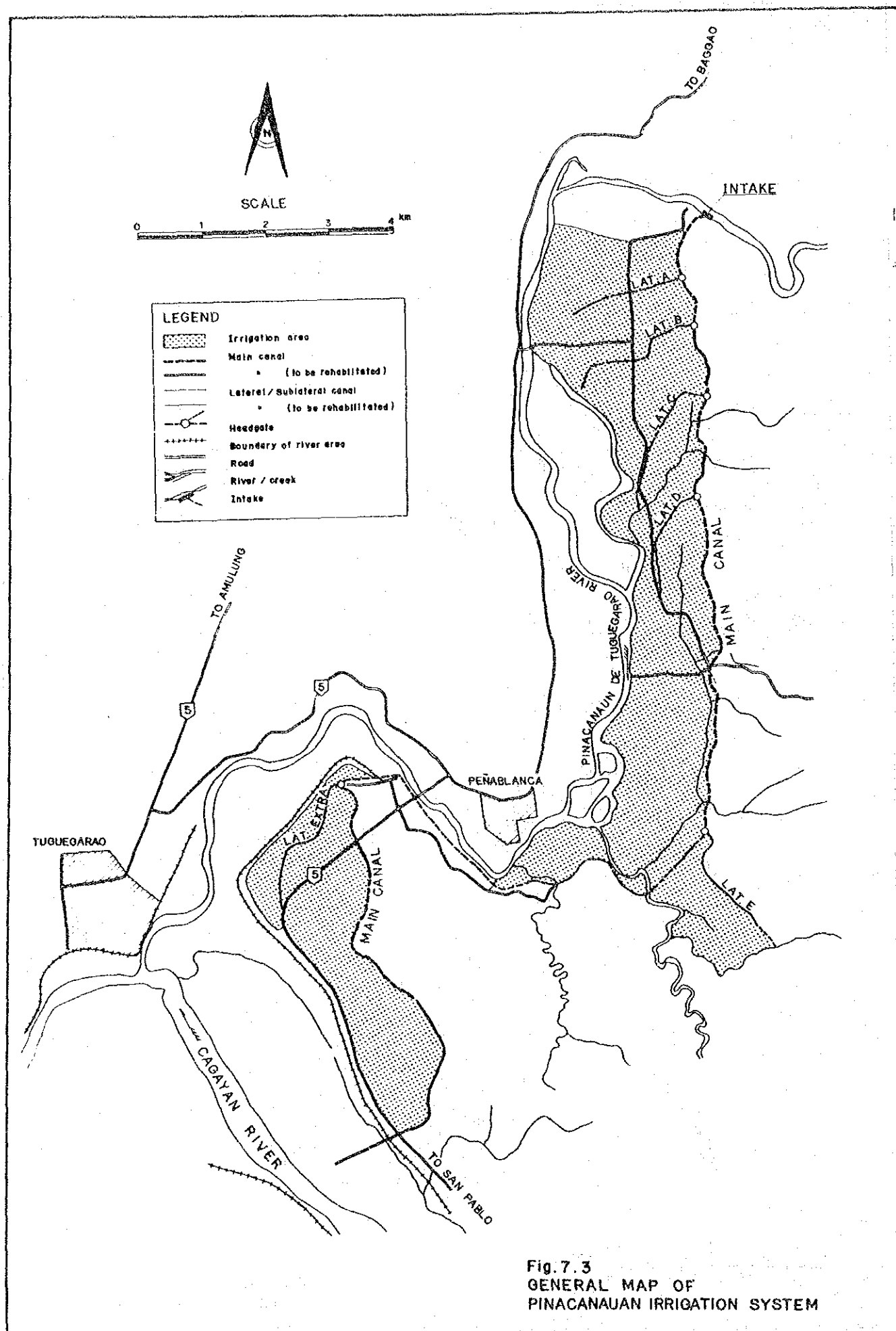
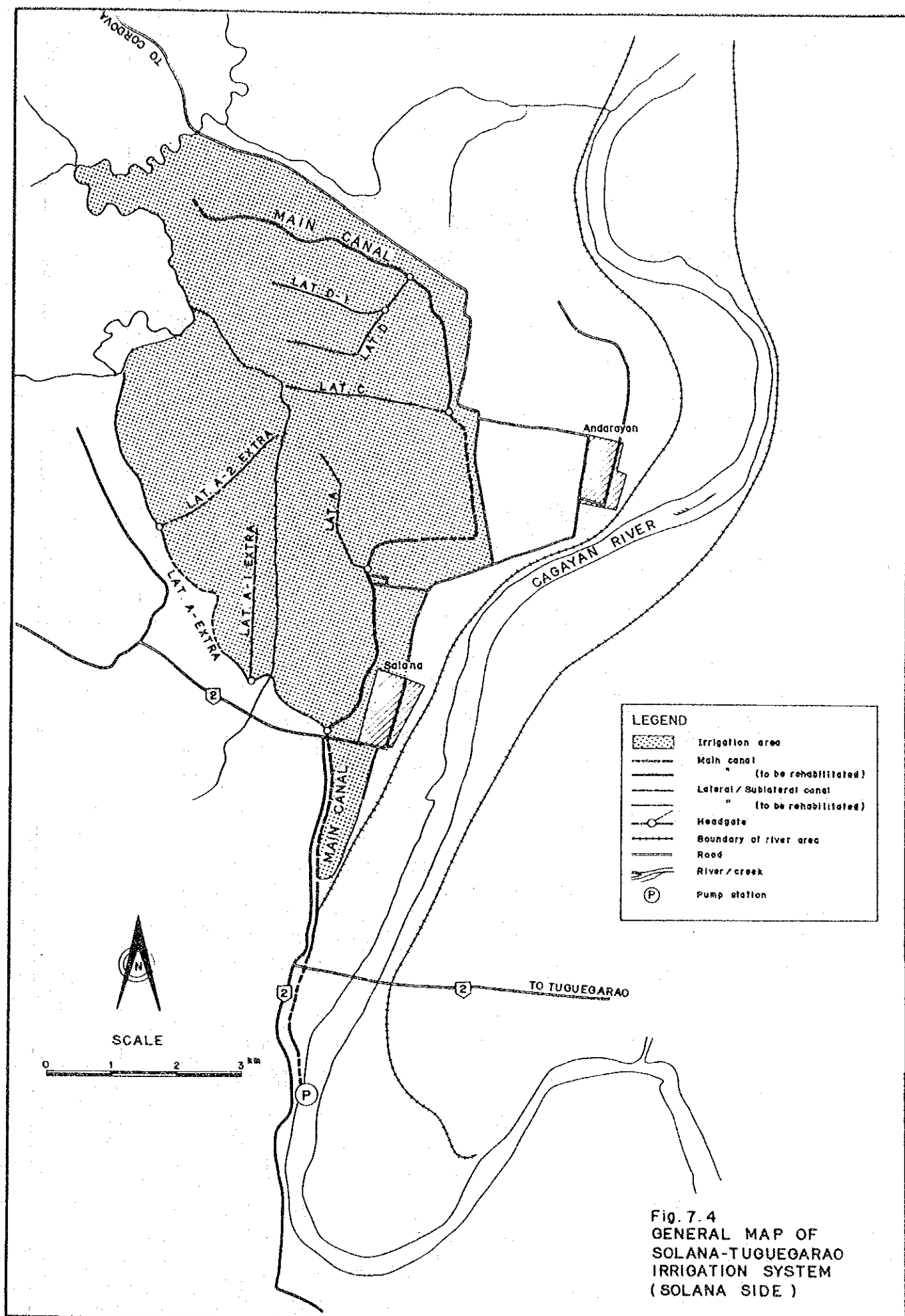


Fig. 7.1
GENERAL MAP OF
DUMMUN RIVER IRRIGATION SYSTEM







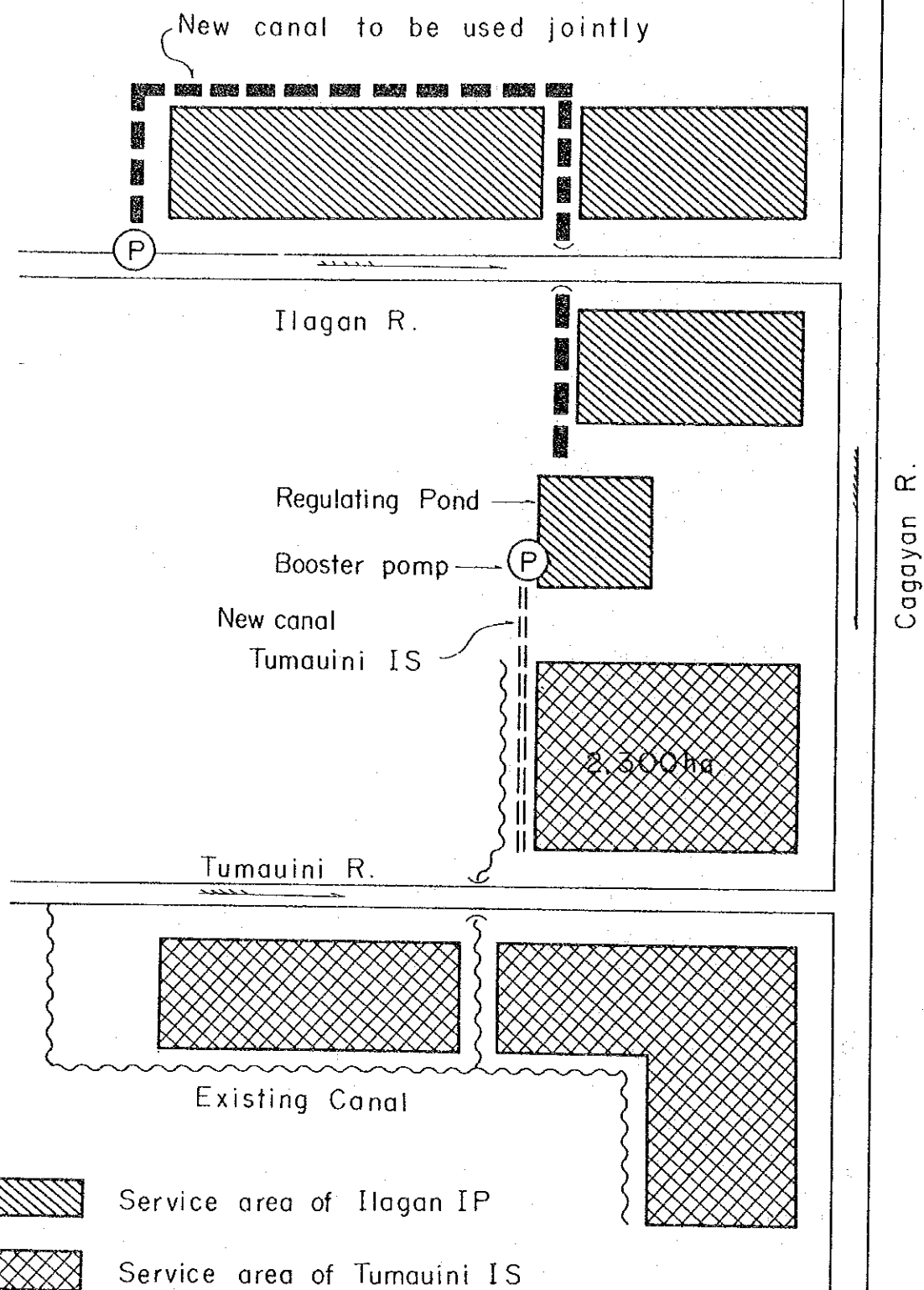


Fig 7.5 CORRELATION OF ILAGAN IP AND TUMAUNI IS

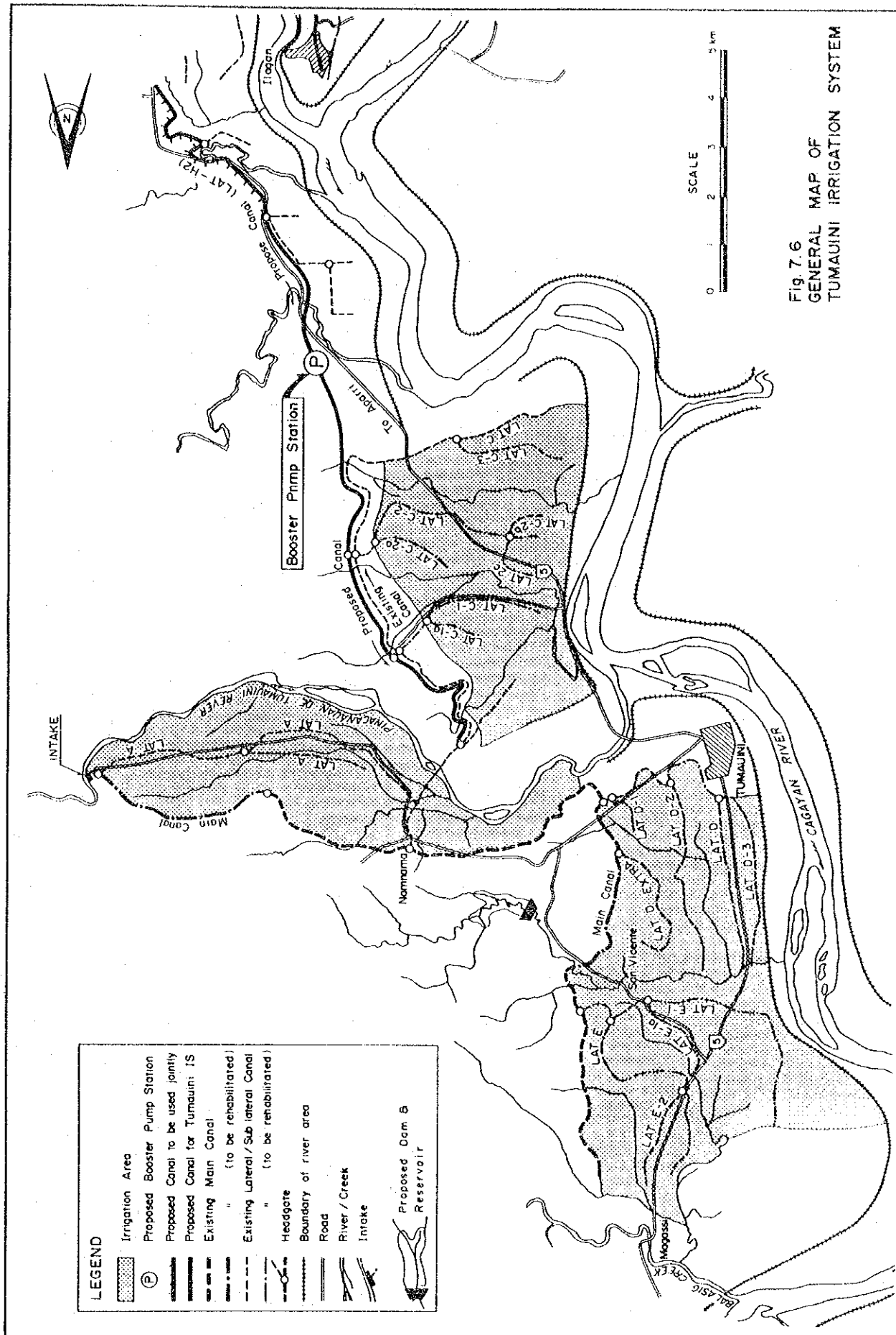
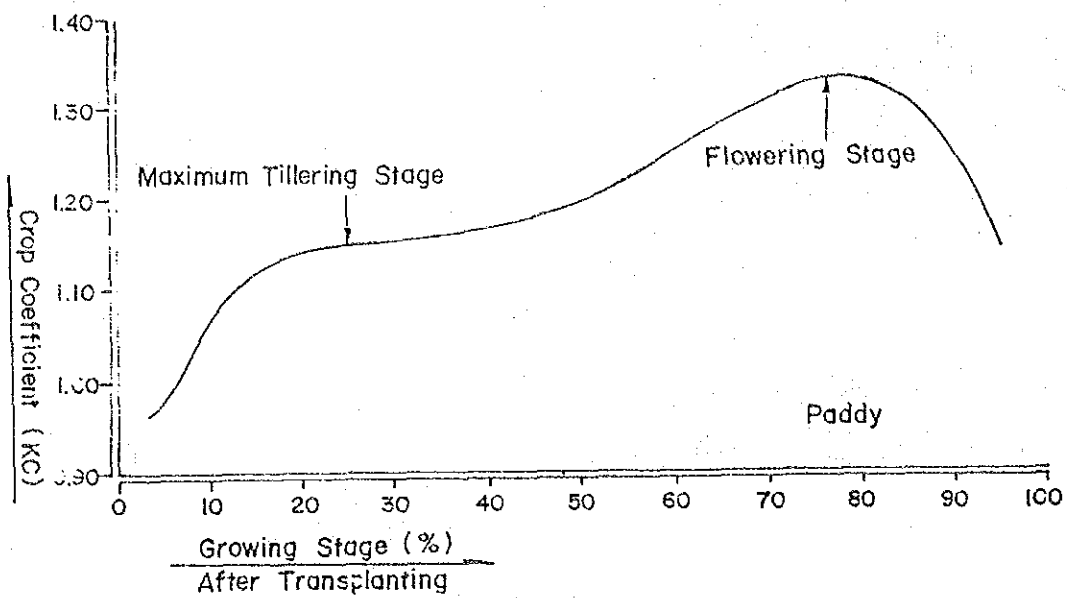
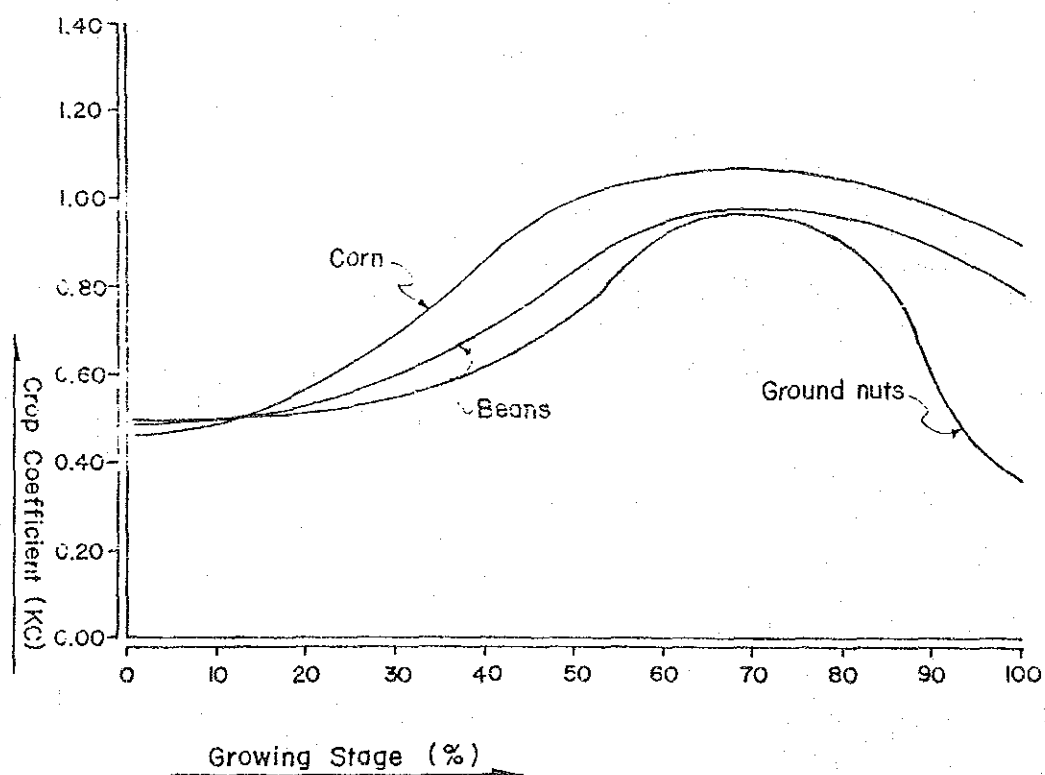


Fig. 7.6
GENERAL MAP OF
TUMAUNI IRRIGATION SYSTEM



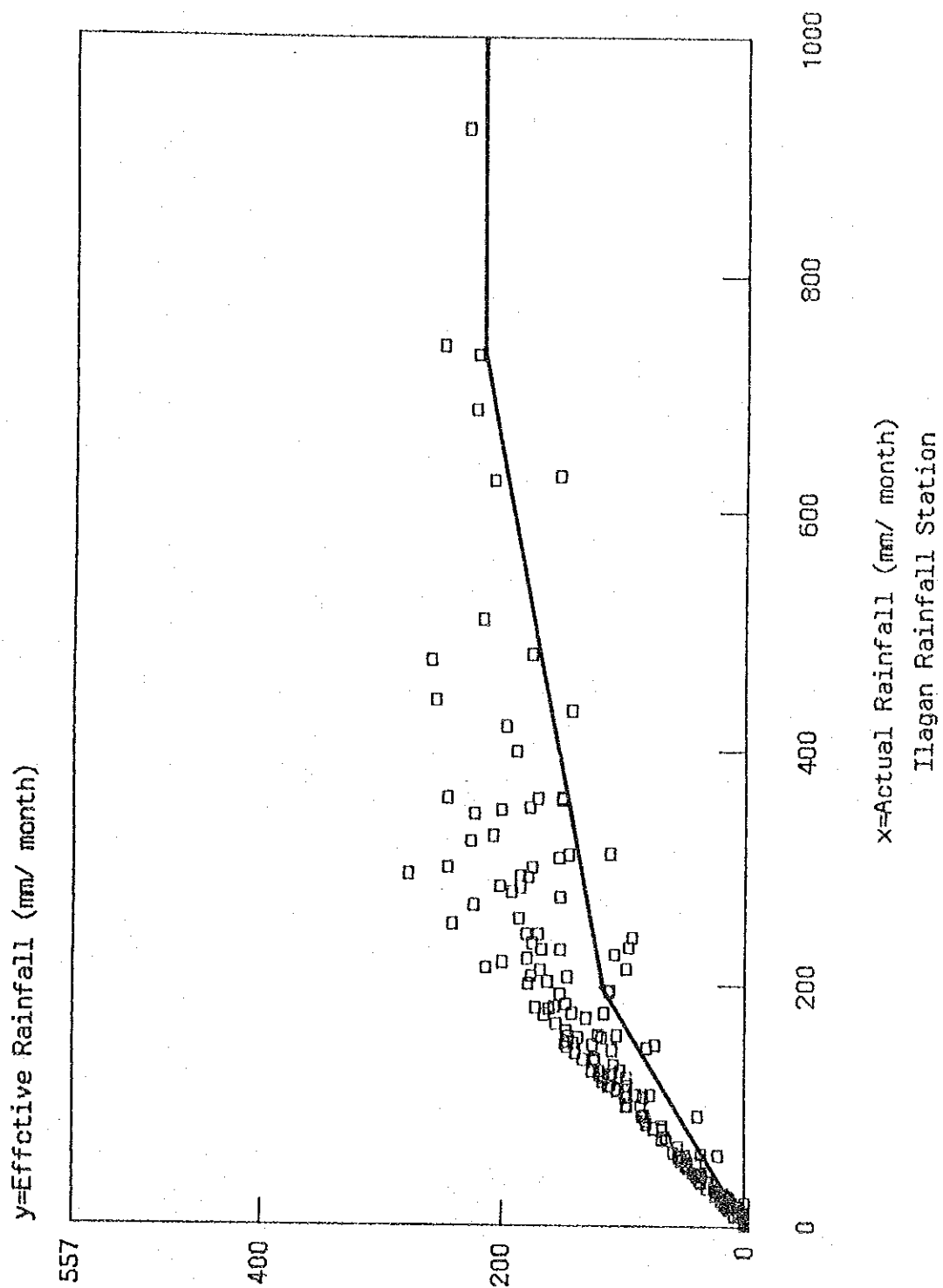
Source : IR - 310



Source : IR - 319

Fig. 9.1 CROP COEFFICIENT OF MAJOR CROPS

Fig. 9.2 RELATION BETWEEN ACTUAL RAINFALL
AND EFFECTIVE RAINFALL



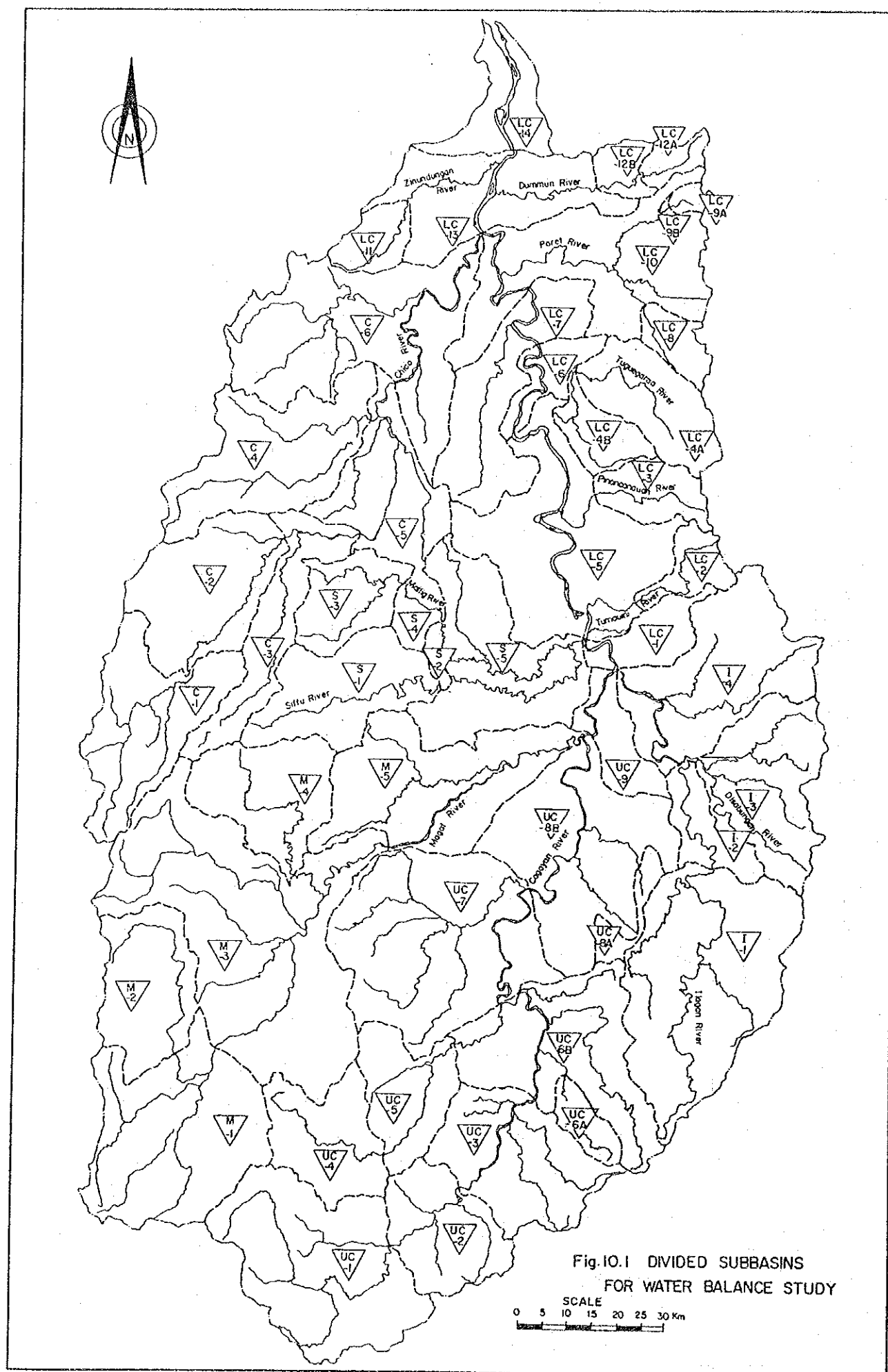


Fig.10.1 DIVIDED SUBBASINS
FOR WATER BALANCE STUDY

SCALE
0 5 10 15 20 25 30 Km

Fig. 10.2 PRESENT CROPPING PATTERN (YR 1985)

	J	F	M	A	M	J	J	A	S	O	N	D
1. Communal Irrigation Systems,	Paddy Δ (a) ha		Paddy Δ (b) ha		Paddy Δ (b) ha		Paddy Δ (b) ha		Paddy Δ (b) ha		Paddy Δ (b) ha	
2. Magat RIS	Paddy 62,488 ha		Paddy 65,900 ha		Paddy 65,900 ha		Paddy 65,900 ha		Paddy 65,900 ha		Paddy 65,900 ha	
3. Siffo RIS	Paddy 8,400 ha		Paddy 9,100 ha		Paddy 9,100 ha		Paddy 9,100 ha		Paddy 9,100 ha		Paddy 9,100 ha	
4. Mallig RIS	Paddy 1,050 ha		Paddy 1,260 ha		Paddy 1,260 ha		Paddy 1,260 ha		Paddy 1,260 ha		Paddy 1,260 ha	
5. Chico RIS	6,970 ha (Chico RIS)		1,150 ha (Chico West)		1,150 ha (Chico West)		1,150 ha (Chico West)		1,150 ha (Chico West)		1,150 ha (Chico West)	
6. Chico West RIS	Paddy		Paddy		Paddy		Paddy		Paddy		Paddy	
7. Tumauin IS	Paddy 1,280 ha		Paddy 1,450 ha		Paddy 1,450 ha		Paddy 1,450 ha		Paddy 1,450 ha		Paddy 1,450 ha	
8. San Pablo-Cabagan IS	Paddy 50 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha	
9. Pinacanauan RIS	Paddy 290 ha		Paddy 290 ha		Paddy 290 ha		Paddy 290 ha		Paddy 290 ha		Paddy 290 ha	
10. Solana - Tuguegarao IS	Paddy 960 ha		Paddy 960 ha		Paddy 960 ha		Paddy 960 ha		Paddy 960 ha		Paddy 960 ha	
11. CIADP (Iguig Area)	Paddy 400 ha		Paddy 410 ha		Paddy 410 ha		Paddy 410 ha		Paddy 410 ha		Paddy 410 ha	

	J	F	M	A	M	J	J	A	S	O	N	D
12. CIADP (Alcala-Amulung Area)	Paddy 1,180 ha		Paddy 1,180 ha		Paddy 1,180 ha		Paddy 1,180 ha		Paddy 1,180 ha		Paddy 1,180 ha	
13. Baggo IS (Pared Area)	Paddy 450 ha		Paddy 450 ha		Paddy 450 ha		Paddy 450 ha		Paddy 450 ha		Paddy 450 ha	
14. Baggo IS (Paranan Area)	Paddy 610 ha		Paddy 610 ha		Paddy 610 ha		Paddy 610 ha		Paddy 610 ha		Paddy 610 ha	
15. Zinundungan RIS	Paddy 1,710 ha		Paddy 1,710 ha		Paddy 1,710 ha		Paddy 1,710 ha		Paddy 1,710 ha		Paddy 1,710 ha	
16. Dummun RIS	Paddy 1,370 ha		Paddy 1,370 ha		Paddy 1,370 ha		Paddy 1,370 ha		Paddy 1,370 ha		Paddy 1,370 ha	
17. CIADP (Lower-Cagagan Area)	Paddy 60 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha		Paddy 60 ha	

See Table 10.1