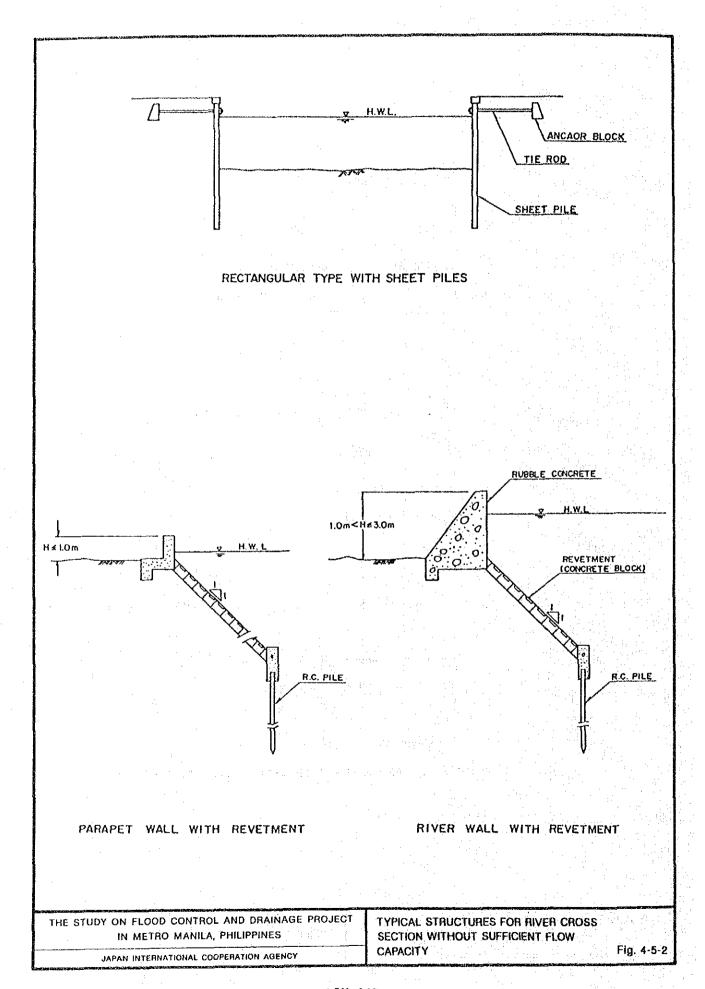


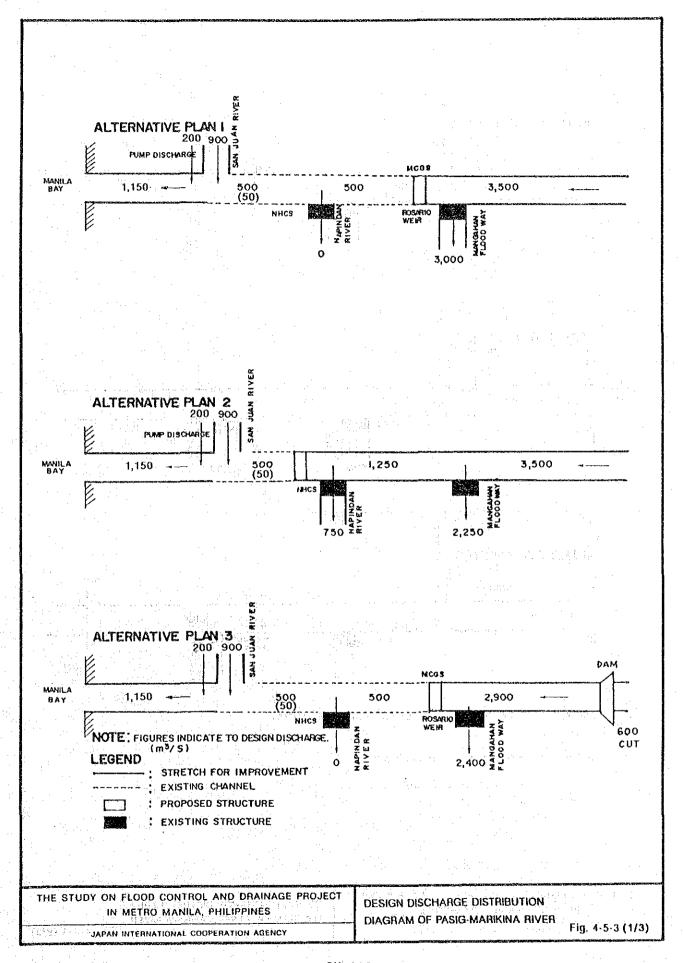
IN METRO MANILA, PHILIPPINES

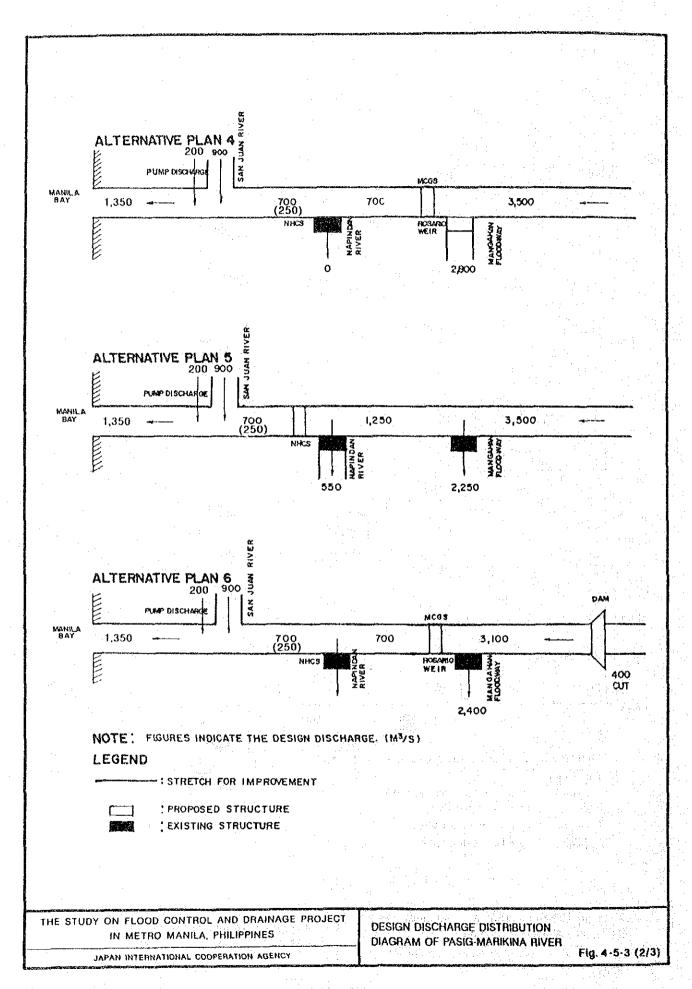
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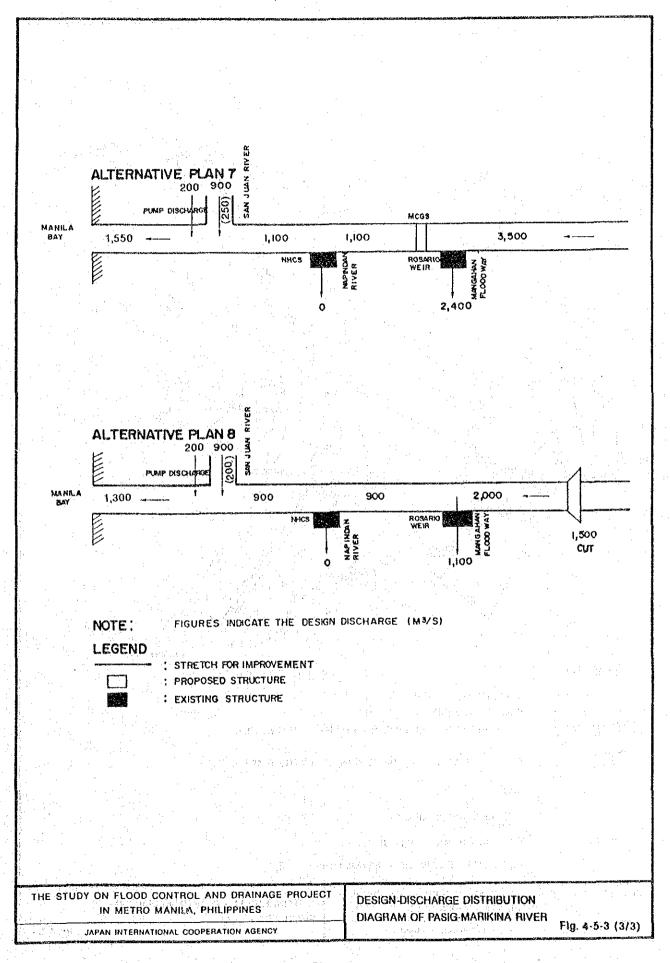
TYPICAL CROSS SECTION OF RIVERS

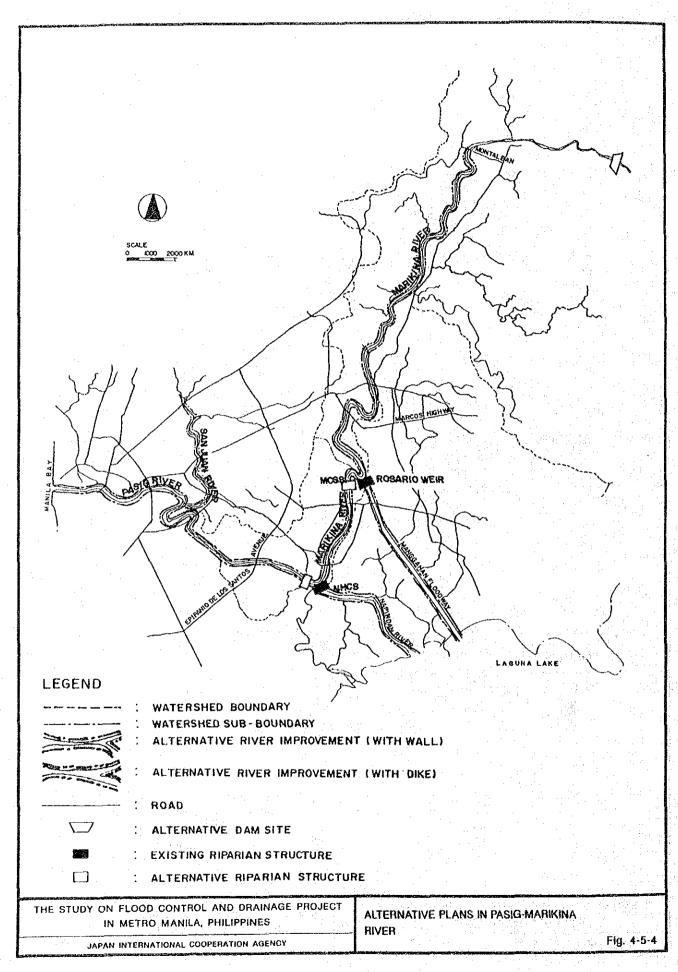
Fig. 4-5-1

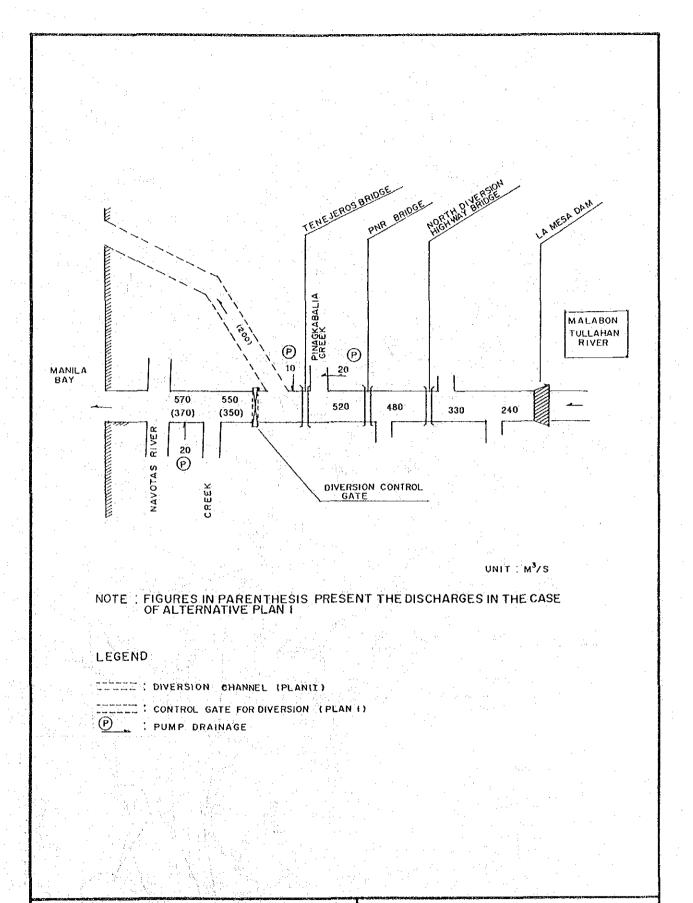










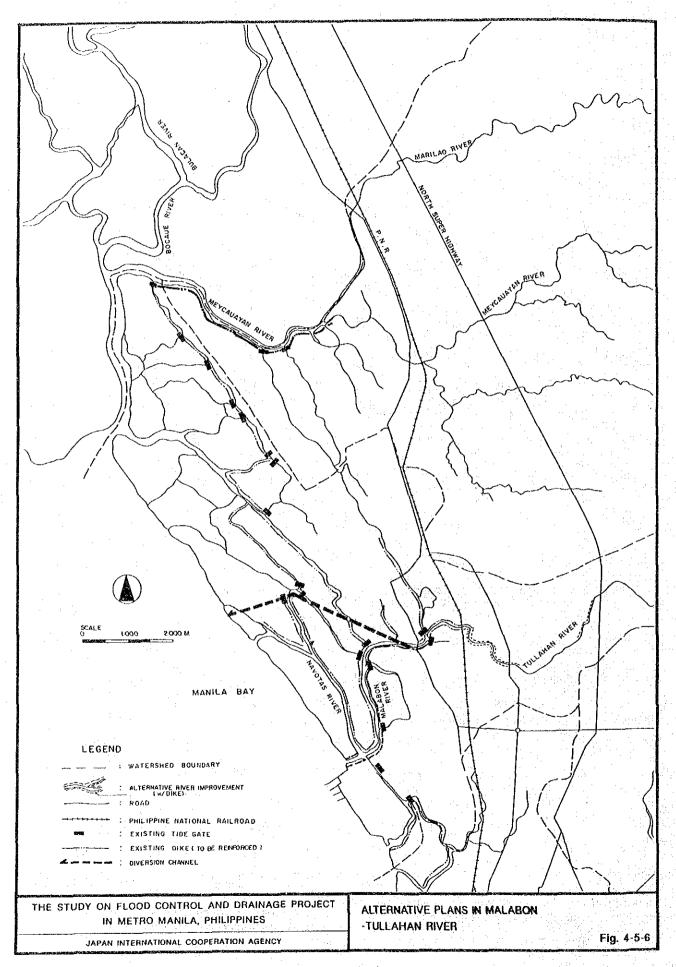


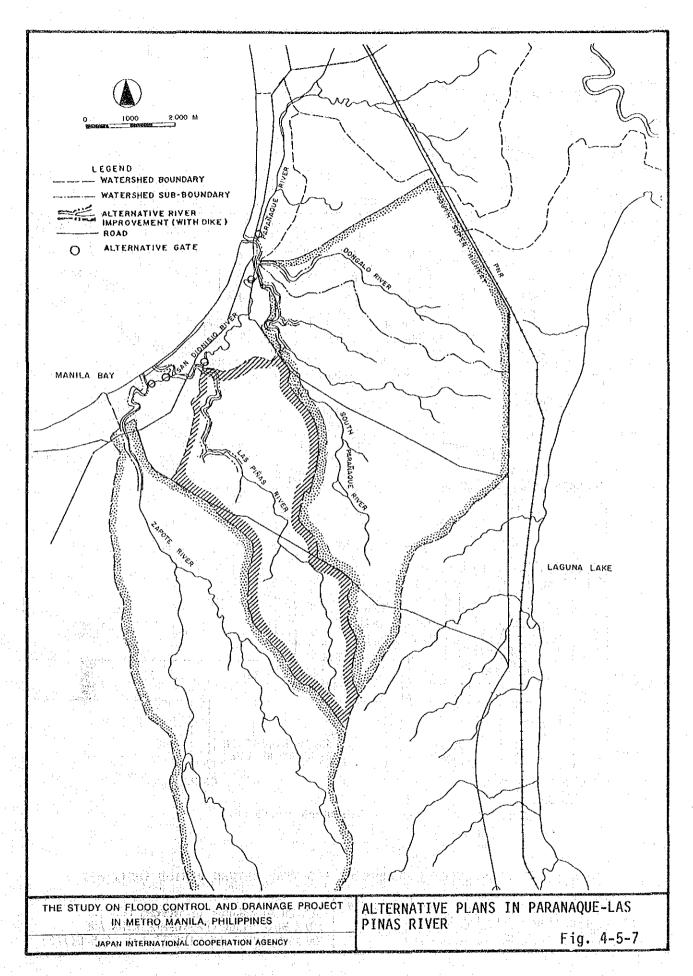
THE STUDY ON FLOOD CONTROL AND DRAINAGE PROJECT IN METRO MANILA, PHILIPPINES

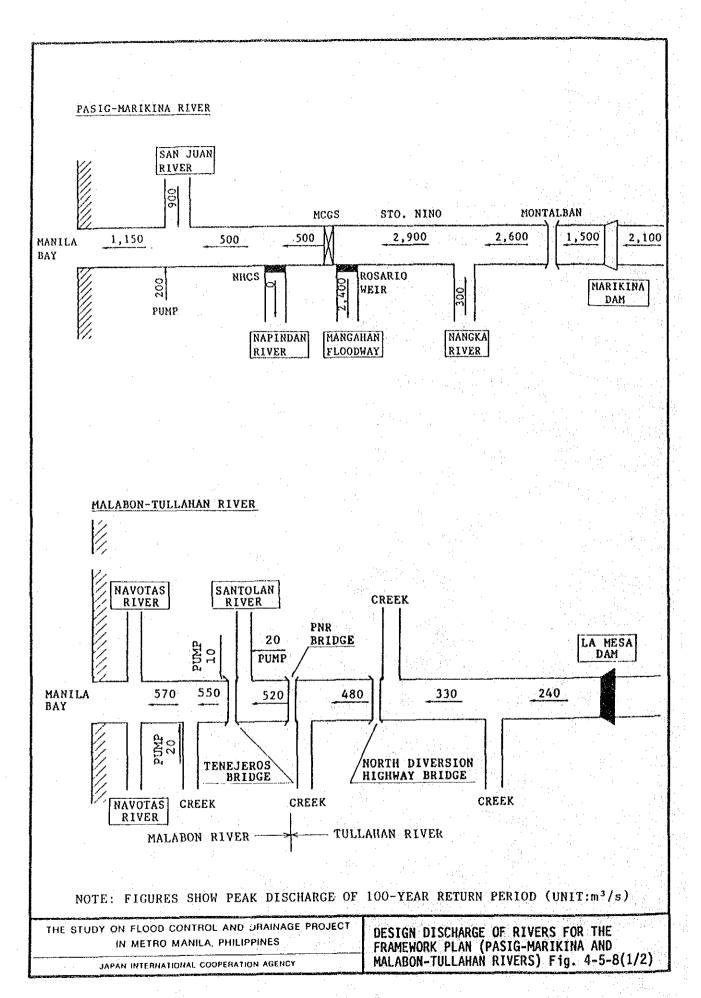
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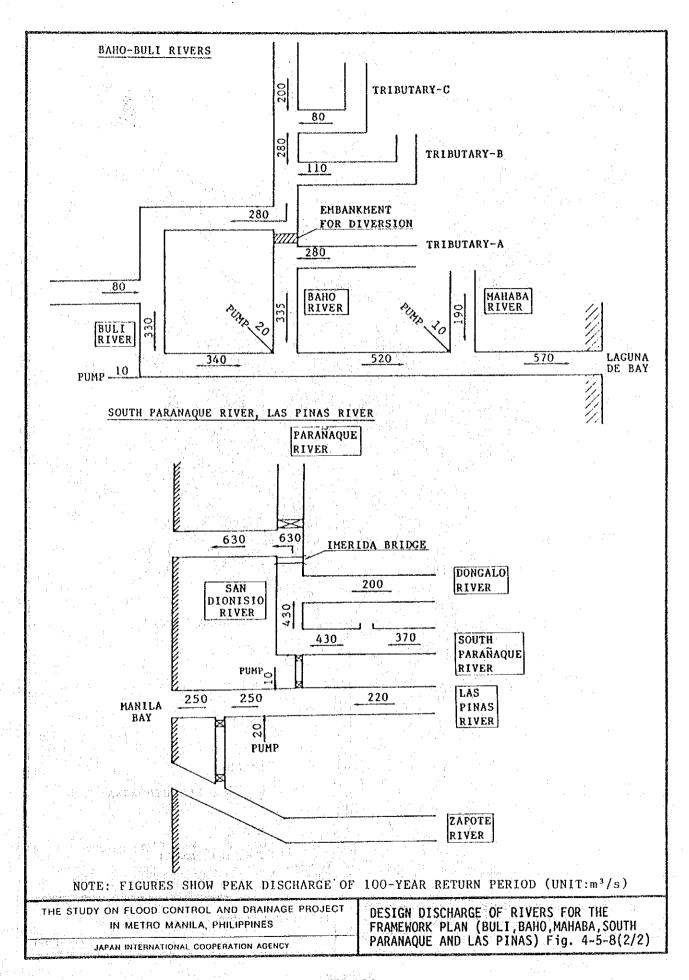
DESIGN DISCHARGE DISTRIBUTION DIAGRAM OF MALABON-TULLAHAN RIVER

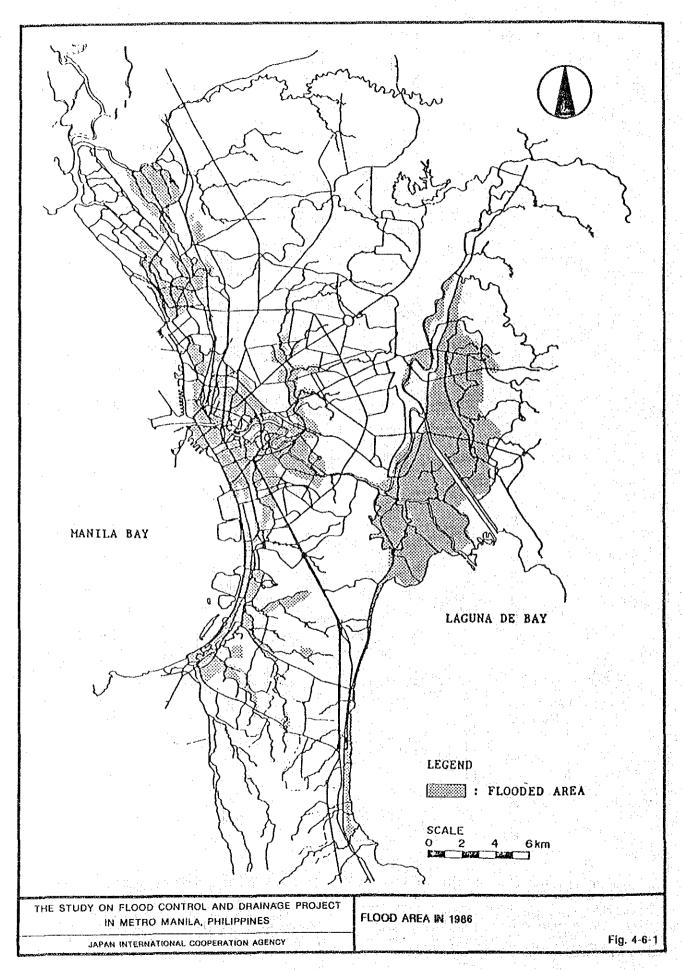
Fig. 4-5-5

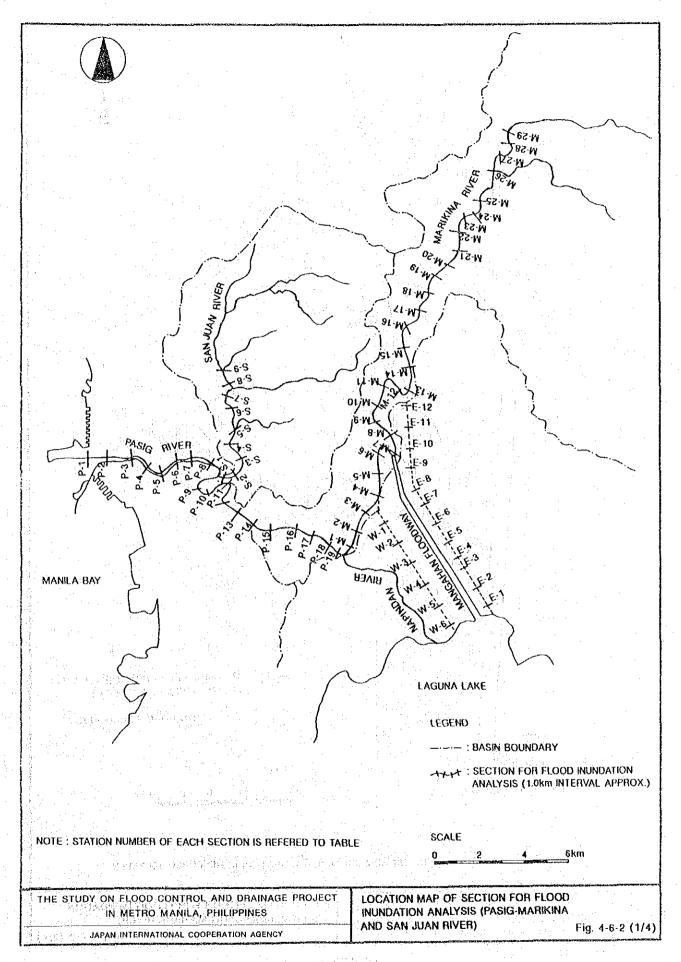


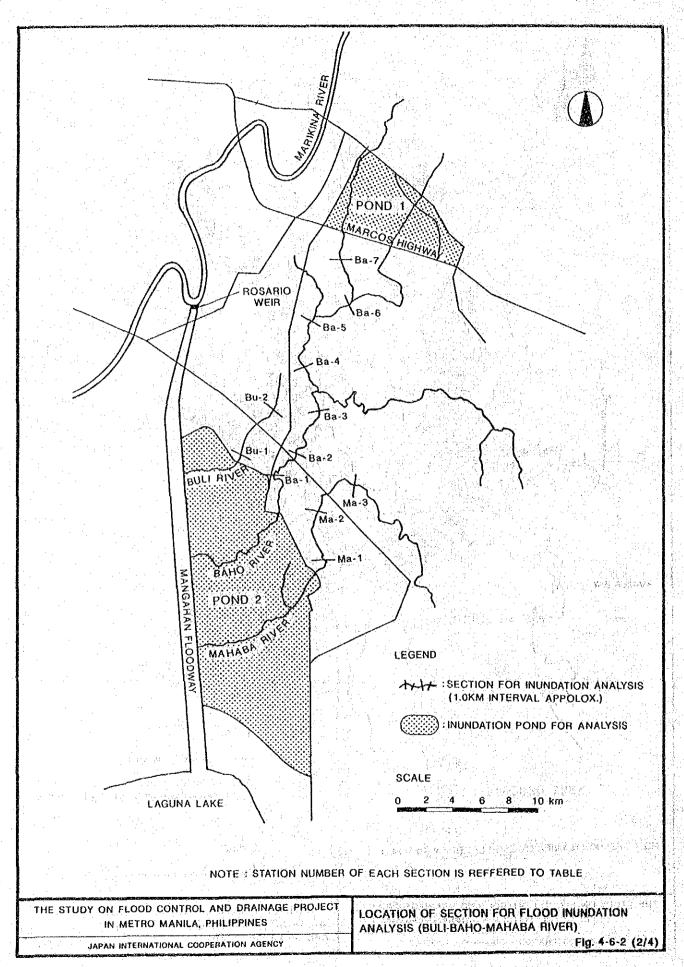


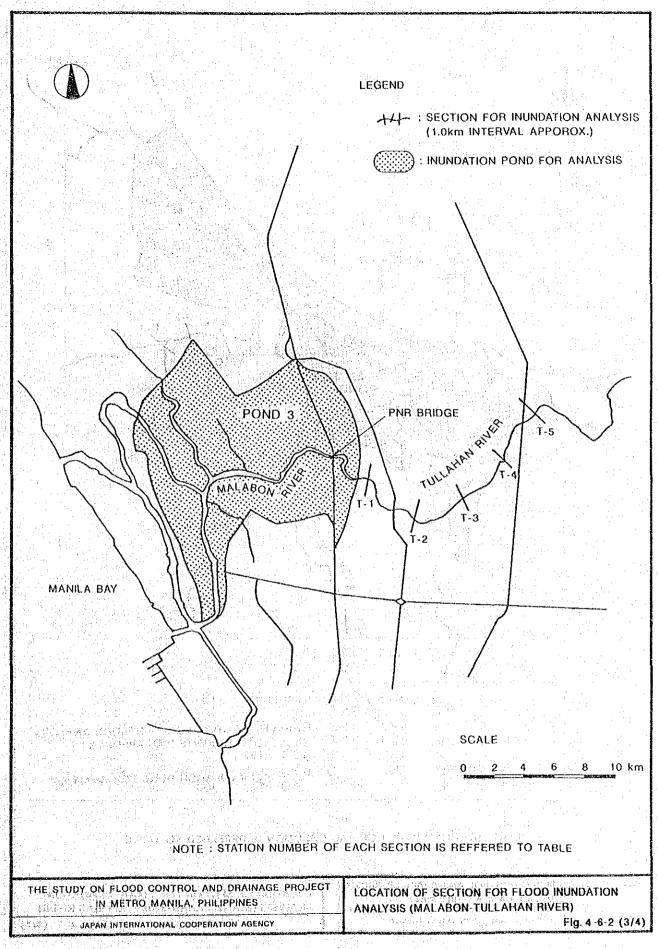


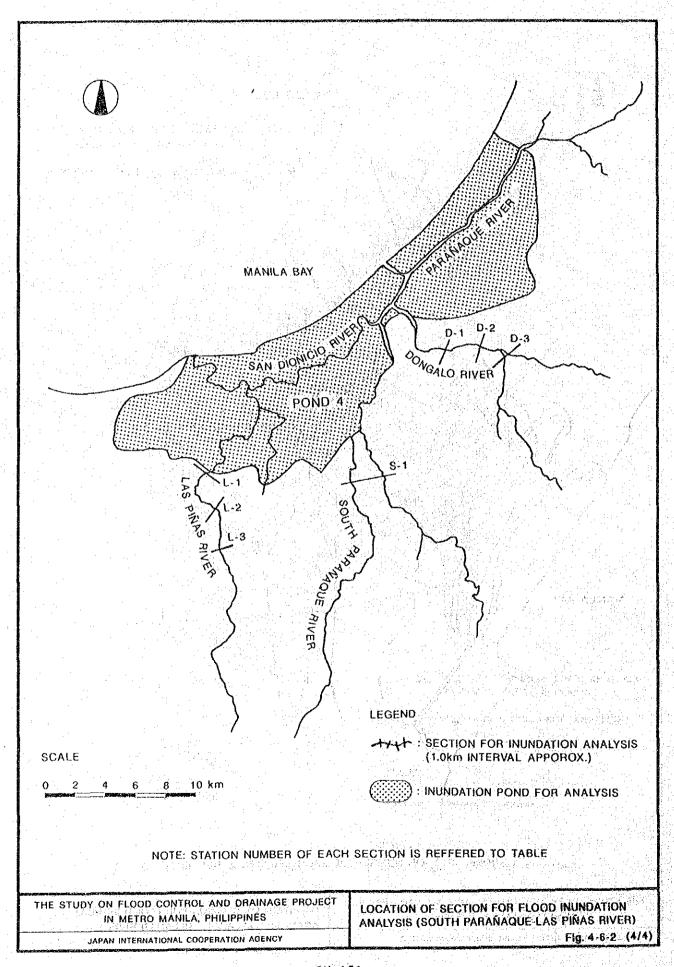


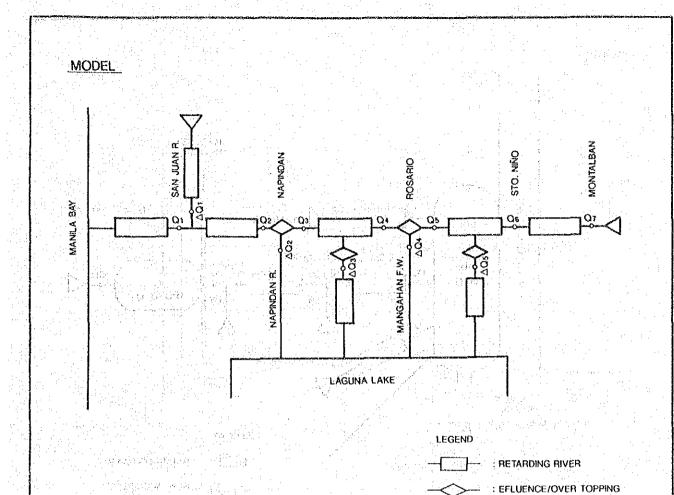












Return Period	01	02	Q3	D) Q4	SCHARGE 05	DISTRI 96	BUTION Q7	(m/s) 01	02	0 3	Q4	Q 5
100-Yr. 50-Yr.	1,280 1,210	880 860	880 860	1,010 960	3,030 2,870	3,500 2,800	3,050 2,800	400 350	0	130 100	2,020 1,910	470 330
30-Yr. 20-Yr.	1,110	830 - 810	830 810	890 860	2,700 2,620	2,900	2,500 2,400	300 300	0	60 50	1,810 1,760	200 180
10-Yr. 5-Yr. 2-Yr.	1,030 920 770	780 670 520	780 670 520	780 670 520	2,400 2,050 1,600	2,400 2,050 1,600	2,100 1,750 1,400	250 250 250	0	0	1,620 1,380 1,080) (

: CATCHMENT BASIN

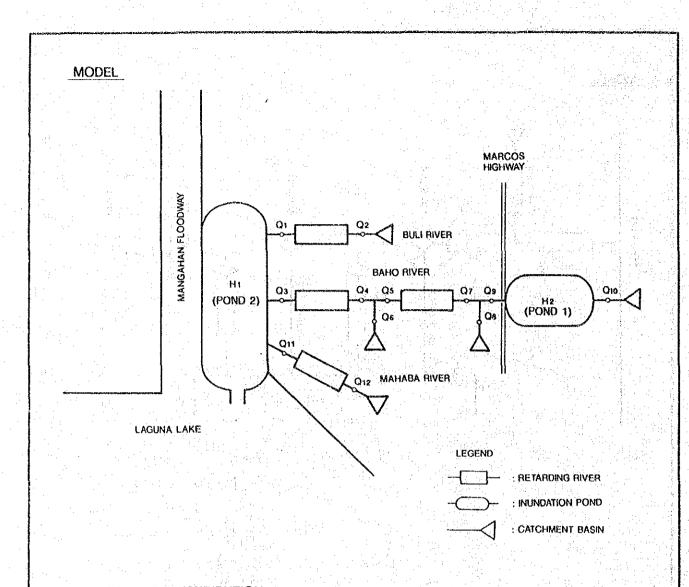
THE STUDY ON FLOOD CONTROL AND DRAINAGE PROJECT
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IN METRO MANILA, PHILIPPINES

DISTRIBUTION (PASIG-MARIKINA RIVER)

Fig. 4-6-3 (1/4)

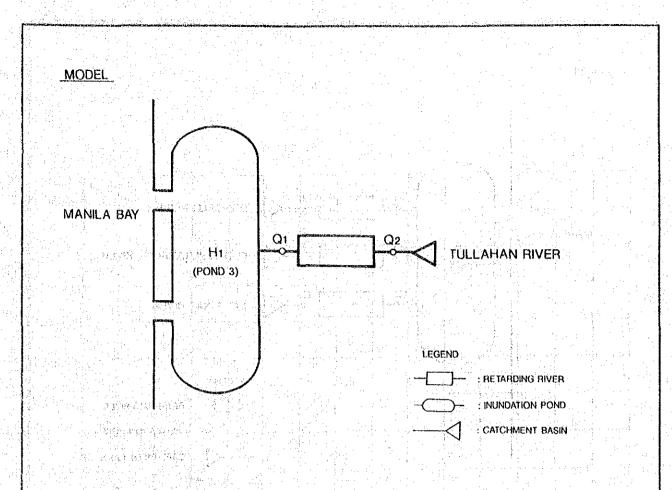


Return Period	01	02	03	DISCHA	RGE 05	DISTRI Q6	BUTION Q7	(m ⁷ /s	s) 09	Q10	Q11	012
100-Yr.	72	116	207	365	97	272	317	109	208	279	. 99	183
50-Yr.	65	104	193	334	90	247	294	98	196	252	91	160
30-Yr.	60	96	181	308	84	227	279	91	189	232	93	. 15
20-Yr.	58	93	177	300	82	220	274	- 88	186	225	90	14
10-Yr.	55	89	168	284	77	208	266	84	183	168	83	13
5-Yr.	50	82	157	259	71	189	254	77	177	196	74	12
2-Ÿr.	43	73	142	226	63	163	240	69	171	175	72	11.

THE STUDY ON FLOOD CONTROL AND DRAINAGE PROJECT
IN METRO MANILA, PHILIPPINES

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NUNDATION MODEL AND DISCHARGE DISTRIBUTION (BAHO-BULL-MAHABA RIVER) Fig. 4-6-3 (2/4)



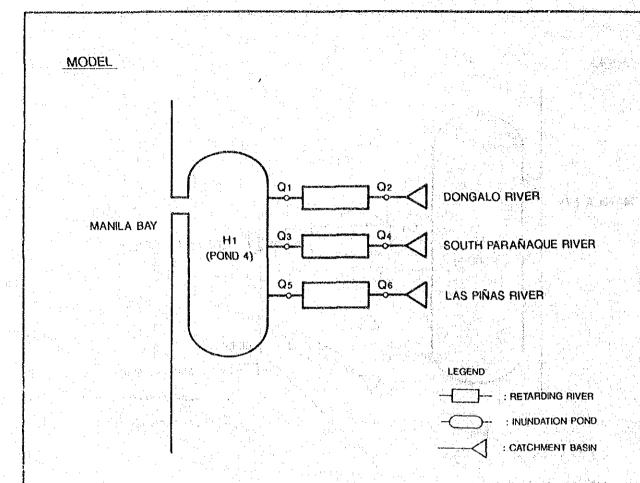
Return	DISCHARGE DISTRIBUTION (m³/s)
Period	Q1 Q2
100-Yr.	383 512
50-Yr.	347 466
30-Yr.	329 445
20-Yr.	305 411
10-Yr.	267
5-Yr.	243 313
2-Yr.	207 242

THE STUDY ON FLOOD CONTROL AND DRAINAGE PROJECT IN METRO MANICA, PHICIPPINES

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INUNDATION MODEL AND DISCHARGE DISTRIBUTION (MALABON-TULLAHAN RIVER)

Fig. 4-6-3 (3/4)



Return Period	Q1	DISCHAR Q2	GE DIS Q3	TRIBUTI Q4	ON (m²/s) Q5 Q6
100-Yr.	132	198	251	424	147 212
50-Yr.	120	176	230	378	137 192
30-Yr.	113	163	216	349	130 178
20-Yr.	107	153	206	328	124 168
10-Yr.	97	137	188	293	114 151
5-Yr.	86	118	167	255	102 131
2-Yr.	73	: : 99	144	214	89 110

THE STUDY ON FLOOD CONTROL AND DRAINAGE PROJECT IN METRO MANILA, PHILIPPINES

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INUNDATION MODEL AND DISCHARGE DISTRIBUTION
(SOUTH PARAMAQUE-LAS PIÑAS RIVER)
FIG. 4-6-3 (4/4)

