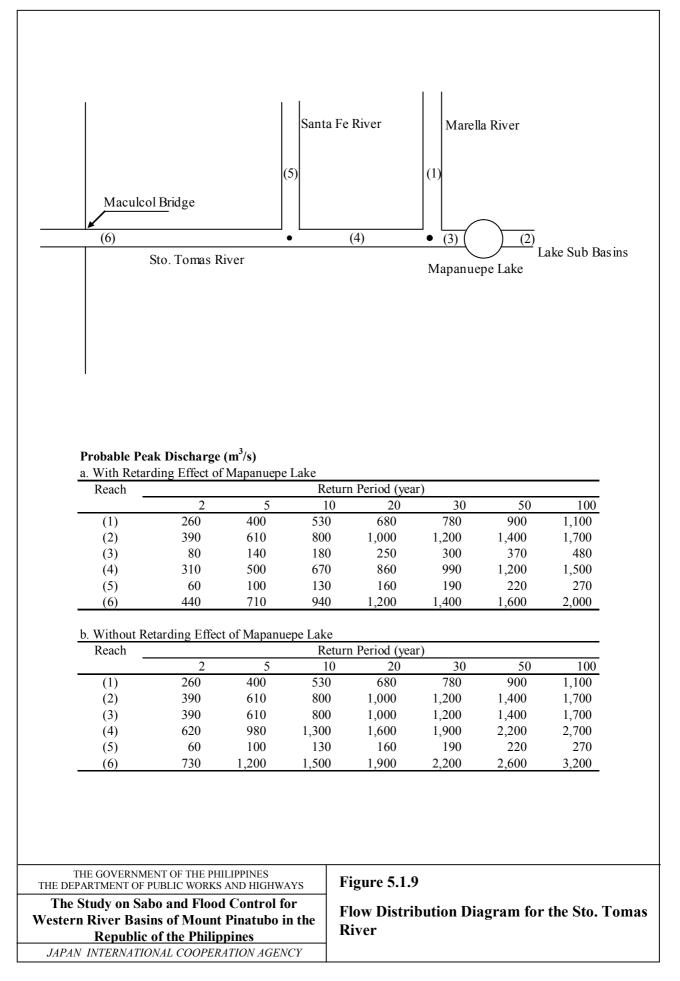
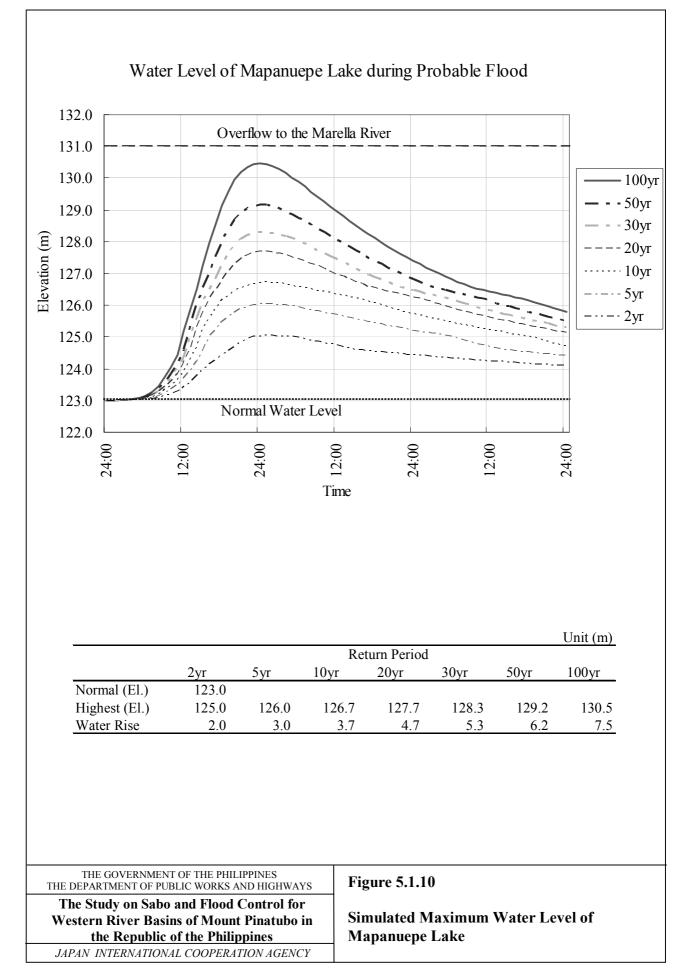
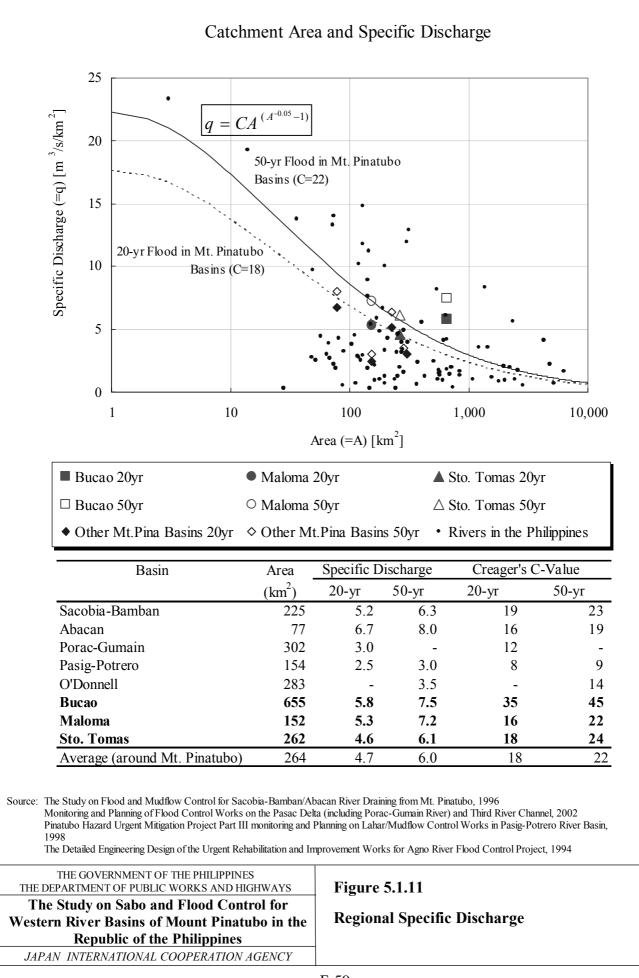


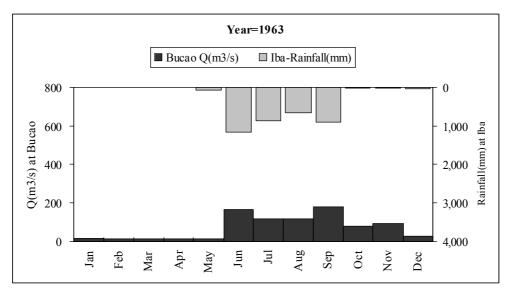
	I							
	Maloma	Bridge						
	(3)		•	(1)	Ma	loma River		
				(-)				
				(2)	Goi	rongoron Ri	ver	
		L		(-)				
	Probable Pea	k Discharge	(m ³ /s)					
	Probable Pea Reach —				n Period (year		50	100
	Reach —	2 220	5 350	10 450	20 570	30 650	50 770	<u>100</u> 940
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220	5 350	10 450	20 570	30 650	770	940
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach —	2 220 60	5 350 100	10 450 130	20 570 160	30 650 190	770 220	940 270
	Reach (1) (2) (3) THE GOVERNME	2 220 60 310	5 350 100 490	10 450 130 640	20 570 160 810	30 650 190 920	770 220	940 270
THE DI	Reach -	2 220 60 310	5 350 100 490 LIPPINES AND HIGHWA	10 450 130 640 XYS F	20 570 160	30 650 190 920	770 220	940 270

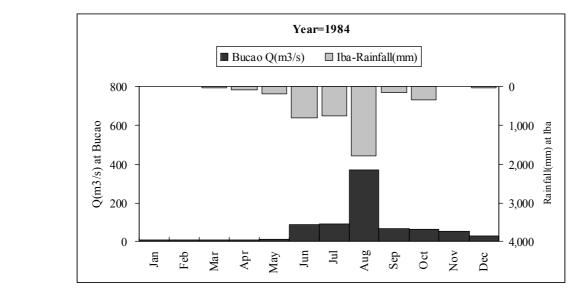






	196	53	1984		
Month	Rainfall(Iba)	Discharge	Rainfall(Iba)	Discharge	
	(mm)	(m3/s)	(mm)	(m3/s)	
Jan	0.0	15.2	0.0	9.3	
Feb	1.1	13.4	0.0	9.1	
Mar	0.0	12.4	16.7	9.1	
Apr	1.5	11.3	75.7	9.0	
May	69.3	13.5	195.1	11.0	
Jun	1,166.0	167.7	801.8	86.2	
Jul	880.3	118.4	738.4	91.2	
Aug	673.2	116.8	1,787.6	369.4	
Sep	891.0	180.7	135.0	67.1	
Oct	30.6	77.3	326.5	62.0	
Nov	20.3	93.3	10.0	53.8	
Dec	50.8	23.6	20.4	28.1	
Total	3,784.1		4,107.2		
Average		70.3		67.6	

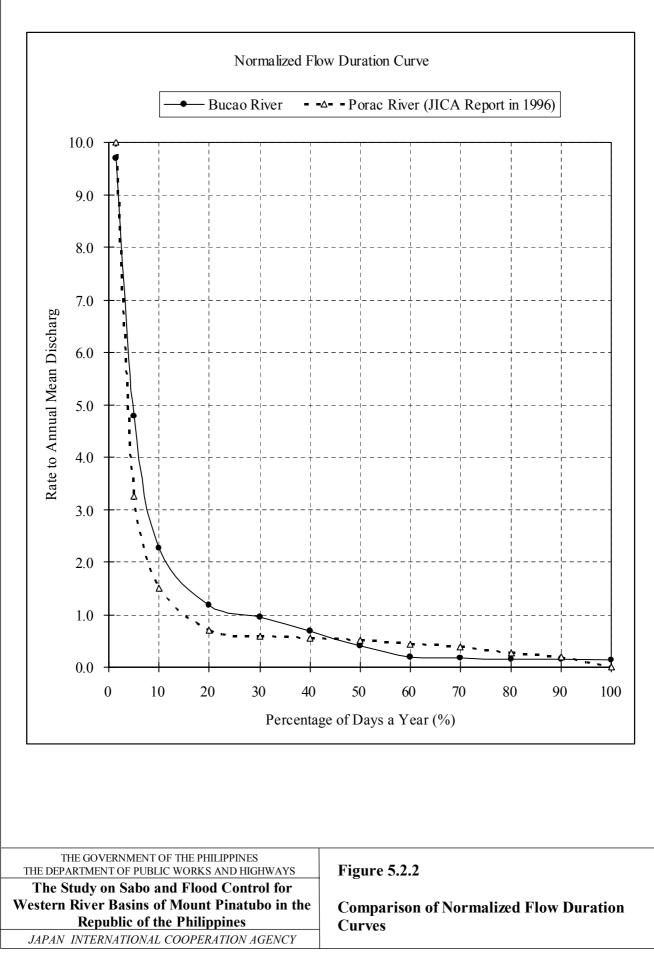




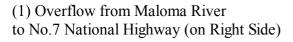
THE GOVERNMENT OF THE PHILIPPINES THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS				
The Study on Sabo and Flood Control for Western River Basins of Mount Pinatubo in the				
Republic of the Philippines				
JAPAN INTERNATIONAL COOPERATION AGENCY				

Figure 5.2.1

Monthly Rainfall and Discharge in the Bucao River in 1963 and 1984









(2) Maculcol Bridge on July 8, 2002



(3) Lahar at the Bucao Bridge (2 Hours after Peak of Lahar Flow)

(4) Erosion of Dike at the Bucao Bridge on July 13, 2002 (Right Bank)

THE GOVERNMENT OF THE PHILIPPINES THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	Figure 5.3.1
The Study on Sabo and Flood Control for	
Western River Basins of Mount Pinatubo in the	Pictures during Flood in July 2002
Republic of the Philippines	
JAPAN INTERNATIONAL COOPERATION AGENCY	