

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system	Agos		Name of stream:		Kaliwa		Drainage area (Km <sup>2</sup> ):		326		Year		1947	
	July		Aug		Sept		Oct		Nov		Dec			
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q		
1		4.2		7.5		56.6		10.3		192.8		56.6		1
2		4.7		7.5		35.6		9.6		100.8		35.6		2
3		4.0		5.5		34.3		8.0		45.0		32.1		3
4		3.8		4.2		32.3		21.0		34.3		31.7		4
5		3.4		5.3		35.6		63.0		39.0		32.3		5
6		2.6		10.6		36.9		58.4		33.6		31.0		6
7		3.8		12.8		30.5		53.0		33.6		28.9		7
8		4.7		10.6		30.5		38.3		151.0		28.3		8
9		4.2		21.5		28.8		24.5		88.0		27.7		9
10		4.2		105.4		22.5		21.5		53.0		28.8		10
11		3.1		400.0		20.5		7.8		42.8		27.7		11
12		3.1		69.0		17.8		16.9		30.5		26.6		12
13		3.1		49.0		16.5		12.8		30.5		28.3		13
14		4.0		60.2		14.5		13.2		186.4		27.2		14
15		13.6		52.2		13.6		12.8		364.8		35.6		15
16		27.2		35.6		12.8		11.7		460.0		32.3		16
17		32.1		27.8		9.9		10.6		1,095.0		27.7		17
18		49.8		36.2		8.5		11.0		188.0		27.7		18
19		27.7		38.3		8.5		21.0		69.0		26.6		19
20		21.5		31.7		12.0		37.5		54.8		31.0		20
21		13.7		38.3		11.0		33.6		46.6		32.3		21
22		13.6		36.2		10.6		34.3		44.3		36.9		22
23		11.3		40.5		37.5		33.0		38.3		36.9		23
24		12.0		39.0		43.5		15.2		32.3		31.7		24
25		9.9		29.9		25.5		12.8		30.5		73.0		25
26		8.9		27.2		21.0		16.0		24.5		927.0		26
27		9.9		39.8		16.0		15.6		32.3		266.0		27
28		8.9		288.6		14.0		14.8		39.0		151.0		28
29		3.0		60.0		12.4		11.0		31.7		105.4		29
30		8.3		58.4		10.6		18.3		29.4		68.0		30
31		12.0		36.9				835.0						31
MAX		49.8		400.0		56.6		835.0		1,095.0		927.0		MAX
MIN		2.6		4.2		8.5		8.0		30.5		26.6		MIN
TOTAL		335.8		1685.2		680.3		1512.1		3,641.4		2,351.3		TOTAL
DAYS														DAYS
MEAN		10.8		54.4		22.7		48.8		117.5		75.8		MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec

N. K. Form No. 1202

Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system.	Agos		Name of stream :		Kaliwa		Drainage area (Km <sup>2</sup> ):		326		Year 1948		
	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		39.8		35.6		3.4		3.1		1.8		5.9	1
2		3.9		25.5		3.4		2.6		1.8		7.2	2
3		29.9		8.2		3.4		2.1		1.8		14.0	3
4		26.6		8.2		3.2		2.6		1.7		11.3	4
5		22.0		9.6		4.6		1.9		2.0		6.4	5
6		18.3		9.2		4.4		1.8		2.0		7.2	6
7		17.4		8.5		4.4		1.9		1.9		4.6	7
8		16.0		7.7		4.0		1.9		1.7		3.7	8
9		13.6		6.9		3.7		1.8		1.7		3.8	9
10		12.4		6.4		3.5		1.8		1.7		19.6	10
11		10.6		6.9		3.2		1.7		1.6		27.5	11
12		9.9		6.4		3.2		1.7		1.5		15.2	12
13		8.5		8.3		3.1		1.7		1.4		8.0	13
14		10.6		6.9		3.1		1.8		1.4		11.0	14
15		9.9		6.4		2.8		2.5		1.3		16.9	15
16		9.2		6.2		2.8		2.5		1.3		9.9	16
17		9.5		5.9		2.6		1.9		1.2		4.0	17
18		9.9		5.5		2.6		2.1		1.3		3.8	18
19		8.9		5.3		2.5		2.6		1.7		3.8	19
20		8.2		5.1		2.5		2.8		1.9		3.8	20
21		7.7		4.9		2.3		2.9		1.6		9.2	21
22		7.5		4.6		2.3		2.8		3.7		19.6	22
23		6.9		4.4		2.3		2.0		16.9		13.2	23
24		6.4		4.2		2.1		3.1		10.6		12.8	24
25		6.2		3.8		2.1		2.9		5.5		6.4	25
26		6.9		3.8		2.1		4.9		3.1		4.9	26
27		7.2		3.7		2.1		3.5		2.5		3.4	27
28		9.2		3.5		2.0		2.3		2.2		3.7	28
29		8.2		3.4		7.9		2.0		2.0		4.6	29
30		11.3				2.0		1.8		2.0		3.8	30
31		30.5				3.7				3.2			31
MAX		39.8		35.6		4.6		4.9		16.9		21.5	MAX
MIN		3.9		3.8		1.9		1.7		1.2		3.7	MIN
TOTAL		403.0		224.9		96.6		72.3		84.9		269.1	TOTAL
DAYS													DAYS
MEAN		13.0		7.8		2.9		2.4		2.7		9.0	MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system Agos Name of stream Kaliwa Drainage area (Km<sup>2</sup>): 326 Year 1948

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		4.8		62.0		1658.0		34.9		5.3		295.2	1
2		12.8		36.2		739.0		29.9		4.4		122.8	2
3		15.2		26.6		364.0		24.5		8.4		70.0	3
4		7.7		31.0		115.0		22.0		17.8		50.6	4
5		45.0		25.0		142.0		39.8		12.8		32.3	5
6		29.9		21.5		80.0		48.2		13.6		32.3	6
7		13.6		12.0		66.0		35.6		7.7		25.5	7
8		21.5		6.4		53.9		45.0		6.9		23.5	8
9		12.8		35.6		43.5		24.5		6.4		24.0	9
10		12.0		60.1		38.3		46.6		6.2		26.6	10
11		6.9		47.4		31.7		19.0		5.9		22.5	11
12		8.0		22.5		26.1		4.6		5.9		17.8	12
13		18.7		16.9		29.4		6.7		28.8		17.4	13
14		26.6		18.3		31.7		31.0		49.8		18.3	14
15		9.6		26.6		33.6		13.2		5.1		110.2	15
16		12.0		87.0		56.6		11.0		11.7		184.8	16
17		5.1		184.8		80.0		5.1		15.2		80.0	17
18		16.9		120.2		82.0		5.1		6.4		56.6	18
19		11.0		169.0		65.0		35.6		6.9		50.6	19
20		6.1		121.5		52.2		7.2		6.4		43.5	20
21		17.4		139.2		39.0		23.0		10.6		39.8	21
22		16.9		92.0		33.6		5.9		15.2		39.0	22
23		43.5		96.4		29.9		57.5		12.4		39.8	23
24		53.9		368.8		26.6		65.0		11.7		39.8	24
25		443.0		278.0		422.4		53.9		11.7		36.9	25
26		180.0		145.0		94.2		40.0		19.6		27.2	26
27		85.0		116.3		92.0		30.0		57.5		23.0	27
28		96.4		36.0		59.3		20.0		62.0		25.0	28
29		49.0		52.2		52.2		15.0		97.5		20.1	29
30		31.0		43.5		44.3		10.0		416.8		22.0	30
31		40.5		55.7				8.0				18.3	31
MAX		443.0		368.0		1,688.0		45.0		416.8		295.2	MAX
MIN		4.0		6.4		26.1		4.6		4.4		17.4	MIN
TOTAL		1,532.7		2,553.6		4,681.2		818.2		944.0		1,635.0	TOTAL
DAYS													DAYS
MEAN		43.6		82.4		156.0		26.4		31.5		52.7	MEAN

H : Gauge height in        m , Q : Discharge in        m<sup>3</sup>/sec  
 Zero point of water gauge : El.       

N. K. Form No. 1202

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system: \_\_\_\_\_ Agos \_\_\_\_\_ Name of stream: \_\_\_\_\_ Kaliwa \_\_\_\_\_ Drainage area (Km<sup>2</sup>): \_\_\_\_\_ 326 \_\_\_\_\_ Year 1949

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		14.4				5.5		3.5		2.0		5.7	1
2		12.0				5.5		3.5		2.0		6.0	2
3		14.4				6.4		3.5		2.0		5.5	3
4		13.6				5.5		3.5		2.0		6.0	4
5		12.4				6.2		3.2		1.9		5.9	5
6		11.7				6.4		3.2		3.2		5.9	6
7		10.3				7.9		3.5		2.5		5.9	7
8		10.3				6.9		3.4		2.2		5.8	8
9		42.0		27.8		6.2		3.2		2.3		5.7	9
10		13.6		19.2		5.7		3.1		2.1		5.6	10
11		8.5		12.5		5.5		3.2		2.0		5.3	11
12		8.2		6.9		5.5		3.4		1.9		5.3	12
13		14.0		6.7		5.5		3.4		2.0		5.5	13
14		27.2		6.7		5.3		3.5		1.8		6.0	14
15		9.9		8.2		5.3		3.2		1.8		5.6	15
16		21.0		11.7		5.3		2.8		1.8		5.9	16
17		22.5		9.9		4.9		2.8		1.9		5.8	17
18		26.6		10.4		4.6		2.6		1.8		5.4	18
19		22.1		8.5		5.7		2.6		1.9		5.4	19
20		16.5		8.0		5.5		2.6		1.8		5.7	20
21		11.9		7.5		5.5		2.6		1.7		8.1	21
22		* 17.0		6.9		5.3		2.6		1.7		6.8	22
23		17.5		5.9		4.2		1.7		1.7		6.3	23
24		13.2		6.4		3.8		1.7		1.7		5.9	24
25		10.7		6.2		4.0		1.7		1.7		5.6	25
26		8.7		5.9		3.8		1.6		1.7		5.4	26
27				5.7		3.8		* 1.6		1.8		5.6	27
28				5.5		3.7		1.6		1.7		5.5	28
29						3.7		1.6		1.7		5.4	29
30						3.5		1.6		1.6		5.3	30
31						3.5				1.6			31
MAX		42.0		27.8		8.0		3.5		3.2		8.1	MAX
MIN		8.2		5.5		3.5		1.6		1.6		5.3	MIN
TOTAL		410.1		187.5		159.7		81.5		59.2		173.6	TOTAL
DAYS													DAYS
MEAN		15.8		9.4		5.2		2.7		1.9		5.8	MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec ,  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system	Agos		Name of stream:		Kaliwa		Drainage area (Km <sup>2</sup> ):		326		Year 1949		
	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		11.4		13.1		7.2		7.7		50.7		55.7	1
2		11.6		12.7		6.9		7.7		46.6		49.3	2
3		11.4		13.8		11.2		54.8		76.3		41.8	3
4		11.4		12.7		21.1		30.8		60.0		34.4	4
5		11.7		13.5		22.0		21.1		126.4		42.6	5
6		11.6		14.1		13.6		18.0		75.3		232.0	6
7		11.7		13.8		11.4		11.3		89.4		222.3	7
8		33.4		13.6		10.8		10.0		66.8		193.0	8
9		19.7		13.4		10.5		9.1		45.6		176.3	9
10		14.9		13.1		10.1		8.7		31.5		110.8	10
11		13.3		13.1		10.4		8.7		32.0		77.9	11
12		13.0		12.9		11.2		13.8		74.6		85.5	12
13		15.2		18.0		16.4		43.5		63.0		79.1	13
14		13.0		15.1		12.1		39.9		41.9		47.0	14
15		15.1		15.3		10.7		21.1		27.1		43.3	15
16		13.0		14.9		14.8		19.9		27.9		39.1	16
17		14.4		14.2		17.4		17.4		21.0		37.0	17
18		12.7		13.9		15.4		14.5		20.6		43.3	18
19		14.6		13.6		12.1		12.3		21.4		41.8	19
20		12.7		16.7		13.8		11.1		20.4		53.3	20
21		13.0		13.9		17.0		10.5		19.9		45.5	21
22		13.7		13.2		12.1		10.0		18.5		39.8	22
23		13.5		14.5		13.0		12.3		15.2		41.1	23
24		16.7		15.9		11.0		16.2		31.1		47.8	24
25		16.4		13.9		10.0		12.5		27.1		42.6	25
26		14.6		24.7		9.5		11.5		26.2		37.7	26
27		13.5		18.1		9.1		11.5		22.6		85.5	27
28		13.0		17.0		9.0		21.9		23.7		232.6	28
29		12.8		15.1		8.9		19.9		62.3		209.9	29
30		12.5		15.1		8.9		36.9		51.3		167.4	30
31		12.2		14.9				49.9				106.5	31
<b>MAX</b>		33.4		24.8		22.0		54.8		126.4		232.6	<b>MAX</b>
<b>MIN</b>		11.4		12.7		6.9		7.6		15.2		34.4	<b>MIN</b>
<b>TOTAL</b>		437.9		453.9		367.3		594.4		1,316.4		2,756.9	<b>TOTAL</b>
<b>DAYS</b>													<b>DAYS</b>
<b>MEAN</b>		14.1		14.6		12.2		19.2		43.9		88.9	<b>MEAN</b>

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec  
 Zero point of water gauge : El. \_\_\_\_\_

N. K. Form No. 1202

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system: Agos Name of stream: Kaliwa Drainage area (Km<sup>2</sup>): 326 Year: 1950

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		22.7		15.8		4.0		2.7		3.0		6.9	1
2		12.8		11.7		3.5		2.9		2.2		6.2	2
3		11.3		10.6		3.0		2.7		2.1		6.0	3
4		9.8		18.8		2.3		2.8		1.9		6.0	4
5		9.1		17.7		2.1		2.7		1.8		5.7	5
6		8.1		30.6		2.0		2.4		1.7		5.7	6
7		46.0		28.5		1.8		2.3		2.2		6.0	7
8		53.8		20.1		1.8		2.4		3.1		5.9	8
9		40.4		16.3		1.7		3.0		2.7		5.8	9
10		22.1		12.1		1.5		2.5		2.5		5.9	10
11		46.4		11.1		1.5		2.3		2.3		5.7	11
12		29.4		9.5		1.6		2.2		2.0		6.6	12
13		22.7		8.3		2.8		2.1		2.2		6.0	13
14		17.8		6.7		2.2		8.1		2.0		6.2	14
15		13.4		6.3		3.7		5.6		2.2		5.9	15
16		13.9		5.8		4.4		7.6		2.0		6.2	16
17		13.0		5.5		16.7		4.5		2.1		6.0	17
18		10.3		7.4		22.4		3.2		2.1		5.7	18
19		8.7		8.6		12.7		2.8		1.9		5.8	19
20		7.6		19.8		7.8		2.6		1.8		7.2	20
21		8.4		8.5		10.9		2.5		1.9		6.8	21
22		8.9		6.6		7.7		2.4		2.4		8.7	22
23		9.4		5.9		5.2		2.3		2.2		7.2	23
24		14.6		5.5		4.4		3.5		2.0		6.5	24
25		23.6		5.2		3.8		2.9		1.9		6.2	25
26		24.4		4.9		3.5		2.8		1.8		6.4	26
27		25.6		5.7		2.6		2.5		2.0		6.3	27
28		26.2		11.1		2.1		3.4		1.8		6.1	28
29		18.0				1.9		2.4		1.8		5.9	29
30		15.8				1.8		2.3		1.9		6.4	30
31		12.3				1.7				1.8			31
MAX		53.8		30.6		22.4		8.1		3.1		8.7	MAX
MIN		7.6		4.9		1.5		2.1		1.7		5.7	MIN
TOTAL		606.2		324.7		145.1		93.3		64.3		188.1	TOTAL
DAYS													DAYS
MEAN		19.6		11.6		4.7		3.1		2.1		6.3	MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.

# WATER LEVEL AND DISCHARGE

STATION Daraitan, Tanay, Rizal

River system: \_\_\_\_\_ Agos \_\_\_\_\_ Name of stream: \_\_\_\_\_ Kaliwa \_\_\_\_\_ Drainage area (Km<sup>2</sup>): 326 Year 1950

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1		12.9		24.4		11.2		17.7		28.4		17.2	1
2		12.7		51.6		9.7		78.7		46.1		17.2	2
3		15.0		56.4		8.9		66.0		31.5		20.9	3
4		13.2		32.4		8.7		38.1		27.9		36.3	4
5		12.9		38.8		13.2		26.2		22.9		37.0	5
6		13.9		65.2		11.4		19.2		31.5		37.7	6
7		12.6		49.7		11.0		15.9		21.4		31.5	7
8		12.3		47.5		9.2		13.4		16.6		23.7	8
9		12.2		66.3		11.7		12.0		14.6		20.5	9
10		12.6		79.7		11.4		10.9		12.3		50.1	10
11		15.1		53.5		8.9		17.1		10.8		107.6	11
12		14.9		39.5		8.5		19.6		10.0		64.2	12
13		16.3		47.0		8.9		14.3		9.6		45.5	13
14		14.0		30.8		8.5		12.3		11.0		38.4	14
15		13.9		25.9		9.7		14.1		11.2		32.1	15
16		17.2		22.4		11.5		18.0		29.7		39.1	16
17		36.4		21.7		31.8		24.9		96.5		42.6	17
18		28.9		19.3		24.7		34.1		123.5		33.8	18
19		22.4		18.2		24.2		72.1		55.8		36.3	19
20		18.3		18.2		19.0		50.7		44.0		30.4	20
21		20.6		18.5		15.6		34.7		121.6		24.6	21
22		17.0		17.4		13.3		89.3		86.5		21.3	22
23		18.8		17.0		12.2		204.7		45.0		24.6	23
24		85.4		16.4		14.3		153.8		31.1		27.2	24
25		67.6		16.1		11.7		129.8		23.3		75.0	25
26		56.0		16.1		10.5		88.9		18.2		63.3	26
27		41.1		15.3		9.8		51.4		14.9		58.1	27
28		29.4		14.7		13.2		54.1		13.2		52.5	28
29		22.8		14.5		19.7		45.5		12.5		44.8	29
30		20.0		14.5		18.6		34.7		10.8		363.5	30
31		18.3		14.5				30.7				426.4	31
MAX		65.4		72.7		31.8		204.7		121.6		426.3	MAX
MIN		12.2		14.5		8.5		10.9		9.6		17.2	MIN
TOTAL		724.0		1,003.5		400.7		1,492.4		1,032.4		1,942.2	TOTAL
DAYS													DAYS
MEAN		23.4		32.4		13.4		48.1		34.4		62.7	MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec  
 Zero point of water gauge : El. \_\_\_\_\_

N. K. Form No. 1202



# WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system: AGOS      Name of stream: AGOS      Drainage area (Km<sup>2</sup>): 869      Year 1978

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17											0.30		17
18											0.20		18
19											2.68		19
20											0.37		20
21											0.35		21
22											0.26		22
23											0.44		23
24											0.46		24
25											0.33		25
26											0.27		26
27											0.38		27
28											1.14		28
29											0.93		29
30											0.47		30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in      m , Q : Discharge in      m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.     

*checked on May 11*



# WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system AGOS Name of stream: AGOS Drainage area (Km<sup>2</sup>): 869 Year 1978

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	0.63		0.31		0.86		1.17		3.20		1.81		1
2	0.51		0.28		0.76		1.04		2.03		1.69		2
3	0.52		0.25		0.67		1.02		2.05		1.56		3
4	0.48		0.22		0.74		1.06		2.00		2.01		4
5	0.45		0.45		0.61		0.90		1.72		1.83		5
6	0.49		0.40		0.55		0.85		1.76		1.53		6
7	0.46		0.46		0.61		0.78		1.58		1.30		7
8	0.37		0.43		0.69		0.68		1.33		1.29		8
9	0.52		0.44		0.87		2.00		1.37		1.26		9
10	0.45		0.46		0.86		1.08		1.40		1.18		10
11	0.38		0.73		0.82		2.52		1.33		1.10		11
12	0.56		1.40		0.61		1.98		1.53		1.68		12
13	0.58		1.50		0.53		1.70		1.75		1.36		13
14	0.42		2.56		0.51		1.40		1.89		2.14		14
15	0.35		1.35		0.68		1.14		1.49		1.45		15
16	0.32		1.29		1.26		1.11		1.35		1.91		16
17	0.30		1.01		2.07		1.11		1.17		2.02		17
18	0.38		0.86		1.51		0.97		1.06		1.51		18
19	0.61		0.74		1.19		1.38		0.98		1.30		19
20	0.42		0.61		0.97		1.27		0.98		1.18		20
21	0.47		1.02		0.84		3.06		1.09		1.60		21
22	0.32		0.99		1.07		2.06		1.20		1.75		22
23	0.28		1.66		1.18		2.08		1.01		1.58		23
24	0.35		2.90		0.97		2.04		0.94		2.34		24
25	0.34		1.32		0.85		1.89		0.85		1.77		25
26	0.45		1.30		0.90		1.60		0.85		1.80		26
27	0.40		1.12		1.55		3.54		0.76		1.39		27
28	0.56		0.97		2.07		2.02		0.79		1.28		28
29	0.56		0.99		1.40		1.79		0.96		1.65		29
30	0.45		1.00				1.56		1.58		1.58		30
31	0.38		0.90				2.28				1.21		31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in m, Q : Discharge in m<sup>3</sup>/sec

N. K. Form No. 1202

Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system: AGOS Name of stream: AGOS Drainage area (Km<sup>2</sup>): 869 Year: 1979

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.32		0.50		0.37		0.04		0.44		0.43		1
2	1.57		1.00		0.47		0.02		0.39		0.40		2
3	1.43		0.91		0.56		0.03		0.36		0.53		3
4	1.25		0.69		0.38		0.01		0.34		0.40		4
5	1.09		0.79		0.40		-0.01		0.32		0.33		5
6	1.05		0.65		0.77		-0.01		0.29		0.30		6
7	0.94		0.59		0.62		-0.01		0.26		0.28		7
8	0.58		0.56		0.47		-0.02		0.26		0.22		8
9	0.88		0.55		0.43		-0.02		0.25		0.17		9
10	0.70		0.60		0.39		-0.02		0.22		0.23		10
11	0.78		0.56		0.34		-0.02		0.22		0.21		11
12	0.75		0.48		0.32		0.02		0.32		0.17		12
13	0.75		0.44		0.29		0.20		0.81		0.14		13
14	0.67		0.49		0.26		0.30		0.74		0.18		14
15	0.81		0.43		0.24		0.24		0.81		0.54		15
16	0.76		0.74		0.22		0.26		0.59		0.79		16
17	0.70		0.81		0.20		1.54		0.47		1.07		17
18	0.66		0.81		0.18		2.90		0.49		1.14		18
19	1.20		0.88		0.17		2.75		0.48		0.85		19
20	1.54		0.76		0.16		1.11		0.42		0.96		20
21	1.38		0.64		0.15		1.17		0.39		0.83		21
22	1.18		0.56		0.14		1.03		0.38		0.68		22
23	1.46		0.49		0.12		0.84		0.36		0.95		23
24	0.80		0.47		0.11		0.78		0.36		1.16		24
25	0.77		0.41		0.12		0.67		1.00		0.92		25
26	0.73		0.39		0.12		0.61		0.64		0.86		26
27	0.70		0.36		0.87		0.54		0.43		0.96		27
28	0.64		0.36		0.79		0.53		0.42		0.98		28
29	0.60				0.71		0.50		0.36		0.82		29
30	0.56				0.37		0.46		0.30		0.71		30
31	0.52												31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec ,  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system: Agos      Name of stream: Agos      Drainage area (Km<sup>2</sup>): 869      Year: 1979

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	0.72		0.76		0.76		0.80		1.59		2.02		1
2	0.65		0.77		0.47		1.19		1.47		1.88		2
3	0.60		0.78		0.40		1.10		1.72				3
4	1.17		0.84		0.76		1.34		1.66				4
5	1.20		0.72		0.47		2.85		1.40				5
6	1.50		1.25		0.31		2.27		1.27				6
7	0.91		1.00		0.39		2.64		1.18				7
8	0.88		0.95		0.25		2.50		0.98				8
9	0.81		0.87		0.24		2.03		0.94				9
10	0.76		0.72		0.20		1.82		0.83				10
11	0.67		0.65		0.20		1.56		0.76				11
12	0.62		0.58		0.20		1.34		0.87				12
13	0.56		0.60		0.38		1.20		1.28				13
14	0.51		1.21		0.34		1.11		1.26				14
15	0.51		1.59		1.22		1.07		1.54				15
16	0.53		2.25		1.31		0.93		2.02				16
17	0.46		1.63		1.09		0.87		1.88				17
18	0.40		1.44		1.02		0.88		1.63				18
19	0.36		1.04		2.55		0.72		1.49				19
20	0.34		0.89		1.61		0.55		1.72				20
21	0.41		0.76		1.26		1.19		1.71				21
22	0.34		0.79		1.10		1.18		1.61				22
23	0.48		0.62		0.93		0.99		1.48				23
24	0.39		0.57		0.90		0.97		1.52				24
25	0.33		0.51		0.77		1.00		1.27				25
26	0.29		0.51		0.55		0.70		1.87				26
27	0.37		0.49		0.80		0.54		2.25				27
28	0.43		0.42		0.90		1.19		2.01				28
29	0.79		0.42		0.77		0.98		1.70				29
30	0.74		0.39		0.88		0.88		1.83				30
31	1.03		0.41				1.95						31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_      N. K. Form No. 1202  
 Zero point of water gauge : El. \_\_\_\_\_

WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system

Agos

Name of stream:

Agos

Drainage area (Km<sup>2</sup>):

869

Year

1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Mahabang Lalim

River system

Agos

Name of stream :

Agos

Drainage area (Km<sup>2</sup>):

869

Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system: AGOS      Name of stream: KALIWA      Drainage area (Km<sup>2</sup>): 326      Year: 1978

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22											1.05		22
23											1.25		23
24											1.28		24
25											1.23		25
26											1.17		26
27											1.14		27
28											1.70		28
29											1.41		29
30											1.24		30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in      m , Q : Discharge in      m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.

# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system AGOS Name of stream: KALIWA Drainage area (Km<sup>2</sup>): 326 Year 1978

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.31				1.58		1.67				1.34		1
2	1.24				1.44		1.55				1.25		2
3	1.12				1.68		1.60				1.15		3
4	0.98				1.53		1.68				1.73		4
5	0.98				1.32		1.47		2.20		1.59		5
6	1.11				1.25		1.41		1.87		1.36		6
7	0.97				1.24		1.38		1.74		1.22		7
8	1.19				1.52		1.35		1.64		1.14		8
9	1.18				1.63				1.54		1.16		9
10	1.19				1.70				1.47		1.12		10
11	1.26				1.47				1.42		1.06		11
12	1.31				1.36				1.41		1.40		12
13	1.25				1.27				1.68		1.45		13
14	1.09				1.20		2.02		1.59		1.73		14
15					1.22		1.83		1.39		1.56		15
16	1.01				1.53		1.79		1.33		1.48		16
17	1.13						1.60		1.27		1.35		17
18	1.12						1.49		1.21		1.24		18
19	1.63				1.70		1.39		1.15		1.18		19
20	1.35				1.57		1.35		1.19		1.12		20
21	1.25				1.45				1.28		1.18		21
22	1.17				1.45				1.23		1.33		22
23	1.14				1.54		2.00		1.18		1.23		23
24	1.10				1.45		1.86		1.13				24
25	1.24				1.38		1.72		1.08		1.90		25
26	1.53				1.28				1.06		1.50		26
27	1.61								1.04		1.32		27
28	1.91								1.02		1.22		28
29	1.50				2.01				1.01		1.20		29
30	1.36				1.90		1.98		1.1		1.16		30
31	1.26										1.12		31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in m , Q : Discharge in m<sup>3</sup>/sec

N. K. Form No. 1202

Zero point of water gauge : El. \_\_\_\_\_



# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system: AGOS Name of stream: KALIWA Drainage area (Km<sup>2</sup>): 326 Year: 1979

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.08		0.63		0.23		0.0		0.1		1.20		1
2	1.04		0.57		0.23		0.0		0.1		1.13		2
3	1.02		0.50		0.23		0.0		0.1		1.17		3
4	1.00		0.44		0.23		0.0		0.1		1.09		4
5	0.98		0.44		0.23		0.0		0.1		1.01		5
6	0.97		0.44		0.23		0.0		0.0		0.94		6
7	0.95		0.41		0.22		0.0		0.0		0.89		7
8	0.94		0.39		0.22		0.0		0.0		0.83		8
9	0.92		0.37		0.1		0.0		0.0		0.76		9
10	0.88		0.35		0.1		0.0		0.0		0.74		10
11	0.84		0.33		0.1		0.0		0.0		0.73		11
12	0.80		0.31		0.1		0.0		0.15		0.72		12
13	0.76		0.29		0.1		0.0		0.70		0.71		13
14	0.72		0.33		0.1		0.0		0.70		0.70		14
15	0.68		0.26		0.1		0.0		0.91		0.71		15
16	0.64		0.22		0.1		0.0		0.93		1.05		16
17	0.60		0.28		0.1		0.5		0.62		1.20		17
18	0.99		0.33		0.1		1.92		0.81		1.18		18
19	0.95		0.33		0.0		1.65		0.99		1.16		19
20	1.05		0.30		0.0		1.15		0.85		1.15		20
21	1.12		0.28		0.0		0.99		0.74		1.07		21
22	1.07		0.26		0.0		0.88		0.68		1.02		22
23	1.02		0.25		0.0		0.80		0.65		1.02		23
24	0.97		0.24		0.0		0.74		0.76		1.12		24
25	0.93		0.23		0.0		0.71		1.42		1.04		25
26	0.99		0.23		0.0		0.60		1.27		1.01		26
27	0.85		0.23		0.0		0.48		1.09		1.32		27
28	0.81		0.23		0.0		0.38		1.05		1.40		28
29	0.77				0.0		0.28		1.01		1.20		29
30	0.73				0.0		0.15		0.99		1.20		30
31	0.70				0.0				1.06				31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in      m , Q : Discharge in      m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.

# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system

Agos

Name of stream:

Kalina

Drainage area (Km<sup>2</sup>):

726

Year 1977

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.12		1.77		1.14		1.45		1.61				1
2	1.07		1.62		1.24		1.35		1.49				2
3	1.05		1.50		1.18		1.64		1.68				3
4	<sup>over</sup> 1.66		1.65		1.16		<sup>over</sup> 1.73		1.71				4
5	1.91		1.67		1.17		<sup>over</sup> 2.10		1.48				5
6	1.68		1.78		1.14		1.74		1.47				6
7	1.61		1.86		1.10		1.74		1.39				7
8	1.53		1.74		1.05		1.80		1.33				8
9	1.45		1.62		1.01		1.69		1.30				9
10	1.41		1.50		0.97		1.62		1.26				10
11	1.34		1.47		1.01		1.58		1.25				11
12	1.28		1.42		1.08		1.51		1.24				12
13	1.21		1.37		1.07		1.46		1.19				13
14	1.17		1.36		1.34		1.42		1.27				14
15	1.15		<sup>over</sup> 2.1		1.33		1.43		1.42				15
16	1.12		<sup>over</sup> 2.1		1.27		1.38		1.72				16
17	1.10		<sup>over</sup> 2.1		1.23		1.34		1.61				17
18	1.07		<sup>over</sup> 2.05		<sup>over</sup> 1.65		1.32		1.46				18
19	1.05		1.86		<sup>over</sup> 2.10		1.29		1.42				19
20	1.01		1.68		1.85		1.27		1.44				20
21	0.98		1.58		1.54		1.24		1.42				21
22	0.96		1.32		1.51		1.29		1.42				22
23	0.97		1.46		1.45		1.25		1.35				23
24	0.97		1.42		1.33		1.22		1.38				24
25	0.95		1.36		1.29		1.22		1.35				25
26	0.95		1.33		1.25		1.19		1.58				26
27	1.08		1.29		1.24		1.18		1.65				27
28	1.08		1.25		1.46		1.24		1.51				28
29	1.60		1.23		1.37		1.21		1.41				29
30	1.46		1.21		1.53		1.18		1.25				30
31	1.91		1.17				1.93						31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system

Agos

Name of stream:

Kaliwa

Drainage area (Km<sup>2</sup>):

Year 1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_

Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Daraitan

River system Agos      Name of stream: Kaliwa      Drainage area (Km<sup>2</sup>): \_\_\_\_\_      Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Malaso-laso

River system: AGOS Name of stream: KANAN Drainage area (Km<sup>2</sup>): \_\_\_\_\_ Year: 1978

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20											(1.77)		20
21											1.23		21
22											1.27		22
23											1.22		23
24											1.23		24
25											1.24		25
26											1.21		26
27											1.21		27
28											0.76		28
29											0.81		29
30											(0.90)		30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in      m , Q : Discharge in      m<sup>3</sup>/sec ,  
 Zero point of water gauge : El.

# WATER LEVEL AND DISCHARGE

STATION Malaso laso

River system AGOS Name of stream: KANAN Drainage area (Km<sup>2</sup>): \_\_\_\_\_ Year 1978

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.02		1.28		1.02		0.26		2.16		1.13		1
2	0.99		1.19		1.05		0.33		2.37		1.24		2
3	1.06		1.19		1.08		0.59		2.36		1.24		3
4	0.98		1.29		1.08		0.58		2.37		1.05		4
5	0.99		1.29		1.11		0.90		2.35		0.97		5
6	1.01		1.30		1.15		0.64		2.95		1.04		6
7	1.06		1.30		1.18		1.00		3.01		1.37		7
8	1.06		1.29		1.11		1.01		(2.05)		1.42		8
9	1.07		1.29		1.08		2.32		(2.39)		0.36		9
10	1.04		1.28		1.05		2.00		2.64		1.44		10
11	1.04		1.26		1.11		2.04		2.61		1.38		11
12	1.03		1.20		1.19		0.36		2.58		1.52		12
13	1.02		0.86		1.23		0.19		2.60		1.74		13
14	1.06		0.67		1.24		0.25		2.59		1.95		14
15	1.09		0.87				0.30		2.58		1.68		15
16	1.20		0.95				0.33		0.47		1.81		16
17	1.21		0.95				0.34		0.55		1.86		17
18	1.22		1.10				0.84		0.66		1.65		18
19	1.20		1.21				0.76		0.71		1.19		19
20	1.22		1.20				1.45		0.77		1.13		20
21	1.21		1.21				1.95		0.69		1.68		21
22	1.26		1.24				2.04		0.73		1.71		22
23	1.24		1.01				2.14		0.64		1.33		23
24	1.25		0.69				2.30		0.74		1.72		24
25	1.25		0.81				2.72		0.83		1.85		25
26	1.22		0.90				2.76		0.86		1.55		26
27	1.20		0.96				2.65		0.86		1.38		27
28	1.07		1.04				2.25		0.86		1.14		28
29	1.08		1.09				2.70		0.74		1.47		29
30	1.21		1.05				2.85		1.25		1.46		30
31	1.24		1.08				3.00				1.33		31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

N. K. Form No. 1202

# WATER LEVEL AND DISCHARGE

STATION Malaso laso

River system: AGOS Name of stream: KANAN Drainage area (Km<sup>2</sup>): \_\_\_\_\_ Year: 1979

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	1.23		0.43		0.38		0.09				0.29		1
2	1.41		0.84		0.39		0.08				0.29		2
3	1.32		0.69		0.51		0.09				0.21		3
4	1.15		0.56		0.45		0.10				0.21		4
5	0.99		0.65		0.51		0.25				0.29		5
6	0.84		0.50		0.81		0.24				0.27		6
7	0.85		0.41		0.58		0.23				0.27		7
8	0.84		0.45				0.22				0.26		8
9	0.74		0.32				0.23				0.24		9
10	0.69		0.39				0.22				0.27		10
11	0.61		0.47				0.24				0.29		11
12	0.50		0.41				0.25				0.25		12
13	0.48		0.37				0.29				0.26		13
14	0.46		0.44				0.44				0.26		14
15	0.61		0.35				0.47				0.65		15
16	0.63		0.39				0.76				0.62		16
17	0.56		0.47				1.40				1.02		17
18	0.47		0.67				1.90				1.05		18
19	0.63		0.67				1.62				0.81		19
20	1.56		0.64				1.04				0.81		20
21	1.50		0.54				1.25				0.97		21
22	1.37		0.44				1.01				0.25		22
23	1.18		0.39				0.94				0.21		23
24	1.02		0.36				0.86				1.24		24
25	0.89		0.31				0.25				0.89		25
26	0.58		0.32				0.81				0.74		26
27	0.42		0.33				0.76				0.75		27
28	0.39		0.36				0.70				0.74		28
29	0.34						0.67				0.23		29
30	0.30						0.67				0.65		30
31	0.26												31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_,  
Zero point of water gauge : El. \_\_\_\_\_



# WATER LEVEL AND DISCHARGE

STATION Malaso laso

River system Agos Name of stream: Kamon Drainage area (Km<sup>2</sup>): \_\_\_\_\_ Year 1979

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1	0.26		0.26		0.24								1
2	0.59		0.34		0.29								2
3	0.55		0.33		0.32								3
4	0.70		0.37		0.31								4
5	0.76		0.33		0.35								5
6	0.66		0.39		0.30								6
7	0.60		0.48		0.23								7
8	0.55		0.47		0.25								8
9	0.52		0.43		0.24								9
10	0.49		0.37		0.23								10
11	0.46		0.34		0.22								11
12	0.45		0.32		0.34								12
13	0.42		0.31		0.39								13
14	0.41		0.54		0.77								14
15	0.41		0.67		1.11								15
16	0.42		1.32		1.24								16
17	0.37		0.98		1.06								17
18	0.36		0.68		0.80								18
19	0.35		0.55		1.55								19
20	0.34		0.54		1.36								20
21	0.59		0.43		1.08								21
22	0.47		0.40		0.89								22
23	0.51		0.38		0.77								23
24	0.44		0.36		0.71								24
25	0.37		0.33		0.67								25
26	0.35		0.31		0.61								26
27	0.36		0.34		0.63								27
28	0.34		0.31		0.61								28
29	0.39		0.30		0.56								29
30	0.39		0.30		0.57								30
31	0.38		0.33										31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

N. K. Form No. 1202

# WATER LEVEL AND DISCHARGE

STATION Malasolaso

River system

Agos

Name of stream:

Kanan

Drainage area (Km<sup>2</sup>):

Year 1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Malasolaso

River system Agos Name of stream: Kanan Drainage area (Km<sup>2</sup>): \_\_\_\_\_ Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION *Nia*

River system *Agos*      Name of stream: *Kaliwa*      Drainage area (Km<sup>2</sup>): \_\_\_\_\_      Year *1979*

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1									5.37				1
2									4.76				2
3									5.44				3
4									5.30				4
5									4.66				5
6									4.81				6
7									4.80				7
8									4.67				8
9									4.62				9
10									4.55				10
11									4.57				11
12									4.56				12
13									4.55				13
14									4.70				14
15									4.88				15
16									5.07				16
17									5.05				17
18									4.90				18
19									4.82				19
20									4.77				20
21									4.81				21
22									4.88				22
23									4.77				23
24									4.84				24
25									4.71				25
26									4.97				26
27									5.25				27
28									4.98				28
29									4.87				29
30									4.82				30
31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Nio

River system Agos

Name of stream: Kaliwa

Drainage area (Km<sup>2</sup>): \_\_\_\_\_

Year 1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
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31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Nio

River system

Agos

Name of stream :

Kaliwa

Drainage area (Km<sup>2</sup>) :

Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
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31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Kakamanshaw

River system

Agos

Name of stream :

Kanan

Drainage area (Km<sup>2</sup>) :

Year 1999

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
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31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_



# WATER LEVEL AND DISCHARGE

STATION Kakamanshaw

River system Agos      Name of stream: Kanan      Drainage area (km<sup>2</sup>): \_\_\_\_\_      Year 1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
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MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
Zero point of water gauge : El. \_\_\_\_\_

# WATER LEVEL AND DISCHARGE

STATION Kakamansaw

River system

Agos

Name of stream :

Kanan

Drainage area (Km<sup>2</sup>) :

Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
5													5
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MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

HQD-1

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# WATER LEVEL AND DISCHARGE

STATION Birugawan

River system

Agos

Name of stream:

Kanan

Drainage area (Km<sup>2</sup>):

Year 1980

	Jan		Feb		Mar		Apr		May		June		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
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31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

N. K. Form No. 1201

# WATER LEVEL AND DISCHARGE

STATION Binugawan

River system

Agos

Name of stream :

Kanan

Drainage area (Km<sup>2</sup>) :

Year 1980

	July		Aug		Sept		Oct		Nov		Dec		
	H	Q	H	Q	H	Q	H	Q	H	Q	H	Q	
1													1
2													2
3													3
4													4
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31													31
MAX													MAX
MIN													MIN
TOTAL													TOTAL
DAYS													DAYS
MEAN													MEAN

H : Gauge height in \_\_\_\_\_, Q : Discharge in \_\_\_\_\_  
 Zero point of water gauge : El. \_\_\_\_\_

Flood on Dec 12, 1963  
at Banugao on Agos river

Date Hour	Dec 11		Dec 12		Dec 13		Dec 14			
	H	Q	H	Q	H	Q	H	Q	H	Q
0			2.78	232.1						
1			2.86	256.6						
2			3.64	555.6						
3			4.00	722.0						
4			4.20 <sup>2</sup>	820.0						
5			3.80	628.0						
6			3.83	641.8						
7			3.66	564.4			2.62	186.1		
8			3.30	412.0						
9			4.07 <sup>2</sup>	755.6						
10			3.68	573.2						
11			3.64	555.6						
12	2.93	278.6	3.60	538.0	2.92	275.4				
13			3.62	546.8						
14	2.90	269.0	3.65	560.0						
15	2.88	262.8	3.72	591.2						
16	2.87	259.7	3.68	573.2						
17			3.69	577.6						
18			3.62	546.8						
19			3.75	605.0						
20	2.80	238.0	3.52	503.6						
21	2.78	232.1	3.29	408.2						
22	2.77	229.2	3.22	381.6						
23	2.76	226.2	3.18	366.4	2.72	214.4				
			3.16	358.8						
			3.14	351.2						

Note: 1; Clock might have stopped for some time.

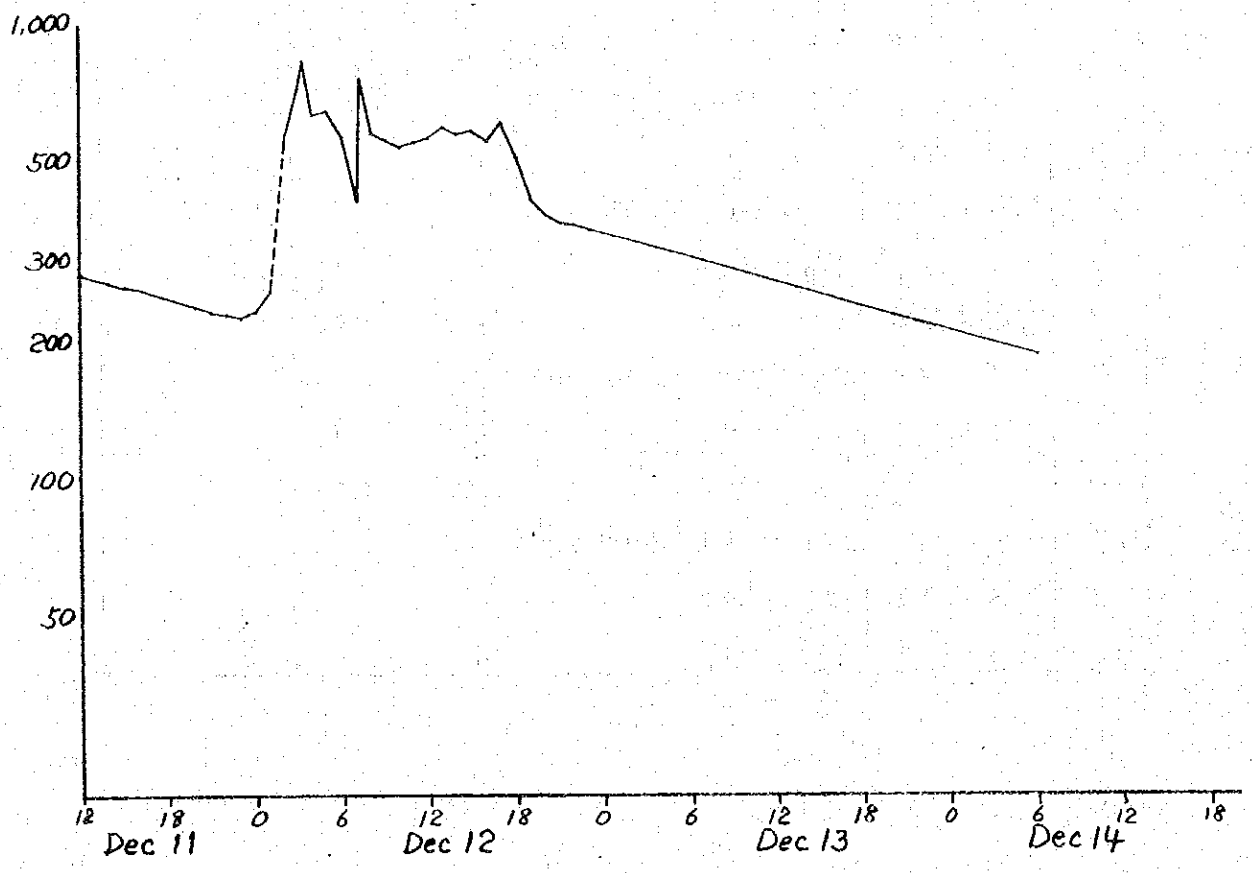
2; Q peak occurred at 4:25.

3; Second peak at 5:15.

4; Unit: H in m

Q in m<sup>3</sup>/sec

### Flood on Dec 12, 1963

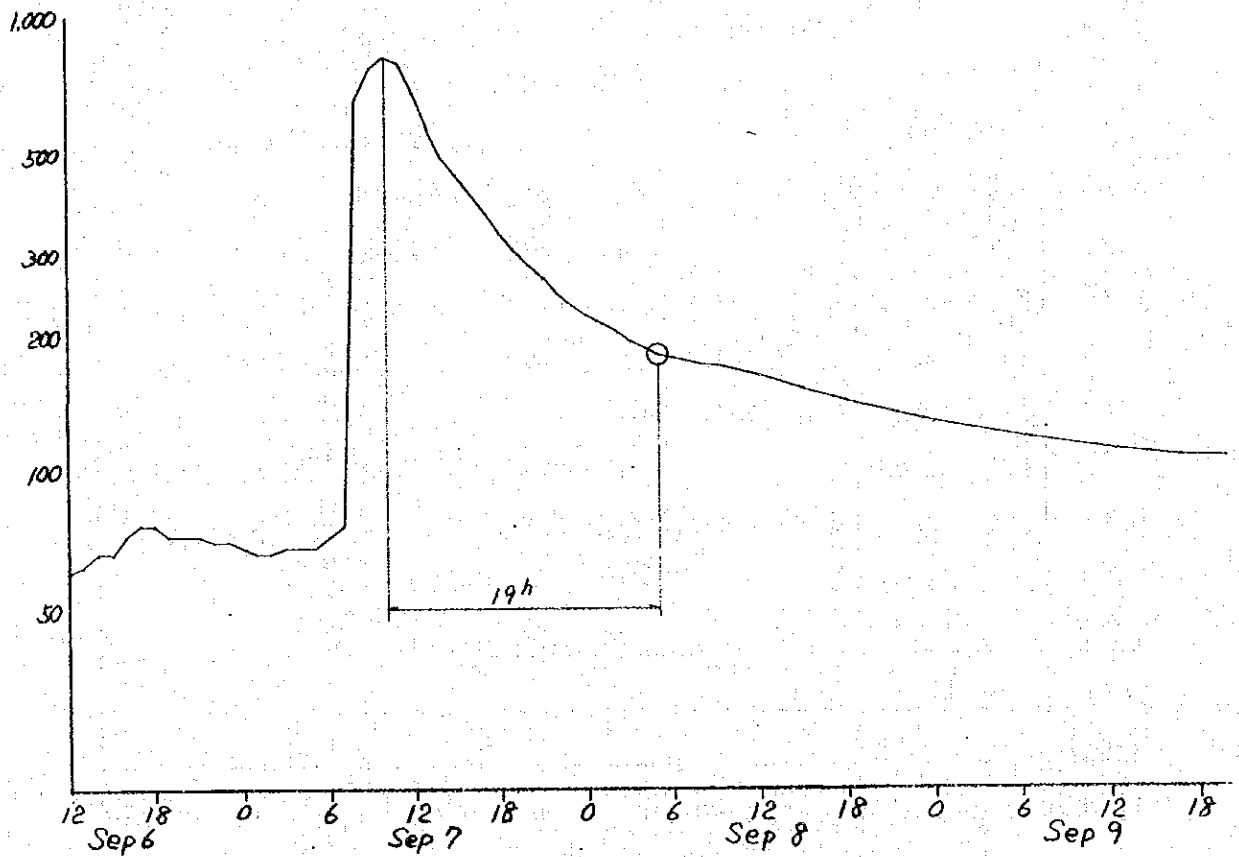


Flood on Sep. 7, 1964 (not annual maximum)  
at Banuago on Agos river

Date Hour	Sep. 6		Sep. 7		Sep. 8		Sep. 9		Sep. 10	
	H	Q	H	Q	H	Q	H	Q	H	Q
0	2.05	50.9	2.14	67.9	2.74	220.3	2.40	127.5	2.29	100.7
1			2.13	65.9						
2			2.13	65.9	2.68	202.9				
3			2.14	67.9	2.64	191.7				
4									2.29	100.7
5			2.14	67.9	2.60	180.5			2.30	103.0
6			2.16	71.9	2.59	177.8	2.36	117.7		
7	2.05	50.9	2.18	76.0					2.30	103.0
8			3.86	655.6	2.57	172.4				
9			4.10	770.0	2.56	169.7				
10	2.06	52.7	4.17*	815.0						
11	2.07	54.5	4.14	790.0						
12	2.10	59.8	3.91	678.8	2.53	161.6	2.33	110.4		
13	2.11	61.8	3.66	564.4						
14	2.13	65.9	3.49	490.7						
15	2.13	65.9	3.39	448.0	2.49	150.9				
16	2.16	71.9	3.28	404.4					2.25	91.5
17	2.18	76.0	3.19	370.2			2.31	105.5		
18	2.18	76.0	3.10	336.0	2.46	143.1				
19	2.16	71.9	3.01	304.5						
20			2.95	285.0			2.31	105.5		
21	2.16	71.9	2.89	265.9	2.43	135.3				
22	2.15	69.9	2.83	247.3						
23	2.15	69.9	2.78	232.1						



### Flood on Sep 7, 1964



Flood on Dec 18, 1965  
at Banugao on Agos river

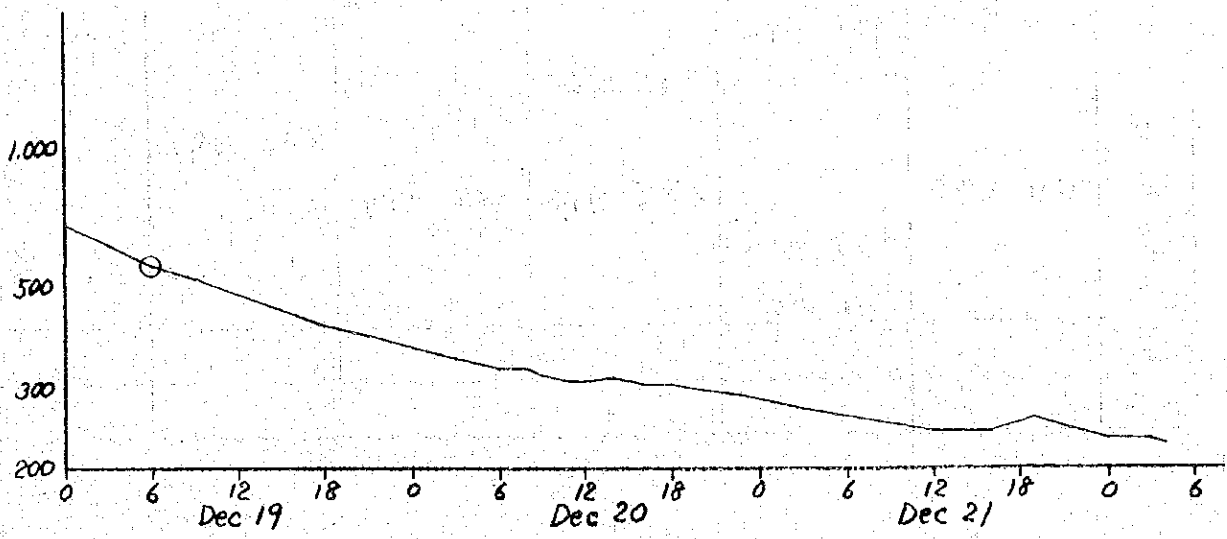
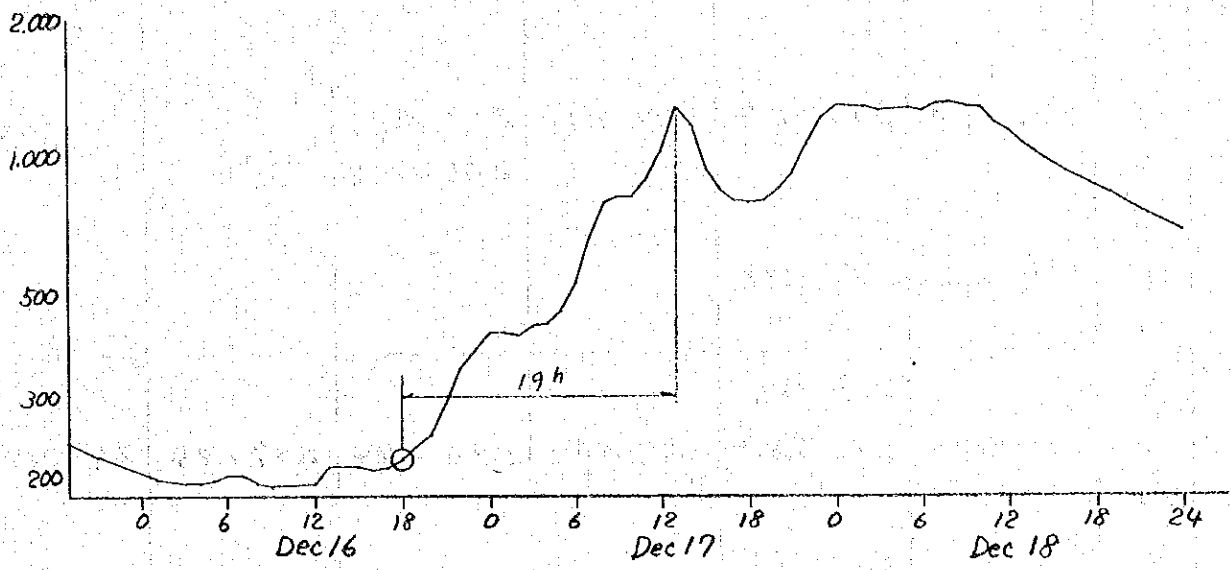
1/2

Date Hour	Dec 14		Dec 15		Dec 16		Dec 17		Dec 18	
	H	Q	H	Q	H	Q	H	Q	H	Q
0	2.35	115.3	2.50	153.5			3.30	412.0	4.87	(1298) 1210.2
1			2.51	156.2	2.66	197.3	3.30	412.0	4.86	(1289) 1203.6
2			2.56	169.7			3.28	404.4	4.86	(1289) 1203.6
3	2.34	112.8	2.67	200.1	2.64	191.7	3.33	424.0	4.84	(1272) 1190.4
4			2.73	217.4	2.64	191.7	3.35	432.0		
5			2.78	232.1	2.65	194.5	3.42	460.6	4.85	(1280) 1197.0
6			2.89	265.9	2.67	200.1	3.58	529.4	4.84	(1272) 1190.4
7			2.95	285.0	2.67	200.1	3.88	664.8	4.88	(1307) 1216.8
8			3.02	308.0	2.64	191.7	4.14	790.0	4.89	* (1315) 1223.4
9			3.03	311.5	2.63	188.9	4.20	820.0	4.87	(1298) 1210.2
10			2.98	294.6			4.20	820.0	4.86	(1289) 1203.6
11	2.34	112.8	2.94	281.8			4.34	893.6	4.75	(1193) 1132.5
12			2.90	269.0	2.64	191.7	4.56	1016.4	4.69	(1026) (1289) (1140) 1094.9
13	2.36	117.7	2.87	259.7	2.70	208.5	4.86	1203.6	4.60	(1184) (1061) 1040.0
14	2.36	117.7					4.74	1126.2	4.54	(1009) 1004.6
15	2.41	130.1			2.70	208.5	4.42	937.0	4.47	964.5
16	2.47	145.7			2.69	205.7	4.26	851.2	4.40	926.0
17	2.52	158.9	2.79	235.1	2.70	208.5	4.17	805.0	4.34	893.6
18	2.60	180.5	2.78	232.1	2.73	217.4	4.15	795.0	4.28	861.6
19	2.59	172.8	2.79	235.1	2.78	232.1	4.16	800.0	4.22	830.4
20	2.55	167.0			2.82	244.2	4.25	846.0	4.15	795.0
21	2.51	156.2	2.74	220.3	2.96	288.2	4.39	920.6	4.09	765.2
22	2.50	153.5			3.12	343.6	4.61	1046.1		(1070) (1219)
23					3.20	374.0	4.78	1151.4		
Total										
Mean										

Note: Figure in parenthesis is the discharge obtained using rating table "Aug 1979" which is newly estimated.



Flood on Dec 18, 1965



Flood on Nov 20, 1966  
at Banugao on Agos river

1/2

Date Hour	Nov 15		Nov 16		Nov 17		Nov 18		Nov 19	
	H	Q	H	Q	H	Q	H	Q	H	Q
0			2.59	177.8	3.19	370.2	3.36	436.0	3.38	444.0
1			2.58	175.1	3.15	355.0	3.34	428.0	3.33	424.0
2			2.57	172.4	3.46	477.8	3.36	436.0	3.28	404.4
3					3.57	525.1	3.45	473.5	3.27	400.6
4			2.57	172.4	3.43	464.9	3.45	473.5	3.27	400.6
5			2.58	175.1	3.35	432.0	3.36	436.0	3.24	389.2
6					3.31	416.0	3.35	432.0	3.22	381.6
7					3.38	444.0	3.40	452.0	1	
8					3.48	486.4	3.45	473.5	3.27	400.6
9			2.58	175.1	3.46	477.8	3.42	460.6	3.29	408.2
10	2.33	110.4	2.63	188.9	3.43	464.9	3.39	448.0	3.30	412.0
11			2.72	214.4	3.40	452.0	3.37	440.0	3.27	400.6
12	2.35	115.3	2.72	214.4	3.39	448.0	3.32	420.0	3.25	393.0
13			2.90	269.0	3.35	432.0	3.35	432.0	3.23	385.4
14			2.87	259.7	3.34	428.0	3.35	432.0		
15	2.41	130.1	2.80	238.0	3.37	440.0	3.31	416.0		
16			2.80	238.0	3.37	440.0	3.29	408.2		
17			2.95	285.0	3.40	452.0	3.27	400.6	3.14	351.2
18	2.46	143.1	3.14	351.2	3.44	469.2	3.24	389.2		
19			3.31	416.0	3.52	503.6	3.24	389.2	3.10	336.0
20			3.42	460.6	3.51	499.3	3.27	400.6		
21	2.53	161.6	3.55	516.5	3.45	473.5	3.40	452.0	3.06	322.0
22			3.42	460.6	3.41	456.3	3.51	499.3	3.05	318.5
23	2.59	177.8	3.26	396.8	3.38	444.0	3.42	460.6	3.06	322.0
Total										
Mean										

Note: 1; 1 hour adjusted here.

Flood on Nov 20, 1966  
at Banugao on Agos river

2/2

Date	Nov 20		Nov 21		Nov 22		Nov 23		Nov 24	
Hour	H	Q	H	Q	H	Q	H	Q	H	Q
0	3.08	329.0	7.96	(5,194) 4216	4.21	825.2				
1	3.14	351.2	7.51	(4,392) 3721	4.17	805.0	3.90	674.0		
2	3.16	358.8	7.24	(3,973) 3424	4.15	775.0				
3	3.19	370.2			4.14	790.0				
4	3.24	389.2	3		4.17	805.0	3.86	655.6		
5	3.36	436.0			4.19	815.0				
6	3.42	460.6			4.21	825.2				
7	3.52	503.6	6.20	(2,556) 2338	4.21	825.2	3.81	632.6		
8	3.60	538.0	6.02	(2,371) 2163.2	4.20	820.0				
9	3.70	582.0			4.19	815.0				
10	4.09	765.2	5.62	(1,961) 1797.6	4.19	815.0	3.76	609.6		
11	4.41	931.5	5.44	(1,797) 1645.2	4.17	805.0				
12	4.55	1010.5	5.30	(1,675) 1530.0	4.17	805.0				
13	4.88	1216.8	5.16	(1,552) 1419.2			3.70	582.0		
14	5.16	1419.2			4.17	805.0				
15	5.45	1653.5								
16		(2,248)			4.13	785.0	3.62	546.8		
17	6.34	2478	4		4.11	775.0				
18	7.35	3545			4.08	760.4				
19	8.11	4381			4.05	746.0	3.55	516.5		
20	8.04	4304			4.02	731.6				
21	8.01	4271								
22	8.12	4392	4.30	872.0	3.96	702.8				
23 <sup>12</sup>	8.30	4570	4.25	846.0						

Note: 2; Q<sub>peak</sub> at 22:40 on Nov 20, { Q<sub>p</sub> = 4,744 (6,070)  
 3; 4 hours adjusted here. H<sub>p</sub> = 8.44  
 4; 8 hours adjusted here.

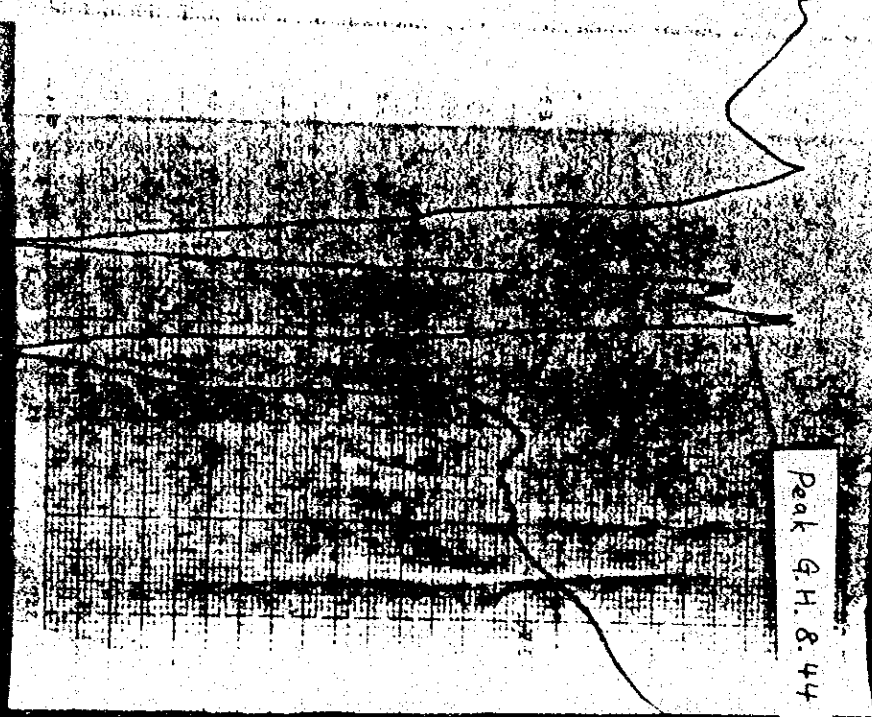
Fig. 10

Chart of Agos river at Banugao G.S.

on Nov 20, 1966

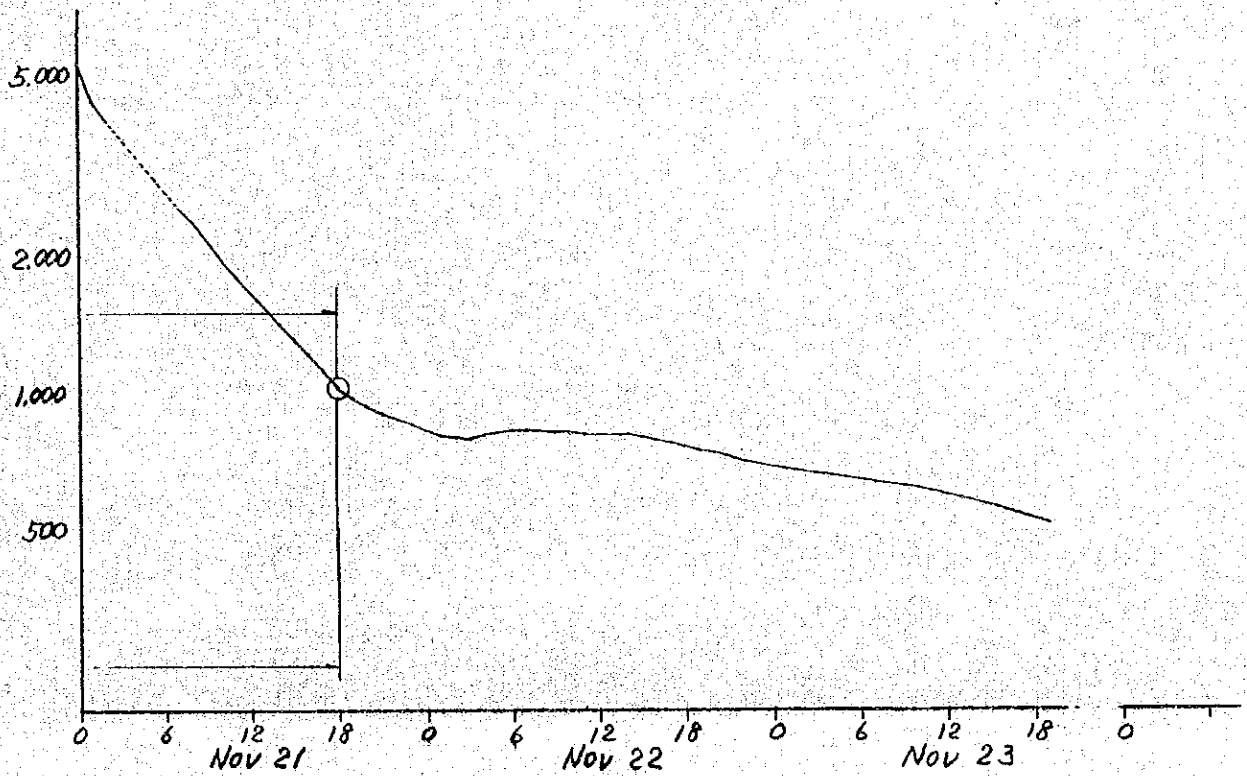
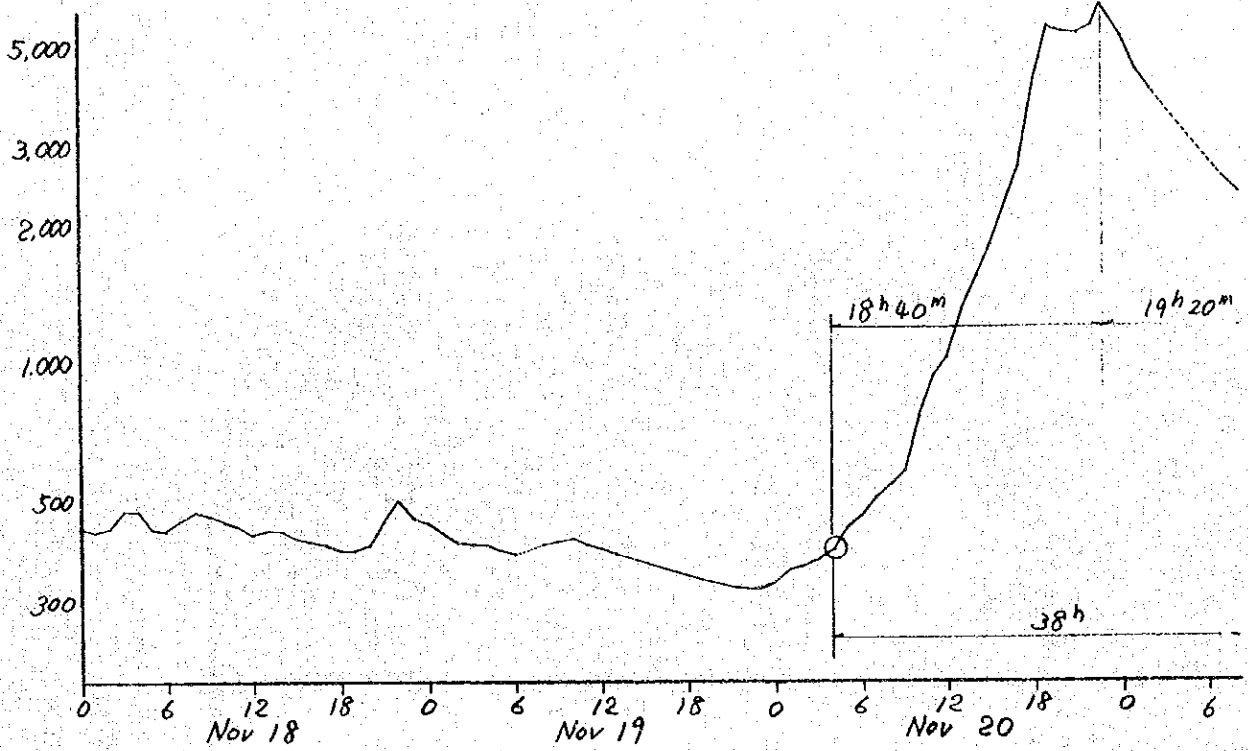
$Q_p = 6.070 \text{ m}^3/\text{sec}$

$H_p = \text{El. } 13.46 \text{ m}$



Peak Q: H: 8.44

Flood on Nov 20, 1966







Flood on Sep. 29, 1968  
at Barugao on Agos river

2/2

Date	Oct. 2	Oct. 3	Oct. 4	Oct. 5	Oct. 6
Hour	H Q	H Q	H Q	H Q	H Q
0			2.35 115.3	2.31 105.5	2.28 98.4
1		2.40 127.5			
2	2.48 148.3				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12	2.44 137.9				
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
Total					
Mean					

### Flood on Sep 29, 1968

