

DAILY BATHING RECORD

Sublot 423a

Sheet

(43)

Station No.

Loc 0119

Year 1976

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1							43	4					
2							20			0			
3							5			1			
4							25			3			
5							10	2					
6								1					
7								5			7		
8							27						
9							40	6					
10							60				4		
11							10						
12							20	2					
13							7			5	10		
14											5		
15											20		
16											19		
17								4			14		
18											11		
19													
20											10		
21							60	1			1		
22										63	11		
23													
24											25		
25								20		42			
26										10			
27											35		
28													
29							4						
30													
31							33			26			
Total							350	45		186	172		
Start of rainy day													
End of rainy day													
6hr													
12hr													
18hr													
24hr													
30hr													
Average													
Max													
Min													
Std Dev													

# DAILY RAINFALL RECORD

Station: Sikoli 703.0

Serial: \_\_\_\_\_ Date: \_\_\_\_\_ Station: \_\_\_\_\_ No. \_\_\_\_\_ E.L. \_\_\_\_\_

Year: \_\_\_\_\_ Year: 1977

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1	-	-	-	-	-	-	-	-	-	13	-	-	-
2	36	-	-	-	-	7	-	-	-	-	-	-	-
3	-	-	7	-	-	11	-	-	-	-	-	-	-
4	21	8	-	-	-	1	-	-	-	-	-	8	-
5	-	-	8	-	37	6	27	-	-	-	-	-	-
6	-	-	-	-	-	-	65	-	-	-	-	-	18
7	-	-	-	-	-	14	39	-	-	-	-	-	-
8	-	-	20	8	-	-	15	-	-	-	-	-	-
9	-	-	-	-	-	8	-	-	-	-	-	-	133
10	3	-	-	-	-	11	-	-	-	-	-	-	-
11	10	10	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	12	-	22	-	-	-	-	-
14	5	-	25	7	-	22	-	-	-	-	-	6	-
15	-	-	-	-	-	21	-	17	-	-	-	-	-
16	-	-	-	-	-	44	-	-	-	-	-	-	-
17	-	-	-	-	-	153	-	-	-	25	-	38	-
18	-	28	-	-	67	-	-	-	-	-	-	35	-
19	-	-	-	-	-	-	-	-	-	-	-	75	-
20	-	-	-	-	2	31	1	-	-	-	-	-	-
21	3	-	16	-	-	-	12	-	-	-	-	-	-
22	1	-	-	-	-	-	-	-	-	-	-	-	42
23	5	-	20	-	-	-	-	-	-	-	-	-	-
24	-	-	2	-	-	-	-	-	-	-	-	-	-
25	-	-	-	6	-	2	-	-	-	-	-	-	-
26	-	35	-	-	16	-	-	-	-	-	-	2	-
27	-	-	10	8	-	-	-	-	-	-	-	67	30
28	-	-	-	-	28	-	-	-	-	-	-	-	-
29	21	-	-	-	3	-	-	-	-	-	-	36	36
30	-	-	3	-	68	-	-	-	-	-	-	-	-
31	105	81	111	29	231	105	253	44	-	40	215	311	-
day													
10.6													
31	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
30	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
29	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
28	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
27	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
26	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
25	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
24	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
23	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
22	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
21	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
20	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
19	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
18	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
17	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
16	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
15	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
14	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
13	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
12	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
11	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
10	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
9	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
7	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
6	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
5	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
4	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
2	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )

Summery of all recorded years starting from 19 - 19

DAILY RAINFALL RECORD

Station: Sakkoli 403. a

District: \_\_\_\_\_ Division: \_\_\_\_\_ Station No: \_\_\_\_\_ Elevation: \_\_\_\_\_  
 Date: \_\_\_\_\_ Year: 1976

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	(mm)
1		35		41	66								
2					32								
3					25								
4					15								
5													
6			83										
7				25	12								
8				44									
9					20								
10													
11					4								
12													
13					23								
14					35								
15				25	11								
16				13									
17					2								
18		60		22									
19													
20			25										
21			22										
22			20	30									
23													
24			50	2									
25			13	54									
26				23									
27													
28		55		67	5								
29				75									
30				20	3								
31													
Total		150	213	444	330								
Number of rainy day		3	6	13	13								
Days without recorded day (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Summation of all recorded rain starting from 19 ~ 17													
Average													
Max. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Min. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Daily Max. (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )

Alat rusak

# DAILY RAINFALL RECORD

Station : Sakkoli DIPERTA

1979

Month Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1		x	x	x	x	x	x	x	x	x		
2		x	x	x	x	x	x	x	x	x	19	
3		x	x	x	x	x	x	x	x	x		7
4		x	x	x	x	x	x	x	x	x		
5	1	x	x	x	x	x	x	x	x	x		
6		x	x	x	x	x	x	x	x	x	15	
7		x	x	x	x	x	x	x	x	x		
8		x	x	x	x	x	x	x	x	x		4
9		x	x	x	x	x	x	x	x	x		
10	3	x	x	x	x	x	x	x	x	x		
	4										34	11
11		x	x	x	x	x	x	x	x	x		
12	5	x	x	x	x	x	x	x	x	x	8	
13		x	x	x	x	x	x	x	x	x	23	
14		x	x	x	x	x	x	x	x	x		
15		x	x	x	x	x	x	x	x	x		
16	4	x	x	x	x	x	x	x	x	x		10
17		x	x	x	x	x	x	x	x	x		9
18		x	x	x	x	x	x	x	x	x		1
19		x	x	x	x	x	x	x	x	x		12
20		x	x	x	x	x	x	x	x	x		3
	9										31	35
21		x	x	x	x	x	x	x	x	x		7
22		x	x	x	x	x	x	x	x	x		5
23	6	x	x	x	x	x	x	x	x	x		
24		x	x	x	x	x	x	x	x	x		
25		x	x	x	x	x	x	x	x	x		
26		x	x	x	x	x	x	x	x	x		4
27		x	x	x	x	x	x	x	x	x		
28	20	x	x	x	x	x	x	x	x	x		
29		x	x	x	x	x	x	x	x	x		3
30		/	x	x	x	x	x	x	x	x		
31		/	x	/	x	/	x	x	/	x		
	26										0	19
Total	39	x	x	x	x	x	x	x	x	x	65	65
Rainy days	6	x	x	x	x	x	x	x	x	x	4	11

# DAILY RAINFALL RECORD

Station : Sakkoli DIPERTA

1980

Month Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1			8		25	7	7		3			10
2	2		1	2	81	12	24					
3			31		37							
4		1			82	21		6				
5			3	4	22	1		37		11		80
6			33		11	9		13				3
7				27	18	18		115				8
8	3			24	9							
9	3			8	1	4						9
10	2	1	2	45						7		7
	10	2	98	110	286	72	31	171	3	18	0	117
11	3			0		4	13			14	2	
12			1	119	8		4					
13		9		29	8	6						4
14	1			3		13				4	22	
15					13	2	18				2	
16			1	21	2	24					12	
17				2	7	21	7	9				
18		3	1	1		32	2	5				
19			7	1		34						
20				10	6			21				2
	4	12	10	186	44	156	44	35	0	18	38	6
21						4	20			5		2
22		2		3	69		16				4	
23	1				15							35
24				7	47	3		6			24	
25	1			43	21					7		
26		2	42		1	13		35		3	4	2
27	5	16	1	11	2	89		12		8		
28		41		15	19							
29		8	5		105	3						
30					6							
31					4							
	7	89	48	77	289	112	36	53	0	23	32	39
Total	21	83	156	375	619	340	111	259	3	59	70	162
Rainy days	9	9	13	20	25	21	9	10	1	8	7	11

PENCATATAN CURAH HUJAN

No. Stasiun : 403d  
 Nama : SAKOLI  
 Keb. WADO . Kec.

Desa

Lintang  
 Bujur

0 ' "  
 0 ' "

Tahun: 1981

" T.M.L.

Tanggal Pencatatan	Jan.	Feb.	Mar.	Apr.	Mei.	Jun.	Jul.	Agt.	Sep.	Okt.	Nov.	Dés.	KETERAN
1.	.	.	15	14	.	.							
2.	.	.	4	10	41	.							
3.	.	.	3	.	44	5							
4.	.	.	.	.	2	.							
5.	.	.	.	.	101	3							
6.	.	.	.	2	.	6							
7.	.	1	.	.	4	.							
8.	.	.	.	16	.	.							
9.	.	.	.	34	10	16							
10.	.	.	.	5	37	22							
Jumlah													
11.	.	.	6	.	63	22							
12.	.	.	.	.	19	19							
13.	.	.	.	6	13	.							
14.	.	.	.	.	3	.							
15.	.	1	.	.	.	2							
16.	.	.	9	.	92	3							
17.	.	.	3	38	36	.							
18.	.	.	.	.	139	78							
19.	.	.	20	.	.	64							
20.	.	.	2	3	7	.							
Jumlah													
21.	.	.	.	.	7	.							
22.	.	.	42	.	4	.							
23.	.	.	.	73	9	.							
24.	.	.	12	.	.	15							
25.	.	10	30	37	6	.							
26.	.	.	35	.	.	3							
27.	.	1	13	4	3	.							
28.	.	.	1	39	.	.							
29.	.		1	13	.	2							
30.	.		49	.	.	.							
31.	.		.		.								
Jumlah													
Jumlah per bulan	.	13	245	300	640	263							
Jumlah hari hujan	.	4	16	14	20	14							
Kate-Rata	.	3.2	15.3	21.4	32	18.7							
Hujan Max.		12	48	73	92	78							
Tanggal		25	31	23	16	12							

Keterangan :  
 . Tidak ada hujan  
 - Tidak ada data  
 x Alat rusak

Hujan dicatat dalam mm  
 T.D.M.L : Tinggi diatas muka laut

DAILY RAINFALL RECORD

Station: *Panla 4-76*

Dist. No. *4 (44)* Cont. No. *1* Station No. *1* P. *1* E. *1* S. *1*

Year *1976*

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1												18	
2							25					45	
3												97	
4										35	2		
5													
6											4		
7							25						
8												25	
9													
10													
11													
12							55						
13													
14											10		
15							21						
16											75		
17												75	
18											45		
19													
20							25				31	19	
21													
22											48		
23													
24											27		
25										76		15	
26													
27										15			
28											15		
29							54					12	
30													
31													
<b>Total</b>							<b>325</b>			<b>176</b>	<b>459</b>	<b>306</b>	
Number of rainy day													
as of 12:00 noon													
Recorded day (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
6hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Quantity of all recorded years including from 19 ~ 1													
Average													
Max. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Min. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Daily Max.	1-day	2-day	3-day	4-day	5-day	6-day	7-day	8-day	9-day	10-day	11-day	12-day	13-day

N. K. Form C1102

DAILY RAINFALL RECORD

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Station No. \_\_\_\_\_ Date \_\_\_\_\_ Year 1927

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1													
2							40						
3	25			46				21					
4		10				23							43
5													
6													24
7	15				35								
8													
9													59
10	31			36									
11													
12		15		11		20		35					
13	45				49			66					
14						15							
15													
16						28							
17					36								60
18		35				25					23		
19													
20	52										35		
21						17							
22				42									
23						55							
24				12									
25					21	75							
26													24
27		41	75										
28													
29			17			41					67		
30	3												56
31			11										
Total	191	101	103	145	135	429	40	122				147	263
Number of rainy day													
Ex. with in one hour day (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
6 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )

Secretary of all recorded rain falling from 19 ~ 15

Average													
Max. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Min. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
11y Max.	1-1-17		2-1-7				3-day						



DAILY RAINFALL RECORD

Station: *P. 22a 402.8*

For Site \_\_\_\_\_ Station No. \_\_\_\_\_ State \_\_\_\_\_ Co. \_\_\_\_\_  
 Year 1978

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1				40		39							
2					103			3		2			
3									20				
4			31		48	35				3			
5					40		25	5					
6			35									25	
7					21								
8		20	41		20		31	7		11			
9											30		
10			23	21			18	5	5			11	
11	68				20			3					
12			20				45			15			
13					50			4	11		15		
14					76		65	10					
15									15			5	
16			41							25			
17								25	5				
18	39						20	40					
19						42							
20									2		21		
21													
22						19						21	
23										66			
24				28					2				
25							15						
26										75			
27											27		
28		5				32	64		45			35	
29				15		17			10		45		
30			52										
31													
Total	107	25	233	134	372	245	279	102	120	197	138	97	
Total of rainy day	2	2	7	4	8	6	8	9	10	7	5	5	
6 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
1 hr (Date)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )

Safety of all recorded years starting from 19\_\_ to 19\_\_

Average													
Mar. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
Apr. (Year)	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
July Max. 1 day													

PENCATATAN CURAH HUJAN

No. Stasiun : 4045  
 Nama : PAKIA  
 Kab. WA.SD Kec. \_\_\_\_\_

(44)

Tahun: 1979

Lintang 0 1 "  
 Bujur 9 1 " TIML

Tanggal Pencatatan	Jan.	Feb.	Mar.	Apr.	Mei.	Jun.	Jul.	Agst.	Sep.	Okt.	Nov.	Des.	KETERANGAN
1.	.	.	.	.	.	55	.	.	.	.	.	.	DIPERTAH
2.	.	.	.	.	.	.	.	.	.	.	.	.	
3.	.	.	.	.	75	125	.	.	.	.	51	.	
4.	.	.	.	.	.	75	.	.	.	.	.	.	
5.	.	.	.	.	52	111	.	.	.	.	.	15	
6.	5	.	.	.	.	52	.	.	.	.	.	.	
7.	.	11	.	.	.	.	.	.	.	.	75	.	
8.	.	.	.	.	.	.	37	.	.	.	.	.	
9.	2	.	.	.	.	.	.	.	.	.	.	.	
10.	.	3	.	.	.	.	.	.	.	.	.	.	
Jumlah													
11.	7	.	.	21	.	4	.	.	95	.	.	.	
12.	.	.	.	.	.	5	15	.	.	.	.	11	
13.	.	.	.	.	.	.	.	.	105	.	.	.	
14.	.	.	.	.	.	.	.	.	.	.	.	.	
15.	.	.	.	.	.	17	.	.	.	.	.	.	
16.	.	.	.	.	.	.	.	.	.	.	.	.	
17.	.	.	.	.	.	4	17	.	.	.	.	.	
18.	.	.	.	.	.	8	.	.	.	.	.	.	
19.	.	.	5	.	.	51	.	.	.	.	.	5	
20.	.	.	.	.	.	47	.	.	.	.	.	.	
Jumlah													
21.	.	.	.	25	.	32	.	.	.	.	.	.	
22.	.	.	2	.	.	9	11	.	.	.	.	.	
23.	.	.	.	.	.	8	.	.	.	.	.	78	
24.	.	.	.	.	67	4	.	.	.	.	.	.	
25.	.	.	.	35	.	.	.	.	.	.	.	.	
26.	1	.	15	.	.	11	8	.	.	.	55	.	
27.	.	.	21	115	.	.	.	.	.	.	.	.	
28.	.	.	.	37	10	.	.	.	.	.	.	3	
29.	.	.	.	.	.	.	.	.	.	.	.	.	
30.	.	.	12	41	.	.	.	.	9	.	.	.	
31.	.	.	.	.	.	.	.	.	.	.	.	.	
Jumlah													
Jumlah per bulan	15	14	23	274	210	590	22	+	209	+	101	52	
Jumlah hari hujan	4	2	5	2	4	12	6	-	3	-	3	5	
Rate-Rata													
Hujan Max.													
Tanggal													

Keterangan :  
 . Tidak ada hujan  
 - Tidak ada data  
 x Alat rusak

hujan dicatat dalam mm  
 T.D.M.L : Tinggi diatas muka laut  
 ○ : STA. NO. OF. MASTER PLAN

PENCATATAN CURAH HUJAN

No. Stasiun : 4046

Nama : PARIK

Kab. WAJO Kec. \_\_\_\_\_

Desa \_\_\_\_\_

Lintang \_\_\_\_\_

Bujur \_\_\_\_\_

Tahun: 1980

0 1 "

0 1 " T.M.L.

Tanggal Pencatatan	Jan.	Feb.	Mar.	Apr.	Mei.	Jun.	Jul.	Agt.	Sep.	Okt.	Nov.	Des.	KEMERANGAN
1.	.	.	.	.	.	.	.	.	.	.	.	.	LIPIET
2.	.	.	.	45	.	.	.	.	.	.	.	.	
3.	.	.	.	.	22	41	.	.	.	.	.	.	
4.	.	.	.	57	.	.	.	21	.	.	.	.	
5.	.	.	.	20	25	.	.	.	.	.	.	.	
6.	.	.	.	.	.	.	.	15	.	.	.	.	
7.	.	.	21	.	62	23	.	.	.	.	.	.	
8.	.	.	.	.	.	.	.	25	.	.	.	5	
9.	3	.	.	55	.	.	.	.	.	.	.	.	
10.	.	.	.	.	18	27	.	.	.	.	.	.	
Jumlah													
11.	.	.	.	75	.	.	.	.	.	.	.	.	
12.	.	.	10	.	18	.	.	.	.	.	.	.	
13.	.	.	.	.	.	42	.	.	.	.	.	.	
14.	.	.	.	.	.	.	.	.	.	.	.	.	
15.	.	5	.	.	28	.	.	.	.	.	.	.	
16.	.	.	.	.	.	67	.	.	.	.	.	.	
17.	.	.	.	43	.	.	.	5	.	.	.	.	
18.	.	.	.	.	21	.	.	.	.	.	.	.	
19.	.	.	.	.	.	93	.	3	.	.	.	.	
20.	.	.	.	82	.	.	.	.	.	.	.	45	
Jumlah													
21.	5	.	.	.	.	.	5	.	.	.	.	.	
22.	.	.	4	.	35	75	72	.	.	.	.	.	
23.	.	.	.	.	.	.	.	.	.	25	.	20	
24.	.	.	.	34	.	.	.	.	.	.	35	.	
25.	.	.	.	.	.	15	.	3	.	.	47	15	
26.	.	.	.	.	75	.	.	.	.	5	.	.	
27.	.	1	.	25	.	.	.	.	.	.	4	.	
28.	.	.	15	.	.	55	.	2	.	.	.	.	
29.	.	.	.	.	47	.	.	.	.	.	.	.	
30.	.	.	.	.	95	22	.	.	.	.	.	.	
31.	.	.	.	.	.	.	.	.	.	.	.	.	
Jumlah													
Jumlah per bulan	5	6	50	460	446	471	23	74	.	30	26	25	
Jumlah hari hujan	1	2	4	9	11	10	2	7	.	2	3	4	
Rata-Rata	5	3	12.5	51.1	40.5	47.1	11.5	10.5	.	15	28.6	21.2	
Hujan Max.	5	5	41	82	95	92	72	25	.	25	42	45	
Tanggal	21	15	7	20	30	19	22	8	.	23	25	20	

Keterangan :  
 . Tidak ada hujan  
 - Tidak ada data  
 x Alat rusak

Hujan dicatat dalam mm  
 T.D.N.L : Tinggi diatas muka laut

**PENCATATAN CURAH HUJAN**

No. Stasiun : 404E  
 Nama : PARIK  
 Kab. WADO Kec. : \_\_\_\_\_ Desa \_\_\_\_\_

Tahun: 1981

Lintang: \_\_\_\_\_ " \_\_\_\_\_  
 Bujur: \_\_\_\_\_ " TDKL \_\_\_\_\_

Tanggal Pencatatan	Jan.	Feb.	Mar.	Apr.	Mei.	Jun.	Jul.	Agt.	Sep.	Okt.	Nov.	Des.	KETERANGAN
1.	.	.	20	.	31	—							
2.	.	.	.	45	15	—							
3.	.	.	32	72	.	—							
4.	.	1	15	.	.	—							
5.	.	.	.	21	42	—							
6.	.	2	.	.	.	—							
7.	.	.	.	53	21	—							
8.	.	.	.	.	.	—							
9.	.	5	.	.	.	—							
10.	.	.	75	45	.	—							
Jumlah													
11.	.	.	.	.	57	.							
12.	.	.	.	.	11	.							
13.	.	.	.	25	15	.							
14.	.	.	.	.	.	.							
15.	.	.	.	.	41	3							
16.	.	.	.	.	.	2							
17.	.	.	.	37	27	2							
18.	.	.	.	.	135	19							
19.	.	.	.	.	.	30							
20.	.	.	11	23	.	.							
Jumlah													
21.	.	.	.	.	5	56							
22.	.	.	.	.	.	4							
23.	.	.	.	.	.	2							
24.	.	.	25	.	.	.							
25.	.	15	31	81	.	4							
26.	.	.	.	.	7	3							
27.	.	.	23	7	11	.							
28.	.	.	.	.	.	4							
29.	.	.	.	15	.	2							
30.	.	.	.	.	.	.							
31.	.	.	.	.	.	.							
Jumlah													
Jumlah per bulan	.	23	232	424	412	131							
Jumlah hari hujan	.	4	8	11	13	12							
Rate-Rata	.	5.7	29	38.5	32.1	10.9							
Hujan Max.		15	75	81	135	30							
Tanggal		25	12	25	12	21							

Keterangan :  
 • Tidak ada hujan  
 - Tidak ada data  
 x Alat rusak  
 hujan dicatat dalam mm  
 T.D.M.L : Tinggi diatas muka laut

1975. (1975) - 6 -

DISCHARGE DURATION AT BULU-CENRANA (2) IN THE BOYA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1										10.50	11.70	7.90
2										25.10	25.10	150.90
3										31.20	14.50	20.50
4										16.70	9.90	31.60
5										29.70	16.30	15.60
6										13.50	12.00	14.50
7										34.90	8.90	9.90
8										66.00	10.00	16.70
9										75.60	15.60	42.50
10										25.50	10.50	9.20
11										16.10	9.20	8.20
12										9.90	8.90	11.70
13										8.60	8.20	10.60
14										7.90	11.70	9.60
15										7.90	9.90	12.10
16										13.80	9.20	10.50
17										15.70	8.20	26.60
18										15.70	6.70	21.50
19										9.90	7.00	16.70
20										8.20	6.40	9.60
21										7.50	6.20	8.20
22										6.70	6.70	7.90
23										8.20	6.20	8.20
24										10.60	9.90	9.90
25										8.20	6.70	8.20
26										25.60	8.20	7.90
27										15.10	6.40	6.70
28										11.50	9.90	7.00
29										8.20	7.00	7.60
30										9.90	6.40	6.40
31										6.70	6.40	6.20
SUM.										522.50	325.10	550.60
MEAN										17.825	9.437	16.794
MAX.										9	2	2
MIN.										75.40	25.10	150.90
										22	24	31
										9.70	9.90	6.20
												5.900
SAIDAI												
MOOSUI												
HETSUI												
TEISUI												
KASSUI												
SAISMO												
1										32.560	15.210	29.970
2										11.170	8.560	15.670
3										9.727	6.560	7.655
4										26.180	12.100	41.360
5										42.560	11.520	18.560
6										10.480	9.580	10.440
7										11.860	7.500	16.900
8										8.200	8.560	8.480
9										11.000	6.780	6.967

1975. (1975) - 0 -

DISCHARGE DURATION AT BULU-CENRANA (2) IN THE BOYA RIVER

	24	101	151	201	251	301	351
1	9.20	11.11	11.11	11.11	11.11	11.11	11.11
2	9.20	11.16	11.16	11.16	11.16	11.16	11.16
3	9.20	11.10	11.10	11.10	11.10	11.10	11.10
4	9.20	11.17	11.17	11.17	11.17	11.17	11.17
5	9.20	11.12	11.12	11.12	11.12	11.12	11.12
6	9.20	11.13	11.13	11.13	11.13	11.13	11.13
7	9.20	10.20	10.20	10.20	10.20	10.20	10.20
8	9.20	10.23	10.23	10.23	10.23	10.23	10.23
9	9.20	10.25	10.25	10.25	10.25	10.25	10.25
10	9.20	10.29	10.29	10.29	10.29	10.29	10.29
11	9.20	11.17	11.17	11.17	11.17	11.17	11.17
12	9.20	11.17	11.17	11.17	11.17	11.17	11.17
13	9.20	11.26	11.26	11.26	11.26	11.26	11.26
14	9.20	11.11	11.11	11.11	11.11	11.11	11.11
15	9.20	11.23	11.23	11.23	11.23	11.23	11.23
16	9.20	11.23	11.23	11.23	11.23	11.23	11.23
17	9.20	11.23	11.23	11.23	11.23	11.23	11.23
18	9.20	11.23	11.23	11.23	11.23	11.23	11.23
19	7.90	10.12	10.12	10.12	10.12	10.12	10.12
20	7.90	10.12	10.12	10.12	10.12	10.12	10.12
21	7.90	10.12	10.12	10.12	10.12	10.12	10.12
22	7.90	10.21	10.21	10.21	10.21	10.21	10.21
23	7.90	10.22	10.22	10.22	10.22	10.22	10.22
24	7.90	10.22	10.22	10.22	10.22	10.22	10.22
25	7.90	10.22	10.22	10.22	10.22	10.22	10.22
26	7.90	10.22	10.22	10.22	10.22	10.22	10.22
27	7.90	10.22	10.22	10.22	10.22	10.22	10.22
28	7.90	10.22	10.22	10.22	10.22	10.22	10.22
29	7.90	10.22	10.22	10.22	10.22	10.22	10.22
30	7.90	10.22	10.22	10.22	10.22	10.22	10.22
31	7.90	10.22	10.22	10.22	10.22	10.22	10.22
32	7.90	10.22	10.22	10.22	10.22	10.22	10.22
33	7.90	10.22	10.22	10.22	10.22	10.22	10.22
34	7.90	10.22	10.22	10.22	10.22	10.22	10.22
35	7.90	10.22	10.22	10.22	10.22	10.22	10.22
36	7.90	10.22	10.22	10.22	10.22	10.22	10.22
37	7.90	10.22	10.22	10.22	10.22	10.22	10.22
38	7.90	10.22	10.22	10.22	10.22	10.22	10.22
39	7.90	10.22	10.22	10.22	10.22	10.22	10.22
40	7.90	10.22	10.22	10.22	10.22	10.22	10.22
41	7.90	10.22	10.22	10.22	10.22	10.22	10.22
42	7.90	10.22	10.22	10.22	10.22	10.22	10.22
43	7.90	10.22	10.22	10.22	10.22	10.22	10.22
44	7.90	10.22	10.22	10.22	10.22	10.22	10.22
45	7.90	10.22	10.22	10.22	10.22	10.22	10.22
46	7.90	10.22	10.22	10.22	10.22	10.22	10.22
47	7.90	10.22	10.22	10.22	10.22	10.22	10.22
48	7.90	10.22	10.22	10.22	10.22	10.22	10.22
49	7.90	10.22	10.22	10.22	10.22	10.22	10.22
50	7.90	10.22	10.22	10.22	10.22	10.22	10.22

DISCHARGE DURATION AT BULU-CENMANA (2) IN THE BOYA RIVER 1976. (1976)

	1	51	101	151	201	251	301	351					
1	231.10	4 23	21.80	3 18	18.60	5 25	12.50	1 21	6.20	1 18	2.10	10 17	8 24
2	145.00	7 9	31.40	7 27	18.60	6 26	12.50	1 19	6.20	1 18	2.10	10 17	8 24
3	150.90	7 10	31.10	7 27	18.60	6 26	12.50	1 19	6.20	1 18	2.10	10 17	8 24
4	104.50	7 10	30.50	7 26	18.60	6 26	12.50	1 19	6.20	1 18	2.10	10 17	8 24
5	100.10	5 8	30.50	4 19	16.10	5 18	12.50	1 18	6.20	1 17	2.10	10 16	8 23
6	92.60	5 6	29.50	5 24	16.10	5 18	12.50	1 18	6.20	1 17	2.10	10 16	8 23
7	87.20	5 14	29.50	6 24	16.10	5 18	12.50	1 18	6.20	1 17	2.10	10 16	8 23
8	80.20	5 17	28.10	7 11	16.10	5 18	12.50	1 18	6.20	1 17	2.10	10 16	8 23
9	73.40	7 11	28.10	7 8	17.00	7 23	11.70	3 21	6.20	5 24	1.80	10 12	9 16
10	65.10	5 12	27.50	5 21	17.60	2 25	11.70	3 21	6.20	5 24	1.80	10 12	9 16
11	57.90	5 14	27.50	7 9	17.60	4 12	11.70	6 7	6.20	5 24	1.80	10 12	9 16
12	59.00	5 14	27.00	5 22	17.60	4 12	11.70	6 7	7.90	5 24	1.80	10 12	9 16
13	59.00	6 20	27.00	7 17	17.20	5 10	11.70	11 24	7.90	5 24	1.80	10 12	9 16
14	58.20	6 20	26.80	5 27	17.20	5 10	11.70	11 24	7.90	5 24	1.80	10 12	9 16
15	57.30	5 19	26.80	5 27	17.20	5 10	11.70	11 24	7.90	5 24	1.80	10 12	9 16
16	57.30	6 27	26.30	5 29	16.70	5 10	11.70	11 24	7.90	5 24	1.80	10 12	9 16
17	52.80	6 27	26.30	5 29	16.70	5 10	11.70	11 24	7.90	5 24	1.80	10 12	9 16
18	52.40	6 30	24.70	4 5	16.70	4 16	11.30	11 20	7.60	5 24	1.80	10 12	9 16
19	50.00	5 25	24.70	6 21	16.70	4 16	11.30	11 20	7.60	5 24	1.80	10 12	9 16
20	50.00	6 26	24.20	5 25	16.70	4 16	11.30	11 20	7.60	5 24	1.80	10 12	9 16
21	49.20	1 7	23.90	1 17	16.70	6 19	11.00	4 29	7.00	5 24	1.80	10 12	9 16
22	46.70	6 17	23.10	6 25	16.70	12 14	11.00	11 20	7.60	5 24	1.80	10 12	9 16
23	47.70	7 12	23.10	7 18	16.70	12 14	11.00	11 20	7.60	5 24	1.80	10 12	9 16
24	48.70	7 15	23.10	7 22	16.30	10 10	11.00	12 19	7.60	5 24	1.80	10 12	9 16
25	48.70	7 15	22.90	5 20	16.30	10 10	11.00	12 19	7.60	5 24	1.80	10 12	9 16
26	44.00	6 8	22.00	6 10	16.30	10 10	11.00	12 19	7.60	5 24	1.80	10 12	9 16
27	40.40	1 6	22.00	6 10	16.30	10 10	11.00	12 19	7.60	5 24	1.80	10 12	9 16
28	40.40	1 15	22.00	7 15	15.40	9 19	10.00	6 12	7.00	5 24	1.80	10 12	9 16
29	40.40	6 25	21.50	1 10	15.40	9 19	10.00	6 12	7.00	5 24	1.80	10 12	9 16
30	39.70	4 4	21.50	5 22	15.40	9 19	10.00	6 12	7.00	5 24	1.80	10 12	9 16
31	39.70	4 20	21.50	5 22	15.40	9 19	10.00	6 12	7.00	5 24	1.80	10 12	9 16
32	39.70	5 11	21.50	7 10	14.50	8 26	10.00	5 02	7.00	5 24	1.80	10 12	9 16
33	39.00	5 8	20.50	7 21	14.50	8 26	10.00	5 02	7.00	5 24	1.80	10 12	9 16
34	39.00	5 15	20.50	7 24	14.50	8 26	10.00	5 02	7.00	5 24	1.80	10 12	9 16
35	38.50	4 15	20.00	6 22	14.10	8 23	10.00	5 02	7.00	5 24	1.80	10 12	9 16
36	38.50	4 15	20.00	6 22	14.10	8 23	10.00	5 02	7.00	5 24	1.80	10 12	9 16
37	38.50	12 18	19.50	7 11	13.70	8 27	9.90	5 02	7.00	5 24	1.80	10 12	9 16
38	38.50	12 18	19.50	7 11	13.70	8 27	9.90	5 02	7.00	5 24	1.80	10 12	9 16
39	37.00	11 15	19.00	6 24	13.70	8 27	9.90	5 02	7.00	5 24	1.80	10 12	9 16
40	36.90	11 21	19.00	6 24	13.70	8 27	9.90	5 02	7.00	5 24	1.80	10 12	9 16
41	36.90	6 15	19.00	6 25	13.70	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
42	36.90	6 15	19.00	6 25	13.70	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
43	36.90	6 15	19.00	6 25	13.70	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
44	36.90	6 15	19.00	6 25	13.70	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
45	36.90	2 28	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
46	36.90	6 14	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
47	36.90	6 14	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
48	36.90	6 14	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
49	36.90	6 14	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16
50	36.90	6 14	19.00	7 12	13.30	11 10	9.90	5 02	7.00	5 24	1.80	10 12	9 16

DISCHARGE DURATION AT BULU-CENRANA (2) IN THE BOYA RIVER

1977 (1977)

0

	1	2	3	4	5	6	7	8	9	10	11	12
1	14.90	-	-	67.90	24.80	16.60	-	-	2.40	0.20	0.70	9.00
2	12.50	-	-	60.80	17.20	6.80	-	-	2.20	0.20	2.60	6.50
3	11.20	-	-	39.10	15.40	6.80	-	-	2.20	0.20	4.70	6.50
4	16.70	-	17.70	44.80	28.80**	8.90	-	-	2.10	0.50	4.90	7.40
5	26.10**	-	16.80	28.20	17.20	5.70	-	-	2.10	0.20	2.20	6.00
6	20.30	-	23.50	25.70	17.30	4.20	-	-	2.10	0.20	2.20	7.70
7	23.80	-	23.20	28.20	18.20	6.30	-	-	2.80	0.20	2.80	27.60
8	17.20	-	19.10	21.60	21.60	6.20	-	-	2.60	0.20	3.60	46.50**
9	22.10	-	15.40	23.00	13.00	11.40	-	-	3.60	0.20	3.60	43.50
10	7.00	-	-	51.80	10.70	11.80	-	-	3.50	0.20	3.50	43.50
11	3.90	-	-	-	-	11.40	-	-	4.50**	0.20	3.00	23.70
12	11.70	-	-	-	-	23.90	-	-	1.20	0.20	-	-
13	9.60	-	-	-	-	17.70	-	-	0.20	0.20	-	-
14	9.60	-	-	-	-	6.80	5.20	-	0.20	0.20	-	-
15	6.40	-	-	25.90	-	36.60	4.90	-	0.20	0.20	-	-
16	5.40	-	-	91.00**	-	19.60	4.20	-	0.20	0.20	-	20.00
17	3.60	-	-	1.60	-	21.10	4.20	-	0.20	0.20	-	23.70
18	7.60	-	-	30.00	-	21.10	4.20	-	0.20	0.20	-	22.00
19	6.20	-	-	19.50	-	22.10	4.20	-	0.20	0.20	-	20.10
20	7.50	-	-	18.20	-	46.50	4.20	-	0.20	0.20	-	12.20
21	6.20	-	-	24.80	-	34.90	3.60	-	0.20	0.20	-	15.40
22	5.60	-	-	28.80	-	45.30	8.90**	-	0.20	0.20	-	23.70
23	5.40	-	-	-	-	20.60	6.30	-	0.20	0.20	-	19.60
24	5.90	-	-	-	-	11.40	3.80	-	0.20	0.20	-	26.30
25	8.90	-	36.40	-	-	9.00	2.80	-	0.20	0.20	10.00	20.60
26	6.70	-	34.10**	-	-	8.60	2.60	-	0.20	0.20	9.30	20.10
27	6.20	-	-	-	-	7.70	2.40	-	0.20	0.20	8.90	15.00
28	12.10	-	-	14.60	-	6.30	2.40	-	0.20	0.20	10.70	15.00
29	8.60	-	-	23.90	-	7.40	2.40	-	0.20	0.20	13.70	19.60
30	16.50	-	-	92.60	-	11.00	2.40	-	0.40	0.20	14.60**	21.10
31	12.10	-	-	6.20	-	6.20	2.40	-	0.20	0.20	23.50	23.50
SUM.	331.30	-	198.60	820.70	228.10	641.20	71.30	-	27.70	14.90	110.20	224.80
MEAN	10.687	-	26.275	39.051	14.236	21.373	3.941	-	1.063	0.481	6.222	19.437
MAX.	26.10	-	34.10	98.00	28.80	101.30	8.90	-	11.40	20	30	46.30
MIN.	5.40	-	5	14.60	6.20	4.40	2.40	-	0.20	0.20	0.20	6.50

SAIDAI MOOSUI WEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	15.50	-	18.027	37.070	18.230	8.330	-	-	2.185	0.300	3.000	17.060
2	7.980	-	43.885	43.885	37.060	4.445	-	-	0.970	0.600	3.000	22.030
3	9.028	-	43.230	37.340	7.130	18.330	3.025	-	0.490	0.355	10.971	20.175
4	16.740	-	17.230	46.190	20.980	9.000	-	-	2.200	0.200	3.200	7.600
5	14.480	-	18.400	23.980	16.260	8.000	-	-	2.100	0.200	3.840	26.320
6	8.640	-	-	23.900	32.040	5.020	-	-	1.440	0.340	3.000	23.700
7	6.220	-	-	47.480	4.200	42.060	4.200	-	2.170	0.660	-	21.720
8	6.400	-	36.400	26.800	5.220	28.600	5.220	-	0.300	0.180	9.800	21.160
9	11.320	-	44.140	44.140	4.140	44.140	4.140	-	0.440	0.440	0.440	0.440



DISCHARGE DURATION AT BULUCENANA (2) IN THE BOYA RIVER - 0 - 1977. (1977)

	51	101	151	201	251	301	351
12	10.00	9.20	4.20	0.30	0.25	0.25	0.25
13	10.00	6.90	3.80	0.30	0.25	0.25	0.25
14	10.00	6.90	3.80	0.30	0.25	0.25	0.25
15	10.00	6.90	3.80	0.30	0.25	0.25	0.25
16	10.00	6.90	3.80	0.30	0.25	0.25	0.25
17	10.00	6.90	3.80	0.30	0.25	0.25	0.25
18	10.00	6.90	3.80	0.30	0.25	0.25	0.25
19	10.00	6.90	3.80	0.30	0.25	0.25	0.25
20	10.00	6.90	3.80	0.30	0.25	0.25	0.25
21	10.00	6.90	3.80	0.30	0.25	0.25	0.25
22	10.00	6.90	3.80	0.30	0.25	0.25	0.25
23	10.00	6.90	3.80	0.30	0.25	0.25	0.25
24	10.00	6.90	3.80	0.30	0.25	0.25	0.25
25	10.00	6.90	3.80	0.30	0.25	0.25	0.25
26	10.00	6.90	3.80	0.30	0.25	0.25	0.25
27	10.00	6.90	3.80	0.30	0.25	0.25	0.25
28	10.00	6.90	3.80	0.30	0.25	0.25	0.25
29	10.00	6.90	3.80	0.30	0.25	0.25	0.25
30	10.00	6.90	3.80	0.30	0.25	0.25	0.25
31	10.00	6.90	3.80	0.30	0.25	0.25	0.25
32	10.00	6.90	3.80	0.30	0.25	0.25	0.25
33	10.00	6.90	3.80	0.30	0.25	0.25	0.25
34	10.00	6.90	3.80	0.30	0.25	0.25	0.25
35	10.00	6.90	3.80	0.30	0.25	0.25	0.25
36	10.00	6.90	3.80	0.30	0.25	0.25	0.25
37	10.00	6.90	3.80	0.30	0.25	0.25	0.25
38	10.00	6.90	3.80	0.30	0.25	0.25	0.25
39	10.00	6.90	3.80	0.30	0.25	0.25	0.25
40	10.00	6.90	3.80	0.30	0.25	0.25	0.25
41	10.00	6.90	3.80	0.30	0.25	0.25	0.25
42	10.00	6.90	3.80	0.30	0.25	0.25	0.25
43	10.00	6.90	3.80	0.30	0.25	0.25	0.25
44	10.00	6.90	3.80	0.30	0.25	0.25	0.25
45	10.00	6.90	3.80	0.30	0.25	0.25	0.25
46	10.00	6.90	3.80	0.30	0.25	0.25	0.25
47	10.00	6.90	3.80	0.30	0.25	0.25	0.25
48	10.00	6.90	3.80	0.30	0.25	0.25	0.25
49	10.00	6.90	3.80	0.30	0.25	0.25	0.25
50	10.00	6.90	3.80	0.30	0.25	0.25	0.25

1978. (1978) - 0 -

DISCHARGE DURATION AT BULUCENKANA (2) IN THE BOVA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	31.20	4.70	65.20	-	-	-	-	29.40	-	-	-	17.70
2	20.60	3.60	47.80	-	-	-	-	32.30	-	-	-	22.60
3	4.20	1.80	14.20	-	-	-	-	24.20	-	-	-	10.50
4	50.90	1.80	19.10	-	-	-	-	25.30	-	-	-	21.60
5	76.40**	1.80	23.40	-	-	-	-	26.20	-	-	-	13.30
6	34.30	1.40	25.70	-	-	-	-	30.00	-	13.70**	-	12.30
7	17.70	1.40	-	-	-	-	-	20.10	-	23.30	-	11.00
8	21.10	0.60	23.70	-	-	-	-	-	-	21.60	13.30	22.20
9	28.20	4.70	-	-	-	-	-	-	-	11.00	15.90	12.30
10	32.30	0.30	20.10	-	-	-	-	-	-	-	-	-
11	27.60	3.60	34.40	29.40	-	-	-	24.20	10.00	22.10	22.10	12.20
12	18.60	2.10	36.40	30.00**	-	-	-	36.40	9.60	19.10	10.30	10.30
13	21.60	2.10	50.10	-	-	-	-	27.00	8.90	8.90	8.90	29.40
14	22.60	3.10	19.60	-	-	-	-	30.00	8.90	10.00	10.00	30.60
15	23.20	21.40	19.10	-	-	-	-	30.00	8.90	8.00	8.00	51.70
16	74.80	12.90	21.60	-	-	-	-	23.70	10.30	14.60	15.60	39.80
17	22.10	3.20	16.70	-	-	-	-	13.70**	9.60	15.60	9.30	35.00
18	3.40	4.70	6.00	-	-	-	-	36.40	-	8.90	8.90	33.70
19	24.20	16.60	0.10	-	-	-	-	21.60	-	-	9.30	24.20
20	15.90	32.30	0.20	-	-	21.10	-	20.10	-	-	9.30	-
21	23.10	33.70	0.60	-	-	19.60	-	19.10	-	-	9.30	32.30
22	15.90	37.70	3.30	-	-	17.20	-	16.60	-	-	7.70	33.70
23	16.60	37.70	12.20	-	-	27.00	-	14.20	-	-	8.90	23.70
24	20.10	39.40**	23.20	-	-	18.60	-	14.20	-	-	8.30	21.10
25	24.20	19.10	-	-	-	17.20	-	12.90	-	-	16.30	26.30
26	24.20	11.80	-	-	-	76.40**	-	10.70	-	-	29.40**	101.30**
27	24.80	11.00	67.90	-	-	17.20	-	14.20	-	-	18.60	23.90
28	24.20	23.30	70.70	-	-	12.30	-	12.30	-	-	21.60	26.30
29	15.90	-	79.30	-	-	-	-	12.30	-	-	-	30.00
30	10.00	-	43.30**	-	-	-	-	12.30	-	-	-	17.20
31	3.90	-	27.00	-	-	-	-	12.30	-	-	-	16.80
SUM.	780.40	323.40	754.70	147.20	-	213.30	-	670.30	-	116.00	274.60	761.00
MEAN	25.174	11.836	30.188	24.383	-	26.912	-	24.826	-	10.345	13.730	26.241
MAX.	76.40	39.60	63.30	30.00	-	76.40	-	113.10	-	13.70	29.40	101.30
MIN.	3.40	0.30	0.10	19.10	-	17.20	-	10.70	-	8.90	7.70	10.30

SAIDAI MOOSUI MEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	37.230	2.130	29.350	23.625	-	-	-	26.329	-	12.450	14.200	15.300
2	20.300	9.340	20.970	29.700	-	21.400	-	26.944	-	9.437	12.610	29.636
3	18.444	27.087	40.454	-	-	27.743	-	13.827	-	-	13.012	32.236
4	44.060	2.340	33.440	20.330	-	-	-	27.120	-	12.430	14.200	19.300
5	30.400	1.720	20.100	23.700	-	-	-	29.030	-	9.160	13.620	20.625
6	22.720	4.440	32.320	24.700	-	-	-	29.400	-	9.930	11.600	36.840
7	14.240	14.420	9.620	-	-	21.100	-	42.780	-	-	10.100	27.380
8	19.420	33.600	9.875	-	-	20.120	-	13.440	-	-	10.100	27.380
9	17.300	14.233	49.640	-	-	46.600	-	12.483	-	-	23.200	36.283

DISCHARGE DURATION AT BULUCENRANA (2) IN THE ROYA RIVER

1976 (1976)

- 0 -

	31	101	151	201	251	301	351
1	115.10	0 17	25.30	0 8	17.20	0 23	9.00
2	101.30	2 26	24.80	1 16	17.20	0 27	9.00
3	83.30	3 30	24.80	1 27	17.20	0 20	9.00
4	79.30	3 29	24.80	1 19	17.20	0 23	9.00
5	78.40	1 3	24.20	1 25	16.80	0 10	8.00
6	76.80	8 28	24.20	1 28	16.80	0 22	8.00
7	70.70	3 28	24.20	1 28	16.80	0 22	8.00
8	67.90	3 27	24.20	8 3	16.30	0 25	8.00
9	65.20	3 1	24.20	8 3	16.30	0 25	8.00
10	52.50	1 0	24.20	8 12	15.90	1 20	8.00
11	51.70	1 4	23.20	2 20	15.90	1 23	8.00
12	50.90	3 15	23.70	4 8	15.90	1 19	8.00
13	47.80	3 3	23.70	8 16	15.90	1 17	8.00
14	41.20	1 3	23.70	12 23	15.40	3 3	8.00
15	37.00	3 28	23.20	1 13	14.60	5 4	8.00
16	36.80	12 17	23.20	3 24	14.60	1 10	8.00
17	36.80	3 12	22.60	1 14	14.20	3 3	8.00
18	37.70	2 22	22.10	1 11	14.20	6 23	8.00
19	37.70	3 23	22.10	1 13	14.20	8 24	8.00
20	36.10	6 12	21.60	2 16	14.20	8 27	8.00
21	35.30	12 16	21.60	4 3	13.70	10 7	8.00
22	34.00	3 11	21.60	8 19	13.30	10 8	8.00
23	34.00	8 18	21.60	11 28	13.30	12 6	8.00
24	33.70	2 21	21.60	12 3	13.30	12 7	8.00
25	33.70	12 19	21.60	12 8	13.00	16	8.00
26	33.70	12 22	21.10	1 6	13.00	6 23	8.00
27	32.00	10 10	21.10	1 17	12.50	8 28	8.00
28	32.00	2 20	21.10	1 21	12.50	8 28	8.00
29	32.00	8 2	21.10	6 20	12.50	8 28	8.00
30	32.00	12 21	21.10	12 28	12.50	8 27	8.00
31	31.20	1 1	20.60	1 3	12.50	11 9	8.00
32	30.60	12 14	20.10	1 24	12.50	12 9	8.00
33	30.00	4 12	20.10	3 10	12.20	12 9	8.00
34	30.00	8 15	20.10	8 20	12.20	12 11	8.00
35	30.00	12 29	19.60	3 14	11.80	10 8	8.00
36	29.40	4 11	19.60	3 21	11.80	10 8	8.00
37	29.60	8 1	19.10	3 23	11.80	10 8	8.00
38	29.40	11 20	19.10	3 13	11.00	12 27	8.00
39	29.40	12 13	19.10	8 8	11.00	10 10	8.00
40	28.20	1 19	19.10	11 26	11.00	12 26	8.00
41	27.60	1 11	19.10	11 12	10.70	14 20	8.00
42	27.00	3 31	18.60	1 27	10.30	12 12	8.00
43	27.00	4 23	18.60	6 27	10.00	12 10	8.00
44	27.00	4 14	18.60	11 27	10.00	10 11	8.00
45	26.50	12 25	18.20	12 17	10.00	10 14	8.00
46	26.50	12 28	17.70	4 23	9.60	10 12	8.00
47	25.90	2 28	17.70	12 2	9.60	10 12	8.00
48	25.90	12 27	17.70	12 2	9.60	10 11	8.00
49	25.90	12 27	17.70	12 2	9.60	10 11	8.00
50	25.90	12 27	17.70	12 2	9.60	10 11	8.00

DISCHARGE DURATION AT BULU-GENRANA (2) IN THE BOYA RIVER

1976. (1976)

- 0 -

	1	2	3	4	5	6	7	8	9	10	11	12
1	5.00	5.40	20.30	17.60	9.20	5.40	21.30	-	7.00	1.90	8.20	9.90
2	7.90	-	33.00	8.20	16.30	5.40	17.00	-	7.50	1.80	7.00	7.00
3	4.90	-	25.60	29.00	50.00	9.60	13.40	-	6.00	6.40	6.20	6.40
4	7.50	-	19.30	39.70	59.00	10.90	11.70	-	5.00	5.40	-	12.00
5	16.30	-	10.30	24.70	130.00	4.20	49.20	-	2.30	7.00	-	10.30
6	34.90	-	36.90	14.30	64.90	6.70	22.00	-	4.00	1.90	-	17.90
7	49.20	-	26.40	31.10	46.30	11.70	13.40	-	4.00	1.90	6.70	7.90
8	40.40	-	39.00	17.60	100.00	44.00	26.10	-	4.00	2.00	3.60	6.20
9	21.50	-	19.00	13.40	57.50	34.30	163.00	-	4.10	2.00	12.90	13.30
10	18.60	-	16.30	9.90	64.70	22.00	104.30	-	4.10	1.30	13.70	11.00
11	28.60	-	17.60	19.30	39.70	16.70	73.80	-	-	2.10	11.70	8.60
12	17.60	5.00	65.10	10.30	27.00	26.30	47.70	-	-	2.00	10.90	6.70
13	10.30	12.10	40.40	7.30	22.60	23.10	38.30	-	-	2.80	12.30	5.60
14	8.20	6.70	87.30	6.70	18.10	34.90	27.00	-	-	3.00	12.30	5.00
15	6.20	5.40	39.00	36.70	34.30	34.30	22.00	-	-	6.60	27.60	-
16	6.70	5.40	58.20	16.70	13.70	16.70	22.00	-	-	5.70	18.00	6.70
17	7.00	6.70	80.70	18.70	12.70	47.70	18.10	-	-	2.10	12.90	23.60
18	6.20	5.90	51.80	39.00	10.90	18.70	23.10	-	-	1.70	11.30	26.30
19	6.20	5.40	59.90	30.30	10.30	12.70	19.00	-	-	1.80	9.20	16.70
20	5.90	5.00	50.30	39.70	8.60	38.20	31.80	-	-	0.80	7.00	11.30
21	6.70	14.10	36.90	27.30	7.90	24.70	21.30	-	2.00	5.40	7.90	9.20
22	6.90	16.70	22.30	16.70	21.30	20.00	19.00	-	2.00	10.30	9.20	7.00
23	9.20	19.30	24.20	39.70	3.90	40.40	18.60	-	2.70	3.40	12.30	7.60
24	7.30	17.70	20.60	39.70	5.00	30.30	13.60	-	3.30	4.60	11.70	5.90
25	7.00	17.60	19.00	19.00	18.60	23.10	14.10	-	3.30	2.10	11.30	6.40
26	7.30	23.30	16.70	14.30	18.90	18.90	14.30	14.10	4.20	2.40	11.30	7.90
27	6.70	25.80	14.90	12.70	13.30	34.40	12.70	13.70	2.60	8.00	11.00	8.60
28	7.90	34.90	29.30	14.00	6.20	50.00	12.70	7.60	2.00	5.40	9.60	11.70
29	9.70	16.60	17.20	11.00	6.40	39.00	16.70	6.00	1.90	10.30	10.30	12.00
30	13.30	11.70	17.20	8.90	5.40	32.40	27.30	6.20	1.90	6.70	8.20	8.20
31	12.30	11.70	11.70	5.00	5.00	20.30	20.30	5.90	5.90	3.40	11.00	11.00
SUM.	412.00	239.40	983.40	618.00	891.40	633.30	959.10	53.90	76.80	143.30	311.40	314.60
MEAN	13.290	12.000	31.723	27.267	29.743	27.797	30.939	8.983	3.940	4.623	11.333	10.487
MAX.	49.20	34.90	87.20	331.10	130.90	59.00	163.00	14.10	7.30	16.30	37.60	38.30
MIN.	5.00	5.40	10.30	6.70	3.40	5.40	11.70	3.90	1.90	0.80	5.60	5.60

SAIGAI MOGSUI HEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	21.690	51.400	26.770	19.730	61.660	13.390	44.340	-	5.320	3.050	6.01	9.630
2	10.440	61.400	50.750	32.410	18.122	30.430	32.140	-	-	3.880	14.330	13.618
3	81.791	191.400	201.836	391.460	10.700	37.330	17.682	8.983	2.630	6.718	10.380	6.609
4	7.260	51.400	27.120	21.440	33.040	7.440	22.440	-	6.260	4.300	7.133	9.660
5	32.920	7.323	69.740	19.620	26.640	23.740	66.000	-	4.240	1.620	9.733	9.660
6	61.400	51.400	22.120	48.400	11.140	22.600	41.880	-	-	5.980	17.140	6.623
7	7.220	14.030	24.240	66.800	11.900	27.740	17.300	-	2.740	3.760	10.320	7.260
8	9.600	26.150	17.750	12.320	9.700	46.960	17.300	8.983	2.320	7.317	10.640	9.733

Year: 1979

Discharge Duration

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1		12.2		24.6		22.7	18.2	7.4	-	5.9	3.5	9.6
2		31.2		20.1		15.9	16.8	6.8	-	5.7	3.5	4.7
3		16.8		20.6		16.3	15.0	6.8	-	5.4	2.9	9.3
4		16.8		20.6		17.2	19.6	6.8	12.2	5.2	2.6	-
5		19.1				11.8	14.6	6.8	15.4	5.2	2.4	8.6
6		21.2				21.8	14.6	6.5	27.0	4.7	2.4	5.4
7	18.2	25.9				-	13.7	6.2	15.0	4.9	2.9	19.1
8	15.4	12.6				-	13.3	5.9	8.6	5.2	2.4	14.2
9	12.6	10.1			14.6		14.2	5.9	7.7	4.2	2.4	21.6
10	77.3	25.2	15.0		14.6		37.0	5.2	32.5	4.7	2.6	20.6
11	24.8	47.8	14.2		16.8		29.4	5.2	61.7	4.7	2.6	15.4
12	22.1	65.2	12.5		26.5		26.5	5.2	11.0	4.9	2.6	16.3
13	14.6	41.9	12.5		24.2		27.6	5.7	6.8	2.4	2.8	17.7
14	14.6	34.4	12.2	14.6	22.7		16.8	5.7	5.9	1.6	2.9	17.7
15	13.2	28.2	11.8	14.2	19.7		12.2	5.7	8.6	2.1	3.1	18.2
16	12.5	20.2	11.8	11.8			11.0	4.9	8.0	2.2	3.5	18.6
17	15.9	36.4	11.8	14.0			10.7	4.7	8.0	2.1	3.1	31.8
18	16.3	21.8	13.3	10.7			23.7	4.4	7.7	2.4	2.9	33.7
19	13.7	27.4		16.8	15.9		32.5	4.4	7.4	2.1	3.5	47.1
20	16.9	26.5		21.1	16.8		17.2	4.4	8.0	2.1	4.0	31.8
21	19.6	21.6		14.1	15.8		14.6	4.0	8.0	2.9	4.0	15.0
22	25.9	18.6		13.3	17.1		12.5	3.5	7.4	2.4	3.5	12.5
23	21.1	15.4		15.4	15.4	33.1	10.7	3.5	7.1	2.6	3.5	11.4
24	14.6	15.9		11.0	14.6	50.1	10.3	3.5	6.5	2.6	7.1	15.4
25	12.5	22.6		24.2	13.7	31.2	9.6	3.5	6.5	2.6	4.9	12.9
26	16.3	25.9		44.8	11.8	67.0	7.3	2.6	5.9	2.6	2.9	11.0
27	15.2	26.5		44.1	14.2	35.7	8.9	4.4	6.8	2.6	3.3	13.3
28	19.2	-		44.1	16.3	24.2	8.9	3.3	6.8	2.6	2.8	10.7
29	13.7	-		41.2	15.0	20.1	6.9	3.3	6.2	2.8	26.5	19.1
30	11.1	-		30.1	17.5	12.6	8.9	4.9	5.9	2.8	15.9	14.2
31	16.3	-		11.1	11.1	8.3	8.3	-	-	3.1	-	22.6
Max.	77.3	65.2	15.0	44.8	26.5	50.1	37.0	7.4	61.7	5.9	26.5	47.1
Ave.	19	26.9	12.8	19.5	16.5	27.4	15.8	5.2	11.8	3.4	4.4	17.3
Min.	10.1	10.2	11.8	10.7	11.4	15.7	5.3	3.3	5.9	1.6	2.4	11.7

Table MONTH DATE Discharge Duration Bulu Cenrana Boya river 1980

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	24.8	8.0	20.6						-	2.4	7.7	7.7
2	17.2	6.5	17.6						1.5	2.4	7.7	4.7
3	13.3	5.4	15.0						1.2	1.9	8.9	4.2
4	11.0	26.5	20.1						1.1	1.0	4.0	6.5
5	10.3	7.7	14.6						1.1	0.9	4.4	9.3
6	8.9	6.2	11.4						0.9	0.9	6.5	7.7
7	8.3	5.2	7.6						0.9	0.9	6.5	5.9
8	8.9	4.7	8.6						1.4	1.9	6.2	8.6
9	13.7	4.7	21.6						2.2	2.7	11.8	8.0
10	22.1	15.0	10.7						2.2	3.5	6.2	7.7
11	30.4	6.2	8.6						2.8	3.5	2.6	7.7
12	33.1	5.2	8.9						2.9	3.5	2.4	13.9
13	35.0	5.9	8.0						2.9	4.0	2.4	16.8
14	45.9	8.0	16.8						2.9	4.2	2.1	10.3
15	17.2	9.3	12.9						3.1	4.2	2.1	8.6
16	16.3	8.3	9.6						1.4	4.2	2.1	5.9
17	14.6	13.3	8.9						1.0	4.2	3.5	4.7
18	22.6	8.0	11.4						2.6	4.2	2.8	4.2
19	20.1	6.8	7.4						2.4	4.2	2.6	6.5
20	17.7	6.2	5.9						2.1	4.2	4.0	7.7
21	18.6	5.9	4.9						0.9	4.2	1.5	23.2
22	13.7	11.0	4.2						1.9	4.9	1.1	20.6
23	16.3	8.9	3.3						2.1	4.9	3.5	17.2
24	12.5	6.8	2.8						1.5	4.4	6.2	13.7
25	11.4	5.9	-						1.1	4.2	11.4	13.3
26	10.7	15.0	-						1.1	7.1	19.6	10.0
27	11.0	25.3	-						1.1	15.4	13.7	8.9
28	11.4	11.0	-						2.1	8.0	11.4	13.3
29	9.3	12.9	-						2.1	8.3	11.4	12.2
30	7.4	-	-						2.1	9.3	11.4	6.8
31	7.1	-	-						-	8.6	-	6.2
Max.	38.4	26.5	21.6						3.1	15.4	19.6	23.2
Ave.	16.4	9.3	10.8						1.82	4.4	6.2	9.8
Mini.	7.1	4.7	2.8						0.9	0.9	1.1	4.2

1981

Discharge Duration Bulu Cenrana (Boya river)

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	6.3	2.6			40.7	3.8	0.9	35.7				
2	5.4	2.6			37.0	5.4	0.8	53.3				
3	5.9	2.6			60.8	3.5	22.5					
4	6.8	3.1			44.1	2.8	23.3					
5	6.8	2.8			101.3	2.2	15.0					
6	6.8	2.9			44.1	1.9	5.9					
7	15.4	2.6			41.9	1.8	12.9					
8	12.5	2.6			56.6	1.8	8.9					
9	9.6	2.4			47.8	2.1	5.4					
10	8.3	2.6			31.2	2.2	2.8					
11	7.7	2.6			10.7	2.8	6.8					
12	9.3	2.6			57.4	1.3	5.4					
13	1.5	2.6			39.8	1.3	6.2					
14	5.4	2.6			128.6	1.2	-					
15	4.9	2.6			99.1	1.3	-					
16	4.7	2.6			8.6	1.3	-					
17	4.7	2.6			17.7	0.8	-	2.9				
18	4.7	2.6			33.1	10.3	-	2.9				
19	1.7	2.6			23.2	6.8	-	2.9				
20	1.7	2.6			18.6	0.6	8.0	3.5				
21	1.7	2.6			15.4	0.3	25.3	5.4				
22	3.5	2.6			40.5	0.3	38.4	3.8				
23	4.7	2.6			31.2	2.2	29.4	2.6				
24	3.0	2.6			17.7	3.1	28.4	3.1				
25	3.3	2.6			20.1	1.9	12.5	4.0				
26	3.3	2.6			21.6	1.8	25.3	4.0				
27	4.0	2.6			51.7	0.8	22.6	4.0				
28	4.0	2.6			53.3	0.5	21.6	4.0				
29	3.5	2.6			31.2	0.5	18.1	2.3				
30	3.1	2.6			47.0	1.1	13.1	2.9				
31	2.5	2.6			3.3	1.1	136.2	2.1				
Max.	15.4	3.1		53.3	128.6	10.3	108.1	53.3				
Ave.	5.8	2.6		31.7	36.3	2.5	32.4	8.3				
Mini.	1.5	2.4		16.8	3.5	0.3	0.8	2.1				

DISCHARGE DURATION AT BILA IN THE BILA RIVER

1973. (1973)

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	1	2	3	4	5	6	7	8	9	10	11	12	
1					20.70	26.60	182.00	27.30	11.60	28.30	28.30	9.30	
2					24.80	20.70	133.70	52.60	30.30	20.70	27.30	9.30	
3					43.10	20.70	117.90	114.20	28.30	28.30	25.70	14.10	
4					24.00	26.60	54.10	30.40	14.10	14.10	24.00	17.60	
5					24.00	24.00	67.70	54.10	12.80	12.80	18.30	29.40	
6					24.00	24.00	114.20	54.10	11.60	12.80	12.80	46.60	
7				46.60	24.00	24.00	49.20	76.70	11.60	11.60	12.30	36.40	
8				60.70	20.70	20.70	43.40	52.60	10.40	9.90	12.60	41.90	
9				64.90	20.70	20.70	35.40	24.00	20.70	9.30	12.60	49.60	
10				34.40	19.90	19.90	27.30	24.80	62.10	9.90	13.30	46.60	
11						17.60	20.70	18.30	103.20	11.60	12.80		
12						17.60	17.60	16.20	64.90	9.90	16.90	33.30	
13						19.90	96.20	13.30	29.70	8.30	18.30	28.30	
14						16.20	28.30	11.60	39.40	7.80	13.30	24.00	
15						14.10	23.70	14.80	33.10	7.30	14.10	27.30	
16						14.10	23.70	14.80	33.10	7.30	14.10	27.30	
17						12.80	63.30	14.80	30.40	6.60	12.60	28.30	
18						12.20	56.70	12.20	63.30	6.60	11.00	30.40	
19						13.30	41.90	11.60	43.10	8.30	10.40	72.10	
20						12.20	34.40	24.60	46.60	6.60	11.00	44.90	
21						10.40	28.30	26.60	34.40	9.90	9.30	33.30	
22						8.80	24.60	16.90	36.40	20.70	8.80	27.30	
23						22.30	22.30	15.30	37.30	49.20	7.80	22.30	
24						21.30	21.30	12.60	40.60	23.10	7.80	19.20	
25						19.90	19.90	14.80	38.60	14.10	9.30	17.60	
26						19.90	19.90	28.30	26.60	19.90	11.60	16.20	
27						19.10	19.10	40.60	19.90	41.90	20.70	14.80	
28						16.90	16.90	15.30	34.40	34.40	12.60	14.60	
29						16.90	16.90	15.30	30.40	32.30	12.60	20.70	
30						11.60	11.60	11.60	64.90	23.10	10.40	15.30	
31						46.60	18.30	20.70	46.60	49.00	9.30	14.20	
32						19.10	19.10	14.10	46.60	46.60	16.20	16.20	
SUM.					309.20	1402.70	798.60	1370.40	874.30	1081.30	606.00	438.80	641.30
MEAN					33.967	45.244	26.620	50.628	26.203	36.030	19.464	14.627	26.030
MAX.					9	23	27	182.00	117.90	103.20	54.10	28.30	72.10
MIN.					16.90	20.70	8.80	16.90	11.60	10.40	7.80	9.30	6.60

SAIDAI MOOSUI HEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1					33.060	24.210	46.340	50.320	24.120	14.670	19.140	30.020
2					29.167	32.710	14.630	41.370	16.440	8.330	12.900	38.026
3					26.025	49.345	40.800	26.442	18.609	33.200	11.840	18.073
4						25.800	110.740	36.340	24.960	18.880	24.600	13.940
5					34.800	23.020	62.340	44.300	33.240	10.460	13.460	44.100
6					34.167	48.000	17.080	37.740	14.880	8.980	13.120	24.323
7						37.420	43.000	18.000	43.000	7.720	10.680	43.840
8					30.367	63.420	33.000	21.680	17.700	33.340	9.060	20.340
9					24.860	27.983	44.860	30.443	19.367	41.167	14.620	16.017



DISCHARGE DURATION AT BILA IN THE BILA RIVER

1973. (1973)

	21	101	151	201	351	501	551
12.00	7	46.60	27.10	29.40	9	14	14
13.00	7	45.80	27.10	29.40	12	15	15
14.00	7	44.20	27.10	28.50	14	16	16
15.00	7	43.10	27.10	28.50	17	17	17
16.00	7	42.10	27.10	28.50	19	18	18
17.00	7	41.10	27.10	28.50	21	19	19
18.00	7	40.10	27.10	28.50	23	20	20
19.00	7	39.10	27.10	28.50	25	21	21
20.00	7	38.10	27.10	28.50	27	22	22
21.00	7	37.10	27.10	28.50	29	23	23
22.00	7	36.10	27.10	28.50	31	24	24
23.00	7	35.10	27.10	28.50	33	25	25
24.00	7	34.10	27.10	28.50	35	26	26
25.00	7	33.10	27.10	28.50	37	27	27
26.00	7	32.10	27.10	28.50	39	28	28
27.00	7	31.10	27.10	28.50	41	29	29
28.00	7	30.10	27.10	28.50	43	30	30
29.00	7	29.10	27.10	28.50	45	31	31
30.00	7	28.10	27.10	28.50	47	32	32
31.00	7	27.10	27.10	28.50	49	33	33
32.00	7	26.10	27.10	28.50	51	34	34
33.00	7	25.10	27.10	28.50	53	35	35
34.00	7	24.10	27.10	28.50	55	36	36
35.00	7	23.10	27.10	28.50	57	37	37
36.00	7	22.10	27.10	28.50	59	38	38
37.00	7	21.10	27.10	28.50	61	39	39
38.00	7	20.10	27.10	28.50	63	40	40
39.00	7	19.10	27.10	28.50	65	41	41
40.00	7	18.10	27.10	28.50	67	42	42
41.00	7	17.10	27.10	28.50	69	43	43
42.00	7	16.10	27.10	28.50	71	44	44
43.00	7	15.10	27.10	28.50	73	45	45
44.00	7	14.10	27.10	28.50	75	46	46
45.00	7	13.10	27.10	28.50	77	47	47
46.00	7	12.10	27.10	28.50	79	48	48
47.00	7	11.10	27.10	28.50	81	49	49
48.00	7	10.10	27.10	28.50	83	50	50
49.00	7	9.10	27.10	28.50	85	51	51
50.00	7	8.10	27.10	28.50	87	52	52

1976. (1974) - 0 -

DISCHARGE DURATION AT BILA IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	14.80**	6.80	5.10	6.00	9.90	21.60	34.40	16.90	12.80	24.00	-	22.30
2	13.50	7.30	4.40	6.00	12.20	9.90	22.80	19.10	21.50	26.60	-	22.30
3	14.10	5.50	4.40	4.70	10.40	8.80	28.30	16.90	31.30	19.10	-	14.80
4	12.20	4.70	5.70	8.80	8.80	6.30	19.90	14.10	26.60	16.20	-	12.20
5	11.60	4.00	4.00	10.40	11.00	6.30	16.30	12.80	20.40	26.60	-	10.40
6	11.60	5.70	4.00	17.60	7.80	7.80	16.90	11.60	23.10	28.30	-	6.80
7	11.00	-	5.70	21.50	46.00**	9.90	24.80	11.60	19.90	22.30	-	6.30
8	9.90	-	5.30	22.30	14.10	12.20	76.70	10.30	55.40	34.40	-	7.80
9	6.30	-	5.00	16.90	14.80	4.30	45.40	10.30	60.70	32.30	-	34.40
10	6.40	-	5.00	13.50	16.20	7.30	25.10	14.80	55.30	22.30	-	7.30
11	6.40	-	5.00	16.20	14.80	6.00	22.30	12.20	135.70	25.30	-	9.30
12	6.80	12.20	5.00	13.50	14.10	6.80	34.40	11.60	163.00	14.10	-	14.80
13	6.80	10.40	5.00	11.60	16.20	6.40	67.60**	10.40	204.00**	19.10	-	6.30
14	7.30	6.80	5.00	12.20	16.20	7.30	76.70	9.90	141.90	26.70	-	7.30
15	7.30	16.90**	5.00	24.80	16.20	9.90	37.30	9.90	101.40	64.30	-	6.80
16	7.30	16.90**	5.00	31.30	29.40	103.00**	25.70	9.30	121.30	121.70**	-	6.80
17	7.30	12.80	5.00	26.70**	14.80	26.60	23.10	6.80	11.90	24.00	-	10.40
18	7.80	14.10	5.00	32.80	9.90	16.20	20.70	8.80	20.40	21.50	-	21.00
19	7.80	6.00	2.90	21.50	8.80	14.80	16.90	8.80	22.30	28.60	-	7.80
20	8.30	13.50	-	14.80	12.80	25.70	35.40	8.80	18.30	21.50	-	6.40
21	8.30	11.00	2.90	12.80	7.80	13.50	19.10	6.30	13.30	21.30	-	6.40
22	7.60	10.40	2.90	11.60	11.60	12.20	13.50	6.30	24.00	24.60	-	6.00
23	8.30	8.80	-	11.00	24.40	10.40	17.60	8.80	28.30	24.60	-	5.30
24	7.30	6.30	-	6.80	24.80	24.00	17.60	19.90**	19.10	20.70	-	17.60
25	5.10	9.90	6.40	5.10	44.20	43.40	16.90	14.80	25.70	20.70	-	66.30**
26	5.10	7.80	7.30**	4.70	36.40	21.30	17.60	11.00	23.70	16.20	-	11.60
27	4.00	6.40	-	4.70	20.40	21.50	21.50	9.30	18.30	14.10	-	6.80
28	6.40	5.30	5.70	4.20	16.30	17.60	69.20	16.90	24.30	12.10	-	6.80
29	6.30	-	5.00	4.00	14.10	16.20	33.30	11.60	64.90	11.60	-	13.30
30	6.30	-	-	5.10	14.10	25.10	22.30	6.80	23.10	14.80	-	18.30
31	7.60	-	4.40	13.50	13.50	13.50	18.30	14.10	-	-	-	10.40
SUM.	263.10	211.70	96.10	423.30	573.40	303.40	990.20	377.80	1624.30	673.10	423.80	404.60
MEAN	8.487	9.204	3.696	15.110	18.497	17.372	31.942	12.187	54.130	29.103	16.339	13.032
MAX.	14.80	16.90	7.30	36.70	46.60	103.00	87.60	19.90	204.00	127.70	40.60	66.30
MIN.	4.00	3.70	2.90	4.00	7.80	6.40	13.50	6.30	12.80	11.60	6.30	5.30

SAITAI MOOSUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	11.360	5.533	3.860	12.770	16.880	9.240	34.080	16.750	31.700	25.230	34.167	16.250
2	7.260	12.400	2.989	25.360	13.320	22.350	36.050	9.850	97.120	44.030	22.080	8.490
3	7.009	8.512	4.371	7.020	22.855	20.656	24.445	11.982	29.650	18.050	10.750	15.745
4	13.240	3.690	4.320	7.180	20.460	9.380	36.780	15.960	24.320	22.300	-	20.600
5	9.440	3.700	3.400	18.360	23.300	9.100	37.380	13.340	46.680	27.960	31.167	7.900
6	6.820	12.075	3.000	15.660	15.300	7.440	21.740	10.800	149.200	37.980	20.060	9.300
7	7.700	12.660	2.975	35.420	13.160	37.660	24.360	6.900	55.060	20.080	24.100	8.460
8	7.380	9.680	4.647	9.480	24.920	21.300	17.340	12.020	22.360	22.340	12.460	20.360
9	6.717	6.567	4.660	4.540	21.130	16.600	30.367	11.950	36.700	13.760	9.020	11.900

DISCHARGE DURATION AT BILA IN THE BILA RIVER

1974 (1974)

	31	101	151	201	251	301	351								
1	204.00	9 13	504.00	9 13	101.10	8 23	14.80	0 10	11.40	10 29	9 30	11 20	9 40	22 16	1
2	163.00	9 12	204.00	9 12	90.10	9 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
3	141.00	9 14	294.00	9 14	101.10	10 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
4	133.70	9 14	294.00	11 23	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
5	127.70	10 16	283.00	11 23	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
6	121.30	9 16	283.00	9 23	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
7	103.00	9 16	283.00	9 23	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
8	87.40	7 23	264.00	11 27	101.10	9 27	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
9	84.30	10 13	264.00	9 27	101.10	9 27	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
10	76.70	7 14	264.00	9 27	101.10	11 27	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
11	74.70	7 14	264.00	11 27	101.10	11 27	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
12	69.20	7 26	264.00	11 27	101.10	11 27	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
13	68.30	12 23	257.00	9 28	101.10	9 28	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
14	64.90	9 29	257.00	7 23	101.10	9 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
15	60.70	9 29	257.00	9 23	101.10	7 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
16	56.70	5 17	257.00	9 23	101.10	7 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
17	56.70	10 14	248.00	9 23	101.10	7 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
18	53.40	9 16	248.00	9 27	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
19	52.80	4 18	248.00	9 27	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
20	52.80	4 18	248.00	9 27	101.10	11 23	14.80	0 10	11.40	12 27	8 30	11 20	9 40	22 16	1
21	32.80	7 2	248.00	10 27	90.00	9 27	13.30	0 10	9.00	9 27	8 30	11 20	9 40	22 16	1
22	32.80	7 2	248.00	10 27	90.00	9 27	13.30	0 10	9.00	9 27	8 30	11 20	9 40	22 16	1
23	32.80	7 2	248.00	9 27	90.00	9 27	13.30	0 10	9.00	9 27	8 30	11 20	9 40	22 16	1
24	43.40	9 23	248.00	10 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
25	43.40	9 23	248.00	10 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
26	43.40	9 23	248.00	11 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
27	43.40	9 23	248.00	11 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
28	43.40	9 23	248.00	11 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
29	43.40	9 23	248.00	11 23	109.00	7 23	13.30	0 10	9.00	9 23	8 30	11 20	9 40	22 16	1
30	40.80	11 10	234.00	9 27	162.00	9 27	13.30	0 10	9.00	9 27	8 30	11 20	9 40	22 16	1
31	36.60	10 19	221.00	7 11	162.00	9 11	13.30	0 10	9.00	9 11	8 30	11 20	9 40	22 16	1
32	37.50	7 15	221.00	7 11	162.00	9 11	13.30	0 10	9.00	9 11	8 30	11 20	9 40	22 16	1
33	36.40	7 26	221.00	9 19	162.00	9 19	13.30	0 10	9.00	9 19	8 30	11 20	9 40	22 16	1
34	35.40	5 23	221.00	10 17	162.00	9 17	13.30	0 10	9.00	9 17	8 30	11 20	9 40	22 16	1
35	34.40	7 11	221.00	10 17	162.00	9 17	13.30	0 10	9.00	9 17	8 30	11 20	9 40	22 16	1
36	34.40	7 11	221.00	10 17	162.00	9 17	13.30	0 10	9.00	9 17	8 30	11 20	9 40	22 16	1
37	34.40	7 12	211.00	9 19	162.00	9 19	13.30	0 10	9.00	9 19	8 30	11 20	9 40	22 16	1
38	34.40	10 16	211.00	9 19	162.00	9 19	13.30	0 10	9.00	9 19	8 30	11 20	9 40	22 16	1
39	34.40	11 14	211.00	9 29	162.00	10 29	13.30	0 10	9.00	9 29	8 30	11 20	9 40	22 16	1
40	33.30	7 20	211.00	7 27	162.00	11 27	13.30	0 10	9.00	7 27	8 30	11 20	9 40	22 16	1
41	31.30	9 10	211.00	9 20	153.00	9 20	11.00	0 10	8.00	9 20	8 30	11 20	9 40	22 16	1
42	33.30	11 17	211.00	10 21	153.00	9 21	11.00	0 10	8.00	10 21	8 30	11 20	9 40	22 16	1
43	33.30	11 17	211.00	10 21	153.00	9 21	11.00	0 10	8.00	10 21	8 30	11 20	9 40	22 16	1
44	32.30	10 9	207.00	7 18	153.00	10 18	11.00	0 10	8.00	7 18	8 30	11 20	9 40	22 16	1
45	32.30	11 2	207.00	10 25	153.00	11 25	11.00	0 10	8.00	10 25	8 30	11 20	9 40	22 16	1
46	31.30	9 13	207.00	7 28	144.00	9 28	11.00	0 10	8.00	7 28	8 30	11 20	9 40	22 16	1
47	31.30	9 13	207.00	7 28	144.00	9 28	11.00	0 10	8.00	7 28	8 30	11 20	9 40	22 16	1
48	31.30	10 17	193.00	8 28	144.00	8 28	11.00	0 10	8.00	10 17	8 30	11 20	9 40	22 16	1
49	31.30	10 17	193.00	8 28	144.00	8 28	11.00	0 10	8.00	10 17	8 30	11 20	9 40	22 16	1
50	30.40	5 27	193.00	11 21	144.00	5 21	11.00	0 10	8.00	5 27	8 30	11 20	9 40	22 16	1

DISCHARGE DURATION AT BILA IN THE BILA RIVER

1975. (1975)

	1	2	3	4	5	6	7	8	9	10	11	12
1	7.00	20.70	23.10	19.10	23.10	-	16.90	24.00	305.00	70.00	30.40	24.00
2	7.50	19.10	43.10	19.10	43.10	-	18.30	19.90	69.30	66.30	29.40	19.90
3	9.50	23.10	23.10	19.10	23.10	-	14.10	16.20	21.30	50.30	24.00	16.90
4	11.90	26.60	45.40	19.10	45.40	-	16.20	14.20	23.10	36.70	23.10	12.80
5	12.90	24.00	-	16.20	-	-	23.10	12.80	41.90	37.30	19.10	12.20
6	9.90	22.70	-	12.20	-	-	19.70	12.60	24.20	27.60	16.20	11.00
7	9.90	27.30	-	11.90	-	-	14.10	40.80	24.80	67.70	19.90	9.30
8	8.30	41.90	-	10.40	-	-	14.80	23.70	26.60	22.80	17.00	35.00
9	9.90	39.30	-	9.30	-	-	14.10	13.30	110.40	20.90	18.30	24.00
10	7.40	44.90	-	9.30	-	-	21.30	12.20	91.10	21.30	13.30	12.20
11	7.30	39.30	-	11.90	-	-	24.00	32.70	70.60	16.70	16.20	10.40
12	6.80	28.60	-	12.20	-	43.10	24.00	116.00	20.70	20.70	14.10	6.40
13	7.30	21.30	-	12.20	-	26.60	36.60	23.70	30.30	16.70	12.80	7.80
14	7.30	27.30	-	12.20	-	22.90	36.70	16.90	41.90	14.10	12.60	7.80
15	6.80	24.60	-	10.40	-	20.70	24.00	24.00	37.30	13.00	11.00	12.20
16	6.40	24.00	-	2.70	-	19.10	20.70	14.80	40.80	14.80	11.00	16.30
17	7.30	24.00	-	2.70	-	19.70	32.00	30.90	24.00	18.70	10.40	9.30
18	9.30	21.30	-	2.10	-	26.60	23.10	23.10	19.90	29.40	14.10	6.30
19	7.00	19.90	-	4.00	-	34.40	40.80	19.70	14.80	21.30	12.20	7.30
20	6.80	18.30	-	4.00	-	87.80	88.30	13.30	20.70	13.30	19.30	6.40
21	9.80	17.60	-	2.10	-	22.30	43.10	14.80	36.60	13.30	8.30	6.40
22	14.10	17.60	-	1.60	-	18.30	38.00	24.00	24.70	12.60	7.40	6.00
23	11.00	16.90	-	1.60	-	17.60	36.60	16.90	37.30	24.00	7.30	10.40
24	9.80	17.00	-	1.70	-	14.20	69.20	14.10	22.30	26.60	6.80	11.60
25	6.80	16.30	-	1.70	-	14.80	69.20	14.10	37.30	29.40	9.30	4.70
26	7.00	16.90	-	1.70	-	17.60	47.80	11.60	33.40	19.90	11.60	4.70
27	11.00	16.90	-	12.80	-	17.60	38.60	11.60	31.30	16.20	13.30	4.70
28	22.30	23.10	-	26.60	-	19.00	69.20	40.80	40.80	19.10	19.10	4.70
29	24.00	19.10	-	22.30	-	19.10	47.80	18.30	44.20	17.00	16.20	4.70
30	-	18.30	-	14.10	-	17.60	30.40	47.80	30.40	24.80	13.30	4.70
31	-	18.30	-	18.30	-	17.60	30.40	47.80	30.40	30.40	4.70	4.70
SUM.	264.60	973.80	336.70	304.10	334.70	683.00	1082.50	746.70	1417.40	896.60	643.00	352.60
MEAN	9.807	28.690	23.333	10.137	33.973	23.421	36.083	24.890	47.287	28.923	14.833	11.019
MAX.	24.40	64.90	41.90	26.60	45.40	87.40	64.50	116.00	305.00	70.60	30.40	33.40
MIN.	6.40	16.90	14.80	1.70	23.10	14.80	14.10	6	14.80	12.60	6.80	4.70

SAIDAI MOOSUL HEISUJ TEISUJ KASSUJ SAISHO

1	9.310	62.100	27.650	14.240	33.765	-	17.800	19.230	75.740	47.860	20.710	17.770
2	7.310	28.920	24.120	7.480	-	33.644	39.260	33.910	34.900	18.090	12.430	9.660
3	12.911	20.030	17.430	8.690	-	18.070	31.170	21.480	31.066	21.335	11.340	6.118
4	9.840	-	22.700	18.680	33.973	-	17.780	17.400	92.140	56.280	23.200	17.160
5	9.160	42.400	32.600	9.800	-	-	17.840	21.160	39.420	39.440	16.220	16.380
6	7.100	36.300	24.120	11.720	-	24.750	33.620	47.080	53.700	16.280	13.300	9.400
7	7.370	21.340	3.240	-	-	37.360	44.900	20.740	19.900	11.400	9.920	7.820
8	10.040	17.600	13.300	1.880	-	17.840	32.440	16.940	21.660	7.900	7.900	4.700
9	16.300	24.133	18.100	13.300	-	18.200	46.760	26.010	29.680	21.467	14.780	4.700

1975 (1975) - 0 -

DISCHARGE DURATION AT BILA IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100																																																																																																																																																																																																																													
1	305.00	9	1	36.40	0	24	24.00	12	9	19.10	11.00	11.20	11.30	11.40	11.50	12.00	12.10	12.20	12.30	12.40	12.50	13.00	13.10	13.20	13.30	13.40	13.50	14.00	14.10	14.20	14.30	14.40	14.50	15.00	15.10	15.20	15.30	15.40	15.50	16.00	16.10	16.20	16.30	16.40	16.50	17.00	17.10	17.20	17.30	17.40	17.50	18.00	18.10	18.20	18.30	18.40	18.50	19.00	19.10	19.20	19.30	19.40	19.50	20.00	20.10	20.20	20.30	20.40	20.50	21.00	21.10	21.20	21.30	21.40	21.50	22.00	22.10	22.20	22.30	22.40	22.50	23.00	23.10	23.20	23.30	23.40	23.50	24.00	24.10	24.20	24.30	24.40	24.50	25.00	25.10	25.20	25.30	25.40	25.50	26.00	26.10	26.20	26.30	26.40	26.50	27.00	27.10	27.20	27.30	27.40	27.50	28.00	28.10	28.20	28.30	28.40	28.50	29.00	29.10	29.20	29.30	29.40	29.50	30.00	30.10	30.20	30.30	30.40	30.50	31.00	31.10	31.20	31.30	31.40	31.50	32.00	32.10	32.20	32.30	32.40	32.50	33.00	33.10	33.20	33.30	33.40	33.50	34.00	34.10	34.20	34.30	34.40	34.50	35.00	35.10	35.20	35.30	35.40	35.50	36.00	36.10	36.20	36.30	36.40	36.50	37.00	37.10	37.20	37.30	37.40	37.50	38.00	38.10	38.20	38.30	38.40	38.50	39.00	39.10	39.20	39.30	39.40	39.50	40.00	40.10	40.20	40.30	40.40	40.50	41.00	41.10	41.20	41.30	41.40	41.50	42.00	42.10	42.20	42.30	42.40	42.50	43.00	43.10	43.20	43.30	43.40	43.50	44.00	44.10	44.20	44.30	44.40	44.50	45.00	45.10	45.20	45.30	45.40	45.50	46.00	46.10	46.20	46.30	46.40	46.50	47.00	47.10	47.20	47.30	47.40	47.50	48.00	48.10	48.20	48.30	48.40	48.50	49.00	49.10	49.20	49.30	49.40	49.50	50.00	50.10	50.20	50.30	50.40	50.50

1976, (1976) - 0 -

DISCHARGE DURATION AT BILA IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12	
1	6.40	3.30	6.80	3.30	3.00	2.80	24.00	19.90	3.00	2.30	6.40	10.40	
2	7.30	3.00	16.90	2.90	2.00	2.90	13.30	-	4.70	2.80	4.00	6.80	
3	6.40	3.30	6.40	2.90	2.40	3.30	6.40	6.40	3.00	2.90	3.00	9.90	
4	7.80	3.70	6.80	7.80	22.30	2.70	37.30	-	4.40	11.00	2.90	7.80	
5	8.30	3.00	6.00	2.70	22.10	2.60	9.90	-	2.00	4.40	2.80	6.00	
6	16.70	3.00	12.80	19.70	7.10	2.70	4.70	-	2.90	3.00	2.80	7.30	
7	6.80	3.00	6.80	19.90	26.40	3.30	3.70	-	2.90	4.40	4.00	7.80	
8	6.80	2.90	6.00	7.30	6.00	6.00	23.10	-	2.90	4.40	13.30	3.30	
9	6.80	2.90	3.30	5.30	19.10	19.10	23.10	-	2.80	2.90	13.30	4.40	
10	4.00	2.90	6.00	3.70	14.80	9.30	44.20	-	2.80	4.40	13.30	4.40	
11	3.70	2.90	6.00	3.70	12.80	6.80	7.30	-	-	6.70	27.30	3.70	
12	6.00	3.00	21.30	3.00	9.30	62.10	6.00	-	-	3.20	40.80	4.00	
13	3.70	3.70	32.30	3.90	9.30	25.70	18.30	-	-	3.70	21.30	3.00	
14	7.30	2.80	3.00	3.00	6.30	3.30	6.40	-	-	3.00	22.30	2.90	
15	6.00	3.00	23.10	3.30	7.80	12.80	3.30	-	-	2.90	10.40	3.00	
16	3.30	3.00	2.30	4.00	6.80	12.20	2.80	-	-	2.90	9.30	3.30	
17	4.70	3.00	4.70	17.90	6.00	11.00	2.80	-	-	2.80	10.20	2.40	
18	4.00	3.70	8.80	16.90	6.00	10.40	2.40	-	-	2.80	12.80	6.80	
19	4.00	3.70	16.90	6.80	3.30	14.10	2.70	-	2.70	2.70	10.40	6.80	
20	4.00	3.00	12.80	9.30	2.80	41.90	2.60	-	2.70	2.70	9.90	3.30	
21	3.70	3.00	12.30	4.70	2.80	16.90	2.60	-	2.70	7.80	8.30	3.10	
22	4.00	3.00	10.40	3.00	2.90	14.10	2.60	-	2.70	2.80	6.30	6.00	
23	4.00	3.00	10.40	6.40	6.40	8.80	2.60	-	2.80	4.40	9.90	6.30	
24	3.70	3.30	8.80	3.00	2.80	6.40	2.90	-	2.90	3.70	14.10	10.40	
25	3.30	3.30	4.70	6.80	2.70	3.10	2.90	-	2.70	4.00	14.80	21.30	
26	4.00	4.70	7.30	6.40	4.00	4.70	13.30	-	2.70	6.80	12.80	16.30	
27	3.30	3.70	6.80	7.30	23.10	4.00	19.90	-	2.30	6.00	10.40	10.20	
28	3.30	7.80	6.90	6.40	8.80	44.20	11.00	-	2.30	3.70	9.90	14.10	
29	3.00	6.00	7.30	3.30	4.70	37.30	6.40	-	2.30	3.00	28.30	14.80	
30	3.20	6.00	6.80	3.30	3.30	16.20	4.70	-	2.30	4.40	10.40	14.80	
31	4.70	7.80	7.80	3.30	2.90	24.80	2.80	-	11.00	11.00	13.30	13.30	
SUM.	273.00	101.60	310.40	233.40	670.60	434.70	339.10	19.90	61.60	130.70	346.00	294.10	3137.297
MEAN	3.645	3.510	10.015	7.780	21.632	14.490	10.939	19.900	2.933	4.861	11.533	9.487	9.5942
MAX.	16.20	7.80	32.30	43.10	243.00	62.10	64.20	19.90	4.70	14.60	40.80	28.30	243.000
MIN.	3.00	2.90	2.30	2.90	2.70	2.60	2.60	19.90	2.30	2.30	2.80	2.90	2.30

SAIDAI MOOSUI MEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	6.080	3.170	8.260	9.470	48.680	7.230	19.010	19.900	3.240	4.270	5.730	7.230
2	3.170	13.270	11.210	7.440	20.430	9.310	-	-	2.700	3.840	17.990	6.040
3	3.864	4.132	6.700	9.260	9.945	15.790	6.336	-	2.650	6.327	10.680	14.243
4	7.240	3.260	6.340	4.140	39.460	3.220	16.260	19.900	3.620	4.720	3.820	6.280
5	8.220	2.940	7.820	9.300	37.900	11.240	19.760	-	2.860	3.820	7.040	6.020
6	5.980	3.100	17.400	11.300	9.340	4.260	-	-	2.700	2.740	24.300	3.320
7	4.360	3.240	9.140	10.920	5.300	2.760	-	-	2.700	2.740	11.440	9.960
8	3.740	3.340	9.980	3.160	3.320	10.260	2.720	-	2.760	6.940	11.080	10.260
9	3.967	3.330	7.630	5.340	13.300	13.345	13.345	-	2.340	3.817	10.680	17.367

DISCHARGE DURATION AT BILA IN THE BILA RIVER

1976 (1976) - 0 -

	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
1	245.00	5	0	14.60	12.20	8.80	5.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	75.10	5	0	14.16	9.10	6.00	3.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	42.10	6	12	14.16	6.22	4.80	2.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	49.00	5	9	14.16	11.24	6.80	12.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	44.00	5	24	14.16	12.24	6.80	12.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	44.20	5	26	13.30	7.21	6.30	11.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	45.20	7	10	13.30	7.24	6.30	11.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	41.00	4	11	13.30	7.24	6.30	11.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	41.00	4	20	13.30	11.9	6.30	11.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	40.80	1	12	13.30	11.10	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	37.50	6	20	13.30	12.31	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	37.50	7	4	12.60	3.0	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	32.50	3	13	12.60	3.20	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	29.40	3	17	12.60	6.25	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	28.50	12	24	12.60	11.24	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	27.50	12	24	12.60	11.24	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	27.50	6	14	11.60	3.6	7.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	24.80	7	3	11.60	3.14	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	24.00	7	3	11.60	4.17	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	24.00	7	3	11.60	4.17	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	24.00	7	3	11.60	4.17	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	24.00	12	17	11.00	7.24	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	23.10	3	13	11.00	10.34	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	23.10	3	22	11.00	10.34	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	23.10	7	9	10.40	3.22	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	23.10	7	9	10.40	3.22	7.30	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	22.50	5	4	10.40	11.19	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	21.50	11	14	10.40	11.19	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	21.50	3	12	10.40	11.24	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	21.50	11	23	10.40	11.24	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	19.00	4	7	10.40	12.24	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	19.00	5	7	9.00	3.24	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	19.00	7	27	9.00	3.12	6.80	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	19.00	4	1	9.00	7.3	6.80	10.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	19.10	6	9	9.00	10.120	6.80	12.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	18.50	7	13	9.00	11.24	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	18.50	7	13	9.00	11.24	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	17.60	3	17	9.00	11.24	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	16.90	3	2	9.00	11.2	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	16.90	3	2	9.00	11.2	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	16.90	3	19	9.00	3.20	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	16.90	4	14	9.00	3.15	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	16.90	4	21	9.00	3.15	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	16.20	1	0	9.00	3.10	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	16.20	4	20	9.00	11.14	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	16.20	11	17	8.60	1.7	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	16.20	17	27	8.60	3.14	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	16.80	3	10	8.60	3.14	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	16.80	10	27	8.60	3.14	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	16.80	11	25	8.60	3.24	6.40	11.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DISCHARGE DURATION AT BILA IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	13.50	7.50	91.10**	19.90	24.00	19.90	17.60	3.10	2.70**	3.00**	2.90	5.10
2	11.00	6.80	79.80	14.80	19.10	17.60	15.10	5.10	2.70**	2.70	2.20	9.50
3	39.30**	6.40	32.80	16.90	23.10	35.60**	12.80	12.80	2.70**	2.70	2.20	5.10
4	41.90	6.00	29.40	37.50	24.00	13.50	11.00	11.00	2.60	2.60	2.20	8.80
5	21.50	5.50	21.50	21.50	16.20	9.50	11.90	9.50	2.60	2.60	2.20	6.80
6	12.80	5.10	14.30	25.70	11.00	8.30	9.30	7.30	2.60	2.60	2.20	6.40
7	9.90	4.70	19.90	36.40	12.60	9.30	7.30	7.30	2.60	2.60	2.20	16.20
8	9.90	4.70	24.80	39.70	16.90	7.30	6.40	6.40	2.60	2.60	2.20	30.40
9	8.80	4.30	22.50	32.50	19.10	6.80	7.30	6.80	2.60	2.60	2.20	30.40
10	7.50	3.80	22.80	15.50	17.60	6.40	6.40	17.60	2.60	2.60	2.20	27.50
11	6.40	3.40	21.00	11.00	10.40	6.40	6.40	10.40	2.60	2.60	2.20	10.40
12	6.40	3.40	21.00	11.00	10.40	6.40	6.40	10.40	2.60	2.60	2.20	10.40
13	5.10	3.00	24.80	16.90	11.00	6.40	6.40	10.40	2.60	2.60	2.20	10.40
14	4.70	2.70	19.10	11.00	14.20	9.30	7.30	13.50	2.50	2.50	2.20	105.00
15	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
16	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
17	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
18	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
19	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
20	4.40	2.50	22.50	16.90	16.40	7.30	7.30	13.50	2.50	2.50	2.20	105.00
21	3.00	2.10	15.50	12.20	14.10	6.80	6.80	7.30	2.50	2.50	2.20	44.20
22	3.70	2.80	20.70	12.80	12.20	6.80	6.80	6.80	2.50	2.50	2.20	45.10
23	4.40	3.40	22.50	13.50	9.90	6.80	6.80	6.80	2.50	2.50	2.20	38.60
24	4.00	3.00	18.30	14.80	6.50	6.80	6.80	6.80	2.50	2.50	2.20	17.40
25	4.00	3.00	12.80	13.50	6.50	6.50	6.50	6.50	2.50	2.50	2.20	9.90
26	3.50	2.50	10.40	12.60	6.50	6.50	6.50	6.50	2.50	2.50	2.20	17.60
27	3.00	2.10	11.00	12.60	9.50	6.80	6.80	6.80	2.50	2.50	2.20	15.50
28	3.00	2.10	8.80	14.10	9.50	6.40	6.40	6.40	2.50	2.50	2.20	11.60
29	3.00	2.10	14.10	14.80	9.50	5.50	5.50	5.50	2.40	2.40	2.20	24.00
30	3.00	2.10	23.70	12.20	8.80	6.00	6.00	6.00	2.40	2.40	2.20	21.50
31	3.00	2.10	16.90	14.90	14.10	5.10	5.10	5.10	2.40	2.40	2.20	12.80
SUM.	277.00	240.30	683.90	532.40	773.80	327.80	411.40	76.30	74.50	72.60	921.40	4623.293
MEAN	9.233	7.752	29.530	17.174	25.793	10.574	13.271	2.543	2.403	2.420	30.697	13.7607
MAX.	59.30	19.10	91.10	59.70	178.00	35.40	103.20	2.70	3.00	4.40	15	189.000
MIN.	3.00	2.80	8.80	9.30	6.30	4.40	2.80	2.40	2.20	2.20	3.10	2.200

SAJDAI HOOSUI WEISUI TEISUI KASSUI SATSHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	19.50	5.570	39.670	25.110	18.340	13.640	9.350	2.630	2.600	2.240	2.240	12.390
2	4.750	4.750	23.180	13.090	47.030	9.070	2.510	2.510	2.370	2.280	2.280	37.130
3	3.440	12.643	13.940	13.673	9.190	9.644	2.490	2.490	2.253	2.740	2.740	23.309
4	29.440	6.400	34.920	22.780	21.440	14.540	9.120	2.660	2.700	2.220	2.220	7.320
5	9.680	4.340	24.620	27.440	13.440	7.620	2.600	2.440	2.440	2.260	2.260	17.460
6	4.200	4.200	21.540	13.020	37.220	6.760	2.530	2.400	2.340	2.360	2.360	33.460
7	4.440	3.200	43.780	13.160	60.840	11.340	6.420	2.340	2.340	2.320	2.320	30.660
8	3.420	4.540	17.540	13.230	10.260	13.840	6.840	2.540	2.540	2.360	2.360	17.167
9	3.040	14.033	14.000	14.030	9.420	6.183	3.350	2.440	2.250	2.960	2.960	17.167



DISCHARGE DURATION AT BILA IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40
1	189.00	12 15	21.90	11 5	15.50	9 25	9.30	7 22	6.00	6 20	2.70	9 2	2.40	10 16		
2	178.00	9 18	21.50	11 5	15.50	5 25	9.30	6 55	6.00	6 20	2.70	9 2	2.40	10 16		
3	165.00	12 14	22.20	12 30	15.50	5 27	9.30	3 2	6.00	6 22	2.70	9 2	2.40	10 16		
4	154.20	6 14	20.70	8 22	15.50	9 14	8.80	1 28	5.50	10 3	2.70	10 3	2.40	10 16		
5	143.20	8 12	19.80	8 17	15.50	8 15	8.60	9 20	5.50	7 26	2.70	11 24	2.40	10 16		
6	132.40	4 17	19.90	4 12	12.80	4 6	8.80	12 5	5.10	10 15	2.60	9 5	2.40	10 16		
7	121.60	4 12	19.90	5 17	12.80	4 25	8.30	9 24	5.10	10 15	2.60	9 5	2.40	10 16		
8	110.80	4 12	19.90	5 17	12.80	5 22	8.30	9 25	5.10	10 15	2.60	9 5	2.40	10 16		
9	100.00	4 12	19.90	5 17	12.80	5 22	8.30	9 25	5.10	10 15	2.60	9 5	2.40	10 16		
10	89.20	8 15	19.10	3 50	12.80	5 26	8.30	7 6	5.10	10 15	2.60	9 5	2.40	10 16		
11	78.40	4 17	19.10	4 17	12.80	6 15	8.30	7 15	5.10	10 15	2.60	9 9	2.40	10 16		
12	67.60	4 17	19.10	6 20	12.80	12 24	8.30	7 25	5.10	10 15	2.60	9 9	2.40	10 16		
13	56.80	4 17	19.10	6 20	12.80	12 24	8.30	8 17	5.10	10 15	2.60	9 10	2.40	10 16		
14	46.00	12 20	19.10	6 20	12.20	5 21	8.30	8 19	4.70	11 14	2.60	9 11	2.40	10 16		
15	35.20	12 21	18.50	4 6	12.20	3 20	8.30	8 26	4.70	11 14	2.60	9 11	2.40	10 16		
16	24.40	12 22	18.50	4 24	12.20	6 22	8.30	12 7	4.70	11 14	2.60	9 11	2.40	10 16		
17	13.60	12 23	17.90	3 21	12.20	7 17	7.80	9 26	4.30	11 16	2.60	9 11	2.40	10 16		
18	2.80	12 24	17.90	3 21	12.20	7 17	7.80	10 10	4.30	11 16	2.60	9 11	2.40	10 16		
19	12.00	12 25	17.00	7 2	11.60	3 19	7.30	10 10	4.30	11 16	2.60	9 11	2.40	10 16		
20	1.20	12 26	17.00	8 10	11.60	6 15	7.30	10 17	4.30	11 16	2.60	9 11	2.40	10 16		
21	36.40	9 7	17.00	12 24	11.60	7 24	7.30	10 14	4.30	11 16	2.60	9 11	2.40	10 16		
22	36.40	9 15	17.00	12 26	11.60	6 23	7.30	10 18	4.30	11 16	2.60	9 11	2.40	10 16		
23	35.40	7 13	16.50	3 20	11.60	12 26	7.30	10 18	4.30	11 16	2.60	9 11	2.40	10 16		
24	35.40	12 16	16.90	3 21	11.60	12 26	7.30	10 19	4.30	11 16	2.60	9 11	2.40	10 16		
25	35.40	12 19	16.90	4 20	11.60	4 27	7.30	10 20	4.30	11 16	2.60	9 11	2.40	10 16		
26	32.50	4 19	16.90	3 25	11.60	3 14	7.30	10 9	4.30	11 16	2.60	9 11	2.40	10 16		
27	32.50	12 15	16.90	3 25	11.60	3 14	7.30	10 9	4.30	11 16	2.60	9 11	2.40	10 16		
28	30.40	12 9	16.90	5 15	11.60	6 6	7.30	10 20	4.30	11 16	2.60	9 11	2.40	10 16		
29	29.40	4 4	16.90	5 21	11.60	6 14	7.30	10 22	4.30	11 16	2.60	9 11	2.40	10 16		
30	28.50	4 18	16.90	6 8	11.60	8 11	6.80	10 22	4.30	11 16	2.60	9 11	2.40	10 16		
31	28.50	12 17	16.90	7 14	10.40	3 25	6.80	7 9	3.70	11 22	2.50	9 24	2.40	10 16		
32	27.50	6 19	16.90	7 25	10.40	4 24	6.80	7 20	3.70	11 22	2.50	9 24	2.40	10 16		
33	27.50	12 10	16.20	6 3	10.40	6 12	6.80	7 27	3.70	11 22	2.50	9 24	2.40	10 16		
34	26.00	4 11	16.20	12 6	10.40	6 26	6.80	8 21	3.70	11 22	2.50	9 24	2.40	10 16		
35	25.70	4 20	15.50	4 19	10.40	6 26	6.80	8 22	3.70	11 22	2.50	9 24	2.40	10 16		
36	25.70	4 6	15.50	4 21	10.40	6 26	6.80	8 22	3.70	11 22	2.50	9 24	2.40	10 16		
37	25.70	6 16	15.50	5 10	10.40	12 11	6.80	12 4	3.70	11 22	2.50	9 24	2.40	10 16		
38	24.80	4 10	15.50	12 27	9.90	12 17	6.40	12 11	3.70	11 22	2.50	9 24	2.40	10 16		
39	24.80	4 15	14.80	5 2	9.90	3 22	6.40	10 15	3.70	11 22	2.50	9 24	2.40	10 16		
40	24.80	4 15	14.80	5 14	9.90	5 17	6.40	10 15	3.70	11 22	2.50	9 24	2.40	10 16		
41	24.80	5 9	14.80	5 24	9.90	6 23	6.40	10 15	3.70	11 22	2.50	9 24	2.40	10 16		
42	24.80	6 4	14.10	5 28	9.90	12 26	6.40	10 15	3.70	11 22	2.50	9 24	2.40	10 16		
43	24.80	12 18	14.10	5 29	9.90	12 26	6.40	10 15	3.70	11 22	2.50	9 24	2.40	10 16		
44	24.80	12 20	14.10	5 24	9.90	6 27	6.40	7 12	3.70	11 22	2.50	9 24	2.40	10 16		
45	23.10	6 3	13.10	5 26	9.90	6 26	6.40	7 12	3.70	11 22	2.50	9 24	2.40	10 16		
46	23.10	6 22	13.10	6 21	9.90	6 26	6.40	8 6	3.70	11 22	2.50	9 24	2.40	10 16		
47	23.10	4 25	13.10	7 14	9.90	7 5	6.40	12 7	3.70	11 22	2.50	9 24	2.40	10 16		
48	23.10	4 23	13.10	7 16	9.90	7 14	6.40	12 7	3.70	11 22	2.50	9 24	2.40	10 16		
49	23.10	4 23	13.10	7 16	9.90	7 14	6.40	12 7	3.70	11 22	2.50	9 24	2.40	10 16		
50	23.10	7 16	13.10	7 16	9.90	7 14	6.40	12 7	3.70	11 22	2.50	9 24	2.40	10 16		

Year (1978)

Table Discharge Duration

River System	Bila			River			Bila			Station			Bila (Down Stream)		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total		
Relating to	Ontario Area														
Day															
1	6.40	7.80	12.50	25.70	209.00	70.60	11.00	22.30	17.60	6.30	(7.70)	22.30	22.30		
2	13.90	7.80	12.80	17.60	41.90	50.30	35.90	28.90	12.80	14.80	(7.30)	24.00	24.00		
3	17.60	7.30	17.90	16.20	38.60	58.00	26.60	12.60	34.40	12.80	(6.90)	19.90	19.90		
4	3.70	7.80	15.90	16.20	60.20	57.50	21.50	10.90	11.60	12.20	(6.40)	10.40	10.40		
5	3.70	6.80	12.80	54.10	52.30	29.40	34.40	21.50	6.30	10.40	6.00	11.60	11.60		
6	13.50	6.80	39.90	19.90	47.80	22.70	37.50	47.80	12.20	7.80	4.70	8.30	8.30		
7	14.50	6.80	64.90	17.60	22.30	24.60	33.30	16.90	16.20	7.30	5.10	6.80	6.80		
8	22.30	6.00	27.50	27.50	43.10	24.00	18.30	76.70	60.70	6.40	5.10	6.00	6.00		
9	19.90	13.90	50.30	76.20	60.20	19.20	19.60	19.10	19.10	6.00	5.10	6.60	6.60		
10	16.90	16.90	70.60	32.30	79.80	19.10	15.50	12.80	12.80	5.50	11.60	6.40	6.40		
11	13.50	11.00	41.90	27.50	50.60	14.10	23.10	11.00	11.60	5.10	12.20	6.00	6.00		
12	47.80	9.30	30.90	22.30	57.50	22.30	28.50	11.60	19.10	5.50	9.30	5.10	5.10		
13	30.40	10.90	21.50	16.20	57.80	38.60	32.30	26.60	13.50	5.10	5.50	13.50	13.50		
14	17.90	9.90	23.10	14.10	355.00	54.70	27.50	22.30	10.40	5.50	5.50	46.70	46.70		
15	15.50	13.50	23.10	13.50	50.30	40.60	33.10	18.30	7.80	7.80	4.70	70.70	70.70		
16	13.50	9.30	21.50	12.60	32.30	20.70	18.30	11.60	6.80	6.40	10.40	87.80	87.80		
17	12.80	8.30	23.10	12.20	40.60	21.50	10.60	21.50	15.50	5.10	12.80	39.70	39.70		
18	40.00	7.30	30.40	11.00	23.10	19.40	25.20	21.50	17.60	8.30	7.30	28.50	28.50		
19	16.90	12.20	23.10	9.60	17.60	11.90	15.50	12.80	16.80	5.50	9.30	40.80	40.80		
20	16.90	12.80	32.30	10.40	14.80	17.60	12.20	11.00	51.30	13.50	9.30	19.10	19.10		
21	28.00	14.10	21.50	11.60	14.10	13.50	18.30	7.90	62.10	39.70	9.30	17.60	17.60		
22	45.90	22.80	19.90	18.30	12.20	11.60	13.50	6.60	57.80	10.40	5.50	16.20	16.20		
23	21.50	23.10	18.30	19.10	11.00	22.30	15.90	6.30	24.60	10.40	4.70	14.60	14.60		
24	16.90	11.00	29.80	16.20	11.00	29.00	37.50	7.80	15.50	19.10	5.10	15.50	15.50		
25	14.60	9.90	23.10	19.10	24.00	18.30	22.30	13.50	13.50	19.90	5.50	6.60	6.60		
26	12.80	8.60	14.80	19.10	11.60	15.90	29.40	10.40	11.60	26.60	10.40	78.20	78.20		
27	12.60	8.30	19.90	14.10	10.40	23.10	17.10	6.30	11.00	7.90	4.90	21.40	21.40		
28	11.60	8.30	38.60	20.30	9.30	16.90	26.60	7.80	11.00	(9.50)	9.90	21.40	21.40		
29	9.90	7.30	23.10	10.40	10.40	13.50	21.50	7.80	9.90	(9.00)	6.80	16.30	16.30		
30	9.30	7.30	20.70	37.30	35.40	14.80	38.60	8.30	7.60	(8.60)	9.90	11.60	11.60		
31	8.30	7.30	20.70	23.10	43.10	30.40	30.40	10.10	8.20	(8.20)	10.40	10.40	10.40		
Total	545.90	427.80	893.30	945.70	1467.70	970.00	1031.60	550.50	576.10	30.60	228.20	712.60	712.60		
Average	18.26	11.71	27.20	31.52	47.35	32.33	33.28	17.76	19.20	10.68	7.61	22.99	22.99		
Max	58.00	51.80	70.60	243.30	355.00	139.90	159.10	76.70	62.10	39.70	12.80	87.80	87.80		
Min	3.70	6.00	12.80	9.60	7.30	11.60	11.00	7.80	6.80	5.10	4.70	5.70	5.70		

Year 1979

Discharge Duration

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.2	7.8	5.5	12.2	24.8	39.7	7.8	3.0	4.8	2.7	4.4	2.9
2	7.8	7.3	12.2	12.8	45.4	12.8	7.2	3.0	33.3	2.7	5.1	7.8
3	7.8	12.8	14.8	18.3	24.3	11.6	6.8	2.9	7.8	2.7	5.1	15.5
4	7.3	10.4	- (12.8)	17.6	29.4	16.9	6.8	2.9	6.0	2.7	7.9	11.0
5	6.8	6.8	- (10.8)	45.4	35.4	13.5	6.4	2.9	19.1	2.7	6.8	4.4
6	6.8	9.3	- (10.8)	72.1	49.0	34.3	6.4	2.8	24.5	2.7	4.4	3.3
7	5.8	9.9	6.8	44.2	54.0	18.3	7.3	2.8	14.1	2.7	4.4	3.7
8	6.4	9.2	6.4	- (39.8)	27.5	25.7	22.3	2.8	6.4	2.7	5.1	3.7
9	19.9	7.8	6.0	- (35.4)	23.1	25.7	25.7	4.4	4.4	2.8	4.0	4.7
10	32.4	11.0	5.5	- (31.0)	19.1	15.3	22.5	2.8	21.4	2.8	4.4	3.7
11	9.3	15.5	5.1	- (12.7)	16.9	20.7	24.8	2.7	133.6	2.9	5.5	3.0
12	9.8	31.4	5.1	- (22.3)	20.7	10.4	1.4	2.7	12.2	2.9	1.7	3.0
13	6.8	38.6	4.7	- (12.7)	12.2	6.4	19.9	3.7	6.4	4.4	4.7	2.9
14	6.0	34.3	4.7	13.5	12.2	4.7	13.3	3.0	4.4	3.0	4.7	2.9
15	5.5	18.3	4.4	11.6	12.2	6.4	5.1	2.8	4.4	3.0	4.8	2.9
16	5.1	16.2	4.4	9.9	11.0	7.3	4.0	2.8	4.0	3.0	7.3	3.9
17	6.0	19.9	4.0	8.8	11.0	37.5	1.7	2.8	2.0	3.0	6.8	15.5
18	7.3	17.6	7.8	7.8	11.0	12.8	24.8	2.7	2.0	4.7	6.4	32.3
19	5.1	19.1	14.1	9.3	10.4	108.6	52.9	2.7	2.9	3.0	5.5	50.3
20	5.1	12.8	12.8	15.5	9.9	106.7	11.0	2.7	5.5	3.0	4.0	21.4
21	8.3	11.6	4.7	10.4	9.9	30.4	17.3	2.7	5.1	5.5	6.0	13.8
22	19.9	9.9	4.0	13.5	8.8	17.6	6.8	2.7	3.0	4.0	4.7	14.8
23	14.1	8.8	4.4	11.0	8.8	24.8	6.4	2.7	2.8	3.0	5.1	16.2
24	7.2	7.8	4.4	11.0	8.8	22.3	6.4	1.7	2.8	3.0	4.5	15.1
25	6.0	7.8	11.0	20.7	8.8	14.1	6.0	2.7	2.7	3.0	6.0	12.2
26	6.4	6.8	35.4	40.8	8.2	12.2	6.0	16.2	2.7	3.0	4.7	13.5
27	7.8	8.2	34.3	51.6	6.8	10.3	5.5	3.0	2.7	3.0	2.3	16.2
28	8.3	6.4	16.2	42.0	6.0	5.8	5.1	2.8	3.0	4.0	5.5	12.2
29	5.5	5.5	55.4	51.6	5.5	9.3	5.1	2.9	2.8	3.0	4.0	13.5
30	11.7	17.8	47.8	39.4	12.8	6.8	4.7	18.9	12.7	3.3	19.1	12.2
31	4.4	15.3	15.3	6.4	6.4	10.8	4.4	10.8	10.8	4.7	19.1	19.3
Month	32.4	38.6	55.4	72.1	514.0	159.3	52.1	16.2	133.6	6.4	14.1	50.3
Ave.	8.1	13.9	12.8	24.6	18.4	28.2	12.1	2.8	14.4	3.3	5.5	12.2
Mini.	4.4	6.1	4.0	7.8	5.5	4.7	1.4	2.7	2.0	2.7	4.0	2.9

1980

Table (Downstream)

Discharge Duration

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	13.0	6.4	12.8	10.1	16.9	15.5	13.5	15.5	10.4	3.0	5.8	3.3
2	12.9	6.4	8.8	14.8	19.9	15.5	10.4	6.0	2.9	6.9	4.0	3.0
3	15.5	6.4	5.5	7.8	30.4	36.5	9.9	4.4	6.8	2.8	2.9	2.0
4	12.8	17.6	7.8	4.0	110.5	17.6	2.3	1.0	6.0	2.7	2.8	3.7
5	10.1	8.3	10.4	4.7	129.7	23.1	14.8	4.4	5.5	2.7	2.7	2.3
6	11.6	6.8	8.8	5.1	35.4	35.4	12.2	7.3	5.1	2.7	2.6	5.5
7	10.4	6.4	6.8	4.0	28.4	12.9	17.6	9.3	5.1	2.8	2.8	7.3
8	9.9	6.4	6.0	32.4	26.6	28.5	9.9	19.1	5.1	2.7	2.8	6.4
9	11.6	6.8	13.5	37.5	22.3	20.7	8.3	2.3	4.7	2.7	3.0	6.8
10	11.6	12.2	11.0	87.5	17.6	16.2	7.3	6.0	4.7	2.7	3.7	10.4
11	22.3	6.8	6.8	33.3	27.6	10.1	7.3	5.5	4.7	2.7	3.0	10.4
12	14.1	5.1	5.5	58.1	22.3	12.2	6.8	5.5	4.7	8.3	5.8	9.3
13	12.1	4.0	4.0	27.6	16.9	12.2	39.7	5.1	4.7	4.7	2.8	6.0
14	11.2	3.3	5.1	24.8	14.8	11.3	19.9	4.4	4.7	8.8	2.8	4.7
15	12.8	3.3	4.4	23.1	18.3	67.7	9.9	4.7	4.4	3.0	2.8	3.7
16	11.6	3.0	3.0	24.8	14.1	94.5	9.3	5.1	4.4	6.9	3.0	3.0
17	11.6	3.7	3.0	12.8	12.2	17.7	6.8	1.7	4.4	2.8	3.7	2.9
18	14.8	2.9	4.7	9.9	17.6	58.1	9.9	2.3	4.4	5.7	2.9	2.9
19	12.8	2.9	4.0	30.4	13.5	83.0	11.6	12.8	4.7	2.7	2.9	2.9
20	12.2	2.9	2.9	32.7	12.2	51.6	6.8	6.8	4.7	2.6	3.7	6.0
21	12.8	2.9	2.9	36.5	10.4	26.6	5.5	19.9	4.4	2.6	2.9	21.4
22	10.4	2.9	2.8	45.7	14.8	12.1	5.1	16.2	4.0	2.9	2.8	13.5
23	10.4	5.1	2.8	16.9	15.5	17.6	6.4	7.8	4.0	3.7	2.9	11.0
24	9.3	4.4	5.8	24.8	24.8	14.1	4.7	6.4	4.0	2.8	4.4	9.3
25	8.8	3.3	5.8	19.9	37.5	12.8	4.7	5.5	4.0	2.8	3.0	6.0
26	8.8	10.4	2.8	21.4	12.2	11.6	4.7	14.8	4.0	2.7	2.8	6.0
27	9.3	12.1	2.9	23.1	81.4	12.2	4.7	19.1	4.0	5.1	2.9	7.8
28	4.8	2.3	6.8	32.4	54.9	15.5	4.7	15.5	3.3	4.4	7.3	5.1
29	8.3	11.6	8.8	28.5	10.7	11.6	4.0	8.8	3.0	3.0	5.1	4.0
30	6.8	19.9	5.1	19.9	47.8	10.4	4.0	6.8	3.0	2.9	4.0	4.0
31	6.4	5.1	5.1	20.7	20.7	3.7	3.7	6.0	2.9	2.9	4.0	3.7
MPX.	113.0	19.6	13.5	84.5	129.7	114.3	39.7	19.7	10.4	8.8	9.2	24.4
Ave.	13.1	6.6	5.7	24.7	32.1	21.8	7.4	5.9	4.7	3.4	3.6	6.4
Min.	6.8	2.9	2.8	4.0	10.4	10.1	4.0	1.0	3.0	2.6	2.6	2.9

1781

Big (downstream)

Discharge Duration

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	3.0	3.6	5.3	43.0	37.5	11.0	12.8					
2	3.0	2.6	4.7	42.0	45.4	14.1	12.2					
3	3.0	2.6	3.0	40.5	62.1	12.2	12.2					
4	3.0	2.9	2.7	21.4	60.7	2.3	103.2					
5	2.9	2.8	4.4	12.6	76.3	7.8	49.0					
6	2.8	2.7	9.3	15.5	37.5	6.8	49.0					
7	2.7	2.7	11.0	7.2	22.5	6.0	76.7					
8	2.7	2.7	5.5	10.4	37.5	7.8	22.3					
9	2.7	2.7	4.7	19.1	33.3	10.1	16.2					
10	2.6	2.9	7.8	25.15	31.4	9.3	12.8					
11	2.6	4.0	9.9	23.1	60.7	9.3	20.7					
12	2.7	2.8	7.2	19.1	56.7	6.0	28.5					
13	2.6	2.7	6.0	24.2	54.0	5.1	36.4					
14	2.6	2.7	11.1	13.5	26.5	4.7	24.8					
15	2.6	2.6	4.0	10.4	172.6	26.6	91.1					
16	2.5	2.6	9.3	12.8	133.6	5.8	84.5					
17	2.5	2.6	10.4	16.2	141.9	6.0	112.5					
18	2.6	2.6	11.0	17.6	79.7	106.4	50.3					
19	2.6	2.7	6.0	11.6	29.4	52.9	21.1					
20	2.6	2.9	6.4	13.5	24.8	19.9	36.4					
21	2.7	2.7	11.6	11.0	21.4	19.9	24.0					
22	2.7	2.6	7.2	25.5	34.2	18.2	91.1					
23	2.9	2.7	12.8	40.8	30.4	21.0	73.6					
24	2.9	3.0	14.1	16.2	54.0	20.1	192.0					
25	2.7	3.0	16.9	19.1	25.7	14.8	55.4					
26	2.7	2.8	5.5	30.4	21.4	11.6	91.5					
27	2.7	4.4	60.7	39.4	19.9	7.9	30.4					
28	2.7	6.8	51.6	52.1	21.4	9.3	19.9					
29	2.7		50.3	27.6	15.5	11.0	16.2					
30	2.6		14.1	17.9	10.4	15.2	14.8					
31	2.6		10.4		5.8		11.6					
Max.	3.0	6.8	60.7	62.1	172.6	106.2	192.0					
Ave.	2.7	3.0	14.3	23.5	49	16.4	50.7					
Mini.	2.5	2.6	2.9	7.8	10.1	4.7	11.6					

DISCHARGE DURATION AT TANBU-TEONG IN THE RILA RIVER

1974 (1974)

- 0 -

	1	2	3	4	5	6	7	8	9	10	11	12	
1					33.30	29.10	33.80	41.00	33.00	79.90		49.60	
2					47.80	21.30	48.90	44.30	46.60	67.60		66.70	
3				13.00	37.30	19.20	37.30	41.00	59.30	46.60		52.30	
4				23.10	36.80	17.70	32.80	36.80	60.20	42.10		51.90	
5				22.30	36.80	16.70	26.90	36.80	50.70	50.70		30.30	
6				33.80	36.90	15.00	26.70	33.80		49.20		26.60	
7				33.80	36.90	15.00	26.70	33.80		49.20		26.60	
8				70.40	46.00	19.20	80.60	43.80		222.90		26.00	
9				46.00	46.00	13.00	54.40	34.90		82.90		22.10	
10				46.00	46.00	13.00	54.40	34.90		82.90		22.10	
11				37.90	48.90	13.70	36.30	38.90		53.70		46.60	
12				38.80	38.80	13.70	37.30	37.30		42.70		58.90	
13				29.10	32.60	36.30	36.30	34.80		57.40		66.90	
14				28.20	38.20	36.30	36.30	34.80		42.70		55.00	
15				26.40	43.30	41.30	41.30	29.10		155.30		57.60	
16				46.90	36.80	44.30	44.30	20.70		208.00		50.00	
17				43.30	49.20	15.00	61.40	17.00		406.30		29.10	
18				46.00	37.90	12.00	60.80	16.30		462.80		57.60	
19				40.00	37.90	12.00	78.40	16.30		142.40		82.90	
20				66.90	36.80	34.30	66.90	13.70		208.00		40.30	
21				58.90	44.30	76.90	66.90	13.30		107.60		39.40	
22				10.80	33.80	48.90	62.80	14.00		42.10		38.40	
23				10.80	33.80	48.90	62.80	14.00		95.70		33.80	
24				10.70	31.40	33.30	60.20	77.60		64.10		32.80	
25				10.80	30.00	39.30	58.90	77.60		69.70		34.30	
26				11.30	28.20	44.30	64.80	33.30		60.20		30.00	
27				11.60	26.40	44.30	64.80	33.30		76.90		29.30	
28				25.60	42.10	50.10	50.10	15.00		44.90		20.30	
29				24.30	33.30	53.80	53.80	23.10		47.20		18.10	
30				23.10	38.90	27.70	74.00	13.70		226.70		26.00	
31					58.60		53.80	19.60		74.70		46.60	
SUM.				86.80	1062.70	1531.30	1209.20	1796.00	960.10	4357.60	3003.60	1220.10	16476.382
MEAN				10.630	37.954	49.197	43.186	57.933	30.971	181.367	96.897	50.837	40.264
MAX.				27	17	16	16	22	13	16	9	23	23
MIN.				10.20	15.00	13.30	13.30	13.40	13	12	12	10	10.200

SAIOAI HOOSUI WEISUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1					37.575	47.640	18.010	43.460	43.460	48.200	92.230	77.825
2					47.670	49.360	73.810	67.860	302.311	142.930	60.180	36.330
3					29.140	51.118	36.375	60.235	85.180	59.109	30.700	43.727
4					20.133	36.800	20.640	36.340	43.100	57.380		49.400
5					46.040	55.280	15.980	54.340	43.380	127.460		26.260
6					33.440	66.300	54.980	58.840	30.760	93.660		34.320
7					10.800	60.660	53.420	92.640	194.940	192.200		41.340
8					10.820	32.760	34.640	39.040	34.220	70.760		67.960
9					11.450	43.320	47.467	35.933	19.233	49.400		28.320

DISCHARGE DURATION AT TANRU-TEBONG IN THE BILA RIVER 1974. (1974)

I	51		101		151		201		251		301		351	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2
1	688.50	9 13	70.40	4 8	50.10	7 27	38.40	5 11	29.10	4 12	15.00	8 20	3	4 21
2	582.20	9 14	69.70	5 25	50.10	9 20	34.40	11 21	29.10	8 14	15.00	8 20	3	4 21
3	574.10	9 12	69.70	10 25	48.90	4 15	37.90	4 10	29.10	11 26	15.00	8 20	3	4 21
4	462.80	9 15	68.50	11 17	48.90	5 21	37.90	13 21	29.10	12 11	15.00	8 20	3	4 21
5	461.30	9 15	67.60	10 17	48.90	5 21	37.90	13 21	29.10	12 11	15.00	8 20	3	4 21
6	206.50	10 16	68.90	4 17	48.90	7 2	37.90	3 2	29.10	12 16	15.00	8 20	3	4 21
7	229.20	9 17	66.90	7 19	46.90	11 8	37.90	7 2	29.10	6 22	15.00	8 20	3	4 21
8	226.70	9 29	66.90	7 20	47.80	5 22	37.90	8 11	29.10	6 22	15.00	8 20	3	4 21
9	222.90	10 8	66.90	11 12	47.80	7 22	36.80	5 4	29.10	8 12	15.00	8 20	3	4 21
10	208.00	10 15	66.20	9 25	47.80	12 22	36.80	5 5	29.10	8 26	15.00	8 20	3	4 21
11	208.00	10 19	65.50	5 23	47.20	9 27	36.80	3 15	29.10	11 28	15.00	8 20	3	4 21
12	196.00	12 25	65.50	5 24	46.60	10 23	36.80	5 19	27.70	9 29	10.00	3 22	11	11 11
13	186.70	10 7	65.50	7 25	46.60	10 21	36.80	5 21	27.30	11 29	10.00	3 22	11	11 11
14	173.10	11 9	64.80	7 26	46.60	11 10	36.80	6 8	27.30	12 7	10.00	3 22	11	11 11
15	152.70	9 18	64.10	10 21	46.60	12 18	36.80	6 2	26.90	17 5	10.00	3 22	11	11 11
16	152.60	9 16	64.10	10 21	46.60	12 30	36.80	7 10	26.90	17 30	10.00	3 22	11	11 11
17	122.40	10 16	63.50	4 26	46.00	12 4	36.70	12 22	26.30	4 24	10.20	3 22	11	11 11
18	125.50	10 14	62.80	7 21	46.00	5 8	35.80	4 9	26.40	12 8	10.20	3 22	11	11 11
19	122.00	9 17	62.80	6 5	46.00	9 24	35.80	4 24	26.00	12 8	10.20	3 22	11	11 11
20	119.50	9 26	62.50	6 14	46.00	5 14	35.80	6 24	26.00	12 26	10.20	3 22	11	11 11
21	107.60	10 20	61.50	7 14	45.90	5 14	35.60	7 1	25.60	4 24	10.20	3 22	11	11 11
22	106.70	12 2	60.80	5 26	44.90	10 27	35.50	5 11	25.10	6 19	10.20	3 22	11	11 11
23	96.50	10 17	60.20	7 25	44.30	5 20	35.50	12 25	25.10	12 19	10.20	3 22	11	11 11
24	95.70	10 22	60.20	9 4	44.30	6 26	34.80	4 11	24.70	7 6	10.20	3 22	11	11 11
25	94.00	9 17	60.20	10 25	44.30	6 2	34.60	6 12	24.50	8 29	10.20	3 22	11	11 11
26	90.80	7 17	59.50	6 15	43.60	6 4	34.50	6 19	24.50	8 29	10.20	3 22	11	11 11
27	89.20	5 16	59.50	6 25	43.60	12 17	34.50	12 24	24.50	12 10	10.20	3 22	11	11 11
28	89.20	5 16	59.50	7 12	43.60	10 30	33.80	2 22	23.90	6 24	10.20	3 22	11	11 11
29	84.50	9 15	59.50	7 2	42.50	11 20	33.80	9 11	23.10	4 4	10.20	3 22	11	11 11
30	84.50	7 15	58.90	5 17	42.70	10 11	33.80	11 22	23.10	4 50	10.20	3 22	11	11 11
31	82.90	10 9	58.90	7 24	42.70	10 13	33.50	5 29	23.10	6 26	10.20	3 22	11	11 11
32	82.90	11 16	58.90	6 6	42.70	10 28	33.50	4 25	23.10	12 21	10.20	3 22	11	11 11
33	81.50	7 18	58.90	11 17	42.70	11 7	33.50	11 23	23.00	12 21	10.20	3 22	11	11 11
34	80.60	7 8	58.20	5 15	42.10	5 24	32.80	7 25	22.50	6 23	10.20	3 22	11	11 11
35	79.90	9 19	57.60	11 14	42.10	9 21	32.80	7 24	21.50	6 22	10.20	3 22	11	11 11
36	79.90	10 1	57.60	11 16	42.10	10 4	32.80	8 24	21.50	6 23	10.20	3 22	11	11 11
37	79.10	5 7	56.90	5 6	42.10	10 29	32.80	11 25	20.50	12 27	10.20	3 22	11	11 11
38	79.10	9 22	56.90	5 12	42.10	12 18	32.80	12 12	20.50	12 27	10.20	3 22	11	11 11
39	78.40	6 16	56.30	7 12	41.90	8 12	32.60	7 11	19.20	6 27	10.20	3 22	11	11 11
40	78.10	7 16	55.70	10 10	41.00	6 15	32.40	8 17	19.20	6 28	10.20	3 22	11	11 11
41	77.60	6 25	55.70	11 15	40.10	12 19	31.90	6 12	18.10	12 26	10.20	3 22	11	11 11
42	77.60	9 23	55.70	11 19	40.00	9 18	31.90	12 14	17.70	6 24	10.20	3 22	11	11 11
43	76.90	6 20	55.00	11 12	40.00	5 22	31.40	7 24	17.70	6 20	10.20	3 22	11	11 11
44	76.90	7 7	55.40	17 19	39.40	10 12	31.40	11 24	17.00	6 27	10.20	3 22	11	11 11
45	76.90	9 26	55.60	7 28	39.40	12 20	30.90	12 14	17.00	6 16	10.20	3 22	11	11 11
46	76.70	10 30	55.80	7 21	38.70	4 20	30.50	12 5	16.70	6 17	10.20	3 22	11	11 11
47	76.00	7 30	52.60	5 14	38.00	5 30	30.00	11 25	16.30	4 18	10.20	3 22	11	11 11
48	76.00	7 30	50.70	9 5	38.00	6 10	30.00	11 25	16.30	4 18	10.20	3 22	11	11 11
49	71.10	5 27	50.70	10 5	38.00	6 10	30.00	11 25	16.30	4 18	10.20	3 22	11	11 11
50	71.10	7 24	50.10	4 7	38.10	5 31	29.50	12 26	15.70	6 19	10.20	3 22	11	11 11

1975. (1975) - 0 -

DISCHARGE DURATION AT TANRUSTEDONG IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	16.30	-	17.40	7.70	29.30	-	26.40	48.90	66.40	119.30	60.90	24.00
2	17.00	-	16.00	7.30	81.40	-	22.10	40.00	46.00	47.80	76.20	42.10
3	15.70	-	15.70	6.60	43.20	-	18.10	34.80	35.30	103.80	72.50	53.20
4	20.70	-	20.00	7.00	26.70	-	19.90	30.90	42.10	61.50	57.60	33.80
5	23.10	-	21.10	14.70	33.30	-	27.70	27.70	48.30	62.30	62.30	29.10
6	15.70	-	28.40	10.30	32.40	-	30.30	39.10	109.30	43.30	40.30	27.30
7	19.90	-	32.80	11.30	60.60	-	28.30	71.10	43.50	43.50	35.80	32.70
8	21.90	-	21.30	11.90	112.00	-	22.70	34.40	72.30	10.80	33.80	35.70
9	24.20	74.00	36.80	20.70	82.20	-	24.70	31.90	22.30	66.90	63.60	94.00
10	20.70	92.40	39.30	12.30	51.90	-	24.70	30.90	43.80	31.90	34.80	35.80
11	17.70	113.60	46.30	11.50	116.30	-	32.90	29.30	90.00	8.70	31.90	37.60
12	16.00	53.20	23.60	17.00	-	21.90	32.40	43.70	97.30	7.70	32.40	22.30
13	17.70	23.10	20.70	13.70	-	40.60	19.20	73.20	197.20	9.70	27.70	21.10
14	20.70	28.20	17.40	16.40	-	37.00	144.40	48.60	266.40	3.10	27.30	19.30
15	16.70	23.10	19.90	14.00	-	46.00	52.60	33.00	246.20	3.70	26.90	37.90
16	17.40	19.90	15.30	23.80	-	32.70	32.80	109.30	109.30	12.30	29.30	64.10
17	15.70	14.30	28.70	21.20	-	50.70	43.30	43.30	62.60	7.30	23.80	37.00
18	17.40	14.40	73.40	187.90	-	66.20	144.40	46.60	48.90	61.30	28.20	22.40
19	17.40	12.30	30.30	71.10	-	62.10	178.40	28.40	40.30	40.00	39.40	27.70
20	14.70	21.60	79.90	40.00	-	126.80	204.40	29.10	73.20	36.80	23.90	24.70
21	20.70	10.30	23.40	24.40	-	32.10	139.40	26.40	87.60	26.40	20.70	22.30
22	24.30	10.60	23.30	28.60	-	38.90	309.70	37.90	37.90	37.90	19.30	20.70
23	20.30	9.40	19.20	21.90	-	40.60	152.70	32.40	121.10	30.30	18.80	27.70
24	16.00	10.20	14.00	24.30	-	31.40	108.30	23.60	48.90	137.40	18.30	26.90
25	14.70	12.60	14.00	18.30	-	21.30	100.70	24.30	139.40	103.80	18.30	20.30
26	14.40	20.30	13.40	14.70	-	28.20	124.40	23.70	137.40	263.60	23.10	18.30
27	23.10	37.30	12.20	21.30	-	34.40	126.70	29.30	151.00	212.90	28.20	17.70
28	36.30	20.70	10.30	21.00	-	42.70	303.30	114.00	228.00	197.20	26.80	17.00
29	62.10	-	9.70	44.30	-	30.90	492.70	56.90	133.30	62.60	33.30	16.30
30	42.10	-	9.20	23.10	-	24.20	59.30	91.60	122.00	37.90	30.00	16.30
31	-	-	6.70	-	-	46.00	313.60	-	63.30	63.30	15.70	-

SUM. 659.40 614.30 818.00 1024.30 677.90 1223.20 3021.20 1577.30 3132.30 3024.40 1084.10 984.00 1684.16

MEAN 21.997 30.725 26.347 34.130 61.627 44.484 97.434 50.677 104.410 65.303 36.137 31.742 31.8232

MAX. 62.10 113.80 70.90 214.20 116.30 369.10 309.30 313.80 266.40 212.90 76.20 94.00 909.300

MIN. 14.40 9.40 6.70 6.60 23.30 21.90 16.10 14.70 22.30 3.10 16.30 15.70 3.100

SAIGAI HOOSUI TEISUI KASSUI SAISHO

	1	2	3	4	5	6	7	8	9	10	11	12
1	19.130	63.200	29.310	12.820	36.240	-	23.210	39.970	61.710	70.130	32.600	41.970
2	17.140	31.610	33.370	62.000	116.300	96.733	44.260	40.320	123.180	22.000	21.100	34.490
3	29.720	14.300	13.383	27.630	-	33.460	171.300	70.391	128.340	100.282	24.710	19.943
4	17.760	-	20.640	0.700	40.460	-	22.640	36.440	61.240	80.340	67.040	36.640
5	20.300	43.200	34.940	16.940	71.820	-	27.740	43.480	62.140	59.720	36.140	47.100
6	17.760	44.240	23.340	14.700	114.300	51.323	59.320	179.420	179.420	61.960	31.340	31.620
7	16.320	14.940	45.160	109.400	-	132.900	117.000	34.640	66.940	37.020	30.960	37.360
8	19.200	10.740	21.100	20.340	-	37.340	162.140	29.320	94.300	64.240	19.140	23.380
9	40.240	24.100	10.617	24.920	-	33.340	179.300	104.617	160.380	126.983	30.240	16.917



DISCHARGE DURATION AT TANJUNGPEDONG IN THE BILA RIVER

1975 (1975)

	21	101	201	221	301	331								
1	305.50	64.50	9.22	46.66	6.14	53.80	11.77	25.00	19.00	7.25	12.50	2.10	11.00	1.00
2	365.10	82.20	5.9	44.60	8.14	53.80	12.44	23.50	19.20	2.22	12.50	2.10	11.00	1.00
3	323.80	81.60	5.2	46.80	9.13	53.80	11.20	24.70	19.20	2.22	12.50	2.10	11.00	1.00
4	309.40	80.60	5.7	46.80	9.13	53.80	11.20	24.70	19.20	2.22	12.50	2.10	11.00	1.00
5	267.40	80.60	4.13	46.00	7.21	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
6	246.20	79.90	3.20	45.50	5.17	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
7	224.00	78.40	2.19	44.50	3.11	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
8	214.20	76.20	1.12	44.50	4.20	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
9	212.90	75.40	2.16	43.80	9.19	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
10	204.40	74.00	2.9	43.80	11.12	53.80	11.20	24.70	18.50	2.22	12.50	2.10	11.00	1.00
11	197.20	73.20	9.13	43.50	10.17	53.80	12.16	23.90	17.70	1.12	12.50	2.10	11.00	1.00
12	197.20	73.20	9.20	43.50	10.17	53.80	12.16	23.90	17.70	1.12	12.50	2.10	11.00	1.00
13	197.70	72.50	9.6	42.70	8.26	53.80	10.10	23.90	17.70	1.12	12.50	2.10	11.00	1.00
14	187.90	72.50	11.3	42.10	10.14	53.80	11.20	23.90	17.70	1.12	12.50	2.10	11.00	1.00
15	187.60	71.10	4.19	42.10	10.14	53.80	11.20	23.90	17.70	1.12	12.50	2.10	11.00	1.00
16	184.00	71.10	6.17	42.10	12.20	53.80	11.20	23.90	17.70	1.12	12.50	2.10	11.00	1.00
17	152.70	68.30	10.3	41.00	9.19	50.90	8.14	23.10	17.00	1.12	12.50	2.10	11.00	1.00
18	149.50	66.90	10.9	40.50	11.16	50.90	8.14	23.10	17.00	1.12	12.50	2.10	11.00	1.00
19	144.40	66.90	11.1	40.50	11.16	50.90	8.14	23.10	17.00	1.12	12.50	2.10	11.00	1.00
20	144.40	66.20	6.16	40.00	11.20	50.90	8.14	23.10	17.00	1.12	12.50	2.10	11.00	1.00
21	137.40	65.20	10.21	40.00	8.22	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
22	137.40	64.10	12.16	40.00	10.17	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
23	133.60	62.80	9.17	39.40	11.22	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
24	133.60	62.80	10.29	39.40	11.22	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
25	137.40	62.80	10.29	38.90	11.22	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
26	133.60	62.10	11.29	38.90	11.22	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
27	128.70	61.50	10.14	38.40	10.21	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
28	128.60	61.50	10.14	38.40	10.21	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
29	122.00	59.50	11.16	37.90	10.20	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
30	122.00	59.50	11.16	37.90	10.20	50.90	7.20	22.70	16.50	1.12	12.50	2.10	11.00	1.00
31	122.10	59.50	7.10	37.90	12.17	50.90	10.20	21.10	16.00	1.12	12.50	2.10	11.00	1.00
32	119.20	59.50	7.20	37.90	12.17	50.90	10.20	21.10	16.00	1.12	12.50	2.10	11.00	1.00
33	119.50	57.60	6.14	37.50	11.22	50.90	10.20	21.10	16.00	1.12	12.50	2.10	11.00	1.00
34	112.00	57.60	11.14	37.50	11.22	50.90	10.20	21.10	16.00	1.12	12.50	2.10	11.00	1.00
35	112.00	57.60	11.14	37.50	11.22	50.90	10.20	21.10	16.00	1.12	12.50	2.10	11.00	1.00
36	112.00	56.90	8.29	36.80	11.19	50.90	10.20	20.70	15.50	1.12	12.50	2.10	11.00	1.00
37	109.50	56.90	8.29	36.80	11.19	50.90	10.20	20.70	15.50	1.12	12.50	2.10	11.00	1.00
38	109.50	55.70	12.16	36.80	10.20	50.90	10.20	20.70	15.50	1.12	12.50	2.10	11.00	1.00
39	103.50	55.00	8.13	36.40	11.26	50.90	10.20	20.70	15.50	1.12	12.50	2.10	11.00	1.00
40	103.60	54.40	8.9	36.40	11.26	50.90	10.20	20.70	15.50	1.12	12.50	2.10	11.00	1.00
41	104.80	53.20	2.12	35.80	4.19	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
42	104.70	53.20	2.11	35.80	4.19	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
43	97.30	52.20	12.13	35.00	11.22	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
44	94.00	52.40	7.13	35.80	12.16	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
45	94.00	52.40	7.13	35.80	12.16	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
46	94.00	51.90	5.10	35.00	7.16	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
47	94.00	51.90	5.10	35.00	7.16	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
48	94.00	51.90	5.10	35.00	7.16	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
49	88.40	48.90	9.11	34.50	10.17	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00
50	87.80	47.80	9.10	34.50	10.17	50.90	12.16	20.70	15.50	1.12	12.50	2.10	11.00	1.00

1976. (1976)

DISCHARGE DURATION AT TANRU-TEONG IN THE BILA RIVER.

	1	2	3	4	5	6	7	8	9	10	11	12
1	25.70	18.10	23.90	21.50	40.30	15.40	108.30	85.20	12.20	5.00	14.70	55.70
2	17.70	17.00	26.60	21.50	45.80	15.70	69.90	14.40	5.20	14.00	14.00	45.20
3	26.20	17.00	24.50	25.10	58.90	48.90	37.50	11.50	11.50	11.50	12.50	60.20
4	21.50	17.70	23.90	24.00	26.00	22.70	222.90	10.80	20.70	20.70	11.90	67.80
5	22.90	15.00	22.40	24.30	25.00	15.00	102.40	10.20	8.40	8.40	24.70	40.50
6	44.90	14.00	23.20	25.20	24.70	16.30	66.20	6.70	6.60	6.60	34.30	40.00
7	55.20	13.40	30.00	21.50	19.60	17.30	34.80	7.50	6.60	6.60	50.70	44.90
8	38.40	13.10	23.10	24.90	116.70	176.50	53.80	8.20	6.00	6.00	62.10	40.00
9	35.80	13.10	21.90	30.50	30.50	126.90	237.00	8.20	5.50	5.50	42.10	59.40
10	31.90	11.60	21.90	23.90	13.10	30.70	265.10	7.70	6.20	6.20	42.10	58.40
11	30.00	11.60	20.70	27.30	7.20	28.20	96.30	7.70	24.20	24.20	41.00	37.90
12	27.70	12.50	23.90	23.90	4.40	187.90	44.30	12.20	23.00	23.00	55.00	56.80
13	24.50	16.70	19.90	19.90	29.10	210.50	51.30	7.20	46.40	46.40	35.60	55.60
14	52.90	15.70	303.40	19.20	14.70	46.00	114.70	46.00	7.20	7.20	45.50	34.80
15	38.40	11.90	189.00	75.40	26.90	55.80	28.20	17.00	17.00	17.00	40.00	34.30
16	33.60	11.50	42.90	29.10	23.10	45.20	23.90	17.00	17.00	17.00	38.90	40.00
17	30.00	12.20	58.90	44.30	23.50	36.30	21.50	5.50	5.50	5.50	37.90	149.60
18	27.30	12.40	45.20	81.40	21.90	37.30	19.20	5.00	5.00	5.00	40.00	41.00
19	25.10	11.60	52.60	58.90	20.50	55.80	157.90	4.20	4.20	4.20	40.00	26.60
20	23.10	10.20	42.10	23.50	17.40	158.40	18.50	5.70	5.70	5.70	42.10	18.10
21	21.90	12.20	50.70	29.50	15.70	97.30	15.30	5.30	5.30	5.30	36.50	17.70
22	17.70	17.40	33.50	23.50	15.30	61.40	14.40	5.20	5.20	5.20	51.50	17.40
23	15.70	15.00	2.00	210.50	21.10	40.00	13.70	6.40	13.10	13.10	40.00	17.00
24	15.00	14.70	27.70	32.60	16.00	29.50	19.20	7.50	7.50	7.50	40.00	16.70
25	14.00	17.40	26.00	44.30	13.70	23.90	12.20	7.20	7.20	7.20	14.20	14.20
26	13.70	26.40	24.70	41.00	57.60	19.20	33.50	8.20	8.20	8.20	14.90	14.90
27	14.00	21.50	23.90	46.60	23.50	64.10	29.10	5.90	5.90	5.90	13.70	31.90
28	15.00	23.80	23.90	46.60	23.50	29.10	29.10	5.20	5.20	5.20	12.00	36.30
29	13.70	27.50	23.10	41.00	21.10	19.60	19.60	5.00	5.00	5.00	69.70	69.70
30	23.10	23.10	23.10	40.00	17.40	69.70	16.70	5.00	5.00	5.00	48.90	53.20
31	19.90	26.90	26.90	40.00	14.70	11.10	11.10	19.90	19.90	19.90	58.40	58.40
SUM.	809.40	459.20	1449.90	1296.00	832.50	1892.70	1935.90	96.30	167.90	350.80	975.40	1246.375
MEAN	26.116	15.834	46.771	43.200	26.707	63.269	62.448	46.150	7.995	10.671	39.016	40.000
MAX.	55.20	33.80	303.40	210.50	114.70	210.50	265.10	85.20	14.40	26.00	62.10	149.60
MIN.	13.70	10.20	2.00	14	4.40	15.40	12.20	11.10	5.00	5.70	11.90	16.70

SAIDAI HOOSUI HEISUI TEISUI KASSUI SAISHO

1976. (1976)

DISCHARGE DURATION AT TANRU-TEONG IN THE BILA RIVER

351

301

251

201

151

102

51

	1	51	102	151	201	251	301	351
1	305.40	30.70	38.40	28.00	19.90	13.70	6.80	0.29
2	295.10	30.70	38.40	23.10	19.00	13.70	6.60	0.29
3	287.00	30.70	38.40	23.10	19.00	13.70	6.40	0.29
4	222.90	48.90	38.40	23.10	19.20	13.70	6.20	0.29
5	210.50	48.90	37.90	23.10	19.20	13.90	5.90	0.29
6	189.00	48.40	37.50	24.70	19.20	13.10	5.70	0.29
7	187.90	46.60	36.80	24.50	18.10	13.10	5.30	0.29
8	176.50	46.60	36.50	24.50	18.10	13.10	5.20	0.29
9	157.90	46.60	35.80	24.50	18.10	13.10	5.20	0.29
10	157.90	46.60	35.80	24.50	18.10	13.10	5.20	0.29
11	149.60	46.00	35.80	24.50	17.70	13.10	5.20	0.29
12	138.40	43.50	35.80	24.50	17.70	13.10	5.00	0.29
13	124.90	43.50	35.80	24.50	17.70	13.10	5.00	0.29
14	114.70	44.90	34.80	23.90	17.70	13.10	5.00	0.29
15	114.70	44.90	34.80	23.90	17.70	13.10	5.00	0.29
16	106.50	44.90	34.80	23.90	17.70	13.10	4.80	0.29
17	102.50	43.50	34.80	23.90	17.70	13.10	4.80	0.29
18	96.50	43.50	34.80	23.90	17.70	13.10	4.80	0.29
19	96.50	43.50	34.80	23.90	17.70	13.10	4.80	0.29
20	85.20	43.20	34.80	23.90	17.70	13.10	4.80	0.29
21	81.40	43.20	34.80	23.90	17.70	13.10	4.80	0.29
22	81.40	43.20	34.80	23.90	17.70	13.10	4.80	0.29
23	75.40	43.20	34.80	23.90	17.70	13.10	4.80	0.29
24	75.40	43.20	34.80	23.90	17.70	13.10	4.80	0.29
25	72.50	43.20	34.80	23.90	17.70	13.10	4.80	0.29
26	69.70	43.20	34.80	23.90	17.70	13.10	4.80	0.29
27	69.70	43.20	34.80	23.90	17.70	13.10	4.80	0.29
28	66.20	43.20	34.80	23.90	17.70	13.10	4.80	0.29
29	66.20	43.20	34.80	23.90	17.70	13.10	4.80	0.29
30	64.10	43.20	34.80	23.90	17.70	13.10	4.80	0.29
31	62.10	41.00	34.80	23.90	17.70	13.10	4.80	0.29
32	61.00	41.00	34.80	23.90	17.70	13.10	4.80	0.29
33	60.80	41.00	34.80	23.90	17.70	13.10	4.80	0.29
34	58.00	41.00	34.80	23.90	17.70	13.10	4.80	0.29
35	57.60	40.50	34.80	23.90	17.70	13.10	4.80	0.29
36	56.50	40.50	34.80	23.90	17.70	13.10	4.80	0.29
37	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
38	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
39	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
40	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
41	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
42	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
43	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
44	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
45	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
46	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
47	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
48	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
49	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29
50	55.00	40.00	34.80	23.90	17.70	13.10	4.80	0.29

1977. (1977)

DISCHARGE DURATION AT TANRU-TEODING IN THE GILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	41.00	-	42.10	140.40	62.70	35.60	15.00	13.70	11.30**	5.70**	3.40	12.30
2	38.40	-	42.10	28.80	27.70	31.40	15.70	13.40	11.10	5.20	3.30	44.30
3	28.70	-	42.10	23.70	22.40	35.30	44.30**	13.40	10.80	5.20	3.30	33.80
4	196.00**	-	41.60	67.60	33.00	34.90	17.40	13.10	10.80	4.60	3.30	34.30
5	64.10	-	41.00	33.80	33.30	34.30	16.00	13.10	10.30	4.40	3.30	34.80
6	36.20	-	40.30	42.10	23.20	37.30	26.40	13.10	10.20	4.20	3.20	34.80
7	33.60	-	41.60	33.20	46.00	37.30	27.70	12.80	10.00	3.70	3.00	31.90
8	33.30	-	42.70	33.80	74.00**	44.30	16.00	12.50	10.00	3.90	3.00	69.00
9	33.30	-	42.10	69.70	47.80	34.40	16.00	12.20	9.70	3.40	2.60	67.60
10	36.30	-	42.10	70.40	36.30	44.90	15.70	13.70	9.40	3.10	2.80	62.30
11	36.30	-	41.00	33.10	23.60*	37.90	13.70	12.30	9.20	3.00	2.80	33.80
12	33.30	-	41.60	31.30	34.30	37.30	13.30	13.30	8.90	2.70	2.80	34.80
13	33.30	-	37.60	76.90	61.40	37.90	13.30	32.00**	8.20	2.50	2.80	33.00
14	34.30	-	30.10	44.90	36.80	306.40	13.00	13.70	8.70	2.70	2.70	337.00**
15	34.30	-	42.10	31.90	42.10	23.70	14.70	13.70	8.70	3.00	2.70	200.80
16	33.80	-	44.30	163.40	38.90	23.70	17.40	21.10	8.40	3.20	2.70	111.10
17	18.80	-	42.10	33.10**	36.20	39.00	16.00	11.90	8.20	3.20	2.70	70.40
18	18.30	-	41.60	83.20	34.30	481.20**	13.70	11.90	8.20	4.80	2.70	62.10
19	16.20	-	42.10	43.80	41.60	204.40	13.30	11.30	7.90	4.40	2.70	46.00
20	17.70	-	44.90	33.30	39.40	78.40	13.30	11.30	7.70	4.20	2.70	43.20
21	17.70	-	42.10	33.30	36.80	45.30	13.00	11.10	7.20	4.10	2.70	47.20
22	16.10	-	42.10	33.80	31.90	33.30	17.40	10.80	7.20	3.90	2.70	43.20
23	18.30	-	42.10	62.10	30.90	27.30	16.00	10.80	7.00	3.70	2.70	43.20
24	19.90	-	43.20	66.90	30.90	21.40	13.70	10.30	7.00	3.70	2.80	79.10
25	22.70	-	43.60	32.40	30.30	36.80	13.30	10.30	7.00	3.60	2.90	83.70
26	22.30	-	39.40	30.90	30.30	18.10	13.00	10.20	6.80	3.60	2.70	63.30
27	21.90	-	38.90	34.30	30.30	17.70	13.00	10.00	6.40	3.40	2.70	34.20
28	21.30	-	36.90	30.30	29.50	17.00	14.70	11.10	6.40	3.40	2.70	100.70
29	21.10	-	30.70	30.00	30.30	17.00	14.70	11.90	6.20	3.40	1.60	44.90
30	20.70	-	40.80	191.30	30.90	17.00	14.40	11.90	3.90	3.40	1.90**	33.80
31	20.70	-	64.10**	30.90	30.90	14.00	14.00	11.60	3.40	3.40	1.90**	33.80
SUM.	1154.70	-	1388.60	2444.20	1160.70	2333.40	333.10	993.90	236.70	122.80	128.70	1038.20
MEAN	37.248	-	44.800	62.807	37.442	73.113	17.197	32.061	6.537	3.961	4.290	63.273
MAX.	196.00	-	64.10	333.10	74.00	481.20	44.30	332.00	11.30	5.70	11.90	237.00
MIN.	17.70	-	38.90	30.00	23.60	17.00	14.00	10.00	3.90	2.50	2.70	12.30

SAIDAI HOOSUI HEISUI TEISUI KASSUI SAISHO

1977. (1977)

DISCHARGE DURATION AT TANRU-TEGONG IN THE BILA RIVER

	1	51	101	151	201	251	301	351	391	
1	482.20	521.80	41.00	24.90	13.70	11.8	10.50	9.25	2.00	N
2	352.30	552.80	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
3	322.40	522.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
4	306.40	522.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
5	248.40	519.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
6	237.00	507.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
7	235.70	507.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
8	204.40	481.40	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
9	200.00	481.40	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
10	296.00	471.80	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
11	171.20	472.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
12	165.20	460.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
13	155.70	460.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
14	140.40	450.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
15	137.40	450.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
16	135.20	450.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
17	128.70	440.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
18	111.10	440.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
19	100.70	440.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
20	99.00	440.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
21	97.70	440.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
22	87.60	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
23	85.20	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
24	83.20	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
25	82.70	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
26	79.10	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
27	78.40	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
28	76.00	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
29	74.00	430.00	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
30	70.40	427.70	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
31	70.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
32	69.70	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
33	67.00	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
34	66.70	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
35	64.10	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
36	63.30	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
37	62.30	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
38	62.10	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
39	61.30	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
40	61.30	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
41	60.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
42	58.20	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
43	57.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
44	57.60	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
45	50.90	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
46	55.00	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
47	54.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
48	54.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
49	51.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N
50	51.40	421.10	41.00	30.90	13.70	12.8	10.50	9.25	2.00	N

1978. (1978)

DISCHARGE DURATION AT TANRU-TEONG IN THE BILA RIVER

	1	2	3	4	5	6	7	8	9	10	11	12
1	94.00	18.50	32.80	49.50	47.50	71.10	46.60	80.60	49.50	55.50	19.20**	-
2	49.50	18.10	19.90	23.10	238.50	94.00	61.40	90.40	49.50	46.00	18.50	-
3	45.20	16.10	36.50	19.90	181.00	111.10	79.90	51.90	94.90	41.00	17.70	21.50
4	74.00	17.70	19.90	19.90	231.80	92.40	60.20	49.90	52.60	40.50	-	18.50
5	177.90**	17.40	31.10	49.70	174.20	74.00	77.60	58.90	49.50	37.90	-	17.00
6	48.90	17.00	35.80	24.10	95.20	74.90	74.00	127.70	49.50	26.80	-	15.50
7	55.70	16.70	172.00**	29.10	26.90	104.10	104.10	55.70	50.70	21.90	-	15.50
8	25.10	16.50	42.00	35.50	80.00	51.90	50.70	202.00**	162.50	18.50	-	15.00
9	21.90	16.20	56.90	155.50	76.20	42.10	47.80	60.20	62.40	18.40	-	14.40
10	19.90	27.50	156.90	84.50	269.20	41.60	47.80	48.90	50.10	17.40	-	14.40
11	19.90	19.20	56.50	58.90	60.80	40.50	55.20	48.90	50.40	17.00	-	14.40
12	65.50	19.20	44.50	25.10	50.90	46.60	55.00	46.90	63.50	17.00	-	14.40
13	61.60	19.20	21.90	19.90	19.90	95.70	65.50	90.80	49.50	16.50	-	18.80
14	45.80	19.20	21.10	19.60	650.00**	120.20	175.40	62.00	49.50	16.50	-	46.00
15	45.20	18.80	21.10	19.20	300.50	129.60	71.80	68.40	49.50	16.00	-	110.50
16	45.20	18.50	23.50	19.20	104.50	46.90	55.50	50.10	49.50	19.00	-	21.10
17	45.80	18.50	20.70	19.20	257.60	45.50	215.40	74.00	55.70	15.70	-	55.00
18	62.00	18.10	50.70	19.20	66.50	51.90	75.40	101.50	51.90	15.70	-	56.50
19	62.00	20.50	25.00	19.20	51.50	151.00	49.90	50.10	65.90	15.70	-	75.40
20	45.80	19.90	51.90	19.20	44.50	44.50	49.50	50.10	157.40	18.50	-	50.90
21	126.70	19.90	25.50	19.20	27.50	45.80	66.20	50.10	176.50	59.50**	-	20.50
22	105.00	62.40**	21.10	22.70	27.50	45.50	62.00	50.10	190.50**	21.10	-	56.50
23	57.00	51.50	23.50	19.60	27.50	71.10	355.90**	50.10	78.40	21.90	-	17.40
24	51.40	19.90	60.00	19.60	27.90	79.10	104.40	50.10	50.10	51.00	-	16.00
25	27.70	19.60	42.10	19.20	44.90	57.60	44.90	50.10	49.50	40.50	-	27.70
26	24.70	19.60	25.00	20.50	28.20	371.00**	75.20	48.90	50.10	55.50	-	297.60**
27	21.90	19.20	25.90	22.70	28.50	94.90	178.70	46.00	50.10	20.50	-	26.00
28	19.60	19.20	129.60	142.50	28.20	47.60	77.60	48.90	50.10	19.90	-	23.50
29	19.20	19.20	42.10	454.20**	28.20	46.90	60.20	48.90	50.10	19.00	-	23.90
30	19.20	19.20	55.50	94.90	28.20	46.60	122.00	48.90	41.60	19.20	-	16.00
31	18.50	19.20	24.70	58.40	58.40	111.10	49.50	49.50	49.50	19.20	-	16.00

SUM. 1575.80 607.60 1380.70 1566.80 3567.50 2349.70 2797.10 2054.40 2078.40 6053.40 55.40 1264.00 20101.56

MEAN 50.768 21.700 44.559 52.295 125.707 78.225 90.229 65.626 69.280 25.916 18.467 45.624 60.1883

MAX. 177.60 62.80 172.00 454.20 650.00 571.60 555.90 202.00 190.20 190.20 59.50 19.20 297.00 650.000

MIN. 18.50 16.50 19.60 19.20 26.90 40.50 46.60 48.90 41.60 15.70 17.70 14.40 14.40

SAITAI HOOSUI HEISUI TEISUI KASSUI SAISHO

1	607.60	185.20	597.60	407.60	164.650	707.00	677.00	627.60	677.00	517.40	18467	162375
2	51.020	19.090	53.460	21.670	175.462	75.250	85.960	66.560	62.050	164.20	-	61.510
3	41.255	28.937	41.227	66.450	151.955	69.020	115.216	69.445	78.750	29.600	-	47.556
4	87.660	17.960	26.000	54.420	260.560	69.520	69.140	59.220	59.200	59.740	18.467	18.867
5	50.760	19.080	92.320	61.100	109.100	52.080	64.840	98.760	74.920	22.540	-	14.860
6	50.760	19.120	52.940	26.140	255.550	66.520	63.320	67.960	52.420	16.520	-	40.760
7	51.280	19.660	55.980	19.120	41.575	65.480	88.660	65.160	71.680	16.520	-	81.860
8	66.140	34.700	34.120	19.480	29.500	54.540	128.920	49.980	109.060	26.860	-	25.540
9	20.517	19.555	47.150	152.920	54.467	121.500	103.180	49.000	48.400	22.250	-	67.167

1976 (1976)

DISCHARGE DURATION AT TARRU-TEONG IN THE BILA RIVER

	201	251	301	351	401	451	501	551	601	651
1	650.00	5.14	90.60	8.2	35.00	7.12	66.90	8.10	25.50	3.20
2	477.50	5.1	90.60	8.13	35.00	4.7	66.90	8.11	25.50	3.20
3	434.20	4.29	80.40	8.13	35.00	12.17	66.90	8.12	25.50	10.29
4	371.90	6.26	64.50	4.10	35.80	3.30	48.90	8.26	20.30	1.1
5	355.90	7.25	61.40	3.15	35.20	7.11	48.90	8.27	20.30	1.1
6	300.50	3.15	82.20	7.1	35.20	7.16	46.00	8.28	20.30	1.1
7	247.60	12.26	80.60	8.1	32.90	9.4	46.90	8.29	20.90	2.4
8	249.20	3.20	80.00	3.6	31.90	3.20	46.90	8.30	20.90	2.4
9	236.50	3.2	79.90	3.6	31.90	3.6	47.80	8.28	20.90	2.4
10	231.60	3.1	79.90	7.5	31.90	6.16	47.80	8.29	20.90	2.4
11	225.90	7.17	79.10	9.25	31.90	8.7	47.80	8.30	20.90	2.4
12	211.70	12.16	78.40	9.25	31.90	9.16	46.00	8.12	20.20	3.29
13	202.00	8.8	77.60	7.2	31.30	2.25	46.00	8.14	20.20	3.29
14	192.50	4.28	77.60	7.28	31.30	3.19	46.00	8.29	21.70	1.25
15	190.20	9.22	76.20	5.9	31.20	10.24	46.00	8.20	21.70	1.25
16	181.00	3.2	75.40	7.18	30.70	7.14	46.00	8.20	21.30	2.10
17	176.70	7.27	75.20	11.19	30.70	7.8	46.00	10.12	21.30	2.10
18	177.60	1.5	74.00	1.4	30.70	9.7	46.00	12.14	21.30	3.25
19	174.50	9.21	74.00	5.4	30.10	8.16	45.50	12.17	21.30	3.25
20	174.20	5.5	74.00	7.6	30.10	8.19	45.50	8.25	21.30	3.25
21	175.10	7.14	74.00	8.7	30.10	8.20	45.50	5.12	21.90	3.7
22	171.00	3.7	73.20	7.26	30.10	8.21	45.50	6.12	21.90	3.7
23	162.20	9.8	71.80	7.15	30.10	8.22	45.50	1.14	23.40	2.26
24	159.90	3.10	71.10	6.25	30.10	8.24	45.80	1.17	23.40	2.26
25	157.40	3.17	71.10	6.25	30.10	8.24	45.80	1.20	23.40	2.26
26	157.40	9.20	69.70	9.4	30.10	8.10	45.80	6.21	24.70	1.19
27	153.50	4.19	68.20	7.18	30.10	9.24	45.80	6.22	24.70	1.19
28	151.60	6.19	68.20	7.18	30.10	9.24	45.80	1.13	24.70	1.19
29	129.60	3.28	65.50	1.12	30.10	9.25	45.20	1.15	23.50	3.19
30	129.60	6.15	65.90	9.19	30.10	9.26	45.20	1.16	23.50	3.19
31	128.70	1.21	65.50	7.13	30.10	9.27	45.20	3.25	23.10	3.25
32	127.00	6.6	65.50	9.13	30.10	9.28	45.20	3.29	23.10	3.25
33	120.20	6.14	64.80	1.19	30.10	1.2	45.20	6.10	23.10	4.12
34	111.10	6.2	63.60	2.22	49.50	7.19	41.00	9.28	23.10	4.28
35	111.10	7.21	63.60	8.14	49.50	7.20	41.00	10.2	22.70	4.28
36	110.20	12.15	63.80	8.14	49.50	8.25	41.00	10.2	22.70	4.28
37	106.50	3.16	63.10	9.9	49.50	8.25	40.50	11.14	21.90	1.27
38	105.00	7.27	60.60	3.11	49.50	9.1	40.50	11.25	21.90	1.27
39	104.10	7.27	60.60	3.11	49.50	9.1	40.50	11.25	21.90	1.27
40	104.10	7.24	60.20	7.4	49.50	9.2	38.90	4.11	21.90	1.27
41	101.50	8.18	60.20	7.29	49.50	9.2	38.40	5.12	21.90	1.27
42	101.50	8.15	60.20	8.9	49.50	9.2	37.90	10.25	21.90	1.27
43	95.70	6.20	59.50	10.21	49.50	9.15	37.90	10.25	21.50	1.27
44	94.90	6.27	58.90	8.2	49.50	9.14	37.50	5.25	21.10	3.14
45	94.90	6.2	58.90	7.25	49.50	9.15	36.40	10.26	21.10	3.14
46	94.00	1.1	56.90	3.29	49.50	9.16	36.30	12.17	21.10	3.14
47	94.00	1.1	56.90	3.29	49.50	9.16	36.30	12.18	21.10	3.14
48	94.00	3.2	56.50	3.11	48.90	10.7	36.30	12.22	21.10	3.14
49	93.20	3.6	55.70	1.17	46.90	12.2	36.30	12.22	21.10	3.14
50	92.60	8.6	55.70	9.17	46.90	12.2	35.40	3.26	20.70	3.17

Year: 1977

T. Tedong

Discharge Duration

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1		16.7		22.0	22.2	75.0	12.6	10.4	19.0	13.2	8	20.5
2		16.2		22.0	55.3	33.0	11.2	10.6	66.5	12.7	10.1	12.8
3		25.0		24.1	44.0	44.0	12.1	12.6	21.2	12.6	10.1	17.0
4		29.2		24.7	57.8	63.1	9.3	14.2	16.8	12.3	10.9	27.3
5		14.0		67.3	53.4	52.8	8.5	12.2	43.5	12.0	12.0	17.5
6		29.0		202.5	78.7	150.0	6.1	13.7	212.2	12.0	11.8	14.8
7	20.5	51.0		119.7	58.5	105.4	7.0	12.7	69.4	12.0	9.3	31.6
8	23.0	77.2		68.6	174.7	68.6	13.2	14.6	23.6	12.0	6.5	16.5
9	27.9	48.6		77.2	23.5	179.2	22.8	14.5	17.5	10.7	7.2	47.0
10	106.2	51.0		71.4	21.6	454.6	71.4	13.6	20.5	10.4	7.6	22.0
11	30.2	67.4	27.0	46.7	18.2		48.0	12.3	456.4	10.7	6.8	15.8
12	21.6	138.8	27.0	26.6	-		49.2	12.0	155.2	10.6	9.3	12.7
13	39.7	143.9	5.6	37.0	-		29.6	13.2	23.5	10.1	9.0	12.7
14	28.8	162.7	26.6	26.6	32.1		15.5	14.8	26.2	9.3	6.5	12.6
15	26.2	64.4	26.6	26.6	33.0		9.8	13.9	23.6	9.0	9.3	12.3
16	24.5	57.2	26.2	26.2	26.6		7.3	12.3	20.9	6.8	10.1	23.3
17	21.6		26.2	26.2	23.6	51.0	6.3	11.5	18.2	6.3	10.1	22.8
18	17.7		25.7	25.7	22.6	17.0	16.8	11.5	16.8	2.0	9.4	27.7
19	17.7		25.7	25.7	20.9	214.7	22.8	11.2	15.8	9.0	6.5	25.7
20	15.8		-	-	-	237.2	20.9	10.7	12.0	5.5	10.1	20.7
21	12.8		10.9	10.9	-	159.4	16.8	10.6	23.2	11.2	12.2	4.0
22	21.2		12.0	12.0	-		12.6	10.4	15.8	9.2	11.5	2.1
23	39.5		12.0	12.0	-		10.6	10.1	10.5	2.5	11.2	4.0
24	14.8		13.7	13.7	-		7.6	10.1	13.7	5.1	11.6	9.1
25	21.1		13.6	13.6	-		8.6	10.1	13.6	7.5	10.9	2.7
26	57.2		27.7	27.7	-		7.8	32.5	13.2	2.0	10.6	43.5
27	91.2		57.2	57.2	16.2		7.6	13.9	12.2	2.0	12.6	37.8
28	77.7		91.2	65.8	15.7		2.1	10.6	16.5	7.2	11.5	22.6
29	75.0		75.0	49.3	17.0		8.5	10.1	14.8	5.1	30.7	23.2
30	196.0		196.0	41.8	24.1		2.0	21.6	12.7	1.5	27.0	22.2
31	22.6		22.6	17.7	17.7		71.0	55.3	12.7	6.1	26.5	36.5
Max.	106.2	162.7	186.0	262.0	174.7	527.2	71.4	93.5	456.4	13.2	37.0	47.4
Min.	24.5	46.0	46.9	22.9	10.1	147.1	17.1	15.2	48.5	9.9	11.8	21.1
Mini.	15.8	16.2	26.2	10.9	14.8	19.0	6.3	10.1	23.7	7.8	7.6	5.1



T. Tedong  
Year: 1980

Discharge Duration

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	79.5	12.0	34.5			40.4	35.5	33.0	12.6		6.9	8.5
2	38.1	14.5	25.7			40.4	35.0	32.6	12.9		8.1	8.7
3	27.5	13.9	17.5			72.0	37.5	32.6	12.9		7.0	8.3
4	22.0	42.4	22.9			62.0	37.5	35.6	12.4		7.1	10.4
5	21.2	17.9	23.6			61.1	37.0	32.6	12.6		6.3	12.3
6	18.3	13.6	21.2			63.4	37.0	33.0	12.6		6.0	11.8
7	17.5	12.9	19.0			59.8	37.0	33.0	12.0		6.0	15.1
8	16.9	12.6	20.1			42.4	34.0	33.5	11.2		5.8	15.8
9	17.5	12.3	38.1			52.0	33.5	33.0	11.2		9.6	13.6
10	22.8	25.3	24.1			118.7	33.5	32.6	10.4		7.6	15.1
11	23.5	15.1	19.2			72.3	33.5	45.7	10.4		6.3	24.5
12	44.6	12.6	17.9			52.0	33.5	45.7	9.6		6.0	26.6
13	53.9	12.6	16.5			40.4	34.5	22.8	9.9		6.0	16.5
14	36.5	13.6	22.1			81.4	34.0	18.6	8.5		5.8	13.2
15	27.5	15.1	23.2			265.6	33.5	15.8	8.8		6.0	11.2
16	22.4	14.8	17.9			201.3	33.5	18.7	8.5		6.5	9.6
17	20.7	19.2	16.5			220.9	33.5	15.5	9.3		7.0	8.5
18	22.0	14.2	17.5			222.2	34.0	15.5	9.3		6.9	7.0
19	22.1	12.3	20.5			387.1	34.0	15.1	9.3		6.5	10.9
20	23.6	12.0	16.2			603.7	35.0	14.8	7.3		11.5	9.8
21	27.0	12.0	13.0			222.1	32.4	14.5	10.1		7.1	23.6
22	21.6	20.9	13.9			13.1	34.0	14.5	2.8		6.0	27.1
23	23.2	17.2	12.9			62.2	33.5	17.2	10.4		6.0	23.2
24	19.0	15.1	12.9			12.4	33.0	14.2	13.9		13.0	17.9
25	17.2	13.2	12.6			61.8	33.0	13.9	10.7	6.7	9.0	19.3
26	16.5	17.7	12.0			61.8	35.0	13.9	9.6	8.3	24.5	11.8
27	14.2	21.9				11.1	33.0	12.9	9.3	15.8	24.9	40.9
28	16.8	23.6				62.4	33.0	12.9	9.8	10.1	16.8	13.2
29	16.2	21.6				61.8	34.6	12.3	9.8	8.5	10.9	10.9
30	14.2					61.8	37.1	12.6	10.6	7.8	8.8	9.8
31	12.9						37.1	12.6		7.3		9.3
Max.	77.5	42.9	38.1			603.7	65.4	45.7	13.9	15.8	24.9	31.1
Avg.	26.1	17.7	20.0			120.6	34.6	22.8	10.5		9.0	14.5
Mini.	13.9	12.0	12.0			59.8	32.1	12.3	8.5	6.7	5.8	8.1

Nov. 1981

T. Tedong

Duration

Discharge

Table

MONTH DATE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	9.0	5.6	26.2	67.9	62.1	9.2	10.1	31.6	8.8			
2	9.0	5.6	23.2	52.5	65.1	17.9	12.0	27.5	9.3			
3	8.8	5.1	14.2	108.0	153.1	12.5	23.6	24.1	8.5			
4	7.8	6.3	11.8	219.7	145.7	8.8	35.4	21.6				
5	7.3	6.3	28.8	68.6	308.5	6.7	10.6	19.7				
6	7.0	6.0	35.5	61.8	102.7	5.6	56.6	17.9				
7	12.0	5.4	54.7	34.7	77.2	4.9	187.2	20.9				
8	14.2	5.4	17.5	29.3	96.9	5.6	98.0	12.6				
9	11.5	5.0	12.9	56.6	116.9	8.3	29.7	21.6				
10	10.1	10.6	17.7	31.1	70.0	7.6	19.0	17.9				
11	9.6	13.6	22.8	55.9	150.3	22.8	29.7	15.2				
12	10.1	2.6	36.0	16.1	237.5	10.6	53.2	14.8				
13	8.8	6.9	22.6	36.0	159.4	4.7	58.5	14.2				
14	8.3	5.0	20.7	13.5	127.2	3.8	17.4	13.2				
15	7.6	5.2	15.1	4.7	362.6	33.5	426.2	12.6				
16	7.9	5.4	12.7	13.2	601.6	18.2	325.0	12.3				
17	7.1	5.0	39.1	14.8	549.0	5.4	395.4	11.7				
18	6.2	4.7	27.5	22.0	454.6	13.4	233.6	11.6				
19	7.1	6.0	18.6	15.1	192.9	116.0	356.2	11.6				
20	1.7	6.7	14.5	19.9	85.6	32.1	158.4	11.2				
21	1.7	5.4	26.6	12.3	71.4	20.1	123.4	56.6				
22	1.7	5.0	19.0	39.1	66.5	20.8	445.6	21.5				
23	1.0	5.0	30.7	137.8	84.0	26.2	426.2	13.9				
24	2.0	10.4	14.5	30.7	111.5	39.1	624.6	11.7				
25	1.7	7.8	24.7	22.8	112.4	19.5	382.7	11.2				
26	1.5	7.3	29.4	39.1	36.5	12.3	369.0	12.3				
27	1.7	13.2	20.9	45.1	31.1	10.6	145.9	15.5				
28	1.7	33.6	25.4	156.3	27.5	7.3	71.4	11.5				
29	1.5	33.6	20.0	36.5	16.1	6.9	57.6	9.2				
30	1.0	33.6	51.8	23.6	12.3	17.2	42.9	7.3				
31	1.0	33.6	37.7	33.6	9.8	17.2	34.5	8.8				
1981	19.0	52.5	238.8	241.5	601.6	134.7	624.6	56.6				
Ave.	8.5	7.6	146.7	58.5	150.5	21.7	180.3	17.3				
Mini.	1.7	4.9	11.8	4.7	12.3	3.8	10.1	6.2				

YAPSIY TABLE OF DAM: Discharge

1978 (1978)

River System	Gilrong	River	Gilrong	Station	Gilrong
Salonging to	735A	Catchment Area			
Day	Mon	Apr	1978	10.0	
1				0.8	
2				0.5	
3				0.5	
4				1.1	
5				1.1	
6				0.8	
7				0.7	
8				0.7	
9				0.8	
10				0.2	
11				0.2	
12				0.2	
13				0.2	
14				0.2	
15				0.2	
16				0.2	
17				0.2	
18				0.2	
19				0.2	
20				0.2	
21				0.2	
22				0.2	
23				0.2	
24				0.2	
25				0.2	
26				0.2	
27				0.2	
28				0.2	
29				0.2	
30				0.2	
31				0.2	
Total				10.0	
Average				0.32	
Max				1.1	
Min				0.2	

YEARLY TABLE OF DAILY DISCHARGE

1979

River System	Girang			Girang			Girang			Station	Girang		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
Bolongne to RBSA	1	12.1	-	1.0	0.0	22.2	-	-	1.0	6.8	1.0	0.1	1.0
	2	24.0	-	1.9	0.1	6.8	-	-	2.1	8.4	1.4	0.1	0.9
	3	23.2	-	1.7	0.3	8.8	-	-	2.1	7.6	1.2	1.7	12.1
	4	20.7	0.5	1.0	1.0	-	-	-	4.1	14.1	4.1	0.5	2.3
	5	20.7	2.1	0.7	-	-	-	-	4.1	14.1	-	0.8	6.8
	6	23.2	0.1	0.0	-	-	-	-	4.1	12.6	-	0.5	2.5
	7	15.1	0.1	0.0	-	-	-	-	3.6	5.0	-	0.5	1.7
	8	5.4	1.1	0.0	5.7	-	-	-	3.3	1.0	-	0.3	5.4
	9	4.0	-	0.0	43.7	-	-	-	3.6	0.5	-	0.4	1.0
	10	3.0	-	0.0	21.4	-	-	-	2.8	1.7	-	0.4	1.0
	11	5.3	1.2	0.1	6.8	-	-	-	21.4	0.7	-	0.3	0.9
	12	-	0.7	0.1	5.7	-	-	-	40.3	0.6	-	0.3	0.9
	13	-	2.8	0.1	-	-	-	-	12.0	-	2.7	0.5	1.7
	14	1.4	3.0	0.0	-	-	-	-	4.1	0.8	9.7	0.9	1.4
	15	5.0	1.0	0.0	2.1	-	-	-	3.3	2.1	6.1	0.1	0.5
	16	0.9	0.9	0.0	1.1	-	-	-	1.9	1.2	4.1	0.1	1.2
	17	0.7	0.9	0.0	0.5	-	-	-	2.1	0.9	3.6	0.1	0.5
	18	0.9	0.8	0.1	0.6	-	-	-	28.8	0.8	2.8	0.1	1.5
	19	0.0	0.8	0.1	-	-	-	-	108.2	0.5	2.8	0.1	0.9
	20	0.0	0.8	0.1	-	-	-	-	15.0	0.4	2.9	0.1	0.8
	21	3.8	0.8	0.8	-	-	-	-	14.1	0.3	1.7	0.8	0.5
	22	0.4	0.8	0.2	-	-	-	-	12.6	0.3	1.4	0.8	0.3
	23	2.1	0.8	0.1	1.4	-	-	-	1.5	0.1	1.0	0.4	0.3
	24	1.4	0.8	0.1	3.0	-	-	-	2.5	0.1	0.9	0.3	0.3
	25	0.7	1.7	0.0	0.0	-	-	-	2.5	0.1	0.9	0.3	0.3
	26	0.7	2.0	1.1	0.0	-	-	-	0.4	2.1	0.9	0.1	0.3
	27	0.9	3.6	1.0	-	-	-	-	13.6	2.1	2.1	0.1	1.2
	28	0.8	2.3	0.7	-	-	-	-	6.8	1.0	5.1	0.1	4.9
	29	0.8	-	-	-	-	-	-	3.0	1.0	3.0	0.1	0.6
	30	0.8	-	-	-	-	-	-	2.8	44.6	2.1	0.1	0.3
	31	-	-	-	-	-	-	-	2.5	12.6	-	0.1	0.3
TOTAL	176.4	28.9	12.4	110.2	-	-	-	303.6	132.7	88.4	11.8	40.7	33.4
Average	5.5	1.3	0.4	6.5	-	-	-	10.8	4.3	4.0	0.4	1.4	1.1
Max	24.8	3.6	2.1	43.3	-	-	-	108.2	44.6	2.7	1.4	6.8	12.1
Min	0.0	0.1	0.0	0.0	-	-	-	1.5	0.1	0.9	0.1	0.1	0.1

YEARLY TABLE OF DAILY DISCHARGE

1980

River System	Gilirang			Rayer			Gilirang			Station			Gilirang
	Flow (m³/s)	Area (ha)	Depth (m)	Flow (m³/s)	Area (ha)	Depth (m)	Flow (m³/s)	Area (ha)	Depth (m)	Flow (m³/s)	Area (ha)	Depth (m)	
P33A	0.3	-	-	47.9	17.1	8.4	1.0	6.1	0.1	0.3	0.1	0.1	
	0.5	-	-	123.0	6.4	9.2	3.3	3.3	0.1	0.3	0.1	0.1	
	0.5	-	-	74.6	144.9	6.4	1.9	2.1	0.1	0.3	0.1	0.1	
	0.3	-	-	35.5	41.6	5.7	1.0	1.5	0.1	0.2	0.1	0.1	
	0.1	-	-	76.3	11.6	3.6	0.9	1.2	0.1	0.2	0.1	0.1	
	0.1	-	-	25.4	51.4	3.8	3.6	0.9	0.1	0.5	0.1	0.1	
	0.1	-	-	22.5	15.2	3.8	15.8	0.6	0.1	0.2	0.5	0.5	
	0.1	-	-	9.3	10.6	4.1	209.0	0.6	0.1	0.1	0.1	1.0	
	0.1	-	-	6.1	10.6	3.0	32.8	0.6	0.1	0.1	0.1	0.3	
	0.1	-	-	5.2	6.1	2.5	7.6	0.2	0.1	0.1	0.1	0.1	
	0.1	-	-	5.2	7.6	1.4	3.8	0.2	0.1	0.1	0.1	0.1	
	0.1	-	-	5.2	5.2	1.0	3.0	0.2	0.1	0.1	0.1	0.1	
	0.2	-	-	4.7	8.8	22.5	1.2	0.2	1.4	0.1	0.1	0.2	
	0.2	-	-	3.3	31.3	6.1	1.2	0.2	0.6	0.1	0.1	0.1	
	0.2	-	-	24.1	113.7	3.3	1.8	0.2	1.2	0.1	0.1	0.1	
	0.2	-	-	21.4	38.3	2.6	1.0	0.2	1.4	0.1	0.1	0.1	
	0.2	-	-	9.7	6.8	2.1	1.0	0.2	0.9	0.1	0.1	0.1	
	0.3	-	-	8.4	8.4	1.2	1.9	0.2	0.6	0.1	0.1	0.1	
	0.1	-	-	4.4	4.4	1.2	19.1	0.2	0.4	0.1	0.1	0.1	
	0.4	-	-	21.4	21.4	1.2	5.2	0.2	0.3	0.1	0.1	0.0	
	0.3	-	-	36.3	21.4	0.9	7.6	0.2	0.1	0.1	0.1	0.0	
	0.3	-	-	37.5	17.6	0.8	15.8	0.2	0.1	0.1	0.1	0.1	
	0.3	-	-	48.1	6.4	1.4	7.6	0.2	0.1	0.1	0.1	0.1	
	0.3	-	-	14.1	6.1	1.0	3.3	0.2	0.1	0.1	0.1	0.1	
	0.8	-	-	21.4	9.3	1.0	3.6	0.2	0.1	0.1	0.1	0.1	
	1.5	-	-	10.6	4.4	1.0	4.1	0.2	0.1	0.1	0.1	0.1	
	2.5	-	-	28.8	6.1	0.9	23.8	0.2	0.1	0.1	0.1	0.1	
	3.8	-	-	202.4	36.3	0.8	31.7	0.1	1.7	0.3	0.1	0.1	
	5.4	-	-	129.6	10.6	0.6	9.3	0.1	1.2	0.1	0.1	0.1	
	5.4	-	-	49.1	7.6	0.8	3.6	0.1	0.9	0.1	0.1	0.1	
	5.4	-	-	14.1	0.3	1.5	0.8	0.1	0.8	0.1	0.1	0.1	
TOTAL	33.1	597.1	1129.1	638.7	101.0	424.8	20.8	15.1	4.7	4.5	4.5		
Average	1.1	23.0	36.4	24.6	3.4	13.7	0.7	0.5	0.2	0.1	0.1		
Max	5.4	223.4	202.4	194.9	22.5	209.0	6.1	1.4	0.5	1.0	1.0		
Min	0.1	1.0	0.3	4.4	4.3	1.0	0.1	0.1	0.1	0.0	0.0		

YEARLY TABLE OF DAILY DISCHARGE

YEAR (1981)

RIVER SYSTEM	Gilirang		RIVER	Gilirang		STATION	Gilirang
	DATE	DISCHARGE (m <sup>3</sup> /sec)		DATE	DISCHARGE (m <sup>3</sup> /sec)		
P3SA	1	0.1	0.2	0.1			
	2	0.1	0.2	0.1			
	3	0.1	0.2	0.1			
	4	0.0	0.2	0.1			
	5	0.0	0.2	0.1			
	6	0.0	0.2	0.1			
	7	0.0	0.2	0.1			
	8	0.0	0.2	0.1			
	9	0.0	0.2	0.1			
	10	0.0	0.1	0.1			
	11	0.0	0.1	0.1			
	12	0.0	0.1	0.1			
	13	0.0	0.1	0.1			
	14	0.0	0.1	0.1			
	15	0.0	0.1	0.1			
	16	0.0	0.1	0.1			
	17	0.0	0.1	0.1			
	18	0.0	0.1	0.1			
	19	0.0	0.1	0.1			
	20	0.0	0.1	0.1			
	21	0.0	0.1	0.1			
	22	0.0	0.1	0.1			
	23	0.0	0.0	0.1			
	24	0.1	0.0	0.1			
	25	0.1	0.0	0.1			
	26	0.1	0.1	0.1			
	27	0.1	0.1	0.1			
	28	0.1	0.1	0.1			
	29	0.1	0.1	0.1			
	30	0.1	0.1	0.1			
	31	0.1	0.1	0.1			
Total	1.1	2.2	2.2	1.1			
Average	0.0	1.0	1.0	0.0			
Max	1.0	2.0	2.0	1.0			
Min	0.0	0.0	0.0	0.0			