-9	. Hydraulic	Simulatin of	1988 Flood	s for With I	lood Mitiga	ition Plan	

为这是一个生物,也不可以不可以不是一个情况,只要有人的意思的,也是不是一个人的,也是一个人的,也是一个人的,也是一个人的,也是一个人的,也是一个人的,也是一个人的, 一个人的,也是一个人的,也是一个人的

9.1 With Polder Dike/Wall and Without River Dredging

PROCESS OF HYDRAULIC SIMULATION OF 1988 FLOODS FOR WITH FLOOD MITIGATION PROJECTS (WITH POLDER DIKE/WALL AND WITHOUT RIVER DREDGING)

(1) River System: Same as the condition of Without Flood Mitigation Project

(2) River Cross Section: Taking into account the locations of polder dike/wall, input

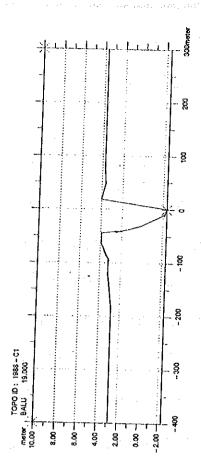
the revised river cross sections.

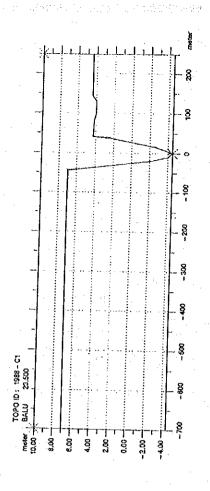
(3) Boundary Condition: Boundary discharges, water level at Kalagachia(BWDB

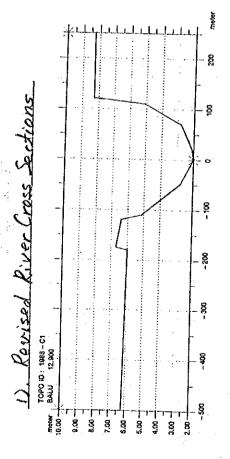
Sta.71) and rainfall ruoffs are same as the condition of

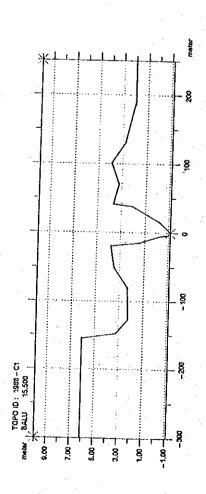
Without Flood Mitigation Project.

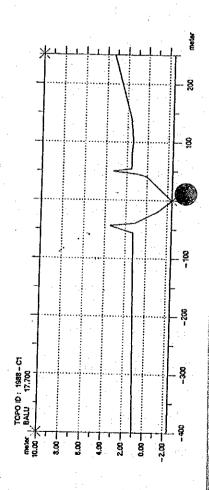
(4) Manning's Rough: Same as the condition of Without Flood Mitigation Project ness Coefficient

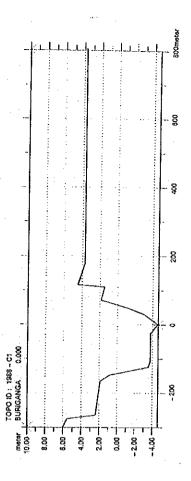


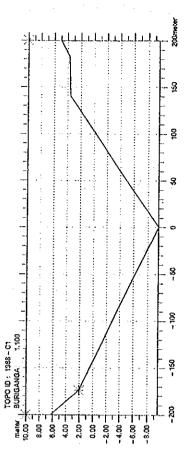


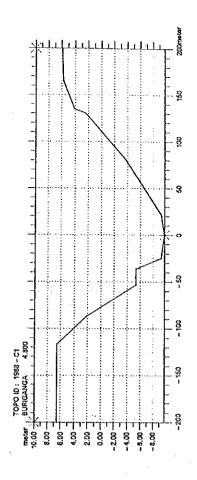


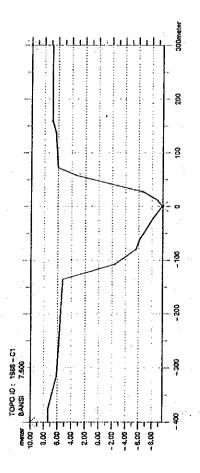


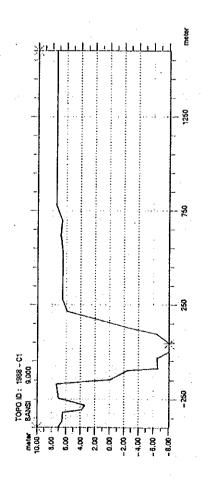


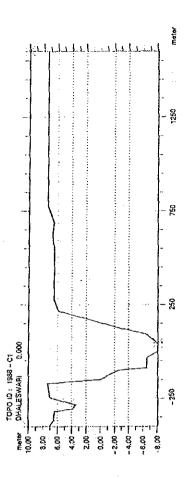


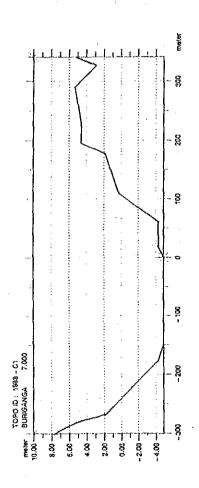


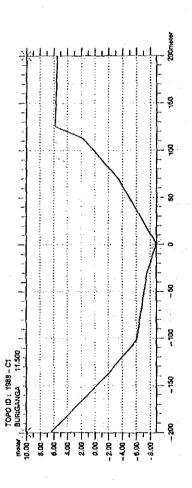


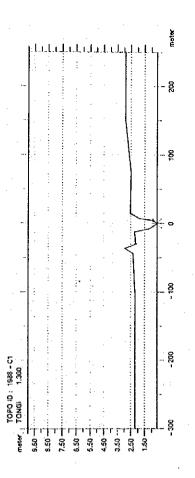


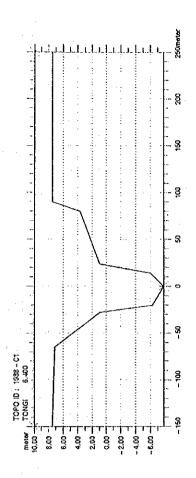


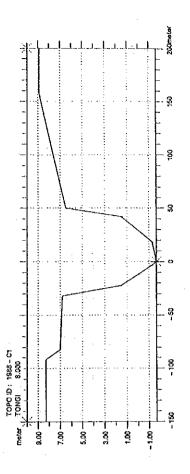


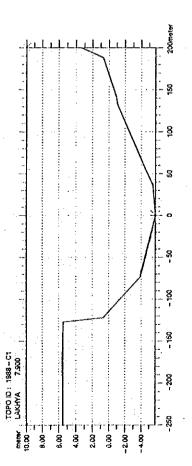


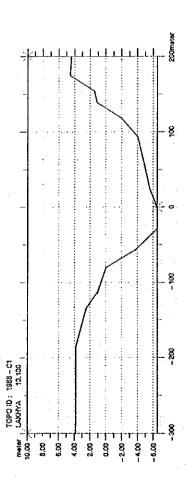


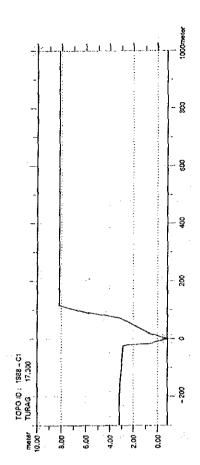


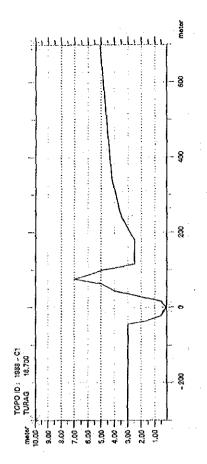


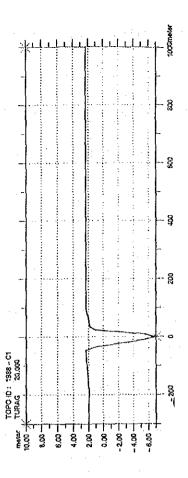


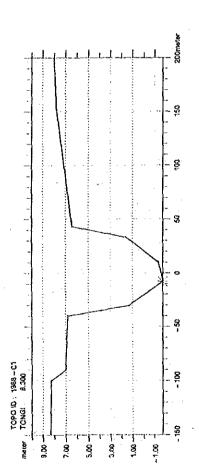




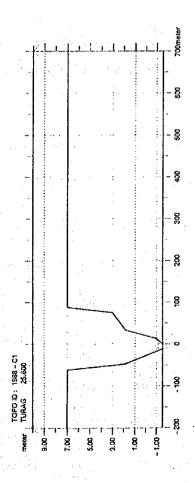








D - 220 -



				1988-C1 BALU	•		
1988-C1				15.1	500		
BALU				COORDINATES	,		
12.	900			1	90,488	23.8	21
COORDINATES	500		•	FLOW DIRECTIO			
1	90.479	23.8	837	0	.,,		
FLOW DIRECTI		•		DATUN			
0	• • • • • • • • • • • • • • • • • • • •			0.00			
DATUM				PROFILE	21		
0.00	:		•	-300.00	10,00	1.00	<1>
PROFILE	14			-300.00	6.10	3.33	
-500.00	10.00	1.00	<1>	-155.00	6.10	3.33	
~500.00	6.20	3.33		-148.00	3.25	3,33	
-180.00	6.00	3.33		-128.00	2.25	3.33.	
-175.00	6.70	3.33		-80.00	2.30	3.33	
~120.00	6.10	3.33	Milanton	-50.00	3.50	3.33	
~110.00	5.10	1.00	-M2/M1=1.00	~19.00	3.80	3.33	
-50.00.	2.80	1.00		-15.00	1.50	1.00	
0.00	2.00	1.00	<5>	-5.00	-0.30	1.00	100
20.00	2.10	1.00		-1.00	-1.00	1.00	
70.00	2.80	1.00		0.00	-1.15	1,60	<2>
110,00	5.10	1.00		15.00	~0.20	1.00	
120.00	8.30	1.00	_ M2/M=3.33	38.00	2.10	1.00	- "
250.00	8.30	3.33	-	11.00	3.70	1.00	
250.00	10.00	3.33	<3>	70.00	3.25	3.33	
*******	********	*******		101.00	3.90	3.33	
and the second second				130.00	2.80	3.33	
n.=	0.030			190.00	2.00	3.33	
				250.00	2.00	3.33	
N2 =	0.100			250.00	10.00	3.33	<3>
				*******	*********	******	
				21.	= 0.030		

Note: M: Manning's roughness coefficient of river channel

M: Manning's roughness coefficient of flood plain

1988-C1				1988-C1	•		
BALU				BALU			
	.700		- *	19.	000		
COORDINATES				COORDINATES	•		
1	90.486	23.	802	i	90.480	23.1	790
•	00.100	201	004	FLOW DIRECTION	אכ	1	
FLOW DIRECT	עטע			0			
0	10			DATUM			
DATUM				0.00			
0.00				PROFILE	20		
PROFILE	16	•		-400.00	10,00	1.00	<1>
~400.00	10.00	1.00	<1>	-400.00	2.80	3.33	
-400.00	1,00	3.33	***	-184.00	2,80	3.33	
-56.00	1.30	3.33		-121.00	3.20	3.33	
-44.00	3.50	3,33		-94 00	3.20	3.33	
-10.00	1,20	1.00		-64.00	3.90	3.33	
-20.00	-1.10	1,00		-44.00	3.90	3.33	
0.00	-2.10	1,00	<2>	-11.00	2.50	1.00	• *
40.00	0.00	1,00		-37.00	1.20	1.00	
45.00	1.00	1.00		-34,00	0.85	1.00	
50.00	3.30	1.00		-31.00	0.20	1.00	
54.00	1.50	3,33	·	-10.00	-2.10	1.00	
80.00	1.50	3,33		0.00	-2.35	1.00	<2>
100.00	1.40	3,33		3.00	-1.70	1.00	
140.00	1.60	3,33		16.00	3.00	1.00	i
250.00	3,31	3.33		19.00	4.00	1.00	
250.00	10.00	3.33	<3>	18.00	3.65	3.33	
*******	*******	*****		79.00	3.75	3.33	. '
				300.00	3.75	3.33	
n	,= 0.030			300.00	10.00	3.33	<3>
				*******	******	*****	
21.	=0.100						
			•		1,=0.030		
					ممنفا		

1988-C1 BALU 23.500		1988-C1 BANSI			
COORDINATES		7.	600		
1 90,486	23.758	COORDINATES			
FLOW DIRECTION	23.798	1	90,244	23.	845
0	•	FLOW DIRECTI		201	0.10
DATUM		ŋ			
		DATUM			
0.00		0.00			
PROFILE 17		PROFILE	20	1	
-700.00 10.00	1.00 <1>	-400.00	10.00	1.00	<1>
-700.00 7.00	3.33	-100.00	7.29	3.33	
-51.00 7.00	3.33	-375.56	7.29	3.33	
-44.00 7.00	3.33	-316.41	6.13	3.33	
-31.00 2.90	1.00	-256.96	5,76	3,33	
-19.00 -2.30	1.00	-195.38	5.55	3.33	
-9.00 -4.10	1.00	-135.01	5 2 1	3.33	
0.00 - 1.50	1.00 <2>	-106.96	-2.56	1.00	
16.00 -2.50	1.00	-80.14	-5.61	1.00	
36.00 2.20	1.00	-60.93	-6.22	1.00	
41.00 4.30	1.00	-21.65	-8.05	1.00	
81.00 4.20	3.33	0.00	-9.58	1.00	<2>
101.00 4.00	3,33	12.85	-8.66	1 00	
131.00 4.00	3,33	27.18	-6.53	1.00	
141.00 4.40	3.33	57.67	3.38	1.00	
250.00 4.40	3,33	72.00	6.05	1.00	
250.00 10.00	3.33 <3>	136.33	6.36	3.33	
***************	****	160.42	6.88	3.33	
	•	300,00	6.88	3.33	
11,=0.030	•	300.00	10.00	3.33	<3>
11=0.100		*********			
		•	$M_1 = 0.030$		
			$M_{\bullet} = A / A D$		

1988-C1				1988-C1			
BANSI				BURIGANGA			
	000				000		
COORDINATES				COORDINATES	***		
1	90.250	23.	833	1	90.348	23.7	742
FLOW DIRECTI	ON			FLOW DIRECTION		20.	
0				0			
DATUM				DATUM			
0.00				0.00			
PROFILE	24		•	PROFILE	18		
-400.00	10.00	1.00	<1>	-300.00	10.00	1.00	<1>
-400.00	7.13	3.33	•	-300.00	6.00	3.30	
-368.90	6.53	3.33		-275.00	5.60	3.30	
-320.10	6.45	3.33		-265.00	2.40	3.30	
-307.90	3 . 8 1	3.33		-165.00	1,90	3.30	
-283.50	3.32	3.33		-149,00	0.90	1.00	
-247.00	7.03	3.33		-123.00	-3,60	1.00	
-170.70	7.37	3.33		-105.00	-3.75	1.00	
-149.40	0.00	1.00		-25.00	-3.75	1,00	
-100.60	-2.46	1.00	•	0.00	-4.60	1.00	<2>
-88.10	-6.55	1.00		30.00	-3.00	1.00	157
-33.54	-6.55	1.00		50.00	-1.00	1.00	
0.00	-8.07	1.00	•	70.00	1.90	1.00	
42.76	-8.07	1.00	<2>	109.00	1.50	3,30	
94.51	-6.34	1.00		115.00	1.50	3.30	
125.00	-2.74	1.00		175.00	3.75	3,30	
216.46	5.89	1,00		800.00	3.75	3,30	
277.44	6.54	1.00		800.00	10.00	3.30	<3>
527.44	6.50	3.33		*********			(3)
618.90	6.75	3.33			******		
692.07	6.60	3.33	•		11:0.030		
777.44	7.40	3.33					
1600.00	7.40	3.33			12=0.100		
1600.00	10,00	3.33	<3>				
********	******	*****					

Mi = 0.030 M2 = 0.100

1988~C1				1988-C1			
BURIGANGA				BURIGANGA			:
1.	100				800		
COORDINATES				COORDINATES	ă.		: '
1	90.368	23.7	706	1	90.402	23.	708
FLOW DIRECTI	ОИ			FLOW DIRECTION	ИС		
0				0	•		* *
DATUN			4	DATUM			
0.00				0.00			
PROFILE	9			PROFILE	15		
-200.00	10,00	1.00	<1>	-200.00	10,00	1.00	<1>
-200.00	6.25	3.30		~200.00	6.56	3.33	
-173.78	2,05	1.00	<2>	~117.07	6.56	3.33	
0.00	-9.52	1.00		-87.80	2.33	1.00	
125.00	2.05	1.00		-53.66	-5,28	1.00	
140.24	3,55	1,00		-36,59	-5.28	1.00	
182.92	3.75	3.30		-24.95	-9.27	1.00	** *
200,00	4.99	3.30		0.00	-9.85	1.00	<25
200.00	10.00	3.30	(3>	21.95	-9.27	1.00	
*******	********	*****		80.49	-3.76	1.00	
	.*		* *	129.27	2.33	1.00	
	M1=0.030 M1=0.100			-134.15	4.09	1.00	
•	11 - 0 /00			165,86	5.83	1.00	
	113 = 0.700			200.00	5.97	3,33	
				200.00	10.00	3.33	₹35
				*******	******	*****	
					11 0.030		

1988-C1 1988-C1 BURIGANGA BURIGANGA 7.000 11,500 COORDINATES COORDINATES 1 FLOW DIRECTION 90.418 23.698 90.151 23.669 FLOW DIRECTION Ô 0 DATUN DATUM 0.00 0.00 17 10.00 7.69 5.18 11 10.00 6.13 -1.82 PROFILE PROFILE -300.00 -300.00 -280.56 1.00 3.33 1.00 -200.00 -200.00 1.00 3.33 1.00 (1) <1> -138.72 -6.10 -7.50 -268.29 1.82 1.00 -102.44 1.00 -1.26 -1.87 -4.87 1.00 1.00 1.00 -29.88 0.00 66.77 1.00 1.00 1.00 -176.83 -8.84 -3.66 -146.34 0.00 <2> <2> 18.29 -4.26 1.00 112.80 1.82 1.00 1.00 1.00 1.00 1.00 1.00 3.33 3.33 60.98 -4.26 5.75 125.00 0.30 1.82 4.61 109.76 200.00 $\frac{5.52}{10.00}$ 176.83 195.12 228.66 4,57 3,33 5.34 2.91 3.33 289.64 11=0.030 326,22 341,46 341,46 ***** 5,18 10,00 3.33 ns = 0.100 <3>

M. = 0.030

	and the second s				
1988-C1	*			1988-C1	
DHALESWARI				LAKHYA	
	000			7.90	n
COORDINATES				COORDINATES	v
1	90.250	23.8	333		9
FLOW DIRECTI	ON	:		I FLOW DIRECTION	•
0			:	0 O TRECTION	
DATUN				DATUM	
0.00				0.00	
PROFILE	24			PROFILE	
-100.00	10.00	1.00	<1>	-250.00	
-100.00	7.13	3.33	*		
-368.90	6.53	3.33		-250.00	
-320.10	6.45	3.33		-209.45	
-307.90	3.81	3.33		-174.39	
-283.50	3.32	3.33		-127.13	
-217.00	7,03	3.33		-122.25	
-170.70	7.37	3.33		-74.08	
-119.40	0.00	1.00		-29.27	
-100.60	-2.46	1.00		0.00 36.28	
-88.40	-6.55	1.00		103.97	
-33,54	-6.55	1.00	*		
0.00	8.07	1.00		131.71 153.35	
12.76	-8.07	1.00	<2>	187.50	
94,51	-6.34	1.00		200.00	
125.00	~2.74	1.00		200.00	
216.46	5.89	1.00		********	
277.44	6.54	.1.00		*********	_
527.44	6.50	3,33		M	٠,
618.90	6.75	3.33		7/1	=
692.07	6.60	3.33		712	
777.41	7.40	3,33		//2	
1600.00	7.40	3.33			
1600.00	10.00	3.33	<3>	* 4	
*******	********	*****			
7	1,=0.030				

. 7	. 900		
COORDINATES	•		
1	90.527	23.0	395
FLOW DIRECT	ION		
0			
DATUM			
0.00	•		
PROFILE	16	•	
-250.00	10.00	1.00	<1>
-250.00	5.55	3.33	
-209.45	5.55	3.33	
-174.39	5.58	3.33	
-127.13	5.52	3.33	
-122.25	0.71	1.00	
-74.08	-3.86	1.00	
-29.27	-5.08	1.00	
0.00	-5.69	1.00	<2>
36.28	-5.38	1.00	
103.97	-2.34	1.00	
131.71	-1.12	1.00	
153.35	-0.51	1.00	
187.50	0.71	1.00	
200.00	3.30	1.00	
200.00	10.00	3.33	<3>
********	*********	******	
	$\eta_{1}=0.030$ $\eta_{L}=0.100$		* *
	12=0.100		100

LAKHYA 13.100 COORDINATES 90.523 23.654 FLOW DIRECTION DATUM 0.00 PROFILE 18 10.00 3.84 -300.00 -300.00 1.00 3.33 3.33 <1> -186.28 -135.37 -113.62 -79.88 3.84 2.47 1.00 1.13 -0.09 -3.75 1.00 1.00 -56.71 -28.96 -6.49 1.00 1.00 1.00 1.00 1.00 0.00 24.39 51.27 -6.49 <2> -5.58 -1.97 93.29 -4.05

112=0.100

1988-C1

118.60

138.11 154.88

171.39

200.00

200.00

M=0.030

-1.92

1.13 1.51 4.57

4.45

1.00

1.00

1.00 1.00 3.33

(3)

1988-C1 TONGI 1.300 COORDINATES 90,361 23.883 FLOW DIRECTION DATUM 0.00 18 10.00 2.20 2.20 PROFILE -300.00 -300.00 1.00 <1> 3.33 3.33 3.33 -104.00 2.35 3.00 2.20 2.25 -14.00 -37.00 -31.00 3.33 3.33 -12.00 3.33 -8,00 0.00 4.00 1.20 0.60 1.00 <2> 1.00 1.90 2.55 1.00 7.00 1.00 14.00 1.00 3.33 3.33 58.00 74.00 148.00 2.50 2.50 3.33 2.90 2.90 206.00 3.33 250.00 3.33 250.00 10.00 <3>

> Mi=0.030 Mi=0.100

1988-C1			
TONGI			
6,	400		
COORDINATES			
1	90.394	23.	887
FLOW DIRECTI	ON		
0			
DATUN	•		
0.00			
PROFILE	14		
-150.00	10.00	1.00	<1>
-150.00	7.50	3.33	
-65.00	7.20	3.33	
-28.00	1.00	1,00	
~20.00	-6.30	1.00	
0.00	-7.80	1,00	<2>
11.00	-6.00	1.00	
20,00	-2,00	1,00	
24.00	1.00	1,00	
80.00	. 3.70	1.00	
90.00	7.50	3.33	
105.00	7.50	3.33	
250.00	7.50	3.33	
250.00	10.00	3.33	<3>
*******	*******	*****	

Mi=0.030 Mi=0.100

1988-C1 TONGI 8. COORDINATES	000		
1	90.105	23.8	181
FLOW DIRECTION	NC		
0			
,			
DATUM			-
. 0.00		4.	
PROFILE	13		
-150.00	10.00	1.00	<1.5
-150,00	8.30	3.33	-
-92.00	8.30	3.33	* *
-82.00	7.00	3.33	
~32.00	6.80	3,33	
-22.00	1.50	1.00	
0.00	-1.70	1.00	<2>
			127
18.00	-1.30	1.00	
12.00	1.50	1.00	
50.00	6.50	1.00	
158.00	8.90	3.33	
200.00	8.90	3.33	
200.00	10.00	3.33	<3>
*******	********	******	

M1=0.030 M1=0.100

1988-C1			
TONGI			
8,	300		
COORDINATES		•	
1	90.406	23.8	379
FLOW DIRECTION	ON		
0			
DATUM			
0.00			
PROFILE	13		_
~150.00	10,00	1.00	<1>.
-150.00	8.31	3,33	
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-8.00	-1.70	1.00	< 2>
10.00	-1,30	1.00	
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M=0.030 M=0.100

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-15.00	3.00	3.33			-300.00	2.00	3.33	
-35.00	1.50	1.00			-250.00	2.00	3.33	
-25.00	0.70	1.00			-190.00	1.90	3.33	
-15.00	0.40	1.00			-126.00	2.10	3.33	
0.00	0.10	1.00	<2>		-45.00	2.30	3.33	
15.00	0.50	1.00			-33.00	0.80	1.00	
45.00	4.00	1.00	-		-20.00	-2.90	1.00	
63.00	5.10	3.33			-12.00	-5.10	1.00	
75.00	7.00	3.33			0.00	-7.00	1.00	<2>
98,00	5.00	3.33			10,00	-5.20	1.00	
115.00	2.50	3.33			25.00	1.00	1.00	
180.00	2.50	3.33			35.90	1.80	1.00	
212.00	3.50	3.33			103,00	2.30	3.33	
345.00	4.20	3.33			150.00	2.30	3.33	
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Mi= 0.030

N2=0.100

2) Results of Calibration ORID POINT RESULT SUMMARY

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9.2 With River Dredging and Without Polder Dike/Wall

PROCESS OF HYDRAULIC SIMULATION OF 1988 FLOODS FOR WITH FLOOD MITIGATION PROJECTS (WITH RIVER DREDGING AND WITHOUT POLDER DIKE/WALL)

(1) River System: Same as the condition of Without Flood Mitigation Project

(2) River Cross Section: Taking into account the river dredging, input the revised

river cross sections.

(3) Boundary Condition: Boundary discharges, water level at Kalagachia(BWDB

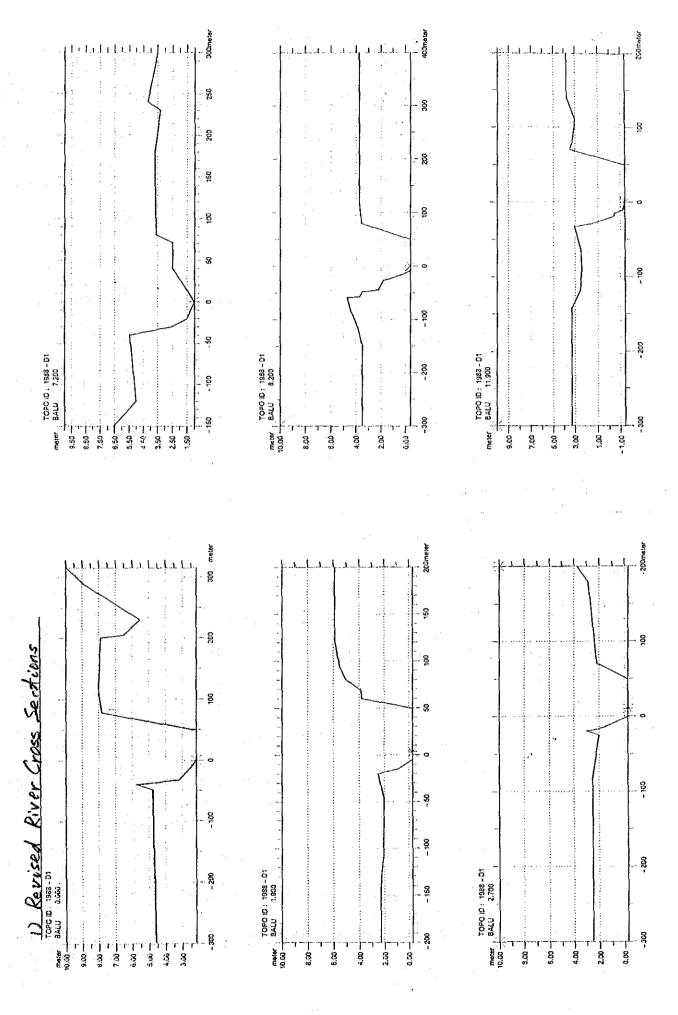
Sta.71) and rainfall ruoffs are same as the condition of

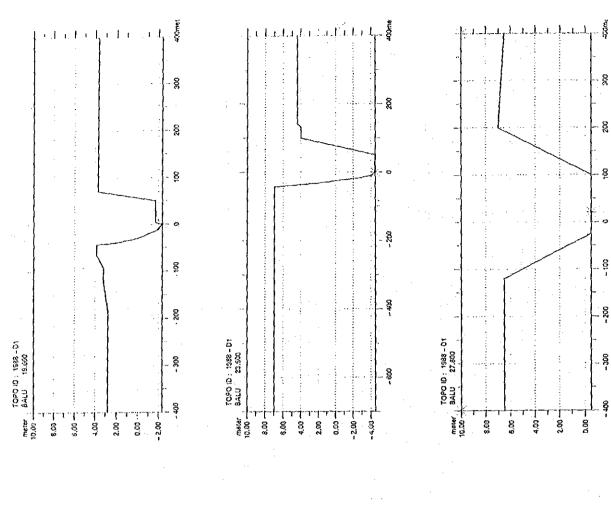
Without Flood Mitigation Project.

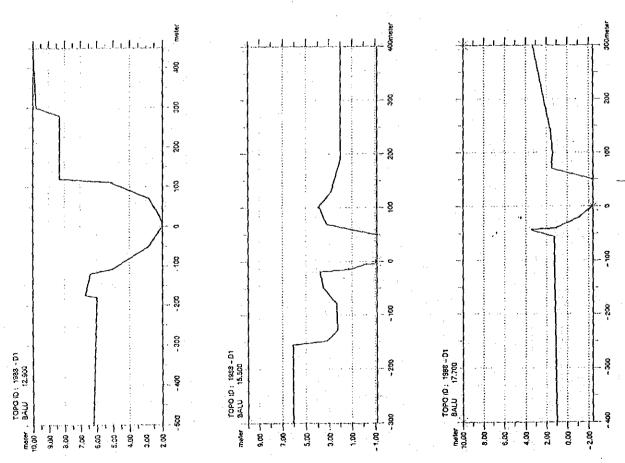
(4) Manning's Rough-:

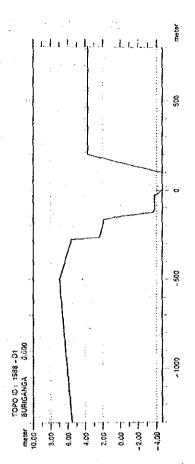
ness Coefficient

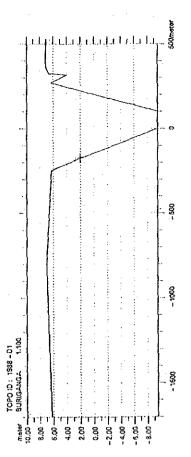
Same as the condition of Without Flood Mitigation Project

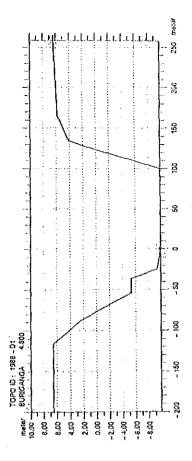


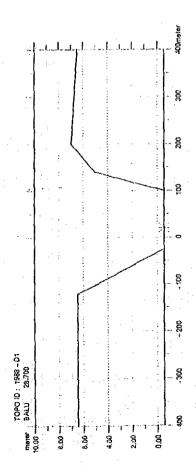


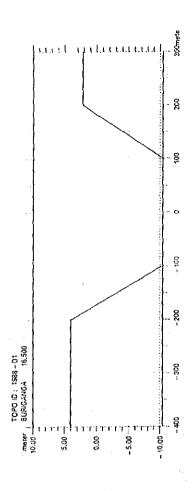


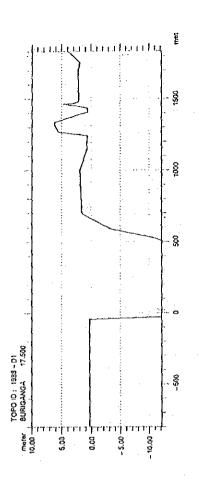


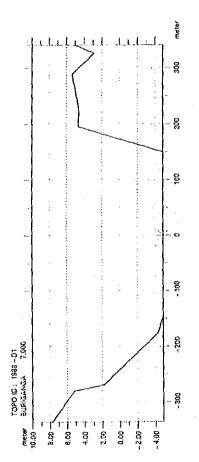


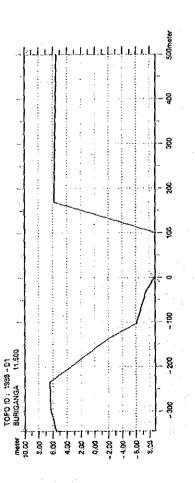


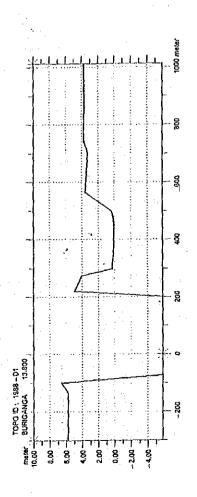


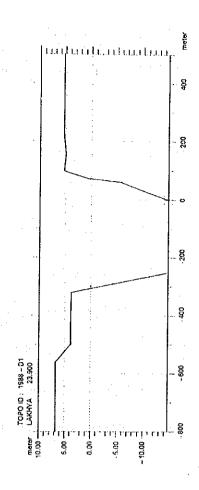


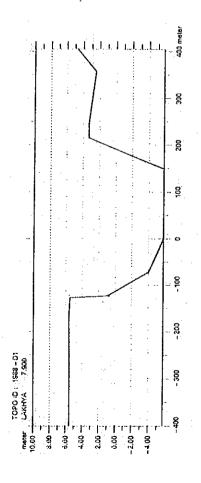


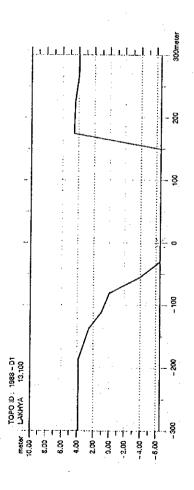


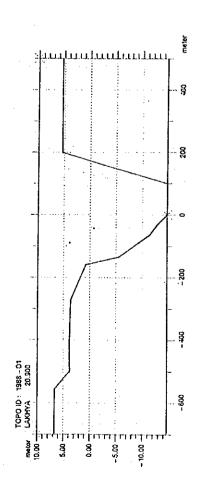


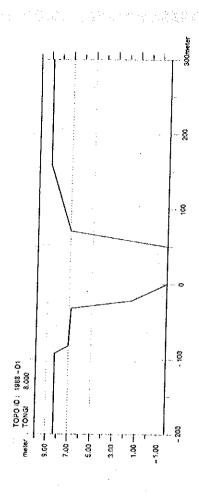


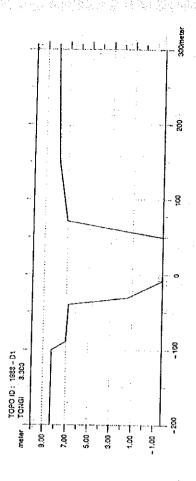


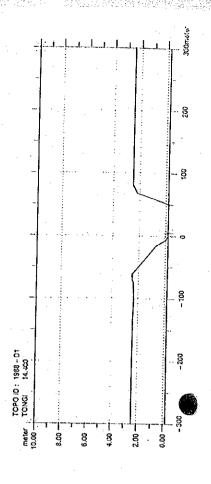


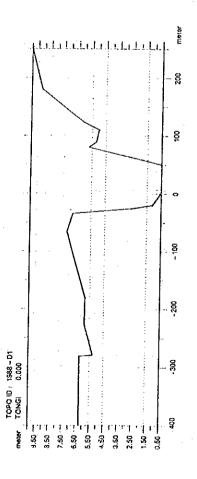


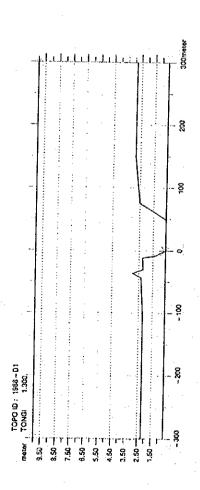


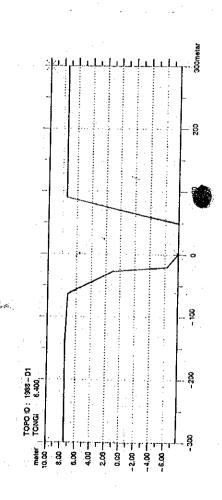


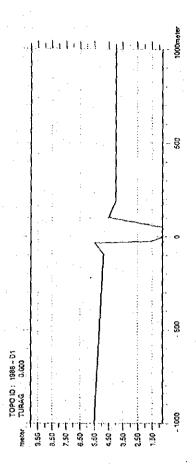


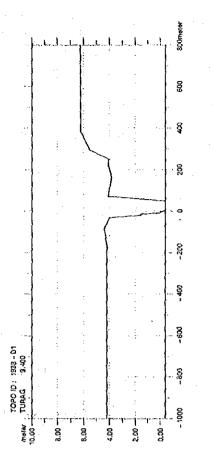


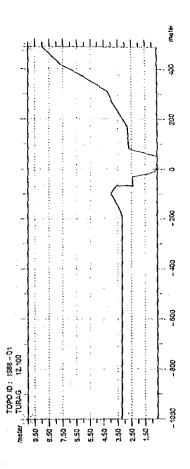


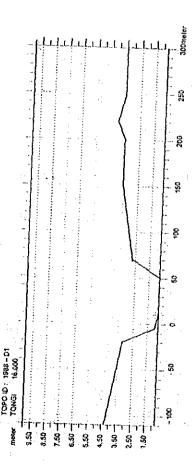


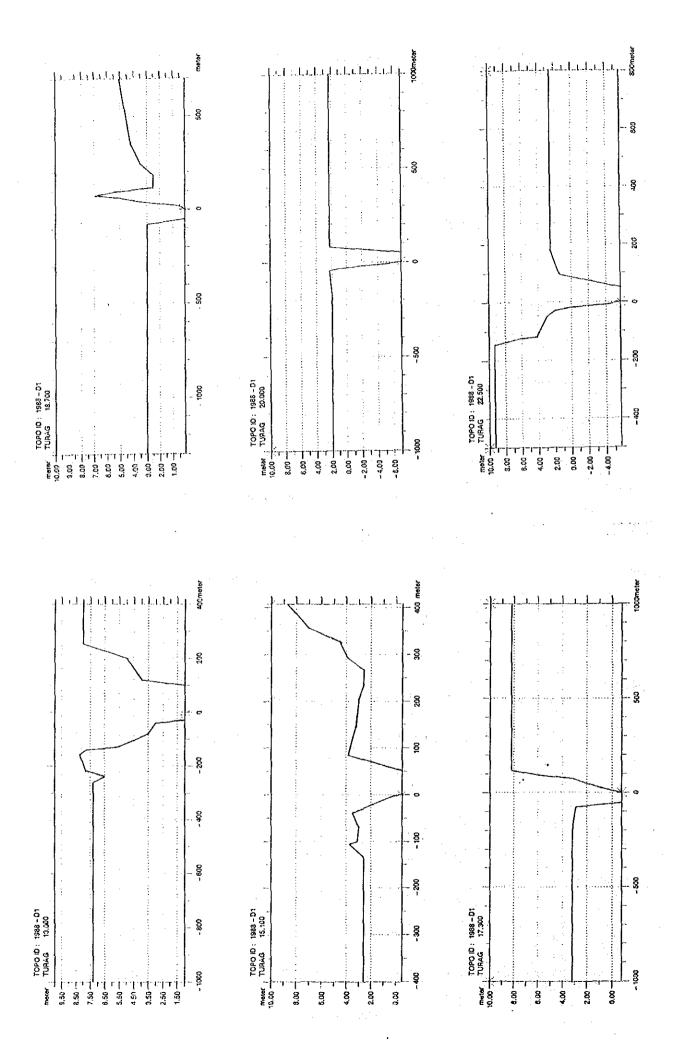


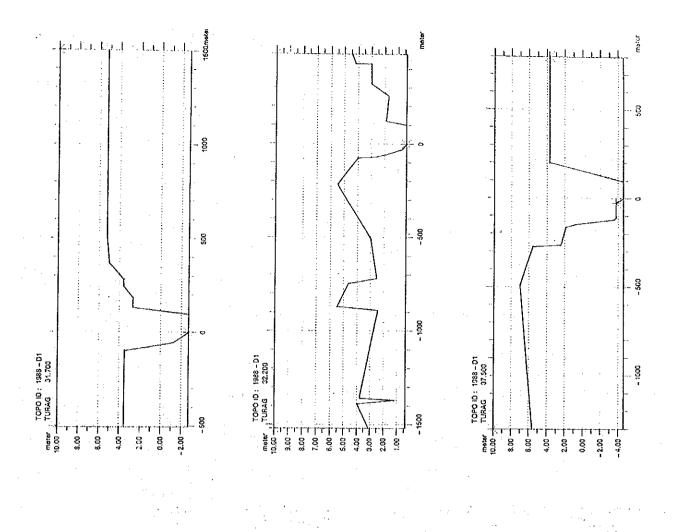


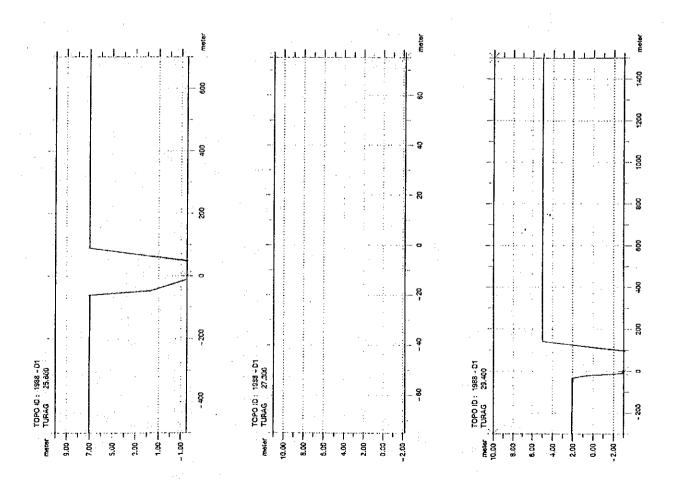












June 184			1988-11			
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-150.00	3.50	3,33	-118,00	2,50	3,33	
-120.00	3.80	3,33	-93.00	2.10	3.33	
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Mote: M: Manning's roughness coefficient of river channel

M2: Manning's roughness coefficient of thood plain

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-500.00		15	and the second	•	-300.00			<1>
-500.00 6.20 3.33 -155.00 6.10 3.33 -180.00 6.00 3.33 -148.00 3.25 3.33 -175.00 6.70 3.33 -128.00 2.25 3.33 -128.00 2.25 3.33 -128.00 2.25 3.33 -128.00 2.30 3.33 -128.00 2.30 3.33 -110.00 5.10 1.00 -50.00 3.50 3.43 -10.00 3.00 2.80 1.00 -19.00 3.80 3.33 -10.00 2.00 2.10 1.00 -15.00 1.50 1.00 20.00 2.10 1.00 -50.00 -1.50 1.00 1.00 110.00 5.10 1.00 -1.00 1.00 110.00 5.10 1.00 -1.00 1.00 110.00 5.10 1.00 -1.00 1.00 15.00 -1.15 1.00 < 120.00 8.30 3.33 38.00 -1.15 1.00 < 120.00 8.30 3.33 38.00 -1.15 1.00 380.00 9.80 3.33 380.0 -1.15 1.00 380.00 9.80 3.33 380.0 -1.15 1.00 380.00 -1.15 1.00 390 3.33 450.00 10.00 3.33 450.00 10.00 3.33 450.00 10.00 3.33 380.00 -1.15 1.00 390 3.33 390.00 2.80 3.33 390.0			4,00	<1>	-300.00			
-180.00 6.00 3.33 -148.00 3.25 3.33 -175.00 6.70 3.33 -128.00 2.25 3.33 -128.00 6.40 3.33 -80.00 2.30 3.33 -110.00 5.10 1.00 -50.00 3.50 3.33 -10.00 2.80 1.00 -19.00 3.80 3.33 -19.00 2.00 2.10 1.00 -50.00 1.50 1.00 -10.00 1.50 1.00 -10.00 1.00 1.00 1.00 1.00 1.00 1		6.20	3,33		-155.00	5.10		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		6.00	3.33		-148.00			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			3.33		-128.00	2.25		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			3.33		-80.00	2.30	3.33	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1,00		-50.00	3.50	3.33	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1.00	•	~19.00	3.80		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.00	1.00	<2>	-15.00	1.50	1,00	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.10	1.00		-5.00	-0.30	1,00	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1.00		-1.00	-1.00	1.00	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		5.10	1.00	•	0.00	-1.15	1.00	< 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		8.30	1.00		15.00	-1.15	1.00	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		8.30	3,33		38.00		1.00	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	300.00	9.80	3,33		50.00	-1.15	1.00	<u> </u>
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		10.00	3.33	₹3>	70,00	3.25	1.00	
$ \eta_1 = 0.030 $ $ \eta_2 = 0.100 $ $ 190.00 $ $ 2.00 $ $ 3.33 $ $ 400.00 $ $ 2.00 $ $ 3.33 $ $ 400.00 $ $ 19.00 $ $ 3.33 $		******	******		101.00	3.90	3, 33	
$\eta_{2}=0.100$ $\frac{100.00}{100.00}$ $\frac{2.00}{10.00}$ $\frac{3.33}{3.33}$ <					130,00	2.80	3.33	
$n_2 = 0.100$ $\frac{100.00}{100.00}$ $\frac{10.00}{10.00}$ $\frac{3.33}{3.33}$ <		11.00.030			190.00	2.00	3.33	
· · · · · · · · · · · · · · · · · · ·					100.00	2.00	3.33	
***********		n2=0.100			100.00	10.00	3.33	. <35
					********	******	****	
M - 0.020				*	<u>.</u> .	4 1020		

1988~D1			
BALU			
17.	700		
COORDINATES			
1	90,186	23.8	302
FLOW DIRECTIO	ON .		
0 :			
DATUM			
0.00			
PROFILE	16		
-100.00	10.00	1.00	<1>
-400,00	1.00	3.33	_
-56.00	1.30	3.33	
-11.00	3.50	3.33	
-10.00	1.20	1.00	
-20.00	-1.10	1.00	
0.00	-2.10	1.00	<2>
10.00	-2.40	1.00	
15.00	-2.40	1.00	
50.00	-2.40	1.00	
70.00	1.50	1.00	
80.00	1.50	3.33	
100.00	1.40	3.33	
140.00	1.60	3.33	
300.00	3.31	3.33	
300.00	10.00	3.33	<3>
*********	*******	******	

Mi=0.030 Ai=0.100

1988-D1 BALU			
19.	nnn ·		
COORDINATES	900		
	00 100		
1	90.480	23.7	50
FLOW DIRECTION	MC		
0 :			
DATUH			
0.00			
PROFILE	20		
-400.00	10.00	0.0 - 1	1.35
-100.00	2.80	3.33	
~184,00	2.80	3.33	
-121700	3.20	3.33	
-91.00	3.20	3.33	
-64.00	3.90	3.33	
~44.00	3.90	3.33	
- 11 : 00	2.50	1 00	
-37.00	1.20	1 00	
-34.00	0.85	1.00	
-31.00	0.20	1.00	
-10.00	-2.10	1.00	
0.00	-2.35	1.00	<5.5
3.00	-1.70	1.00	
16.00	-1.70	1.00	
19.00	-1.70	1.00	
50.00	-1.70	1.00	
70.00	3.75	1.00	
400.00	3.75	3.33	
400.00	10.00	3.33	< 3 >
********	********	* * * * * * *	

11=0.030 11=0.100

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1988-D1
BALU
               23,500
COORDINATES
                                               23.758
                       90,486
FLOW DIRECTION
ď
DATUM
        0.00
PROFILE.
                        16
    -700.00
-700.00
-54.00
-14.00
-34.00
                        10.00
7.00
7.00
                                          1.00
3.33
3.33
                                                         (1)
                        7.00
2.90
-2.30
                                          3.33
                                          1.00
                                          1.00
1.00
1.00
       -19.00
                        -1.10
-1.50
-1.50
-4.50
        -9.00
        0.00
16.00
36.00
                                                         (2)
                                          1.00
                                           1.00
                                          1.00
1.00
3.33
                        -1.50
1.00
1.00
        50.00
      100.00
131.00
111.00
                          1.40
                                           3.33
       100.00
                                           3.33
                                                         ₹35
       400.00
                        10.00
                                          3.33
****
  ******
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N1=0.030 N2=0.100

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23.731
1 SECTION
                    90,500
0
DATUM
        0.00
PROFILE -100.00 -100.00
                     10
                     10.00
                                      1.00
                                                   <15
                      6.51
6.50
                                      3.33
    -120.00
                                      3.33
     -25.00
20.00
75.00
100.00
                     -0.50
-0.50
-0.50
-0.50
                                      1.00
                                                   12>
                                      1.00
                                      1,00
      200.00
                       7.00
                                      1.00
                    6.50
10.00
******
                                      \frac{3.33}{3.33}
      400,00
                                                   ₹35
      100.00
              11,=0.030
               12=0.100
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1988-1-1

COORDINATES

27.600

BALU

1988-01			
BALU			
38.	700		
COORDINATES			
1	90.504	23.	730
FLOW DIRECTION	ON:		
0			
DATUM			
0.00			
PROFILE	11		
-100.00	10.00	1.00	<11
-400.00	6.51	3.33	-
-120,00	6.50	3.33	
-25.00	-0.50	1.00	
20.00	-0.50	1,00	621
		1.00	
75.00	-0.50	1.00	
100.00	-0.50		
140.00	5.00	1.00	
200.00	7.00	1,00	
100.00	6.50	3.33	
100.00	10.00	3.33	€35
*********	*****	*****	

11=0.030 No=0.100

1848-01			
BURIGANGA			
0.	000		
COORDINATES			
1	90.318	23.	7.12
FLOW DIRECTL	ŌΝ		
0	• • •		
DATUM			
0.00			
PROFILE .	18		•
-1300:00	10,00	1,00	71 -
~1300.00	5.60	3.30	
-500.00	7.00	3.30	
-275,00	5,60	3,30	
-265,00	2.10	3,30	
-165.00	1.90	3,30	
-119.00	0.90	E, 00	
-123.00	-3.60	1.00	
-105.00	-3.75	1.00	
25.00	-3.75	1.00	
0,00	-1.60	1.00	5 11 2
30,00	-1.60	1.00	
50,00	-1.60	1.00	
70.00	-4.60	1.00	
100.00	-1.60	1.00	
200,00	3,75	1.00	
800.00	3.75	3.30	
800,00	10,00	3.30	<3>
			~

n = 0.030 n = 0.100

1.100 COORDINATES 1 90.368 23.706 FLOW DIRECTION 0 DATUM 0.00 PROFILE 13 -1700.00 10.00 1.00 (1) -1700.00 6.25 3.30 -800.00 7.00 3.30 -243.90 6.25 3.30 -173.78 2.06 1.00 (2) 0.00 -9.52 1.00 100.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	1988-D1 BURIGANGA			
1 90.368 23.706 FLOW DIRECTION 0 DATUM 0.00 PROFILE 13 -1700.00 10.00 1.00 (1) -1700.00 6.25 3.30 -800.00 7.00 3.30 -213.90 6.25 3.30 -213.90 6.25 3.30 -173.78 2.06 1.00 (2) 0.00 -9.52 1.00 100.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	1.	100		
FLOW DIRECTION 0 DATUM 0,00 PROFILE 13 -1700.00 10.00 1.00 <1> -1700.00 6.25 3.30 -800.00 7.00 3.30 -213.90 6.25 3.30 -173.78 2.03 1.00 <2> 0.00 -9.52 1.00 100.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.96 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	COORDINATES			
0 DATON 0.00 PROFILE 13 -1700.00 10.00 1.00 <1> -1700.00 6.25 3.30 -800.00 7.00 3.30 -213.90 6.25 3.30 -173.78 2.06 1.00 <2> 0.00 -9.52 1.00 100.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.96 3.30 323.17 6.63 3.30 3259.75 7.08 3.30 500.00 7.08 3.30	1	90.368	23.7	06
0 DATON 0.00 PROFILE 13 -1700.00 10.00 1.00 <1> -1700.00 6.25 3.30 -800.00 7.00 3.30 -213.90 6.25 3.30 -173.78 2.06 1.00 <2> 0.00 -9.52 1.00 100.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.96 3.30 323.17 6.63 3.30 3259.75 7.08 3.30 500.00 7.08 3.30	FLOW DIRECTION	ON		23.5
0.00 PROFILE 13 -1700.00 10.00 1.00 <1> -1700.00 6.25 3.30 -800.00 7.00 3.30 -213.90 6.25 3.30 -213.90 6.25 3.30 -173.78 2.05 1.00 0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30				
PROFILE 13 -1700.00 10.00 1.00 (1) -1700.00 6.25 3.30 -800.00 7.00 3.30 -243.90 6.25 3.30 -173.78 2.05 1.00 (2) 0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 3259.75 7.08 3.30 500.00 7.08 3.30	DATUM			
-1700.00	0,00			
-1700.00	PROFILE	13		
-800.00 7.00 3.30 -213.90 6.25 3.30 -173.78 2.05 1.00 0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30		10.00	1.00	<1>
-213.90 6.25 3.30 -173.78 2.06 1.00 (25) 0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	-1700.00	6.25	3.30	
-173.78 2.05 1.00 (2) 0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30 (3)	-800.00	7.00	3.30	
0.00 -9.52 1.00 100.00 -9.52 1.00 268.29 6.29 1.00 317.07 3.96 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	-243,90	6.25	3.30	
100,00 -9.52 1.00 268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30 <3>	-173.78	2,06	1.00	C22
268.29 6.29 1.00 317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30	0.00	-9.52	1.00	
317.07 3.95 3.30 323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30 <3>	100,00	-9.52		1
323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30 <3>	268.29	6.29	1.00	
323.17 6.63 3.30 359.75 7.08 3.30 500.00 7.08 3.30 <3>		3.95	3.30	
500.00 7.08 3.30 <3>		6.63	3,30	
900,00	359.75	7.08	3,30	
500 00 10.00 3.30		7.08		<3>
200100	500.00	10,00	3,30	
********	*******	********	******	•

M=0.030 M=0.100

1988-P1			
BURIGANGA			
	300		
COORDINATES	90.402	23.	108
FLOW DIRECTIO			
O		•	
DATUM			
0.00			
PROFILE	15		
-200.00	10.00	1.00	<1>
-200.00	6.59	3.33	
-117.07	6.56	3.33	
-81.80	2.33	1.00	
-33,66	-5.28	00.4	
-36.59	-5.28	1.00	
-24,95	-9.27	1.00	
0.00	~9,85	1.00	< 2
21.95	-9.85	1.00	
100.00	-9,85	1.00	
129.27	2.33	1.00	
131,15	1.09	1.00	
165.86	5.83	1.00	
197.56	5.97	3.33	
258.51	6.40	3,33	4.3 >
*******	******	*****	

M= 0.030

1988-D1				1988-01			
BURIGANGA				BURIGANGA			
	000				500		
COORDINATES				COORDINATES			
1 .	90.418	23.	698	1.	90.151	23.0	669
FLOW DIRECTION	ŌN ,			FLOW DIRECTI	ON		
O	*** *			0			
DATUM				DATUM			
0.00			* .	0.00			
PROFILE	16			PROFILE	1 1		
-335.36	10.00	1.00	< 15	-311.51	10.00	1.00	₹.
-335.36	7.69	3.33		-344.51	5.51	3.33	
-280.56	5.18	1.00		-292,69	6.34	3,33	
-268.29	1.82	1.00		-231.76	6.43	3,33	
-176.83	-1.26	1.00		-138.72	-1.82	1.00	
-116.31	-1.87	1.00		-102,44	-6.10	1.00	
0.00	-1.87	1.00	₹25	-29.88	-7.56	1.00	
18.29	-1.87	1.00		0.00	-8.84	1.00	· ·
60.98	-1.87	1.00	•	66.77	-8.81	1.00	
150.00	-4.87	1.00		100,00	-8.84	1.00	
195.12	-1.61	1.00		170.00	5.75	1.00	
228.66	4.57	3.33		454.27	5 \ 52	3.33	
289.64	5.31	3,33		500,00	5.52	3,33	
326.22	2.91	3.33		500,00	10.00	3.33	<
341.46	5.18	3,33		********			•
341.46	10.00	3.33	<3>≥			4.4	
********			• •		11-0.030		

<15

<2.2

71,=0.030 712=0.100

11, = 0.030 n2=0.100

				•			
1988-D1				1988-D1			
BURIGANGA				BURIGANGA			
13.	800			. 16.	500		
COORDINATES				COORDINATES	1		
1	90.165	23.652		1	90.468	23.6	533
FLOW DIRECTI	ON			FLOW DIRECTI	ON		
0	•		1	0 .			
DATUM				DATUM			
0.00				0.00			
PROFILE	22			PROFILE	9		
-300.00	10.00	1.00 <1>		-100,00	10.00	1.00	<1>
-300.00	5.71	3.33		-400.00	4.00	1.00	
-134.00	5.71	3.33		-200.00	1.00	3.33	
-98.17	6.61	3.33		-100.50	-10.10	3.33	
-73.17	-5.85	1.00		0.00	-10.10	1.00	
0.00	-5.85	1.00 <2>		100.00	-10.10	1.00	<25
48.78	-5.85	1.00		200.00	2.20	1.00	
73.17	-5.85	1.00		300.00	2.20	1,00	
200.00	-5.85	1.00		300.00	10.00	3,33	<3>
220.00	5.00	1.00		*******	********	*****	
274.39	4 05	3.33		•	•		
298.78	0.31	3,33			11=0.030	:	
371.95	0.10	3.33					
445.12	0.03	3.33			112=0.100		
500.00	0.11	3.33					
560.98	3.60	3,33					
695.12	3.30	3.33					
743.90	3.75	3.33					
801.83	3.78	3.33					
868.90	3.68	3.33	:				
1012.20	3.72	3.33					
1012,20	10.00	3.33 <3>					

1988-01		•		1 588 - D1	·.		
BURIGANGA				БАКН ҮА	- 15 (-		
	500			7,8	900		
COORDINATES	300			COORDINATES			
1	90.458	23.0	129	. 1	90.327	23.695	
FLOR DIRECTI				FLOW DIRECTIO	3N		
	ON			o			
O DATUN				DATUM		•	
0.00				0.00			
PROFILE	29			PROFILE	19		
-800.00	10.00	1,00	(1)	-100.00	10.00	1.00	,
~800.00 ~800.00	0.33	3.33		-100,00	5.55	3,33	
-800.00 -12.68	0.33	3,33		-209.45	5.55	3,33	
-12.08 -27.68	-12.10	1,00		-171.39	5.58	3.33	
	-12,16	1.00	< 2.5	-127,13	5.52	3.33	
0.00 6.10	-12.16	1.00	-	-122.25	0.71	1,00	
	-12.16	1.00		-74.08	-3.86	1,00	
67.07	-12,16	1.00		-29,27	-5.08	1.00	•
365.86	-12,16	1.00		0.00	-5.69		٤.
500.00	-11.55	1.00		36.28	-5 69	1.00	
518.29	-11.55 -3,01	1.00		103.97	-5.69	1.00	
591.76		1.00		131.71	-5.69	1.00	
692.26	. 1.55 1.85	3.33		150.00	-5.69	1.00	
908.53		3.33		214.03	3.30	1.00	
993.90	1.92	3.33		247.87	3.30	3.33	
1146.34	0.80	3.33		308,23	281	3.33	
1243.90	0.64	3.33		355.19	2.46	3.33	
1268.29	5.57	3.33		101.71	1.73	3.33	
1310.97	6.22			104.71	10.00	3.33	4
1335,36	6.25	3.33		*******	*******	****	
1408.53	0.57	3.33					
1438.93	0.70	3.33	'	11,	-0.030		
1163.11	1.93	3.33		•			
1469.51	2.77	3.33		712.	= 0.100		
1481,71	2.16	3.33					
1560.97	2.23	3.33					
1695.12	2.31	3.33					
1756.10	1.93	3,33					
1835.36	1.03	3.33					
1835.36	10.00	3.33	<3>		•		
********		******					
	1= 0.030						
7	12=0.100						
1	114-0-1-0						

3.25

<35

-1988-D1 LAKHYA					1988-D1 Lakhya			
13.1	00			•		900		
COORDINATES					COORDINATES			
1	90.523	23.0	i5-t		-1	90.515	23.5	8o.
FLOW DIRECTION	N				FLOW DIRECTI	ON .		
0		* .			0			100
DATUM	•				DATUN			
0.00					0.00	- 0		
PROFILE	20				PROFILE	22		
-300.00	10.00	1.00	<1>		-700.00	10.00	1.00	<15
-300.00	3.81	3.33			-700.00	6.74	3.33	
-186.28	3.84	3.33			-558.81	6.71	3.33	
-135.37	2.47	1.00			~497.25	J.74	3.33	
-113.62	1.13	1.00			-151.88	3,89	3.33	
-79.88	-0.09	1.00			-307,32	3.75	3.33	
-56.71	-3.75	1.00			-271.39	3.59	3.33	
-28.96	~6.49	1.00			-228.66	2.52	3.33	.*
0.00	-6, 19	1.00	<2>		-159.15	0.62	1.00	
21.39	-6.19	1.00			-136.68	-5.48	1.00	
51.27	-6.49	1.00			-61,59	-11.58	1.00	
93.29	-6.49	1.00			-35.06	-12.59	1.00	, 1
118.60	-6.49	1.00			0.00	-11.63	1.00	C23
138.11	-6.49	1.00			-11.16	-11.63	1.00	
150.00	-6.19	1.00			60.67	-11.63	1.00	٠.
171.39	1.57	1.00			72.56	-11.63	1.00	2.3
235,00	1, 15	3,33			94,51	-14.63	1.00	
269.81	3.96	3,33			100,00	-14.63	1,00	1
300.00	3.96	3,33			200.00	5.30	1,000	:
300.00	10.00	3,33	<3>		242.07	5.37	3.33	14 × 14 × 14
*******					500.00	5.37	3.33	
*****	***				500.00	10.00	4 3,33	₹35 % ₹
					*******	*******	*!**+++	

1100.030

12=0.100

D - 248

11=0.030

11=0.100

1988-01							
LAKHYA	-			1988-01			
	23.900			TONGI			
COORDINA	TES			θ.	000		
1 -	90.537	23.5	68	COORDINATES			
FLOW DIR	ECTION	2010	•	1	90.358	23.	970
t)				FLOW DIRECTION	ON		
DATUM				0			
û,	00			DATUM			
PROFILE	22			0,00			
-800.	00 10,00	1.00	<1>	PROFILE	23		
-800.	00 6.71	3.33	•	- 100,00	10.00	1.00	-15
-558.	84 6.74	3.33		 -100.00	6.20	3.33	
-197.	25 3,74	3.33		-282.00	6.20	3.33	
-454,		3,33		-280.00	5.30	3.33	
-320,		3.33		-225,00	3.90	3.33	
-250.		1.00		 -180.00	5.85	3.33	
-228.		1.00		-65,00	7.20	3.33	
-159.		1.00		~34.00	6.80	3,33	
-136.	58 -14.63	1.00		-26.00	2.50	1.00	
-61,		1.00		-20.00	1.20	1,00	
~35.		1.00		0.00	0.50	1.00	723
ο.		1.00	< 2.5	14.00	0.50	1.00	•
11.		1.00	_	23.00	0.50	1.00	
60.		1.00		28.00	0.50	1.00	
72.		1.00		13.00	0.50	1.00	
94.		1.00		15.00	0.50	1,00	
157.		3.33		50.00	0.50	1.00	
208.		3.33		80.00	5.70	1.00	
212.		3.33		90.00	5.20	3.33	
500.		3.33		110.00	5.00	3.33	
500		3.33	<335	125.00	6.20	3.33	
	*******			180.00	9.20	3.33	
				250.00	10.00	3.33	<3>≥
	11=0.030		-	*********	*********	******	
	1/2=0.100			n	1=0.030		

12=0.100

1988-D1				1000 51			•
TONGI				1988-D1			
	300			TONG I			
COORDINATES	• • • • • • • • • • • • • • • • • • • •				100		
1	90.361	23.	997	COORDINATES			
FLOW DIRECTION		691	000	1	90.394	23.	887
0	CII .			FLOW DIRECTION	, NC		
DATUM				0 .			
0.00				DATUN			
PROFILE	18			0.00			
-300.00	10.00	1.00	(I)	PROFILE	14		
-300.00	2.20	3.33		-300.00	10.00	1.00	1 < 1.5
-101.00	2.20	3.33		-300.00	7.50	3.33	
-11,00	2.35	3.33		-150.00	7.50	3.33	
-37.00	3.00	3.33		-65.00	7.20	3.33	
-31.00	2.20	3.33	•	-28.00	1.00	1.00	
-12,00	$2.2\overset{\circ}{5}$	3.33		-20.00	~6.30	1.00	
-8.00	1.20	1.00		0.00	-7.80	1.00	< 2: >
0.00	0.60	1.00	₹2 >	11.00 20.00	-7.80	1.00	
4.00	0.60	1.00		50.00	-7.80 -7.80	1,00	
7.00	0.60	1.00		90.00	7.50	1,00	
14.00	0.60	1.00		105.00		1.00	
50.00	0.60	1.00		300.00	7,50 7,50	$\frac{3.33}{1.33}$	
74.00	2.50	1,00	•	300.00	10.00	3.33	
148.00	2.90	3.33		********			€ĴO
206.00	2.90	3.33		****	****	*****	
300,00	2.90	3,33			المراجع المراجع		
300.00	10.00	3.33	<3 ⋅	•	11-0.030		
*********					N1=0.030 N1=0.100		
						*	

Mi=0.030 Mi=0.100

D - 249

1988-D1				1988-D1			
TONOI				TONGT			
8.	000			8.	300		
COORDINATES				COORDINATES			
1	90.105	23.	881	1	90.406	23.8	79
FLOW DIRECTI	ON			. FLOW DIRECTION	OΝ		
n				o			
DATUH				DATUM			
0,00				0.00			:
PROFILE	l 5			PROFILE	11		
-200.00	10.00	1.00	<1 >	-200,00	10.00	1.00	<12.
-200.00	8.30	3,33		-200,00			\1 .
-192.00	8.30	3.33			8.31	3.33	
-92.00	8.30	3.33		-100.00	8.30	3,33	
~82.00	7.00	3.33		-90.00	7.00	3.33	
-32.00	6.80	3,33		-10,00	6.80	3.33	
-22,00	1.50	1.00		~31,00	1.50	1.00	
0.00	-1.70	1.00	< 0.5	~8,00	-1.70	1,00	5.22
18.00	-1.70	1.00	•	10.00	~1.70	1.00	
42.00	-1.70	1.00		33.00	-1.70	1.00	
50.00	-1.70	1.00		50.00	-1.70	1.00	
70.00	7.00	1.00		70.00	7.00	1.00	
158.00	8.90	3.33		150.00	7.80	3.33	
	8.90	3,33		300,00	8.00	3.33	
300.00		3.33	¢3 -	300.00	10.00	3.33	<.3>
300.00	10.00		, ⁽¹ ,	*******			

N1 = 0.030 N2 = 0.100

Ni=0.030 Ni=0.100 M=0.030 M=0.100

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1988-D1
                                                                           1988-D1
TONGI
                                                                            TONGI
             11.100
                                                                                         16,000
COORDINATES
                                                                            COORDINATES
                                          23.892
                                                                            1
FLOW DIRECTION
1
FLOW DIRECTION
                    90.458
                                                                                                90.461
                                                                                                                      23.886
DATUM
                                                                            DATUM
       0.00
                                                                                    0.00
PROFILE.
                     20
                                                                            PROFILE
                                                                                                 14
    -300.00
                     10.00
                                      1.00
                                                   (1)
                                                                               -110.00
-110.00
-20.00
                                                                                                 10.00
                                                                                                                 1.00
                     2.10
2.10
2.30
2.35
2.50
                                     3.33
3.33
3.33
3.33
    -300.00
                                                                                                  1.30
3.20
1.00
0.80
                                                                                                                 3,33
    -138.00
-108.00
-78.00
                                                                                                                 3.33
                                                                                  ~5.00
                                                                                                                 1.00
                                                                                   10,00
                                                                                                                              2.25 S
     -68.00
                                      3,33
                                                                                                                 1.00
                                                                                   25,00
                                                                                                  0.80
     -62.00
                       2.50
                                      3,33
                                                                                 50,00
70,00
150,00
                                                                                                  0.80
                                                                                                                 1.00
                     1.60
0.75
-0.05
                                      1.00
     -38.00
                                                                                                  2.70
3.50
3.50
                                                                                                                 1.00
                                      1.00
     -16.00
-6.00
                                                                                                                 1.00
                                      1.00
                                                                                 200.00
                                                                                                                 3.33
3.33
       -2.00
                     -0.10
                                      1.00
                                                                                 220.00
250.00
                                                                                                  1,00
        0.00
                     -0.20
                                      1,00
                     -0.20
-0.20
-0.20
                                     1.00
1.00
1.00
                                                                                 300.00
                                                 . <25
        4.00
                                                                                                  3.50
       29.00
31.00
50.00
                                                                                                 10.00
                                                                                                                 3,33
                                                                                                                             <3>
                                                                             ******
                      -0.20
                                      1,00
                     2.20
2.50
2.50
10.00
       68.00
                                      1.00
                                                                                           11=0.030
                                      3.33
3.33
3.33
       79,00
     300.00
                                                                                            11=0.100
                                                   <.15
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1988-01 TURAG				1988-11			
	000	•		TURAG 9 , :	LAG		
COORDINATES				COORDINATES	ino.	•	
1	90.373	23.9	0.7.C	1	90,338	23.5	115
FLOW DIRECTION			710	FLOW DIRECTIO			913
0				0	-111		
DATUM				DATUM			
0.00				0.00			
PROFILE	12			PROFILE	21		
-1000.00	10.00	1.00	\$17	-1000.00	10.00	1.00	<1>
-1000,00	5.51	3,33	• • •	-1000,00	4.20	3,33	
-100.00	1,90	3.33		-182.00	1.20	3,33	
-35.00	5.50	3,33		-82,00	1, 10	3.33	-
-28.00	1.80	1.00		-30.00	1.00	3,33	
0.00	0.80	1.00	<25	-20.00	1.55	1.00	
28.00	0.80	- 1.00		-12.00	1.10	1.00	
50.00	0.80	1.00		-10.00	0.25	1,00	
100.00	4.50	1.00		0.00	-0.10	1,00	<2.5
190.00	4.00	3.33		18.00	-0.40	1.00	
1000.00	4.00	3.33		28.00	-0.10	1.00	
1000.00	10.00	3.33	<3>	50.00	-0.40	1.00	
********	*******	******		70.00	1.10	1.00	
	_			104.00	1.00	3.33	
7	$\eta_1 = 0.030$ $\eta_2 = 0.100$			163.00	3.80	3.33	
* ***				222.00	1.05	3,33	
2	$\eta_{2} = 0.700$			252.00	4.10	3.33	
				292.00	5.50	3.33	
4				381.00	6.20	3,33	
				800,00	6.20	3.33	
				800.00	10.00	3.33	< 3 >
•	•			*********	********	*****	

11=0.030 12=0.100

1988-DI 1988-D1 TURAG TURAG 12.100 13.000 COORDINATES COORDINATES 23.894 90.338 FLOW DIRECTION 1 90.312 23,892 FLOW DIRECTION DATUM 0.00 DATUM 0.00 PROFILE -1000.00 PROFILE -1000.00 -1000.00 21 10.00 18 10.00 7.31 7.30 1.00 3.33 3.33 1.00 <1 > $\langle 1 \rangle$ 3.33 3.33 3.33 3.20 -260.00 -190.00 -240.00 -220.00 -160.00 3.10 3.70 4.00 6.503.33 -160.00 -130,00 -100,00 -70,00 -66,00 3.33 7.80 3.33 $\begin{array}{c} 8.20 \\ 7.80 \end{array}$ $\frac{3.33}{3.33}$ 3.33 3.33 -140.00 3,60 1.00 -130.00 5.50 2.40 2.40 1.60-80.00 -:10.00 -30.00 3.33 3,50 1.00 -30.00 1.00 3,00 1,00 $-22.00 \\ -10.00 \\ 0.00$ 1.00 1.00 0.80 1.00 <25> -10.00 1.00 1.00 1.00 0.60 <2> 1.00 100.00 1.00 0.60 2.70 2.80 50.00 120.00 200.00 1.00 4.00 1.00 80.00 3,33 5.00 1.00 170.00 260.00 250.00 8.00 8.00 3,33 3,33 3,33 3.80 1.00 100.00 3.33 3.33310.00 1.25 100.00 10.00 6.00 <35 370,00 3,33 120.00 190.00 9.00 3.33 11=0.030 <35 3.33 10.00 ***** 112=0.100

> M=0.030 M=0.100

1988-D1 TURAG 15. COORDINATES 1 FLOW DIRECTI	100 90.353 ON	23.	875
DATUN 0.00			
PROFILE	24		
-100,00	10.00	1.00	(15
-400,00	2.60	3.33	=
-134.00	2.60	3.33	
-106.00	3.75	3.33	
-100.00	3.10	3.33	
-70.00	3.00	3.33	
-38.00	3,50	3.33	
-24.00	2.10	1.00	
-4.00	0.35	1.00	
0.00	-0.50	1.00	
8.00	-0.50	1.00	
22,00	-0.50	1.00	
34.00	-0.50	1.00	
50.00	-0.50	1.00	
81.00	3.80	1.00	
144.00	3.25	3,33	
204.00	3.00	3.33	
234.00	2.60	3.33	
266,00	2.60	3.33	
294.00	3.90	3.33	
324.00	1.50	3.33	
357.00	7.00	3.33	
408,00	8.75	3.33	
408,00	10.00	3.33	< 3 >
********		*****	
	1=0.030		
,			
3	$n_2 = 0.100$		

	300		
COORDINATES	00.010	0.0	
PLOU Propont	. 90,318	23.	601
FLOW DIRECTI	CiM		
DATUM			
0.00			
PROFILE	14		
-1000,00	10.00	1.00	< 1
-1000,00	3.20	3.33	
-326,00	3.20	3,33	
-204,00	3.20	3.33	* *
-80.00	2.90	3,33	
-50,00	-0.80	1.00	
0.00	-0.80	1.00	< 25
22.00	0.80	1.00	
72.00	3.15	1,00	
90.00	5.80	3.33	
116.00	8.20	3.33	
226,00	8,20	3.33	
1000.00	8,20	3.33	
1000.00	10.00	3.33	< 30

M1=0.030 M2=0.100

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1988-рт
TURAG
             18,700
COORDINATES
I
FLOW DIRECTION
                    90.340
                                          23.846
DATUM
        0.00
PROFILE
                      18
   -1300.00
-1300.00
-80.00
                      10.00
                                      1.00
                                                   <1>
                       3.01
3.00
0.10
                                      3.33
                                      3.33
1.00
1.00
      -50.00
      -25.00
                       0.10
     -15.00
0.00
                       0.10
                                      1.00
                       0.10
0.50
1.00
                                      1.00
                                                   <2>
       15.00
                                      1.00
       15.00
      63.00
75.00
98.00
                      5.10
7.00
                                      3.33
                                      3.33
                      5.00
2.50
                                      3.33
     115.00
                                     3,33
3,33
     180.00
                       2.50
     242.00
                       3.50
                                      3,33
     345.00
700.00
                      1.20
                                     3,33
                     5.10
10.00
*****
                                     3.39
     700.00
                                     3.33
****
                                                  <3>
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11,=0.030

11=0.100

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1988-n1
TURAG
             20.000
COORDINATES
                    90.342
     1
                                          23.837
FLOW DIRECTION
DATUM
       0.00
PROFILE
                     17
10.00
2.00
2.00
  -1000.00
-1000.00
                                     1.00
                                                  <1>
                                     3.33
3.33
3.33
   -250.00
-190.00
-126.00
                      1.90
                      2.10
2.30
0.80
                                     3.33
     -45.00
                                     3.33
     -33.00
                                     1.00
     -20.00
                     -2.90
                    -5.10
-7.00
-7.00
-7.00
    -12.00
0.00
                                     1.00
                                     1.00
                                                  ₹2>
      10.00
                                     1.00
      50.00
                                     1.00
      80.00
                      2.30
                                     \frac{1.60}{3.33}
    103.00
                      2.30
                      2^{\circ}, 30
                                     3,33
   1000.00
                    2.30
                                    3,33
   1000.00
                                   3.33
*****
  *******
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Mi=0030 Nz=0.100

•			
1988-D1			
TURAG			
22.6	00 : 1		
COORDINATES			
1	90.340	23.8	321
FLOW DIRECTIO	ON		
0			
DATUM			
0.00			
PROFILE	22	1.	
-500.00	10.00	1.00	(1)
-500.00	9.30	3.33	
-145.00	9.30	3.33	
-130.00	7.20	3.33	
-119.00	1.20	3.33	
-110.00	4.00	3.33	
-65.00	3.20	3.33	
-50.00	3,00	3.33	
-28.00	2.00	3.33	
-18.00	0.20	1.00	
-9.00	-3.90	1.00	
0.00	-5.70	1.00	. (2)
10.00	-5.70	1.00	
14.00	-5.70	1.00	
22.00	-5.70	1.00	
30.00	-5.70	1.00	
50.00	~5.70	1.00	
95,00	1.50	1.00	
180.00	2.50	3.33	
205.00	2,50	3.33	
800.00	2.50	3.33	
. 800.00	10.00	3.33	< 3 -
********	*******	******	
17.	= 0.030		

1988-01 TURAG			
25.	rno.		
COORDINATES	Onto	•	
1	00 210		
•	90.313	23.1	797
FLOW DIRECTI	ÜN		
0			
DATUM			
0.00			
PROFILE	15	*	
-500.00	10.00	1.00	13.15
-500.00	7.01	3.33	
~312.00	7.01	3,33	
-82.00	7,00	3.33	
-62.00	7.00	3.33	
-17.00	1.80	1.00	
-12.00	-1.50	1.00	
0.00	-1,50	1.00	<25
15,00	-1.50	1.00	-
32.00	~1.50	1.00	
50.00	-1.50	1.00	
88.00	7.00	1.00	
93.00	7.00	3.33	
700.00	7.00	3.33	
700.00	10.00		.,
******		3.33	3 -
**********	~~~~	*****	
:	11=0.030		

112=0.100

Mi= 0.030 Mi= 0.100

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1988-D1
TURAG
          27.300
COORDINATES
1 FLOW DIRECTION
                90.340
                                  23.783
DATUN
    0.00
PROFILE
-75.00
-75.00
               5
11.00
-2.20
-2.20
                              1.00
1.00
1.00
                                         <1>
     0.00
     75.00
                              1.00
                                         (2)
     75.00
                 11.00
                              1.00
                                         <3>
**********
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11=0.030

1988-D1 TURAG 29.100 COORDINATES 1 90.346 23,770 FLOW DIRECTION DATUN

O.00

PROFILE 15 1.00 3.33 3.33 3.33 1.00 -300.00 -300.00 10.00 <1> 10.00 2.11 2.10 2.10 0.90 ~2.70 -3.00 -3.00 -100.00 -31.00 -23.00 -10.00 0.00 17.00 20.00 1.00 <25 1.00 1.00 1.00 1.00 -3.00 -3.00 33.00 81.00 100.00 110.00 -3.00 1.00 5.00 5.01 1.00 1500.00 3.33 3.33 **** 1500.00 10.00 ₹35

n.=0.030

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1988-D1
1988-D1
                                                                  TURAG
TURAG
                                                                               32.200
           31.700
                                                                  COORDINATES
COORDINATES
                                                                                                         23,749
                  90,333
                                      23.753
                                                                                     90.333
                                                                  FLOW DIRECTION
FLOW DIRECTION
                                                                   Û
                                                                  DATUM
DATUM
       0.00
                                                                          0.00
PROFILE
                   18
                                                                  PROFILE
                                              <15
   ~505.00
                   10.00
                                  1.00
                                                                                                     1,00
3,33
3,33
                                                                     -1520.00
                                                                                      10.00
                                                                                                                 < 1:
                                  3,33
   -505.00
                    3.51
                                                                     -1520.00
-1390.00
-1370.00
                                                                                       \frac{3.10}{1.00}
   -185.00
                    3.50
3.48
                                  1.00
    -95,00
                                                                                       1.00
                                                                                                     3.33
     -55.00
                   -1.20
                                  1.00
                                                                     -1360.00
                                                                                       3.80
                                                                                                     3.33
      -5.00
                   -2.55
                                  1.00
                                                                      -890.00
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2) Results of Calibration

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