

THE PEOPLE'S REPUBLIC OF BANGLADESH
FLOOD PLAN COORDINATION ORGANIZATION

MASTER PLAN
FOR
GREATER DHAKA PROTECTION PROJECT
(STUDY IN DHAKA METROPOLITAN AREA)
OF
BANGLADESH FLOOD ACTION PLAN NO.8A

FAP 8A

DATA BOOK I
HYDROLOGY

NOVEMBER 1991

JAPAN INTERNATIONAL COOPERATION AGENCY

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JAPAN INTERNATIONAL COOPERATION AGENCY

DATA BOOK I : Hydrology
(Supporting Report D)

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1. Monthly Rainfall in and around the study Area

MONTHLY AND ANNUAL RAINFALL														
STATION : DHAKA (B.M.D.)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1953	10	2	90	90	274	333	392	326	352	52	13	0	1934
2	1954	14	0	0	86	211	810	320	433	167	218	0	10	2269
3	1955	0	0	0	54	201	254	502	247	149	71	99	0	1577
4	1956	12	5	189	135	69	433	690	489	286	121	53	13	2495
5	1957	68	69	16	117	114	487	385	125	144	29	0	0	1554
6	1958	0	95	5	64	200	161	184	267	91	191	0	0	1258
7	1959	15	4	78	78	254	368	230	413	445	568	0	0	2453
8	1960	0	0	16	19	358	304	655	189	231	38	24	0	1834
9	1961	1	12	20	205	219	856	296	288	221	52	0	0	2170
10	1962	0	15	6	166	205	191	355	273	395	180	0	0	1786
11	1963	0	0	51	98	219	621	404	186	200	182	7	3	1971
12	1964	9	42	18	284	236	354	629	155	269	283	41	0	2320
13	1965	0	28	22	55	305	442	304	480	300	60	131	0	2127
14	1966	0	0	0	34	127	270	291	306	496	261	14	15	1814
15	1967	23	12	168	185	216	241	363	504	266	74	1	0	2053
16	1968	0	5	121	27	194	590	480	290	128	69	74	0	1978
17	1969	0	1	65	86	95	249	198	540	201	103	2	0	1540
18	1970	16	8	23	45	192	276	496	280	200	427	32	0	1995
19	1971	3	28	0	0	344	339	550	540	259	118	95	0	2276
20	1972	0	11	12	248	340	353	249	380	110	105	0	0	1808
21	1973	0	21	32	131	621	414	444	238	348	128	64	86	2527
22	1974	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1975	1	29	13	98	317	235	559	307	329	232	25	0	2145
24	1976	0	7	117	34	459	627	346	361	165	114	8	0	2238
25	1977	0	66	71	255	381	252	306	92	131	273	10	24	1861
26	1978	0	20	18	194	454	529	320	426	192	98	0	0	2251
27	1979	3	13	6	17	114	258	267	525	382	146	55	51	1837
28	1980	3	32	54	147	414	323	380	269	296	300	0	0	2218
29	1981	10	42	108	292	411	325	356	187	320	82	9	35	2177
30	1982	0	15	81	104	154	514	140	343	258	146	51	0	1806
31	1983	0	63	138	318	348	298	181	408	322	253	0	0	2329
32	1984	13	1	7	124	708	635	891	311	478	58	0	0	3226
33	1985	8	1	195	176	300	399	262	317	306	79	0	10	2053
34	1986	6	0	23	231	119	308	450	171	687	237	172	3	2407
35	1987	4	0	33	230	109	316	526	462	363	104	7	33	2187
36	1988	0	44	74	282	513	580	255	169	196	213	153	3	2482
37	1989	0	32	0	85	228	319	347	59	305	240	0	12	1627
38	1990	0	36	151	154	202	230	-	-	-	-	-	-	-
AVERAGE		6	21	55	134	276	392	389	315	277	164	32	8	2072

MONTHLY AND ANNUAL RAINFALL												
STATION NO. 9 DHAKA (BWDB)												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
												DEC.
												(Unit: mm)
												ANNUAL
1	1957	-	-	-	118	61	297	349	109	138	23	0
2	1958	3	-	4	34	119	90	173	280	43	155	2
3	1959	61	21	91	18	119	270	239	337	412	544	0
4	1960	0	0	14	70	283	245	489	196	208	42	8
5	1961	12	47	52	71	426	495	258	388	132	120	0
6	1962	11	16	7	137	232	175	357	282	430	182	0
7	1963	1	0	29	71	233	678	330	194	162	201	6
8	1964	13	51	21	340	254	334	673	170	224	285	70
9	1965	0	14	28	61	334	442	331	436	301	30	124
10	1966	12	0	7	34	143	354	327	277	607	223	17
11	1967	-	-	-	104	181	208	335	476	248	55	0
12	1968	0	0	95	64	200	449	433	266	83	64	76
13	1969	0	1	84	90	90	255	281	494	155	79	28
14	1970	15	8	38	47	180	287	414	236	190	418	38
15	1971	0	23	0	176	367	310	479	485	262	107	86
16	1972	0	0	12	260	323	469	253	294	76	138	0
17	1973	0	16	0	134	618	271	241	237	399	121	65
18	1974	0	0	43	141	148	247	604	391	235	145	1
19	1975	1	29	15	91	241	283	625	231	268	317	29
20	1976	0	5	95	17	378	649	330	386	148	109	7
21	1977	0	66	74	296	593	301	263	90	121	301	35
22	1978	0	10	22	171	521	583	337	452	185	74	0
23	1979	3	19	37	61	79	256	365	437	383	146	5
24	1980	0	31	51	143	411	330	394	234	290	299	0
25	1981	8	34	94	274	188	154	235	197	320	82	9
26	1982	0	15	81	104	154	514	136	346	258	84	51
27	1983	18	25	219	318	348	299	179	434	322	253	0
28	1984	13	1	7	124	707	637	694	311	477	57	0
29	1985	8	1	195	176	300	399	262	338	306	79	0
30	1986	6	0	23	231	191	308	450	171	687	237	172
31	1987	3	0	33	230	109	316	526	462	363	104	7
32	1988	0	44	74	282	517	579	255	169	196	253	153
33	1989	0	32	0	85	224	318	347	59	305	240	0
34	1990	0	36	151	-	-	-	-	-	-	-	-
AVERAGE		6	18	53	139	281	358	363	299	271	169	30
												9
												2063

MONTHLY AND ANNUAL RAINFALL														
STATION NO. 17 JOYDEPRUR (BWDB)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1961	-	-	-	93.0	439.1	463.9	220.8	257.8	169.8	119.5	0.0	0.0	-
2	1962	0.0	15.0	4.1	122.4	343.1	393.3	388.0	200.0	391.6	155.6	0.0	0.0	2013.1
3	1963	0.0	0.0	13.2	154.4	261.1	355.3	297.4	287.1	108.4	113.2	17.3	0.0	1607.4
4	1964	0.0	12.7	15.3	239.4	317.6	232.7	512.1	233.8	225.3	431.7	7.6	0.0	2228.2
5	1965	0.0	0.5	0.0	19.0	264.1	591.9	326.8	490.1	139.2	22.9	8.9	1.3	1864.7
6	1966	3.8	0.0	2.5	60.2	85.0	437.0	337.7	490.3	406.2	244.0	48.3	11.4	2126.4
7	1967	21.6	0.0	128.9	120.2	262.8	307.4	317.6	550.0	200.7	73.7	0.0	0.5	1983.4
8	1968	0.0	1.0	50.0	106.1	213.9	565.1	378.2	342.4	164.3	37.0	19.8	0.0	1877.8
9	1969	0.0	0.0	85.1	205.2	112.5	364.4	378.7	498.2	281.0	85.1	39.3	0.0	2049.5
10	1970	7.3	1.5	8.9	72.9	138.0	222.3	381.3	283.8	113.8	438.6	10.7	0.0	1679.1
11	1971	0.0	0.0	0.0	23.9	273.0	349.9	347.7	628.7	269.1	73.4	96.4	0.0	2062.1
12	1972	0.0	12.7	4.3	156.3	118.7	220.4	178.0	273.9	162.7	64.8	0.0	0.0	1191.8
13	1973	8.1	116.1	18.5	200.8	361.4	535.5	524.0	423.3	307.2	137.4	35.3	71.1	2738.7
14	1974	0.0	0.0	89.9	172.6	240.2	248.9	593.2	248.5	367.2	129.6	0.0	0.0	2090.1
15	1975	0.0	0.5	21.6	101.6	256.6	229.1	633.7	211.8	238.7	349.6	2.5	0.0	2045.7
16	1976	0.0	2.5	57.7	63.5	191.3	486.9	332.7	334.2	152.4	50.8	5.1	0.0	1677.1
17	1977	0.0	36.5	42.9	252.9	382.7	341.2	385.1	239.5	96.9	113.0	69.9	36.0	1996.6
18	1978	0.0	16.0	43.5	162.7	577.1	788.3	518.8	197.8	258.0	14.7	0.0	0.0	2576.9
19	1979	0.0	32.2	64.8	68.6	50.8	641.3	386.2	634.6	684.6	139.7	30.5	27.9	2761.2
20	1980	0.0	0.0	22.1	150.6	411.4	312.9	361.5	265.7	225.0	300.4	0.0	0.0	2049.6
21	1981	0.0	73.3	58.8	432.4	252.3	193.6	478.9	484.6	165.8	0.0	0.0	38.6	2178.3
22	1982	0.0	0.0	157.9	235.2	192.1	494.3	346.7	484.9	396.9	25.2	32.0	0.0	2365.2
23	1983	10.7	58.2	176.7	157.0	347.6	334.8	227.5	638.6	453.1	428.5	0.0	18.8	2851.5
24	1984	0.0	0.0	18.0	84.6	559.0	536.6	443.0	313.2	483.6	185.9	0.0	0.0	2623.9
25	1985	0.0	0.0	48.2	62.8	249.9	529.5	157.3	174.9	246.1	113.0	0.0	0.0	1581.7
26	1986	2.8	9.9	19.8	192.2	240.5	343.6	346.8	342.7	497.7	410.7	136.9	3.0	2546.6
27	1987	0.0	0.0	74.4	137.9	131.2	316.9	743.9	371.0	351.6	113.7	21.8	0.0	2262.4
28	1988	0.0	74.5	49.3	96.6	715.8	530.1	439.3	239.8	194.6	265.5	121.7	0.0	2727.2
29	1989	0.0	10.7	0.0	66.3	94.1	266.7	481.4	107.5	182.8	250.6	0.0	10.2	1470.3
30	1990	0.0	32.3	196.0	-	-	-	-	-	-	-	-	-	-
AVERAGE		1.9	17.5	50.8	138.3	278.7	401.2	395.3	353.4	273.6	168.5	24.3	7.5	2115.2

MONTHLY AND ANNUAL RAINFALL														
STATION NO. 31 SAVAR (BWDB)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1962	-	-	-	107.9	228.2	235.7	410.2	122.3	370.9	107.2	0.0	0.0	-
2	1963	0.0	0.0	10.2	86.7	-	-	423.2	300.0	161.4	157.9	9.4	0.0	-
3	1964	0.0	24.6	39.5	279.5	167.5	251.9	553.9	207.5	256.5	440.5	0.0	0.0	2221.4
4	1965	0.0	7.6	17.0	32.7	264.7	574.7	460.2	528.6	172.9	81.0	130.1	0.0	2269.5
5	1966	17.3	0.0	7.4	52.3	109.1	214.9	222.9	375.1	390.7	207.6	33.1	25.1	1655.5
6	1967	23.1	0.0	62.8	88.2	205.9	220.7	194.7	354.9	395.2	60.2	0.0	0.0	1605.7
7	1968	0.0	0.0	39.9	98.6	159.6	515.9	402.8	536.9	345.6	43.9	56.7	0.0	2199.9
8	1969	0.0	0.0	108.5	90.7	177.3	235.9	331.2	627.5	163.3	70.5	38.6	0.0	1843.5
9	1970	16.5	4.3	13.2	90.8	233.6	203.8	402.9	244.2	250.3	318.6	10.9	0.0	1789.1
10	1971	1.3	21.3	0.0	198.6	196.0	274.7	384.1	594.9	352.3	89.7	67.6	0.0	2180.5
11	1972	0.0	11.6	14.0	105.0	189.5	356.7	166.4	273.8	223.6	155.7	0.0	0.0	1496.3
12	1973	0.0	72.8	18.3	201.0	409.7	443.9	276.0	262.2	352.0	102.7	32.0	86.4	2257.0
13	1974	0.0	0.0	49.6	252.4	234.4	226.2	485.4	231.2	165.6	84.7	0.0	0.0	1729.5
14	1975	0.0	0.0	12.2	162.3	371.4	240.4	647.3	356.5	196.4	211.5	15.3	0.0	2213.3
15	1976	0.0	2.3	37.6	66.0	341.5	546.8	411.1	459.9	122.2	55.1	0.0	0.0	2042.5
16	1977	0.0	50.1	73.7	391.2	392.4	341.3	329.4	131.2	164.9	216.8	0.0	29.5	2120.5
17	1978	0.0	38.1	33.6	173.0	541.7	519.1	533.0	270.6	297.3	51.5	2.5	0.0	2460.4
18	1979	0.0	1.7	5.0	34.2	55.8	258.1	707.1	673.2	555.1	213.4	50.8	0.0	2554.4
19	1980	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-
20	1981	-	-	-	317.6	185.0	272.9	377.7	388.5	233.9	47.1	0.0	44.4	-
21	1982	5.6	27.0	125.5	156.0	142.4	488.6	176.2	280.3	146.7	0.0	43.4	0.0	1591.7
22	1983	9.6	33.3	87.9	356.7	234.3	165.6	210.5	400.6	259.1	236.6	0.0	15.5	2009.7
23	1984	1.5	0.0	9.2	111.6	428.7	590.5	572.2	291.1	234.6	79.9	0.0	0.0	2319.3
24	1985	0.0	0.0	219.8	95.8	208.3	184.3	328.9	352.4	191.5	116.8	0.0	0.0	1697.8
25	1986	1.3	0.0	15.2	228.4	161.3	277.5	282.1	297.8	477.1	310.0	127.7	0.0	2178.4
26	1987	0.0	0.0	33.1	278.0	71.1	532.3	369.7	423.3	477.3	50.8	0.0	0.0	2235.6
27	1988	0.0	36.3	45.7	-	-	-	-	-	-	-	-	-	82.0
28	1989	-	-	-	96.6	163.8	271.6	430.6	104.3	263.7	149.1	0.0	14.0	1493.7
29	1990	0.0	10.1	120.8	-	-	-	-	-	-	-	-	-	-
AVERAGE		2.9	13.1	46.1	159.7	234.9	337.8	388.1	349.6	277.7	140.7	23.8	8.3	1927.0

MONTHLY AND ANNUAL RAINFALL														
STATION NO. 76 NARSINDI (BWDB)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1961	-	-	-	83.8	396.9	402.4	489.0	416.2	172.5	79.2	6.4	0.0	-
2	1962	21.8	45.2	31.0	141.4	307.7	347.5	476.8	272.3	209.5	278.2	0.0	0.0	2131.4
3	1963	2.0	0.0	54.1	97.0	296.4	573.1	437.9	189.0	136.8	198.7	15.7	0.0	2000.7
4	1964	0.0	12.2	25.7	332.7	323.5	519.1	912.0	223.2	551.9	283.2	53.0	0.0	3236.5
5	1965	0.0	17.5	39.4	25.0	153.9	642.2	587.3	705.4	580.6	66.0	59.4	5.8	2882.5
6	1966	11.7	0.0	6.1	260.2	172.0	594.4	304.8	580.9	493.9	348.1	62.2	25.1	2859.4
7	1967	27.1	0.0	80.2	201.4	194.2	532.0	485.1	391.0	563.1	116.2	0.0	0.0	2590.3
8	1968	5.3	6.8	56.4	209.0	264.5	588.2	408.0	394.2	266.0	27.0	32.8	0.0	2258.2
9	1969	3.0	0.0	202.1	415.2	61.7	753.7	618.1	554.0	452.3	131.7	53.0	0.0	3244.8
10	1970	14.8	4.1	36.5	134.9	266.8	279.8	600.7	575.6	318.9	471.2	18.3	0.0	2721.6
11	1971	12.2	9.7	0.0	103.4	430.8	756.1	513.2	910.6	152.4	74.9	68.5	0.0	3031.8
12	1972	0.0	29.0	23.4	315.6	401.4	589.4	337.4	487.1	253.4	56.7	0.0	0.0	2493.4
13	1973	14.7	92.7	57.1	160.8	874.9	667.0	529.9	446.6	377.3	160.2	72.7	165.9	3619.8
14	1974	3.0	0.0	108.7	311.4	346.1	299.5	1047.6	364.0	287.7	72.1	3.0	0.0	2843.1
15	1975	0.0	11.7	5.4	87.9	241.2	107.5	490.0	117.9	289.9	192.4	48.7	0.0	1592.6
16	1976	0.0	41.1	25.4	101.3	257.8	722.0	349.0	625.1	76.5	52.9	11.4	0.0	2262.5
17	1977	0.0	15.8	17.5	384.5	411.6	504.1	366.4	302.5	32.4	303.8	28.5	36.4	2403.5
18	1978	0.0	15.7	11.0	242.2	897.9	879.0	380.8	140.9	107.9	100.8	0.0	0.0	2776.2
19	1979	2.0	16.5	49.3	66.5	135.7	358.1	635.2	345.6	376.3	59.6	37.1	22.1	2104.0
20	1980	7.6	9.2	21.6	170.6	676.0	351.9	303.4	148.5	212.6	577.0	0.0	0.8	2479.2
21	1981	3.1	38.3	57.9	525.3	256.7	110.9	671.6	428.8	331.4	7.6	0.0	11.4	2443.0
22	1982	0.0	2.0	124.4	161.5	326.5	568.2	63.4	359.2	171.8	29.7	30.3	0.0	1837.0
23	1983	10.2	27.6	151.2	191.8	504.3	353.3	298.7	704.7	231.2	309.4	0.0	40.6	2823.0
24	1984	5.0	0.0	19.0	105.7	1064.9	752.6	774.0	617.7	742.3	133.6	0.0	0.0	4214.8
25	1985	12.7	0.0	76.2	106.0	356.1	504.2	454.4	502.5	273.9	153.0	0.0	3.3	2442.3
26	1986	22.8	0.0	2.0	378.6	361.2	256.7	497.0	397.1	564.0	599.5	195.6	0.0	3264.5
27	1987	2.0	18.3	58.9	225.9	135.7	574.4	463.8	635.7	229.1	72.7	27.2	22.4	2466.1
28	1988	0.0	46.3	124.2	100.4	648.8	692.4	620.5	299.1	194.9	164.1	114.4	8.9	3014.0
29	1989	0.0	57.1	11.9	54.4	278.4	332.6	220.8	64.9	224.4	168.5	0.0	13.2	1426.2
30	1990	0.0	41.3	155.7	-	-	-	-	-	-	-	-	-	-
AVERAGE		6.2	19.2	56.3	196.4	380.8	503.9	494.4	420.7	306.0	182.0	32.4	12.3	2623.7

[illegible]

MONTHLY AND ANNUAL RAINFALL														
STATION NO. 365 MUNSHIGANJ (BWDB)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1963	-	-	-	129.8	314.4	412.8	270.5	223.5	136.7	166.2	15.7	0.0	-
2	1964	1.0	100.6	38.9	-	-	-	-	-	-	-	-	-	-
3	1965	-	-	-	39.1	265.1	423.4	443.8	428.9	297.7	58.1	32.6	5.1	-
4	1966	7.4	0.0	5.8	40.1	95.3	413.5	292.7	334.0	293.3	268.3	12.7	30.2	1793.3
5	1967	33.0	0.0	81.9	118.3	187.8	172.9	338.6	430.9	302.6	52.0	0.0	0.0	1718.0
6	1968	0.0	0.0	57.6	84.0	207.8	549.9	564.7	254.3	81.4	70.1	111.8	0.0	1981.6
7	1969	0.0	0.0	76.1	147.2	58.6	405.0	291.0	458.9	269.7	138.7	26.4	0.0	1871.6
8	1970	16.0	7.4	118.8	191.0	79.9	353.0	396.1	293.2	306.9	413.5	74.2	0.0	2250.0
9	1971	28.4	19.3	0.0	153.6	341.7	614.5	565.2	929.6	120.8	63.5	38.1	0.0	2874.7
10	1972	0.0	1.0	0.0	375.9	193.0	472.4	491.8	807.7	205.6	45.7	0.0	0.0	2593.1
11	1973	0.0	172.7	96.5	274.8	952.5	680.8	693.5	536.0	853.4	172.8	137.2	76.2	4646.4
12	1974	0.0	0.0	0.0	121.9	833.1	1513.8	914.4	1292.9	370.8	0.0	0.0	0.0	5046.9
13	1975	0.0	20.3	0.0	233.7	188.0	370.8	876.2	182.9	290.7	405.3	34.3	0.0	2602.2
14	1976	10.2	0.0	0.0	50.8	114.6	525.7	736.4	575.6	0.0	0.0	0.0	0.0	2013.3
15	1977	0.0	35.6	33.0	420.5	374.8	525.6	267.7	26.7	47.7	73.9	2.3	1.8	1809.6
16	1978	0.0	19.0	10.2	51.4	500.4	438.6	104.6	101.3	154.4	8.1	0.9	0.0	1388.9
17	1979	0.5	0.8	2.8	21.8	1.6	403.8	436.1	632.3	334.3	0.0	2.1	1.3	1837.4
18	1980	0.0	2.6	0.0	1.0	7.5	7.9	7.5	5.4	4.0	7.2	0.0	0.0	43.1
19	1981	3.8	0.0	0.0	333.6	273.3	202.8	278.9	267.6	263.5	80.8	4.1	24.3	1732.7
20	1982	0.0	0.0	42.1	273.9	199.5	379.4	267.7	501.2	201.0	24.1	72.4	0.0	1961.3
21	1983	7.1	23.6	91.7	328.6	418.5	184.4	94.3	610.9	364.4	151.8	46.0	11.5	2332.8
22	1984	4.1	0.0	62.3	33.8	360.0	566.9	453.4	167.3	442.7	73.2	0.0	0.0	2163.7
23	1985	0.0	2.1	0.0	58.9	288.3	237.9	198.9	161.0	233.0	40.1	0.0	0.0	1220.2
24	1986	3.3	0.0	3.8	186.0	159.4	271.4	596.8	143.5	330.9	118.1	216.0	0.0	2029.2
25	1987	0.0	2.0	13.0	168.1	115.7	257.1	428.1	429.0	38.1	8.9	0.0	0.0	1460.0
26	1988	0.0	34.3	298.9	193.4	263.5	417.5	182.8	189.6	202.0	231.0	58.7	0.0	2071.7
27	1989	0.0	2.0	0.0	57.1	255.6	263.8	241.2	14.0	328.9	243.3	0.0	5.1	1411.0
28	1990	0.0	9.6	216.2	-	-	-	-	-	-	-	-	-	-
AVERAGE		4.4	17.4	48.1	157.2	271.2	425.6	401.3	384.5	249.0	112.1	34.1	6.0	2118.9

MONTHLY AND ANNUAL RAINFALL														
STATION NO. 412 NAWABGONJ (BWDB)														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	(Unit: mm) ANNUAL
1	1965	-	-	-	232	166	388	279	416	182	52	8	0	-
2	1966	15	0	0	29	82	220	439	285	359	235	24	15	1703
3	1967	34	0	97	170	89	221	304	289	245	51	0	2	1501
4	1968	0	4	85	88	114	471	405	366	130	75	231	0	1967
5	1969	0	12	122	157	63	287	264	448	151	85	30	0	1618
6	1970	10	6	21	208	180	364	365	323	341	354	14	0	2185
7	1971	4	39	15	145	308	340	471	464	281	6	0	0	2073
8	1972	0	10	0	0	141	491	295	197	89	57	0	0	1280
9	1973	0	17	16	157	462	341	351	259	242	34	33	81	1992
10	1974	0	0	107	202	184	289	670	179	113	0	0	0	1743
11	1975	0	0	0	127	252	399	362	246	159	37	0	0	1581
12	1976	0	0	116	-	-	-	-	-	-	-	-	-	-
13	1977	-	-	-	378	211	253	422	70	85	108	29	23	1579
14	1978	0	8	13	83	285	206	201	99	234	19	0	0	1146
15	1979	0	10	10	18	43	170	196	158	122	61	18	0	805
16	1980	0	23	0	61	246	422	191	272	38	43	0	0	1296
17	1981	0	50	54	368	239	226	392	228	287	84	6	18	1952
18	1982	0	13	61	-	-	-	-	-	-	-	-	-	-
19	1983	-	-	-	247	239	85	83	344	125	168	0	3	-
20	1984	0	0	0	3	269	264	378	258	165	0	0	0	1337
21	1985	0	0	0	46	104	98	251	258	221	0	0	0	978
22	1986	0	0	6	-	-	-	-	-	-	-	-	-	-
23	1987	-	-	-	205	83	251	329	345	391	66	0	0	1670
24	1988	0	33	142	-	-	-	-	-	-	-	-	-	-
25	1989	-	-	-	79	193	267	302	107	259	119	0	0	1326
26	1990	0	6	66	-	-	-	-	-	-	-	-	-	-
AVERAGE		3	11	44	143	188	288	331	267	201	79	19	7	1565

2. Probable Storm Rainfall of Dhaka (B.M.D.),
Savar (BWDB Sta. 31), Joydebpur (BWDB
Sta. 17) and Narayanganj (B.M.D.)

Dhaka (B.M.D.): 1 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Dhaka (B.M.D.) - Daily

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 36

K	R(K)
1	90.00
2	147.00
3	115.00
4	326.00
5	73.00
6	137.00
7	125.00
8	141.00
9	185.00
10	116.00
11	129.00
12	114.00
13	177.00
14	257.00
15	125.00
16	145.00
17	86.00
18	152.00
19	251.00
20	231.00
21	168.00
22	143.00
23	163.00
24	100.00
25	128.00
26	108.00
27	91.00
28	83.00
29	146.00
30	128.00
31	150.00
32	92.00
33	176.00
34	138.00
35	135.00
36	118.00

SORTING RESULTS

K	R(K)
1	326.00
2	257.00
3	251.00
4	231.00
5	189.00
6	185.00
7	177.00
8	176.00
9	168.00
10	163.00
11	152.00
12	150.00
13	147.00
14	146.00
15	145.00
16	143.00
17	141.00
18	138.00
19	137.00
20	135.00
21	128.00
22	128.00
23	125.00
24	125.00
25	118.00
26	116.00
27	115.00
28	114.00
29	108.00
30	100.00
31	92.00
32	91.00
33	90.00
34	86.00
35	83.00
36	73.00

T(YR)	KG	X
1.00	-3.9413	-61.98
2.00	-0.1643	137.14
3.00	0.2538	159.19
4.00	0.5214	173.29
5.00	0.7195	183.74
6.00	0.8770	192.04
7.00	1.0079	198.94
8.00	1.1198	204.84
9.00	1.2177	210.00
10.00	1.3046	214.58

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	214.58
20.00	1.8658	244.17
30.00	2.1887	261.20
40.00	2.4163	273.20
50.00	2.5923	282.47
60.00	2.7358	290.04
70.00	2.8569	296.42
80.00	2.9617	301.95
90.00	3.0541	306.82
100.00	3.1367	311.17

** X: RAINFALL(MM) **

XM = 145.8056

STANDARD DEVIATION

SG = 52.72088

26

Dhaka (B.M.D.) : 2 day rainfall

**** GUMBEL-CHOW'S METHOD ****

STATION NAME : Dhaka (B.M.D.)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 10 (YR)

TE = 100 (YR)

SY = 10 (YR)

ORIGINAL DATA

N = 36

SORTING RESULTS

K	R(K)
1	127.00
2	255.00
3	120.00
4	346.00
5	98.00
6	140.00
7	179.00
8	223.00
9	185.00
10	141.00
11	257.00
12	206.00
13	181.00
14	270.00
15	147.00
16	240.00
17	104.00
18	262.00
19	328.00
20	251.00
21	177.00
22	212.00
23	263.00
24	133.00
25	191.00
26	166.00
27	125.00
28	148.00
29	167.00
30	194.00
31	200.00
32	132.00
33	321.00
34	172.00
35	175.00
36	151.00

K	R(K)
1	346.00
2	328.00
3	321.00
4	270.00
5	263.00
6	262.00
7	257.00
8	255.00
9	251.00
10	240.00
11	223.00
12	212.00
13	206.00
14	200.00
15	194.00
16	191.00
17	185.00
18	181.00
19	179.00
20	177.00
21	175.00
22	172.00
23	167.00
24	166.00
25	151.00
26	148.00
27	147.00
28	141.00
29	140.00
30	133.00
31	132.00
32	127.00
33	125.00
34	120.00
35	104.00
36	98.00

T(YR)	KG	X
1.00	-3.9413	-52.91
2.00	-0.1643	183.79
3.00	0.2538	209.99
4.00	0.5214	226.76
5.00	0.7195	239.17
6.00	0.8770	249.04
7.00	1.0079	257.24
8.00	1.1198	264.26
9.00	1.2177	270.39
10.00	1.3046	275.84

**** X: RAINFALL(MM) ****

T(YR)	KG	X
10.00	1.3046	275.84
20.00	1.8658	311.01
30.00	2.1887	331.25
40.00	2.4163	345.51
50.00	2.5923	356.54
60.00	2.7358	365.53
70.00	2.8569	373.12
80.00	2.9617	379.69
90.00	3.0541	385.48
100.00	3.1367	390.66

**** X: RAINFALL(MM) ****

XM = 194.0833

STANDARD DEVIATION

SG = 62.66905

Dhaka (B.M.D.) : 5 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Dhaka (B.M.D.) - 5 Day

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 36

SORTING RESULTS

K	R(K)
1	150.00
2	323.00
3	181.00
4	430.00
5	184.00
6	170.00
7	309.00
8	331.00
9	317.00
10	154.00
11	327.00
12	241.00
13	219.00
14	238.00
15	250.00
16	379.00
17	139.00
18	313.00
19	355.00
20	314.00
21	205.00
22	401.00
23	436.00
24	175.00
25	216.00
26	234.00
27	259.00
28	158.00
29	133.00
30	250.00
31	236.00
32	169.00
33	401.00
34	234.00
35	301.00
36	152.00

K	R(K)
1	416.00
2	430.00
3	401.00
4	401.00
5	319.00
6	355.00
7	331.00
8	327.00
9	323.00
10	317.00
11	314.00
12	303.00
13	303.00
14	301.00
15	293.00
16	293.00
17	253.00
18	250.00
19	250.00
20	241.00
21	234.00
22	234.00
23	213.00
24	216.00
25	205.00
26	199.00
27	193.00
28	184.00
29	181.00
30	175.00
31	170.00
32	163.00
33	163.00
34	164.00
35	152.00
36	150.00

T(YR)	KG	X
1.00	-3.9413	-59.64
2.00	-0.1643	251.04
3.00	0.2538	285.43
4.00	0.5214	307.44
5.00	0.7195	323.74
6.00	0.8770	336.69
7.00	1.0079	347.46
8.00	1.1198	356.67
9.00	1.2177	364.72
10.00	1.3046	371.87

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	371.87
20.00	1.8658	418.03
30.00	2.1887	444.59
40.00	2.4163	463.32
50.00	2.5923	477.79
60.00	2.7358	489.59
70.00	2.8559	499.56
80.00	2.9617	508.18
90.00	3.0541	515.78
100.00	3.1367	522.57

** X: RAINFALL(MM) **

XM = 264.5556

STANDARD DEVIATION

SG = 82.2572

Dhaka (B.M.D.) : 1 month rainfall

** GUMBEL-CHOX'S METHOD **

STATION NAME : Dhaka (B.M.D.) - 1 Month
 N = NUMBER OF DATA
 R=RAINFALL(MM)
 TS = 1 (YR)
 TE = 10 (YR)
 SY = 1 (YR)

ORIGINAL DATA
 N = 36

SORTING RESULTS

K	R(K)
1	392.00
2	410.00
3	502.00
4	690.00
5	437.00
6	267.00
7	568.00
8	655.00
9	856.00
10	395.00
11	621.00
12	629.00
13	480.00
14	496.00
15	504.00
16	590.00
17	540.00
18	496.00
19	550.00
20	380.00
21	621.00
22	459.00
23	627.00
24	381.00
25	529.00
26	525.00
27	414.00
28	411.00
29	514.00
30	408.00
31	891.00
32	399.00
33	637.00
34	526.00
35	560.00
36	147.00

K	R(K)
1	392.00
2	856.00
3	310.00
4	690.00
5	397.00
6	555.00
7	623.00
8	627.00
9	621.00
10	621.00
11	590.00
12	580.00
13	568.00
14	559.00
15	550.00
16	540.00
17	529.00
18	526.00
19	525.00
20	514.00
21	504.00
22	502.00
23	496.00
24	496.00
25	487.00
26	480.00
27	414.00
28	411.00
29	408.00
30	399.00
31	395.00
32	392.00
33	381.00
34	380.00
35	347.00
36	267.00

T(YR)	KG	X
1.00	-3.9413	-3.44
2.00	-0.1643	514.34
3.00	0.2538	571.65
4.00	0.5214	608.34
5.00	0.7195	635.49
6.00	0.8770	657.09
7.00	1.0079	675.03
8.00	1.1198	690.37
9.00	1.2177	703.79
10.00	1.3046	715.70

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	715.70
20.00	1.8658	792.64
30.00	2.1887	836.90
40.00	2.4163	868.11
50.00	2.5923	892.23
60.00	2.7358	911.90
70.00	2.8569	928.51
80.00	2.9617	942.87
90.00	3.0541	955.54
100.00	3.1367	966.86

** X: RAINFALL(MM) **

XM = 536.8611
 STANDARD DEVIATION
 SG = 137.087

Savar (BWDB Sta.31): 1 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME :Savar (BWDB) - Daily

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 26

K	R(K)
1	246.00
2	97.00
3	165.00
4	173.00
5	122.00
6	142.00
7	163.00
8	93.00
9	82.00
10	98.00
11	114.00
12	133.00
13	136.00
14	235.00
15	162.00
16	126.00
17	165.00
18	187.00
19	114.00
20	165.00
21	146.00
22	184.00
23	107.00
24	107.00
25	99.00
26	102.00

SORTING RESULTS

K	R(K)
1	246.00
2	235.00
3	187.00
4	184.00
5	174.00
6	165.00
7	165.00
8	165.00
9	163.00
10	162.00
11	146.00
12	142.00
13	136.00
14	133.00
15	126.00
16	122.00
17	114.00
18	114.00
19	109.00
20	107.00
21	102.00
22	93.00
23	93.00
24	88.00
25	87.00
26	82.00

XM = 140.4231

STANDARD DEVIATION

SG = 42.53883

T(YR)	KG	X
1.00	-3.9413	-27.23
2.00	-0.1643	133.44
3.00	0.2538	151.22
4.00	0.5214	162.60
5.00	0.7195	171.03
6.00	0.8770	177.73
7.00	1.0079	183.30
8.00	1.1198	188.06
9.00	1.2177	192.22
10.00	1.3046	195.92

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	195.92
20.00	1.8658	219.79
30.00	2.1887	233.53
40.00	2.4163	243.21
50.00	2.5923	250.70
60.00	2.7359	256.80
70.00	2.8569	261.95
80.00	2.9617	266.41
90.00	3.0541	270.34
100.00	3.1367	273.85

** X: RAINFALL(MM) **

Savar (BWDB Sta. 31): 2 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Savar (BWDB)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 26

K	R(K)
1	297.00
2	110.00
3	196.00
4	184.00
5	167.00
6	161.00
7	197.00
8	117.00
9	118.00
10	139.00
11	145.00
12	133.00
13	136.00
14	371.00
15	250.00
16	150.00
17	199.00
18	268.00
19	160.00
20	208.00
21	249.00
22	261.00
23	159.00
24	164.00
25	168.00
26	155.00

SORTING RESULTS

K	R(K)
1	371.00
2	297.00
3	268.00
4	261.00
5	250.00
6	249.00
7	208.00
8	199.00
9	197.00
10	196.00
11	184.00
12	168.00
13	167.00
14	164.00
15	161.00
16	160.00
17	159.00
18	155.00
19	150.00
20	145.00
21	139.00
22	136.00
23	133.00
24	118.00
25	117.00
26	110.00

XM = 187

STANDARD DEVIATION

SG = 61.27743

T(YR)	KG	X
1.00	-3.9413	-54.51
2.00	-0.1643	176.93
3.00	0.2538	202.55
4.00	0.5214	218.95
5.00	0.7195	231.09
6.00	0.8770	240.74
7.00	1.0079	248.76
8.00	1.1198	255.62
9.00	1.2177	261.62
10.00	1.3046	266.94

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	266.94
20.00	1.8658	301.33
30.00	2.1887	321.12
40.00	2.4163	335.07
50.00	2.5923	345.85
60.00	2.7358	354.64
70.00	2.8569	362.06
80.00	2.9617	368.49
90.00	3.0541	374.15
100.00	3.1367	379.21

** X: RAINFALL(MM) **

Savar (BWDB Sta.31): 5 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME :Savar (BWDB) - 5 Day

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 26

SORTING RESULTS

K	R(K)
1	297.00
2	198.00
3	238.00
4	277.00
5	190.00
6	170.00
7	289.00
8	173.00
9	157.00
10	273.00
11	202.00
12	154.00
13	174.00
14	507.00
15	358.00
16	192.00
17	283.00
18	446.00
19	195.00
20	254.00
21	285.00
22	377.00
23	262.00
24	255.00
25	203.00
26	208.00

K	R(K)
1	507.00
2	446.00
3	377.00
4	358.00
5	297.00
6	289.00
7	285.00
8	283.00
9	277.00
10	273.00
11	262.00
12	255.00
13	254.00
14	238.00
15	208.00
16	203.00
17	202.00
18	192.00
19	190.00
20	188.00
21	185.00
22	174.00
23	173.00
24	170.00
25	157.00
26	154.00

T(YR)	KG	X
1.00	-3.9413	-89.19
2.00	-0.1643	239.47
3.00	0.2538	275.85
4.00	0.5214	299.14
5.00	0.7195	316.37
6.00	0.8770	330.38
7.00	1.0079	341.47
8.00	1.1198	351.21
9.00	1.2177	359.73
10.00	1.3046	367.29

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	367.29
20.00	1.8658	416.13
30.00	2.1387	444.22
40.00	2.4163	464.03
50.00	2.5923	479.34
60.00	2.7358	491.83
70.00	2.8569	502.37
80.00	2.9617	511.49
90.00	3.0541	519.53
100.00	3.1367	526.71

** X: RAINFALL(MM) **

XM = 253.7692

STANDARD DEVIATION

SG = 87.01694

Savar (BWDB Sta. 31): 1 month rainfall

** GUMBEL-SHOW'S METHOD **

STATION NAME :Savar (BWDB) -1 Month

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 22

K	R(K)
1	554.00
2	575.00
3	391.00
4	395.00
5	537.00
6	628.00
7	403.00
8	595.00
9	357.00
10	444.00
11	485.00
12	647.00
13	547.00
14	392.00
15	542.00
16	707.00
17	489.00
18	401.00
19	591.00
20	352.00
21	477.00
22	532.00

SORTING RESULTS

K	R(K)
1	707.00
2	647.00
3	528.00
4	595.00
5	537.00
6	575.00
7	554.00
8	547.00
9	542.00
10	537.00
11	532.00
12	489.00
13	485.00
14	477.00
15	444.00
16	403.00
17	401.00
18	395.00
19	392.00
20	391.00
21	357.00
22	352.00

XM = 501.8637

STANDARD DEVIATION

SG = 98.42454

T(YR)	KG	X
1.00	-3.9413	113.95
2.00	-0.1643	485.70
3.00	0.2538	526.84
4.00	0.5214	553.18
5.00	0.7195	572.68
6.00	0.8770	588.18
7.00	1.0079	601.06
8.00	1.1198	612.08
9.00	1.2177	621.71
10.00	1.3046	630.26

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	630.26
20.00	1.8658	685.51
30.00	2.1887	717.28
40.00	2.4163	739.69
50.00	2.5923	757.01
60.00	2.7358	771.13
70.00	2.8569	783.05
80.00	2.9617	793.37
90.00	3.0541	802.46
100.00	3.1367	810.59

** X: RAINFALL(MM) **

Joydebpur (BWDB Sta. 17): 1 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Joydebpur (BWDB) - Daily

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 29

K	P(K)
1	140.00
2	107.00
3	127.00
4	161.00
5	173.00
6	137.00
7	140.00
8	177.00
9	69.00
10	112.00
11	126.00
12	77.00
13	206.00
14	165.00
15	165.00
16	107.00
17	104.00
18	184.00
19	229.00
20	95.00
21	125.00
22	129.00
23	193.00
24	112.00
25	83.00
26	167.00
27	153.00
28	155.00
29	129.00

SORTING RESULTS

K	P(K)
1	229.00
2	206.00
3	193.00
4	184.00
5	177.00
6	173.00
7	167.00
8	165.00
9	165.00
10	161.00
11	155.00
12	153.00
13	140.00
14	140.00
15	137.00
16	129.00
17	129.00
18	127.00
19	126.00
20	125.00
21	112.00
22	112.00
23	107.00
24	107.00
25	104.00
26	95.00
27	83.00
28	77.00
29	69.00

XM = 139.5517

STANDARD DEVIATION

SG = 38.26188

T(YR)	KG	X
1.00	-3.9413	-11.25
2.00	-0.1543	133.27
3.00	0.2538	149.26
4.00	0.5214	159.50
5.00	0.7195	167.08
6.00	0.8770	173.11
7.00	1.0079	178.11
8.00	1.1198	182.40
9.00	1.2177	186.14
10.00	1.3046	189.47

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	189.47
20.00	1.8658	210.94
30.00	2.1987	223.30
40.00	2.4163	232.00
50.00	2.5323	238.74
60.00	2.7358	244.23
70.00	2.8569	248.86
80.00	2.9617	252.87
90.00	3.0541	256.41
100.00	3.1367	259.57

** X: RAINFALL(MM) **

24

Joydebpur (BWDB sta.17): 2 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME :Joydebpur (BWDB)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 29

K	R(K)
1	152.00
2	156.00
3	131.00
4	254.00
5	221.00
6	229.00
7	231.00
8	210.00
9	107.00
10	147.00
11	162.00
12	117.00
13	221.00
14	182.00
15	264.00
16	199.00
17	115.00
18	267.00
19	330.00
20	132.00
21	201.00
22	181.00
23	290.00
24	160.00
25	142.00
26	271.00
27	230.00
28	283.00
29	160.00

SORTING RESULTS

K	R(K)
1	330.00
2	290.00
3	283.00
4	271.00
5	267.00
6	264.00
7	254.00
8	231.00
9	230.00
10	229.00
11	221.00
12	221.00
13	210.00
14	201.00
15	199.00
16	182.00
17	181.00
18	162.00
19	160.00
20	160.00
21	156.00
22	152.00
23	147.00
24	142.00
25	132.00
26	131.00
27	117.00
28	115.00
29	107.00

T(YR)	KG	X
1.00	-3.9413	-33.22
2.00	-0.1643	188.46
3.00	0.2538	213.00
4.00	0.5214	228.71
5.00	0.7195	240.33
6.00	0.8770	249.58
7.00	1.0079	257.26
8.00	1.1198	263.83
9.00	1.2177	269.57
10.00	1.3046	274.67

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	274.67
20.00	1.8659	307.61
30.00	2.1887	326.57
40.00	2.4163	339.93
50.00	2.5923	350.25
60.00	2.7358	358.68
70.00	2.8569	365.78
80.00	2.9617	371.94
90.00	3.0541	377.36
100.00	3.1367	382.21

** X: RAINFALL(MM) **

XM = 198.1035

STANDARD DEVIATION

SG = 58.69345

Joydebpur (BWDB Sta. 17): 5 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Joydebpur (BWDB) - 5 Day

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 29

K	R(K)
1	283.00
2	223.00
3	144.00
4	295.00
5	307.00
6	279.00
7	326.00
8	263.00
9	192.00
10	254.00
11	300.00
12	163.00
13	269.00
14	209.00
15	475.00
16	368.00
17	189.00
18	288.00
19	500.00
20	215.00
21	309.00
22	209.00
23	363.00
24	315.00
25	302.00
26	331.00
27	406.00
28	413.00
29	178.00

SORTING RESULTS

K	R(K)
1	500.00
2	475.00
3	413.00
4	406.00
5	368.00
6	363.00
7	331.00
8	326.00
9	315.00
10	309.00
11	307.00
12	302.00
13	300.00
14	295.00
15	288.00
16	283.00
17	279.00
18	269.00
19	263.00
20	254.00
21	223.00
22	215.00
23	209.00
24	209.00
25	192.00
26	189.00
27	178.00
28	163.00
29	144.00

XM = 288.5517

STANDARD DEVIATION

SG = 86.7921

T(YR)	KG	X
1.00	-3.9413	-53.52
2.00	-0.1643	274.29
3.00	0.2538	310.58
4.00	0.5214	333.80
5.00	0.7195	351.00
6.00	0.8770	364.67
7.00	1.0079	376.03
8.00	1.1193	385.74
9.00	1.2177	394.24
10.00	1.3046	401.78

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	401.78
20.00	1.8558	450.49
30.00	2.1887	478.51
40.00	2.4163	498.27
50.00	2.5923	513.54
60.00	2.7358	525.99
70.00	2.8569	536.51
80.00	2.9517	545.61
90.00	3.0541	553.62
100.00	3.1367	560.79

** X: RAINFALL(MM) **

24

Joydebpur (BWDB Sta. 17): 1 month rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Joydebpur (BWDB) - 1 Month

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 28

K	R(K)
1	393.00
2	355.00
3	512.00
4	592.00
5	490.00
6	550.00
7	565.00
8	498.00
9	439.00
10	629.00
11	274.00
12	536.00
13	593.00
14	634.00
15	487.00
16	385.00
17	798.00
18	685.00
19	411.00
20	485.00
21	494.00
22	639.00
23	559.00
24	530.00
25	498.00
26	744.00
27	716.00
28	484.00

SORTING RESULTS

K	R(K)
1	788.00
2	744.00
3	716.00
4	685.00
5	639.00
6	634.00
7	629.00
8	593.00
9	592.00
10	565.00
11	559.00
12	550.00
13	536.00
14	530.00
15	512.00
16	498.00
17	498.00
18	494.00
19	490.00
20	487.00
21	485.00
22	484.00
23	439.00
24	411.00
25	393.00
26	385.00
27	355.00
28	274.00

XM = 534.4643
STANDARD DEVIATION
SG = 116.9388

T(YR)	KG	X
1.00	-3.9413	73.58
2.00	-3.1643	515.25
3.00	0.2538	564.14
4.00	0.5214	595.43
5.00	0.7195	618.60
6.00	0.8770	637.02
7.00	1.0079	652.32
8.00	1.1198	665.41
9.00	1.2177	676.86
10.00	1.3046	687.02

** X: WATER LEVEL(M.PWD) **

T(YR)	KG	X
10.00	1.3046	687.02
20.00	1.8658	752.65
30.00	2.1887	790.41
40.00	2.4163	817.03
50.00	2.5923	837.60
60.00	2.7358	854.38
70.00	2.8569	868.55
80.00	2.9617	880.80
90.00	3.0541	891.61
100.00	3.1367	901.27

** X: RAINFALL(MM) **

22 Narayanganj (B.M.D.) : 1 day rainfall

**** GUMBEL-CHOW'S METHOD ****

STATION NAME :Narayanganj (B.M.D.)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 25

SORTING RESULTS

K	R(K)
1	119.00
2	183.00
3	149.00
4	133.00
5	86.00
6	149.00
7	62.00
8	158.00
9	134.00
10	160.00
11	202.00
12	87.00
13	197.00
14	231.00
15	216.00
16	137.00
17	135.00
18	252.00
19	81.00
20	106.00
21	167.00
22	170.00
23	132.00
24	105.00
25	193.00

K	R(K)
1	252.00
2	231.00
3	216.00
4	202.00
5	197.00
6	193.00
7	183.00
8	170.00
9	167.00
10	160.00
11	158.00
12	149.00
13	149.00
14	137.00
15	135.00
16	134.00
17	133.00
18	132.00
19	119.00
20	106.00
21	105.00
22	87.00
23	86.00
24	81.00
25	62.00

XM = 149.76

STANDARD DEVIATION

SG = 47.65735

T(YR)	KG	X
1.00	-3.9413	-38.07
2.00	-0.1643	141.93
3.00	0.2538	161.86
4.00	0.5214	174.61
5.00	0.7195	184.05
6.00	0.8770	191.56
7.00	1.0079	197.79
8.00	1.1198	203.13
9.00	1.2177	207.79
10.00	1.3046	211.93

**** X: RAINFALL(MM) ****

T(YR)	KG	X
10.00	1.3046	211.93
20.00	1.8658	238.68
30.00	2.1887	254.07
40.00	2.4163	264.92
50.00	2.5923	273.30
60.00	2.7358	280.14
70.00	2.8569	285.91
80.00	2.9617	290.91
90.00	3.0541	295.31
100.00	3.1367	299.25

**** X: RAINFALL(MM) ****

Narayanganj (B.M.D.) : 2 day rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME : Narayanganj (B.M.D.)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 25

SORTING RESULTS

K	R(K)
1	143.00
2	233.00
3	165.00
4	172.00
5	124.00
6	178.00
7	97.00
8	166.00
9	171.00
10	238.00
11	202.00
12	130.00
13	307.00
14	266.00
15	302.00
16	207.00
17	263.00
18	255.00
19	132.00
20	188.00
21	183.00
22	204.00
23	246.00
24	194.00
25	228.00

K	R(K)
1	307.00
2	302.00
3	266.00
4	263.00
5	255.00
6	246.00
7	238.00
8	233.00
9	228.00
10	207.00
11	204.00
12	202.00
13	194.00
14	188.00
15	183.00
16	178.00
17	172.00
18	171.00
19	166.00
20	165.00
21	143.00
22	132.00
23	130.00
24	124.00
25	97.00

XM = 199.76
STANDARD DEVIATION
SG = 53.97057

T(YR)	KG	X
1.00	-3.9413	-12.95
2.00	-0.1643	190.89
3.00	0.2538	213.46
4.00	0.5214	227.90
5.00	0.7195	238.59
6.00	0.8770	247.03
7.00	1.0079	254.15
8.00	1.1198	260.20
9.00	1.2177	265.48
10.00	1.3046	270.17

** X: RAINFALL(MM) **

T(YR)	KG	X
10.00	1.3046	270.17
20.00	1.8658	300.46
30.00	2.1887	317.88
40.00	2.4163	330.17
50.00	2.5923	339.67
60.00	2.7358	347.41
70.00	2.8569	353.95
80.00	2.9617	359.61
90.00	3.0541	364.59
100.00	3.1367	369.05

** X: RAINFALL(MM) **

Narayanganj (B.M.D.) : 5 day rainfall

**** GUMBEL-CHOW'S METHOD ****

STATION NAME :Narayanganj (B.M.D.)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 25

K	R(K)
1	224.00
2	295.00
3	198.00
4	183.00
5	182.00
6	259.00
7	191.00
8	166.00
9	299.00
10	257.00
11	264.00
12	160.00
13	350.00
14	299.00
15	343.00
16	292.00
17	343.00
18	297.00
19	163.00
20	331.00
21	215.00
22	252.00
23	429.00
24	318.00
25	308.00

SORTING RESULTS

K	R(K)
1	429.00
2	350.00
3	343.00
4	343.00
5	331.00
6	318.00
7	308.00
8	299.00
9	299.00
10	297.00
11	295.00
12	292.00
13	264.00
14	259.00
15	257.00
16	252.00
17	224.00
18	215.00
19	198.00
20	191.00
21	183.00
22	182.00
23	166.00
24	163.00
25	160.00

XM = 264.68
STANDARD DEVIATION
SG = 69.12523

T(YR)	KG	X
1.00	-3.9413	-7.76
2.00	-0.1643	253.32
3.00	0.2538	282.22
4.00	0.5214	300.72
5.00	0.7195	314.41
6.00	0.8770	325.30
7.00	1.0079	334.35
8.00	1.1198	342.09
9.00	1.2177	348.85
10.00	1.3046	354.86

**** X: RAINFALL(MM) ****

T(YR)	KG	X
10.00	1.3046	354.86
20.00	1.8658	393.65
30.00	2.1887	415.97
40.00	2.4163	431.71
50.00	2.5923	443.87
60.00	2.7358	453.79
70.00	2.8569	462.16
80.00	2.9617	469.41
90.00	3.0541	475.80
100.00	3.1367	481.50

**** X: RAINFALL(MM) ****

Narayanganj (B.M.D.) : 1 month rainfall

** GUMBEL-CHOW'S METHOD **

STATION NAME :Narayanganj (B.M.D.)

N = NUMBER OF DATA

R=RAINFALL(MM)

TS = 1 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 27

SORTING RESULTS

K	R(K)
1	414.00
2	711.00
3	484.00
4	438.00
5	552.00
6	340.00
7	387.00
8	415.00
9	374.00
10	605.00
11	533.00
12	489.00
13	298.00
14	418.00
15	451.00
16	479.00
17	525.00
18	502.00
19	428.00
20	285.00
21	644.00
22	356.00
23	521.00
24	634.00
25	627.00
26	542.00
27	539.00

K	R(K)
1	711.00
2	644.00
3	634.00
4	627.00
5	605.00
6	552.00
7	542.00
8	539.00
9	533.00
10	525.00
11	521.00
12	502.00
13	489.00
14	484.00
15	479.00
16	451.00
17	438.00
18	428.00
19	418.00
20	415.00
21	414.00
22	387.00
23	374.00
24	356.00
25	340.00
26	298.00
27	285.00

XM = 481.1482
STANDARD DEVIATION
SG = 106.2006

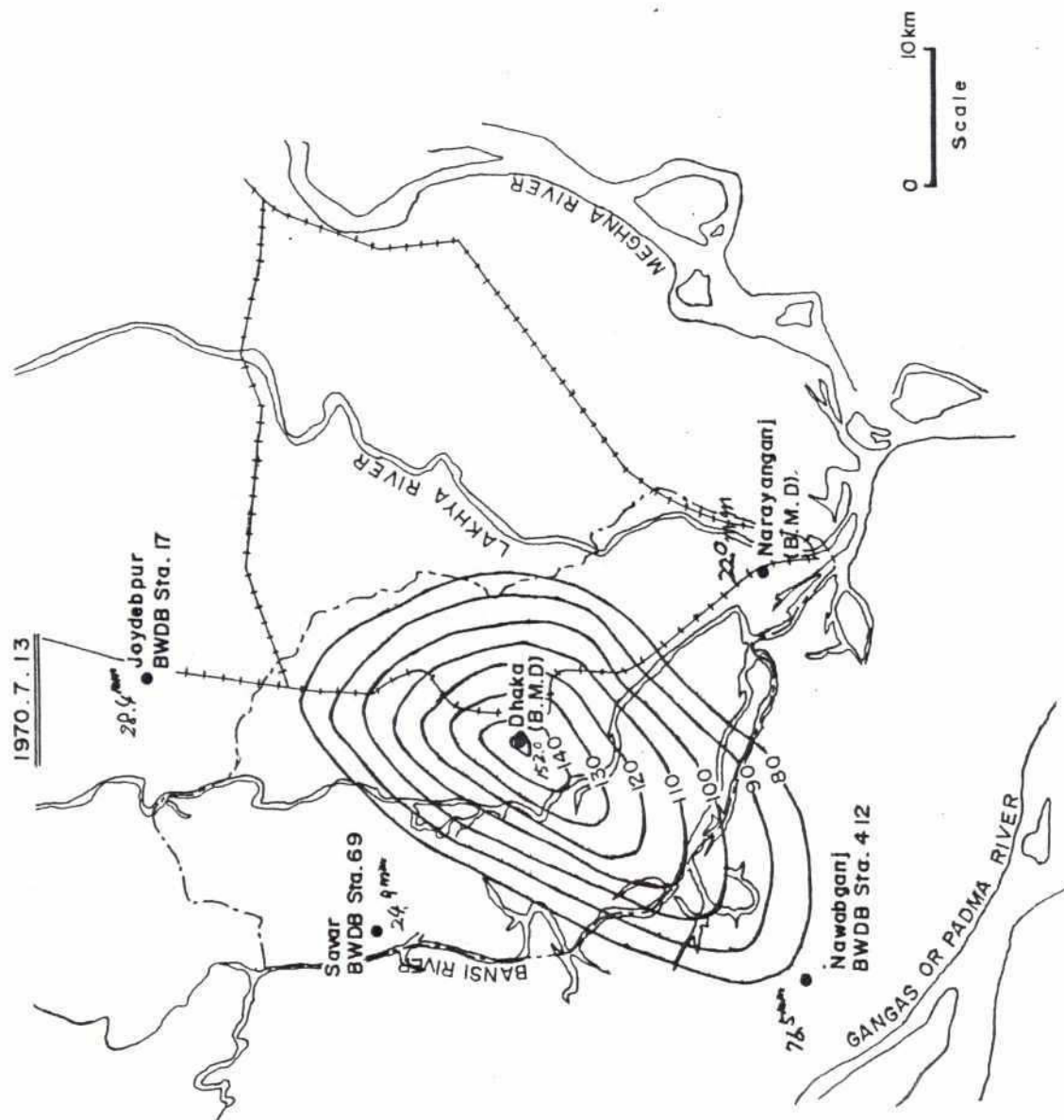
T(YR)	KG	X
1.00	-3.9413	62.58
2.00	-0.1643	463.70
3.00	0.2538	508.10
4.00	0.5214	536.52
5.00	0.7195	557.56
6.00	0.8770	574.23
7.00	1.0079	588.19
8.00	1.1198	600.07
9.00	1.2177	610.45
10.00	1.3046	619.63

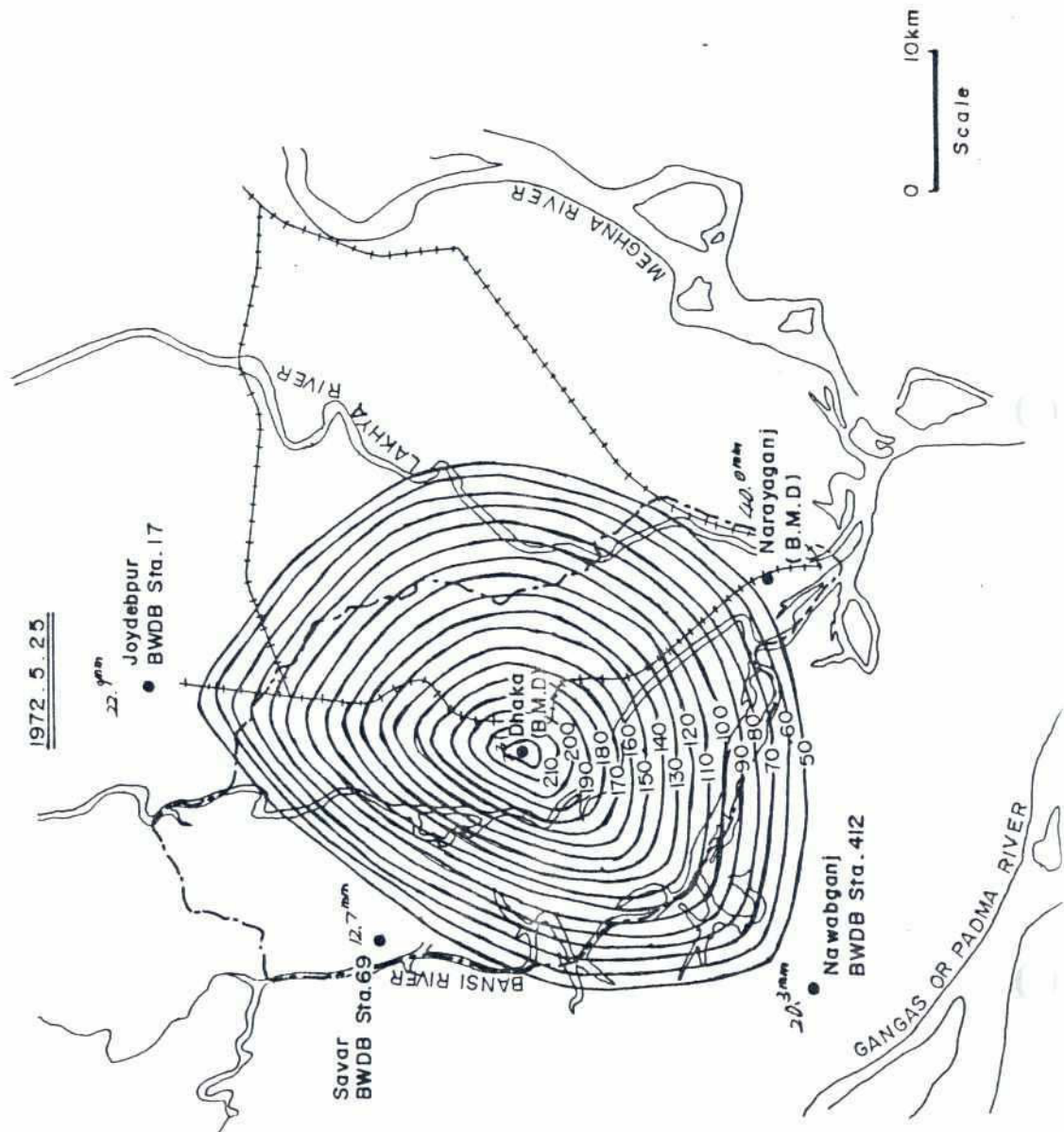
** X: RAINFALL(MM) **

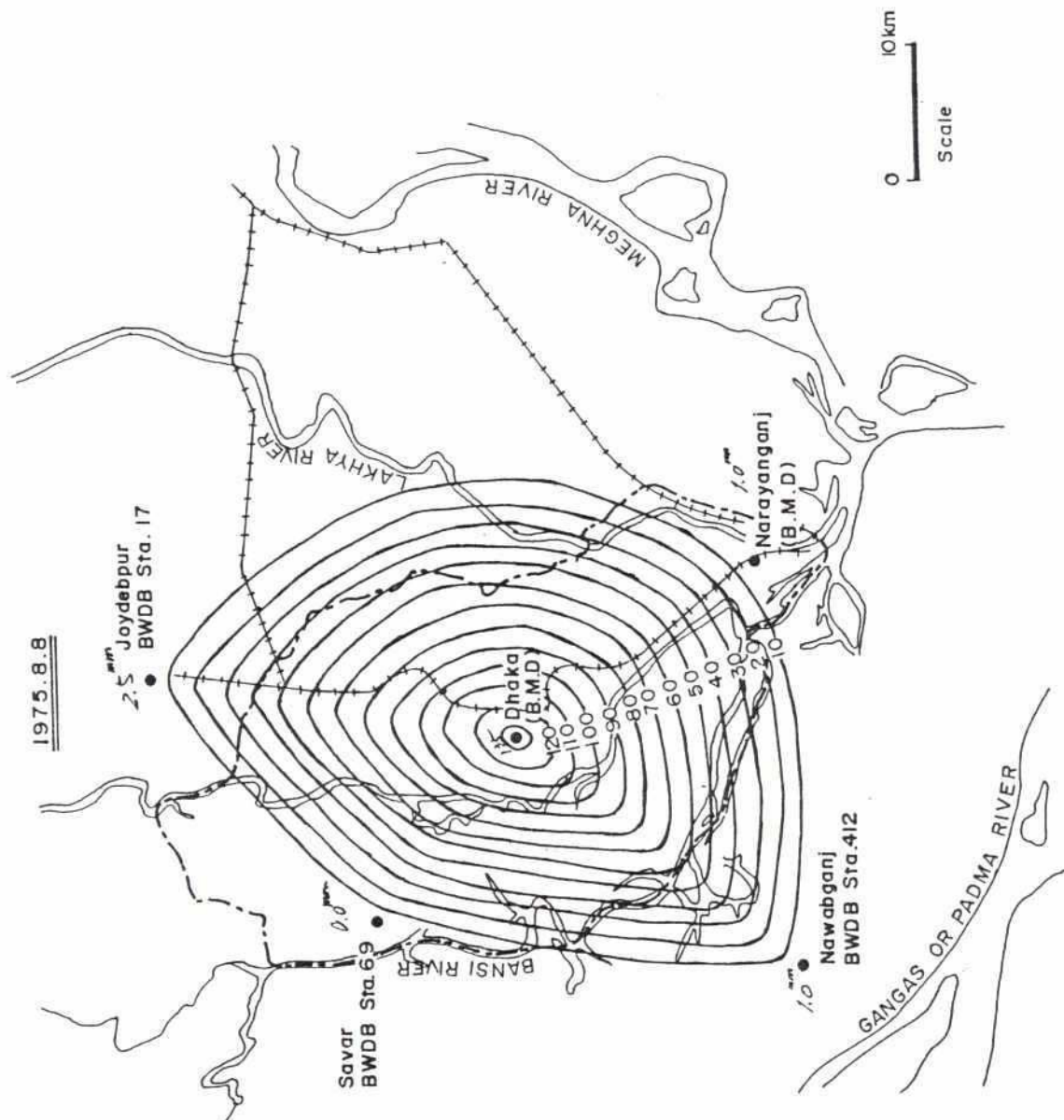
T(YR)	KG	X
10.00	1.3046	619.69
20.00	1.8658	679.30
30.00	2.1887	713.59
40.00	2.4163	737.76
50.00	2.5923	756.45
60.00	2.7358	771.69
70.00	2.8569	784.55
80.00	2.9617	795.68
90.00	3.0541	805.50
100.00	3.1367	814.27

** X: RAINFALL(MM) **

3. Isohyetal Maps of Areal Reduction of Dhaka (B.M.D.)







4. Monthly Water Level in and around the Study Area

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MONTHLY MAXIMUM WATER LEVEL												
STATION : NO.7.5 DEMRA (BWDB)												
RIVER : BALU												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
1	1962	-	-	-	2.44	3.32	4.33	5.30	6.22	6.28	5.33	-
2	1963	-	-	-	2.38	2.77	4.75	5.64	5.73	5.91	4.65	-
3	1964	2.16	1.89	2.13	2.47	3.14	4.48	5.81	6.39	5.64	5.29	-
4	1965	1.62	1.47	1.40	1.98	2.86	4.20	4.84	5.80	5.75	4.88	-
5	1966	2.07	1.43	1.46	1.88	2.55	4.61	5.30	5.97	6.23	5.07	-
6	1967	1.81	1.53	1.62	1.93	2.75	3.90	5.42	5.26	4.88	4.82	-
7	1968	1.62	1.47	1.65	2.53	2.96	4.68	6.02	6.07	5.33	5.01	-
8	1969	1.80	1.86	2.09	-	-	-	-	-	-	4.94	-
9	1970	2.07	1.92	2.21	2.39	3.49	4.69	5.90	6.23	5.53	5.49	-
10	1971	-	-	-	2.41	2.73	4.56	5.46	6.02	6.02	5.14	-
11	1972	2.26	1.95	2.16	2.53	3.20	4.60	4.91	5.93	4.63	4.13	-
12	1973	1.84	1.89	1.83	2.48	3.37	5.36	5.49	5.87	5.52	5.29	-
13	1974	2.24	1.84	2.13	2.51	3.41	4.57	6.13	6.57	5.90	5.49	-
14	1975	2.18	2.04	2.03	2.65	3.04	3.88	5.27	5.59	5.18	4.95	-
15	1976	2.10	1.88	2.19	2.50	2.85	4.30	5.46	5.35	5.35	4.48	-
16	1977	2.06	1.95	2.01	2.73	3.82	5.01	5.53	5.84	5.91	4.74	-
17	1978	2.06	2.01	1.97	-	-	-	-	-	-	-	-
18	1979	-	-	-	2.33	3.06	3.78	5.27	5.58	5.30	4.69	-
19	1980	1.98	2.10	2.27	-	-	-	-	-	-	-	-
20	1981	-	-	-	-	-	-	-	-	-	-	-
21	1982	-	-	-	2.58	2.77	4.57	4.98	5.49	5.99	4.80	-
22	1983	2.02	1.85	2.14	2.79	3.23	4.17	4.96	5.66	5.89	5.74	-
23	1984	2.30	1.81	2.07	2.90	3.85	5.09	5.95	6.26	6.32	6.06	-
24	1985	2.08	2.25	2.58	2.82	3.31	4.39	5.42	5.69	5.23	4.81	-
25	1986	2.02	1.90	2.17	2.89	2.99	3.98	4.97	5.24	5.19	5.06	-
26	1987	2.03	1.91	2.04	2.58	2.68	4.00	5.68	6.45	6.08	5.77	-
27	1988	2.13	2.17	2.31	2.84	4.23	4.66	5.95	6.68	7.09	4.97	-
28	1989	2.08	2.24	2.27	2.52	3.49	4.45	5.43	5.35	5.05	4.96	-
29	1990	2.00	2.07	2.28	-	-	-	-	-	-	-	-
AVER(1)		2.02	1.89	2.04	2.50	3.16	4.46	5.46	5.88	5.69	5.06	3.37
AVER(1)		2.02	1.89	2.04	2.50	3.16	4.46	5.46	5.88	5.69	5.06	3.37
Notes:												
1) AVER(1) is average of all data.												
2) Above data are necessary to be revised by using following equation to get the correct elevation.												
Y=X + 0.007												
where, X : raw data Y : revised data												
(Unit : PWD in m)												
DEC.												
AVER.												

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.14.5 NAYARHAT (BWDB)														
RIVER : BANGSHI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
														(Unit : PWD in m)
1	1964				3.05	3.93	5.78	7.35	8.16	7.01	6.83	4.91	2.82	-
2	1965	2.09	1.92	1.83	2.53	3.66	5.52	6.26	7.62	7.44	6.51	3.73	2.49	4.30
3	1966	2.14	1.90	1.93	2.37	3.11	5.98	6.66	7.60	8.00	6.52	3.84	2.55	4.38
4	1967	2.03	1.83	2.03	2.29	3.37	5.42	7.07	6.97	6.44	6.42	4.13	2.59	4.22
5	1968	2.15	2.03	2.18	2.82	3.86	6.31	7.80	8.03	6.85	6.84	4.53	2.62	4.67
6	1969	2.00	1.87	2.16	2.59	4.18	6.04	7.39	7.51	7.55	6.49	3.60	2.55	4.49
7	1970	2.10	1.84	2.33	2.74	4.73	6.02	8.29	8.69	6.98	7.48	4.73	2.72	4.89
8	1971	2.25	2.08	-	-	-	-	-	-	-	-	-	-	-
9	1972	-	-	-	2.58	4.20	5.84	6.23	6.97	6.21	5.71	3.50	2.20	-
10	1973	1.88	1.74	1.79	2.78	4.21	6.80	6.94	7.70	7.06	6.74	4.44	2.97	4.59
11	1974	2.24	1.83	2.04	2.58	3.78	5.78	7.50	8.44	7.90	6.89	4.31	2.74	4.67
12	1975	2.12	1.95	1.87	2.59	3.46	-	-	-	-	5.98	4.21	2.74	-
13	1976	2.18	1.83	1.98	2.30	3.05	5.48	6.44	6.41	6.41	5.56	3.16	2.45	3.94
14	1977	1.97	1.78	1.87	2.85	4.17	5.97	6.60	7.07	7.15	5.91	3.86	2.50	4.31
15	1978	2.08	1.78	1.76	2.28	4.20	5.87	6.26	6.48	6.07	5.77	3.22	2.52	4.02
16	1979	2.03	1.84	1.99	2.10	3.23	3.94	6.11	6.46	6.25	5.88	3.92	2.53	3.86
17	1980	1.98	1.77	1.95	2.54	3.63	5.33	6.66	8.58	8.23	6.19	4.45	2.45	4.48
18	1981	2.08	1.75	1.94	2.98	3.47	4.23	6.45	6.74	6.66	5.82	3.05	-	-
19	1982	2.71	1.99	1.71	2.72	3.35	5.49	5.91	6.34	6.23	5.60	2.89	2.30	3.94
20	1983	1.99	1.84	2.27	2.88	3.82	5.07	5.90	6.56	7.23	7.15	4.81	2.65	4.35
21	1984	2.19	1.86	2.02	2.74	4.66	6.04	7.33	7.81	8.12	7.70	4.32	2.32	4.76
22	1985	1.92	1.84	2.55	2.56	3.32	5.31	6.74	7.04	6.43	6.03	4.35	2.59	4.22
23	1986	2.20	1.79	2.00	2.78	2.95	4.94	5.96	6.33	6.77	6.73	4.77	2.77	4.17
24	1987	2.09	1.92	1.85	2.67	2.68	4.82	6.74	8.74	7.75	7.27	4.32	2.57	4.45
25	1988	2.14	1.90	2.10	2.63	4.72	5.39	7.18	9.25	9.90	6.06	4.12	3.53	4.91
26	1989	2.05	2.01	1.94	2.37	3.89	5.14	6.21	6.10	6.09	6.04	4.42	2.49	4.06
27	1990	1.93	1.90	2.29	-	-	-	-	-	-	-	-	-	-
	AVER(1)	2.10	1.87	2.02	2.61	3.75	5.52	6.75	7.40	7.11	6.40	4.06	2.61	4.37
Notes:		1) AVER(1) is average of all the data.												

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.42 MILL BARAK (BWDB)														
RIVER : BURIGANGA														
NO	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	AVER
(Unit : PWD in m)														
1	1945	-	-	-	2.44	2.90	-	5.10	6.04	5.88	5.22	-	2.29	-
2	1946	1.80	1.74	1.89	2.19	3.54	4.48	5.99	6.00	5.20	4.74	-	2.68	-
3	1947	1.98	1.86	2.04	2.74	2.71	4.18	5.49	5.64	5.13	4.72	-	2.53	-
4	1948	1.98	1.95	2.07	2.59	3.60	-	5.81	6.30	5.38	5.12	-	2.68	-
5	1949	1.92	1.71	2.10	3.17	3.41	-	5.63	6.00	6.00	5.18	3.49	1.91	-
6	1950	1.80	1.86	1.83	2.35	2.87	-	4.99	5.71	5.76	4.62	3.02	1.89	-
7	1951	1.52	1.43	1.89	1.98	2.24	4.01	5.94	-	-	-	-	1.98	-
8	1952	-	2.04	-	2.19	2.87	3.59	5.39	4.85	5.49	5.00	3.66	2.44	-
9	1953	2.04	2.04	2.44	2.50	3.02	3.75	5.49	5.70	5.70	5.39	3.05	2.70	3.10
10	1954	1.77	1.89	1.92	2.19	2.99	5.06	6.10	6.98	7.06	5.06	3.63	2.19	3.90
11	1955	1.92	1.98	2.32	2.35	3.11	4.54	-	7.09	6.14	4.92	3.23	2.47	-
12	1956	1.89	1.62	1.80	1.98	3.75	5.61	5.68	5.30	5.52	4.65	3.32	2.32	3.62
13	1957	1.52	1.40	1.43	1.83	2.74	3.66	4.56	5.36	4.72	3.60	2.23	1.74	2.90
14	1958	1.52	1.58	1.68	2.01	3.11	3.63	4.19	6.39	6.45	4.94	3.47	2.44	3.45
15	1959	-	-	-	2.53	3.20	4.94	5.00	5.78	5.27	4.91	3.72	2.50	-
16	1960	1.83	1.71	1.71	1.92	2.87	3.58	5.49	5.49	6.10	5.70	3.14	2.26	3.48
17	1961	1.98	1.66	2.47	2.19	3.20	3.93	4.54	5.49	5.52	-	-	-	-
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	2.45	2.91	4.74	6.25	6.34	5.43	5.14	3.09	2.09	-
25	1969	1.76	1.86	1.96	2.29	2.82	4.28	5.68	5.93	5.93	4.95	2.80	2.32	3.55
26	1970	1.98	1.86	2.12	2.32	3.32	4.57	6.17	6.51	5.51	5.52	3.78	2.47	3.84
27	1971	2.07	2.07	1.89	2.53	2.53	4.33	5.46	6.23	6.20	5.14	4.01	2.41	3.70
28	1972	2.12	1.83	2.07	2.47	3.11	4.47	4.77	5.30	4.79	4.02	2.50	2.06	3.29
29	1973	1.77	1.77	1.71	2.39	3.11	5.17	5.27	5.88	5.38	5.11	3.35	2.80	3.64
30	1974	2.18	1.80	2.13	2.45	3.35	4.39	5.96	6.61	5.94	5.32	3.47	2.62	3.85
31	1975	2.07	2.00	1.98	2.58	2.93	3.78	5.09	5.43	5.01	4.53	3.63	2.61	3.47
32	1976	2.04	1.94	2.16	2.47	2.77	3.98	5.15	5.17	5.15	4.27	2.48	2.24	3.32
33	1977	1.92	1.83	-	2.58	3.61	4.50	5.21	5.58	5.64	4.37	2.97	2.48	-
34	1978	1.95	1.89	1.89	2.16	3.41	4.47	4.83	5.26	4.77	4.54	2.85	2.41	3.37
35	1979	2.00	1.80	2.09	2.13	2.76	3.51	4.91	5.29	4.89	4.34	2.99	2.35	3.26
36	1980	1.86	-	-	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	2.53	2.81	3.40	5.11	5.46	5.29	4.45	2.82	2.85	-
38	1982	2.01	1.73	1.94	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	2.63	3.02	3.98	4.74	5.32	5.77	5.52	3.69	2.44	-
40	1984	2.26	2.01	2.19	2.69	3.77	4.62	5.69	5.91	6.04	5.62	2.96	2.10	3.82
41	1985	1.85	1.90	2.25	2.42	3.07	4.11	5.12	5.41	5.01	4.63	3.50	2.37	3.47
42	1986	1.92	1.69	1.95	2.54	2.74	3.72	4.68	5.00	4.98	4.77	3.67	2.42	3.34
43	1987	1.92	1.78	1.92	2.42	2.42	3.79	5.36	6.64	5.93	5.59	3.26	2.36	3.62
44	1988	1.98	1.99	2.16	2.66	3.94	4.23	5.73	7.03	7.58	4.63	3.35	2.59	3.99
45	1989	1.90	2.04	2.08	2.21	3.39	4.15	5.10	4.95	4.72	4.67	3.26	2.17	3.39
46	1990	1.87	1.93	2.26	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.91	1.83	2.01	2.37	3.08	4.22	5.32	5.82	5.59	4.88	3.24	2.35	3.54
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X - 0.037$														
where, X : Above raw data Y : revised data														

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.43 HARIHARPARA (BWDB)														
RIVER : BURIGANGA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
														(Unit : PWD in m)
1	1945													
2	1946	1.68	1.77	1.49	2.13	2.80	4.19	5.28	5.18	5.12	4.57	3.61	1.95	
3	1947	1.80	1.43	1.80	2.62	2.13	-	4.89	-	4.83	4.67	3.63	2.62	3.38
4	1948	-	-	-	-	-	-	-	-	-	-	-	-	-
5	1949	-	-	-	3.20	3.79	4.82	5.53	5.94	5.79	-	-	-	-
6	1950	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1951	-	-	-	-	-	-	-	-	-	-	-	-	-
8	1952	-	-	-	-	-	-	-	-	-	-	-	-	-
9	1953	-	-	-	2.29	2.90	3.41	5.00	5.24	5.12	4.71	2.74	1.43	-
10	1954	1.07	1.22	1.37	1.83	2.77	4.57	5.49	6.16	6.22	4.54	3.05	1.89	3.35
11	1955	1.52	1.46	1.92	2.07	2.74	4.11	5.41	6.40	5.61	4.59	3.05	2.01	3.41
12	1956	1.16	1.83	1.86	2.16	3.08	4.79	4.82	4.59	4.79	3.81	3.20	2.19	3.19
13	1957	1.65	1.40	1.37	1.89	2.65	3.66	4.36	5.06	4.51	3.51	2.29	1.55	2.82
14	1958	1.52	1.52	1.52	1.77	2.99	3.54	3.91	5.72	5.73	-	-	-	-
15	1959	-	-	-	2.23	2.87	4.69	4.68	5.33	4.85	4.47	3.47	2.32	-
16	1960	1.65	1.65	1.66	1.74	2.74	3.35	5.15	5.15	5.53	5.30	2.96	2.07	3.25
17	1961	1.74	1.52	2.32	2.07	2.87	3.72	4.24	5.11	5.12	-	-	-	-
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	2.27	2.65	4.39	5.82	5.85	5.06	4.75	2.83	1.82	-
25	1969	1.59	1.66	1.72	2.33	2.81	4.11	5.37	5.63	5.63	4.68	2.93	1.89	3.36
26	1970	1.78	1.68	1.81	2.13	3.14	4.37	5.72	6.04	5.24	5.21	3.52	2.23	3.57
27	1971	1.92	1.76	2.00	2.09	2.58	4.23	5.14	5.85	5.81	4.85	3.79	2.19	3.52
28	1972	1.69	1.69	1.89	2.26	2.88	4.24	4.57	5.01	4.56	3.75	2.37	1.93	3.07
29	1973	1.68	1.71	1.58	2.23	3.03	4.88	5.00	5.55	5.11	4.85	3.32	2.80	3.48
30	1974	2.01	1.68	1.89	2.16	2.93	4.19	5.64	6.34	5.55	4.98	3.23	2.48	3.59
31	1975	1.86	1.72	1.75	2.50	2.73	3.61	4.88	5.23	5.06	4.36	3.54	2.42	3.31
32	1976	1.80	1.65	1.89	2.16	2.53	3.72	4.92	4.98	4.91	3.87	2.42	2.07	3.08
33	1977	1.77	1.74	1.80	2.38	3.31	4.27	5.01	5.34	5.39	4.23	2.89	2.34	3.37
34	1978	1.79	1.62	1.80	2.11	3.60	4.19	4.59	5.05	4.59	4.24	2.81	2.33	3.23
35	1979	1.79	1.72	1.72	1.96	2.27	3.25	4.77	5.08	4.69	4.19	2.79	2.29	3.04
36	1980	1.72	1.48	1.62	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	2.58	2.88	3.75	4.45	4.93	5.43	5.19	3.36	2.52	-
40	1984	1.81	1.71	1.92	2.51	3.49	4.45	5.49	5.65	5.72	5.29	2.62	1.97	3.55
41	1985	1.67	1.88	2.02	2.19	2.61	3.95	4.89	5.12	4.74	4.39	3.25	2.31	3.25
42	1986	1.93	1.57	1.78	2.49	2.55	3.37	4.61	4.82	4.65	4.43	3.53	2.36	3.17
43	1987	1.73	1.55	1.56	2.15	2.29	3.56	5.11	6.23	5.57	5.30	3.12	2.20	3.36
44	1988	1.83	1.85	1.93	2.23	3.70	3.93	5.33	6.42	7.17	4.47	3.18	2.36	3.70
45	1989	1.58	1.64	1.70	2.02	2.96	3.96	4.78	4.63	4.40	4.32	3.03	1.82	3.07
46	1990	1.85	1.90	1.98	-	-	-	-	-	-	-	-	-	-
AVER(11)		1.70	1.64	1.77	2.22	2.88	4.04	5.00	5.45	5.24	4.55	3.09	2.16	3.31

Notes: 1) AVER(11) is average of all the data.

Notes: 1) AVER(11) is average of all the data.

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.69 SAVAR (BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1945				2.53	3.17	5.29	6.57	7.41	7.10	-	4.60	-	-
2	1946	2.07	1.92	2.04	2.50	4.18	5.55	6.88	6.84	6.22	5.73	4.66	2.88	4.27
3	1947	1.98	1.77	1.89	2.80	2.99	5.10	6.45	6.98	6.34	5.73	4.57	2.80	4.12
4	1948	1.98	1.92	2.07	2.87	4.53	-	7.13	7.20	6.54	6.16	-	-	-
5	1949	2.13	1.74	2.07	3.05	3.99	5.95	6.76	7.23	7.22	6.17	4.39	2.32	4.42
6	1950	1.86	1.83	1.83	2.41	3.29	5.79	-	6.99	7.04	5.59	3.93	2.77	-
7	1951	2.07	2.10	2.07	2.71	3.29	5.85	7.35	7.18	6.97	6.30	3.55	2.62	4.34
8	1952	-	-	-	2.16	3.47	4.74	7.10	6.57	7.10	6.81	4.88	2.68	-
9	1953	1.80	1.83	2.26	2.99	3.87	4.82	6.79	7.06	6.92	6.54	3.60	2.26	4.23
10	1954	1.74	1.80	1.86	2.53	4.02	6.37	7.48	8.12	8.17	6.18	4.34	2.65	4.61
11	1955	1.98	1.92	2.33	2.67	3.61	5.70	7.41	8.26	6.84	5.72	3.79	2.87	4.43
12	1956	2.04	1.77	2.06	2.38	5.04	6.83	6.83	6.58	6.77	5.81	4.01	2.53	4.39
13	1957	2.13	2.01	1.98	2.44	3.90	5.20	6.12	7.20	6.22	4.93	2.85	2.07	3.92
14	1958	1.89	1.94	1.74	2.23	3.84	4.75	5.28	7.85	7.93	-	-	-	-
15	1959	1.91	1.95	2.38	2.83	4.11	6.31	6.36	7.12	6.52	6.08	4.54	2.56	4.39
16	1960	2.07	2.10	2.10	2.38	3.19	4.89	7.06	7.03	7.57	7.10	3.81	2.62	4.33
17	1961	2.19	1.83	2.80	2.47	4.42	5.46	6.49	7.26	7.30	6.23	4.80	2.50	4.48
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	2.83	3.95	6.22	7.55	7.69	6.70	6.66	4.57	2.80	-
25	1969	2.32	2.19	2.15	2.62	4.05	5.81	6.98	7.06	7.08	6.17	3.54	2.51	4.37
26	1970	2.10	1.86	2.32	2.71	4.66	5.84	7.45	7.99	6.66	6.91	4.64	2.74	4.66
27	1971	2.29	2.06	2.13	2.41	3.02	5.76	6.71	7.35	7.35	6.17	5.00	2.72	4.42
28	1972	2.28	1.89	1.95	2.57	2.76	5.69	6.03	6.66	5.99	6.34	5.98	2.16	-
29	1973	1.91	1.65	1.74	2.76	4.14	6.57	6.64	7.21	6.88	6.42	4.18	2.73	4.40
30	1974	2.26	1.80	1.98	2.61	3.78	5.63	7.07	7.80	7.36	6.65	4.30	2.80	4.50
31	1975	2.09	1.95	1.63	2.77	3.45	-	-	-	-	-	-	2.69	-
32	1976	2.22	1.96	1.91	2.26	3.11	5.41	6.31	6.24	6.24	5.44	3.17	2.40	3.89
33	1977	1.83	1.58	1.80	-	4.04	5.78	6.39	6.83	6.88	5.75	3.82	2.50	-
34	1978	2.04	1.73	1.69	2.21	4.08	5.68	6.06	6.29	5.82	5.55	3.22	2.70	3.92
35	1979	2.48	2.00	1.89	-	-	-	-	-	-	-	-	-	-
36	1980	-	-	-	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	3.04	4.05	5.27	6.04	6.66	6.96	6.85	4.77	2.55	-
40	1984	2.14	1.85	2.09	2.75	4.61	5.87	6.94	7.33	7.58	7.24	4.28	2.25	4.58
41	1985	1.84	1.78	2.43	2.75	3.40	5.24	6.44	6.70	6.18	5.79	4.28	2.49	4.11
42	1986	1.96	1.68	1.90	2.69	2.99	4.99	6.03	6.33	6.69	6.63	4.88	2.85	4.14
43	1987	2.03	1.82	1.79	2.84	2.76	4.96	6.68	8.30	7.34	6.99	4.25	2.51	4.36
44	1988	2.26	1.90	2.01	2.65	4.73	5.34	6.96	8.98	9.68	6.04	4.77	3.36	4.87
45	1989	2.31	2.05	2.30	2.68	3.80	5.45	6.34	6.22	6.17	6.13	4.58	2.48	4.21
46	1990	2.12	1.90	2.30	-	-	-	-	-	-	-	-	-	-
AVER(1)		2.07	1.88	2.05	2.62	3.81	5.58	6.69	7.41	7.16	6.21	4.26	2.60	4.33

Notes: 1) AVER(1) is average of all the data.

MONTHLY MAXIMUM WATER LEVEL													
		STATION : NO. 70 KALATIA(BWDB)											
		RIVER : DHALESWARI											
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
													(Unit : PWD in m)
													AVER.
1	1968				2.43	3.48	5.43	6.75	6.84	5.90	5.84	3.78	2.35
2	1969	1.76	1.73	1.91	2.34	3.50	5.13	6.27	6.43	6.46	5.48	3.07	2.26
3	1970	1.87	1.86	2.09	2.52	3.98	5.28	6.86	7.10	6.02	6.10	4.21	2.90
4	1971	1.93	1.87	1.74	2.11	2.82	5.16	6.11	6.81	6.76	5.65	4.46	3.69
5	1972	2.07	1.71	1.98	2.53	3.69	5.09	5.61	6.07	5.39	4.80	2.77	2.00
6	1973	1.65	1.65	1.62	2.51	3.72	5.94	6.00	6.55	6.10	5.75	3.95	2.77
7	1974	2.07	1.62	1.98	2.47	3.75	5.15	6.39	7.12	6.55	6.01	4.09	2.84
8	1975	2.84	2.89	1.49	-	-	-	-	-	-	5.25	3.76	2.64
9	1976	1.96	1.77	2.05	2.51	3.18	4.24	5.74	5.98	5.61	-	-	-
10	1977	-	-	-	2.69	3.70	5.14	5.89	6.25	6.34	5.15	3.49	2.32
11	1978	1.77	1.68	1.68	-	3.73	5.13	5.46	5.83	5.46	5.12	2.93	2.33
12	1979	1.85	1.63	1.91	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	2.36	3.31	4.82	6.05	7.21	6.83	5.32	3.83	2.04
14	1981	-	-	-	-	-	-	-	-	-	-	-	-
15	1982	-	-	-	-	-	-	-	-	-	-	-	-
16	1983	-	-	-	2.70	3.53	4.58	5.37	5.75	6.38	6.25	4.23	2.28
17	1984	1.90	1.66	1.97	2.75	4.37	5.30	6.59	6.94	7.11	6.77	4.22	2.20
18	1985	1.85	1.74	2.20	2.66	3.25	4.79	5.95	6.18	5.84	5.45	4.08	2.35
19	1986	1.82	1.58	1.82	2.80	2.82	4.70	5.75	6.10	6.20	6.06	4.36	2.58
20	1987	1.80	1.75	1.85	2.68	2.90	4.76	6.15	7.53	6.69	6.39	3.99	2.47
21	1988	1.98	1.93	1.96	2.42	4.28	4.76	6.36	7.85	8.91	5.80	4.23	3.12
22	1989	1.92	2.05	2.08	2.47	3.50	4.93	5.92	5.78	5.72	5.63	4.15	2.40
23	1990	1.96	1.80	2.10	-	-	-	-	-	-	-	-	-
AVER(1)		1.94	1.82	1.91	2.53	3.53	5.02	6.07	6.57	6.35	5.72	3.87	2.53
AVER													4.04
Notes: 1) AVER(1) is average of all the data.													

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.71 KALAGACHIA(BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	AVER
1	1977	-	-	-	-	3.56	4.32	5.02	5.31	5.34	4.13	2.91	2.42	(Unit : PWD in m)
2	1978	1.92	1.83	1.80	2.13	3.47	4.36	4.65	5.03	4.65	4.48	2.83	2.38	
3	1979	2.03	1.98	2.13	2.73	3.09	4.13	5.01	-	-	-	-	-	
4	1980	-	-	-	-	-	-	-	-	-	-	-	-	
5	1981	-	-	-	-	-	-	-	-	-	-	-	-	
6	1982	-	-	-	-	-	-	-	-	-	-	-	-	
7	1983	-	-	-	2.70	2.95	4.12	4.54	5.03	5.44	5.04	3.85	2.98	
8	1984	2.02	1.87	2.29	2.64	3.84	4.55	5.91	5.58	5.43	4.86	2.99	2.03	
9	1985	1.85	1.93	2.19	2.35	2.72	4.13	4.93	5.06	4.85	4.53	3.49	2.24	
10	1986	1.94	1.71	1.84	2.48	2.66	3.66	4.56	4.65	4.57	4.42	3.44	2.32	
11	1987	1.85	1.65	1.73	2.52	2.55	3.49	5.15	5.92	5.63	5.11	3.12	2.21	
12	1988	1.75	1.82	2.00	2.35	3.60	3.86	5.09	5.84	5.97	4.11	3.07	2.32	
11	1989	1.70	1.85	1.93	2.35	3.32	4.13	5.04	4.87	4.59	4.56	3.25	2.12	
12	1990	1.80	1.60	1.82	-	-	-	-	-	-	-	-	-	
AVER(1)		1.87	1.80	1.97	2.47	3.18	4.08	4.99	5.25	5.15	4.58	3.22	2.34	3.39
Notes:		1) AVER(1) is average of all the data.												

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.71A REKABI BAZAR(BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1968				2.51	3.10	4.75	5.73	5.75	4.97	4.69	2.90	1.97	
2	1969	1.66	1.72	1.81	2.24	2.83	4.18	5.26	5.47	5.46	4.54	2.77	2.09	3.34
3	1970	1.83	1.71	2.07	2.23	3.32	4.47	5.56	5.85	5.19	5.15	3.73	2.42	3.63
4	1971	2.07	1.93	2.23	2.23	2.69	4.34	5.11	5.71	5.72	-	-	-	-
5	1972	-	-	-	2.35	3.03	4.33	4.63	5.00	4.62	3.69	2.44	1.95	-
6	1973	1.75	1.71	1.74	2.35	3.08	4.92	5.06	5.46	5.06	4.83	3.38	2.83	3.51
7	1974	2.10	1.74	2.03	2.35	3.32	4.22	5.56	6.07	5.41	4.92	3.35	2.53	3.63
8	1975	1.98	1.98	1.77	2.59	2.88	3.69	4.85	5.18	4.83	4.33	3.58	2.56	3.35
9	1976	1.97	1.80	2.04	-	-	-	-	-	-	-	-	-	-
10	1977	-	-	-	2.68	3.45	4.33	5.01	5.33	5.39	4.21	2.93	2.50	-
11	1978	1.87	1.72	1.78	-	-	-	-	-	-	-	-	-	-
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	2.44	2.93	3.96	4.94	5.61	5.30	4.14	2.80	1.92	-
14	1981	1.68	1.46	1.68	-	-	-	-	-	-	-	-	-	-
15	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
16	1983	-	-	-	2.68	3.08	3.91	4.62	5.17	5.49	5.16	3.56	2.39	-
17	1984	2.23	1.89	2.21	2.67	3.76	4.58	5.57	5.74	5.70	5.07	2.90	2.26	3.72
18	1985	1.92	1.98	2.14	2.42	3.08	4.19	5.04	5.28	4.89	4.53	3.52	2.47	3.46
19	1986	1.94	1.68	2.00	2.76	2.78	3.87	4.77	4.97	4.79	4.48	3.50	2.49	3.34
20	1987	1.94	1.76	2.00	2.56	2.50	3.95	5.25	6.02	5.58	5.21	3.15	2.31	3.52
21	1988	1.85	1.92	2.10	2.45	3.71	4.01	5.39	6.21	6.43	4.39	3.56	2.41	3.70
22	1989	1.85	1.96	1.99	2.37	3.37	4.17	5.10	4.96	4.67	4.62	3.39	2.21	3.39
23	1990	1.99	1.83	2.00	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.91	1.80	1.97	2.46	3.11	4.23	5.14	5.52	5.26	4.62	3.22	2.33	3.51
Notes: 1) AVER(1) is average of all the data.														

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.179 DEMRA (BWDB)														
RIVER : LAKHYA														
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1952	-	-	-	2.29	3.02	3.75	5.58	5.18	5.58	5.27	4.08	2.74	-
2	1953	1.89	2.19	2.44	2.68	3.26	3.87	5.39	5.58	5.58	5.21	3.14	2.16	3.62
3	1954	1.77	1.83	1.86	2.29	3.60	4.94	5.85	6.46	6.52	5.09	3.54	2.16	3.83
4	1955	1.83	1.74	2.29	2.35	3.20	4.43	5.73	6.77	6.13	5.12	3.57	2.96	3.84
5	1956	2.13	1.86	1.83	2.41	3.99	5.67	5.73	5.46	5.64	4.80	2.54	2.38	3.70
6	1957	2.01	1.95	2.13	2.44	3.26	4.05	4.94	5.52	5.00	3.93	2.65	2.13	3.33
7	1958	1.92	1.92	1.86	2.19	3.41	3.87	4.33	5.94	5.97	5.03	3.57	2.68	3.56
8	1959	-	-	-	-	-	-	-	-	-	-	-	-	-
9	1960	-	-	-	-	-	-	-	-	-	-	-	-	-
10	1961	-	-	-	-	-	-	-	-	-	-	-	-	-
11	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
12	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
13	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
14	1965	1.62	1.50	1.50	1.91	3.78	4.21	4.85	5.83	5.78	4.92	3.82	2.26	-
15	1966	1.97	1.46	1.48	1.89	2.57	4.63	5.34	6.01	6.30	5.09	2.88	2.07	3.39
16	1967	1.76	1.57	1.57	1.91	2.73	3.93	5.46	5.28	4.91	4.85	3.05	2.07	3.47
17	1968	1.65	1.43	1.66	2.53	2.99	4.72	6.09	6.09	5.36	5.03	3.19	2.15	3.26
18	1969	1.84	1.90	2.15	2.37	3.04	4.46	4.63	5.87	5.87	4.99	3.00	2.42	3.55
19	1970	2.07	2.01	2.26	-	-	-	-	-	-	-	-	-	-
20	1971	-	-	-	2.51	2.79	4.60	5.52	6.08	6.08	5.20	4.21	2.56	-
21	1972	2.29	1.93	2.17	2.70	3.35	4.68	5.00	5.44	4.95	4.15	2.65	2.16	3.46
22	1973	1.77	1.94	1.84	2.44	3.43	5.36	5.49	5.88	5.55	5.33	3.57	3.05	3.80
23	1974	2.26	1.87	2.15	2.56	3.46	4.63	6.16	6.60	5.96	5.64	3.70	2.91	3.99
24	1975	2.16	2.18	2.01	2.72	3.26	3.96	5.28	5.60	5.16	4.75	3.63	2.74	3.62
25	1976	2.10	1.96	2.22	2.50	2.96	4.36	5.53	5.39	5.39	4.50	2.80	2.36	3.51
26	1977	2.03	1.86	1.92	2.62	3.73	4.91	5.46	5.76	5.81	4.66	3.22	2.56	-
27	1978	1.98	1.92	1.98	2.26	3.69	4.80	5.12	5.43	4.97	4.69	3.05	2.45	3.53
28	1979	2.00	1.81	2.10	2.23	3.05	3.70	5.15	5.49	5.21	4.62	3.09	2.53	3.42
29	1980	2.01	2.09	2.26	-	-	-	-	-	-	-	-	-	-
30	1981	-	-	-	2.75	2.87	3.61	5.42	5.65	5.43	4.61	2.99	2.95	-
31	1982	1.96	1.78	1.80	2.70	2.85	4.44	4.89	5.35	5.07	4.68	2.73	2.15	3.37
32	1983	2.03	2.03	2.45	2.81	3.14	4.09	4.89	5.47	5.81	5.54	3.69	2.45	3.70
33	1984	2.23	1.97	2.25	2.68	3.98	4.84	5.87	6.04	6.00	5.71	3.23	2.15	3.91
34	1985	1.87	1.97	2.33	2.55	3.15	4.32	5.37	5.57	5.14	4.74	3.58	2.48	3.59
35	1986	1.98	1.78	2.07	2.77	2.84	3.69	4.87	5.14	5.10	5.00	3.72	2.57	3.46
36	1987	1.97	1.90	2.00	2.50	2.55	3.89	5.57	6.38	6.03	5.68	3.36	2.44	3.69
37	1988	1.99	2.01	2.06	-	-	-	-	-	-	-	-	-	-
38	1989	-	-	-	1.75	2.47	4.33	5.34	5.20	4.93	4.88	3.54	2.25	-
39	1990	1.84	1.95	2.21	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.96	1.87	2.03	2.42	3.19	4.37	5.34	5.74	5.56	4.96	3.28	2.43	3.59
Notes: 1) AVER(1) is average of all the data.														

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.275.5 MEGHNA FERRY GHAT (BWDB)														
RIVER : SURMA-MEGHNA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1968				2.35	2.77	4.48	5.68	5.68	4.98	4.68	3.06	1.97	-
2	1969	1.65	1.55	1.92	2.27	3.17	4.33	5.40	5.63	5.60	4.79	2.94	2.43	3.47
3	1970	2.09	1.88	2.16	2.42	3.46	4.50	5.61	5.87	5.26	5.26	3.90	2.56	3.75
4	1971	2.21	2.06	2.41	2.39	2.74	4.45	5.18	5.75	-	-	-	-	-
5	1972	2.26	2.10	2.15	2.51	3.11	4.50	4.79	5.11	4.74	3.87	2.59	2.13	3.32
6	1973	1.87	1.69	1.83	2.51	3.29	5.03	5.15	5.44	5.21	4.95	3.49	3.60	3.67
7	1974	2.16	1.90	2.16	2.56	3.41	4.43	5.75	6.19	5.55	5.09	3.58	2.94	3.81
8	1975	2.26	2.21	2.26	2.65	2.99	3.79	4.99	5.29	5.01	4.53	3.72	2.65	3.53
9	1976	2.03	1.91	2.21	2.47	2.80	4.22	5.32	5.15	5.12	4.19	2.61	2.51	3.38
10	1977	1.95	1.63	1.95	2.71	3.80	4.63	5.24	5.59	5.53	4.36	3.19	2.70	3.61
11	1978	1.97	1.83	1.88	-	-	-	-	-	-	-	-	-	-
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	-	-	-	-	-	-	-	-	-	-
14	1981	-	-	-	2.73	3.06	3.37	5.08	5.40	5.18	4.47	2.93	2.88	-
15	1982	1.95	1.69	1.78	2.73	3.00	4.14	4.81	5.19	4.99	4.64	2.69	2.10	3.31
16	1983	1.97	1.88	2.37	2.75	3.08	4.06	4.78	5.28	5.56	5.22	3.64	2.44	3.59
17	1984	2.19	2.07	2.20	2.49	3.84	4.58	5.57	5.73	5.67	5.20	3.18	2.19	3.74
18	1985	1.87	1.97	2.29	2.56	3.10	4.37	5.19	5.44	5.04	4.71	3.59	2.54	3.56
19	1986	2.02	1.77	2.07	2.87	2.86	3.71	4.72	5.03	4.88	4.61	3.77	2.65	3.41
20	1987	1.93	1.92	2.05	2.60	2.63	3.97	5.35	5.99	5.67	5.29	3.34	2.47	3.60
21	1988	2.03	2.03	2.14	2.77	4.15	4.48	5.73	6.41	6.55	4.70	3.34	2.69	3.92
22	1989	1.91	2.11	2.10	-	-	-	-	-	-	-	-	-	-
23	1990	-	-	-	-	-	-	-	-	-	-	-	-	-
AVER(1)		2.02	1.90	2.11	2.57	3.18	4.28	5.24	5.57	5.33	4.74	3.27	2.56	3.58
Notes: 1) AVER(1) is average of all the data.														

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.299 TONGI (BWDB)														
RIVER : TONGI KHAL														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
														(Unit : PWD in m)
1	1960	-	-	-	1.83	2.70	3.78	5.70	5.73	6.28	6.05	3.38	2.03	-
2	1961	1.77	1.49	2.23	2.01	3.38	4.36	4.98	5.94	6.00	-	-	-	-
3	1962	1.95	2.04	1.95	2.01	3.12	4.33	5.82	7.10	7.15	5.72	3.37	2.13	3.89
4	1963	1.73	1.65	1.62	1.90	2.62	4.79	5.94	6.20	6.43	5.01	3.58	2.32	3.65
5	1964	1.92	1.46	1.71	2.61	3.17	4.51	6.19	6.88	6.01	5.66	4.01	2.41	3.88
6	1965	1.56	1.60	1.86	1.86	2.81	4.22	5.06	6.42	6.28	5.29	3.10	1.98	3.50
7	1966	1.72	1.50	1.62	1.91	2.32	4.70	5.45	6.34	6.60	5.32	3.14	2.07	3.56
8	1967	1.68	1.53	1.74	1.95	2.81	3.96	5.75	5.71	5.20	5.20	3.45	2.01	3.42
9	1968	1.56	1.59	1.67	2.19	2.87	4.85	6.41	6.58	5.64	5.27	3.76	2.03	3.70
10	1969	1.63	1.63	1.81	2.09	2.79	4.48	5.95	6.20	6.22	5.36	3.03	2.09	3.61
11	1970	1.83	1.71	1.97	2.16	3.49	4.77	6.52	6.99	5.93	5.93	4.08	2.36	3.98
12	1971	1.98	1.83	-	-	3.38	4.92	5.95	6.43	6.60	5.61	4.31	2.61	-
13	1972	2.03	1.74	1.83	2.28	3.23	4.63	5.03	5.69	5.03	4.45	2.71	1.79	3.37
14	1973	1.54	1.48	1.56	2.25	3.57	5.53	5.61	6.24	5.72	5.50	3.61	2.65	3.77
15	1974	1.92	1.57	1.85	2.33	3.28	4.59	6.30	6.98	6.34	-	3.63	2.47	-
16	1975	1.77	1.74	1.66	2.35	2.93	-	-	-	-	-	-	-	-
17	1976	-	-	-	2.09	2.71	-	-	-	-	-	-	-	-
18	1977	-	-	-	2.41	-	4.96	5.48	5.80	5.91	4.69	3.33	2.14	-
19	1978	1.66	1.43	1.53	2.04	3.78	4.74	5.08	5.44	5.02	4.73	2.82	2.11	3.37
20	1979	1.65	1.51	1.71	1.89	2.59	3.26	5.06	5.48	5.20	4.57	3.42	2.23	3.21
21	1980	1.59	1.56	1.72	2.20	3.17	4.31	5.46	6.87	6.60	4.95	3.49	1.97	3.66
22	1981	1.63	1.39	1.69	-	-	-	-	-	-	-	-	-	-
23	1982	-	-	-	2.27	2.63	4.45	4.78	5.58	4.99	4.78	2.54	1.81	-
24	1983	1.65	1.67	1.95	2.37	2.95	4.04	4.85	5.54	5.90	5.79	3.95	2.27	3.58
25	1984	1.80	1.58	1.71	2.25	3.75	4.85	5.89	6.26	6.28	6.05	3.39	1.90	3.81
26	1985	1.52	1.56	1.87	2.26	2.65	4.28	5.29	5.63	5.16	4.73	3.62	2.21	3.40
27	1986	1.67	1.45	1.67	2.35	2.53	3.78	4.94	5.16	5.38	5.34	3.86	2.38	3.38
28	1987	1.65	1.57	1.55	2.23	2.33	3.86	5.65	6.90	6.42	5.88	3.52	2.14	3.64
29	1988	1.72	1.55	1.85	-	-	-	-	7.13	7.84	-	-	-	-
30	1989	-	-	-	2.09	3.14	4.26	5.26	5.15	5.00	4.96	3.78	2.13	-
31	1990	1.52	1.60	2.03	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.72	1.59	1.78	2.15	2.99	4.43	5.55	6.16	5.97	5.29	3.48	2.17	3.60
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.122$														
where, X : raw data Y : revised data														

MONTHLY MAXIMUM WATER LEVEL														
STATION : NO.302 MIRPUR (BWDB)														
RIVER : TURAG														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
														(Unit : PWD in m)
1	1953	-	-	-	2.80	3.40	4.18	5.88	6.23	6.04	5.79	3.40	2.27	-
2	1954	2.00	2.00	2.10	2.48	3.35	5.32	6.63	7.53	7.60	5.43	3.93	2.35	4.23
3	1955	1.95	1.78	2.19	2.35	2.93	4.40	6.19	7.62	6.43	5.04	3.41	2.74	3.92
4	1956	2.09	-	2.12	2.29	3.98	5.90	5.99	5.67	5.93	5.11	3.60	-	-
5	1957	-	2.01	2.01	2.41	3.23	3.99	5.06	6.16	-	4.11	2.53	2.09	-
6	1958	1.90	2.01	1.86	2.18	3.19	3.73	4.33	7.04	7.13	5.30	3.76	2.50	3.74
7	1959	-	-	-	2.74	3.70	5.50	5.58	6.48	5.87	5.39	3.99	2.61	-
8	1960	2.60	1.89	1.89	2.06	2.88	3.79	5.90	5.91	6.58	6.17	3.26	2.27	3.77
9	1961	2.04	1.71	2.47	2.21	3.29	4.11	4.80	5.90	5.94	4.98	3.72	2.16	3.61
10	1962	2.01	2.12	1.98	2.35	3.14	4.37	5.87	7.53	7.51	5.67	3.23	2.32	4.01
11	1963	1.98	2.07	1.95	2.23	2.47	4.82	6.08	6.45	6.71	4.98	3.63	2.77	3.85
12	1964	2.44	2.10	2.44	2.71	3.00	4.42	6.34	7.13	6.04	5.74	3.87	2.23	4.04
13	1965	1.53	1.41	1.39	1.84	2.65	3.96	5.06	6.52	6.37	5.34	2.78	1.89	3.40
14	1966	1.98	1.47	1.53	1.95	2.56	4.76	5.60	6.59	6.94	5.38	3.05	2.08	3.66
15	1967	1.71	1.56	1.65	-	-	-	-	-	-	-	-	-	-
16	1968	-	-	-	2.56	2.93	4.88	6.55	6.72	5.62	5.38	3.34	2.07	-
17	1969	2.08	2.04	2.36	2.62	3.22	4.57	6.10	6.31	6.33	5.32	2.91	2.33	3.85
18	1970	2.11	2.02	2.11	2.37	3.58	4.77	6.69	7.13	5.83	5.96	3.70	2.60	4.07
19	1971	2.24	2.15	-	-	-	-	-	-	-	-	-	-	-
20	1972	-	-	-	2.44	3.16	4.59	5.03	5.70	5.01	4.34	2.55	2.17	-
21	1973	1.83	1.83	1.82	2.43	3.25	5.47	5.58	6.32	5.76	5.48	3.45	2.83	3.84
22	1974	2.31	1.94	2.12	2.45	3.35	4.80	6.24	7.05	6.34	5.63	2.65	2.65	4.04
23	1975	2.11	2.05	2.87	2.56	3.02	-	-	-	-	4.69	3.61	2.51	-
24	1976	2.04	1.92	2.16	2.41	2.83	-	-	-	-	4.49	2.62	2.31	-
25	1977	1.99	1.81	1.93	2.66	3.59	4.82	5.46	5.86	5.95	4.64	3.15	2.45	3.69
26	1978	1.91	1.94	1.95	2.26	3.60	4.67	5.02	5.47	5.00	4.70	2.90	2.40	3.48
27	1979	1.97	1.85	2.14	-	-	-	-	-	-	-	-	-	-
28	1980	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1981	-	-	-	2.70	2.95	3.47	5.40	5.75	5.60	4.75	2.85	2.74	3.02
30	1982	1.98	1.80	1.93	2.56	2.84	4.39	4.87	5.37	5.11	4.75	2.74	2.18	3.38
31	1983	2.02	1.94	2.34	2.80	3.12	4.08	4.87	5.54	5.99	5.84	3.75	2.41	3.72
32	1984	2.19	2.01	2.21	2.61	3.84	4.89	6.04	6.38	6.59	6.20	3.26	2.18	4.03
33	1985	1.92	1.98	2.35	2.50	3.00	4.32	5.43	5.75	5.22	4.78	3.65	2.44	3.61
34	1986	2.01	1.84	2.14	2.65	2.75	3.88	4.91	5.22	5.39	5.24	3.78	2.50	3.53
35	1987	1.98	1.95	2.00	2.47	2.48	3.93	5.68	7.26	6.45	6.01	3.44	2.48	3.84
36	1988	1.98	2.04	2.16	2.65	4.10	4.49	6.04	7.70	8.35	4.98	3.40	2.87	4.23
37	1989	2.00	2.09	2.04	2.29	3.24	4.41	5.38	5.22	5.01	4.95	3.93	2.30	3.57
38	1990	1.95	2.01	2.21	-	-	-	-	-	-	-	-	-	-
AVER(1)		2.03	1.91	2.08	2.44	3.17	4.51	5.63	6.37	6.15	5.23	3.36	2.40	3.76
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.042$														
where, X : raw data Y : revised data														

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MONTHLY AVERAGE OF DAILY HWL													
STATION : NO.7.5 DEMRA (BWDB)													
RIVER : BALU													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1962	-	-	-	2.06	2.50	3.75	5.06	5.43	5.94	4.14	2.57	1.97	-
1963	-	-	-	1.92	2.32	3.84	5.17	5.65	5.46	4.09	2.82	2.02	-
1964	1.70	1.55	1.73	2.07	2.73	3.56	5.14	5.99	5.54	4.64	2.95	1.85	3.29
1965	1.38	1.25	1.24	1.61	2.40	3.50	4.61	5.34	5.26	3.64	2.30	1.65	2.85
1966	1.41	1.17	1.30	1.67	2.06	2.80	4.93	5.34	5.86	3.95	2.27	1.73	2.87
1967	1.43	1.33	1.38	1.61	2.29	3.21	4.73	5.01	4.73	4.10	2.17	1.61	2.80
1968	1.32	1.25	1.31	2.03	2.50	3.74	5.39	5.64	4.90	4.46	2.64	1.85	3.09
1969	1.63	1.55	1.66	-	-	-	-	-	-	3.90	2.53	1.98	-
1970	1.69	1.59	1.72	2.12	2.97	3.82	5.08	6.05	5.18	4.90	3.09	-	-
1971	-	-	-	2.06	2.42	3.78	5.03	5.88	5.60	4.68	3.12	2.16	-
1972	1.86	1.57	2.37	2.14	2.77	3.55	4.58	5.06	4.55	3.39	2.29	1.89	3.00
1973	1.55	1.53	1.59	2.17	3.02	3.98	5.00	5.55	5.09	4.54	3.04	2.32	3.23
1974	1.85	1.60	1.79	2.15	3.04	3.74	5.43	6.27	5.72	4.53	2.94	2.09	3.43
1975	1.72	1.65	1.68	2.12	2.61	3.29	4.51	5.24	5.04	4.29	2.92	2.11	3.10
1976	1.70	1.57	1.72	1.99	2.53	3.75	5.12	5.01	4.89	3.55	2.47	2.08	3.03
1977	1.70	1.59	1.75	2.50	3.28	4.43	5.07	5.56	5.34	4.24	2.79	2.18	3.37
1978	1.68	1.63	1.66	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	1.97	2.54	2.88	4.47	5.21	5.08	4.34	2.66	2.17	-
1980	1.70	1.63	1.80	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	2.10	2.46	3.39	4.80	5.17	5.00	3.50	2.25	1.82	-
1983	1.58	1.43	1.79	2.19	2.88	3.46	4.64	5.27	5.57	4.97	3.05	2.20	3.25
1984	1.91	1.53	1.78	2.45	3.26	4.17	5.40	5.70	5.75	4.73	2.84	2.19	3.48
1985	1.81	1.84	2.17	2.45	2.81	4.00	4.92	5.22	5.03	4.39	2.92	2.20	3.31
1986	1.80	1.63	1.74	2.28	2.63	2.98	4.53	4.86	4.91	4.67	3.09	2.03	3.10
1987	1.69	1.65	1.68	2.20	2.46	3.36	4.94	6.20	5.88	4.69	2.96	2.26	3.33
1988	1.82	1.77	1.87	2.23	3.09	4.30	5.46	5.73	6.43	4.35	2.84	2.32	3.52
1989	1.75	1.80	1.82	2.25	2.79	3.93	4.92	4.91	4.91	4.49	2.85	2.00	3.21
1990	1.70	1.68	1.84	-	-	-	-	-	-	-	-	-	-
AVER(1)	1.67	1.56	1.71	2.10	2.68	3.63	4.96	5.47	5.32	4.29	2.73	2.03	3.18
Notes:													
1) AVER(1) is average of all the data.													
2) Above data are necessary to be revised by using following equation to get the correct elevation.													
$Y = X + 0.007$													
where, X : above raw data Y : revised data													

MONTHLY AVERAGE OF DAILY HWL														
		STATION : NO.14.5 NAYARHAT (BWDB)												
		RIVER : BANGSHI												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1964				2.42	3.36	4.45	6.52	7.56	6.97	5.92	3.73	2.42	
2	1965	1.90	1.75	1.66	2.07	3.23	4.55	5.99	6.86	6.84	4.99	3.19	2.25	3.77
3	1966	1.91	1.72	1.74	2.09	2.68	4.97	6.26	6.86	7.56	5.29	2.97	2.24	3.86
4	1967	1.83	1.71	1.77	1.96	2.85	4.37	6.28	6.54	6.16	5.62	3.24	1.87	3.68
5	1968	1.96	1.87	1.87	2.45	3.21	5.03	6.98	7.34	6.43	6.12	3.43	2.32	4.08
6	1969	1.89	1.76	1.81	2.23	3.00	4.99	6.60	7.21	7.23	5.09	3.02	2.32	3.93
7	1970	1.92	1.72	1.77	2.45	3.85	4.91	6.50	8.09	6.45	6.34	3.56	2.40	4.16
8	1971	2.01	1.75	-	-	-	-	-	-	-	-	-	-	-
9	1972	-	-	-	2.19	3.38	4.65	5.72	6.52	5.95	4.65	2.76	2.06	-
10	1973	1.72	1.52	1.61	2.26	3.54	5.06	6.28	7.16	6.43	5.73	3.32	2.48	3.93
11	1974	2.04	1.65	1.75	2.29	3.43	4.45	6.58	7.86	7.34	5.67	3.35	2.23	4.05
12	1975	1.83	1.65	1.59	2.02	2.70	-	-	-	-	5.36	3.29	2.36	-
13	1976	1.90	1.62	1.70	1.96	2.70	4.48	6.04	5.99	5.92	4.34	2.68	2.18	3.46
14	1977	1.73	1.53	1.69	2.56	3.77	5.31	6.02	6.73	6.61	5.27	3.06	2.26	3.88
15	1978	1.79	1.56	1.54	1.91	3.00	4.79	5.99	6.30	5.81	4.57	2.71	2.10	3.51
16	1979	1.74	1.46	1.55	1.86	2.50	2.96	5.16	6.15	6.04	5.29	2.87	2.22	3.32
17	1980	1.75	1.50	1.62	1.94	3.35	4.50	5.72	7.36	7.00	5.38	3.24	2.30	3.81
18	1981	1.86	1.62	1.64	2.42	2.73	3.76	5.87	6.56	6.41	4.41	2.71	-	-
19	1982	2.18	1.71	1.47	2.20	2.85	3.98	5.69	6.02	5.86	4.40	2.57	2.03	3.41
20	1983	1.72	1.45	1.87	2.20	3.18	4.19	5.58	6.23	6.68	6.22	3.56	2.27	3.76
21	1984	1.95	1.62	1.67	2.16	3.45	5.43	6.52	7.05	7.05	5.73	3.10	2.17	3.99
22	1985	1.75	1.54	1.94	2.27	2.89	4.83	6.05	6.44	6.27	5.45	3.30	2.28	3.75
23	1986	1.79	1.47	1.57	2.14	2.68	3.18	5.46	5.95	6.12	6.11	3.71	2.29	3.54
24	1987	1.82	1.61	1.58	2.16	2.49	3.79	5.89	7.87	7.38	5.94	3.30	2.34	3.85
25	1988	1.88	1.67	1.74	2.17	3.20	4.99	6.47	7.06	8.24	5.23	3.13	2.64	4.04
26	1989	1.82	1.70	1.65	2.00	2.78	4.53	5.79	5.81	5.92	5.52	3.35	2.15	3.58
27	1990	1.79	1.60	1.76	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.86	1.63	1.69	2.18	3.07	4.51	6.08	6.81	6.61	5.99	3.17	2.26	3.78

Notes: 1) AVER(1) is average of all the data

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE OF DAILY HWL														
STATION : NO.42 MILL BARAK (BWDB)														
RIVER : BURIGANGA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1945				1.96	2.38	-	4.55	5.68	5.66	4.46	-	1.99	
2	1946	1.56	1.49	1.53	1.90	2.62	3.77	5.06	5.45	4.89	4.31	-	2.13	
3	1947	1.63	1.48	1.60	2.06	2.43	3.64	4.72	5.45	4.99	4.34	-	1.93	
4	1948	1.59	1.43	1.57	1.98	2.94	-	5.20	6.01	5.14	4.46	-	1.92	
5	1949	1.56	1.43	1.59	2.09	2.90	-	5.33	5.63	5.65	4.45	2.65	1.54	
6	1950	1.51	1.46	1.51	1.89	2.28	3.39	4.86	5.18	5.40	3.77	2.32	1.66	2.94
7	1951	1.34	1.26	1.68	1.86	2.10	2.86	5.00	-	-	-	-	1.59	
8	1952	-	1.57	-	1.76	2.22	3.21	4.56	4.59	5.22	4.45	2.90	1.96	
9	1953	1.51	1.57	1.84	2.01	2.41	3.41	4.60	5.39	5.11	4.47	2.45	1.77	3.05
10	1954	1.43	1.55	1.53	1.98	2.55	3.87	5.59	6.73	6.09	4.57	2.77	1.80	3.37
11	1955	1.54	1.48	1.68	2.05	2.53	3.60	5.29	6.72	5.42	3.93	2.70	1.85	-
12	1956	1.44	1.33	1.45	1.61	2.95	4.33	5.29	5.07	5.27	3.74	2.73	1.64	3.07
13	1957	1.18	1.15	1.13	1.40	2.23	2.86	4.13	5.03	4.11	3.01	1.90	1.41	2.46
14	1958	1.21	1.16	1.37	1.69	2.64	3.17	3.99	5.27	5.70	4.31	2.78	1.92	2.93
15	1959	-	-	-	1.95	2.69	3.71	4.85	5.31	4.72	4.30	2.81	1.84	-
16	1960	1.41	1.35	1.28	1.57	2.07	3.15	4.44	5.27	5.59	4.46	2.45	1.87	2.91
17	1961	1.55	1.38	1.92	1.93	2.52	3.59	4.15	4.90	5.14	-	-	-	-
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	1.99	2.47	4.63	5.42	5.79	4.95	4.51	2.53	1.92	2.85
25	1969	1.57	1.53	1.65	1.88	2.18	3.48	4.91	5.54	5.56	3.83	2.43	1.90	3.04
26	1970	1.59	1.46	1.63	2.04	2.83	3.66	4.98	6.24	5.13	4.82	2.96	2.08	3.29
27	1971	1.81	1.63	1.45	1.84	2.20	3.42	4.91	5.82	5.71	4.58	3.00	2.07	3.20
28	1972	1.77	1.47	1.63	2.08	2.70	3.43	4.39	4.95	4.42	3.27	2.20	1.78	2.84
29	1973	1.48	1.40	1.47	2.10	2.83	3.78	4.78	5.50	4.97	4.39	2.91	2.16	3.15
30	1974	1.78	1.57	1.78	2.10	2.87	3.57	5.21	6.23	5.65	4.32	2.81	2.01	3.33
31	1975	1.71	1.62	1.62	2.04	2.50	3.13	4.31	5.06	4.88	4.05	2.83	2.08	2.99
32	1976	1.67	1.55	1.74	2.00	2.47	3.47	4.81	4.76	4.68	3.32	2.31	1.96	2.90
33	1977	1.59	1.54	1.72	2.33	2.99	4.03	4.68	5.28	5.04	3.85	2.58	2.03	3.14
34	1978	1.61	1.55	1.59	1.86	2.60	3.71	4.59	5.00	4.53	3.59	2.40	1.83	2.91
35	1979	1.57	1.37	1.54	1.82	2.31	2.63	4.05	4.81	4.64	3.94	2.43	1.96	2.76
36	1980	1.54	-	-	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	2.07	2.39	3.13	4.57	5.23	4.96	3.45	2.37	1.90	-
38	1982	1.55	1.50	1.58	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	2.06	2.73	3.34	4.43	5.00	5.42	4.70	3.03	2.08	-
40	1984	1.82	1.62	1.73	2.07	2.88	4.15	5.02	5.30	5.38	4.23	2.46	1.90	3.21
41	1985	1.59	1.56	1.89	2.18	2.52	3.72	4.63	4.94	4.78	4.18	2.72	2.02	3.06
42	1986	1.57	1.44	1.53	1.94	2.36	2.75	4.20	4.62	4.66	4.36	2.90	1.89	2.85
43	1987	1.52	1.46	1.54	2.04	2.20	3.10	4.68	6.10	5.75	4.41	2.73	2.02	3.13
44	1988	1.68	1.62	1.72	2.07	2.83	4.00	5.16	5.56	6.38	4.00	2.61	2.08	3.31
45	1989	1.55	1.64	1.66	1.91	2.47	3.62	4.55	4.65	4.58	4.12	2.54	1.85	2.93
46	1990	1.54	1.50	1.74	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.56	1.48	1.60	1.95	2.53	3.51	4.74	5.39	5.17	4.14	2.62	1.90	3.02
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X - 0.037$														
where, X : above raw data Y : revised data														

MONTHLY AVERAGE OF DAILY HWL														
		STATION : NO.43 HARIHARPARA (BWDB)												
		RIVER : BURIGANGA												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1945													
2	1946	1.26	1.17	1.21	1.74	2.48	3.48	4.67	4.90	4.83	4.12	2.52	1.67	
3	1947	1.49	1.21	1.41	1.83	1.84		4.29		4.62			1.98	
4	1948													
5	1949				2.46	3.24	4.19	5.19	5.62	5.58				
6	1950													
7	1951													
8	1952													
9	1953				1.81	2.21	3.12	4.13	4.98	4.44	3.95	2.28	1.15	
10	1954	0.95	1.08	1.13	1.76	2.25	3.50	5.03	5.98	5.44	4.14		1.59	
11	1955	1.12	1.16	1.32	1.65	2.20	3.21	4.57	6.08	5.04	3.72	2.49	1.48	2.84
12	1956	1.05	1.45	1.75	1.94	2.64	3.41	4.42	4.30	4.49	3.01	2.41	1.67	2.73
13	1957	1.31	1.24	1.17	1.57	2.31	2.90	4.02	4.79	3.96	2.95	1.95	1.34	2.46
14	1958	1.19	1.28	1.32	1.46	2.50	2.91	3.74	4.87	5.15				
15	1959				1.69	2.48	3.49	4.53	4.92	4.35	3.96	2.59	1.65	
16	1960	1.17	1.25	1.13	1.36	1.83	3.00	4.16	4.93	5.14	4.17	2.27	1.65	2.67
17	1961	1.34	1.17	1.75	1.73	2.29	3.32	3.88	4.58	4.75				
18	1962													
19	1963													
20	1964													
21	1965													
22	1966													
23	1967													
24	1968				1.80	2.16	3.40	5.06	5.38	4.59	4.17	2.32	1.50	
25	1969	1.35	1.41	1.35	1.75	2.04	3.34	4.66	5.23	5.22	3.62	2.26	1.67	2.83
26	1970	1.50	1.31	1.45	1.86	2.66	3.47	4.71	5.81	4.89	4.57	2.81	1.94	3.08
27	1971	1.62	1.37	1.35	1.80	2.24	3.41	4.72	5.48	5.37	4.33	2.77	1.47	2.99
28	1972	1.42	1.31	1.41	1.90	2.50	3.15	4.17	4.67	4.18	3.06	1.98	1.68	2.62
29	1973	1.32	1.30	1.39	1.88	2.67	3.59	4.52	5.18	4.70	4.17	2.85	2.06	2.97
30	1974	1.53	1.34	1.53	1.81	2.67	3.33	4.92	5.90	5.27	4.04	2.56	1.77	3.06
31	1975	1.51	1.38	1.39	1.81	2.46	3.07	4.16	4.88	4.68	3.88	2.66	1.90	2.82
32	1976	1.43	1.31	1.50	1.72	2.18	3.24	4.18	4.53	4.41	3.16	2.11	1.84	2.66
33	1977	1.38	1.34	1.49	2.06	2.79	3.83	4.49	5.03	4.81	3.66	2.43	1.97	2.94
34	1978	1.54	1.32	1.48	1.67	2.60	3.61	4.38	4.77	4.34	3.43	2.29	1.66	2.76
35	1979	1.35	1.13	1.13	1.57	1.95	2.55	3.96	4.60	4.45	3.81	2.23	1.78	2.54
36	1980	1.37	1.14	1.23	1.06									
37	1981													
38	1982													
39	1983				1.83	2.59	3.05	4.18	4.65	5.13	4.30	2.92	1.78	
40	1984	1.54	1.33	1.45	1.84	2.72	3.95	4.83	5.04	5.13	3.93	2.24	1.74	2.98
41	1985	1.29	1.41	1.77	1.99	2.29	3.56	4.42	4.65	4.52	3.98	2.47	1.92	2.86
42	1986	1.35	1.31	1.39	1.83	2.23	2.50	4.02	4.42	4.40	4.07	2.77	1.79	2.67
43	1987	1.31	1.36	1.30	1.83	2.03	2.86	4.46	5.78	5.45	4.17	2.52	1.90	2.91
44	1988	1.51	1.43	1.53	1.92	2.57	3.72	4.73	5.14	6.05	3.84	2.47	1.86	3.06
45	1989	1.21	1.28	1.25	1.70	2.44	3.35	4.25	4.35	4.27	3.81	2.29	1.44	2.64
46	1990	1.34	1.41	1.44										
AVER(1)		1.35	1.29	1.39	1.77	2.39	3.32	4.44	5.05	4.83	3.86	2.44	1.71	2.81

Notes: 1) AVER(1) is average of all the data.

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE OF DAILY HWL													
STATION : NO.71 KALAGACHIA(BWDB)													
RIVER : DHALESWARI													
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	(Unit : PWD In m)
1	1977	-	-	-	-	2.93	3.93	4.50	5.02	4.67	3.64	2.48	DEC. AVER.
2	1978	1.47	1.40	1.44	1.77	2.54	3.61	4.39	4.77	4.33	3.49	2.35	1.91
3	1979	1.59	1.41	1.59	-	-	-	-	-	-	-	-	1.87
4	1980	-	-	-	2.03	2.86	3.57	4.36	-	-	-	-	-
5	1981	-	-	-	-	-	-	-	-	-	-	-	-
6	1982	-	-	-	-	-	-	-	-	-	-	-	-
7	1983	-	-	-	2.04	2.73	3.26	4.28	4.76	5.12	4.37	3.26	2.03
8	1984	1.68	1.45	1.69	2.11	2.88	4.12	4.83	4.92	5.01	3.95	2.44	1.85
9	1985	1.46	1.49	1.81	2.03	2.38	3.55	4.49	4.68	4.59	4.07	2.63	1.88
10	1986	1.59	1.36	1.47	2.05	2.32	2.74	4.11	4.40	4.42	4.02	2.81	1.77
11	1987	1.44	1.39	1.45	2.11	2.26	2.88	4.48	5.63	5.35	4.08	2.59	1.89
12	1988	1.46	1.40	1.49	1.85	2.68	3.63	4.56	4.86	5.28	3.52	2.30	1.76
13	1989	1.19	1.51	1.56	1.94	2.63	3.57	4.43	4.55	4.46	3.97	2.51	1.69
14	1990	1.45	1.23	1.32	-	-	-	-	-	-	-	-	-
AVER(1)		1.48	1.40	1.54	1.99	2.62	3.49	4.44	4.84	4.80	3.90	2.60	1.85
AVER(1)		1.48	1.40	1.54	1.99	2.62	3.49	4.44	4.84	4.80	3.90	2.60	1.85
Notes:		1) AVER(1) is average of all the data.											

MONTHLY AVERAGE OF DAILY HWL															
		STATION : NO.71A REKABI BAZAR(BWDB)													
		RIVER : DHALESWARI													
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.	
														(Unit : PWD in m)	
1	1968				1.99	2.58	3.84	5.07	5.26	4.55	4.14	2.39	1.68	-	
2	1969	1.46	1.38	1.49	1.80	2.14	3.46	4.67	5.11	5.10	3.64	2.35	1.77	2.86	
3	1970	1.48	1.42	1.56	1.93	2.78	3.58	4.73	5.64	4.86	4.52	2.90	1.99	3.12	
4	1971	1.73	1.52	1.55	1.93	2.32	3.55	4.74	5.39	5.29	-	-	-	-	
5	1972	-	-	-	1.99	2.59	3.32	4.26	4.65	4.20	3.15	2.14	1.62	-	
6	1973	1.43	1.36	1.54	2.06	2.83	3.75	4.59	5.14	4.70	4.18	2.86	2.14	3.05	
7	1974	1.68	1.45	1.63	1.99	2.81	3.46	4.89	5.72	5.16	4.06	2.67	1.91	3.12	
8	1975	1.62	1.53	1.49	1.95	2.47	3.11	4.16	4.83	4.64	3.88	2.75	1.95	2.87	
9	1976	1.53	1.41	1.61	-	-	-	-	-	-	-	-	-	-	
10	1977	-	-	-	2.23	2.93	3.90	4.52	5.06	4.76	3.71	2.49	1.97	-	
11	1978	1.44	1.40	1.43	-	-	-	-	-	-	-	-	-	-	
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	1980	-	-	-	1.88	2.64	3.40	4.23	5.13	4.76	3.56	2.32	1.63	-	
14	1981	1.34	1.16	1.28	-	-	-	-	-	-	-	-	-	-	
15	1982	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	1983	-	-	-	2.02	2.69	3.27	4.34	4.82	5.20	4.40	2.97	1.96	-	
17	1984	1.74	1.42	1.67	2.09	2.91	4.14	4.92	5.06	5.18	4.06	2.40	1.84	3.12	
18	1985	1.65	1.54	1.84	2.08	2.40	3.72	4.59	4.80	4.64	4.12	2.72	2.01	3.01	
19	1986	1.56	1.41	1.55	2.02	2.41	2.84	4.33	4.62	4.54	4.14	2.87	1.87	2.85	
20	1987	1.51	1.51	1.55	2.09	2.28	2.96	4.57	5.73	5.40	4.21	2.68	2.00	3.04	
21	1988	1.56	1.50	1.62	1.96	2.76	3.76	4.83	5.14	5.65	3.82	2.51	1.92	3.09	
22	1989	1.52	1.63	1.58	2.03	2.76	3.67	4.53	4.63	4.56	4.10	2.66	1.87	2.96	
23	1990	1.60	1.37	1.54	-	-	-	-	-	-	-	-	-	-	
	AVER(1)	1.55	1.44	1.56	2.00	2.61	3.51	4.59	5.10	4.89	3.98	2.60	1.88	3.01	
Notes: 1) AVER(1) is average of all the data.															

MONTHLY AVERAGE OF DAILY HWL												
STATION : NO.179 DEMRA (BWDB)												
RIVER : LAKHYA												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
1	1952				1.88	2.36	3.40	4.88	4.94	5.40	4.82	3.10
2	1953	1.57	1.70	2.00	2.19	2.63	3.64	4.67	5.38	5.10	4.48	2.10
3	1954	1.55	1.54	1.64	2.05	2.76	4.32	5.40	6.26	5.89	4.58	1.86
4	1955	1.48	1.48	1.65	2.10	2.55	3.67	5.03	6.43	5.54	4.14	2.82
5	1956	1.78	1.50	1.50	1.90	3.28	4.54	5.40	5.23	5.40	3.99	2.97
6	1957	1.66	1.54	1.75	1.90	2.74	3.20	4.55	5.28	4.41	3.39	2.86
7	1958	1.59	1.55	1.56	1.89	2.83	3.34	4.18	5.21	5.56	4.44	1.76
8	1959	-	-	-	-	-	-	-	-	-	-	2.16
9	1960	-	-	-	-	-	-	-	-	-	-	-
10	1961	-	-	-	-	-	-	-	-	-	-	-
11	1962	-	-	-	-	-	-	-	-	-	-	-
12	1963	-	-	-	-	-	-	-	-	-	-	-
13	1964	-	-	-	-	-	-	-	-	-	-	-
14	1965	1.39	1.26	1.31	1.55	2.43	3.51	4.63	5.36	5.28	3.65	2.94
15	1966	1.42	1.22	1.33	1.68	2.07	3.83	4.96	5.37	5.90	3.97	2.31
16	1967	1.45	1.33	1.36	1.59	2.26	3.21	4.74	5.01	4.75	4.07	1.69
17	1968	1.35	1.27	1.32	2.05	2.53	3.76	5.40	5.67	4.92	4.46	2.31
18	1969	1.68	1.60	1.70	2.00	2.32	3.69	5.01	5.52	5.54	3.94	2.20
19	1970	1.70	1.63	1.77	-	-	-	-	-	-	-	2.03
20	1971	-	-	-	2.18	2.48	3.84	5.11	5.74	5.66	4.73	2.59
21	1972	1.93	1.58	1.76	2.23	2.87	3.61	4.64	5.11	4.60	3.46	3.20
22	1973	1.59	1.54	1.61	2.19	3.06	4.00	5.03	5.57	5.12	4.58	2.22
23	1974	1.86	1.61	1.79	2.18	3.08	3.81	5.50	6.30	5.76	4.57	1.86
24	1975	1.77	1.67	1.69	2.09	2.62	3.33	4.52	5.24	5.06	4.29	2.33
25	1976	1.70	1.62	1.73	2.03	2.60	3.80	5.19	5.06	4.93	3.61	3.06
26	1977	1.65	1.52	1.68	2.41	3.19	4.35	4.99	5.48	5.26	4.16	2.99
27	1978	1.59	1.54	1.60	1.92	2.73	4.07	4.95	5.23	4.75	3.83	2.12
28	1979	1.61	1.40	1.56	1.87	2.50	2.83	4.36	5.10	4.98	4.22	3.11
29	1980	1.68	1.63	1.77	-	-	-	-	-	-	-	3.07
30	1981	-	-	-	2.20	2.55	3.33	4.82	5.42	5.16	3.64	2.10
31	1982	1.57	1.51	1.48	2.14	2.51	3.44	4.70	5.05	4.88	3.40	1.99
32	1983	1.66	1.50	1.90	2.15	2.85	3.44	4.58	5.16	5.51	4.76	2.57
33	1984	1.75	1.49	1.68	2.16	3.03	4.37	5.20	5.46	5.48	4.43	1.87
34	1985	1.56	1.57	1.92	2.23	2.61	3.95	4.88	5.13	4.95	4.32	2.05
35	1986	1.65	1.50	1.61	2.06	2.49	2.70	4.40	4.76	4.83	4.57	2.54
36	1987	1.53	1.58	1.62	2.12	2.36	3.27	4.84	6.09	5.79	4.60	1.95
37	1988	1.66	1.62	1.70	-	-	-	-	-	-	-	2.78
38	1989	-	-	-	2.02	2.69	3.82	4.81	4.87	4.80	4.38	2.04
39	1990	1.49	1.51	1.71	-	-	-	-	-	-	-	3.02
AVER(1)		1.62	1.52	1.64	2.03	2.65	3.66	4.87	5.39	5.21	4.19	3.04
Notes:		1) AVER(1) is average of all the data.										
		(Unit : PWD in m)										
		DEC.										
		AVER.										
		3.15										
		3.39										
		3.27										
		3.28										
		2.87										
		3.11										
		2.16										
		1.86										
		2.86										
		2.98										
		3.10										
		3.14										
		2.93										
		3.05										
		2.93										
		1.99										
		2.90										
		3.22										
		3.30										
		3.16										
		2.96										
		3.24										
		1.87										
		1.98										
		3.11										

MONTHLY AVERAGE OF DAILY HWL														
STATION : NO 275.5 MEGHNA FERRY GHAT (BWDB)														
RIVER : SURMA-MEGHNA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1968	1.53	1.38	1.52	1.90	2.37	3.61	5.00	5.31	4.55	4.11	2.47	1.75	-
2	1969	1.53	1.38	1.52	1.91	2.09	3.55	4.81	5.22	5.21	3.82	2.54	2.02	2.97
3	1970	1.70	1.58	1.70	2.15	2.94	3.75	4.85	5.68	4.96	4.64	3.08	2.16	3.27
4	1971	1.90	1.63	1.69	2.12	2.43	3.48	4.76	5.35	-	-	-	-	-
5	1972	2.01	1.56	1.70	2.15	2.74	3.49	4.47	4.77	4.30	3.32	2.34	1.90	2.90
6	1973	1.58	1.44	1.53	2.19	2.98	3.91	4.80	5.22	4.85	4.38	3.07	2.44	3.20
7	1974	1.87	1.63	1.81	2.18	3.01	3.69	5.09	5.85	5.30	4.30	2.89	2.15	3.31
8	1975	1.82	1.86	1.87	2.05	2.63	3.22	4.27	4.95	4.79	4.06	2.92	2.04	3.04
9	1976	1.60	1.53	1.66	1.94	2.53	3.61	4.92	4.82	4.62	3.38	2.43	2.12	2.93
10	1977	1.63	1.41	1.65	2.38	3.10	4.08	4.78	5.23	5.01	3.87	2.76	2.03	3.16
11	1978	1.58	1.49	1.58	-	-	-	-	-	-	-	-	-	-
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	-	-	-	-	-	-	-	-	-	-
14	1981	-	-	-	2.08	2.50	3.24	4.61	5.15	4.85	3.56	2.54	1.97	-
15	1982	1.52	1.36	1.39	2.14	2.51	3.21	4.56	4.90	4.84	3.38	2.17	1.73	2.81
16	1983	1.56	1.39	1.75	2.02	2.79	3.44	4.53	4.98	5.31	4.52	3.02	2.02	3.11
17	1984	1.76	1.55	1.66	1.94	2.93	4.15	4.93	5.04	5.22	4.20	2.58	1.96	3.16
18	1985	1.59	1.57	1.92	2.20	2.65	3.93	4.76	4.96	4.76	4.22	2.87	2.16	3.13
19	1986	1.66	1.52	1.63	2.16	2.49	2.86	4.29	4.67	4.66	4.30	3.07	2.01	2.94
20	1987	1.60	1.57	1.63	2.20	2.41	3.30	4.77	5.77	5.47	4.38	2.81	2.12	3.17
21	1988	1.67	1.63	1.70	2.11	3.01	4.22	5.22	5.44	5.87	4.15	2.71	2.15	3.32
22	1989	1.57	1.66	1.63	2.06	2.80	3.83	4.72	4.87	4.74	4.32	2.88	1.93	3.08
23	1990	1.55	1.52	1.72	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.67	1.54	1.67	2.10	2.68	3.61	4.74	5.17	4.96	4.05	2.73	2.04	3.09

Notes: 1) AVER(1) is average of all the data.

Notes: 1) AVER(1) is average of all the data.

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	MONTHLY AVERAGE OF DAILY HWL													
2														
3	STATION : NO.299 TONGI(BWDB)													
4	RIVER : TONGI KHAL													
5														
6	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVER
7	1960				1.58	2.11	3.33	4.72	5.54	5.78	4.81	2.59	1.75	-
8	1961	1.40	1.27	1.83	1.82	2.63	4.06	4.63	5.37	5.65	-	-	-	-
9	1962	1.63	1.72	1.62	1.79	2.32	3.78	5.41	5.91	6.59	4.45	2.64	1.84	3.31
10	1963	1.52	1.42	1.66	1.61	2.05	3.77	5.30	6.01	5.94	4.26	2.87	1.91	3.17
11	1964	1.57	1.29	1.50	2.08	2.88	3.51	5.32	6.46	5.88	4.95	3.21	1.96	3.38
12	1965	1.37	1.25	1.25	1.60	2.44	3.51	4.81	5.69	5.69	4.10	2.60	1.71	3.00
13	1966	1.32	1.14	1.30	1.63	2.00	3.77	5.06	5.56	6.27	4.26	2.48	1.78	3.05
14	1967	1.42	1.30	1.41	1.56	2.31	3.26	4.92	5.42	5.03	4.50	2.59	1.63	2.95
15	1968	1.31	1.24	1.32	1.87	2.38	3.83	5.63	6.05	5.20	4.81	2.87	1.74	3.19
16	1969	1.47	1.40	1.46	1.80	2.13	3.68	5.19	5.92	5.91	4.20	2.53	1.86	3.13
17	1970	1.53	1.42	1.51	2.00	2.87	3.84	5.30	6.68	5.44	5.26	3.17	2.05	3.42
18	1971	1.75	1.52	-	-	2.90	4.06	5.39	6.12	6.15	5.05	3.48	2.12	-
19	1972	1.78	1.43	1.46	2.02	2.65	3.58	4.70	5.35	4.79	3.64	2.20	1.59	2.93
20	1973	1.30	1.21	1.31	1.98	3.05	4.06	5.20	5.82	5.27	4.71	3.03	2.20	3.26
21	1974	1.65	1.31	1.47	2.09	2.91	3.70	5.54	6.59	6.00	-	2.94	1.85	-
22	1975	1.46	1.31	1.31	1.88	2.40	-	-	-	-	-	-	-	-
23	1976	-	-	-	1.79	2.39	-	-	-	-	-	-	-	-
24	1977	-	-	-	2.26	-	4.28	5.00	5.52	5.36	4.20	2.70	1.87	-
25	1978	1.36	1.19	1.17	1.70	2.76	4.10	4.89	5.23	4.74	3.80	2.37	1.64	2.91
26	1979	1.29	1.05	1.25	1.71	2.19	2.58	4.24	5.12	4.99	4.27	2.61	1.89	2.77
27	1980	1.32	1.16	1.37	1.81	2.81	3.77	4.65	5.91	5.66	4.25	2.68	1.79	3.10
28	1981	1.27	1.20	1.30	-	-	-	-	-	-	-	-	-	-
29	1982	-	-	-	1.84	2.34	3.20	4.63	5.24	4.87	3.60	2.11	1.53	-
30	1983	1.31	1.15	1.53	1.87	2.69	3.30	4.58	5.20	5.53	5.02	3.09	1.90	3.10
31	1984	1.55	1.28	1.36	1.86	2.99	4.40	5.26	5.65	5.50	4.59	2.53	1.72	3.23
32	1985	1.34	1.26	1.60	1.95	2.43	3.81	4.84	5.19	5.00	4.37	2.83	1.90	3.04
33	1986	1.38	1.18	1.32	1.84	2.33	2.58	4.39	4.85	4.90	4.86	3.18	1.85	2.89
34	1987	1.36	1.23	1.27	1.81	2.23	3.12	4.85	6.35	5.99	4.78	2.77	1.95	3.14
35	1988	1.46	1.31	1.50	-	-	-	-	5.84	6.70	-	-	-	-
36	1989	-	-	-	1.74	2.38	3.83	4.83	4.87	4.81	4.55	2.89	1.77	-
37	1990	1.36	1.28	1.57	-	-	-	-	-	-	-	-	-	-
38														
39	AVER(1)	1.44	1.29	1.41	1.83	2.50	3.64	4.97	5.68	5.55	4.47	2.76	1.83	3.10
40														
41	Notes: 1) AVER(1) is average of all the data													
42	2) Above data are necessary to be revised by using following equation to get the correct elevation.													
43														
44														

MONTHLY AVERAGE OF DAILY HWL														
STATION : NO.302 MIRPUR (BWDB)														
RIVER : TURAG														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1953				2.28	2.72	3.81	5.00	5.95	5.50	4.86	2.78	2.06	-
2	1954	1.67	1.77	1.78	2.29	2.80	4.23	5.96	7.32	6.52	4.91	2.99	1.95	-
3	1955	1.55	1.46	1.67	2.00	2.48	3.46	5.09	7.22	5.64	4.08	2.95	2.13	3.31
4	1956	1.72	-	1.76	1.99	3.15	4.55	5.60	5.36	5.68	4.11	2.80	-	3.06
5	1957	-	1.81	1.74	2.00	2.75	3.25	4.63	5.69	-	3.44	2.26	1.76	-
6	1958	1.61	1.55	1.55	1.87	2.77	3.25	4.13	5.62	6.23	4.63	2.93	2.03	3.18
7	1959	-	-	-	2.11	2.94	4.27	5.44	5.93	5.20	4.71	3.09	2.02	-
8	1960	1.62	1.51	1.44	1.72	2.17	3.34	4.74	5.69	5.97	4.78	2.53	1.93	3.12
9	1961	1.61	1.44	2.00	1.98	2.59	3.79	4.38	5.22	5.51	4.62	2.76	1.77	3.14
10	1962	1.64	1.72	1.65	2.00	2.42	3.73	5.43	6.05	6.73	4.32	2.52	1.97	3.35
11	1963	1.70	1.62	1.62	1.85	2.08	3.65	5.37	6.17	6.10	4.27	2.87	2.25	3.30
12	1964	1.92	1.87	2.02	2.15	2.59	3.39	5.31	6.61	5.98	4.91	3.00	1.79	3.46
13	1965	1.30	1.18	1.18	1.53	2.24	3.42	4.68	5.76	5.72	3.92	2.33	1.69	2.91
14	1966	1.38	1.18	1.29	1.69	2.08	3.87	5.15	5.74	6.42	4.20	2.31	1.74	3.09
15	1967	1.40	1.32	1.35	-	-	-	-	-	-	-	-	-	-
16	1968	-	-	-	2.10	2.46	3.72	5.66	6.08	5.15	4.76	2.60	1.88	-
17	1969	1.91	1.78	1.94	2.24	2.55	3.85	5.24	5.92	5.95	4.08	2.54	2.03	3.34
18	1970	1.76	1.68	1.72	2.17	2.99	3.79	5.28	6.74	5.39	5.13	2.96	2.18	3.48
19	1971	1.94	1.76	-	-	-	-	-	-	-	-	-	-	-
20	1972	-	-	-	2.12	2.74	3.46	4.64	5.30	4.70	3.47	2.31	1.86	-
21	1973	1.58	1.53	1.60	2.12	2.92	3.90	5.08	5.85	5.26	4.65	3.01	2.27	3.31
22	1974	1.67	1.77	1.77	2.11	2.89	3.60	5.40	6.57	5.95	4.54	2.87	2.09	3.45
23	1975	1.75	1.68	1.72	2.10	2.53	-	-	-	-	4.17	2.84	2.04	-
24	1976	1.66	1.58	1.76	2.03	2.53	-	-	-	-	3.52	2.43	2.07	-
25	1977	1.57	1.49	1.66	2.38	3.10	4.24	4.93	5.54	5.34	4.08	2.64	2.02	3.25
26	1978	1.64	1.58	1.62	1.94	2.71	3.88	4.83	5.21	4.72	3.75	2.43	1.91	3.02
27	1979	1.66	1.46	1.64	2.22	2.52	3.29	4.83	5.54	5.29	3.69	2.48	2.00	-
28	1980	1.61	1.53	-	1.59	2.94	3.73	4.72	6.08	5.79	4.28	2.79	2.07	-
29	1981	1.69	1.59	1.69	2.22	2.52	3.29	4.83	5.54	5.29	3.69	2.48	2.00	-
30	1982	1.65	1.55	1.54	2.16	2.52	3.35	4.67	5.09	4.92	3.52	2.26	1.89	2.93
31	1983	1.66	1.54	1.88	2.14	2.84	3.43	4.58	5.20	5.60	4.96	3.08	2.09	3.25
32	1984	1.80	1.61	1.77	2.15	3.00	4.40	5.33	5.72	5.76	4.54	2.59	1.99	3.39
33	1985	1.66	1.61	1.95	2.19	2.57	3.93	4.89	5.25	5.05	4.39	2.85	2.11	3.20
34	1986	1.71	1.55	1.63	2.12	2.46	2.86	4.43	4.87	4.93	4.76	3.09	2.01	3.04
35	1987	1.66	1.61	1.64	2.10	2.31	3.24	4.92	6.55	6.13	4.78	2.86	2.15	3.33
36	1988	1.68	1.73	1.79	2.13	2.92	4.23	5.43	5.88	6.93	4.29	2.73	2.25	3.50
37	1989	1.67	1.70	1.67	1.00	2.66	3.85	4.86	4.93	4.87	4.48	2.79	1.96	3.04
38	1990	1.66	1.63	1.75	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.67	1.58	1.68	2.03	2.64	3.70	5.01	5.82	5.63	4.32	2.71	2.00	3.23
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.042$														
where, X : above raw data Y : revised data														

4.3 Monthly Average of Daily Low Water Level

MONTHLY AVERAGE OF DAILY LWL													
STATION : NO.7 PUBAIL (BWDB)		RIVER : BALU											
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	(Unit : PWD in m) AVER.
1	1945	-	-	-	-	-	-	-	-	-	-	-	-
2	1946	1.11	0.91	1.03	-	-	-	-	-	-	-	-	-
3	1947	-	-	1.43	1.91	3.17	4.33	4.98	5.29	4.98	4.37	2.82	1.42
4	1948	1.01	0.96	0.94	1.36	2.48	3.91	4.96	5.67	4.99	4.62	2.75	1.45
5	1949	-	-	-	-	-	-	-	-	-	-	-	2.93
6	1950	1.05	0.98	1.01	1.33	1.78	3.14	4.61	5.15	5.22	3.73	2.59	1.28
7	1951	-	-	-	-	-	-	-	-	-	-	-	-
8	1952	0.74	0.64	0.71	1.04	1.85	2.85	4.33	4.61	5.12	4.78	3.21	1.63
9	1953	0.97	0.89	-	-	-	-	-	-	-	-	-	-
10	1954	-	-	-	-	1.99	3.63	5.17	6.32	5.94	4.39	2.67	1.43
11	1955	-	-	2.17	2.53	-	-	-	-	-	-	-	-
12	1956	2.06	1.90	1.29	1.59	-	4.87	5.95	5.67	5.96	4.60	3.20	1.88
13	1957	1.46	1.39	1.29	1.59	-	3.42	4.72	5.60	4.86	3.73	2.29	1.49
14	1958	1.27	1.22	1.22	1.52	2.57	3.31	4.17	5.60	6.17	4.97	3.36	3.09
15	1959	1.47	1.35	1.53	1.91	2.72	4.07	5.22	5.60	5.29	4.89	3.40	2.08
16	1960	1.45	1.37	1.30	1.57	2.12	3.49	4.84	5.63	5.76	5.16	2.97	1.95
17	1961	1.48	1.32	1.90	1.90	2.71	4.09	4.54	5.18	5.49	-	-	-
18	1962	-	-	1.88	1.88	2.44	3.92	5.37	5.80	6.60	4.82	2.89	1.88
19	1963	1.49	1.40	1.37	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	-	-	-	-	-	-	-	-	-
25	1969	-	-	-	1.85	2.20	3.70	5.16	5.97	5.99	4.55	2.80	1.93
26	1970	1.52	1.39	1.49	2.00	2.93	3.89	5.26	6.53	5.59	5.41	3.49	2.18
27	1971	1.73	1.51	1.96	1.96	2.54	3.76	5.27	6.05	6.59	4.85	3.52	3.40
28	1972	1.75	1.36	1.46	2.01	2.70	3.61	4.71	5.39	4.90	3.86	2.40	1.73
29	1973	1.33	1.28	1.42	2.01	3.24	4.17	5.39	5.86	5.51	4.99	3.34	2.42
30	1974	1.73	1.38	1.38	1.73	3.00	3.80	5.65	6.69	6.14	4.98	3.23	3.52
31	1975	1.53	1.40	1.39	1.86	2.45	3.28	4.65	5.48	5.31	4.71	3.20	2.06
32	1976	1.50	1.32	1.45	1.78	2.49	3.86	5.24	5.22	5.13	3.91	2.51	1.96
33	1977	1.43	1.27	1.49	2.37	3.26	4.43	5.15	5.67	5.62	4.53	3.03	2.06
34	1978	1.47	1.33	1.30	-	-	-	-	-	-	-	-	3.36
35	1979	-	-	-	-	-	-	-	-	-	-	-	-
36	1980	-	-	-	1.66	2.90	3.85	4.68	5.77	5.90	4.63	3.08	2.04
37	1981	1.56	1.42	1.41	-	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	1.98	2.91	3.50	4.72	5.46	5.75	5.29	3.38	2.06
40	1984	1.62	1.30	1.43	1.93	3.19	4.83	5.42	5.83	5.74	4.85	2.81	1.84
41	1985	1.38	1.28	1.66	2.04	2.63	3.96	5.02	5.43	5.20	4.61	3.10	2.03
42	1986	1.45	1.22	1.34	1.92	2.52	2.73	4.52	5.04	5.07	5.17	3.56	2.07
43	1987	1.40	1.30	1.92	1.92	2.51	3.15	4.94	5.10	5.10	4.50	2.22	3.31
44	1988	1.62	1.42	1.58	1.98	2.98	4.45	5.53	5.79	6.63	4.54	2.88	2.43
45	1989	1.44	1.40	1.36	1.76	2.56	3.94	4.96	5.08	4.99	4.76	3.15	1.85
46	1990	1.40	1.31	1.53	-	-	-	-	-	-	-	-	3.10
AVER(1)		1.43	1.28	1.39	1.83	2.58	3.75	4.96	5.63	5.58	4.67	3.03	1.91
AVER(1)		1.43	1.28	1.39	1.83	2.58	3.75	4.96	5.63	5.58	4.67	3.03	1.91
Notes: 1) AVER(1) is average of all the data.													

MONTHLY AVERAGE OF DAILY LWL														
STATION : NO.7.5 DEMRA (BWDB)														
RIVER : BALU														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
														(Unit : PWD in m)
1	1962	-	-	-	1.63	2.13	3.64	5.01	5.39	5.91	4.04	2.27	1.55	-
2	1963	-	-	-	1.46	2.00	3.72	5.13	5.62	5.42	4.01	2.58	1.59	-
3	1964	1.21	1.11	1.24	2.07	2.73	3.56	5.14	5.99	5.54	4.64	2.95	1.85	3.17
4	1965	1.21	1.25	1.24	1.38	2.40	3.56	4.61	5.34	5.86	3.95	2.27	1.73	2.85
5	1966	1.41	1.17	1.30	1.67	2.06	2.80	4.93	5.34	5.86	3.95	2.27	1.73	2.83
6	1967	1.43	1.33	1.38	1.61	2.29	3.21	4.73	5.01	4.73	4.10	2.17	1.61	2.80
7	1968	1.32	1.25	1.31	1.63	2.21	3.63	5.36	5.61	4.86	3.39	2.31	1.41	2.86
8	1969	1.13	1.02	1.14	-	-	-	-	-	-	3.76	2.21	1.56	-
9	1970	1.21	1.10	1.24	1.69	2.75	3.72	5.03	6.03	5.14	4.83	2.85	-	-
10	1971	-	-	-	1.62	2.14	3.65	4.98	5.66	5.58	4.62	2.93	1.79	-
11	1972	1.41	1.11	1.26	1.72	2.51	3.42	4.52	5.02	4.50	3.23	1.93	1.40	2.67
12	1973	1.08	1.03	1.11	1.75	2.75	3.87	4.94	5.55	5.04	4.48	2.80	1.97	3.03
13	1974	1.16	1.16	1.34	1.75	2.83	3.62	5.40	6.24	5.70	4.47	2.66	1.65	3.19
14	1975	1.26	1.18	1.21	1.64	2.25	3.06	4.46	5.20	5.00	4.17	2.66	1.69	2.82
15	1976	1.25	1.09	1.24	1.56	2.19	3.59	5.08	4.97	4.84	3.36	2.08	1.63	2.74
16	1977	1.21	1.10	1.29	2.12	3.07	4.35	5.02	5.53	5.29	4.13	2.51	1.72	3.11
17	1978	1.22	1.12	1.14	-	-	-	-	-	-	-	-	-	-
18	1979	-	-	-	1.49	2.14	2.59	4.38	5.16	5.02	4.24	2.31	1.69	-
19	1980	1.21	1.11	1.28	-	-	-	-	-	-	-	-	-	-
20	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1982	-	-	-	1.63	2.12	3.16	4.74	5.11	4.91	3.33	1.96	1.44	-
22	1983	1.16	1.01	1.65	1.86	2.62	3.26	4.53	5.17	5.49	4.68	2.90	2.07	3.05
23	1984	1.77	1.32	1.49	2.24	2.94	3.99	5.26	5.64	5.70	4.62	2.50	1.74	3.27
24	1985	1.28	1.25	1.66	2.00	2.39	3.82	4.86	5.14	4.97	4.28	2.59	1.74	3.00
25	1986	1.26	1.07	1.24	1.82	2.24	2.61	4.41	4.75	4.84	4.58	2.82	1.63	2.77
26	1987	1.21	1.14	1.14	1.76	2.10	3.13	4.85	6.16	5.85	4.59	2.64	1.83	3.03
27	1988	1.33	1.24	1.38	1.78	2.79	4.16	5.39	5.68	6.38	4.20	2.47	1.87	3.22
28	1989	1.25	1.25	1.27	1.73	2.39	3.76	4.83	4.90	4.83	4.36	2.55	1.55	2.89
29	1990	1.19	1.13	1.30	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.29	1.15	1.30	1.74	2.42	3.49	4.90	5.43	5.28	4.16	2.49	1.68	2.96
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.007$														
where, X : above raw data Y : revised data														

MONTHLY AVERAGE OF DAILY LWL														
STATION : NO.14.5 NAYARHAT (BWDB)														
RIVER : BANGSHI														
NO.	YEAR	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1964				2.42	3.36	4.45	6.52	7.56	6.97	5.92	3.73	2.42	
2	1965	1.90	1.75	1.66	2.07	3.23	4.57	5.99	6.86	6.84	4.99	3.19	2.25	3.77
3	1966	1.91	1.72	1.74	2.09	2.68	4.97	6.26	6.86	7.56	5.29	2.97	2.24	3.86
4	1967	1.71	1.77	1.77	1.96	2.85	4.37	6.28	6.54	6.16	5.62	3.24	1.87	3.68
5	1968	1.86	1.87	1.86	2.40	3.18	4.99	6.95	7.32	6.41	6.07	3.40	2.28	3.45
6	1969	1.87	1.73	1.76	2.15	2.95	4.99	6.60	7.21	7.23	5.05	2.98	3.90	3.90
7	1970	1.87	1.68	1.74	2.39	3.79	4.91	6.50	8.09	6.45	6.34	3.52	2.38	4.14
8	1971	1.99	1.72	-	-	-	-	-	-	-	-	-	-	-
9	1972	-	-	-	2.12	3.34	4.65	5.72	6.54	5.95	4.62	2.72	2.04	-
10	1973	1.69	1.48	1.55	2.18	3.47	5.06	6.28	7.16	6.43	5.69	3.27	2.44	3.89
11	1974	2.00	1.62	1.69	2.25	3.39	4.45	6.58	7.86	7.34	5.63	3.31	2.20	4.03
12	1975	1.78	1.61	1.55	1.97	2.64	-	-	-	-	5.33	3.25	2.31	-
13	1976	1.89	1.59	1.65	1.92	2.66	4.48	6.04	5.99	5.92	4.30	2.63	2.14	3.43
14	1977	1.70	1.49	1.65	2.52	3.72	5.28	6.00	6.72	6.59	5.25	3.01	2.23	3.85
15	1978	1.51	1.51	1.86	2.96	2.96	4.75	5.98	6.29	5.79	4.53	2.65	2.06	3.47
16	1979	1.69	1.41	1.50	1.79	2.43	2.91	5.12	6.12	6.32	5.25	2.83	2.16	3.27
17	1980	1.70	1.45	1.55	1.88	3.30	4.47	5.70	7.32	6.96	5.35	3.19	2.25	3.76
18	1981	1.80	1.56	1.57	2.34	2.68	3.73	5.83	6.55	6.39	4.37	2.66	-	-
19	1982	1.65	1.68	1.44	2.12	2.79	3.92	5.68	6.00	5.84	4.35	2.54	1.93	3.37
20	1983	1.66	1.38	1.78	2.12	3.14	4.15	5.55	6.20	6.66	4.19	3.51	2.21	3.71
21	1984	1.87	1.54	1.58	2.07	3.38	5.39	6.49	7.02	7.01	5.68	3.05	2.11	3.93
22	1985	1.67	1.47	1.85	2.19	2.84	4.78	6.02	6.41	6.26	5.42	3.25	2.22	3.70
23	1986	1.71	1.39	1.48	2.04	2.61	3.11	5.45	5.93	6.10	6.07	3.67	2.25	3.48
24	1987	1.75	1.53	1.49	2.07	2.41	3.74	5.85	7.82	7.35	5.90	3.28	2.28	3.79
25	1988	1.80	1.58	1.64	2.09	3.14	4.96	6.43	7.01	8.17	5.19	3.09	2.60	3.98
26	1989	1.76	1.61	1.57	1.92	2.71	4.51	5.76	5.80	5.81	5.47	3.31	2.10	3.53
27	1990	1.72	1.53	1.69	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.82	1.58	1.64	2.12	3.03	4.48	6.07	6.78	6.59	5.35	3.13	2.22	3.71
Notes: 1) AVER(1) is average of all the data.														

MONTHLY AVERAGE OF DAILY LWL													
STATION : NO.42 MILL BARAK (BWDB)													
RIVER : BURIGANGA													
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	(Unit : PWD in m)
													DEC. AVER.
1	1945				1.49	1.97		4.55	5.68	5.66	4.46		1.56
2	1946	1.14	1.00	1.05	1.47	2.34	3.65	5.06	5.45	4.89	4.34		1.65
3	1947	1.13	0.92	1.06	1.55	2.07	3.49	4.72	5.45	4.99	4.31		1.38
4	1948	1.03	0.98	1.00	1.41	2.65		5.20	6.01	5.14	4.46		1.44
5	1949	1.02	0.91	1.02	1.58	2.66		5.33	5.63	5.65	4.45	2.65	1.54
6	1950	1.01	0.92	0.99	1.34	1.79	3.22	4.86	5.18	5.40	3.77	2.32	1.66 2.71
7	1951	1.17	0.94	1.20	1.36	1.38	1.85	3.78					1.59
8	1952		1.02		1.15	1.71	3.05	4.48	4.55	5.18	4.41	2.71	1.48
9	1953	0.98	1.02	1.30	1.57	2.09	3.29	4.55	5.38	5.07	4.44	2.27	1.37 2.78
10	1954	0.98	1.05	1.00	1.50	2.21	3.71	5.53	6.71	6.05	4.54	2.55	1.41 3.10
11	1955	1.10	1.01	1.19	1.70	2.15	3.45		6.68	5.39	3.90	2.58	1.43
12	1956	0.94	0.81	0.97	1.23	2.76	4.26	5.26	5.04	5.24	3.68	2.47	1.20 2.82
13	1957	0.75	0.69	0.59	0.85	1.88	2.69	4.07	5.00	4.06	2.89	1.54	0.92 2.16
14	1958	0.70	0.66	0.88	1.21	2.36	2.99	3.92	5.22	5.67	4.26	2.57	1.49 2.66
15	1959				1.49	2.41	4.61	4.82	5.27	4.68	4.24	2.64	1.39
16	1960	0.91	0.83	0.78	1.05	1.61	2.98	4.37	5.25	5.57	4.42	2.12	1.34 2.60
17	1961	0.98	0.79	1.38	1.43	2.14	3.52	4.10	4.87	5.11			
18	1962												
19	1963												
20	1964												
21	1965												
22	1966												
23	1967												
24	1968				1.47	2.10	3.52	5.39	5.76	4.92	4.45	2.29	1.39
25	1969	1.03	0.95	1.04	1.30	1.73	3.34	4.88	5.52	5.54	3.76	2.13	1.40 2.72
26	1970	1.07	0.90	1.06	1.60	2.62	3.57	4.94	6.20	5.10	4.76	2.76	1.65 3.02
27	1971	1.23	1.10	0.83	1.15	1.79	3.26	4.89	5.80	5.69	4.56	2.79	1.58 2.89
28	1972	1.20	0.88	1.01	1.53	2.37	3.29	4.36	4.92	4.39	3.14	1.76	1.19 2.50
29	1973	0.85	0.76	0.81	1.55	2.50	3.66	4.74	5.47	4.94	4.35	2.67	1.76 2.84
30	1974	1.22	0.95	1.17	1.60	2.62	3.42	5.16	6.20	5.63	4.28	2.53	1.50 3.02
31	1975	1.11	0.98	0.98	1.48	2.09	2.90	4.26	5.03	4.86	4.00	2.52	1.58 2.65
32	1976	1.07	0.91	1.12	1.42	2.05	3.29	4.78	4.74	4.64	3.13	1.88	1.44 2.54
33	1977	0.94	0.85	1.05	1.84	2.68	3.92	4.63	5.25	5.00	3.75	2.24	1.53 2.81
34	1978	1.02	0.86	0.85	1.18	2.10	3.53	4.53	4.96	4.48	3.41	1.95	1.29 2.51
35	1979	0.97	0.71	0.83	1.15	1.80	2.23	3.93	4.75	4.59	3.82	1.96	1.37 2.34
36	1980	0.93											
37	1981				1.49	1.91	2.84	4.50	5.18	4.92	3.27	1.91	1.39
38	1982	0.93	0.74	0.84									
39	1983				1.43	2.37	3.11	4.35	4.94	5.38	4.64	2.68	1.50
40	1984	1.18	0.91	1.00	1.44	2.49	4.02	4.97	5.27	5.34	4.09	2.05	1.30 2.84
41	1985	0.92	0.81	1.08	1.36	1.99	3.49	4.56	4.89	4.73	4.07	2.30	1.40 2.63
42	1986	0.91	0.73	0.84	1.31	1.88	2.29	4.08	4.54	4.59	4.28	2.55	1.35 2.45
43	1987	0.95	0.84	0.85	1.46	1.76	2.81	4.59	6.06	5.72	4.32	2.36	1.48 2.77
44	1988	1.09	1.00	1.13	1.49	2.43	3.85	5.09	5.50	6.32	3.86	2.15	1.52 2.95
45	1989	0.92	0.92	0.98	1.25	2.00	3.40	4.47	4.58	4.51	4.00	2.16	1.29 2.54
46	1990	0.95	0.88	1.09									
AVER(1)		1.01	0.89	1.00	1.40	2.15	3.31	4.66	5.36	5.14	4.07	2.32	1.44 2.70
Notes:													
1) AVER(1) is average of all the data.													
2) Above data are necessary to be revised by using following equation to get the correct elevation.													
$Y=X-0.037$													
where, X : above raw data Y : revised data													

MONTHLY AVERAGE OF DAILY LWL														
STATION : NO.43 HARIHARPARA (BWDB)														
RIVER : BURIGANGA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1945													
2	1946	0.85	0.88	0.91	1.31	2.11	3.48	4.67	4.90	4.83	4.14	2.52	1.39	
3	1947	0.93	0.65	0.80	1.31	1.34	-	4.29	-	4.62	4.12	-	1.53	-
4	1948	-	-	-	-	-	-	-	-	-	-	-	-	-
5	1949	-	-	-	2.09	2.93	4.05	5.01	5.45	5.44	-	-	-	-
6	1950	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1951	-	-	-	-	-	-	-	-	-	-	-	-	-
8	1952	-	-	-	-	-	-	-	-	-	-	-	-	-
9	1953	-	-	-	1.01	1.57	2.84	4.13	4.98	4.44	3.95	2.09	0.99	-
10	1954	0.68	0.71	0.64	1.05	1.83	3.41	5.03	5.98	5.44	4.14	-	1.11	-
11	1955	0.63	0.54	0.71	1.14	1.78	3.02	4.57	6.08	5.04	3.72	2.32	1.22	2.56
12	1956	0.71	0.93	1.41	1.52	2.34	3.57	4.42	4.30	4.49	3.01	2.27	1.39	2.53
13	1957	0.99	0.85	0.78	0.97	1.99	2.72	3.95	4.73	3.89	2.84	1.57	0.96	2.19
14	1958	0.78	0.71	0.68	1.00	2.12	2.70	3.61	4.76	5.12	-	-	-	-
15	1959	-	-	-	1.24	2.13	3.38	4.48	4.88	4.31	3.89	2.39	1.30	-
16	1960	0.81	0.75	0.61	0.95	1.42	2.79	4.08	4.90	5.15	4.11	1.93	1.21	2.39
17	1961	0.85	0.70	1.31	1.24	1.89	3.21	3.78	4.53	4.72	-	-	-	-
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	1.27	1.79	3.17	5.05	5.36	4.51	4.12	2.10	1.15	-
25	1969	0.96	0.81	0.87	1.18	1.62	3.19	4.62	5.20	5.20	3.53	1.93	1.27	2.53
26	1970	0.95	0.80	1.02	1.42	2.42	3.29	4.66	5.78	4.86	4.52	2.55	1.52	2.82
27	1971	1.14	0.92	0.81	1.19	1.73	3.23	4.68	4.45	5.33	4.29	2.64	1.22	2.64
28	1972	0.92	0.84	0.90	1.30	2.04	2.93	4.12	4.64	4.14	2.95	1.61	1.20	2.30
29	1973	0.74	0.72	0.80	1.37	2.38	3.48	4.48	5.14	4.67	4.12	2.65	1.82	2.70
30	1974	1.13	0.93	1.06	1.38	2.37	3.20	4.88	5.85	5.24	4.00	2.37	1.35	2.81
31	1975	1.01	0.85	0.83	1.15	1.93	2.79	4.06	4.84	4.64	3.81	2.36	1.34	2.47
32	1976	0.88	0.71	0.88	1.12	1.74	3.01	4.55	4.47	4.38	3.04	1.73	1.25	2.31
33	1977	0.84	0.73	0.81	1.66	2.42	3.70	4.38	4.98	4.76	3.58	2.22	1.47	2.63
34	1978	0.90	0.68	0.70	0.67	1.98	3.35	4.31	4.70	4.29	3.25	1.93	1.21	2.33
35	1979	0.70	0.57	0.54	0.90	1.22	2.01	3.57	4.55	4.39	3.68	1.92	1.29	2.11
36	1980	0.81	0.44	0.60	0.70	2.22	3.13	4.27	5.27	5.01	3.68	2.19	1.29	-
37	1981	1.02	0.73	0.95	-	-	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	1.21	2.21	2.86	4.10	4.61	5.09	4.27	2.76	1.39	-
40	1984	1.03	0.86	0.84	1.18	2.27	3.75	4.74	5.01	5.09	3.85	1.86	1.23	2.64
41	1985	0.83	0.80	1.03	0.60	1.85	3.29	4.35	4.60	4.47	3.86	2.16	1.39	2.44
42	1986	0.89	0.78	0.73	1.22	1.75	2.04	3.93	4.35	4.34	4.01	2.47	1.38	2.32
43	1987	0.88	0.71	0.73	1.38	1.52	2.49	4.30	5.74	5.42	4.07	2.26	1.45	2.58
44	1988	0.99	0.83	0.89	1.31	2.10	3.46	4.66	5.10	5.93	3.71	2.10	1.47	2.71
45	1989	0.67	0.66	0.61	1.18	1.98	3.13	4.15	4.28	4.20	3.71	1.98	1.05	2.30
46	1990	0.89	0.91	0.81	-	-	-	-	-	-	-	-	-	-
AVER(1)		0.88	0.76	0.84	1.19	1.97	3.12	4.37	4.98	4.80	3.79	2.18	1.30	2.49
Notes: 1) AVER(1) is average of all the data.														

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE OF DAILY LWL																							
STATION : NO 69 SAVAR (BWDB)																							
RIVER : DHALESWARI																							
NO	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP.	OCT.	NOV.	DEC.	AVER									
1	1945				1.94	2.35	4.22	5.84	7.03	6.88	-	3.32	-	-									
2	1946	1.56	1.41	1.43	1.96	2.58	4.68	6.28	6.49	5.88	5.21	3.39	2.01	3.57									
3	1947	1.46	1.28	1.37	1.92	2.59	4.33	5.81	6.68	6.15	5.38	3.30	1.92	3.52									
4	1948	1.44	1.32	1.41	1.96	3.47	-	6.55	7.02	6.20	5.59	-	-	-									
5	1949	1.44	1.26	1.45	2.15	3.23	4.71	6.49	6.73	6.78	5.39	3.10	1.78	3.71									
6	1950	1.30	1.16	1.21	1.64	2.35	4.53	-	6.33	6.58	4.46	2.96	1.97	-									
7	1951	1.46	1.42	1.46	1.86	2.56	4.46	6.73	6.55	6.54	4.93	2.53	2.09	3.55									
8	1952	-	-	-	1.49	2.15	4.10	6.29	6.07	6.90	6.05	3.30	1.89	-									
9	1953	1.33	1.31	1.61	2.18	2.72	4.37	5.93	6.68	6.34	5.51	2.73	1.72	3.54									
10	1954	1.25	1.35	1.37	1.96	3.10	5.06	6.93	7.96	7.10	5.72	3.17	2.11	3.92									
11	1955	1.55	1.39	1.61	2.10	2.73	4.35	6.38	7.87	6.25	4.60	2.69	1.99	3.63									
12	1956	1.56	1.40	1.55	1.96	3.92	5.29	6.28	6.07	6.50	4.74	3.00	2.06	3.69									
13	1957	1.76	1.63	1.57	1.90	3.19	4.06	5.60	6.73	5.47	4.14	2.34	1.62	3.33									
14	1958	1.42	1.40	1.38	1.71	3.10	3.86	5.10	6.64	7.10	-	-	-	-									
15	1959	1.50	1.39	1.57	1.98	3.39	4.72	6.06	6.64	5.85	5.35	3.33	2.10	3.66									
16	1960	1.65	1.50	1.50	1.77	2.45	4.32	5.94	6.78	7.07	5.72	2.88	1.98	3.63									
17	1961	1.63	1.47	1.96	2.12	3.33	5.08	5.83	6.69	6.80	5.80	3.50	2.11	3.86									
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-									
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-									
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-									
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-									
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-									
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-									
24	1968	-	-	-	2.39	3.21	5.02	6.80	7.11	6.31	6.02	3.54	2.54	-									
25	1969	2.19	1.86	1.74	2.14	2.86	4.83	6.30	6.79	6.79	4.91	2.94	2.26	3.80									
26	1970	1.87	1.67	1.70	2.44	3.74	4.83	6.23	7.53	5.90	6.07	3.55	2.25	3.98									
27	1971	1.94	1.67	1.59	2.09	2.58	4.50	6.23	6.99	6.79	5.82	3.75	2.38	3.86									
28	1972	1.98	1.59	1.60	2.06	3.29	4.57	5.59	6.25	5.76	4.78	3.61	1.95	3.59									
29	1973	1.61	1.41	1.50	2.13	3.44	4.95	6.05	6.83	6.17	5.58	3.30	2.40	3.78									
30	1974	1.98	1.62	1.67	2.25	3.49	4.44	6.35	7.36	6.96	5.53	3.34	2.21	3.93									
31	1975	1.57	1.57	1.35	1.85	2.72	-	-	-	-	-	-	2.34	-									
32	1976	1.92	1.61	1.60	1.88	2.66	4.48	5.95	5.66	5.79	4.32	2.64	2.14	3.40									
33	1977	1.58	1.36	1.58	2.57	3.68	5.17	5.85	6.52	6.38	5.17	2.98	2.20	3.75									
34	1978	1.71	1.46	1.42	1.78	2.84	4.65	5.79	6.12	5.63	4.50	2.75	2.38	3.42									
35	1979	2.08	1.67	1.36	-	-	-	-	-	-	-	-	-	-									
36	1980	-	-	-	-	-	-	-	-	-	-	-	-	-									
37	1981	-	-	-	-	-	-	-	-	-	-	-	-	-									
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	-									
39	1983	-	-	-	2.32	3.34	4.35	5.75	6.34	6.54	5.97	3.44	2.13	-									
40	1984	1.84	1.58	1.68	2.15	3.37	5.29	6.26	6.67	6.66	5.51	3.09	2.08	3.85									
41	1985	1.66	1.46	1.83	2.30	2.82	4.72	5.86	6.14	5.96	5.29	3.20	2.18	3.62									
42	1986	1.68	1.38	1.44	1.99	2.61	3.19	5.53	5.99	6.11	6.04	3.96	2.20	3.51									
43	1987	1.72	1.47	1.43	2.20	2.47	3.89	5.91	7.55	7.05	5.72	3.22	2.22	3.74									
44	1988	1.82	1.57	1.66	2.09	3.09	4.97	6.28	6.83	7.78	5.25	3.53	2.59	3.96									
45	1989	2.02	1.71	1.83	2.17	3.01	4.69	5.92	5.93	5.94	5.61	3.28	2.10	3.68									
46	1990	1.82	1.52	1.69	-	-	-	-	-	-	-	-	-	-									
AVER(1)		1.68	1.48	1.55	2.04	2.98	4.57	6.08	6.70	6.44	5.33	3.18	2.12	3.68									

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE OF DAILY LWL												
STATION : NO. 70 KALATIA(BWDB)												
RIVER : DHALESWARI												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
1	1968				1.98	2.71	4.26	5.99	6.23	5.48	5.12	2.90
2	1969	1.50	1.36	1.46	1.78	2.41	4.13	5.60	6.07	6.06	4.31	2.63
3	1970	1.54	1.31	1.44	1.96	3.12	4.21	5.60	6.76	5.67	5.34	3.35
4	1971	1.59	1.51	1.35	1.73	2.44	3.98	5.61	6.42	6.21	5.20	4.21
5	1972	1.60	1.36	1.45	1.91	2.82	4.02	4.97	5.57	5.09	3.89	2.29
6	1973	1.31	1.26	1.29	1.90	2.97	4.38	5.41	6.19	5.68	4.99	3.13
7	1974	1.64	1.36	1.60	1.88	3.08	4.02	5.74	6.66	6.20	4.93	2.93
8	1975	2.48	1.29	1.12	1.84	2.35	3.48	4.98	5.63	5.49	4.71	2.94
9	1976	1.57	1.42	1.44	-	-	-	-	-	-	-	-
10	1977	-	-	-	2.25	3.35	4.63	5.26	5.99	5.75	4.59	2.76
11	1978	1.46	1.33	1.34	1.62	2.45	4.15	5.22	5.61	5.19	4.12	2.33
12	1979	1.43	1.26	1.32	-	-	-	-	-	-	-	-
13	1980	-	-	-	1.68	3.00	4.02	5.16	6.39	5.95	4.56	2.64
14	1981	1.32	1.17	1.23	-	-	-	-	-	-	-	-
15	1982	-	-	-	-	-	-	-	-	-	-	-
16	1983	-	-	-	1.87	2.86	3.83	5.06	5.36	5.95	5.37	3.09
17	1984	1.57	1.39	1.44	1.93	3.16	4.81	5.81	6.32	6.38	5.25	2.96
18	1985	1.50	1.37	1.67	2.11	2.69	4.24	5.37	5.67	5.64	4.99	3.01
19	1986	1.42	1.24	1.32	1.83	2.41	2.82	5.22	5.77	5.87	5.35	3.36
20	1987	1.50	1.42	1.41	2.02	2.40	3.69	5.61	6.88	6.52	5.26	3.12
21	1988	1.57	1.47	1.50	1.81	2.80	4.42	5.73	6.26	7.51	5.13	3.23
22	1989	1.49	1.61	1.57	1.93	2.68	4.25	5.46	5.52	5.53	5.16	3.06
23	1990	1.66	1.36	1.52	-	-	-	-	-	-	-	-
AVER(1)		1.56	1.36	1.42	1.89	2.76	4.07	5.43	6.07	5.90	4.90	3.00
AVER(1)												
Notes:		1) AVER(1) is average of all the data.										
		(Unit : PWD in m)										
		DEC. 1.91										
		AVER. 3.27										
		3.53										
		3.57										
		3.05										
		3.39										
		3.52										
		3.19										
		1.90										
		1.71										
		1.69										
		1.86										
		1.96										
		1.94										
		1.98										
		2.08										
		2.05										
		1.89										
		3.35										
		3.37										

MONTHLY AVERAGE OF DAILY LWL														
STATION : NO.71 KALAGACHIA(BWDB)														
RIVER : DHALESWARI														
NO	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1977	-	-	-	-	2.59	3.76	4.35	4.92	4.58	3.39	2.15	1.38	-
2	1978	0.90	0.77	0.79	1.13	2.04	3.40	4.26	4.66	4.23	3.23	1.93	1.25	2.38
3	1979	0.90	0.69	0.77	-	-	-	-	-	-	-	-	-	-
4	1980	-	-	-	1.27	2.30	3.19	4.13	-	-	-	-	-	-
5	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1983	-	-	-	1.41	2.16	2.86	3.99	4.54	4.79	4.18	2.88	1.49	2.36
8	1984	1.08	0.85	0.65	1.22	2.35	3.75	4.60	4.73	4.76	3.67	2.02	1.27	2.58
9	1985	0.92	0.82	1.05	1.32	1.82	3.07	4.14	4.47	4.23	3.79	2.24	1.44	2.44
10	1986	0.96	0.72	0.81	1.16	1.74	2.12	3.65	4.18	4.24	3.79	2.37	1.48	2.27
11	1987	1.03	0.93	0.95	1.50	1.89	2.55	4.30	5.56	5.29	3.92	2.24	1.44	2.63
12	1988	0.96	0.90	0.99	1.42	2.29	3.43	4.40	4.76	5.17	3.29	1.84	1.29	2.56
13	1989	0.63	0.95	0.88	1.29	2.11	3.25	4.23	4.35	4.28	3.75	2.18	1.22	2.43
14	1990	0.92	0.62	0.66	-	-	-	-	-	-	-	-	-	-
AVER(1)		0.92	0.81	0.84	1.30	2.13	3.14	4.21	4.69	4.62	3.67	2.21	1.36	2.46
Notes:		1) AVER(1) is average of all the data.												

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MONTHLY AVERAGE OF DAILY LWL																					
STATION : NO.71A, REKABI BAZAR(BWDB)																					
RIVER : DHALESWARI																					
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.							
(Unit : PWD in m)																					
1	1968				1.56	2.27	3.69	4.99	5.21	4.48	4.01	2.07	1.25	-							
2	1969	1.00	0.92	1.02	1.33	1.75	3.26	4.59	5.04	5.04	3.49	2.02	1.37	2.57							
3	1970	1.04	0.93	1.09	1.54	2.51	3.43	4.65	5.59	4.80	4.41	2.60	1.56	2.85							
4	1971	1.25	1.06	1.07	1.55	1.99	3.35	4.67	5.35	5.24	-	-	-	-							
5	1972	-	-	-	1.47	2.26	3.13	4.15	4.56	4.10	2.94	1.74	1.26	-							
6	1973	0.92	0.83	0.97	1.56	2.44	3.54	4.50	5.07	4.61	4.08	2.55	1.72	2.73							
7	1974	1.23	0.96	1.11	1.52	2.50	3.29	4.82	5.69	5.12	3.94	2.35	1.48	2.83							
8	1975	1.13	1.01	0.97	1.49	2.06	2.79	4.03	4.74	4.55	3.72	2.42	1.52	2.54							
9	1976	1.06	0.89	1.11	-	-	-	-	-	-	-	-	-	-							
10	1977	-	-	-	1.81	2.63	3.72	4.41	4.98	4.66	3.53	2.16	1.48	-							
11	1978	0.97	0.86	0.89	-	-	-	-	-	-	-	-	-	-							
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-							
13	1980	-	-	-	1.36	2.25	3.17	4.10	5.04	4.66	3.37	1.95	1.16	-							
14	1981	0.81	0.64	0.76	-	-	-	-	-	-	-	-	-	-							
15	1982	-	-	-	-	-	-	-	-	-	-	-	-	-							
16	1983	-	-	-	1.52	2.34	3.03	4.20	4.73	5.13	4.26	2.63	1.46	-							
17	1984	1.21	0.99	1.06	1.57	2.53	3.96	4.81	4.95	5.07	3.85	2.02	1.37	2.78							
18	1985	1.17	0.98	1.33	1.67	1.92	3.49	4.46	4.68	4.54	3.95	2.36	1.48	2.67							
19	1986	1.03	0.85	0.97	1.48	1.95	2.40	4.15	4.49	4.41	3.98	2.58	1.51	2.48							
20	1987	1.08	0.98	1.00	1.61	1.88	2.63	4.40	5.66	5.34	4.03	2.32	1.55	2.71							
21	1988	1.06	1.00	1.12	1.51	2.39	3.55	4.72	5.05	5.56	3.60	2.08	1.47	2.76							
22	1989	1.07	1.15	1.05	1.50	2.32	3.42	4.39	4.50	4.42	3.92	2.32	1.43	2.62							
23	1990	1.07	0.96	1.09	-	-	-	-	-	-	-	-	-	-							
AVER(1)		1.07	0.94	1.04	1.53	2.23	3.29	4.47	5.02	4.81	3.82	2.26	1.44	2.69							
Notes: 1) AVER(1) is average of all the data.																					

MONTHLY AVERAGE OF DAILY LWL																							
STATION : NO 275.5 MEGHNA FERRY GHAT (BWDB)																							
RIVER : SURMA-MEGHNA																							
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP.	OCT.	NOV.	DEC.	AVER.	(Unit : PWD in m)								
1	1968				1.47	2.03	3.43	4.91	5.25	4.47	4.03	2.15	1.39	-									
2	1969	1.26	1.04	1.11	1.39	1.61	3.33	4.70	5.15	5.14	3.62	2.21	1.61	2.68									
3	1970	1.27	1.12	1.24	1.70	2.61	3.55	4.80	5.61	4.86	4.50	2.84	1.75	2.99									
4	1971	1.43	1.20	1.18	1.64	1.96	3.10	4.60	5.21	-	-	-	-	-									
5	1972	1.68	1.21	1.20	1.70	2.37	3.27	4.31	4.69	4.10	3.12	1.97	1.43	2.59									
6	1973	1.11	1.01	1.03	1.68	2.62	3.73	4.66	5.14	4.73	4.26	2.81	2.04	2.90									
7	1974	1.46	1.18	1.31	1.70	2.66	3.45	5.00	5.80	5.22	4.18	2.64	1.85	3.04									
8	1975	1.41	1.32	1.31	1.53	2.17	2.92	4.09	4.68	4.68	3.93	2.60	1.66	2.71									
9	1976	1.15	1.02	1.17	1.43	2.12	3.33	4.78	4.66	4.53	3.12	2.04	1.70	2.59									
10	1977	1.18	0.95	1.14	1.97	2.75	3.88	4.64	5.12	4.91	3.70	2.42	1.68	2.86									
11	1978	1.16	1.04	1.06	-	-	-	-	-	-	-	-	-	-									
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-									
13	1980	-	-	-	-	-	-	-	-	-	-	-	-	-									
14	1981	-	-	-	1.62	2.07	2.89	4.49	5.03	4.75	3.34	2.12	1.54	-									
15	1982	1.10	0.90	0.89	1.60	2.07	2.89	4.39	4.76	4.70	3.18	1.82	1.33	2.47									
16	1983	1.11	0.91	1.18	1.56	2.46	3.18	4.39	4.87	5.21	4.40	2.70	1.59	2.80									
17	1984	1.28	1.02	1.09	1.41	2.56	3.95	4.81	4.94	5.12	4.00	2.20	1.50	2.82									
18	1985	1.12	1.06	1.40	1.78	2.19	3.66	4.61	4.81	4.63	4.01	2.48	1.68	2.79									
19	1986	1.19	1.03	1.14	1.68	2.12	2.41	4.09	4.53	4.54	4.16	2.75	1.59	2.60									
20	1987	1.14	1.09	1.13	1.71	2.02	2.98	4.61	5.68	5.38	4.23	2.47	1.71	2.85									
21	1988	1.21	1.13	1.23	1.62	2.63	3.99	5.09	5.35	5.77	3.96	2.33	1.74	3.00									
22	1989	1.13	1.16	1.13	1.56	2.38	3.57	4.58	4.76	4.62	4.15	2.57	1.54	2.76									
23	1990	1.12	1.08	1.22	-	-	-	-	-	-	-	-	-	-									
AVER(1)		1.24	1.08	1.17	1.62	2.28	3.34	4.61	5.06	4.85	3.88	2.40	1.63	2.78									
Notes: 1) AVER(1) is average of all the data.																							

20

	G	D	E	F	G	H	I	J	K	L	M	N	O
1	AVERAGE OF DAILY LWL												
2													
3	NO 299 TONG (BWDB)												
4	NGI KHAL												
5													
6	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	AVER
7													(Unit : PWD in m)
8	1.19	1.06	1.65	1.38	1.94	3.30	4.69	5.52	5.75	4.76	2.55	1.56	-
9	1.43	1.51	1.41	1.62	2.25	3.75	5.37	5.88	6.56	4.41	2.60	1.69	3.21
10	1.29	1.20	1.16	1.42	1.94	3.73	5.28	6.00	5.91	4.23	2.84	1.81	3.07
11	1.39	1.10	1.27	2.08	2.88	3.51	5.32	6.46	5.88	4.95	3.21	1.96	3.33
12	1.37	1.25	1.25	1.60	2.44	3.51	4.81	5.69	5.69	4.10	2.60	1.71	3.00
13	1.32	1.14	1.30	1.63	2.00	3.77	5.06	5.58	6.27	4.26	2.48	1.78	3.05
14	1.42	1.30	1.41	1.56	2.31	3.26	4.92	5.42	5.03	4.50	2.59	1.63	2.95
15	1.31	1.24	1.32	1.67	2.29	3.83	5.63	6.05	5.18	4.78	2.83	1.57	3.14
16	1.24	1.17	1.22	1.60	2.02	3.68	5.19	5.90	5.90	4.15	2.48	1.66	3.02
17	1.29	1.17	1.28	1.81	2.82	3.84	5.30	6.68	5.41	5.21	3.13	1.92	3.32
18	1.49	1.29	-	-	2.84	4.06	5.39	6.12	6.13	5.03	3.46	1.95	-
19	1.55	1.18	1.20	1.85	2.59	3.58	4.70	5.35	4.79	3.64	2.20	1.59	2.85
20	1.30	1.21	1.31	1.80	3.00	4.06	5.20	5.82	5.27	4.71	3.03	2.20	3.24
21	1.65	1.31	1.47	1.95	2.88	3.70	5.54	6.59	6.00	-	2.94	1.85	-
22	1.46	1.31	1.31	1.68	2.32	-	-	-	-	-	-	-	-
23	-	-	-	1.57	2.32	-	-	-	-	-	-	-	-
24	-	-	-	2.18	-	4.28	5.00	5.52	5.36	4.20	2.70	1.87	-
25	1.36	1.19	1.17	1.47	2.67	4.10	4.89	5.23	4.74	3.80	2.37	1.64	2.89
26	1.29	1.05	1.25	1.47	2.08	2.58	4.24	5.12	4.96	4.27	2.61	1.89	2.73
27	1.32	1.16	1.37	1.61	2.77	3.75	4.63	5.89	5.64	4.23	2.64	1.68	3.06
28	1.18	1.00	1.07	-	-	-	-	-	-	-	-	-	-
29	-	-	-	1.70	2.29	3.16	4.62	5.20	4.86	3.56	2.06	1.40	-
30	1.13	0.98	1.34	1.71	2.67	3.28	4.56	5.17	5.52	4.99	3.05	1.81	3.02
31	1.41	1.08	1.18	1.68	2.92	4.38	5.24	5.63	5.56	4.54	2.49	1.61	3.14
32	1.21	1.06	1.40	1.80	2.39	3.78	4.82	5.16	4.98	4.34	2.78	1.81	2.96
33	1.23	1.03	1.15	1.70	2.29	2.54	4.37	4.82	4.88	4.83	3.14	1.81	2.82
34	1.24	1.08	1.11	1.65	2.20	3.09	4.81	6.32	5.97	4.74	2.75	1.86	3.07
35	1.32	1.15	1.31	-	-	-	-	5.84	6.70	-	-	-	-
36	-	-	-	1.57	2.30	3.80	4.80	4.85	4.80	4.52	2.87	1.71	-
37	1.24	1.15	1.41	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1.33	1.17	1.29	1.68	2.44	3.63	4.96	5.67	5.53	4.45	2.74	1.76	3.05
40													
41	1) AVER(1) is average of all the data												
42	2) Above data are necessary to be revised by using following equation to get the correct elevation.												
43	Y = X + 0.122												
44	where, X : above raw data Y : revised data												

MONTHLY AVERAGE OF DAILY LWL														
STATION : NO.302 MIRPUR (BWDB)														
RIVER : TURAG														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1953				1.84	1.42	3.76	4.97	5.93	5.47	4.83	2.57	1.58	
2	1954	1.16	1.26	1.26	1.76	2.55	4.18	5.94	7.29	6.49	4.88	2.84	1.47	3.42
3	1955	1.07	0.96	1.16	1.53	2.13	3.38	5.07	7.19	5.62	4.05	2.84	1.93	3.08
4	1956	1.18		1.21	1.51	3.04	4.54	5.58	5.34	5.64	4.06	2.64		
5	1957		1.18	1.09	1.41	2.44	3.13	4.60	5.66		3.36	1.86	1.20	
6	1958	1.03	0.94	0.96	1.30	2.50	3.14	4.09	5.57	6.20	4.60	2.76	1.56	2.89
7	1959				1.60	2.68	4.21	5.43	5.89	5.18	4.68	2.95	1.58	
8	1960	0.99	0.90	0.82	1.08	1.68	3.23	4.69	5.67	5.95	4.74	2.31	1.43	2.79
9	1961	1.06	0.94	1.47	1.52	2.30	3.75	4.35	5.20	5.49	4.60	2.64	1.43	2.90
10	1962	1.17	1.18	1.14	1.57	2.15	3.68	5.39	6.02	6.69	4.28	2.34	1.52	3.09
11	1963	1.21	1.12	1.06	1.36	1.72	3.53	5.36	6.15	6.08	4.26	2.77	1.83	3.04
12	1964	1.40	1.28	1.52	2.15	2.59	3.39	5.31	6.61	5.98	4.91	3.00	1.79	3.33
13	1965	1.30	1.18	1.18	1.53	2.24	3.42	4.68	5.76	5.72	3.92	2.33	1.69	2.91
14	1966	1.38	1.18	1.29	1.69	2.08	3.87	5.15	5.74	6.42	4.20	2.31	1.74	3.09
15	1967	1.40	1.32	1.35										
16	1968				1.60	2.14	3.72	5.66	6.08	5.15	4.72	2.38	1.33	
17	1969	1.29	1.23	1.30	1.68	2.11	3.85	5.24	5.92	5.95	4.02	2.25	1.49	3.03
18	1970	1.16	1.03	1.09	1.69	2.76	3.79	5.28	6.74	5.39	5.08	2.75	1.69	3.20
19	1971	1.33	1.13											
20	1972				1.58	2.46	3.46	4.64	5.30	4.70	3.37	1.85	1.27	
21	1973	0.92	0.86	0.95	1.64	2.70	3.90	5.08	5.85	5.26	4.61	2.82	1.89	3.04
22	1974	1.36	1.01	1.15	1.65	2.70	3.60	5.40	6.57	5.95	4.50	2.66	1.60	3.18
23	1975	1.16	1.03	1.03	1.55	2.17					4.13	2.56	1.53	
24	1976	1.08	0.91	1.10	1.44	2.11					3.37	2.04	1.51	
25	1977	1.10	0.81	0.99	1.95	2.87	4.17	4.90	5.52	5.32	4.01	2.53	1.54	2.98
26	1978	1.02	0.89	1.28	1.28	2.32	3.88	4.83	5.21	4.72	3.65	2.12	1.37	2.69
27	1979	1.02	0.80	0.95	1.74	2.15	3.10	4.78	5.52	5.27	3.55	2.13	1.53	
28	1980	1.01	0.90	0.86	1.63	2.20	3.11	4.63	5.09	4.90	3.38	1.84	1.26	
29	1981	0.96	0.82	1.23	1.60	2.51	3.25	4.55	5.17	5.58	4.91	2.84	1.56	
30	1982	1.21	0.97	1.09	1.61	2.74	4.34	5.30	5.69	5.73	4.47	2.27	1.99	3.12
31	1983	1.31	1.18	1.55	1.87	2.67	3.34	4.56	5.18	5.59	4.94	2.96	1.82	3.08
32	1984	1.50	1.29	1.43	1.88	2.87	4.37	5.32	5.70	5.74	4.51	2.43	1.70	3.23
33	1985	1.00	0.90	1.27	1.68	2.20	3.77	4.86	5.22	5.03	4.34	2.56	1.60	2.87
34	1986	1.01	0.81	0.96	1.52	2.08	2.46	4.36	4.83	4.90	4.72	2.90	1.52	2.67
35	1987	1.02	0.95	0.94	1.61	1.96	3.05	4.87	6.51	6.10	4.73	2.62	1.72	3.01
36	1988	1.18	1.09	1.19	1.61	2.66	4.15	5.40	5.83	6.85	4.20	2.44	1.81	3.20
37	1989	1.11	1.08	1.11	0.75	2.32	3.76	4.82	4.91	4.85	4.42	2.53	1.39	2.75
38	1990	1.04	0.98	1.10										
AVER(1)		1.16	1.03	1.14	1.58	2.35	3.64	5.00	5.78	5.62	4.31	2.50	1.58	3.02
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.042$														
where, X : above raw data Y : revised data														

4.4 Monthly Average Water Level

MONTHLY AVERAGE WATER LEVEL												
STATION : NO.7 PUBAIL (BWDB)												
RIVER : BALU												
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV
1	1945	-	-	-	-	-	-	4.22	5.44	5.51	-	-
2	1946	1.13	0.94	1.06	-	-	-	-	-	-	-	-
3	1947	-	-	-	1.46	1.93	3.17	4.33	5.29	4.98	4.37	2.82
4	1948	1.04	0.99	0.97	1.39	2.50	3.91	4.96	5.67	4.99	4.62	2.75
5	1949	-	-	-	-	-	-	-	-	-	-	-
6	1950	1.10	1.04	1.06	1.40	1.82	3.14	4.61	5.15	5.22	3.73	2.59
7	1951	-	-	-	-	-	-	-	-	-	-	-
8	1952	0.79	0.68	0.77	1.09	1.86	2.85	4.33	4.61	5.12	4.78	3.21
9	1953	1.01	0.97	-	-	-	-	-	-	-	-	-
10	1954	-	-	-	-	2.02	3.63	5.17	6.32	5.94	4.39	2.67
11	1955	-	-	-	-	-	-	-	-	-	-	-
12	1956	2.15	1.97	2.24	2.59	-	4.87	5.95	5.67	5.96	4.60	3.20
13	1957	1.53	1.47	1.39	1.70	-	3.42	4.72	5.60	4.86	3.73	2.32
14	1958	1.36	1.30	1.30	1.62	2.60	3.31	4.17	5.30	6.17	4.97	3.36
15	1959	1.55	1.43	1.61	1.97	2.75	4.07	5.22	5.60	5.29	4.89	3.40
16	1960	1.53	1.45	1.40	1.65	2.17	3.49	4.84	5.63	5.76	5.16	2.97
17	1961	1.57	1.41	1.97	1.98	2.71	4.09	4.54	5.18	5.49	-	-
18	1962	-	-	-	1.98	2.48	3.92	5.37	5.80	6.60	4.82	2.91
19	1963	1.59	1.49	1.48	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	-	-	-	-	-	-	-	-
25	1969	-	-	-	1.93	2.26	3.72	5.17	5.98	6.00	4.57	2.82
26	1970	1.59	1.47	1.59	2.08	2.96	3.91	5.28	6.54	5.60	5.93	3.50
27	1971	1.80	1.57	1.45	2.02	2.56	3.78	5.26	6.06	6.07	4.86	3.53
28	1972	1.83	1.45	1.57	2.08	2.73	3.62	4.72	5.40	4.91	3.87	2.43
29	1973	1.43	1.38	1.51	2.09	3.26	4.19	5.40	5.87	5.53	5.00	3.35
30	1974	1.81	1.47	1.65	2.11	3.01	3.81	5.67	6.70	6.15	5.00	3.24
31	1975	1.61	1.51	1.50	1.95	2.51	3.29	4.67	5.49	5.32	4.72	3.21
32	1976	1.59	1.43	1.56	1.87	2.52	3.87	5.25	5.23	5.14	3.92	2.53
33	1977	1.51	1.36	1.58	2.40	3.27	4.45	5.16	5.68	5.63	4.54	3.05
34	1978	1.54	1.42	1.39	-	-	-	-	-	-	-	-
35	1979	-	-	-	-	-	-	-	-	-	-	-
36	1980	-	-	-	1.73	2.92	3.86	4.69	5.79	5.92	4.64	3.10
37	1981	1.59	1.45	1.48	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	2.04	2.93	3.51	4.72	5.47	5.75	5.31	3.39
40	1984	1.68	1.38	1.52	1.99	3.22	4.59	5.43	5.84	5.71	4.87	2.82
41	1985	1.45	1.36	1.74	2.09	2.65	3.97	5.02	5.44	5.25	4.62	3.11
42	1986	1.52	1.29	1.43	1.98	2.54	2.75	4.53	5.05	5.08	5.18	3.58
43	1987	1.46	1.37	1.41	1.98	2.52	3.30	4.96	6.41	6.12	5.11	3.17
44	1988	1.67	1.50	1.64	2.02	3.01	4.46	5.55	5.80	6.66	4.56	2.90
45	1989	1.49	1.47	1.44	1.83	2.58	3.95	4.97	5.08	5.00	4.77	3.16
46	1990	1.45	1.37	1.60	-	-	-	-	-	-	-	-
AVER(1)		1.50	1.36	1.48	1.89	2.60	3.76	4.96	5.64	5.59	4.70	3.04
AVER		-	-	-	-	-	-	-	-	-	-	-
Notes: 1) AVER(1), is average of all the data.												
(Unit: PWD in m)												
DEC												
AVER												
3.21												

MONTHLY AVERAGE WATER LEVEL														
STATION : NO.7.5 DEMRA (BWDB)														
RIVER : BALU														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1962				1.85	2.33	3.70	5.04	5.41	5.93	4.09	2.42	1.76	-
2	1963				1.69	2.16	3.78	5.15	5.64	5.44	4.05	2.70	1.81	-
3	1964	1.46	1.33	1.49	2.07	2.73	3.56	5.14	5.99	5.54	4.64	2.95	1.85	3.23
4	1965	1.38	1.25	1.24	1.61	2.40	3.50	4.61	5.34	5.26	3.64	2.30	1.65	2.85
5	1966	1.41	1.17	1.30	1.67	2.06	2.80	4.93	5.34	5.86	3.95	2.27	1.73	2.87
6	1967	1.43	1.33	1.38	1.61	2.29	3.21	4.73	5.01	4.73	4.10	2.17	1.61	2.80
7	1968	1.32	1.25	1.31	1.83	2.36	3.69	5.38	5.63	4.88	3.93	2.48	1.63	2.97
8	1969	1.38	1.29	1.40							3.83	2.37	1.77	-
9	1970	1.45	1.35	1.48	1.91	2.86	3.77	5.06	6.04	5.16	4.87	2.97		-
10	1971				1.84	2.28	3.72	5.01	5.67	5.59	4.15	3.03	1.98	-
11	1972	1.64	1.34	1.82	1.93	2.64	3.49	4.55	5.04	4.53	3.31	2.11	1.65	2.84
12	1973	1.32	1.28	1.35	1.96	2.89	3.93	4.97	5.55	5.07	4.51	2.92	2.15	3.16
13	1974	1.63	1.38	1.57	1.95	2.94	3.68	5.42	6.26	5.71	4.50	2.82	1.87	3.31
14	1975	1.49	1.42	1.45	1.88	2.43	3.18	4.49	5.22	4.23	2.79	1.90	2.96	-
15	1976	1.48	1.33	1.48	1.78	2.36	3.67	5.10	4.99	4.86	3.46	2.28	1.86	2.89
16	1977	1.45	1.35	1.52	2.31	3.17	4.39	5.04	5.54	5.32	4.19	2.65	1.95	3.24
17	1978	1.45	1.37	1.40										-
18	1979				1.73	2.34	2.74	4.42	5.18	5.05	4.29	2.48	1.93	-
19	1980	1.45	1.37	1.54										-
20	1981													-
21	1982				1.86	2.29	3.28	4.77	5.14	4.96	3.42	2.10	1.1	-
22	1983	1.37	1.22	1.72	2.03	2.75	3.36	4.58	5.22	5.53	4.92	2.98	2.13	3.15
23	1984	1.84	1.43	1.64	2.34	3.10	4.08	5.33	5.67	5.73	4.68	2.67	1.96	3.37
24	1985	1.55	1.54	1.92	2.22	2.60	3.91	4.89	5.18	5.00	4.33	2.76	1.97	3.16
25	1986	1.53	1.35	1.49	2.05	2.43	2.80	4.47	4.81	4.87	4.63	2.96	1.83	2.93
26	1987	1.45	1.39	1.41	1.98	2.28	3.25	4.89	6.18	5.86	4.64	2.80	2.05	3.18
27	1988	1.58	1.50	1.62	2.00	2.94	4.23	5.42	5.71	6.41	4.27	2.65	2.09	3.37
28	1989	1.50	1.53	1.54	1.99	2.59	3.85	4.88	4.94	4.87	4.42	2.70	1.78	3.05
29	1990	1.45	1.41	1.57										-
AVER(1)		1.48	1.36	1.51	1.92	2.55	3.57	4.93	5.45	5.30	4.20	2.61	1.86	3.07
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X + 0.007$														
where, X : above raw data Y : revised data														

MONTHLY AVERAGE WATER LEVEL														
		STATION : NO.14.5 NAYARHAT (BWDB)												
		RIVER : BANGSHI												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1964				2.42	3.36	4.45	6.52	7.56	6.97	5.92	3.73	2.42	-
2	1965	1.90	1.75	1.66	2.07	3.23	4.55	5.99	6.86	6.84	4.99	3.19	3.77	-
3	1966	1.91	1.72	1.74	2.09	2.68	4.97	6.26	6.86	7.56	5.29	2.97	2.24	3.86
4	1967	1.83	1.71	1.77	1.96	2.85	4.37	6.28	6.54	6.16	5.62	3.24	1.87	3.68
5	1968	1.96	1.86	1.87	2.43	3.20	5.01	6.97	7.33	6.42	6.10	3.42	2.30	4.07
6	1969	1.88	1.75	1.79	2.19	2.98	4.99	6.60	7.21	7.23	5.07	3.00	2.31	3.92
7	1970	1.90	1.70	1.76	2.42	3.82	4.91	6.50	8.09	6.45	6.34	3.54	2.39	4.15
8	1971	2.00	1.74	-	-	-	-	-	-	-	-	-	-	-
9	1972	-	-	-	2.16	3.35	4.65	5.72	6.52	5.95	4.64	2.74	2.05	-
10	1973	1.71	1.50	1.58	2.22	3.51	5.06	6.28	7.16	6.43	5.71	3.30	2.46	3.91
11	1974	2.02	1.64	1.72	2.27	3.41	4.45	6.58	7.86	7.34	5.65	3.33	2.22	4.04
12	1975	1.81	1.63	1.57	2.00	2.67	-	-	-	-	-	5.35	3.27	2.93
13	1976	1.90	1.61	1.68	1.94	2.68	4.48	6.04	5.99	5.92	4.32	2.66	2.16	3.45
14	1977	1.72	1.52	1.67	2.54	3.75	5.29	6.01	6.73	6.60	5.29	3.04	2.25	3.87
15	1978	1.77	1.54	1.51	1.88	2.98	4.77	5.98	6.29	5.56	5.67	2.67	2.08	3.48
16	1979	1.72	1.44	1.53	1.82	2.93	4.27	5.14	6.13	6.04	5.27	2.85	2.19	3.29
17	1980	1.72	1.48	1.59	1.91	3.33	4.48	5.71	7.34	6.98	5.37	3.21	2.27	3.78
18	1981	1.83	1.59	1.61	2.39	2.71	3.74	5.85	6.56	6.40	4.39	2.68	-	-
19	1982	2.18	1.71	1.47	2.16	2.82	3.95	5.68	6.01	5.85	4.37	2.54	2.00	3.40
20	1983	1.69	1.41	1.21	1.82	2.16	3.16	4.17	5.66	6.21	6.20	3.53	2.24	3.74
21	1984	1.91	1.58	1.63	2.11	3.41	5.41	6.50	7.03	7.03	5.71	3.07	2.14	3.96
22	1985	1.71	1.50	1.89	2.23	2.86	4.81	6.03	6.42	6.27	5.44	3.27	2.25	3.72
23	1986	1.75	1.43	1.52	2.09	2.65	3.15	5.46	5.94	6.11	6.09	3.69	2.27	3.51
24	1987	1.79	1.57	1.54	2.12	2.45	3.77	5.87	7.85	7.36	5.92	3.29	2.31	3.82
25	1988	1.84	1.62	1.59	2.13	3.17	4.98	6.45	7.04	8.21	5.21	3.11	2.62	4.01
26	1989	1.79	1.66	1.61	1.96	2.74	4.52	5.78	5.80	5.82	5.49	3.33	2.12	3.55
27	1990	1.75	1.56	1.72	-	-	-	-	-	-	-	-	-	-
28	1991	1.84	1.61	1.66	2.15	3.05	4.49	6.07	6.81	6.60	5.37	3.15	2.24	3.76
Notes: 1) AVER(1) is average of all the data.														

MONTHLY AVERAGE WATER LEVEL														
STATION : NO.42 MILL BARAK (BWDB)														
RIVER : BURIGANGA														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1945				1.73	2.18	-	4.55	5.68	5.66	4.46	-	1.78	-
2	1946	1.35	1.25	1.29	1.69	2.48	3.71	5.06	5.45	4.89	4.34	-	1.89	-
3	1947	1.38	1.20	1.33	1.81	2.25	3.57	4.72	5.45	4.99	4.31	-	1.66	-
4	1948	1.31	1.24	1.29	1.70	2.80	-	5.20	6.01	5.14	4.46	-	1.68	-
5	1949	1.29	1.17	1.31	1.84	2.78	-	5.33	5.63	5.65	4.45	2.65	1.54	-
6	1950	1.26	1.19	1.25	1.62	2.04	3.31	4.86	5.18	5.40	3.77	2.32	1.66	2.82
7	1951	1.26	1.10	1.44	1.61	1.74	2.36	4.39	-	-	-	-	1.59	-
8	1952	-	1.30	-	1.46	1.97	3.13	4.52	4.57	5.20	4.43	2.81	1.72	-
9	1953	1.25	1.30	1.57	1.79	2.25	3.35	4.58	5.39	5.09	4.46	2.36	1.57	2.91
10	1954	1.21	1.30	1.27	1.74	2.38	3.79	5.56	6.72	6.07	4.56	2.66	1.61	3.24
11	1955	1.32	1.25	1.44	1.88	2.34	3.53	-	6.70	5.41	3.92	2.64	1.64	-
12	1956	1.19	1.07	1.21	1.42	2.86	4.30	5.28	5.06	5.26	3.71	2.60	1.42	2.95
13	1957	0.97	0.92	0.86	1.13	2.06	2.78	4.10	5.02	4.09	2.95	1.72	1.17	2.31
14	1958	0.96	0.91	1.13	1.45	2.50	3.08	3.96	5.25	5.69	4.29	2.68	1.71	2.80
15	1959	-	-	-	1.72	2.55	4.16	4.84	5.29	4.70	4.27	2.73	1.62	-
16	1960	1.16	1.09	1.03	1.31	1.84	3.07	4.41	5.26	5.58	4.44	2.29	1.61	2.76
17	1961	1.27	1.09	1.65	1.68	2.33	3.56	4.13	4.89	5.13	-	-	-	-
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	1.73	2.29	4.08	5.41	5.78	4.94	4.48	2.41	1.66	-
25	1969	1.30	1.24	1.35	1.59	1.96	3.41	4.90	5.53	5.55	3.80	2.28	1.65	2.88
26	1970	1.33	1.18	1.35	1.82	2.73	3.62	4.96	6.22	5.12	4.79	2.86	1.87	3.15
27	1971	1.52	1.37	1.14	1.50	2.00	3.34	4.90	5.81	5.70	4.57	2.90	1.83	3.05
28	1972	1.49	1.18	1.32	1.81	2.54	3.36	4.38	4.94	4.41	3.21	1.98	2.00	2.72
29	1973	1.17	1.08	1.14	1.83	2.67	3.72	4.76	5.49	4.96	4.37	2.79	1.96	3.00
30	1974	1.50	1.26	1.48	1.85	2.75	3.50	5.19	6.22	5.64	4.30	2.67	1.76	3.18
31	1975	1.41	1.30	1.30	1.76	2.30	3.02	4.29	5.05	4.87	4.03	2.68	1.83	2.82
32	1976	1.37	1.23	1.43	1.71	2.26	3.38	4.80	4.75	4.66	3.23	2.10	1.70	2.72
33	1977	1.27	1.20	1.39	2.08	2.83	3.98	4.65	5.26	5.02	3.80	2.41	1.78	2.97
34	1978	1.32	1.20	1.22	1.52	2.35	3.62	4.56	4.98	4.51	3.50	2.18	1.56	2.71
35	1979	1.27	1.04	1.18	1.48	2.05	2.43	3.99	4.78	4.62	3.88	2.19	1.66	2.55
36	1980	1.23	-	-	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	1.78	2.15	2.99	4.53	5.20	4.94	3.36	2.14	1.64	-
38	1982	1.24	1.12	1.21	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	1.75	2.55	3.23	4.39	4.97	5.40	4.67	2.86	1.79	-
40	1984	1.50	1.27	1.37	1.76	2.69	4.09	5.00	5.29	5.36	4.16	2.26	1.60	3.03
41	1985	1.26	1.19	1.49	1.77	2.26	3.61	4.60	4.92	4.76	4.13	2.51	1.71	2.85
42	1986	1.24	1.09	1.18	1.63	2.12	2.52	4.14	4.58	4.63	4.32	2.73	1.62	2.65
43	1987	1.24	1.15	1.20	1.75	1.98	2.96	4.64	6.08	5.74	4.37	2.55	1.75	2.95
44	1988	1.39	1.31	1.43	1.78	2.63	3.93	5.13	5.53	6.35	3.95	2.38	1.80	3.13
45	1989	1.24	1.28	1.32	1.58	2.24	3.51	4.51	4.63	4.55	4.06	2.35	1.57	2.74
46	1990	1.25	1.19	1.42	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.29	1.18	1.30	1.68	2.34	3.41	4.70	5.38	5.16	4.11	2.47	1.68	2.87
Notes:														
1) AVER(1) is average of all the data.														
2) Above data are necessary to be revised by using following equation to get the correct elevation.														
$Y = X - 0.037$														
where, X : above raw data Y : revised data														

MONTHLY AVERAGE WATER LEVEL														
STATION : NO.43 HARIHARPARA (BWDB)														
RIVER : BURIGANGA														
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER
1	1945													
2	1946	1.06	1.03	1.06	1.53	2.30	3.48	4.67	4.90	4.83	4.12	2.42	1.53	
3	1947	1.21	0.93	1.11	1.57	1.59	-	4.29	-	4.62	-	-	1.76	
4	1948	-	-	-	-	-	-	-	-	-	-	-	-	
5	1949	-	-	-	2.28	3.09	4.12	5.10	5.54	5.51	-	-	-	
6	1950	-	-	-	-	-	-	-	-	-	-	-	-	
7	1951	-	-	-	-	-	-	-	-	-	-	-	-	
8	1952	-	-	-	-	-	-	-	-	-	-	-	-	
9	1953	-	-	-	1.41	1.89	2.98	4.13	4.98	4.44	3.95	2.19	1.07	
10	1954	0.82	0.90	0.89	1.41	2.04	3.50	5.03	5.98	5.44	4.14	-	1.35	
11	1955	0.88	0.85	1.02	1.40	1.99	3.12	4.57	6.08	5.04	3.72	2.41	1.35	2.70
12	1956	0.88	1.19	1.58	1.51	2.99	3.57	4.42	4.30	4.49	3.01	2.34	1.53	2.65
13	1957	1.15	1.05	0.98	1.27	2.15	2.81	3.99	4.76	3.93	2.90	1.76	1.15	2.33
14	1958	0.99	1.00	1.00	1.23	2.31	2.81	3.68	4.82	5.14	-	-	-	
15	1959	-	-	-	1.47	2.31	3.44	4.51	4.90	4.33	3.93	2.49	1.30	
16	1960	0.99	1.00	0.87	1.16	1.63	2.90	4.12	4.92	5.17	4.14	2.10	1.43	2.54
17	1961	1.10	0.94	1.53	1.49	2.09	3.27	3.83	4.56	-	-	-	-	
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	
24	1968	-	-	-	1.54	1.98	3.29	5.06	5.37	4.58	4.15	2.21	1.33	
25	1969	1.16	1.11	1.11	1.47	1.83	3.27	4.64	5.22	5.21	3.58	2.10	1.47	2.68
26	1970	1.23	1.06	1.24	1.64	2.54	3.38	4.69	5.80	4.88	4.55	2.68	1.73	2.95
27	1971	1.38	1.15	1.08	1.50	1.99	3.32	4.70	4.97	5.35	4.31	2.71	1.47	2.83
28	1972	1.17	1.08	1.16	1.60	2.27	3.04	4.15	4.66	4.16	3.01	1.80	1.44	2.46
29	1973	1.03	1.01	1.10	1.63	2.53	3.54	4.50	5.16	4.69	4.15	2.75	1.94	2.84
30	1974	1.33	1.14	1.30	1.60	2.52	3.27	4.90	5.88	5.26	4.02	2.47	1.56	2.94
31	1975	1.26	1.12	1.11	1.48	2.20	2.93	4.11	4.86	4.66	3.85	2.51	1.62	2.64
32	1976	1.16	1.01	1.19	1.42	1.96	3.13	4.57	4.50	4.40	3.09	1.92	1.55	2.49
33	1977	1.11	1.34	1.15	1.86	2.61	3.77	4.43	5.01	4.79	3.62	2.33	1.72	2.81
34	1978	1.22	1.00	1.09	1.27	2.29	3.48	4.35	4.74	4.32	3.34	2.11	1.44	2.55
35	1979	1.03	0.85	0.84	1.24	1.59	2.28	3.77	4.58	4.42	3.75	2.08	1.54	2.33
36	1980	1.09	0.79	0.92	1.06	-	-	-	-	-	-	-	-	
37	1981	-	-	-	-	-	-	-	-	-	-	-	-	
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	
39	1983	-	-	-	1.52	2.40	2.96	4.14	4.63	5.12	4.29	2.94	1.59	
40	1984	1.29	1.10	1.15	1.51	2.50	3.85	4.79	5.03	5.11	3.89	2.05	1.49	2.81
41	1985	1.06	1.11	1.40	1.70	2.07	3.43	4.39	4.63	4.50	3.92	2.32	1.66	2.68
42	1986	1.12	1.05	1.06	1.53	1.99	2.27	3.98	4.39	4.37	4.04	2.62	1.59	2.50
43	1987	1.10	1.04	1.02	1.61	1.78	2.68	4.38	5.76	5.44	4.12	2.39	1.68	2.75
44	1988	1.25	1.13	1.21	1.62	2.34	3.59	4.70	5.12	5.99	3.78	2.29	1.67	2.89
45	1989	0.94	0.97	0.93	1.44	2.21	3.24	4.20	4.32	4.24	3.76	2.14	1.25	2.47
46	1990	1.12	1.16	1.13	-	-	-	-	-	-	-	-	-	
AVER(1)		1.11	1.04	1.12	1.50	2.19	3.22	4.41	5.01	4.81	3.83	2.31	1.51	2.66

Notes: 1) AVER(1) is average of all the data.

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE WATER LEVEL														
STATION : NO.69 SAVAR (BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1945				2.04	2.47	4.22	5.84	7.03	6.88	-	3.36	-	
2	1946	1.69	1.54	1.58	2.07	2.67	4.68	6.28	6.49	5.88	5.21	3.43	2.10	3.64
3	1947	1.54	1.38	1.47	2.02	2.64	4.33	5.81	6.68	6.15	5.38	3.33	2.01	3.56
4	1948	1.57	1.45	1.49	2.07	3.51	-	6.55	7.02	6.20	5.59	-	-	-
5	1949	1.59	1.40	1.58	2.24	3.28	4.71	6.49	6.73	6.78	5.39	3.15	1.90	3.77
6	1950	1.46	1.34	1.39	1.83	2.46	4.57	-	6.33	6.58	4.46	3.03	2.11	-
7	1951	1.58	1.56	1.62	2.04	2.69	4.50	6.73	6.55	6.54	4.93	2.59	2.20	3.63
8	1952	-	-	-	1.60	2.26	4.10	6.29	6.07	6.90	6.05	3.36	1.98	-
9	1953	1.42	1.42	1.73	2.35	2.83	4.40	5.93	6.68	6.34	5.51	2.78	1.81	3.60
10	1954	1.33	1.44	1.47	2.03	3.15	5.06	6.93	7.96	7.10	5.72	3.21	2.17	3.96
11	1955	1.62	1.47	1.70	2.18	2.79	4.39	6.38	7.87	6.25	4.60	2.72	2.10	3.67
12	1956	1.63	1.48	1.62	2.03	3.96	5.32	6.28	6.07	6.50	4.74	3.05	2.14	3.74
13	1957	1.83	1.70	1.64	1.97	3.25	4.09	5.60	6.73	5.47	4.14	2.41	1.70	3.38
14	1958	1.51	1.46	1.45	1.81	3.17	3.89	5.10	6.64	7.10	-	-	-	-
15	1959	1.58	1.47	1.66	2.09	3.44	4.75	6.07	6.66	5.85	5.38	3.36	2.14	3.70
16	1960	1.72	1.58	1.59	1.84	2.53	4.35	5.96	6.79	7.09	5.74	2.92	2.07	3.68
17	1961	1.70	1.54	2.06	2.20	3.38	5.10	5.85	6.70	6.82	5.81	3.53	2.14	3.90
18	1962	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1963	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1964	-	-	-	-	-	-	-	-	-	-	-	-	-
21	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
22	1966	-	-	-	-	-	-	-	-	-	-	-	-	-
23	1967	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1968	-	-	-	2.42	3.24	5.02	6.80	7.11	6.31	6.02	3.54	2.55	-
25	1969	2.20	1.88	1.77	2.18	2.90	4.83	6.30	6.79	6.79	4.91	2.96	2.28	3.82
26	1970	1.89	1.70	1.73	2.47	3.74	4.83	6.23	7.53	5.90	6.07	3.55	2.34	4.00
27	1971	1.96	1.69	1.61	2.12	2.60	4.50	6.23	6.99	6.79	5.82	3.75	2.40	3.87
28	1972	2.00	1.61	1.63	2.09	3.32	4.57	5.59	6.25	5.76	4.78	3.61	1.97	3.60
29	1973	1.63	1.43	1.53	2.17	3.47	4.95	6.05	6.83	6.17	5.58	3.30	2.42	3.79
30	1974	2.00	1.64	1.70	2.27	3.50	4.44	6.35	7.36	6.96	5.53	3.34	2.23	3.94
31	1975	1.80	1.59	1.37	1.88	2.74	-	-	-	-	-	-	2.35	-
32	1976	1.94	1.62	1.62	1.90	2.68	4.48	5.95	5.86	5.79	4.32	2.64	2.16	3.41
33	1977	1.59	1.37	1.60	2.57	3.71	5.17	5.85	6.52	6.38	5.17	2.98	2.23	3.76
34	1978	1.73	1.49	1.46	1.81	2.87	4.65	5.79	6.12	5.63	4.50	2.75	2.43	3.44
35	1979	2.12	1.70	1.40	-	-	-	-	-	-	-	-	-	-
36	1980	-	-	-	-	-	-	-	-	-	-	-	-	-
37	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
38	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1983	-	-	-	2.36	3.37	4.38	5.76	6.35	6.55	5.99	3.46	2.16	-
40	1984	1.87	1.61	1.71	2.19	3.44	5.31	6.28	6.69	6.68	5.53	3.11	2.10	3.88
41	1985	1.67	1.48	1.85	2.33	2.84	4.75	5.87	6.16	5.98	5.30	3.21	2.20	3.64
42	1986	1.70	1.40	1.46	2.02	2.63	3.21	5.55	6.00	6.12	6.06	3.98	2.22	3.53
43	1987	1.74	1.50	1.47	2.31	2.51	3.92	5.93	7.58	7.07	5.74	3.24	2.24	3.77
44	1988	1.85	1.61	1.70	2.15	3.15	4.99	6.30	6.85	7.82	5.28	3.56	2.63	3.99
45	1989	2.05	1.79	1.92	2.29	3.08	4.71	5.94	5.94	5.95	5.63	3.30	2.13	3.73
46	1990	1.86	1.56	1.73	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.74	1.54	1.62	2.11	3.04	4.58	6.09	6.70	6.44	5.34	3.20	2.18	3.72
Notes:		1) AVER(1) is average of all the data												

Notes: 1) AVER(1) is average of all the data.

MONTHLY AVERAGE WATER LEVEL														
STATION : NO. 70 KALATIA(BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
(Unit : PWD in m)														
1	1968				205	275	4.29	6.00	6.25	5.49	5.14	2.93	1.96	-
2	1969	1.55	1.44	1.55	1.88	2.47	4.16	5.61	6.08	6.07	4.33	2.68	1.97	3.32
3	1970	1.65	1.48	1.60	2.13	3.23	4.25	5.63	6.77	5.68	5.37	3.38	2.10	3.61
4	1971	1.65	1.55	1.39	1.77	2.48	4.01	5.62	6.77	5.68	5.37	3.38	2.10	3.61
5	1972	1.66	1.41	1.51	2.02	2.91	4.06	5.00	5.59	5.11	3.91	2.34	1.71	3.10
6	1973	1.36	1.31	1.34	1.34	3.06	4.41	5.43	6.21	5.71	5.01	3.19	2.23	3.38
7	1974	1.71	1.42	1.68	1.96	3.15	4.05	5.42	6.70	6.21	4.95	2.98	2.24	3.54
8	1975	2.52	1.45	1.22	1.90	2.44	3.52	5.02	5.65	5.50	4.73	2.98	2.06	3.25
9	1976	1.62	1.46	1.53	-	-	-	-	-	-	-	-	-	-
10	1977	-	-	-	233	3.39	4.65	5.28	6.00	5.76	4.61	2.79	1.96	-
11	1978	1.49	1.36	1.38	1.93	2.52	4.18	5.24	5.62	5.21	4.14	2.39	1.76	3.10
12	1979	1.47	1.29	1.37	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	1.74	3.04	4.04	5.17	6.41	5.97	4.58	2.70	1.76	-
14	1981	1.37	1.22	1.29	-	-	-	-	-	-	-	-	-	-
15	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
16	1983	-	-	-	1.94	2.91	3.86	5.07	5.38	5.96	5.39	3.13	1.90	-
17	1984	1.61	1.42	1.49	2.01	3.22	4.83	5.83	6.34	6.40	5.28	3.00	2.00	3.62
18	1985	1.55	1.42	1.71	2.18	2.73	4.27	5.39	5.69	5.65	5.01	3.04	1.99	3.39
19	1986	1.47	1.29	1.37	1.90	2.46	2.87	5.23	5.79	5.88	5.37	3.38	2.02	3.25
20	1987	1.54	1.48	1.49	2.13	2.48	3.73	5.64	6.90	6.53	5.28	3.15	2.14	3.54
21	1988	1.64	1.54	1.58	1.89	2.87	4.44	5.75	6.29	7.55	5.15	3.30	2.12	3.68
22	1989	1.56	1.68	1.64	2.01	2.81	4.28	5.47	5.53	5.54	5.18	3.10	1.95	3.40
23	1990	1.70	1.41	1.58	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.62	1.42	1.48	1.95	2.83	4.11	5.43	6.09	5.91	4.93	3.04	2.03	3.41
Notes: 1) AVER(1) is average of all the data.														

MONTHLY AVERAGE WATER LEVEL														
STATION : NO.71 KALAGACHIA(BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER.
1	1977	-	-	-	-	2.76	3.85	4.43	4.97	4.63	3.52	2.32	1.65	-
2	1978	1.19	1.09	1.12	1.45	2.29	3.51	4.33	4.72	4.28	3.36	2.14	1.56	2.59
3	1979	1.25	1.05	1.18	-	-	-	-	-	-	-	-	-	-
4	1980	-	-	-	1.65	2.58	3.38	4.25	-	-	-	-	-	-
5	1981	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1983	-	-	-	1.73	2.45	3.06	4.14	4.65	4.95	4.28	3.07	1.76	2.51
8	1984	1.38	1.15	1.17	1.66	2.61	3.93	4.71	4.82	4.88	3.81	2.23	1.56	2.83
9	1985	1.19	1.16	1.43	1.67	2.10	3.31	4.31	4.58	4.41	3.93	2.44	1.66	2.68
10	1986	1.28	1.04	1.14	1.60	2.03	2.43	3.88	4.29	4.33	3.91	2.59	1.63	2.51
11	1987	1.23	1.16	1.20	1.81	2.08	2.71	4.39	5.59	5.32	4.00	2.42	1.66	2.80
12	1988	1.21	1.15	1.24	1.64	2.48	3.53	4.48	4.81	5.23	3.41	2.07	1.52	2.73
13	1989	0.91	1.23	1.22	1.61	2.37	3.41	4.33	4.45	4.37	3.66	2.34	1.46	2.63
14	1990	1.18	0.92	0.99	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.20	1.11	1.19	1.65	2.38	3.31	4.33	4.76	4.71	3.79	2.40	1.61	2.66
Notes: 1) AVER(1) is average of all the data.														

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MONTHLY AVERAGE WATER LEVEL														
STATION : NO.71A REKABI BAZAR(BWDB)														
RIVER : DHALESWARI														
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVER
1	1968				1.78	2.43	3.77	5.03	5.24	4.52	4.08	2.23	1.47	-
2	1969	1.23	1.15	1.26	1.57	1.95	3.36	4.63	5.08	5.07	3.57	2.69	1.57	2.76
3	1970	1.26	1.18	1.33	1.74	2.65	3.51	4.69	5.62	4.83	4.47	2.75	1.78	2.98
4	1971	1.49	1.29	1.31	1.74	2.16	3.45	4.71	5.37	5.27	-	-	-	-
5	1972	-	-	-	1.73	2.43	3.23	4.21	4.61	4.15	3.05	1.94	1.44	-
6	1973	1.18	1.10	1.26	1.81	2.64	3.65	4.55	5.11	4.66	4.13	2.71	1.93	2.89
7	1974	1.46	1.21	1.37	1.76	2.66	3.39	4.86	5.71	5.14	4.00	2.51	1.70	2.98
8	1975	1.38	1.27	1.23	1.72	2.27	2.95	4.09	4.78	4.60	2.80	2.58	1.74	2.62
9	1976	1.30	1.15	1.36	-	-	-	-	-	-	-	-	-	-
10	1977	-	-	-	2.02	2.78	3.81	4.47	5.02	4.71	3.62	2.23	1.73	-
11	1978	1.21	1.13	1.16	-	-	-	-	-	-	-	-	-	-
12	1979	-	-	-	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	1.62	2.45	3.29	4.17	5.09	4.71	3.47	2.14	1.40	-
14	1981	1.08	0.90	1.02	-	-	-	-	-	-	-	-	-	-
15	1982	-	-	-	-	-	-	-	-	-	-	-	-	-
16	1983	-	-	-	1.77	2.52	3.15	4.27	4.78	5.17	4.33	2.80	1.71	-
17	1984	1.48	1.21	1.37	1.83	2.72	4.05	4.87	5.01	5.13	3.96	2.21	1.61	2.95
18	1985	1.42	1.26	1.59	1.88	2.16	3.61	4.53	4.74	4.59	4.04	2.54	1.75	2.84
19	1986	1.30	1.13	1.26	1.75	2.18	2.62	4.24	4.56	4.48	4.06	2.73	1.69	2.67
20	1987	1.31	1.25	1.28	1.85	2.08	2.80	4.49	5.70	5.37	4.12	2.50	1.78	2.88
21	1988	1.31	1.25	1.37	1.74	2.58	3.66	4.78	5.10	5.61	3.71	2.30	1.70	2.93
22	1989	1.30	1.39	1.32	1.77	2.54	3.55	4.46	4.57	4.48	4.01	2.49	1.65	2.79
23	1990	1.34	1.17	1.32	-	-	-	-	-	-	-	-	-	-
AVER(1)		1.32	1.19	1.30	1.77	2.42	3.40	4.53	5.06	4.85	3.84	2.46	1.67	2.85
Notes: 1) AVER(1) is average of all the data.														

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MONTHLY AVERAGE WATER LEVEL													
STATION : NO.179 DEMRA (BWDB)													
RIVER : LAKHYA													
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	(Unit : PWD in m)
													DEC. AVER
1	1952				1.63	2.14	3.30	4.85	4.91	5.38	4.79	2.98	1.86
2	1953	1.31	1.42	1.72	1.95	2.42	3.55	4.63	5.36	5.07	4.45	2.44	1.63
3	1954	1.28	1.25	1.32	1.78	2.60	4.26	5.38	6.26	5.86	4.56	2.69	1.66
4	1955	1.21	1.21	1.38	1.82	2.32	3.57	5.02	6.26	5.52	4.10	2.87	2.02
5	1956	1.49	1.23	1.26	1.71	3.19	4.51	5.39	5.22	5.39	3.95	2.71	1.73
6	1957	1.39	1.30	1.41	1.63	2.57	3.11	4.53	5.27	4.39	3.33	2.08	1.56
7	1958	1.35	1.30	1.31	1.65	2.69	3.25	4.15	5.19	5.55	4.41	2.84	1.94
8	1959												
9	1960												
10	1961												
11	1962												
12	1963												
13	1964											2.94	1.86
14	1965	1.39	1.26	1.31	1.55	2.43	3.51	4.63	5.36	5.28	3.65	2.31	1.69
15	1966	1.42	1.22	1.33	1.68	2.07	3.83	4.96	5.37	5.90	3.97	2.31	1.73
16	1967	1.45	1.33	1.36	1.59	2.26	3.21	4.74	5.01	4.75	4.07	2.20	1.63
17	1968	1.35	1.27	1.32	1.85	2.39	3.70	5.39	5.65	4.90	4.43	2.49	1.68
18	1969	1.47	1.37	1.47	1.80	2.15	3.63	5.00	5.51	5.52	3.87	2.43	1.83
19	1970	1.49	1.41	1.53									
20	1971				1.97	2.35	3.78	5.10	5.73	5.65	4.71	3.09	2.03
21	1972	1.73	1.38	1.53	1.99	2.72	3.55	4.61	5.09	4.57	3.39	2.17	1.66
22	1973	1.36	1.30	1.38	1.99	2.94	3.94	5.01	5.56	5.10	4.55	2.94	2.14
23	1974	1.69	1.40	1.56	1.98	2.97	3.73	5.48	6.29	5.75	4.55	2.85	1.93
24	1975	1.55	1.42	1.44	1.85	2.44	3.20	4.48	5.23	5.05	4.26	2.80	1.92
25	1976	1.48	1.37	1.49	1.80	2.41	3.73	5.17	5.05	4.92	3.51	2.33	1.89
26	1977				2.23	3.08	4.30	4.96	5.46	5.24	4.12	2.60	1.89
27	1978	1.37	1.28	1.33	1.66	2.54	4.00	4.93	5.21	4.73	3.77	2.34	1.72
28	1979	1.38	1.17	1.30	1.62	2.27	2.65	4.32	5.08	4.96	4.20	2.41	1.95
29	1980	1.46	1.37	1.50									
30	1981				1.97	2.33	3.20	4.78	5.41	5.15	3.57	2.39	1.81
31	1982	1.36	1.29	1.23	1.92	2.35	3.30	4.68	5.02	4.86	3.32	2.04	1.64
32	1983	1.41	1.22	1.63	1.92	2.71	3.35	4.54	5.13	5.49	4.72	2.90	1.83
33	1984	1.52	1.25	1.40	1.92	2.85	4.31	5.18	5.44	5.47	4.38	2.39	1.73
34	1985	1.34	1.31	1.67	1.99	2.41	3.87	4.85	5.10	4.93	4.26	2.62	1.85
35	1986	1.39	1.22	1.33	1.81	2.29	2.67	4.35	4.71	4.79	4.53	2.89	1.75
36	1987	1.33	1.36	1.34	1.90	2.17	3.13	4.79	6.07	5.78	4.56	2.91	1.87
37	1988	1.45	1.37	1.45									
38	1989				1.75	2.47	3.74	4.79	4.85	4.77	4.34	2.60	1.69
39	1990	1.31	1.26	1.43									
AVER(1)		1.42	1.30	1.42	1.82	2.50	3.58	4.85	5.38	5.20	4.15	2.59	1.80
2.99													
Notes: 1) AVER(1) is average of all the data.													

Notes: 1) AVER(1) is average of all the data.

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MONTHLY AVERAGE WATER LEVEL												
STATION : NO 275.5 MEGHNA FERRY GHAT (BWDB)												
RIVER : SURMA-MEGHNA												
NO.	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
1	1968				1.69	2.20	3.52	4.95	5.28	4.51	4.07	2.31
2	1969	1.40	1.21	1.32	1.65	1.85	3.44	4.76	5.19	5.18	3.72	2.38
3	1970	1.49	1.35	1.47	1.93	2.78	3.65	4.80	5.65	4.91	4.57	2.96
4	1971	1.67	1.42	1.44	1.88	2.20	3.29	4.68	5.28	-	-	-
5	1972	1.85	1.39	1.45	1.93	2.56	3.38	4.93	7.05	4.25	1.66	2.16
6	1973	1.35	1.23	1.28	1.94	2.80	3.82	4.73	5.18	4.79	4.32	2.94
7	1974	1.67	1.41	1.56	1.94	2.84	3.57	5.05	5.83	5.26	4.24	2.77
8	1975	1.62	1.59	1.59	1.79	2.40	3.07	4.18	4.88	4.74	4.00	2.76
9	1976	1.38	1.28	1.42	1.66	2.33	3.47	4.85	4.74	4.56	3.25	2.24
10	1977	1.41	1.18	1.40	2.17	2.92	3.98	4.71	5.18	4.96	3.79	2.59
11	1978	1.37	1.27	1.32	-	-	-	-	-	-	-	-
12	1979	-	-	-	-	-	-	-	-	-	-	-
13	1980	-	-	-	-	-	-	-	-	-	-	-
14	1981	-	-	-	1.85	2.28	3.06	4.55	5.09	4.80	3.45	2.33
15	1982	1.31	1.13	1.14	1.87	2.29	3.05	4.48	4.83	4.77	3.28	2.00
16	1983	1.33	1.15	1.47	1.79	2.63	3.31	4.46	4.93	5.26	4.46	2.89
17	1984	1.52	1.29	1.38	1.68	2.74	4.05	4.87	4.99	5.17	4.10	2.39
18	1985	1.36	1.32	1.66	1.99	2.42	3.80	4.68	4.88	4.70	4.11	2.67
19	1986	1.43	1.27	1.38	1.92	2.31	2.64	4.19	4.60	4.60	4.23	2.91
20	1987	1.37	1.33	1.38	1.95	2.22	3.14	4.69	5.72	5.43	4.30	2.64
21	1988	1.44	1.38	1.47	1.86	2.82	4.11	5.16	5.39	5.82	4.05	2.52
22	1989	1.35	1.41	1.38	1.81	2.59	3.70	4.65	4.81	4.68	4.23	2.72
23	1990	1.33	1.30	1.47	-	-	-	-	-	-	-	-
	AVER(1)	1.46	1.31	1.42	1.86	2.48	3.48	4.70	5.24	4.91	3.88	2.56
												1.83
												2.94
Notes: 1) AVER(1) is average of all the data.												

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	MONTHLY AVERAGE WATERLEVEL													
2														
3	STATION : NO.299 TONGI(BWDB)													
4	RIVER : TONGI KHAL													
5	NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6														
7	1	1960	1.30	1.17	1.74	1.48	2.03	3.32	4.71	5.53	5.77	4.79	2.57	1.86
8	2	1961	1.30	1.17	1.74	1.72	2.61	4.05	4.62	5.36	5.64	-	-	-
9	3	1962	1.53	1.62	1.52	1.71	2.29	3.77	5.39	5.90	6.58	4.43	2.62	1.77
10	4	1963	1.41	1.31	1.26	1.52	2.00	3.75	5.29	6.01	6.58	4.25	2.86	1.86
11	5	1964	1.48	1.20	1.39	2.08	2.88	3.51	5.32	6.46	5.88	4.95	3.21	1.96
12	6	1965	1.37	1.25	1.25	1.60	2.44	3.51	4.81	5.69	5.69	4.10	2.60	1.71
13	7	1966	1.32	1.14	1.30	1.63	2.00	3.77	5.06	5.58	6.27	4.26	2.48	1.78
14	8	1967	1.42	1.30	1.41	1.56	2.31	3.26	4.92	5.42	5.03	4.50	2.59	1.63
15	9	1968	1.31	1.24	1.32	1.77	2.34	3.83	5.63	6.05	5.19	4.80	2.85	1.66
16	10	1969	1.36	1.29	1.34	1.70	2.08	3.68	5.19	5.91	5.91	4.18	2.51	1.76
17	11	1970	1.41	1.30	1.40	1.91	2.85	3.84	5.30	6.68	5.43	5.24	3.15	1.99
18	12	1971	1.62	1.41	-	-	2.87	4.06	5.39	6.12	6.14	5.04	3.47	2.04
19	13	1972	1.67	1.31	1.33	1.94	2.62	3.58	4.70	5.35	4.79	3.64	2.20	1.59
20	14	1973	1.30	1.21	1.31	1.89	3.03	4.06	5.20	5.82	5.27	4.71	3.03	2.20
21	15	1974	1.65	1.31	1.47	2.02	2.90	3.70	5.54	6.59	6.00	-	2.94	1.85
22	16	1975	1.46	1.31	1.31	1.78	2.36	-	-	-	-	-	-	-
23	17	1976	-	-	-	1.68	2.36	-	-	-	-	-	-	-
24	18	1977	-	-	-	2.22	-	4.28	5.00	5.52	5.36	4.20	2.70	1.87
25	19	1978	1.36	1.19	1.17	1.59	2.72	4.10	4.89	5.23	4.74	3.80	2.37	1.64
26	20	1979	1.29	1.05	1.25	1.60	2.13	2.58	4.24	5.12	4.99	4.27	2.61	1.89
27	21	1980	1.32	1.16	1.37	1.71	2.80	3.77	4.65	5.91	5.66	4.25	2.66	1.74
28	22	1981	1.27	1.10	1.19	-	-	-	-	-	-	-	-	-
29	23	1982	-	-	-	1.77	2.32	3.16	4.63	5.22	4.87	3.58	2.09	1.46
30	24	1983	1.22	1.07	1.44	1.79	2.68	3.29	4.57	5.19	5.53	5.00	3.07	1.86
31	25	1984	1.48	1.18	1.27	1.77	2.96	4.39	5.25	5.64	5.58	4.56	2.51	1.67
32	26	1985	1.28	1.16	1.50	1.88	2.41	3.80	4.83	5.18	4.99	4.36	2.81	1.86
33	27	1986	1.31	1.11	1.24	1.77	2.31	2.56	4.38	4.84	4.89	4.85	3.16	1.83
34	28	1987	1.30	1.16	1.19	1.73	2.22	3.11	4.83	6.34	5.98	4.76	2.76	1.91
35	29	1988	1.39	1.23	1.41	-	-	-	-	5.84	6.70	-	-	-
36	30	1989	-	-	-	1.66	2.34	3.82	4.81	4.86	4.81	4.54	2.89	1.74
37	31	1990	1.30	1.22	1.49	-	-	-	-	-	-	-	-	-
38														
39	AVER(1)	1.39	1.23	1.35	1.76	2.48	3.64	4.97	5.68	5.54	5.46	4.46	2.75	1.81
40														
41	Notes:	1) AVER(1) is average of all the data												
42		2) Above data are necessary to be revised by using following equation to get the correct elevation.												
43		$Y = X + 0.122$												
44		where, X : above raw data Y : revised data												

MONTHLY AVERAGE WATER LEVEL													
STATION : NO.302 MIRPUR (BWDB)		RIVER : TURAG											
NO	YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	(Unit : PWD in m)
1	1953				2.06	2.07	3.79	4.99	5.94	5.49	4.85	2.68	1.87
2	1954	1.42	1.52	1.52	2.03	2.68	4.21	5.95	7.31	6.51	4.90	2.92	1.71
3	1955	1.31	1.21	1.42	1.77	2.31	3.42	5.08	7.21	5.63	4.07	2.90	1.93
4	1956	1.45	-	1.49	1.75	3.10	4.53	5.59	5.35	5.66	4.09	2.72	-
5	1957	-	1.50	1.42	1.71	2.60	3.19	4.62	5.68	-	3.40	2.06	1.48
6	1958	1.32	1.25	1.26	1.59	2.64	3.20	4.11	5.60	6.22	4.62	2.85	1.80
7	1959	-	-	-	1.86	2.81	4.24	5.44	5.91	5.19	4.70	3.02	1.80
8	1960	1.31	1.21	1.13	1.40	1.93	3.29	4.72	5.68	5.96	4.76	2.42	1.68
9	1961	1.34	1.19	1.74	1.75	2.45	3.77	4.37	5.21	5.50	4.61	2.70	1.60
10	1962	1.41	1.45	1.40	1.79	2.29	3.71	5.41	6.04	5.71	4.30	2.43	1.75
11	1963	1.46	1.37	1.34	1.61	1.90	3.59	5.37	6.16	6.09	4.27	2.82	2.05
12	1964	1.66	1.58	1.77	2.15	2.59	3.39	5.31	6.61	5.98	4.91	3.00	1.79
13	1965	1.30	1.18	1.18	1.53	2.24	3.42	4.68	5.76	5.72	3.92	2.91	1.69
14	1966	1.38	1.18	1.29	1.69	2.08	3.87	5.15	5.74	6.42	4.20	2.31	1.74
15	1967	1.40	1.32	1.35	-	-	-	-	-	-	-	-	-
16	1968	-	-	-	1.85	2.30	3.72	5.66	6.08	5.15	4.74	2.49	1.61
17	1969	1.60	1.51	1.62	1.96	2.33	3.85	5.24	5.92	5.95	4.05	2.40	1.76
18	1970	1.46	1.36	1.41	1.93	2.88	3.79	5.28	6.74	5.39	5.11	2.86	1.94
19	1971	1.64	1.45	-	-	-	-	-	-	-	-	-	-
20	1972	-	-	-	1.85	2.60	3.46	4.64	5.30	4.70	3.42	2.08	1.57
21	1973	1.25	1.20	1.28	1.88	2.81	3.90	5.08	5.85	5.26	4.63	2.92	2.08
22	1974	1.65	1.34	1.46	1.88	2.80	3.60	5.40	6.57	5.95	4.52	2.77	1.85
23	1975	1.46	1.36	1.38	1.83	2.35	-	-	-	-	4.15	2.70	1.79
24	1976	1.37	1.25	1.43	1.74	2.32	-	-	-	-	3.45	2.24	1.79
25	1977	1.34	1.15	1.33	2.17	2.99	4.21	4.91	5.54	5.33	4.04	2.59	1.78
26	1978	1.33	1.24	1.28	1.61	2.52	3.88	4.83	5.21	4.72	3.70	2.27	1.64
27	1979	1.34	1.13	1.30	-	-	-	-	-	-	-	-	-
28	1980	-	-	-	-	-	-	-	-	-	-	-	-
29	1981	-	-	-	1.98	2.33	3.19	4.80	5.53	5.28	3.62	2.30	1.77
30	1982	1.33	1.22	1.20	1.89	2.36	3.23	4.65	5.08	4.91	3.45	2.05	1.57
31	1983	1.31	1.18	1.55	1.87	2.67	3.34	4.56	5.18	5.59	4.94	2.96	1.82
32	1984	1.50	1.29	1.43	1.86	2.87	4.37	5.32	5.74	5.74	4.51	2.43	1.70
33	1985	1.33	1.25	1.61	1.94	2.39	3.85	4.88	5.24	5.04	4.37	2.70	1.85
34	1986	1.36	1.18	1.29	1.82	2.27	2.66	4.40	4.85	4.91	4.74	3.00	1.77
35	1987	1.34	1.28	1.29	1.86	2.12	2.73	4.89	6.53	6.11	4.75	2.74	1.94
36	1988	1.43	1.41	1.49	1.87	2.79	4.19	5.42	5.86	6.89	4.24	2.59	2.03
37	1989	1.39	1.39	1.39	0.88	2.49	3.80	4.84	4.92	4.86	4.45	2.66	1.67
38	1990	1.35	1.30	1.43	-	-	-	-	-	-	-	-	-
AVER(1)		1.40	1.30	1.40	1.80	2.48	3.67	5.02	5.82	5.63	4.32	2.60	1.77
AVER(1)		1.40	1.30	1.40	1.80	2.48	3.67	5.02	5.82	5.63	4.32	2.60	1.77
Notes:													
1) AVER(1) is average of all the data.													
2) Above data are necessary to be revised by using following equation to get the correct elevation.													
$Y = X + 0.042$													
where, X : above raw data Y : revised data													

5. Probable Maximum Water Level of Mill Barak (BWDB Sta. 42), Demra (BWDB Sta. 7.5) and Savar (BWDB Sta. 69)

Mill Barak (BWDB Sta. 42)

** GUMBEL-CHOW'S METHOD **

STATION NAME :MILL BARAK(BWDB STA.42)

N = NUMBER OF DATA

X= WATER LEVEL(M,PWD)

TS = 2 (YR)

TR = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 37

K	R(K)
1	6.00
2	5.96
3	5.60
4	6.26
5	5.96
6	5.72
7	5.45
8	5.66
9	7.02
10	7.05
11	5.64
12	5.32
13	6.41
14	5.74
15	6.06
16	5.48
17	6.30
18	5.89
19	6.47
20	6.19
21	5.26
22	5.84
23	6.57
24	5.39
25	5.13
26	5.60
27	5.22
28	5.25
29	6.39
30	5.42
31	5.73
32	6.00
33	5.37
34	4.96
35	6.60
36	7.54
37	5.06

SORTING RESULTS

K	R(K)
1	7.54
2	7.05
3	7.02
4	6.60
5	6.57
6	6.47
7	6.41
8	6.39
9	6.30
10	6.26
11	6.19
12	6.06
13	6.00
14	6.00
15	5.96
16	5.96
17	5.89
18	5.84
19	5.74
20	5.73
21	5.72
22	5.66
23	5.64
24	5.60
25	5.60
26	5.48
27	5.45
28	5.42
29	5.39
30	5.37
31	5.32
32	5.26
33	5.25
34	5.22
35	5.13
36	5.06
37	4.96

XM = 5.878649

STANDARD DEVIATION

SG = .5881541

T(YR)	KG	X
2.00	-0.1643	5.78
3.00	0.2538	6.03
4.00	0.5214	6.19
5.00	0.7195	6.30
6.00	0.8770	6.39
7.00	1.0079	6.47
8.00	1.1198	6.54
9.00	1.2177	6.59
10.00	1.3046	6.65

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
10.00	1.3046	6.65
20.00	1.8658	6.98
30.00	2.1887	7.17
40.00	2.4163	7.30
50.00	2.5923	7.40
60.00	2.7358	7.49
70.00	2.8569	7.56
80.00	2.9617	7.62
90.00	3.0541	7.67
100.00	3.1367	7.72

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
50.00	2.5923	7.40
100.00	3.1367	7.72
150.00	3.4541	7.91
200.00	3.6791	8.04
250.00	3.8535	8.15
300.00	3.9959	8.23
350.00	4.1163	8.30
400.00	4.2205	8.36
450.00	4.3125	8.42
500.00	4.3947	8.46

** X: WATER LEVEL(M,PWD) **

Demra (BWDB Sta. 7.5)

** GUMBEL-CHOW'S METHOD **

STATION NAME : DEMRA(BWDB STA.7.5)

N = NUMBER OF DATA

R=WATER LEVEL(M,PWD)

TS = 2 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 35

K	R(K)
1	5.63
2	5.63
3	6.63
4	6.89
5	5.79
6	5.57
7	6.05
8	6.29
9	5.92
10	6.40
11	5.81
12	6.24
13	5.43
14	6.08
15	5.85
16	6.24
17	6.03
18	5.40
19	5.88
20	6.58
21	5.60
22	5.47
23	5.92
24	5.47
25	5.59
26	6.23
27	5.74
28	6.00
29	5.90
30	6.33
31	5.70
32	5.25
33	6.46
34	7.10
35	5.44

SORTING RESULTS

K	R(K)
1	7.10
2	6.89
3	6.63
4	6.58
5	6.46
6	6.40
7	6.33
8	6.29
9	6.24
10	6.24
11	6.23
12	6.08
13	6.05
14	6.03
15	6.00
16	5.92
17	5.92
18	5.90
19	5.88
20	5.85
21	5.81
22	5.79
23	5.74
24	5.70
25	5.63
26	5.63
27	5.60
28	5.59
29	5.57
30	5.47
31	5.47
32	5.44
33	5.43
34	5.40
35	5.25

$\bar{X} = 5.958286$

STANDARD DEVIATION

SG = .4350402

T(YR)	KG	X
2.00	-0.1643	5.89
3.00	0.2538	6.07
4.00	0.5214	6.19
5.00	0.7195	6.27
6.00	0.8770	6.34
7.00	1.0079	6.40
8.00	1.1198	6.45
9.00	1.2177	6.49
10.00	1.3046	6.53

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
10.00	1.3046	6.53
20.00	1.8658	6.77
30.00	2.1887	6.91
40.00	2.4163	7.01
50.00	2.5923	7.09
60.00	2.7358	7.15
70.00	2.8569	7.20
80.00	2.9617	7.25
90.00	3.0541	7.29
100.00	3.1367	7.32

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
50.00	2.5923	7.09
100.00	3.1367	7.32
150.00	3.4541	7.46
200.00	3.6791	7.56
250.00	3.8535	7.63
300.00	3.9959	7.70
350.00	4.1163	7.75
400.00	4.2205	7.79
450.00	4.3125	7.83
500.00	4.3947	7.87

** X: WATER LEVEL(M,PWD) **

6. Major Cyclones in Bangladesh

Savar (BWDB Sta. 69)

** GUMBEL-LOW'S METHOD **

STATION NAME :SAVAR(BWDB STA.69)

N = NUMBER OF DATA

R=WATER LEVEL(M,PWD)

TS = 2 (YR)

TE = 10 (YR)

SY = 1 (YR)

ORIGINAL DATA

N = 33

K	R(K)
1	7.41
2	6.84
3	6.98
4	7.20
5	7.23
6	7.04
7	7.35
8	7.10
9	7.06
10	8.17
11	8.26
12	6.83
13	7.20
14	7.12
15	7.57
16	7.30
17	7.69
18	7.08
19	7.99
20	7.36
21	6.66
22	7.21
23	7.80
24	6.31
25	6.88
26	6.23
27	6.96
28	7.58
29	6.70
30	6.49
31	8.30
32	9.68
33	6.34

SORTING RESULTS

K	R(K)
1	9.68
2	8.30
3	8.26
4	8.17
5	7.99
6	7.80
7	7.69
8	7.58
9	7.57
10	7.41
11	7.36
12	7.35
13	7.30
14	7.23
15	7.21
16	7.20
17	7.20
18	7.12
19	7.10
20	7.08
21	7.06
22	7.04
23	6.98
24	6.96
25	6.88
26	6.84
27	6.83
28	6.70
29	6.69
30	6.66
31	6.34
32	6.31
33	6.29

KM = 7.278182

STANDARD DEVIATION

S = .6638736

T(YR)	KG	X
2.00	-0.1643	7.17
3.00	0.2538	7.45
4.00	0.5214	7.62
5.00	0.7195	7.76
6.00	0.8770	7.86
7.00	1.0079	7.95
8.00	1.1198	8.02
9.00	1.2177	8.09
10.00	1.3046	8.14

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
10.00	1.3046	8.14
20.00	1.8658	8.52
30.00	2.1887	8.73
40.00	2.4163	8.88
50.00	2.5923	9.00
60.00	2.7358	9.09
70.00	2.8569	9.17
80.00	2.9617	9.24
90.00	3.0541	9.31
100.00	3.1367	9.36

** X: WATER LEVEL(M,PWD) **

T(YR)	KG	X
50.00	2.5923	9.00
100.00	3.1367	9.36
150.00	3.4541	9.57
200.00	3.6791	9.72
250.00	3.8535	9.84
300.00	3.9959	9.93
350.00	4.1163	10.01
400.00	4.2205	10.08
450.00	4.3125	10.14
500.00	4.3947	10.20

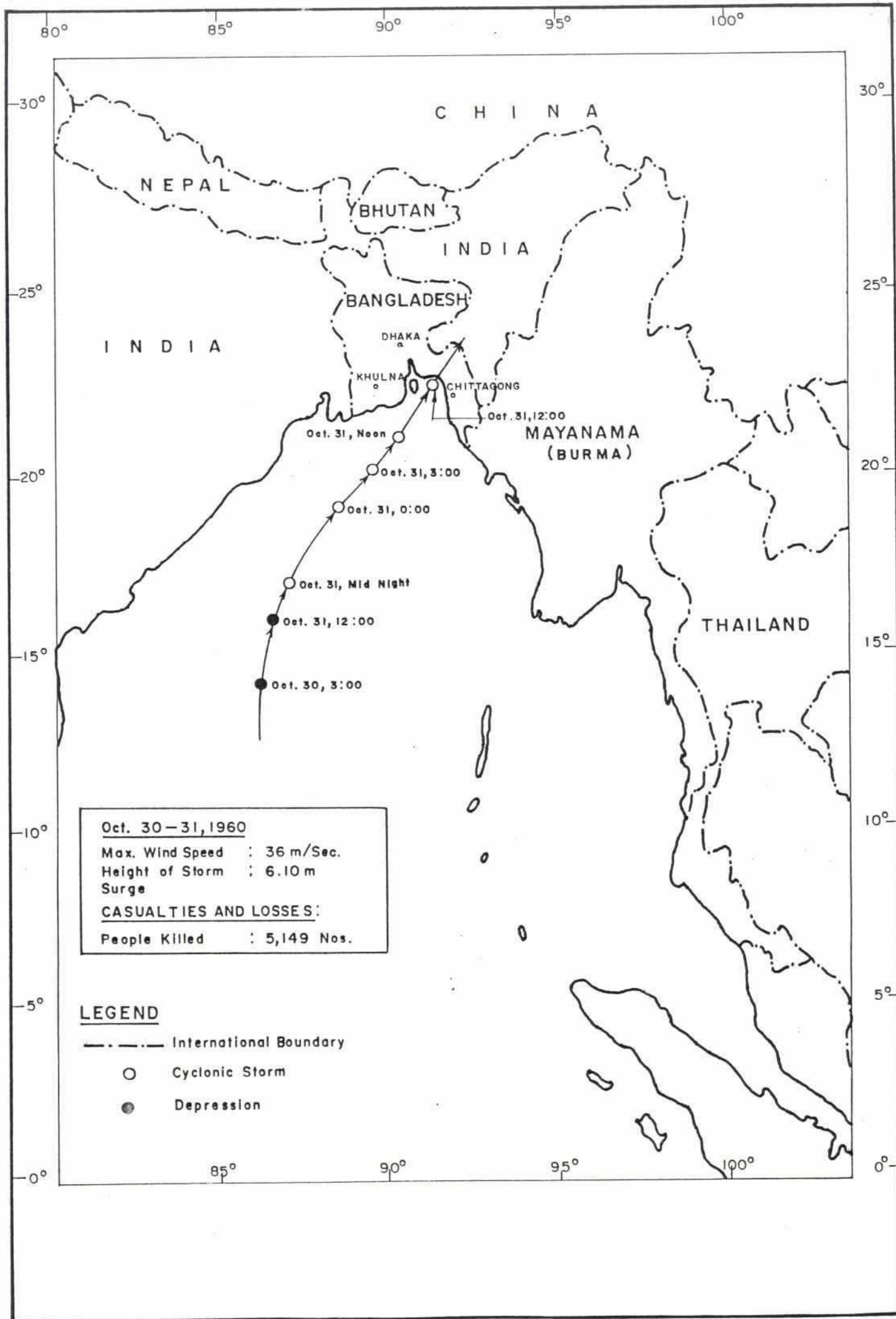
** X: WATER LEVEL(M,PWD) **

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH
BANGLADESH METEOROLOGICAL DEPARTMENT
(CLIMATE DIVISION)
METEOROLOGICAL COMPLEX, AGARGAON,
DHAKA -1207.

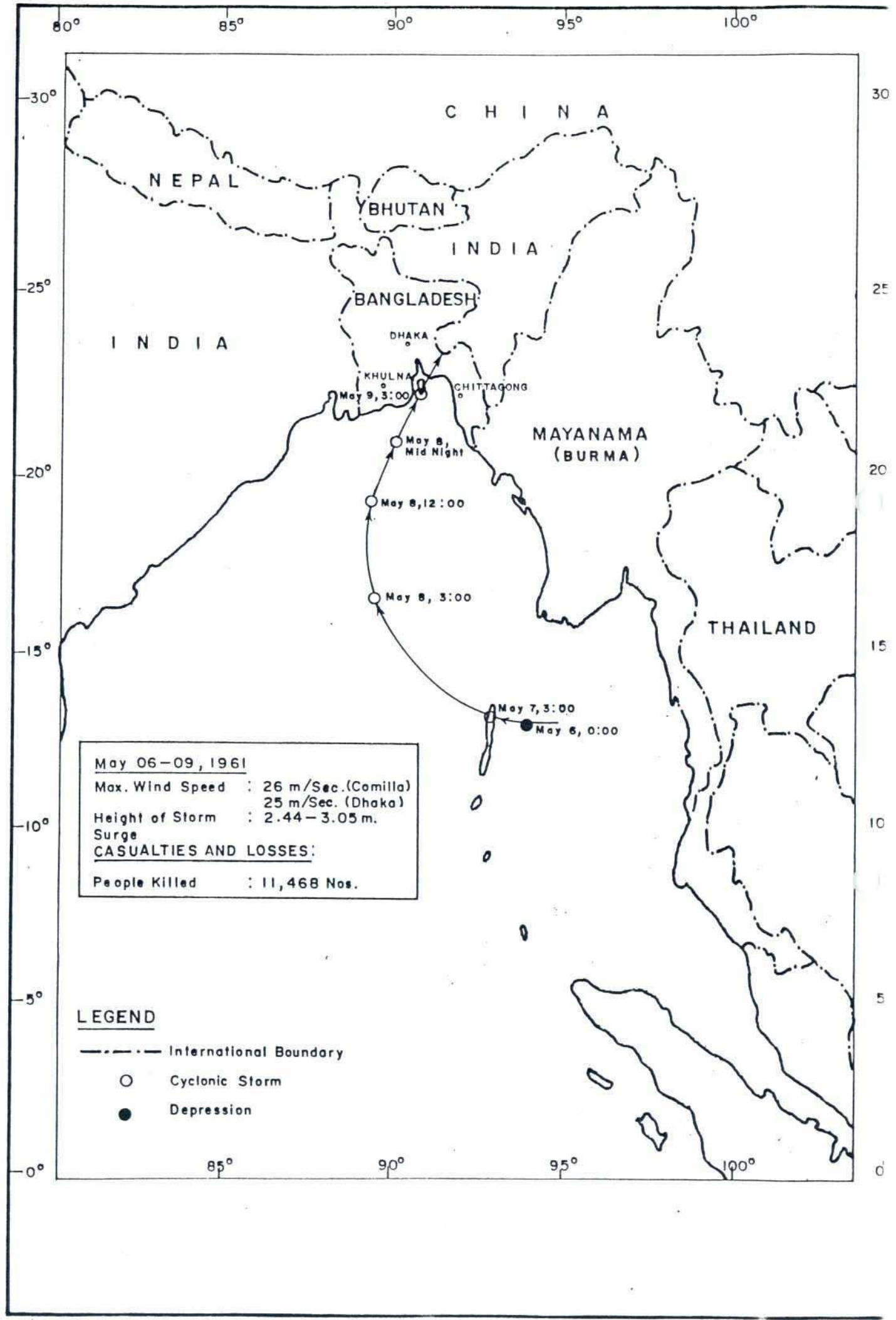
Major cyclonic Storms with Max. Wind Speed and tidal Surges in Bangladesh.

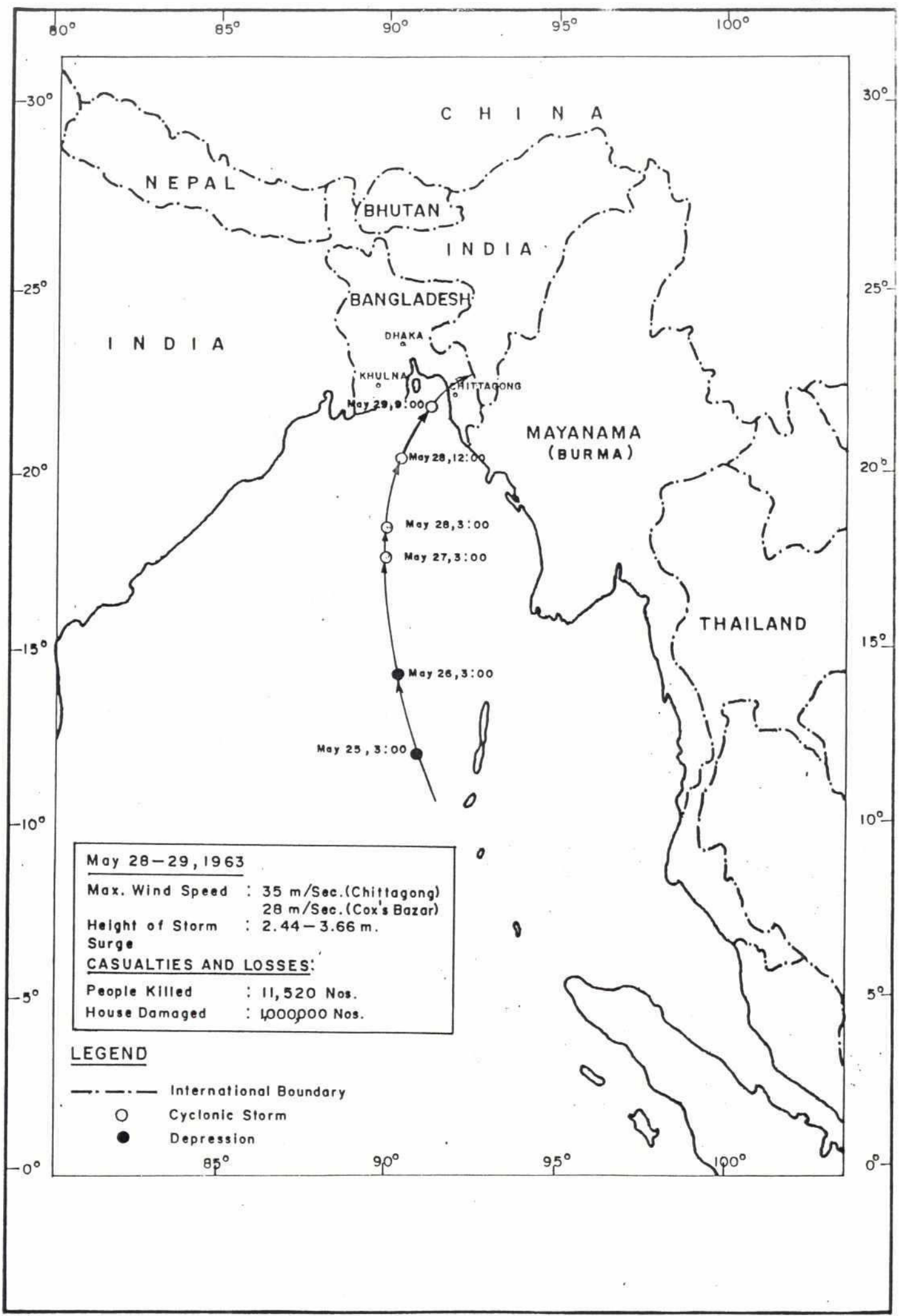
Date	Nature of Phenomena	Landfall area	Estimated Central Pressure (mbs.)
1.11.1876	Severe cyclonic Storm with a core of hurricane wind with Storm surge of 10-45ft.	Noakhali	-
11.10.1960	Severe cyclonic storm with storm Surge of 15ft. and maximum wind speed 87 kts (160 Kph.)	Chittagong	-
31.10.1960	Severe cyclonic Storm with Storm surge of 20 ft. and maximum wind speed 104 kts. (193 kph).	Chittagong	-
09.05.1961	Severe cyclonic Storm with Storm Surge of 8-10ft. and maximum wind Speed 87 kts. (160 kph).	Chittagong	-
30.05.1961	Severe cyclonic Storm with storm Surge of 6-15ft. and maximum wind Speed 87 kts. (160 kph)	Chittagong (Near Feni)	-
28.05.1963	Severe cyclonic storm with Storm Surge of 8-12 ft. and maximum wind Speed 113 kts (209 kph).	Chittagong - Cox's Bazar	-
11.05.1965	Severe cyclonic Storm with Storm Surge of 12ft. and maximum wind Speed 87 kts. (160 kph).	Chittagong Barisal coast.	-
05.11.1965	Severe cyclonic Storm with Surge height 8-12 ft. and maximum wind speed 87 kts. (160 kph).	Chittagong	-
15.12.1965	Sever cyclonic storma with Surge of 8-10 ft. and maximum wind Speed 114 kts. (210 kph)	Cox's Bazar	-
01.11.1966	Severe cyclonic storm with surge height 20-22ft. and maximum wind speed 65 kts. (120 kph)	Chittagong	-
23.10.1970	Severe cyclonic Storm of hurricane intensity with moderate storm surge and maximum wind speed 88kts. (163 kph)	Khulna - Barisal	-
12.11.1970	Severe cyclonic Storm with a core of hurricane wind with Surge height of 10-33 ft. and maximum wind speed 121 kts (224 kph).	Chittagong	-

	<u>Nature of phenomena</u>	<u>Landfall area</u>	<u>Estimated Central pressure (mb.)</u>
+ 28.11.1974	Severe cyclonic Storm with Surge height 9-17ft. and maximum wind speed 88 kts. (163 kph).	Cox's Bazar Chittagong	-
10.12.1981	Cyclonic Storm with Surge of 7 -15 ft. and wind Speed 65 kts. (120 kph).	Khulna	989 mbs
15.10.1983	Cyclonic Storm with wind Speed 50 kts. (93 kph).	Chittagong	995 mbs
09.11.1983	Severe cyclonic Storm with Surge of 5ft. and maximum wind Speed 73 kts. (136 kph)	Cox's Bazar	986 mbs
24.05.1985	Severe cyclonic Storm with Surge height of 15ft. and maximum wind Speed 83 kts (154 kph).	Chittagong	982 mbs
29.11.1988	Severe cyclonic Storm with a core of hurricane wind with Storm Surge of 2 - 14.5 ft. and maximum wind Speed of 87 kts. (160 kph.)	Khulna	983 mbs

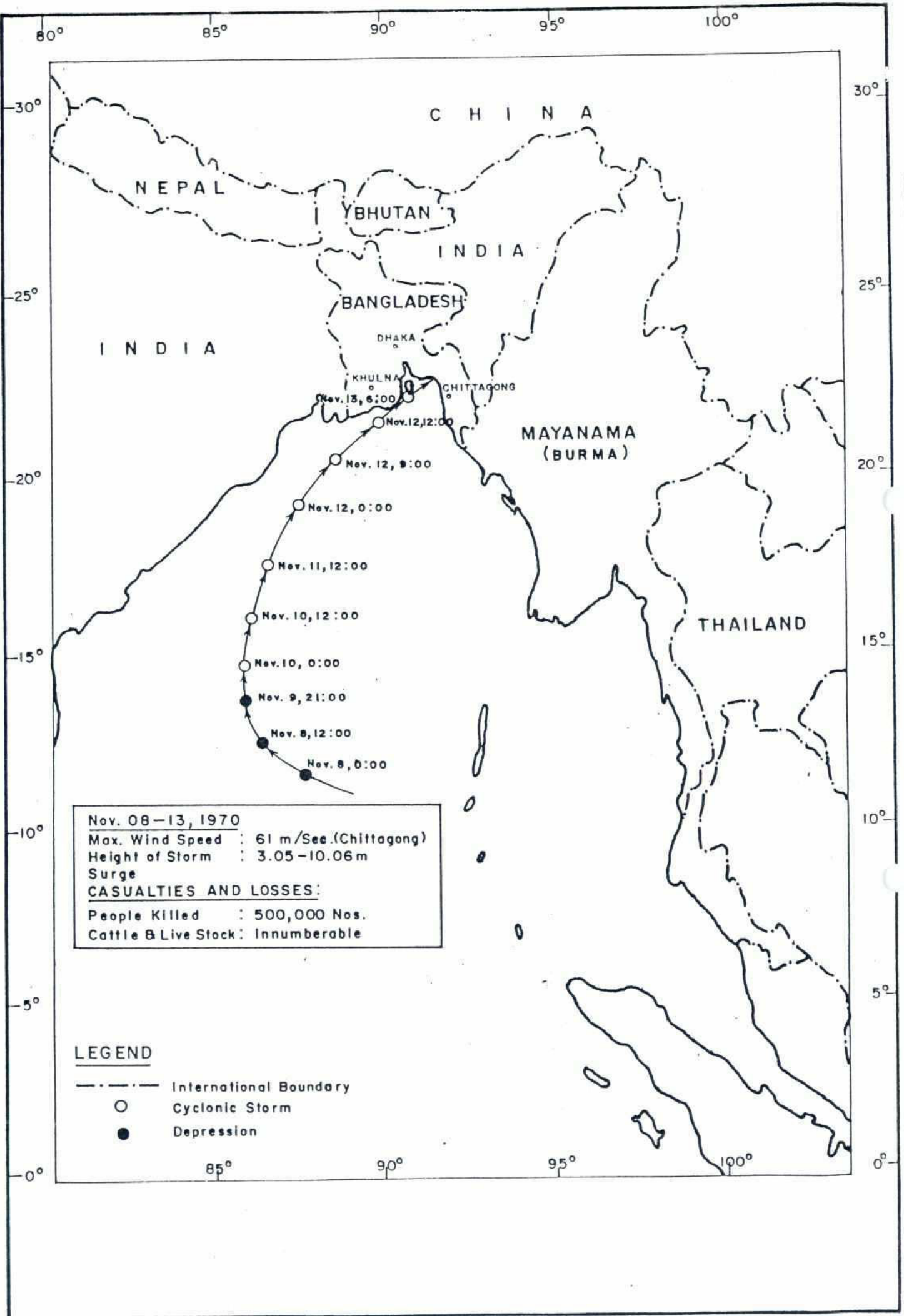


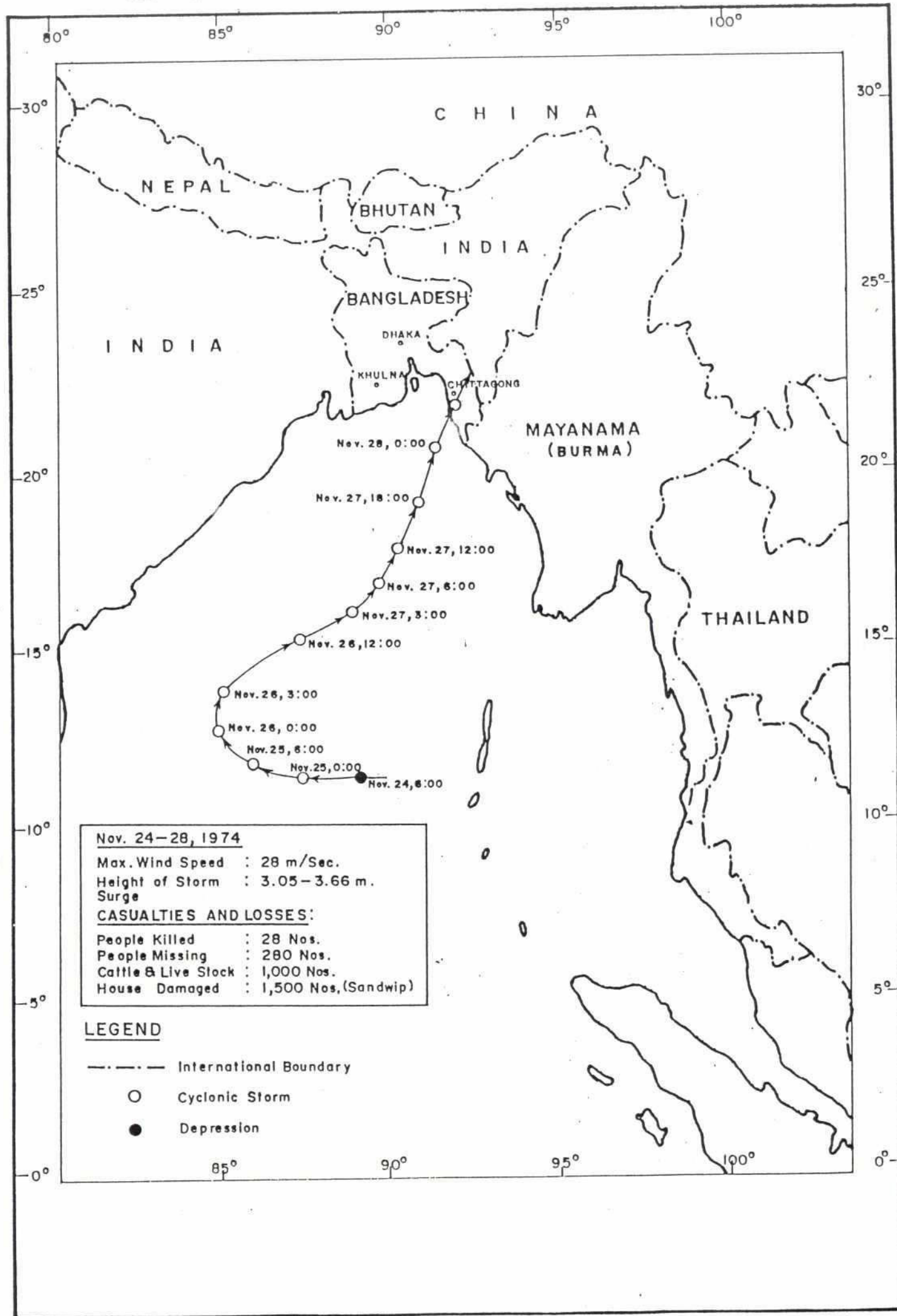
42

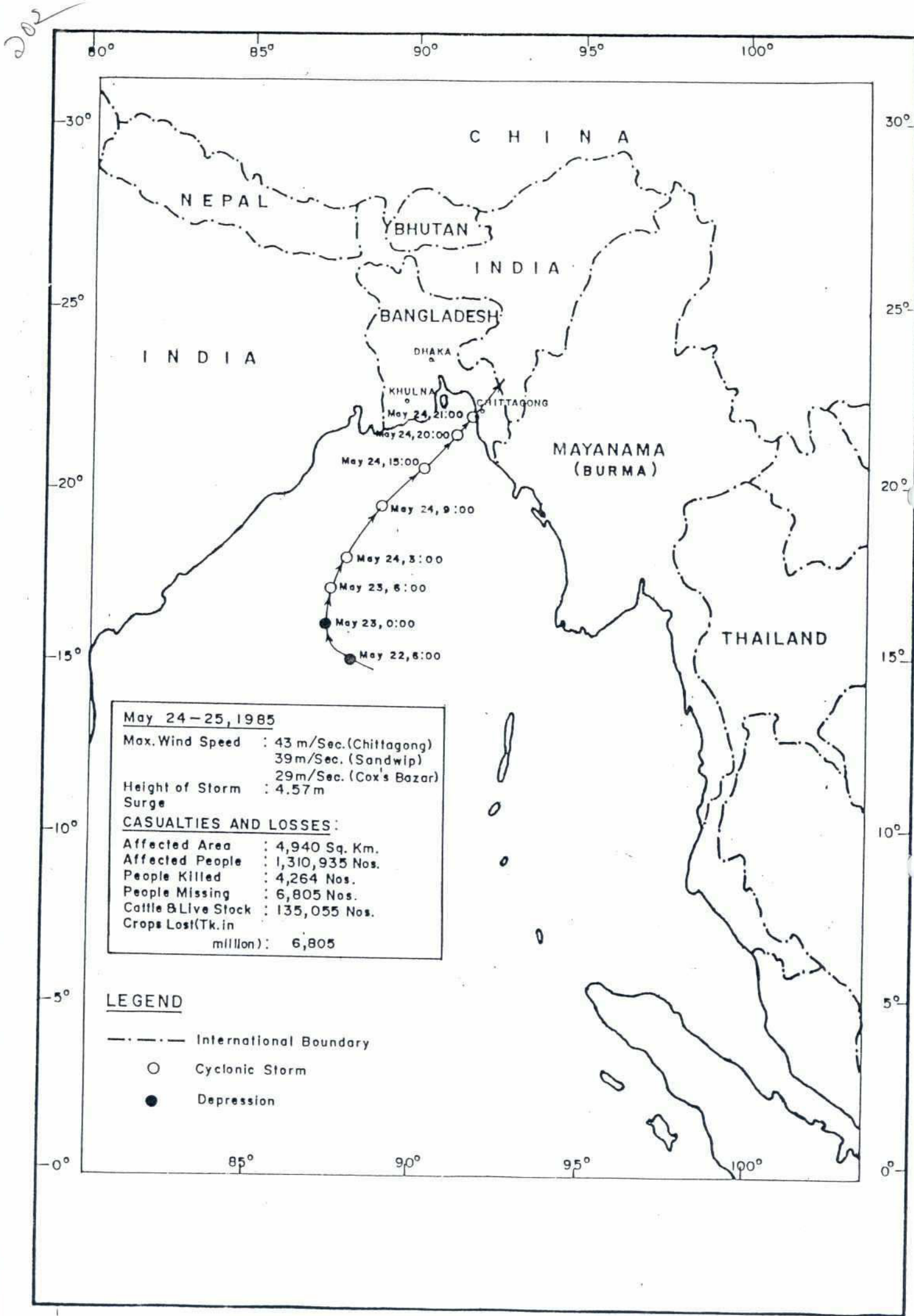


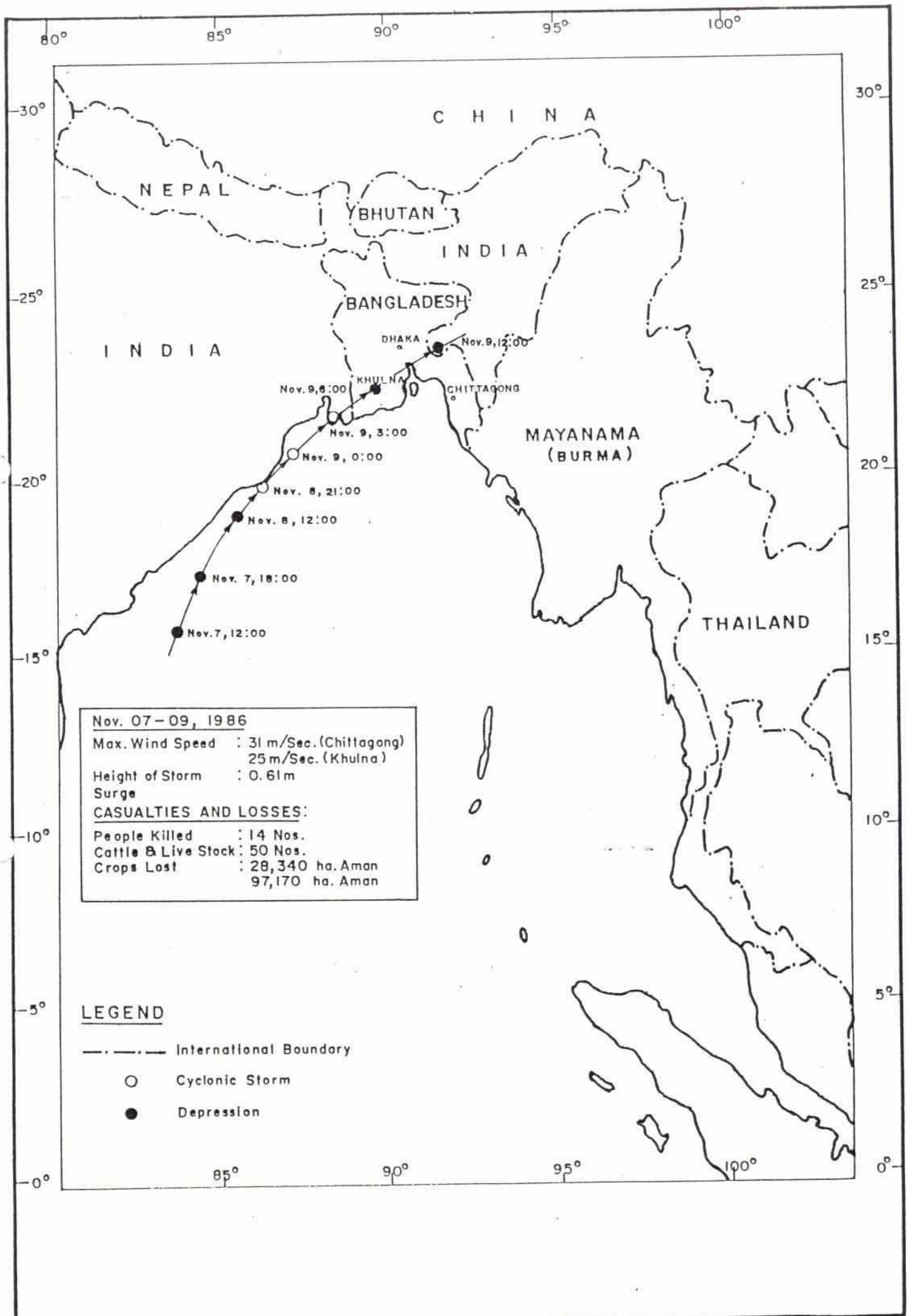


200

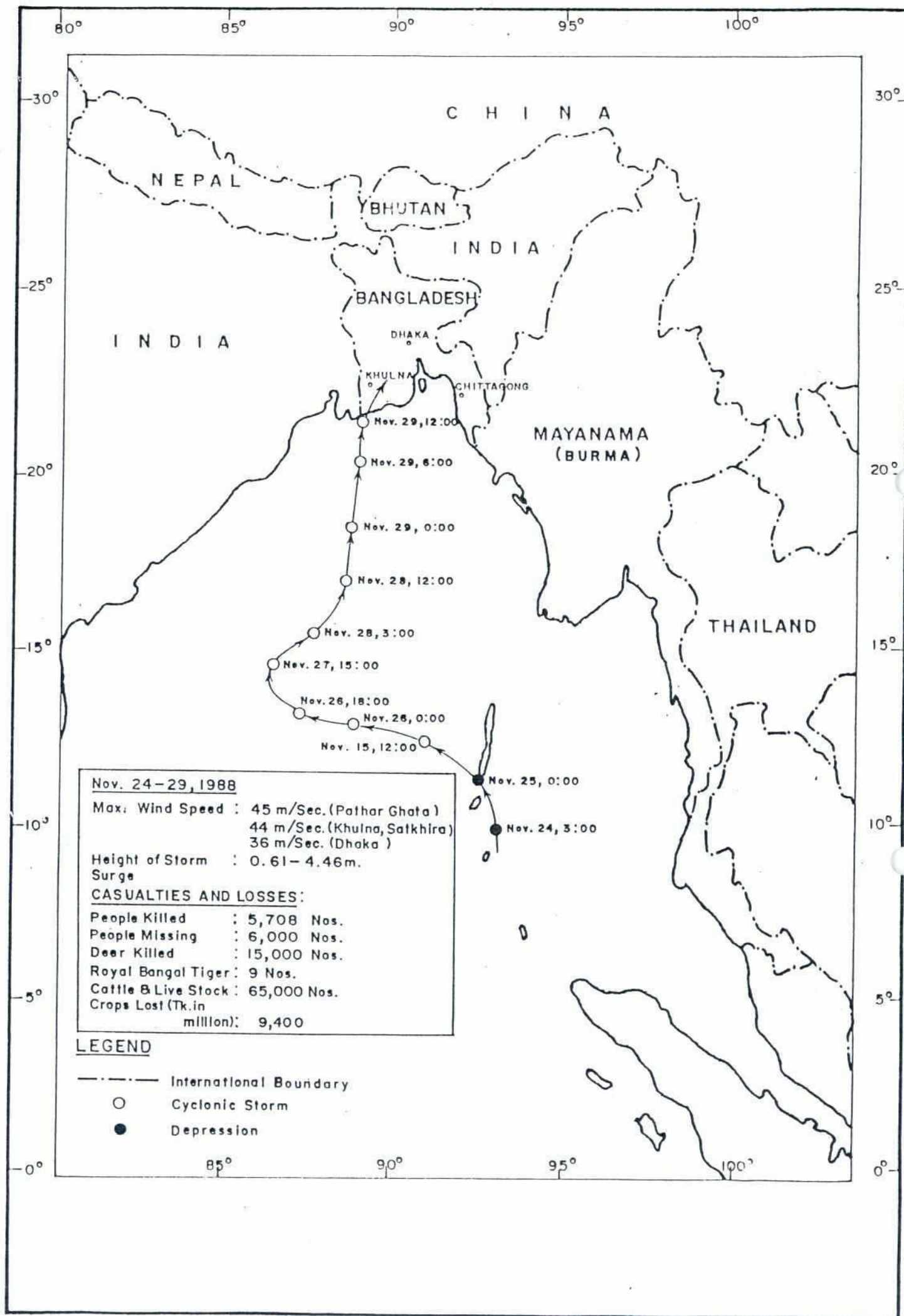








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7. Maximum Wind Speed in Dhaka and its Frequency Analysis

FREQUENCY ANALYSIS OF WIND SPEED OF DHAKA(B.M.D.)

1. ORIGINAL DATA OF WIND SPEED OF DHAKA(B.M.D.)

YEAR	MONTH	WIND SPEED		DIRECTION	
		KNOTS	km/min	DEGREE	
1970	Sep	13	0.401	13	NNE
1971	Aug	13	0.401	13	NNE
1972	Aug	20	0.617	18	NNE
1973	Aug	9	0.278	13	NNE
1974	-	-	-	-	-
1975	Aug	13	0.401	13	NNE
1976	Aug	19	0.586	18	NNE
1977	Aug	19	0.586	13	NNE
1978	Sep	19	0.586	13	NNE
1979	Aug	25	0.772	13	NNE
1980	Aug	13	0.401	13	NNE
1981	Aug	13	0.401	13	NNE
1982	Aug	19	0.586	21	NNE
1983	Sep	19	0.586	13	NNE
1984	Aug	13	0.401	13	NNE
1985	Aug	18	0.555	13	NNE
1986	Sep	18	0.555	13	NNE
1987	Sep	13	0.401	18	NNE
1988	Aug	13	0.401	18	NNE
1989	Aug	13	0.401	13	NNE
1990	Aug	9	0.278	23	NNE

2. PROBABLE WIND SPEED

RETURN PERIOD (YEAR)	WIND SPEED	
	(km/min)	(m/sec)
10	0.64	10.6
20	0.71	11.8
30	0.75	12.5
40	0.78	13.0
50	0.80	13.3
60	0.82	13.7
70	0.83	13.8
80	0.85	14.2
90	0.86	14.3
100	0.87	14.5
200	0.94	15.7
300	0.98	16.3
400	1.00	16.6
500	1.03	17.2

8. Hydraulic simulation of 1988 Floods for
Without Flood Mitigation Plan

12. River Model of Without Project

RIVER MODEL		MAIN MENU		Version 2.10	
				File Name	
X	A.	River / Catchment	:	RIVER1	
X	B.	Boundaries / Time Series	:	BOUND1	
	C.	Transport dispersion and cohesive sediment	:		
	D.	Water quality	:		
	E.	Non cohesive sediment	:		
X	G.	Supplementary data	:	MAN1	
X	H.	Calculation	:		
X	J.	Presentation of results	:	RES-B7	
A-J)				!	
X	:	Installed Modules	:	Data area	468 Kb
			:	Free disk space	19058 Kb
Current directory : C:\PROJECTS\WOUT1					
<Esc> Return to Opening Menu				<F1> Help Menu	

2). River System of Withord Project

MENU A.5	RIVER SYSTEM	GENERAL VIEW	MIKE 11
1	RIVER BRANCHES	.....	number 8
2	RIVER CROSS-SECTIONS	.....
3	BROADCRESTED WEIRS	.....	0
4	SPECIAL WEIRS	.....	0
5	CULVERTS	.....	0
6	$Q = Q(t)$	.....	0
7	$Q = f(Q, h \text{ upstream})$	.....	0
8	Q-h BOUNDARIES	.....	0
9	CATCHMENTS	.....	0
0	TEXT	.....	0
D	DATA BASE NAME (cross-sections) CROSS-B1		
A	ADD ON NODULES		

Select : <Enter> or (0-9,O,T,D,A)
<Esc> return to Menu A <F1> Help Menu

A.5.1	RIVER	SYSTEM
Topo - ID	River name	Km. upstr. Km. dnstr. dx-max(m)
Upstream connection	Downstream connection	
1988-B1	TURAG	0.000 37.500 2000
	BURIGANGA	0.000
1988-B1	LAKHYA	0.000 23.900 2000
	DHALESWARI	57.700
1988-B1	BALU	0.000 28.700 2000
	LAKHYA	3.600

Entr: (E/I/F/D/T/B/L/ESC) Edit Insert Find Delete Top Bottom Line <esc>=return

A.5.1	RIVER	SYSTEM
Topo - ID	River name	Km. upstr. Km. dnstr. dx-max(m)
Upstream connection	Downstream connection	
1988-B1	DHALESWARI	0.000 60.200 2000
	DHALESWARI	60.200
1988-B1	BANSI	0.000 9.000 2000
	DHALESWARI	0.000
1988-B1	BURIGANGA	0.000 17.500 2000
	DHALESWARI	45.700

Entr: (E/I/F/D/T/B/L/ESC) Edit Insert Find Delete Top Bottom Line <esc>=return

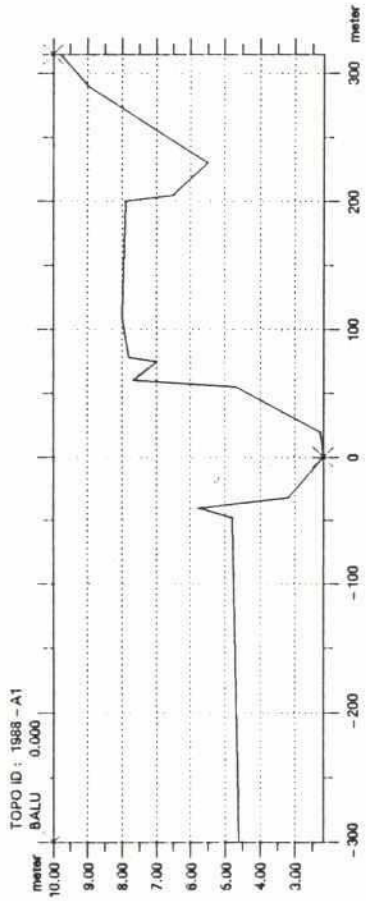
A.5.1	RIVER	SYSTEM
Topo - ID	River name	Km. upstr. Km. dnstr. dx-max(m)
Upstream connection	Downstream connection	
1988-B1	TONGI	0.000 16.000 2000
	BALU	7.200
1988-B1	KARNATALI	0.000 11.900 2000
	DHALESWARI	0.800 TURAG 27.000
		0.000 0.000 10000

Entr: (E/I/F/D/T/B/L/ESC) Edit Insert Find Delete Top Bottom Line <esc>=return

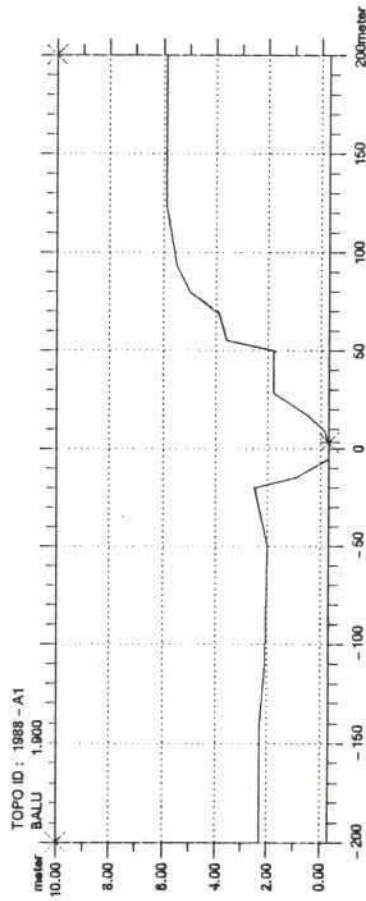
3) River Cross Section of Without Project

CROSS-B1

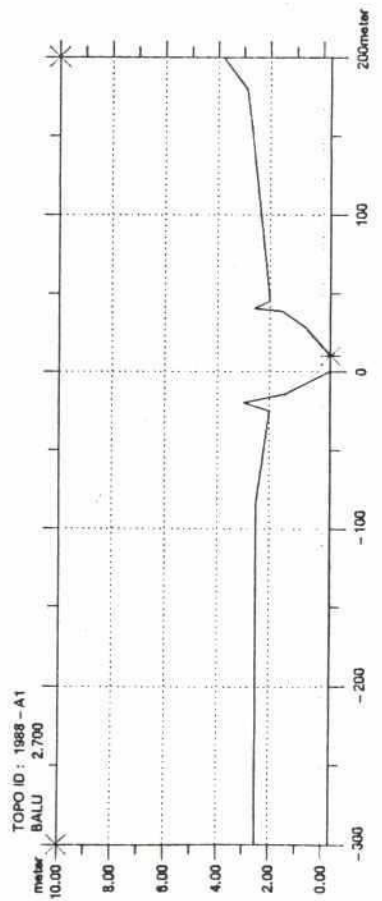
B-7A (Acc. dis. = 28.7)



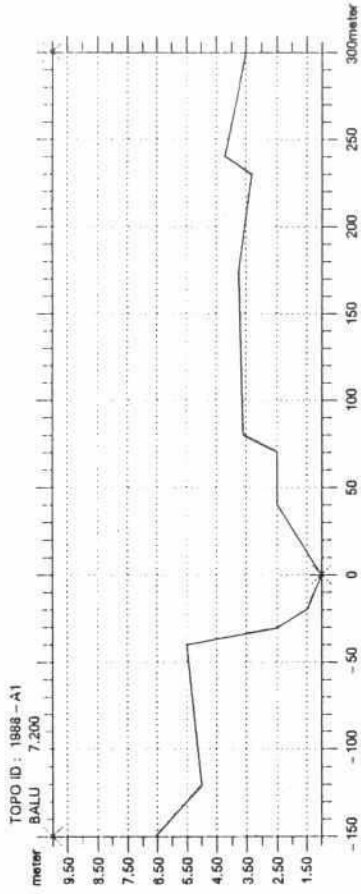
B-7 (Acc. dis. = 26.8)



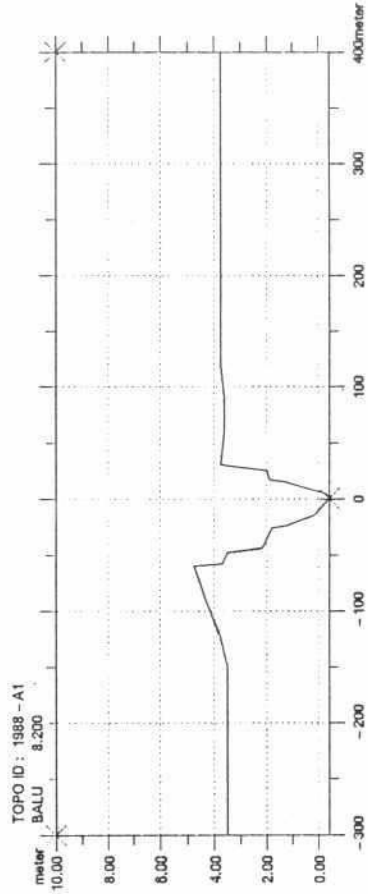
B-6B (Acc. dis. = 26.0)



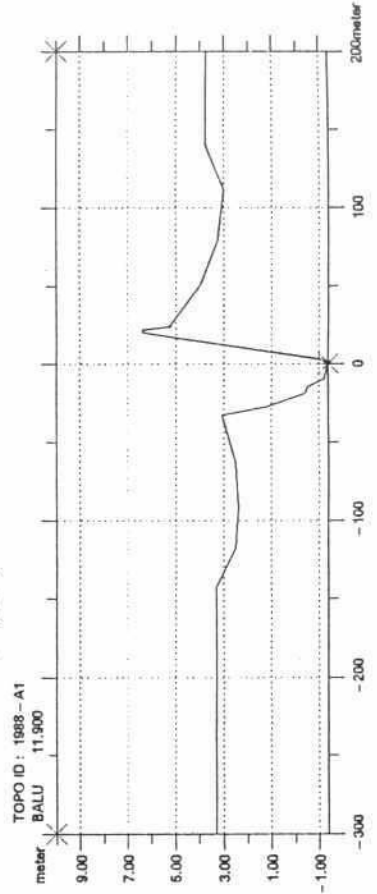
B-6A (Acc. dis. = 21.5)



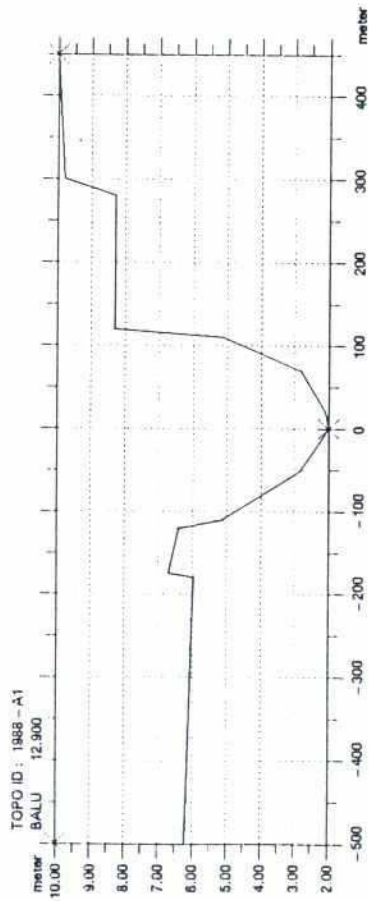
B-6 (Acc. dis. = 20.5)



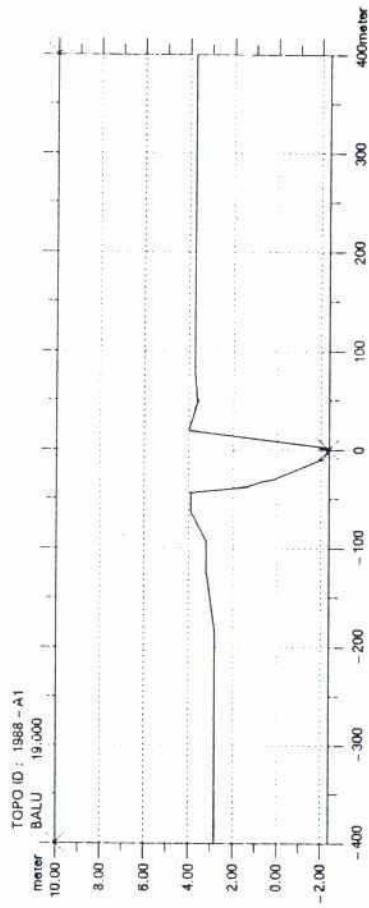
B-5 (Acc. dis. = 16.8)



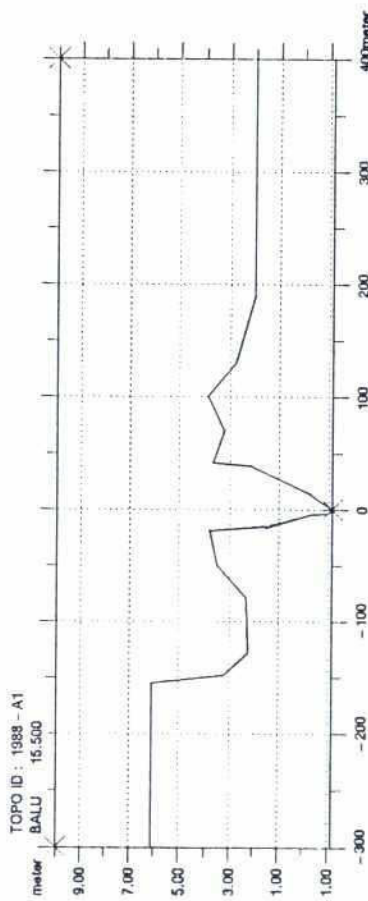
B-4A (Acc dis. = 15.8)



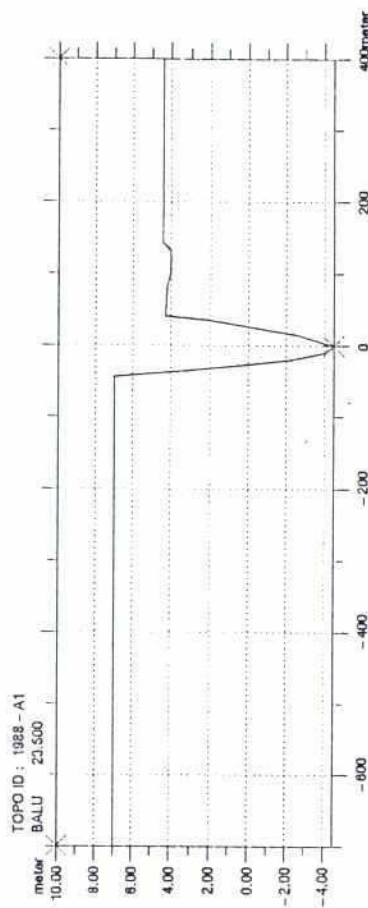
B-3 (Acc dis. = 9.7)



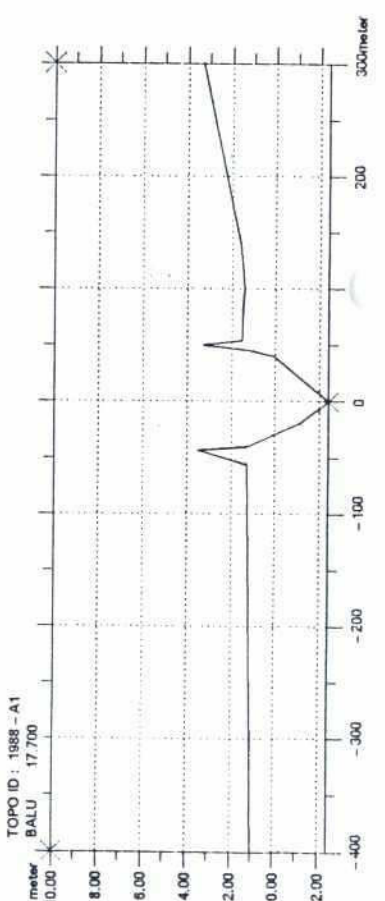
B-4 (Acc dis. = 13.2)



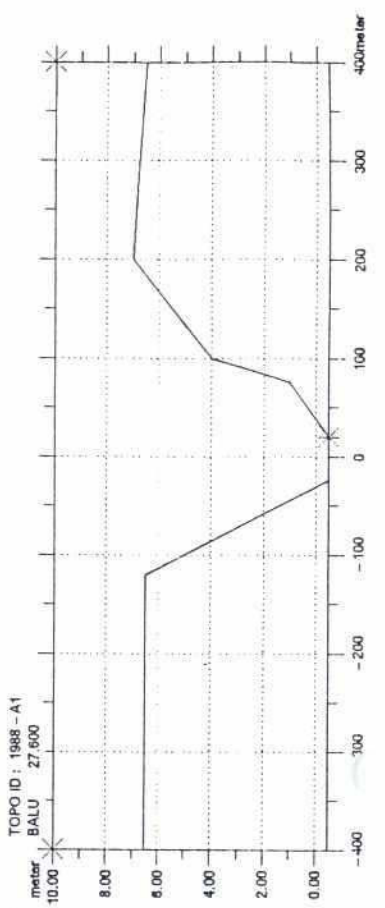
B-2 (Acc dis. = 5.2)



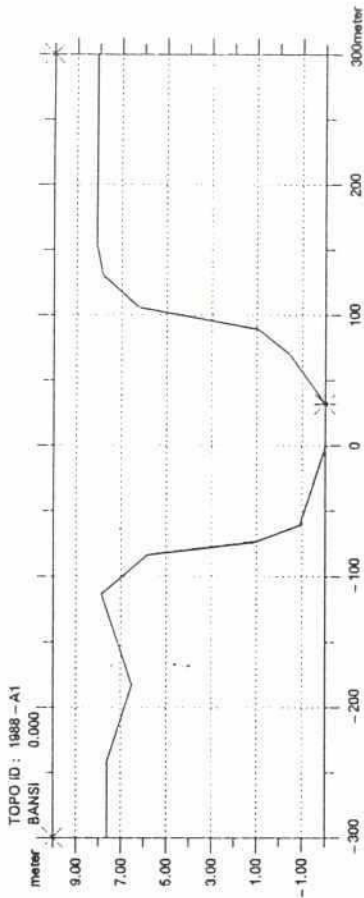
B-3A (Acc dis. = 11.0)



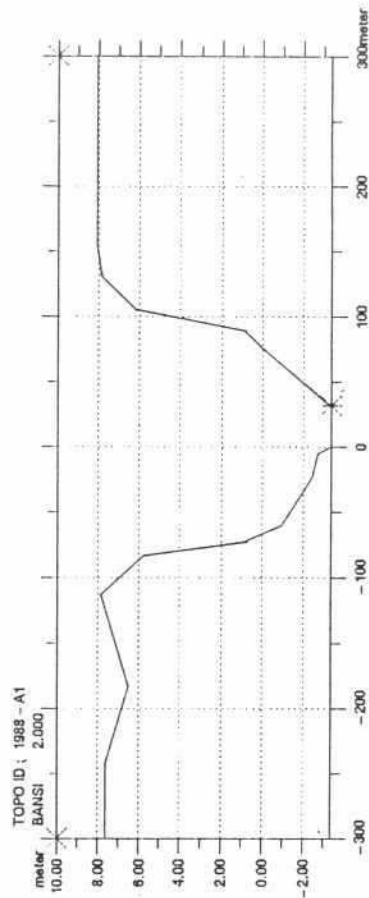
B-2A (Acc dis. = 1.1)



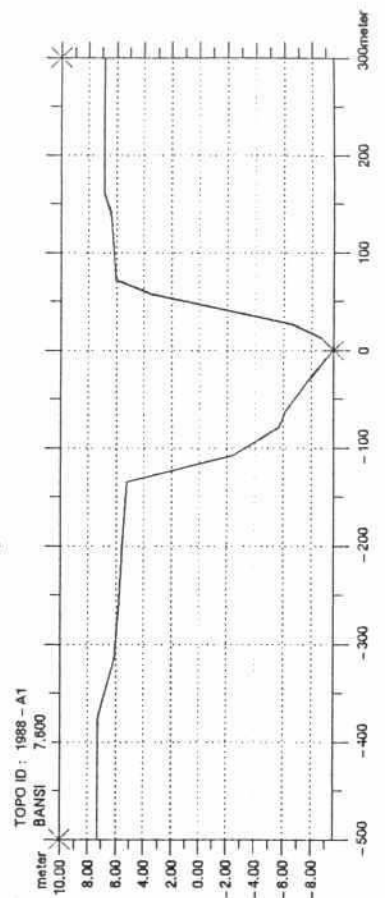
BHI-25A (Acc. dis. = 9.0) : Nayarhat



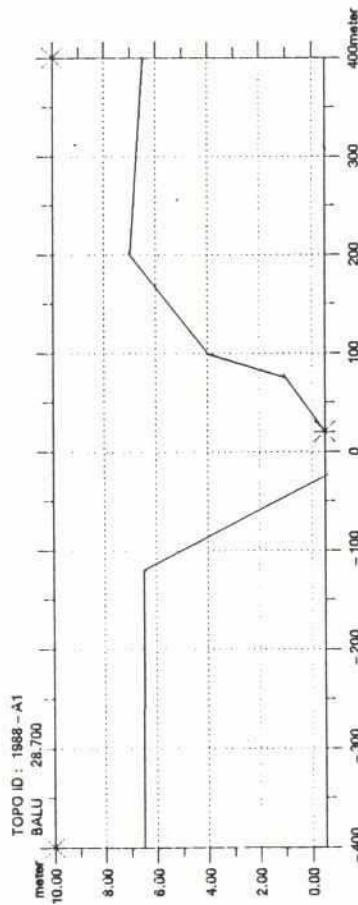
BHI-25 (Acc. dis. = 7.0)



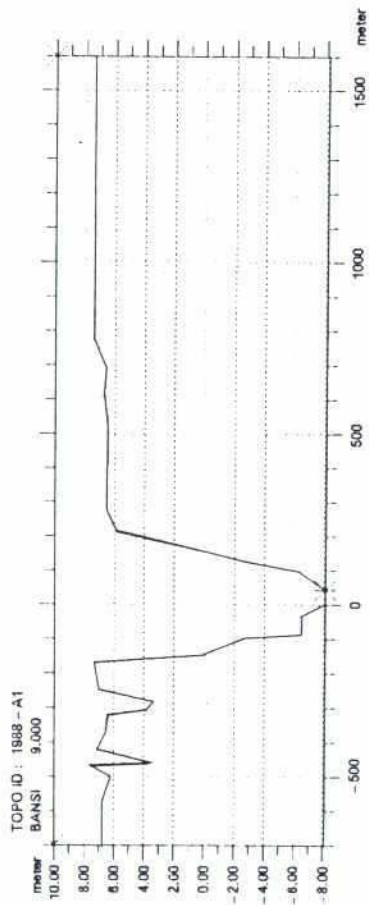
BHI-26 (Acc. dis. = 1.4) : Savar



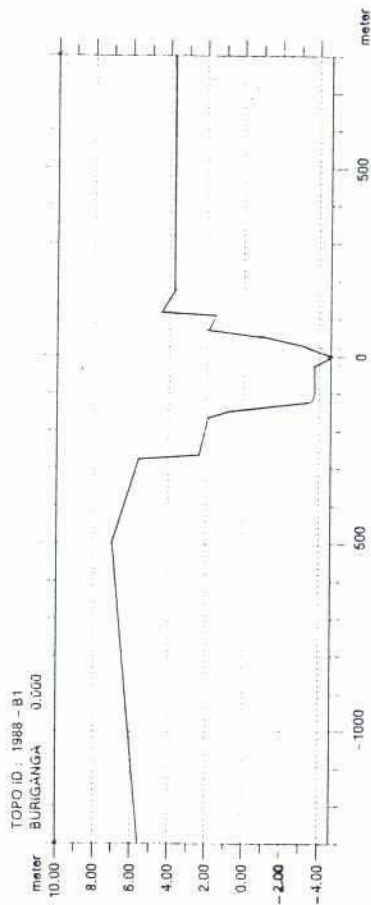
B-1A (Acc. dis. = 0)



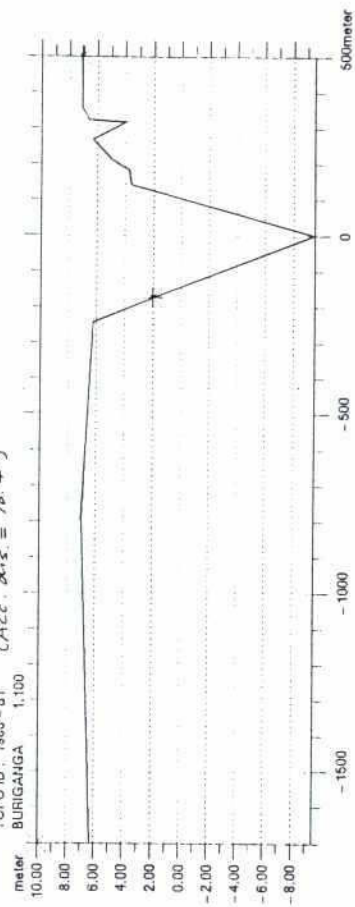
D-14A (Acc. dis. = 0)



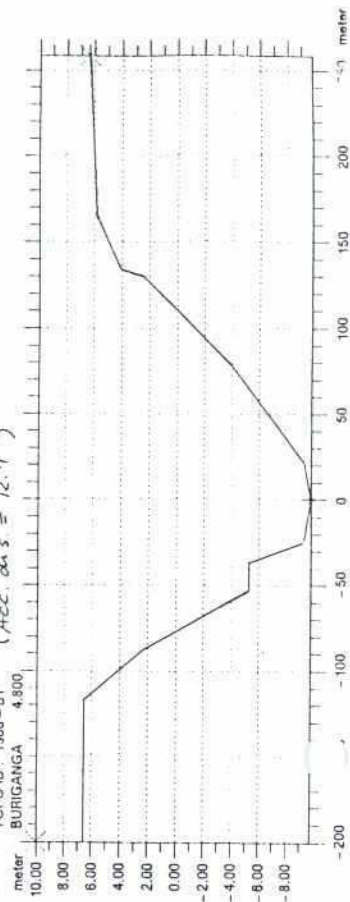
TU-1 (Acc. dis. = 17.5 km)



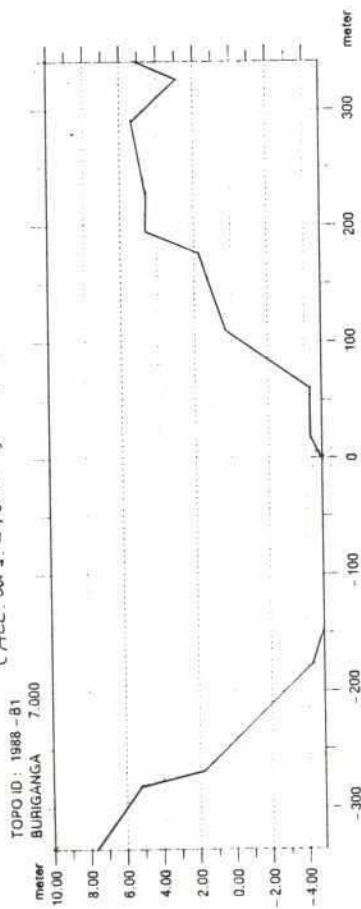
BGA-6
TOPO ID: 1988-B1
BURIGANGA 1,100
(Acc. dis. = 16.4)



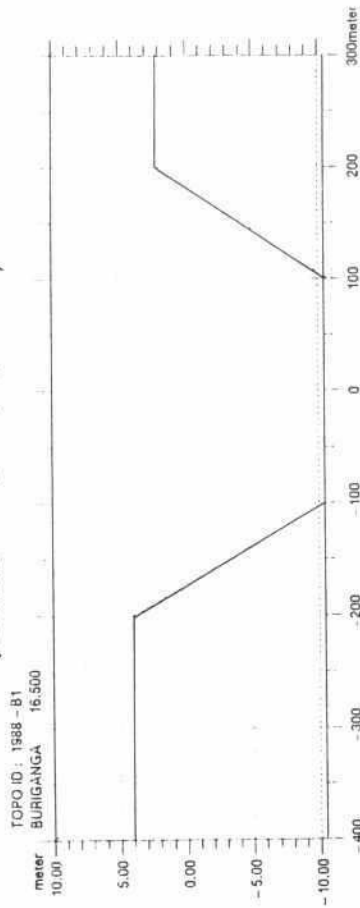
BGA-5
TOPO ID: 1988-B1
BURIGANGA 4,900
(Acc. dis. = 12.7)



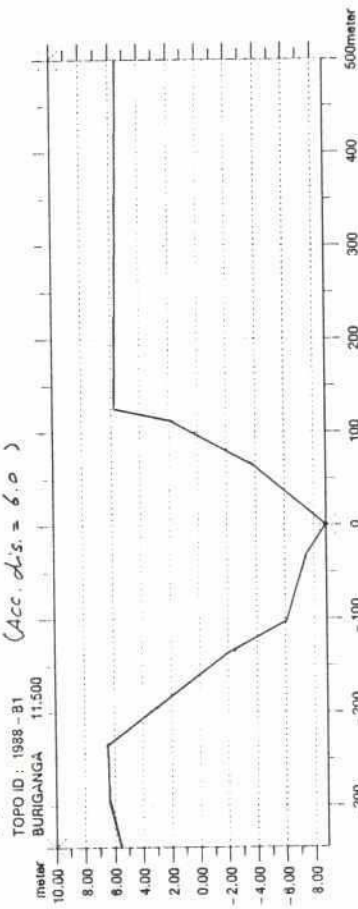
BGA-4 (Acc. dis. = 10.5) : Miss Bonak



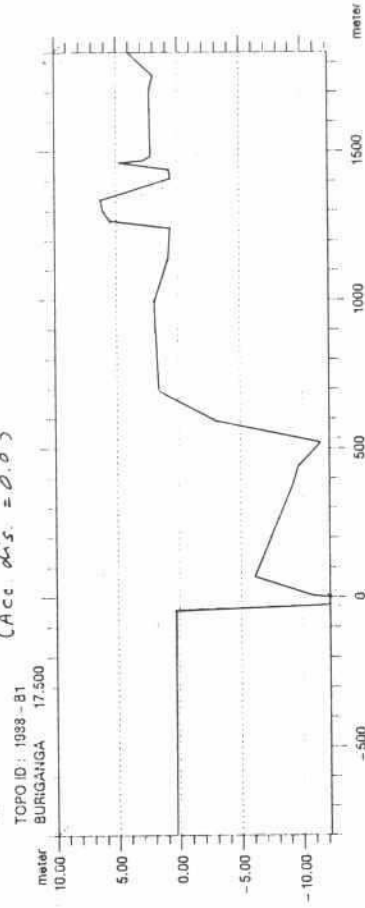
BGA-2A (Acc. dis. = 1.0) : Hanikharpan



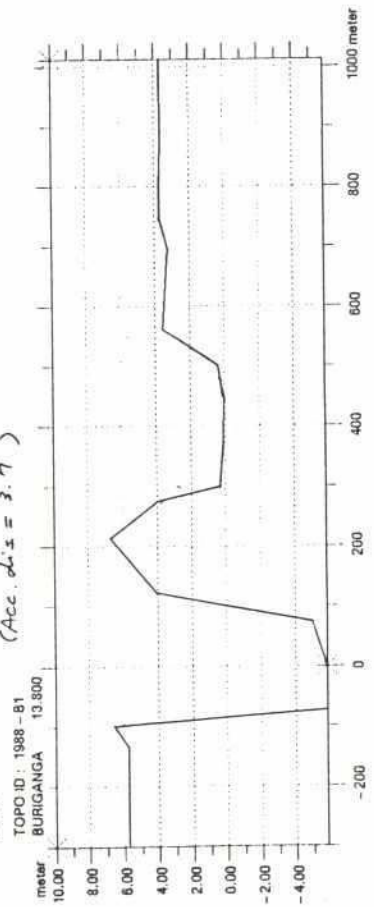
BGA-3 (Acc. dis. = 6.0)



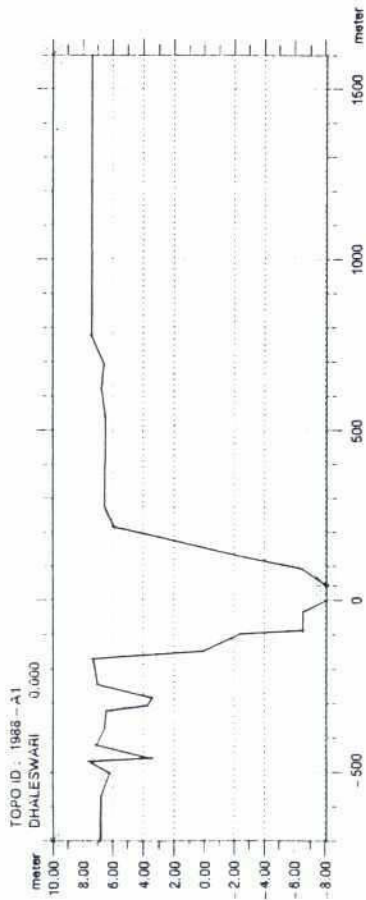
BGA-1 (Acc. dis. = 0.0)



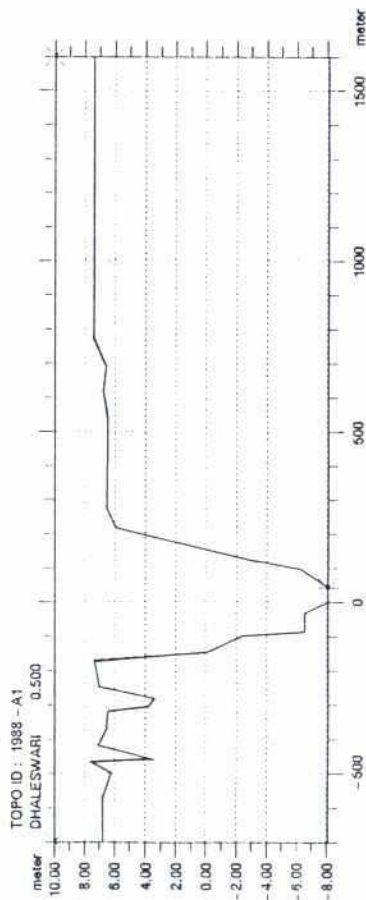
BGA-2 (Acc. dis. = 3.7)



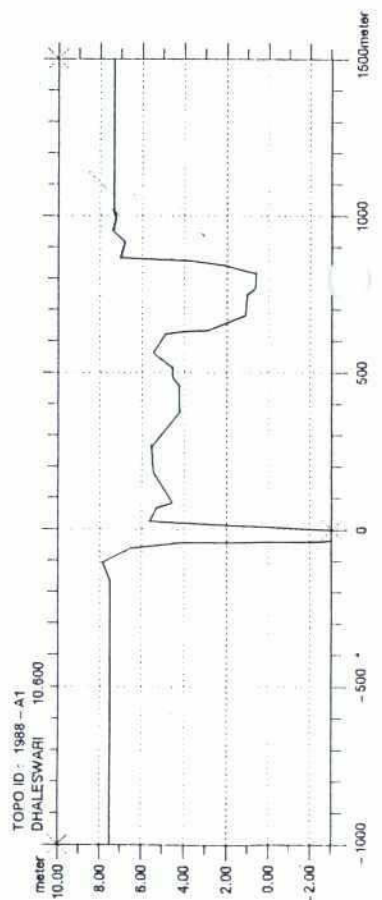
D-14 A (Acc. dis = 60.2)



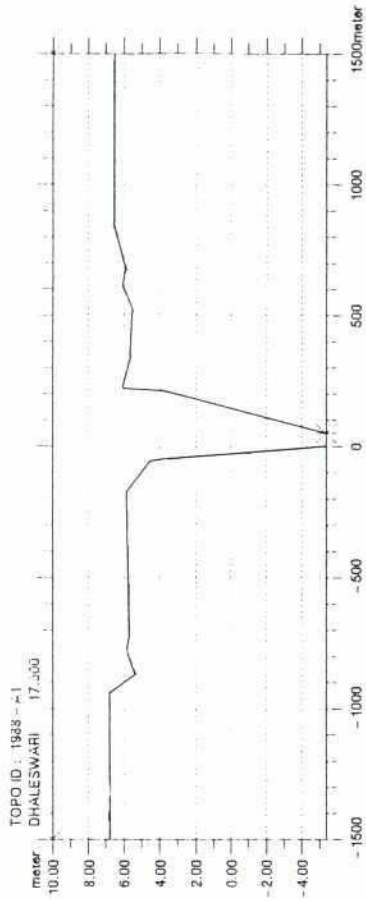
D-14 (Acc. dis = 59.7)



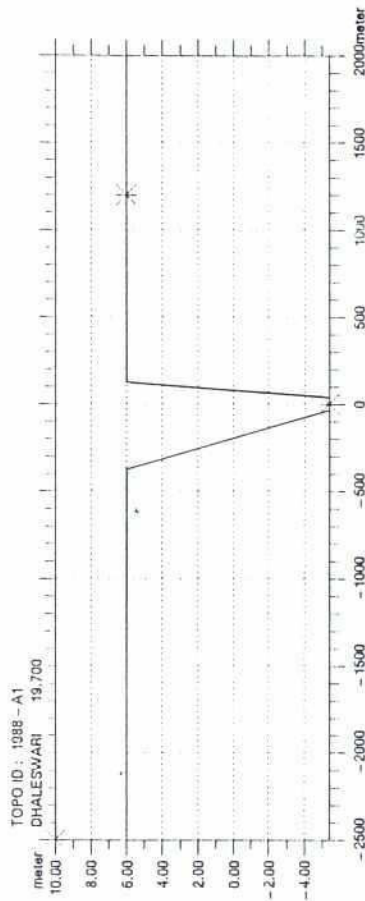
D-15 (Acc. dis = 49.6)



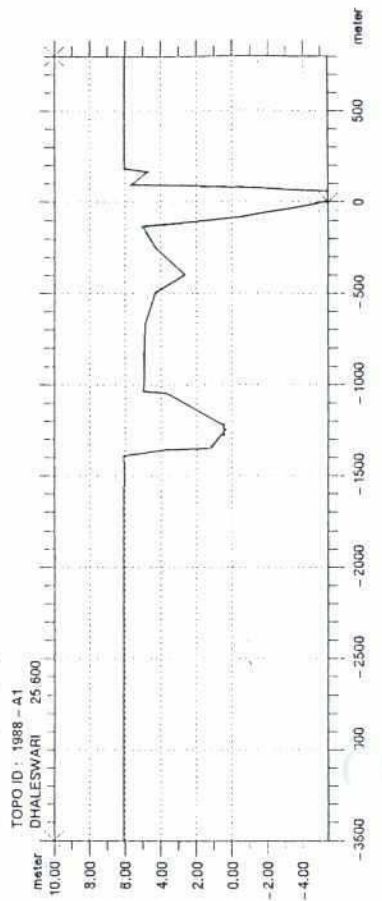
D-16 (Acc. dis = 42.9)



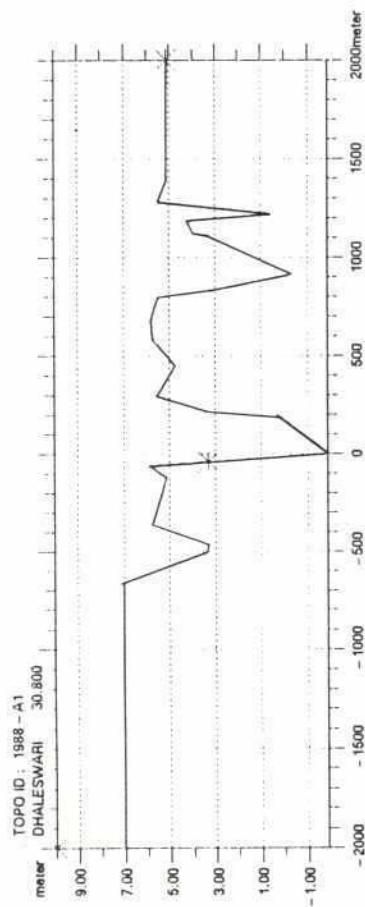
D-16 A (Acc. dis = 40.5) Kalatia



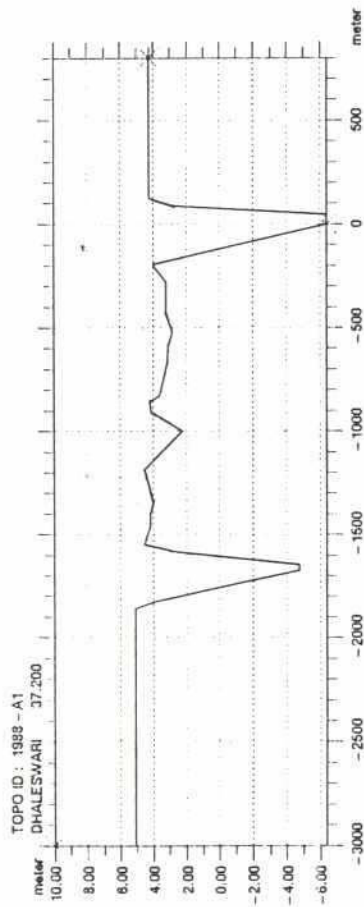
D-17 (Acc. dis = 34.6)



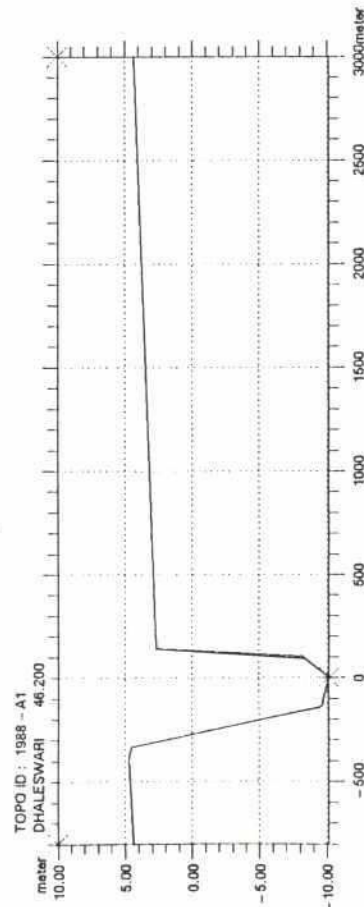
D-18 (Acc. dis. = 29.4)



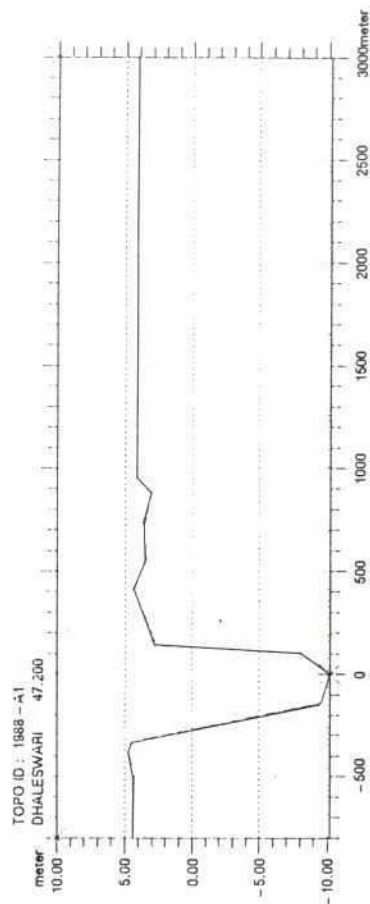
D-19 (Acc. dis. = 23.0)



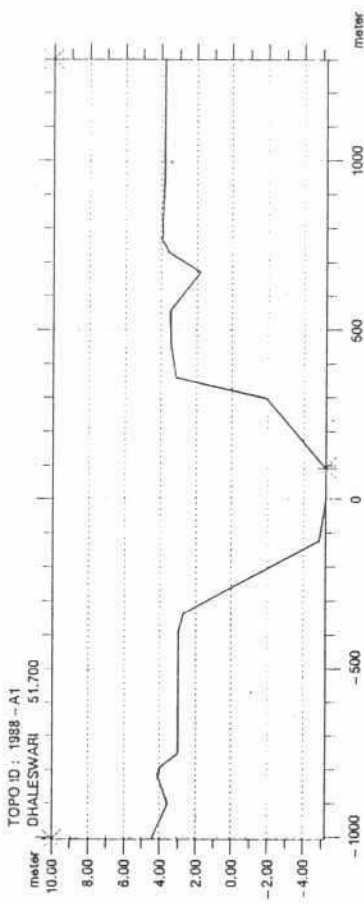
D-19 A (Acc. dis. = 14.0)



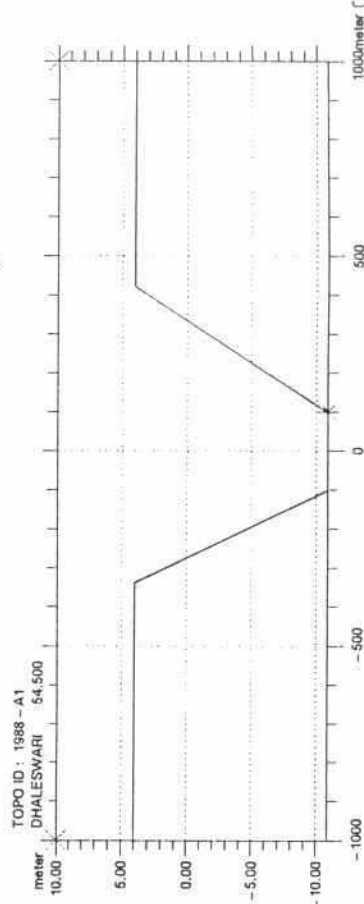
D-20 (Acc. dis. = 13.2)



D-21 (Acc. dis. = 8.5)

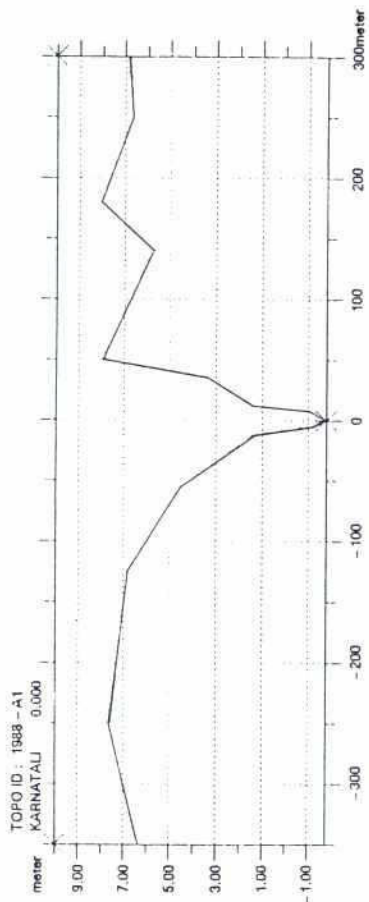


D-21 A (Acc. dis. = 5.7) Rekabi Bazar

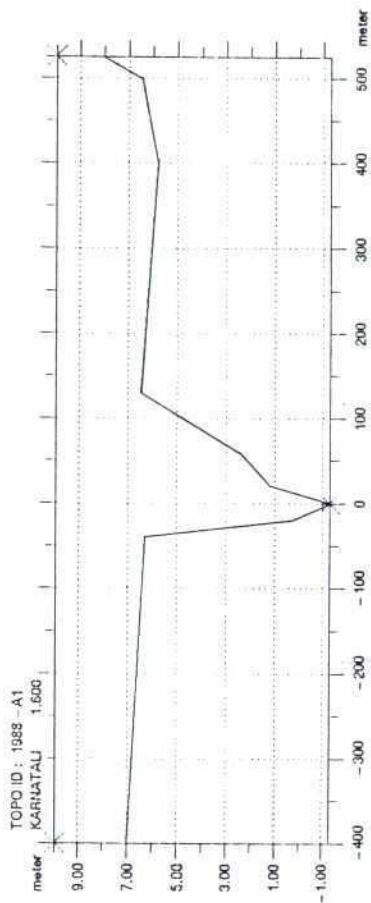


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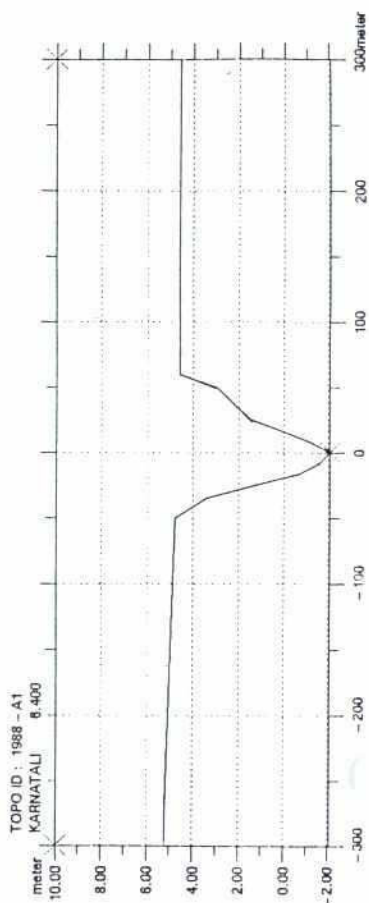
K-4 (Acc. dis = 11.9)



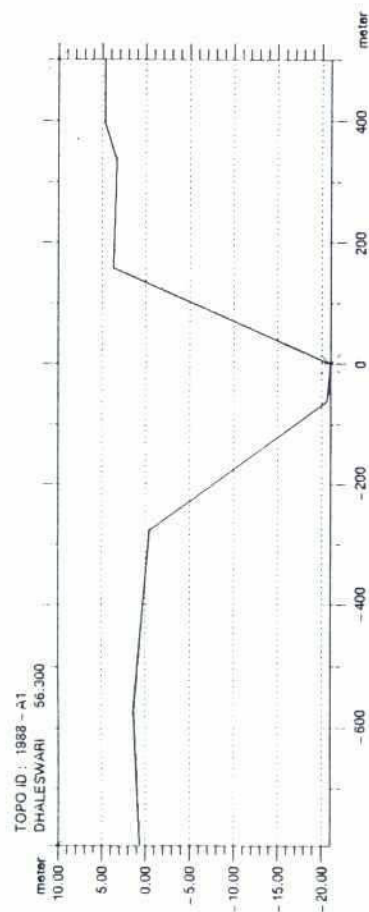
K-3 (Acc. dis = 10.3)



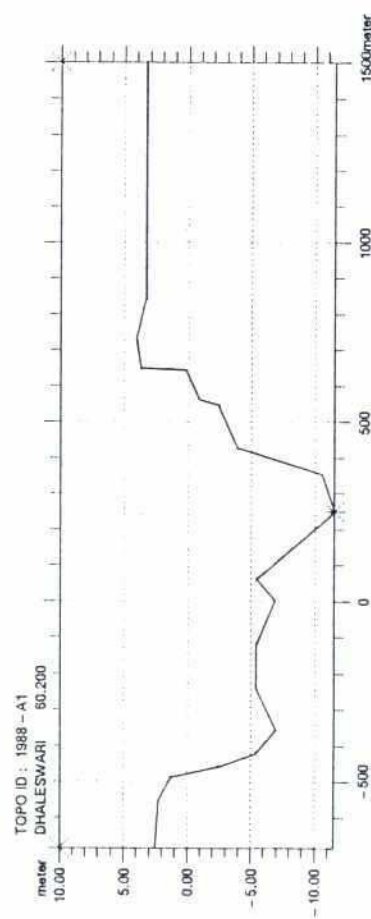
K-2 (Acc. dis = 5.5)



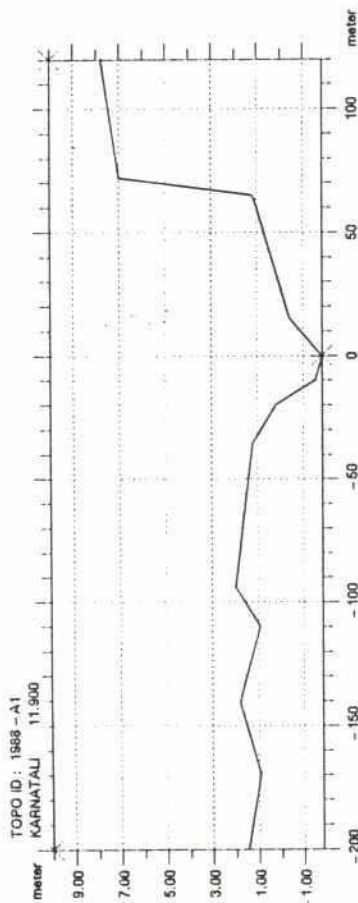
D-22 (Acc. dis = 3.9)



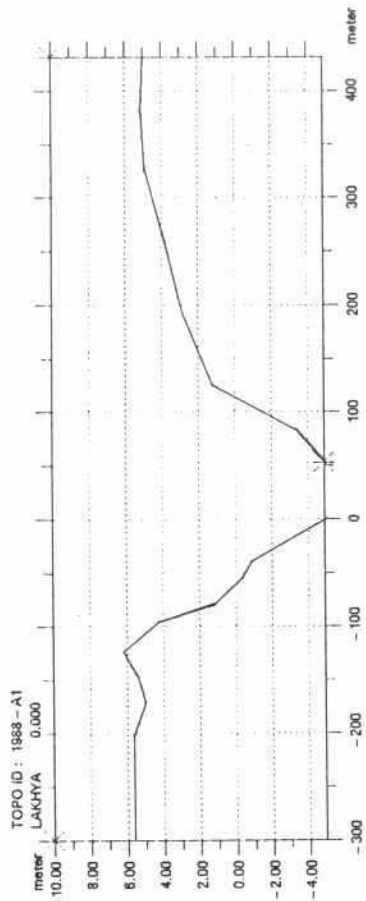
D-23 (Acc. dis = 0)



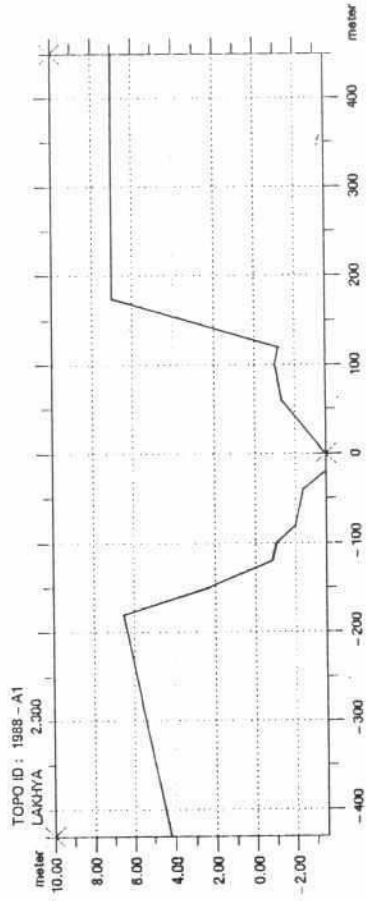
K-1 (Acc. dis. = 0 Km)



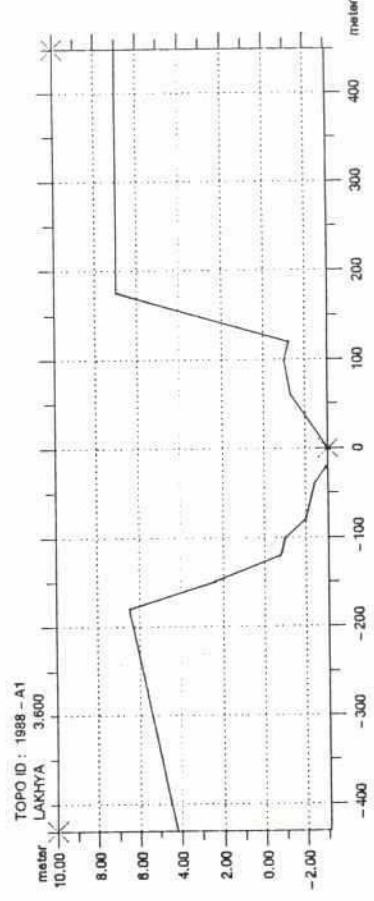
L-16 (Acc. dis. = 23.9)



L-16A (Acc. dis. = 21.6) : Demra 179

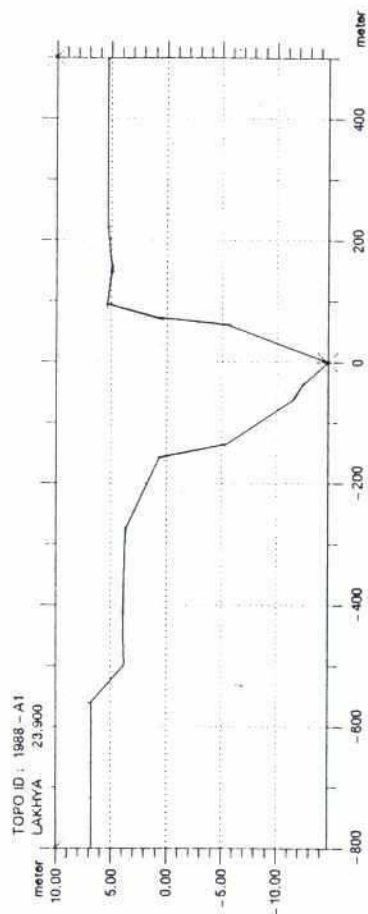


L-16/1 (Acc. dis. = 20.3)

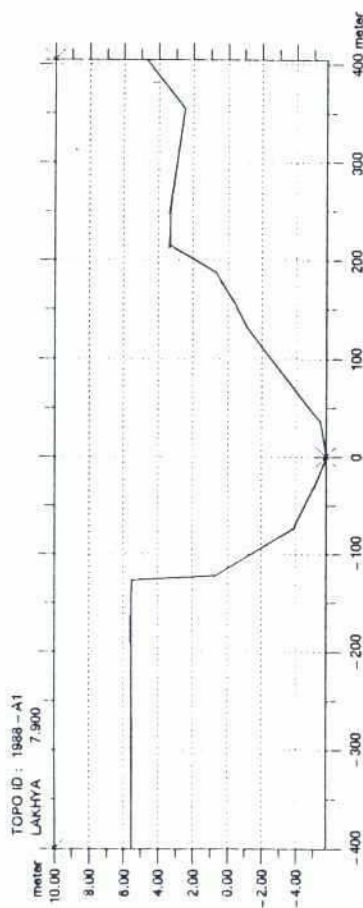


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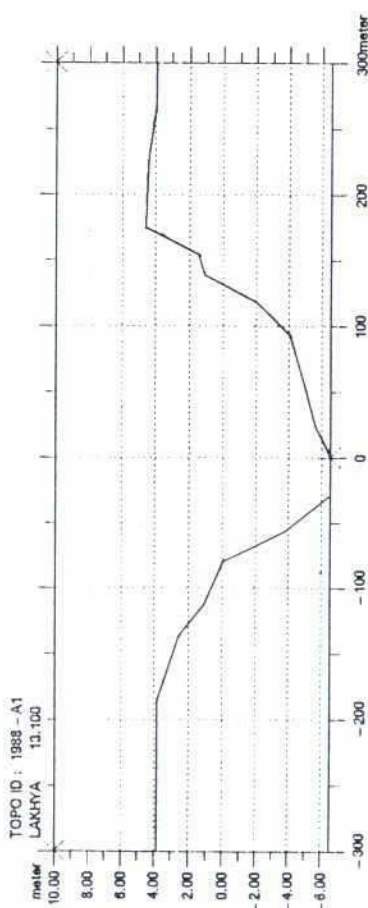
L-19A (Acc. dis. = 0)



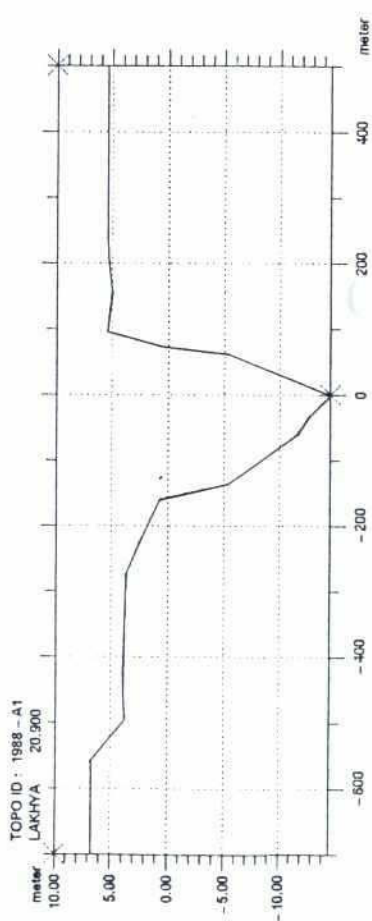
L-17 (Acc. dis. = 16.0)



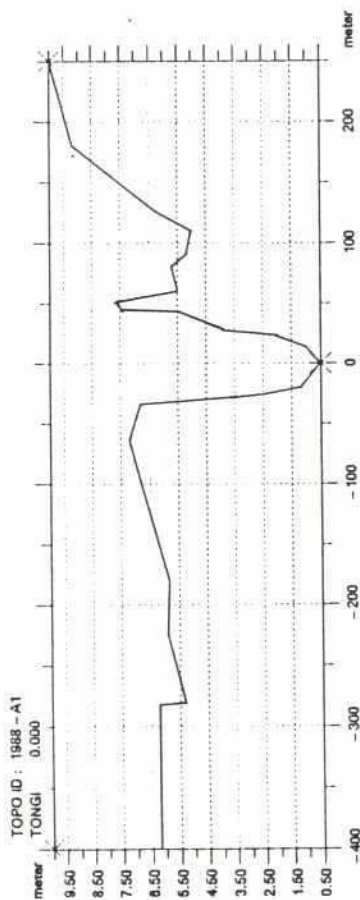
L-18 (Acc. dis. = 10.8)



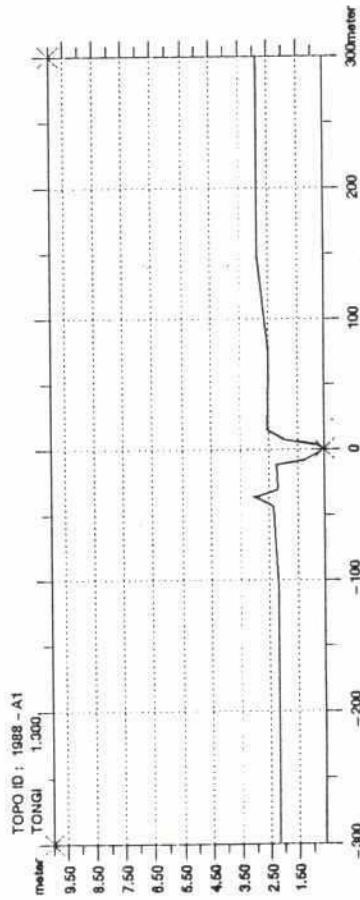
L-19 (Acc. dis. = 3.0)



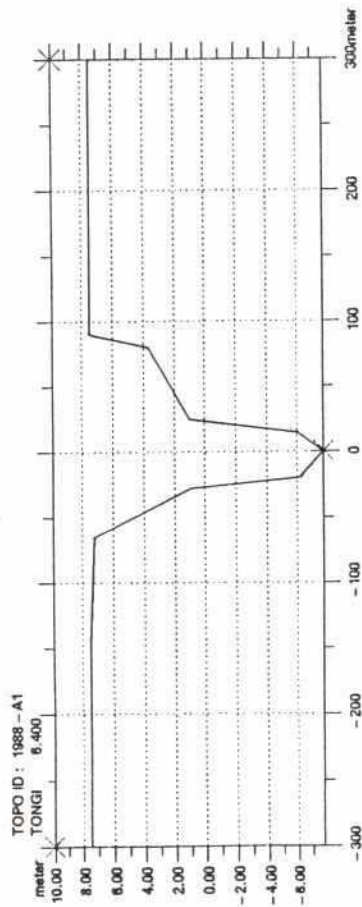
TON-1 A (Acc. dis. = 16.0)



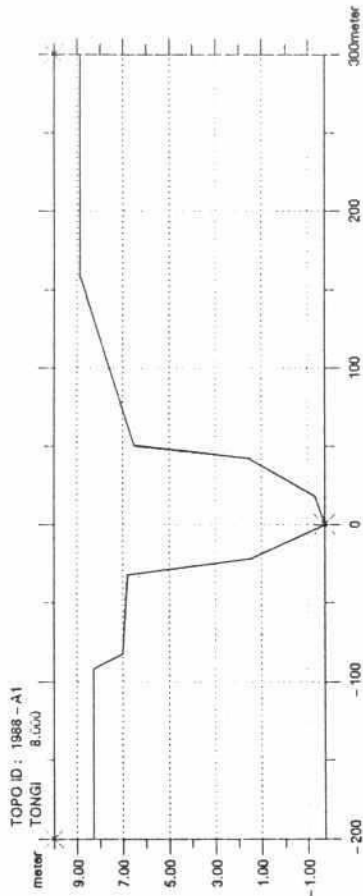
TON-1 (Acc. dis. = 14.7)



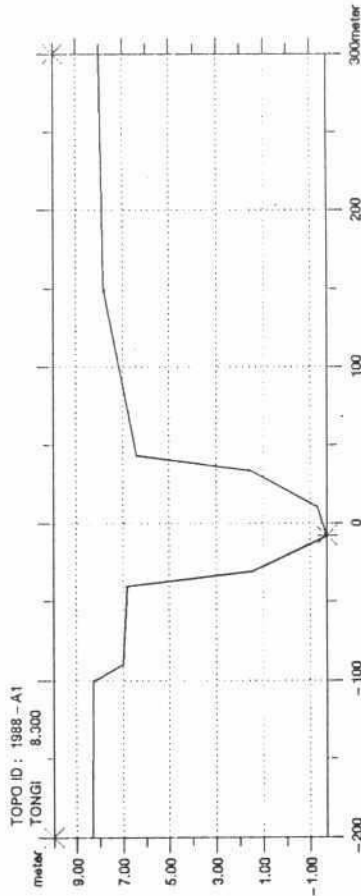
TON-2 (Acc. dis. = 9.6)



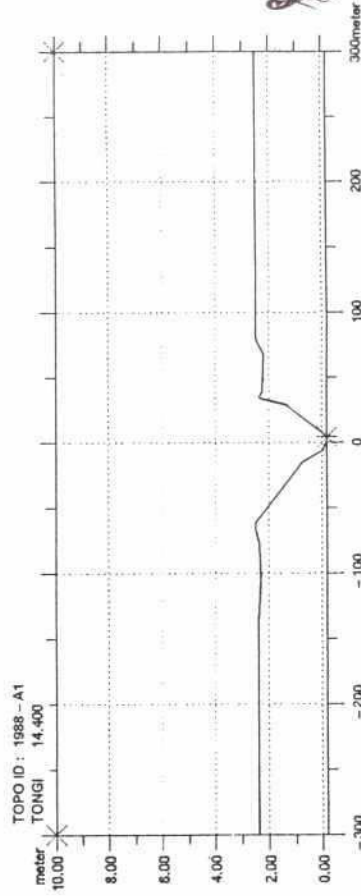
TON-2 B (Acc. dis. = 8.0)



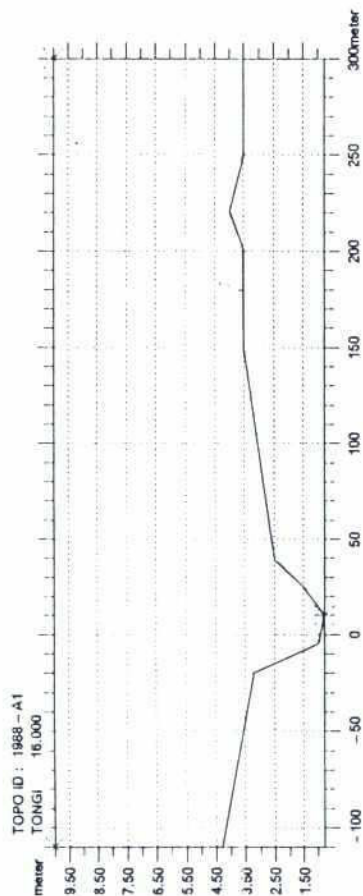
TON-2 A (Acc. dis. = 7.7)



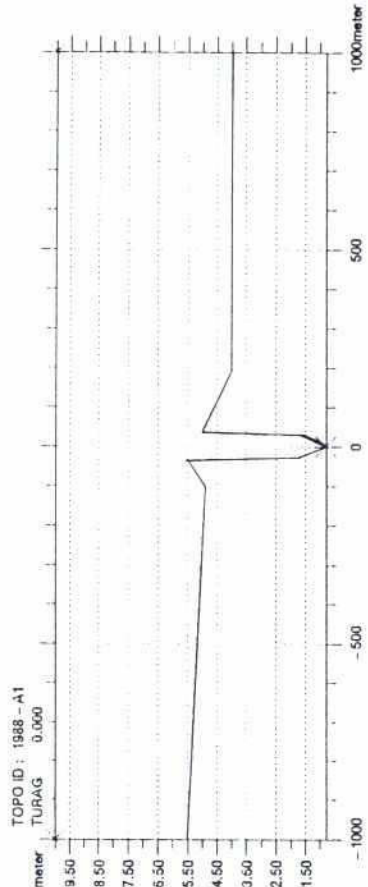
TON-3 (Acc. dis. = 1.6)



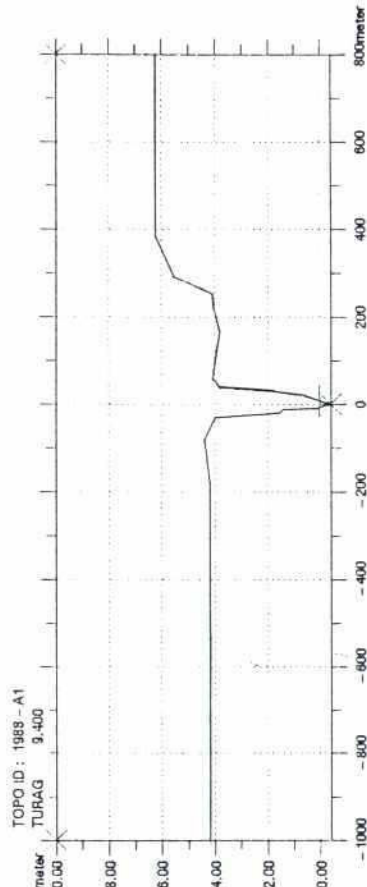
TUN-3A (Acc dis = 0)



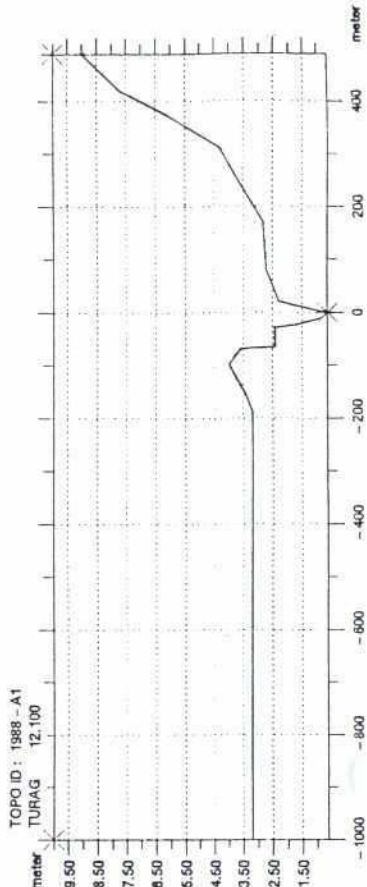
TU-12A (Acc dis = 37.5)



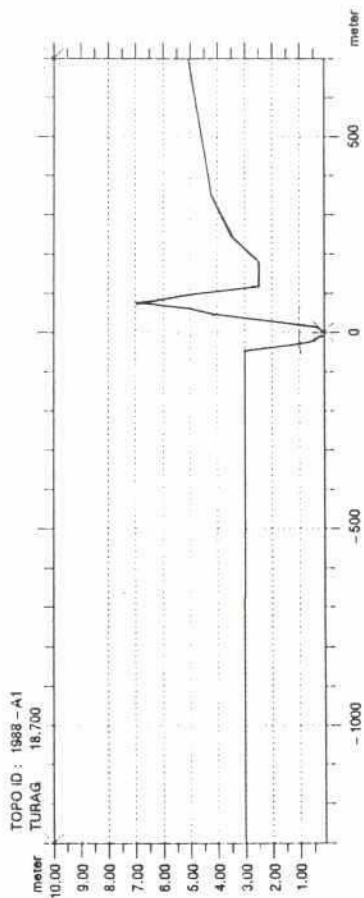
TU-12 (Acc dis = 28.0)



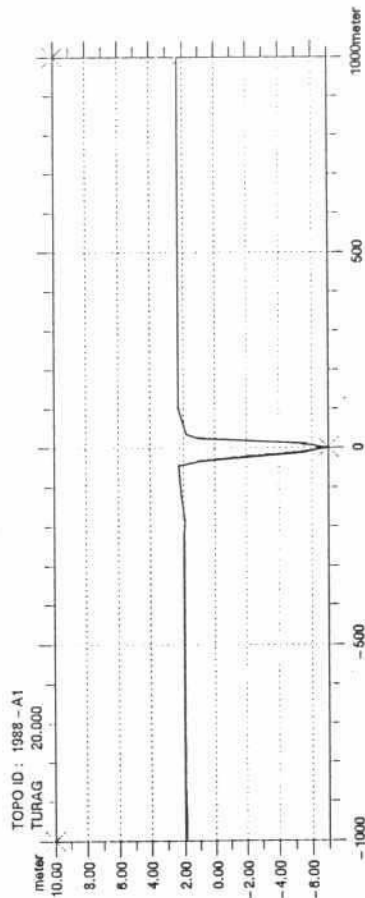
TU-11 (Acc dis = 25.4)



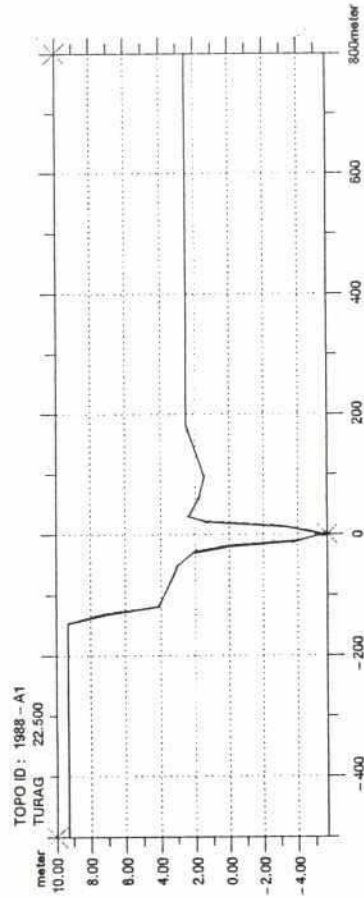
TU-8A (Acc. dis. = 18.8)



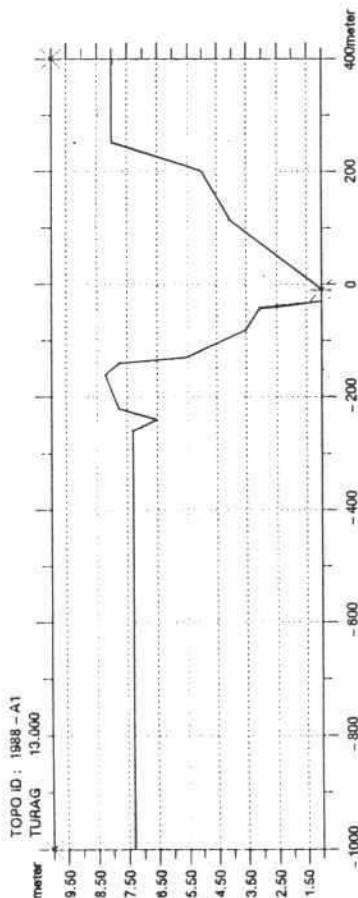
TU-8 (Acc. dis. = 17.5)



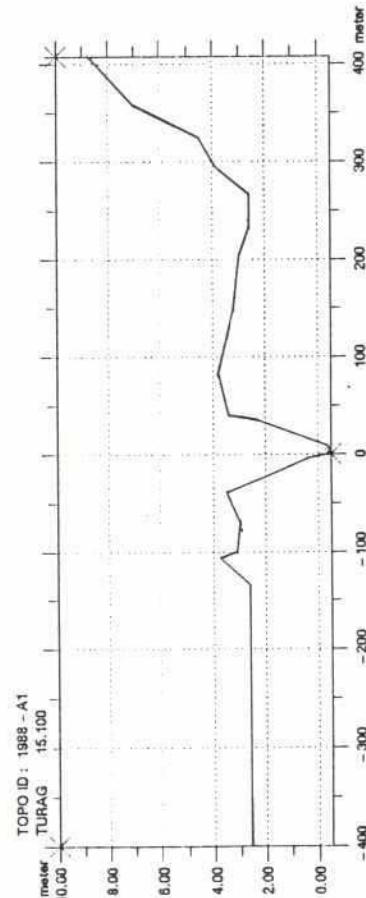
TU-7 (Acc. dis. = 15.0)



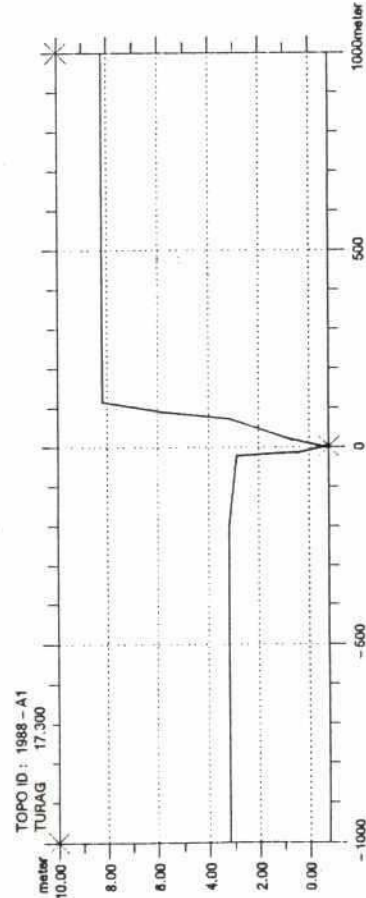
TU-10A (Acc. dis. = 24.5)



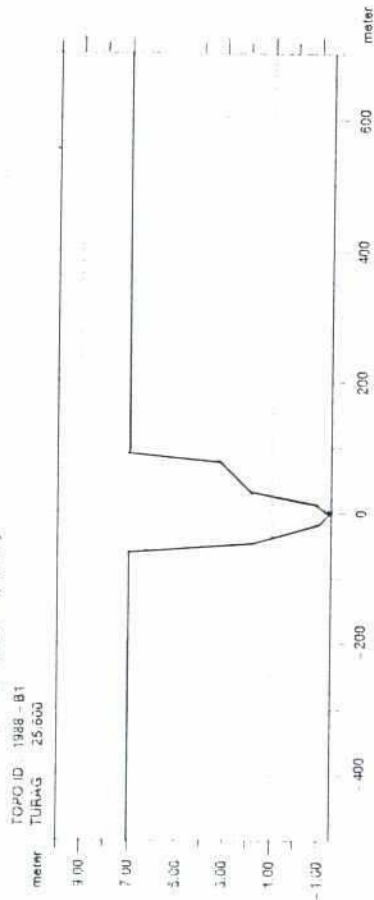
TU-10 (Acc. dis. = 22.4)



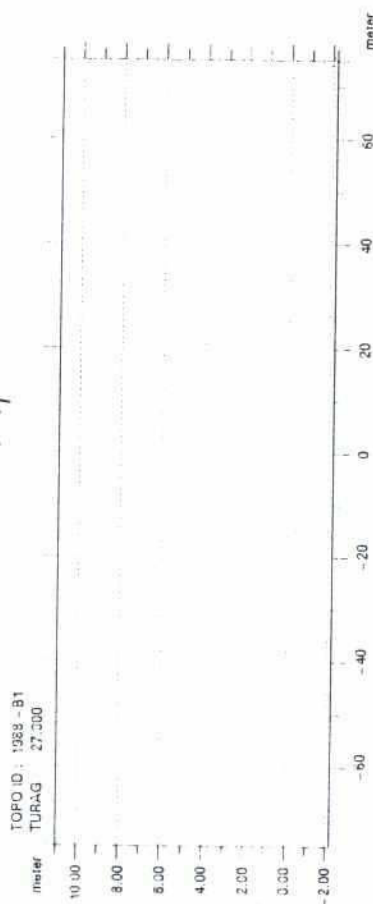
TU-9 (Acc. dis. = 20.2)



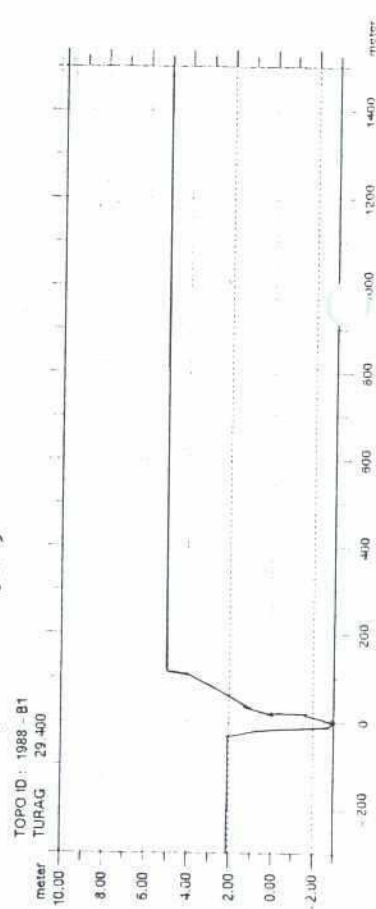
TU-6 (Acc. dis. = 11.9)



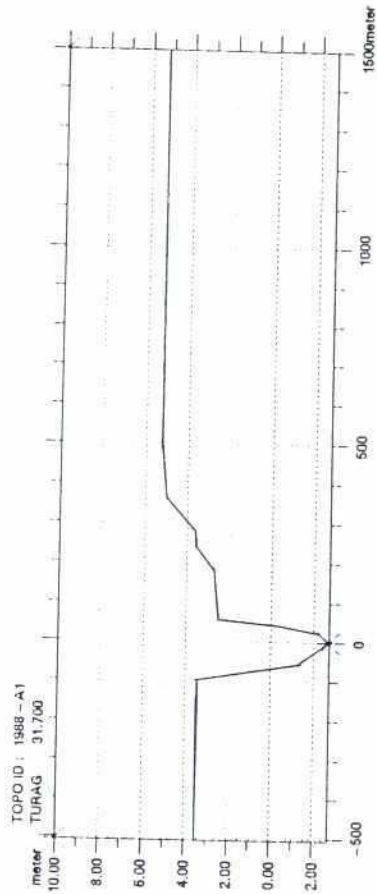
TU-6A (Acc. dis. = 10.2) : Mirpur



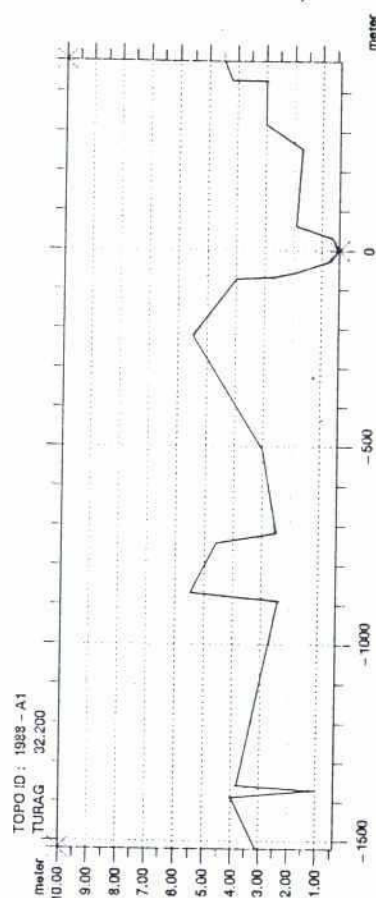
TU-5 (Acc. dis. = 8.1)



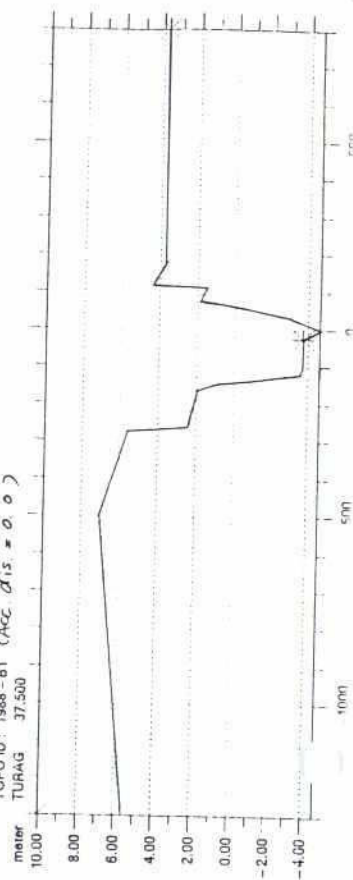
TU-4 (Acc. dis. = 5.8)



TU-4A (Acc. dis. = 5.3)



TU-1
TOPO ID: 1988-B1 (Acc. dis. = 0.0)



228

1988-B1
BALU

0.000 (Acc. dis. = 28.7 km)

B-7A

COORDINATES 1 90.493 23.932

FLOW DIRECTION 0

DATUM 0.00

PROFILE 18

PROFILE	X(m)	Z(m)	relative resistance
-300.00	10.00	1.00	<1>
-300.00	1.60	3.33	
-18.00	1.80	3.33	
-10.00	5.80	3.33	
-32.00	3.20	1.00	
0.00	2.20	1.00	<2>
20.00	2.30	1.00	
53.00	1.70	1.00	
60.00	7.70	1.00	$\Rightarrow \eta_1 = 0.030$
75.00	7.00	1.00	
78.00	7.80	1.00	
110.00	8.00	3.33	$\Rightarrow \eta_1 = 0.030$
200.00	7.90	3.33	$\times 3.33 = 0.100$
205.00	6.50	3.33	
230.00	5.50	3.33	
290.00	9.00	3.33	
315.00	9.80	3.33	
315.00	10.00	3.33	<3>

↑ X(m) ↑ Z(m) ↑ relative resistance

1988-B1
BALU

1.900 (Acc. dis. = 26.8 km)

B-7

COORDINATES 1 90.192 23.917

FLOW DIRECTION 0

DATUM 0.00

PROFILE 22

PROFILE	X(m)	Z(m)	relative resistance
-200.00	10.00	1.00	<1>
-200.00	2.30	3.33	
-110.00	2.30	3.33	
-110.00	2.10	3.33	
-50.00	2.00	3.33	
-20.00	2.50	3.33	
-15.00	0.90	1.00	
-7.00	-0.10	1.00	
-3.00	-0.30	1.00	
3.00	-0.30	1.00	<2>
6.00	-0.20	1.00	
9.00	-0.15	1.00	
18.00	0.60	1.00	
28.00	1.80	1.00	
50.00	1.80	1.00	
55.00	3.60	1.00	
69.00	3.90	3.33	
80.00	5.00	3.33	
93.00	5.50	3.33	
123.00	5.90	3.33	
200.00	5.90	3.33	
200.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

Note : η_1 : Manning's roughness coefficient of river channel
 η_2 : Manning's roughness coefficient of flood plain

1988-B1
BALU

2.700 (Acc. dis. = 26.0 km)

B-6B

COORDINATES 1 90.488 23.911

FLOW DIRECTION 0

DATUM 0.00

PROFILE 16

PROFILE	X(m)	Z(m)	relative resistance
-300.00	10.00	1.00	<1>
-300.00	2.50	3.33	
-85.00	2.30	3.33	
-25.00	2.00	3.33	
-20.00	3.00	3.33	
-15.00	1.50	1.00	
0.00	-0.30	1.00	
10.00	-0.30	1.00	<2>
30.00	0.80	1.00	
38.00	1.50	1.00	
10.00	2.60	1.00	
45.00	2.00	3.33	
155.00	2.70	3.33	
180.00	2.90	3.33	
200.00	3.80	3.33	
200.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU

7.200 (Acc. dis. = 21.5 km)

B-6A

COORDINATES 1 90.167 23.883

FLOW DIRECTION 0

DATUM 0.00

PROFILE 15

PROFILE	X(m)	Z(m)	relative resistance
-150.00	10.00	1.00	<1>
-150.00	6.60	3.33	
-120.00	5.00	3.33	
-10.00	5.50	3.33	
-30.00	2.50	1.00	
-20.00	1.50	1.00	
0.00	1.00	1.00	<2>
10.00	2.50	1.00	
70.00	2.50	1.00	
80.00	3.60	1.00	
175.00	3.75	3.33	
230.00	3.30	3.33	
210.00	1.20	3.33	
300.00	3.50	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU 8.200 (B-6 (Acc. dis. = 20.5 km))

COORDINATES 1 90.167 23.871

FLOW DIRECTION 0

DATUM 0.00

PROFILE	23		
-300.00	10.00	1.00	<1>
-300.00	3.50	3.33	
-150.00	3.50	3.33	
-120.00	3.80	3.33	
-90.00	4.35	3.33	
-60.00	4.75	3.33	
-58.00	3.70	1.00	
-18.00	3.50	1.00	
-44.00	2.20	1.00	
-26.00	1.80	1.00	
-24.00	1.25	1.00	
-15.00	0.20	1.00	
0.00	-0.40	1.00	<2>
4.00	-0.30	1.00	
15.00	1.25	1.00	
17.00	1.90	1.00	
25.00	2.00	1.00	
30.00	3.75	1.00	
60.00	3.60	3.33	
90.00	3.60	3.33	
120.00	3.75	3.33	
400.00	3.75	3.33	
100.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU 11.900 (B-5 (Acc. dis. = 16.8 km))

COORDINATES 1 90.475 23.811

FLOW DIRECTION 0

DATUM 0.00

PROFILE	23		
-300.00	10.00	1.00	<1>
-300.00	3.30	3.33	
-113.00	3.30	3.33	
-118.00	2.50	3.33	
-93.00	2.10	3.33	
-63.00	2.50	3.33	
-33.00	3.10	3.33	
-28.00	1.30	1.00	
-19.00	-0.10	1.00	
-15.00	-0.50	1.00	
-10.00	-1.20	1.00	
0.00	-1.40	1.00	<2>
3.00	-1.00	1.00	
16.00	1.70	1.00	
20.00	6.10	1.00	
22.00	6.10	3.33	
24.00	5.25	3.33	
50.00	4.00	3.33	
80.00	3.25	3.33	
111.00	3.00	3.33	
140.00	3.75	3.33	
200.00	3.75	3.33	
200.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU 12.900 (B-4A (Acc. dis. = 15.8 km))

COORDINATES 1 90.479 23.837

FLOW DIRECTION 0

DATUM 0.00

PROFILE	15		
-500.00	10.00	1.00	<1>
-500.00	6.20	3.33	
-180.00	6.00	3.33	
-175.00	6.70	3.33	
-120.00	6.40	3.33	
-110.00	5.10	1.00	
-50.00	2.80	1.00	
0.00	2.00	1.00	<2>
20.00	2.10	1.00	
70.00	2.80	1.00	
110.00	5.10	1.00	
120.00	8.30	1.00	
280.00	8.30	3.33	
300.00	9.80	3.33	
450.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU 15.500 (B-4 (Acc. dis. = 13.2 km))

COORDINATES 1 90.488 23.821

FLOW DIRECTION 0

DATUM 0.00

PROFILE	21		
-300.00	10.00	1.00	<1>
-300.00	6.10	3.33	
-155.00	6.10	3.33	
-148.00	3.25	3.33	
-128.00	2.25	3.33	
-80.00	2.30	3.33	
-50.00	3.50	3.33	
-19.00	3.80	3.33	
-15.00	1.50	1.00	
-5.00	-0.30	1.00	
-4.00	-1.00	1.00	
0.00	-1.15	1.00	<2>
15.00	-0.20	1.00	
38.00	2.10	1.00	
41.00	3.70	1.00	
70.00	3.25	3.33	
101.00	3.90	3.33	
130.00	2.80	3.33	
190.00	2.00	3.33	
400.00	2.00	3.33	
400.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BALU 17.700 *B-3A*
(Acc. dis. = 11.0 km)

COORDINATES
1 90.186 23.802
FLOW DIRECTION

0
DATUM

0.00
PROFILE 16
-400.00 10.00 1.00 <1>
-100.00 1.00 3.33
-56.00 1.30 3.33
-14.00 3.50 3.33
-40.00 1.20 1.00
-20.00 -1.10 1.00
0.00 -2.10 1.00 <2>
40.00 0.00 1.00
45.00 1.00 1.00
50.00 3.30 1.00
51.00 1.50 3.33
80.00 1.50 3.33
100.00 1.10 3.33
140.00 1.60 3.33
300.00 3.31 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
BALU 19.000 *B-3*
(Acc. dis. = 9.7 km)

COORDINATES
1 90.180 23.790
FLOW DIRECTION

0
DATUM

0.00
PROFILE 20
-400.00 10.00 1.00 <1>
-400.00 2.80 3.33
-184.00 2.80 3.33
-121.00 3.20 3.33
-91.00 3.20 3.33
-64.00 3.90 3.33
-41.00 3.90 3.33
-41.00 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 <2>
3.00 -1.70 1.00
16.00 3.00 1.00
19.00 1.00 1.00
18.00 3.65 3.33
79.00 3.75 3.33
100.00 3.75 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
BALU 23.500 *B-2*
(Acc. dis. = 5.2 km)

COORDINATES
1 90.486 23.758
FLOW DIRECTION

0
DATUM

0.00
PROFILE 17
-700.00 10.00 1.00 <1>
-700.00 7.00 3.33
-54.00 7.00 3.33
-44.00 7.00 3.33
-34.00 2.90 1.00
-19.00 -2.30 1.00
-9.00 -4.10 1.00
0.00 -4.50 1.00 <2>
16.00 -2.50 1.00
36.00 2.20 1.00
41.00 4.30 1.00
81.00 4.20 3.33
101.00 4.00 3.33
131.00 4.00 3.33
141.00 4.40 3.33
400.00 4.40 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
BALU 27.600 *B-2A*
(Acc. dis. = 1.1 km)

COORDINATES
1 90.500 23.731
FLOW DIRECTION

0
DATUM

0.00
PROFILE 10
-400.00 10.00 1.00 <1>
-400.00 6.51 3.33
-120.00 6.50 3.33
-25.00 -0.50 1.00
20.00 -0.50 1.00 <2>
75.00 1.00 1.00
100.00 4.00 1.00
200.00 7.00 1.00
400.00 6.50 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
BALU
28.700
COORDINATES
1 90.504 23.730
FLOW DIRECTION
0
DATUM
0.00
PROFILE 10
-100.00 10.00 1.00 <1>
-100.00 6.51 3.33
-120.00 6.50 3.33
-25.00 -0.50 1.00
20.00 -0.50 1.00 <2>
75.00 1.00 1.00
100.00 1.00 1.00
200.00 7.00 1.00
400.00 6.50 3.33
400.00 10.00 3.33 <3>

$M_1=0.030$

$M_2=0.100$

1988-B1
BANSI
0.000
COORDINATES
1 90.232 23.909
FLOW DIRECTION
0
DATUM
0.00
PROFILE 17
-300.00 10.00 1.00 <1>
-300.00 7.60 3.33
-242.07 7.60 3.33
-182.92 6.50 3.33
-113.72 7.85 3.33
-83.53 5.80 1.00
-72.86 0.92 1.00
-60.67 -0.91 1.00
0.00 -2.00 1.00
31.40 -2.00 1.00 <2>
68.90 -0.45 1.00
89.33 0.92 1.00
105.19 6.19 1.00
130.49 7.82 1.00
153.66 8.08 3.33
300.00 8.08 3.33
300.00 10.00 3.33 <3>

$M_1=0.030$

$M_2=0.100$

1988-B1
BANSI
2.000
COORDINATES
1 90.233 23.892
FLOW DIRECTION
0
DATUM
0.00
PROFILE 19
-300.00 10.00 1.00 <1>
-300.00 7.60 3.33
-242.07 7.60 3.33
-182.92 6.50 3.33
-113.72 7.85 3.33
-83.53 5.80 1.00
-72.86 0.92 1.00
-60.67 -0.91 1.00
-24.39 -2.13 1.00
-6.09 -2.73 1.00
0.00 -3.34 1.00
31.40 -3.31 1.00 <2>
68.90 -0.45 1.00
89.33 0.92 1.00
105.19 6.19 1.00
130.49 7.82 1.00
153.66 8.08 3.33
300.00 8.08 3.33
300.00 10.00 3.33 <3>

$M_1=0.030$

$M_2=0.100$

1988-B1
BANSI
7.600
COORDINATES
1 90.211 23.815
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-500.00 10.00 1.00 <1>
-500.00 7.29 3.33
-375.56 7.29 3.33
-316.11 6.13 3.33
-256.96 5.76 3.33
-195.38 5.55 3.33
-135.01 5.21 3.33
-106.96 -2.56 1.00
-80.41 -5.61 1.00
-60.93 -6.22 1.00
-21.65 -8.05 1.00
0.00 -9.58 1.00 <2>
12.85 -8.66 1.00
27.18 -6.53 1.00
57.67 3.38 1.00
72.00 6.05 1.00
136.33 6.36 3.33
160.12 6.88 3.33
300.00 6.88 3.33
300.00 10.00 3.33 <3>

$M_1=0.030$

$M_2=0.100$

1988-B1
BANSI
9.000
D-14A
(Acc. dis. = 0.0 km)

COORDINATES
1 90.250 23.833
FLOW DIRECTION
0
DATUM
0.00

PROFILE 29

-700.00	10.00	1.00	<1>
-700.00	6.79	3.33	
-570.10	6.79	3.33	
-500.00	6.18	3.33	
-466.50	7.66	3.33	
-460.40	3.39	3.33	
-420.70	7.13	3.33	
-368.90	6.53	3.33	
-320.10	6.45	3.33	
-307.90	3.81	3.33	
-283.50	3.32	3.33	
-247.00	7.03	3.33	
-170.70	7.37	3.33	
-149.10	0.00	1.00	
-100.60	-2.16	1.00	
-88.40	-6.55	1.00	
-33.54	-6.55	1.00	
0.00	-8.07	1.00	
12.76	-8.07	1.00	<2>
94.51	-6.31	1.00	
125.00	-2.71	1.00	
216.46	5.89	1.00	
277.44	6.54	1.00	
527.44	6.50	3.33	
618.90	6.75	3.33	
692.07	6.60	3.33	
777.14	7.10	3.33	
1600.00	7.40	3.33	
1600.00	10.00	3.33	<3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-B1
BURIGANGA
0.000
TU-1
(Acc. dis. = 17.5 km)

COORDINATES
1 90.348 23.712
FLOW DIRECTION
0
DATUM
0.00

PROFILE 19

-1300.00	10.00	1.00	<1>
-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	1.00	
-123.00	-3.60	1.00	
-105.00	-3.75	1.00	
-25.00	-3.75	1.00	
0.00	-1.60	1.00	<2>
30.00	-3.00	1.00	
50.00	-1.00	1.00	
70.00	1.90	1.00	
109.00	1.50	3.30	
115.00	1.50	3.30	
175.00	3.75	3.30	
800.00	3.75	3.30	
800.00	10.00	3.30	<3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-B1
BURIGANGA
1.100
BGA-6
(Acc. dis. = 16.4 km)

COORDINATES
1 90.368 23.706
FLOW DIRECTION
0
DATUM
0.00

PROFILE 16

-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	
125.00	2.05	1.00	
140.24	3.55	1.00	
182.92	3.75	3.30	
213.41	4.99	3.30	
268.29	6.29	3.30	
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>
500.00	10.00	3.30	

$n_1 = 0.030$
 $n_2 = 0.100$

1988-B1
BURIGANGA
4.800
BGA-5
(Acc. dis. = 12.7 km)

COORDINATES
1 90.402 23.708
FLOW DIRECTION
0
DATUM
0.00

PROFILE 15

-200.00	10.00	1.00	<1>
-200.00	6.56	3.33	
-117.07	6.56	3.33	
-87.80	2.33	1.00	
-53.66	-5.28	1.00	
-36.59	-5.28	1.00	
-21.95	-9.27	1.00	
0.00	-9.85	1.00	<2>
21.95	-9.27	1.00	
80.49	-3.76	1.00	
129.27	2.33	1.00	
131.15	4.09	1.00	
165.86	5.83	1.00	
197.56	5.97	3.33	
258.51	6.10	3.33	<3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-B1
BURIGANGA
7.000
COORDINATES
1 90.118 23.698
FLOW DIRECTION
0
DATUM
0.00
PROFILE 17
-335.36 10.00 1.00 <1>
-335.36 7.69 3.33
-280.56 5.18 1.00
-268.29 1.82 1.00
-176.83 -4.26 1.00
-116.34 -4.87 1.00
0.00 -4.87 1.00 <2>
18.29 -4.26 1.00
60.98 -4.26 1.00
109.76 0.30 1.00
176.83 1.82 1.00
195.12 4.61 1.00
228.66 4.57 3.33
289.64 5.31 3.33
326.22 2.91 3.33
341.16 5.18 3.33
341.16 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BURIGANGA
11.500
COORDINATES
1 90.151 23.669
FLOW DIRECTION
0
DATUM
0.00
PROFILE 11
-341.51 10.00 1.00 <1>
-341.51 5.54 3.33
-292.69 6.34 3.33
-234.76 6.13 3.33
-138.72 -1.82 1.00
-102.41 -6.10 1.00
-29.88 -7.56 1.00
0.00 -8.84 1.00 <2>
66.77 -3.66 1.00
112.80 1.82 1.00
125.00 5.75 1.00
154.27 5.52 3.33
500.00 5.52 3.33
500.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BURIGANGA
13.800
COORDINATES
1 90.465 23.652
FLOW DIRECTION
0
DATUM
0.00
PROFILE 22
-300.00 10.00 1.00 <1>
-300.00 5.74 3.33
-131.00 5.74 3.33
-98.17 6.61 3.33
-73.17 -5.85 1.00
0.00 -5.85 1.00 <2>
18.78 -5.25 1.00
73.17 -1.96 1.00
121.95 1.05 1.00
213.42 6.73 1.00
274.39 1.05 3.33
298.78 0.31 3.33
371.95 0.10 3.33
445.12 0.03 3.33
500.00 0.41 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>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
BURIGANGA
16.500
COORDINATES
1 90.468 23.633
FLOW DIRECTION
0
DATUM
0.00
PROFILE 9
-100.00 10.00 1.00 <1>
-100.00 4.00 1.00
-200.00 1.00 3.33
-100.50 -10.40 3.33
0.00 -10.10 1.00
100.00 -10.40 1.00 <2>
200.00 2.20 1.00
300.00 2.20 1.00
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

260

1988-B1
BURIGANGA
17.500
BGA-1
(Acc. dis. = 0.0 km)

COORDINATES	1	90.458	23.629
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	29		
-800.00	10.00	1.00	<1>
-800.00	0.33	3.33	
-12.68	0.33	3.33	
-27.68	-12.10	1.00	
0.00	-12.16	1.00	<2>
6.10	-10.64	1.00	
67.07	-6.06	1.00	
365.86	-9.12	1.00	
115.12	-9.73	1.00	
518.29	-11.55	1.00	
591.76	-3.01	1.00	
692.26	1.55	1.00	
908.53	1.85	3.33	
993.90	1.92	3.33	
1146.31	0.80	3.33	
1213.90	0.64	3.33	
1268.29	5.57	3.33	
1310.97	6.22	3.33	
1335.36	6.25	3.33	
1408.53	0.57	3.33	
1438.93	0.70	3.33	
1463.41	4.93	3.33	
1469.51	2.77	3.33	
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	4.03	3.33	
1835.36	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
DHALESWARI
0.000
D-14A
(Acc. dis. = 60.2 km)

COORDINATES	1	90.250	23.833
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	29		
-700.00	10.00	1.00	<1>
-700.00	6.79	3.33	
-570.10	6.79	3.33	
-500.00	6.18	3.33	
-166.50	7.66	3.33	
-160.10	3.39	3.33	
-420.70	7.13	3.33	
-368.90	6.53	3.33	
-320.10	6.15	3.33	
-307.90	3.81	3.33	
-283.50	3.32	3.33	
-217.00	7.03	3.33	
-170.70	7.37	3.33	
-119.40	0.00	1.00	
-100.60	-2.16	1.00	
-88.10	-6.55	1.00	
-33.54	-6.55	1.00	
0.00	-8.07	1.00	
42.76	-8.07	1.00	<2>
91.51	-6.31	1.00	
125.00	-2.71	1.00	
216.46	5.89	1.00	
277.11	6.51	1.00	
527.44	6.50	3.33	
618.90	6.75	3.33	
692.07	6.60	3.33	
777.11	7.10	3.33	
1600.00	7.10	3.33	
1600.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
DHALESWARI
0.500
D-14
(Acc. dis. = 59.7 km)

COORDINATES	1	90.251	23.827
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	29		
-700.00	10.00	1.00	<1>
-700.00	6.79	3.33	
-570.10	6.79	3.33	
-500.00	6.18	3.33	
-166.50	7.66	3.33	
-160.10	3.39	3.33	
-420.70	7.13	3.33	
-368.90	6.53	3.33	
-320.10	6.15	3.33	
-307.90	3.81	3.33	
-283.50	3.32	3.33	
-217.00	7.03	3.33	
-170.70	7.37	3.33	
-149.40	0.00	1.00	
-100.60	-2.16	1.00	
-88.10	-6.55	1.00	
-33.54	-6.55	1.00	
0.00	-8.07	1.00	
42.76	-8.07	1.00	<2>
91.51	-6.31	1.00	
125.00	-2.71	1.00	
216.46	5.89	1.00	
277.11	6.51	1.00	
527.44	6.50	3.33	
618.90	6.75	3.33	
692.07	6.60	3.33	
777.11	7.10	3.33	
1600.00	7.10	3.33	
1600.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
DHALESWARI
10.600
D-15
(Acc. dis. = 49.6 km)

COORDINATES	1	90.265	23.756
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	36		
-1000.00	10.00	1.00	<1>
-1000.00	7.49	3.33	
-164.63	7.49	3.33	
-106.70	7.83	3.33	
-60.97	6.13	3.33	
-42.68	1.05	1.00	
-39.63	-2.53	1.00	
-36.58	-3.01	1.00	
0.00	-3.01	1.00	<2>
21.39	5.61	1.00	
67.08	5.28	3.33	
85.37	4.55	3.33	
179.88	5.17	3.33	
262.20	5.51	3.33	
371.96	1.25	3.33	
154.27	4.25	3.33	
181.71	1.51	3.33	
515.25	4.54	3.33	
560.98	5.15	3.33	
621.96	4.86	1.00	
631.10	3.96	1.00	
631.15	2.89	1.00	
679.88	1.12	1.00	
713.91	1.06	1.00	
762.25	0.70	1.00	
780.49	0.61	1.00	
817.08	0.61	1.00	
811.47	2.19	1.00	
856.71	1.02	1.00	
865.86	7.05	1.00	
911.64	6.83	3.33	
951.22	7.36	3.33	
987.81	7.20	3.33	
1024.39	7.37	3.33	
1500.00	7.37	3.33	
1500.00	10.00	3.33	<3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

202

1988-B1
DHALESWARI
17.300
D-16
(Acc. dis. = 42.9 km)

COORDINATES
1 90.250 23.733
FLOW DIRECTION
0
DATUM
0.00
PROFILE 23
-1500.00 10.00 1.00 <1>
-1500.00 6.79 3.33
-945.12 6.79 3.33
-917.69 6.28 3.33
-871.95 5.33 3.33
-783.54 5.79 3.33
-756.10 5.79 3.33
-725.61 5.66 3.33
-179.88 5.92 3.33
-60.98 4.57 1.00
-48.78 3.80 1.00
0.00 -5.34 1.00
-48.78 -5.34 1.00 <2>
210.36 3.80 1.00
219.51 6.06 1.00
335.36 5.67 3.33
469.51 5.55 3.33
518.29 5.47 3.33
609.75 6.06 3.33
682.92 5.91 3.33
811.16 6.50 3.33
1500.00 6.50 3.33
1500.00 10.00 3.33 <3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-B1
DHALESWARI
19.700
D-16A
(Acc. dis. = 40.5 km)

COORDINATES
1 90.265 23.724
FLOW DIRECTION
0
DATUM
0.00
PROFILE 11
-2500.00 10.00 1.00 <1>
-2500.00 6.00 1.00
-900.00 6.00 1.00
-375.00 6.00 1.00
-35.00 -5.10 1.00
0.00 -5.10 1.00 <2>
35.00 -5.10 1.00
125.00 6.66 1.00
1200.00 6.66 1.00
2000.00 6.00 1.00
2000.00 10.00 1.00

$n_1 = 0.025$
 $n_2 = 0.100$

1988-B1
DHALESWARI
25.600
D-17
(Acc. dis. = 34.6 km)

COORDINATES
1 90.281 23.681
FLOW DIRECTION
0
DATUM
0.00
PROFILE 28
-3500.00 10.00 1.00 <1>
-3500.00 6.06 4.00
-1634.14 6.06 1.00
-1478.66 6.03 4.00
-1387.19 6.09 1.00
-1356.70 3.66 1.00
-1350.61 1.34 1.00
-1256.09 0.48 1.00
-1219.51 0.51 1.00
-1048.78 3.66 1.00
-1036.58 5.01 1.00
-975.61 4.93 1.00
-853.66 1.95 1.00
-670.73 4.87 1.00
-487.80 4.29 1.00
-396.34 2.68 1.00
-243.90 4.29 1.00
-128.05 5.10 1.00
-85.36 -0.36 1.00
0.00 -5.44 1.00 <2>
60.98 -5.38 1.00
91.47 3.01 1.00
91.96 5.66 1.00
170.73 4.75 4.00
182.93 6.03 4.00
189.73 6.03 4.00
800.00 6.03 1.00
800.00 10.00 4.00 <3>

$n_1 = 0.025$
 $n_2 = 0.100$

1988-B1
DHALESWARI
30.800
D-18
(Acc. dis. = 29.4 km)

COORDINATES
1 90.327 23.656
FLOW DIRECTION
0
DATUM
0.00
PROFILE 30
-2000.00 10.00 1.00 <1>
-2000.00 7.01 4.00
-1500.00 7.01 1.00
-664.61 7.01 1.00
-501.10 3.35 1.00
-463.42 3.32 1.00
-365.86 5.79 1.00
-121.95 5.15 1.00
-60.98 5.90 1.00
-42.69 3.32 1.00 <2>
0.00 -1.86 1.00
182.92 0.27 1.00
213.11 3.32 1.00
289.63 5.58 1.00
442.07 1.76 1.00
573.17 5.70 1.00
670.73 5.82 1.00
731.70 5.67 1.00
792.68 5.19 1.00
829.26 3.31 1.00
911.63 -0.35 1.00
1103.65 3.31 1.00
1115.85 3.97 1.00
1182.92 1.27 1.00
1219.51 0.57 1.00
1280.48 5.51 1.00
1390.24 5.15 1.00
1500.00 5.15 1.00
2000.00 5.15 1.00
2000.00 10.00 1.00

$n_1 = 0.025$
 $n_2 = 0.100$

202

1988-B1
DHALESWARI
37.200
D-19
(Acc. dis. = 23.0 km)

COORDINATES	1	90.381	23.638
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	31		
-3000.00	10.00	1.00	<1>
-3000.00	5.08	1.00	
-1865.86	5.08	1.00	
-1829.27	4.05	1.00	
-1807.93	2.85	1.00	
-1676.84	-4.77	1.00	
-1616.35	-1.77	1.00	
-1585.37	2.85	1.00	
-1518.78	1.50	1.00	
-1163.42	4.18	1.00	
-1102.41	4.18	1.00	
-1341.47	4.00	1.00	$\eta_1=0.025$
-1182.93	4.50	1.00	
-1000.00	2.32	1.00	$\eta_2=0.100$
-914.64	4.12	1.00	
-853.66	1.21	1.00	
-823.18	3.61	1.00	
-670.74	3.15	1.00	
-585.37	3.12	1.00	
-524.39	2.85	1.00	
-426.83	3.24	1.00	
-280.49	3.24	1.00	
-195.13	4.05	1.00	
-170.74	2.76	1.00	
0.00	-6.39	1.00	<2>
48.78	-6.34	1.00	
89.02	2.76	1.00	
121.95	4.24	1.00	
450.00	4.24	1.00	
800.00	4.24	4.00	<3>
800.00	10.00	4.00	

1988-B1
DHALESWARI
16.200
D-19A
(Acc. dis. = 14.0 km)

COORDINATES	1	90.151	23.606
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	10		
-800.00	10.00	1.00	<1>
-800.00	4.42	1.00	
-381.14	4.71	1.00	
-335.36	4.48	1.00	
-110.24	-9.54	1.00	
0.00	-10.15	1.00	<2>
103.66	-8.02	1.00	
110.25	2.70	1.00	
3000.00	1.31	1.00	
3000.00	10.00	1.00	<3>

$\eta_1=0.025$
 $\eta_2=0.100$

1988-B1
DHALESWARI
17.200
D-20
(Acc. dis. = 13.2 km)

COORDINATES	1	90.156	23.619
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	18		
-800.00	10.00	1.00	<1>
-800.00	4.42	1.00	
-506.09	4.42	1.00	
-384.14	4.71	4.00	
-335.36	4.18	1.00	
-110.24	-9.54	1.00	
0.00	-10.15	1.00	<2>
103.66	-8.02	1.00	
110.25	2.70	1.00	
408.04	4.34	4.00	
554.88	3.47	1.00	
652.44	3.58	4.00	
725.61	3.58	4.00	
804.88	3.29	4.00	
881.11	3.07	4.00	
957.32	4.11	4.00	
3000.00	4.11	4.00	
3000.00	10.00	4.00	<3>

$\eta_1=0.025$
 $\eta_2=0.100$

1988-B1
DHALESWARI
51.700
D-21
(Acc. dis. = 8.5 km)

COORDINATES	1	90.188	23.590
FLOW DIRECTION	0		
DATUM	0.00		
PROFILE	22		
-1006.09	10.00	1.00	<1>
-1006.09	4.41	4.00	
-898.34	3.56	1.00	
-823.17	4.11	4.00	
-792.68	3.96	4.00	
-750.00	3.00	4.00	
-390.24	3.00	1.00	
-338.41	2.73	4.00	
-121.95	-4.89	1.00	
0.00	-5.19	1.00	
91.47	-5.19	1.00	<2>
298.78	-1.84	1.00	
359.76	3.17	1.00	
457.32	3.50	4.00	
554.88	3.55	4.00	
670.73	1.82	4.00	
731.71	3.62	4.00	
768.30	3.93	4.00	
823.17	3.91	4.00	
915.12	3.81	1.00	
1300.00	3.81	1.00	
1300.00	10.00	1.00	<3>

$\eta_1=0.025$
 $\eta_2=0.100$

206

1988-B1
DHALESWARI
54.500 (D-21A
Acc.dis. = 5.7 km)

COORDINATES
1 90.500 23.579

FLOW DIRECTION
0

DATUM
0.00

PROFILE 9

-1000.00	10.00	1.00	<1>
-1000.00	4.00	1.00	
-310.00	4.00	1.00	
-100.00	-10.90	1.00	
0.00	-10.90	1.00	
100.00	-10.90	1.00	<2>
120.00	4.00	1.00	
1000.00	4.00	1.00	
1000.00	10.00	1.00	<3>

$\eta_1 = 0.025$

$\eta_2 = 0.100$

1988-B1
DHALESWARI
56.300 (D-22
Acc.dis. = 3.9 km)

COORDINATES
1 90.521 23.568

FLOW DIRECTION
0

DATUM
0.00

PROFILE 11

-792.69	10.00	1.00	<1>
-792.69	0.68	1.00	
-573.17	1.29	1.00	
-271.39	-0.53	1.00	
-60.98	-20.65	1.00	
0.00	-20.95	1.00	<2>
158.53	3.65	1.00	
333.36	3.35	1.00	
396.52	1.62	1.00	
500.00	1.62	1.00	
500.00	10.00	1.00	<3>

$\eta_1 = 0.025$

$\eta_2 = 0.100$

1988-B1
DHALESWARI
60.200 (D-23
Acc.dis. = 0.0 km)

COORDINATES
1 90.561 23.571

FLOW DIRECTION
0

DATUM
0.00

PROFILE 22

-682.93	10.00	1.00	<1>
-682.93	2.53	1.00	
-518.78	2.21	1.00	
-487.80	1.29	1.00	
-457.32	-2.53	1.00	
-420.73	-5.39	1.00	
-353.66	-6.92	1.00	
-213.90	-5.39	1.00	
-121.95	-5.39	1.00	
0.00	-6.92	1.00	
60.98	-5.39	1.00	
250.00	-11.19	1.00	<2>
353.66	-10.57	1.00	
426.83	-3.87	1.00	
518.78	-2.31	1.00	
560.98	-0.82	1.00	
646.34	0.21	1.00	
649.39	3.73	1.00	
731.71	1.09	1.00	
841.47	3.34	1.00	
1500.00	3.34	1.00	
1500.00	10.00	1.00	<3>

$\eta_1 = 0.025$

$\eta_2 = 0.100$

1988-B1
KARNATALI
0.000 (K-4
Acc.dis. = 11.9 km)

COORDINATES
1 90.254 23.824

FLOW DIRECTION
0

DATUM
0.00

PROFILE 17

-350.00	10.00	1.00	<1>
-350.00	6.38	3.33	
-250.00	7.64	3.33	
-125.00	6.82	3.33	
-55.00	4.50	1.00	
-12.00	1.11	1.00	
-1.00	-1.35	1.00	
0.00	-1.79	1.00	<2>
8.00	-1.00	1.00	
12.00	1.11	1.00	
35.00	3.30	1.00	
50.00	7.95	1.00	
110.00	5.74	3.33	
180.00	8.04	3.33	
250.00	6.65	3.33	
300.00	6.82	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
KARNATALI
1.600 (K-3
(Acc. dis. = 10.3 km)

COORDINATES
1 90.261 23.818

FLOW DIRECTION

0

DATUM

0.00

PROFILE	12		
-100.00	10.00	1.00	<1>
-100.00	7.00	3.33	
-10.00	6.30	3.33	
-20.00	0.30	1.00	
0.00	-1.30	1.00	<2>
20.00	1.20	1.00	
60.00	2.50	1.00	
130.00	6.50	1.00	
400.00	5.80	3.33	
500.00	6.50	3.33	
525.00	8.00	3.33	
525.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
KARNATALI
6.100 (K-2
(Acc. dis. = 5.5 km)

COORDINATES
1 90.302 23.806

FLOW DIRECTION

0

DATUM

0.00

PROFILE	14		
-300.00	10.00	1.00	<1>
-300.00	5.22	3.33	
-270.00	5.21	3.33	
-50.00	4.77	3.33	
-35.00	3.44	1.00	
-17.00	-0.61	1.00	
-9.00	-1.54	1.00	
0.00	-2.09	1.00	<2>
8.00	-1.21	1.00	
25.00	1.44	1.00	
50.00	2.96	1.00	
60.00	1.60	1.00	
300.00	1.60	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
KARNATALI
11.900 (K-1
(Acc. dis. = 0.0 km)

COORDINATES
1 90.336 23.788

FLOW DIRECTION

0

DATUM

0.00

PROFILE	15		
-200.00	10.00	1.00	<1>
-200.00	1.50	3.33	
-170.00	0.90	3.33	
-140.00	1.80	3.33	
-110.00	0.90	3.33	
-94.00	2.00	3.33	
-35.00	1.20	3.33	
-20.00	0.20	1.00	
-10.00	-1.50	1.00	
0.00	-1.80	1.00	<2>
15.00	-0.40	1.00	
65.00	1.20	1.00	
72.00	7.00	1.00	
120.00	7.80	3.33	
120.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA
0.000 (L-16
(Acc. dis. = 23.9 km)

COORDINATES
1 90.515 23.753

FLOW DIRECTION

0

DATUM

0.00

PROFILE	20		
-300.00	10.00	1.00	<1>
-300.00	5.63	3.33	
-203.35	5.63	3.33	
-171.95	4.99	3.33	
-154.87	5.24	3.33	
-123.47	6.20	3.33	
-96.65	1.30	1.00	
-79.88	1.21	1.00	
-55.18	-0.31	1.00	
-38.72	-0.92	1.00	
0.00	-4.88	1.00	
53.05	-4.88	1.00	<2>
82.32	-3.36	1.00	
125.92	1.21	1.00	
196.04	2.91	1.00	
256.10	3.73	1.00	
326.53	1.89	1.00	
379.87	5.10	3.33	
432.00	4.97	3.33	
432.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

260
1988-B1
LAKHYA 2.300 L-16A
(Acc. dis. = 21.6 km)

COORDINATES
1 90.513 23.731
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
-130.00 10.00 1.00 <1>
-130.00 1.20 3.33
-180.00 6.50 3.33
-150.00 2.40 1.00
-120.00 -0.80 1.00
-100.00 -1.00 1.00
-80.00 -2.00 1.00
-40.00 -2.40 1.00
-20.00 -3.50 1.00
0.00 -3.50 1.00 <2>
60.00 -1.30 1.00
100.00 -1.00 1.00
120.00 -1.20 1.00
175.00 7.00 1.00
450.00 7.00 3.33
450.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA 3.600 L-1611
(Acc. dis. = 20.3 km)

COORDINATES
1 90.501 23.730
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
-130.00 10.00 1.00 <1>
-130.00 1.20 3.33
-180.00 6.50 3.33
-150.00 2.40 1.00
-120.00 -0.80 1.00
-100.00 -1.00 1.00
-80.00 -2.00 1.00
-40.00 -2.40 1.00
-20.00 -3.10 1.00
0.00 -3.10 1.00 <2>
60.00 -1.30 1.00
100.00 -1.00 1.00
120.00 -1.20 1.00
175.00 7.00 1.00
450.00 7.00 3.33
450.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA 7.900 L-17
(Acc. dis. = 16.0 km)

COORDINATES
1 90.527 23.693
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-400.00 10.00 1.00 <1>
-400.00 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
-71.08 -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 -2.31 1.00
131.71 -1.12 1.00
153.35 -0.51 1.00
187.50 0.71 1.00
211.03 3.30 1.00
247.87 3.30 3.33
308.23 2.81 3.33
355.49 2.16 3.33
404.71 4.73 3.33
404.71 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA 13.100 L-18
(Acc. dis. = 10.8 km)

COORDINATES
1 90.523 23.654
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-300.00 10.00 1.00 <1>
-300.00 3.84 3.33
-186.28 3.84 3.33
-135.37 2.47 1.00
-113.62 1.13 1.00
-79.88 -0.09 1.00
-56.71 -3.75 1.00
-28.96 -6.49 1.00
0.00 -6.19 1.00 <2>
24.39 -5.58 1.00
54.27 -1.97 1.00
93.29 -1.05 1.00
118.60 -1.92 1.00
138.11 1.13 1.00
151.88 1.51 1.00
174.39 4.57 1.00
225.00 4.15 3.33
269.81 3.96 3.33
300.00 3.96 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA

20.900

L-19
(Acc. dis. = 3.0 km)

COORDINATES
1 90.515 23.585

FLOW DIRECTION

0

DATUM

0.00

PROFILE	22		
-700.00	10.00	1.00	<1>
-700.00	6.74	3.33	
-558.81	6.74	3.33	
-497.25	3.71	3.33	
-451.88	3.89	3.33	
-307.32	3.75	3.33	
-271.39	3.59	3.33	
-228.66	2.52	3.33	
-159.15	0.62	1.00	
-136.58	-5.48	1.00	
-61.59	-11.58	1.00	
-35.06	-12.59	1.00	
0.00	-14.63	1.00	<2>
11.16	-8.53	1.00	
60.67	-5.48	1.00	
72.56	0.62	1.00	
94.51	5.37	1.00	
157.32	5.02	3.33	
208.67	5.30	3.33	
242.07	5.37	3.33	
500.00	5.37	3.33	
500.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
LAKHYA

23.900

L-19A
(Acc. dis. = 0.0 km)

COORDINATES
1 90.537 23.568

FLOW DIRECTION

0

DATUM

0.00

PROFILE	22		
-800.00	10.00	1.00	<1>
-800.00	6.74	3.33	
-558.81	6.74	3.33	
-497.25	3.71	3.33	
-451.88	3.89	3.33	
-307.32	3.75	3.33	
-271.39	3.59	3.33	
-228.66	2.52	3.33	
-159.15	0.62	1.00	
-136.58	-5.48	1.00	
-61.59	-11.58	1.00	
-35.06	-12.59	1.00	
0.00	-11.63	1.00	<2>
41.16	-8.53	1.00	
60.67	-5.48	1.00	
72.56	0.62	1.00	
94.51	5.37	1.00	
157.32	5.02	3.33	
208.67	5.30	3.33	
242.07	5.37	3.33	
500.00	5.37	3.33	
500.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
TONGI

0.000

T0N-1A
(Acc. dis. = 16.0 km)

COORDINATES
1 90.358 23.879

FLOW DIRECTION

0

DATUM

0.00

PROFILE	24		
-400.00	10.00	1.00	<1>
-400.00	6.20	3.33	
-282.00	6.20	3.33	
-280.00	5.30	3.33	
-225.00	5.90	3.33	
-180.00	5.85	3.33	
-65.00	7.20	3.33	
-34.00	6.80	3.33	
-26.00	2.50	1.00	
-20.00	1.20	1.00	
0.00	0.50	1.00	<2>
14.00	1.00	1.00	
23.00	2.00	1.00	
28.00	4.00	1.00	
43.00	5.50	1.00	
45.00	7.40	1.00	
52.00	7.70	3.33	
60.00	5.50	3.33	
80.00	5.70	3.33	
90.00	5.20	3.33	
110.00	5.00	3.33	
125.00	6.20	3.33	
180.00	9.20	3.33	
250.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
TONGI

1.300

T0N-1
(Acc. dis. = 14.7 km)

COORDINATES
1 90.361 23.883

FLOW DIRECTION

0

DATUM

0.00

PROFILE	18		
-300.00	10.00	1.00	<1>
-300.00	2.20	3.33	
-101.00	2.20	3.33	
-44.00	2.35	3.33	
-37.00	3.00	3.33	
-31.00	2.20	3.33	
-12.00	2.25	3.33	
-8.00	1.20	1.00	
0.00	0.60	1.00	<2>
4.00	1.00	1.00	
7.00	1.90	1.00	
11.00	2.55	1.00	
58.00	2.50	3.33	
71.00	2.50	3.33	
118.00	2.90	3.33	
206.00	2.90	3.33	
300.00	2.90	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

209

1988-B1
TONGI 6.400
COORDINATES 1 90.391 23.887
FLOW DIRECTION 0
DATUM 0.00
PROFILE 15
-300.00 10.00 1.00 <1>
-300.00 7.50 3.33
-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
21.00 1.00 1.00
80.00 3.70 1.00
90.00 7.50 3.33
105.00 7.50 3.33
300.00 7.50 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
TONGI 8.000
COORDINATES 1 90.403 23.881
FLOW DIRECTION 0
DATUM 0.00
PROFILE 11
-200.00 10.00 1.00 <1>
-200.00 8.30 3.33
-192.00 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>
18.00 -1.30 1.00
12.00 1.50 1.00
50.00 6.30 1.00
158.00 8.90 3.33
300.00 8.90 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
TONGI 8.300
COORDINATES 1 90.406 23.879
FLOW DIRECTION 0
DATUM 0.00
PROFILE 13
-200.00 10.00 1.00 <1>
-200.00 8.31 3.33
-100.00 8.30 3.33
-90.00 7.00 3.33
-40.00 6.80 3.33
-31.00 1.50 1.00
-8.00 -1.70 1.00 <2>
10.00 -1.30 1.00
33.00 1.50 1.00
43.00 6.10 1.00
150.00 7.80 3.33
300.00 8.00 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
TONGI 11.400
COORDINATES 1 90.458 23.892
FLOW DIRECTION 0
DATUM 0.00
PROFILE 20
-300.00 10.00 1.00 <1>
-300.00 2.10 3.33
-138.00 2.10 3.33
-108.00 2.30 3.33
-78.00 2.35 3.33
-68.00 2.50 3.33
-62.00 2.50 3.33
-38.00 1.60 1.00
-16.00 0.75 1.00
-6.00 -0.05 1.00
-2.00 -0.10 1.00
0.00 -0.20 1.00
1.00 -0.20 1.00 <2>
29.00 1.10 1.00
34.00 2.10 1.00
38.00 2.25 3.33
68.00 2.20 3.33
79.00 2.50 3.33
300.00 2.50 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-B1
TONGI 16.000
TON-3A
(Acc. dis. = 0.0 km)

COORDINATES
1 90.461 23.886

FLOW DIRECTION

0

DATUM

0.00

PROFILE	13		
-110.00	10.00	1.00	<1>
-110.00	4.30	3.33	
-20.00	3.20	3.33	
-5.00	1.00	1.00	
10.00	0.80	1.00	<2>
25.00	1.50	1.00	
10.00	2.50	1.00	
150.00	3.50	1.00	
200.00	3.50	3.33	
220.00	4.00	3.33	
250.00	3.50	3.33	
300.00	3.50	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
TURAG 0.000
TU-12A
(Acc. dis. = 39.5 km)

COORDINATES
1 90.373 23.976

FLOW DIRECTION

0

DATUM

0.00

PROFILE	11		
-1000.00	10.00	1.00	<1>
-1000.00	5.51	3.33	
-100.00	1.90	3.33	
-35.00	5.50	3.33	
-28.00	1.80	1.00	
0.00	0.80	1.00	<2>
28.00	1.70	1.00	
35.00	5.00	1.00	
190.00	1.00	3.33	
1000.00	4.00	3.33	
1000.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
TURAG 9.400
TU-12
(Acc. dis. = 28.0 km)

COORDINATES
1 90.338 23.915

FLOW DIRECTION

0

DATUM

0.00

PROFILE	21		
-1000.00	10.00	1.00	<1>
-1000.00	4.20	3.33	
-182.00	4.20	3.33	
-82.00	4.10	3.33	
-30.00	1.00	3.33	
-20.00	1.55	1.00	
-12.00	1.10	1.00	
-10.00	0.25	1.00	
0.00	-0.10	1.00	<2>
18.00	0.60	1.00	
28.00	1.60	1.00	
38.00	3.80	1.00	
58.00	4.10	1.00	
104.00	4.00	3.33	
163.00	3.80	3.33	
222.00	4.05	3.33	
252.00	4.10	3.33	
292.00	5.50	3.33	
384.00	6.20	3.33	
800.00	6.20	3.33	
800.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-B1
TURAG 12.100
TU-11
(Acc. dis. = 25.4 km)

COORDINATES
1 90.338 23.894

FLOW DIRECTION

0

DATUM

0.00

PROFILE	21		
-1000.00	10.00	1.00	<1>
-1000.00	3.20	3.33	
-190.00	3.20	3.33	
-160.00	3.40	3.33	
-130.00	3.70	3.33	
-100.00	1.00	3.33	
-70.00	3.60	3.33	
-66.00	2.10	3.33	
-30.00	2.10	3.33	
-22.00	1.60	1.00	
-10.00	0.80	1.00	
0.00	0.60	1.00	<2>
20.00	2.30	1.00	
80.00	2.70	1.00	
170.00	2.80	3.33	
260.00	3.80	3.33	
310.00	4.25	3.33	
370.00	6.00	3.33	
420.00	7.75	3.33	
490.00	9.00	3.33	
490.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

267

1988-B1
TURAG 13.000
COORDINATES 1 90.312 23.892
FLOW DIRECTION 0
DATUM 0.00
PROFILE 17
-1000.00 10.00 1.00 <1>
-1000.00 7.31 3.33
-260.00 7.30 3.33
-210.00 6.50 3.33
-220.00 7.80 3.33
-160.00 8.20 3.33
-140.00 7.80 3.33
-130.00 5.50 1.00
-80.00 3.50 1.00
-40.00 3.00 1.00
-30.00 1.00 1.00
-10.00 1.00 1.00 <2>
110.00 4.00 1.00
200.00 5.00 1.00
250.00 8.00 1.00
400.00 8.00 3.33
400.00 10.00 3.33 <3>

$$M_1 = 0.030$$

$$M_2 = 0.100$$

1988-B1
TURAG 13.100
COORDINATES 1 90.353 23.875
FLOW DIRECTION 0
DATUM 0.00
PROFILE 21
-100.00 10.00 1.00 <1>
-100.00 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 <2>
8.00 -0.10 1.00
22.00 1.00 1.00
31.00 2.20 1.00
40.00 3.10 1.00
84.00 3.80 3.33
144.00 3.25 3.33
204.00 3.00 3.33
231.00 2.60 3.33
266.00 2.60 3.33
291.00 3.90 3.33
321.00 4.50 3.33
357.00 7.00 3.33
408.00 8.75 3.33
408.00 10.00 3.33 <3>

$$M_1 = 0.030$$

$$M_2 = 0.100$$

1988-B1
TURAG 17.300
COORDINATES 1 90.318 23.857
FLOW DIRECTION 0
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
-21.00 2.90 3.33
-16.00 0.65 1.00
0.00 -0.80 1.00 <2>
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 <3>

$$M_1 = 0.030$$

$$M_2 = 0.100$$

1988-B1
TURAG 18.700
COORDINATES 1 90.310 23.816
FLOW DIRECTION 0
DATUM 0.00
PROFILE 18
-1300.00 10.00 1.00 <1>
-1300.00 3.01 3.33
-45.00 3.00 3.33
-35.00 1.50 1.00
-25.00 0.70 1.00
-15.00 0.10 1.00
0.00 0.10 1.00 <2>
15.00 0.50 1.00
15.00 4.00 1.00
63.00 5.10 3.33
75.00 7.00 3.33
98.00 5.00 3.33
115.00 2.50 3.33
180.00 2.50 3.33
212.00 3.50 3.33
315.00 4.20 3.33
700.00 5.10 3.33
700.00 10.00 3.33 <3>

$$M_1 = 0.030$$

$$M_2 = 0.100$$

1988-B1
TURAG 20.000
TU-8
(Acc. dis. = 17.5 km)

COORDINATES			
1	90.342	23.837	
FLOW DIRECTION			
0			
DATUM			
0.00			
PROFILE			
17			
-1000.00	10.00	1.00	<1>
-1000.00	2.00	3.33	
-250.00	2.00	3.33	
-190.00	1.90	3.33	
-126.00	2.10	3.33	
-45.00	2.30	3.33	
-33.00	0.80	1.00	
-20.00	-2.90	1.00	
-12.00	-5.10	1.00	
0.00	-7.00	1.00	<2>
10.00	-5.20	1.00	
25.00	1.00	1.00	
35.00	1.80	1.00	
103.00	2.30	3.33	
150.00	2.30	3.33	
1000.00	2.30	3.33	
1000.00	10.00	3.33	<3>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-B1
TURAG 22.500
TU-7
(Acc. dis. = 15.0 km)

COORDINATES			
1	90.310	23.821	
FLOW DIRECTION			
0			
DATUM			
0.00			
PROFILE			
22			
-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	1.00	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	-1.00	1.00	
14.00	-3.00	1.00	
22.00	1.10	1.00	
30.00	2.10	1.00	
61.00	1.80	3.33	
95.00	1.50	3.33	
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>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-B1
TURAG 25.600
TU-6
(Acc. dis. = 11.9 km)

COORDINATES			
1	90.313	23.797	
FLOW DIRECTION			
0			
DATUM			
0.00			
PROFILE			
15			
-500.00	10.00	1.00	<1>
-500.00	7.01	3.33	
-312.00	7.01	3.33	
-82.00	7.00	3.33	
-62.00	7.00	3.33	
-47.00	1.80	1.00	
-12.00	-1.50	1.00	
0.00	-1.50	1.00	<2>
15.00	-0.70	1.00	
32.00	1.80	1.00	
76.00	3.10	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>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-B1
TURAG 27.300
TU-6A
(Acc. dis. = 10.2 km)

COORDINATES			
1	90.310	23.783	
FLOW DIRECTION			
0			
DATUM			
0.00			
PROFILE			
5			
-75.00	11.00	1.00	<1>
-75.00	-2.20	1.00	
0.00	-2.20	1.00	
75.00	-2.20	1.00	<2>
75.00	11.00	1.00	<3>

$M_1 = 0.030$

1988-B1
TURAG

TU-5
(Acc. dis. = 8.1 km)

29.100

COORDINATES

1 90.316

23.770

FLOW DIRECTION

0

DATUM

0.00

PROFILE

15

-300.00	10.00	1.00	<1>
-300.00	2.11	3.33	
-100.00	2.10	3.33	
-31.00	2.10	3.33	
-23.00	0.90	1.00	
-10.00	-2.70	1.00	
0.00	-3.00	1.00	<2>
17.00	-1.50	1.00	
20.00	0.20	1.00	
33.00	1.20	1.00	
81.00	3.00	1.00	
108.00	4.00	3.33	
115.00	5.00	3.33	
1500.00	5.01	3.33	
1500.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-B1
TURAG

TU-4
(Acc. dis. = 5.8 km)

31.700

COORDINATES

1 90.333

23.753

FLOW DIRECTION

0

DATUM

0.00

PROFILE

17

-505.00	10.00	1.00	<1>
-505.00	3.51	3.33	
-185.00	3.50	1.00	
-95.00	3.48	1.00	
-55.00	-1.20	1.00	
-5.00	-2.55	1.00	
0.00	-2.70	1.00	<2>
21.00	-2.30	1.00	
11.00	-0.10	1.00	
57.00	2.50	1.00	
180.00	2.70	3.33	
210.00	3.55	3.33	
280.00	3.60	3.33	
361.00	5.00	3.33	
505.00	5.25	3.33	
1500.00	5.25	3.33	
1500.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-B1
TURAG

TU-4A
(Acc. dis. = 5.3 km)

32.200

COORDINATES

1 90.333

23.719

FLOW DIRECTION

0

DATUM

0.00

PROFILE

21

-1520.00	10.00	1.00	<1>
-1520.00	3.10	3.33	
-1390.00	1.00	3.33	
-1370.00	1.00	3.33	
-1360.00	3.80	3.33	
-890.00	2.40	3.33	
-870.00	5.50	3.33	
-745.00	4.60	3.33	
-720.00	2.50	3.33	
-510.00	3.00	3.33	
-220.00	5.50	3.33	
-75.00	4.00	3.33	
-70.00	2.80	1.00	
-60.00	2.00	1.00	
-30.00	0.70	1.00	
0.00	0.10	1.00	<2>
30.00	0.60	1.00	
60.00	1.90	1.00	
255.00	1.70	1.00	
320.00	3.00	1.00	
430.00	3.00	1.00	
430.00	4.20	1.00	
480.00	1.50	3.33	
480.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-B1
TURAG

TU-1
(Acc. dis. = 0.0 km)

37.500

COORDINATES

1 90.348

23.712

FLOW DIRECTION

0

DATUM

0.00

PROFILE

19

-1300.00	10.00	1.00	<1>
-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	1.00	
-123.00	-3.60	1.00	
-105.00	-3.75	1.00	
-25.00	-3.75	1.00	<2>
0.00	-1.60	1.00	
30.00	-3.00	1.00	
50.00	-1.00	1.00	
70.00	1.90	1.00	
109.00	1.50	3.30	
115.00	4.10	3.30	
175.00	3.75	3.30	
800.00	3.75	3.30	<3>
800.00	10.00	3.30	

$n_1 = 0.030$

$n_2 = 0.100$

4) Boundary Condition of Withhold Project

EXTRACTION FROM THE DATA BASE									
28	B.5								
BOUNDARY No. 1		at:		Boundary type...		1: WATER LEVEL			
River name : BANSI		Chainage(km) : 0.000				2: DISCHARGE			
						3: WIND FIELD			
						4: RESISTANCE FACTOR			
						5: GATE LEVEL			
Name of Data base		Name of Event		Start time		Finish time			
WL		Q-NAYAPHAT		1988 8 1 12 0		1988 9 30 12 0			
Right (y/n) :									

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

EXTRACTION FROM THE DATA BASE									
28	B.5								
BOUNDARY No. 2		at:		Boundary type...		1: WATER LEVEL			
River name : TURAG		Chainage(km) : 0.000				2: DISCHARGE			
						3: WIND FIELD			
						4: RESISTANCE FACTOR			
						5: GATE LEVEL			
Name of Data base		Name of Event		Start time		Finish time			
WL		Q-TUI2A0.5		1988 8 1 12 0		1988 9 30 12 0			
Right (y/n) :									

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

EXTRACTION FROM THE DATA BASE									
28	B.5								
BOUNDARY No. 3		at:		Boundary type...		1: WATER LEVEL			
River name : BALU		Chainage(km) : 0.000				2: DISCHARGE			
						3: WIND FIELD			
						4: RESISTANCE FACTOR			
						5: GATE LEVEL			
Name of Data base		Name of Event		Start time		Finish time			
WL		Q-B7A0.8		1988 8 1 12 0		1988 9 30 12 0			
Right (y/n) :									

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

EXTRACTION FROM THE DATA BASE									
28	B.5								
BOUNDARY No. 4		at:		Boundary type...		1: WATER LEVEL			
River name : LAKHYA		Chainage(km) : 0.000				2: DISCHARGE			
						3: WIND FIELD			
						4: RESISTANCE FACTOR			
						5: GATE LEVEL			
Name of Data base		Name of Event		Start time		Finish time			
WL		Q-DENRA179		1988 8 1 12 0		1988 9 30 12 0			
Right (y/n) :									

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 5 at: Boundary 1: WATER LEVEL
 River name : DHALESWARI type...: 1 2: DISCHARGE
 Chainage(km) : 60.200 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

(Sub-catchment No. 5)

Name of Data base : Event : Start time : Finish time
 : WL : KALAGACHIA : 1988 8 1 12 0 : 1988 9 30 12 0 :
 Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 6 at: Boundary 1: WATER LEVEL
 River name : BANSI type...: 2 2: DISCHARGE
 Chainage(km) : 2.000 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

(Sub-catchment No. 6)

Name of Data base : Event : Start time : Finish time
 : RAIN : D-1 : 1988 8 1 12 0 : 1988 9 30 12 0 :
 Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 7 at: Boundary 1: WATER LEVEL
 River name : DHALESWARI type...: 2 2: DISCHARGE
 Chainage(km) : 10.600 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

(Sub-catchment No. 7)

Name of Data base : Event : Start time : Finish time
 : RAIN : D-2 : 1988 8 1 12 0 : 1988 9 30 12 0 :
 Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 8 at: Boundary 1: WATER LEVEL
 River name : DHALESWARI type...: 2 2: DISCHARGE
 Chainage(km) : 12.200 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

(Sub-catchment No. 8)

Name of Data base : Event : Start time : Finish time
 : RAIN : D-3 : 1988 8 1 12 0 : 1988 9 30 12 0 :
 Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 9 at: Boundary type...: 2

River name : TURAG

Chainage(km) : 5.000

(Sub-catchment No.4)

Name of Data base : Event : Start time : Finish time

RAIN : BU-1 : 1988 8 1 12 0 : 1988 9 30 12 0 :

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 11 at: Boundary type...: 2

River name : TURAG

Chainage(km) : 22.500

(Sub-catchment No.6)

Name of Data base : Event : Start time : Finish time

RAIN : BU-3 : 1988 8 1 12 0 : 1988 9 30 12 0 :

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 10 at: Boundary type...: 2

River name : TURAG

Chainage(km) : 15.100

(Sub-catchment No.5)

Name of Data base : Event : Start time : Finish time

RAIN : BU-2 : 1988 8 1 12 0 : 1988 9 30 12 0 :

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 12 at: Boundary type...: 2

River name : TURAG

Chainage(km) : 25.600

(Sub-catchment No.7)

Name of Data base : Event : Start time : Finish time

RAIN : BU-4 : 1988 8 1 12 0 : 1988 9 30 12 0 :

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

88c

29 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 13 at: Boundary type...: 2
 River name : TURAG
 Chainage(km) : 29,400

(Sub-catchment No.8)

Name of Data base	Event	Start time	Finish time
RAIN	BU-5	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

29 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 14 at: Boundary type...: 2
 River name : BURIGANGA
 Chainage(km) : 1,300

(Sub-catchment No.9)

Name of Data base	Event	Start time	Finish time
RAIN	BU-6	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 15 at: Boundary type...: 2
 River name : BURIGANGA
 Chainage(km) : 1,800

(Sub-catchment No.10)

Name of Data base	Event	Start time	Finish time
RAIN	BU-7	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 16 at: Boundary type...: 2
 River name : BURIGANGA
 Chainage(km) : 7,000

(Sub-catchment No.11)

Name of Data base	Event	Start time	Finish time
RAIN	BU-8	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

```

28  B.5  EXTRACTION FROM THE DATA BASE
-----
BOUNDARY No. 17 at:
River name : TONGI
Chainage(km) : 8.300
(Sub-catchment No. 12)

Name of      Name of
Data base : Event      Start time      Finish time
-----
RAIN : T-1      : 1988 8 1 12 0 : 1988 9 30 12 0 :
Right (y/n) :
-----
Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

```

```

28  B.5  EXTRACTION FROM THE DATA BASE
-----
BOUNDARY No. 18 at:
River name : TONGI
Chainage(km) : 12.200
(Sub-catchment No. 13)

Name of      Name of
Data base : Event      Start time      Finish time
-----
RAIN : T-2      : 1988 8 1 12 0 : 1988 9 30 12 0 :
Right (y/n) :
-----
Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

```

```

28  B.5  EXTRACTION FROM THE DATA BASE
-----
BOUNDARY No. 19 at:
River name : TONGI
Chainage(km) : 11.400
(Sub-catchment No. 14)

Name of      Name of
Data base : Event      Start time      Finish time
-----
RAIN : T-3      : 1988 8 1 12 0 : 1988 9 30 12 0 :
Right (y/n) :
-----
Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

```

```

28  B.5  EXTRACTION FROM THE DATA BASE
-----
BOUNDARY No. 20 at:
River name : BALU
Chainage(km) : 7.100
(Sub-catchment No. 15)

Name of      Name of
Data base : Event      Start time      Finish time
-----
RAIN : BA-1      : 1988 8 1 12 0 : 1988 9 30 12 0 :
Right (y/n) :
-----
Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

```

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 21 at: Boundary type.... 2

River name : BALU

Chainage(km) : 11.900

(Sub-catchment No. 16)

Name of Data base	Name of Event	Start time	Finish time
RAIN	BA-2	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 22 at: Boundary type.... 2

River name : BALU

Chainage(km) : 15.500

(Sub-catchment No. 17)

Name of Data base	Name of Event	Start time	Finish time
RAIN	BA-3	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 23 at: Boundary type.... 2

River name : BALU

Chainage(km) : 17.700

(Sub-catchment No. 18)

Name of Data base	Name of Event	Start time	Finish time
RAIN	BA-4	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 24 at: Boundary type.... 2

River name : BALU

Chainage(km) : 23.500

(Sub-catchment No. 19)

Name of Data base	Name of Event	Start time	Finish time
RAIN	BA-5	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 25 at:
 River name : LAKHYA
 Chainage(km) : 7.900

(Sub-catchment No.20)

Name of Data base	Name of Event	Start time	Finish time
RAIN	L-1	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

1: WATER LEVEL
 2: DISCHARGE
 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 26 at:
 River name : LAKHYA
 Chainage(km) : 13.100

(Sub-catchment No.21)

Name of Data base	Name of Event	Start time	Finish time
RAIN	L-2	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

1: WATER LEVEL
 2: DISCHARGE
 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 27 at:
 River name : LAKHYA
 Chainage(km) : 13.200

(Sub-catchment No.22)

Name of Data base	Name of Event	Start time	Finish time
RAIN	L-3	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

1: WATER LEVEL
 2: DISCHARGE
 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

28 B.5 EXTRACTION FROM THE DATA BASE

BOUNDARY No. 28 at:
 River name : DHALESWARI
 Chainage(km) : 18.200

(Sub-catchment No.23)

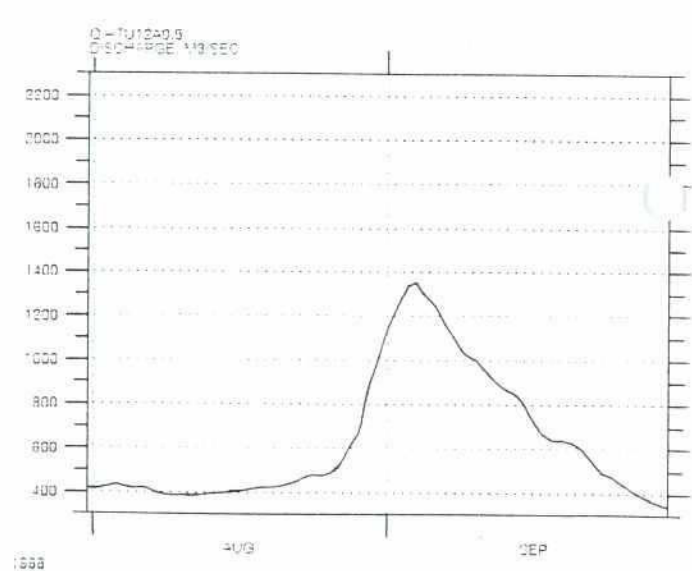
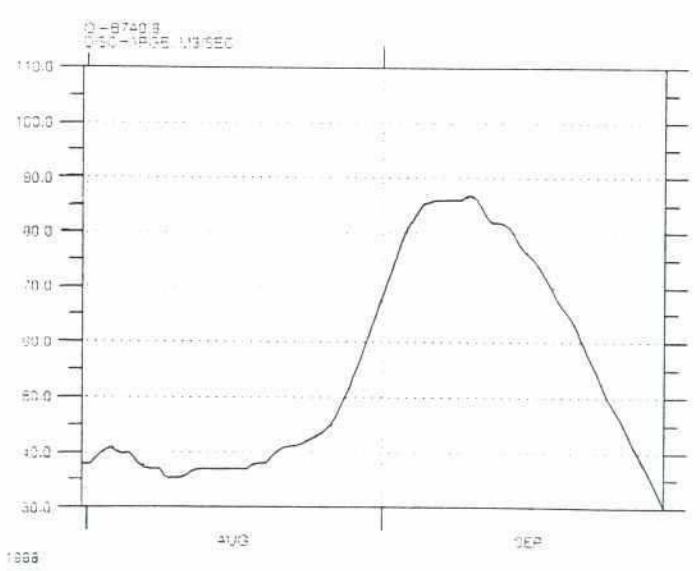
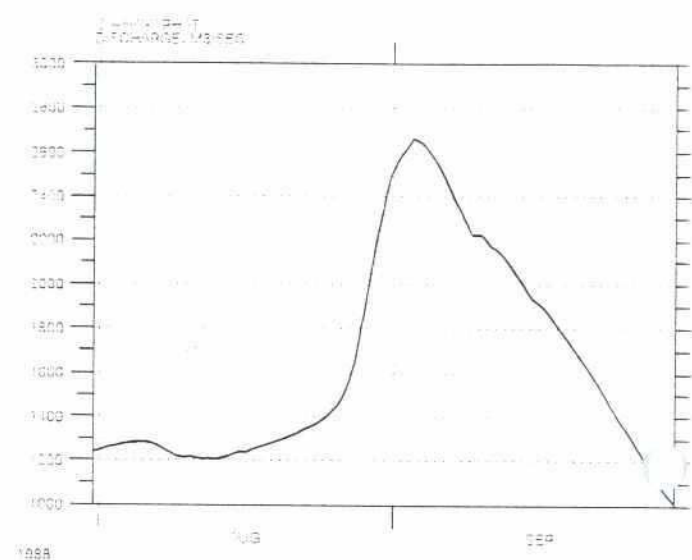
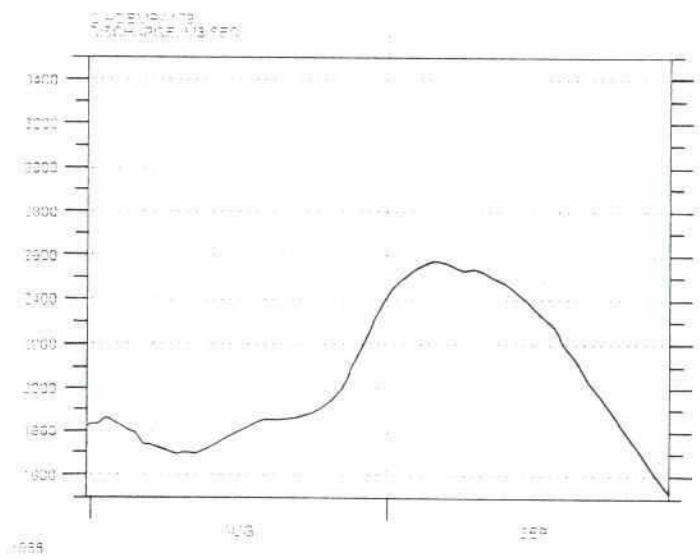
Name of Data base	Name of Event	Start time	Finish time
WL	Q-KALIGAN2.1	1988 8 1 12 0	1988 9 30 12 0

Right (y/n) :

1: WATER LEVEL
 2: DISCHARGE
 3: WIND FIELD
 4: RESISTANCE FACTOR
 5: GATE LEVEL

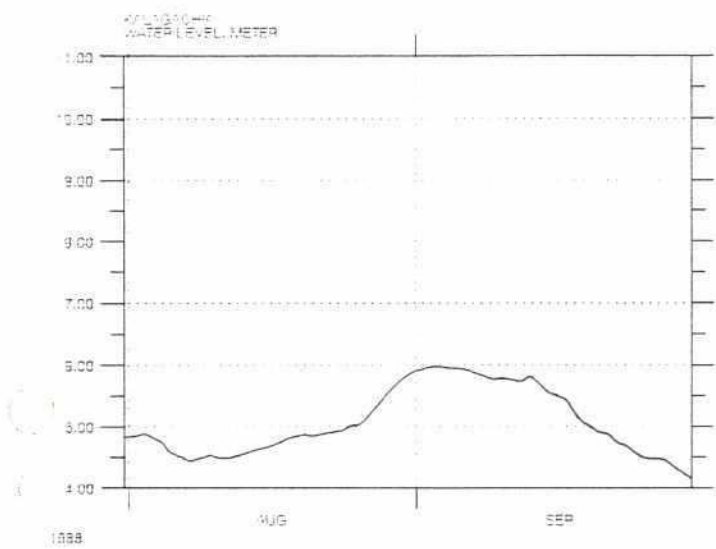
Enter: (E/I/D/ESC) Edit Insert Delete <esc>=return

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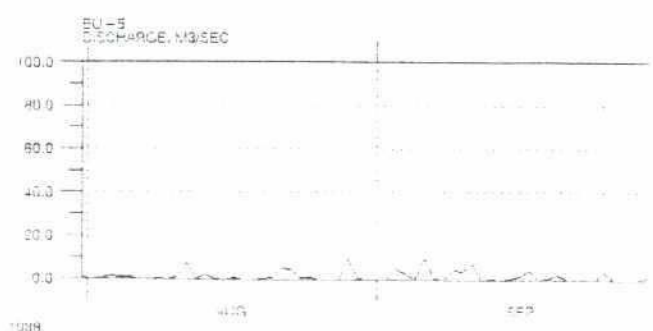
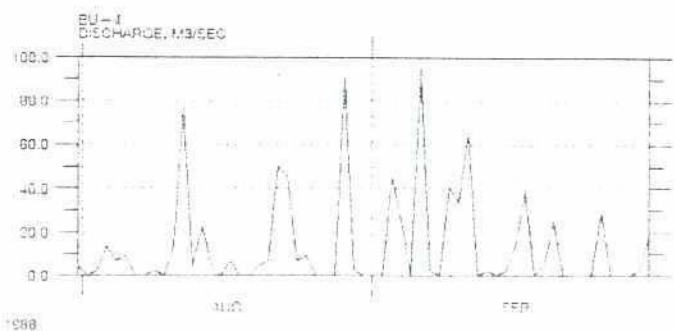
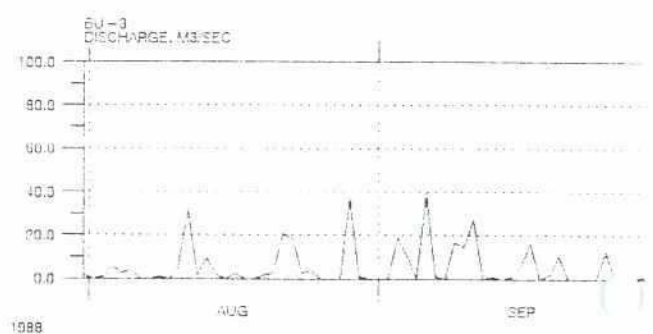
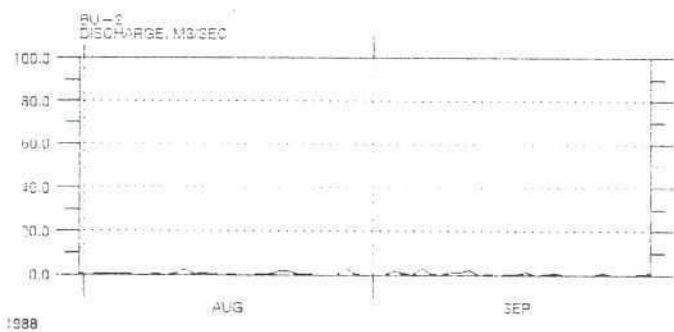
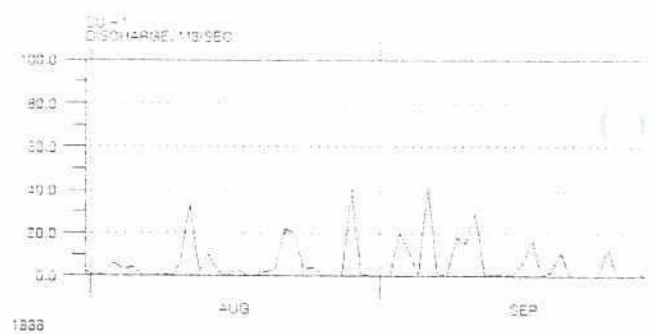
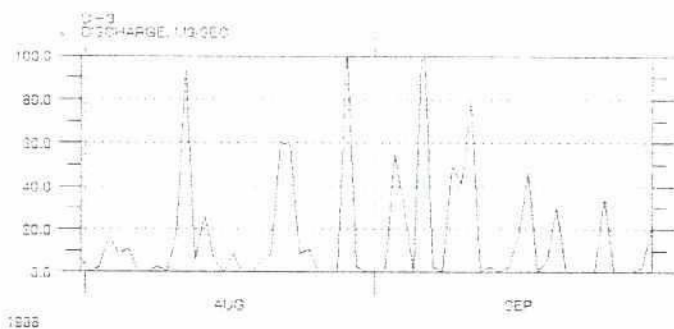
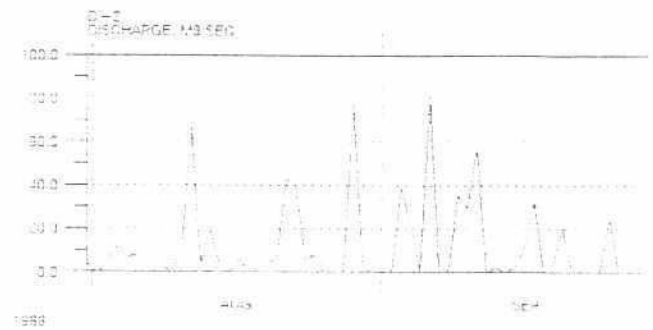
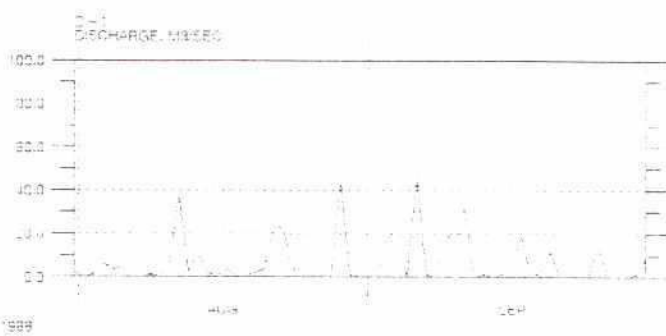


MIKE 11

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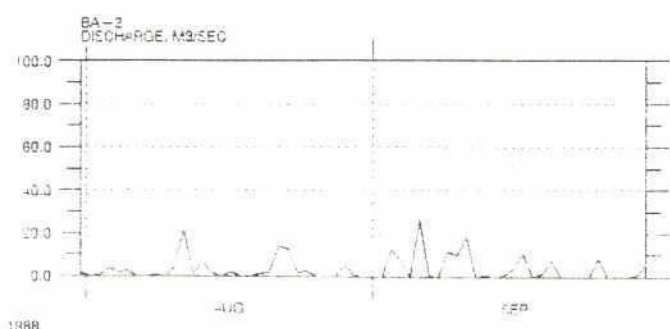
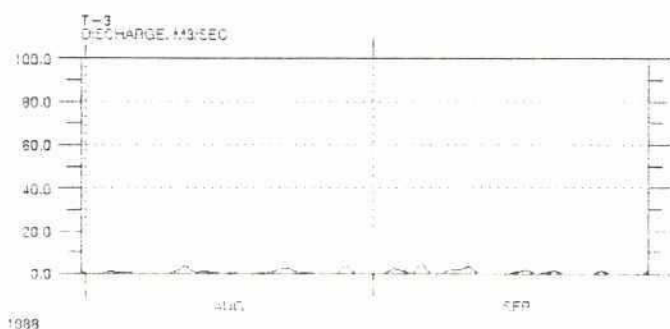
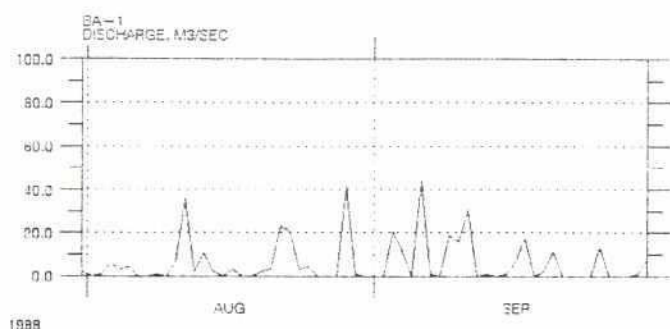
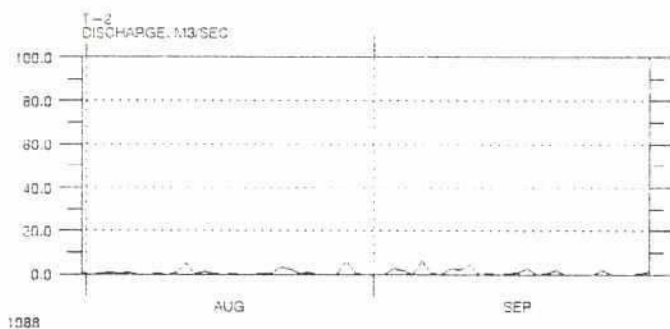
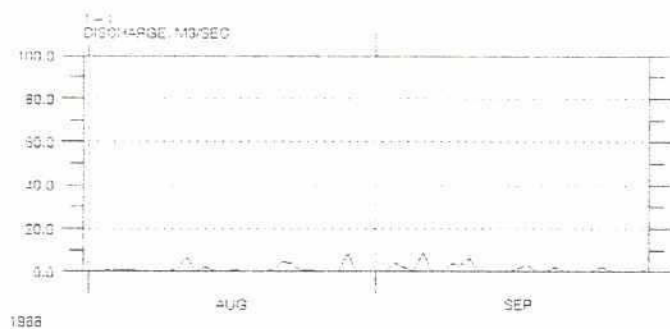
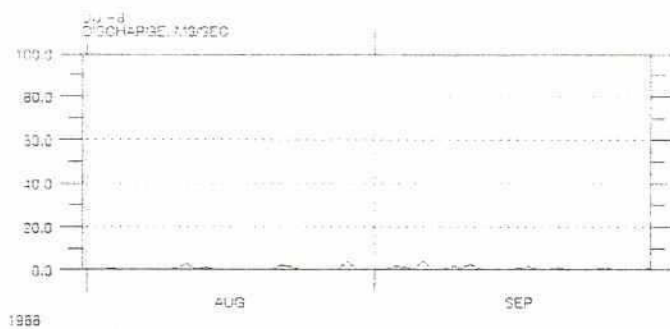
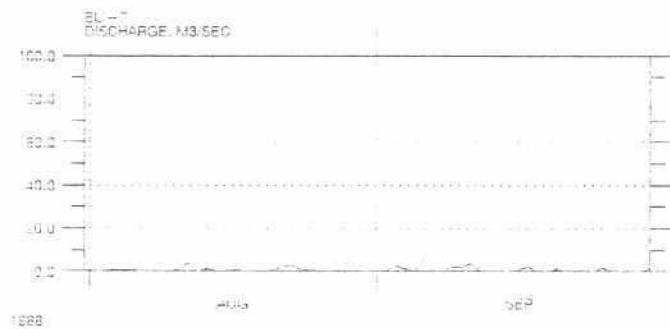
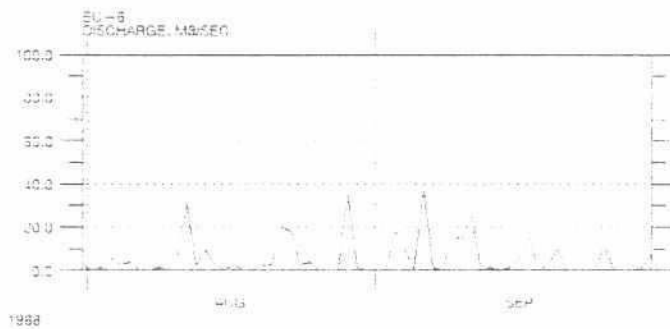


MIKE 11

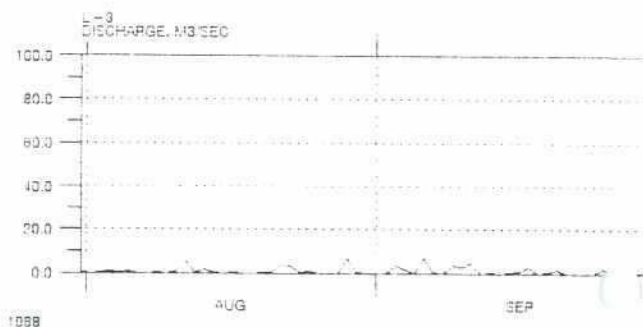
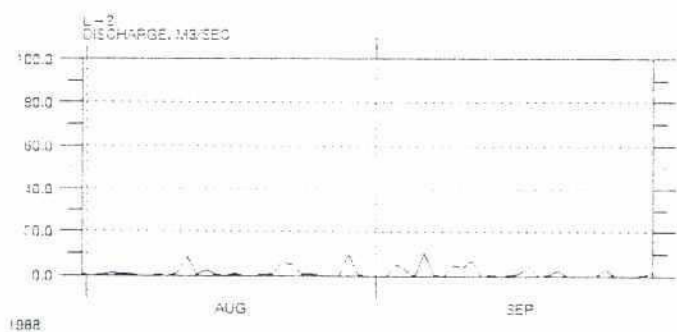
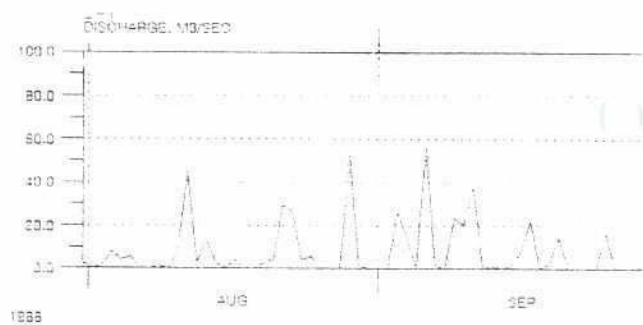
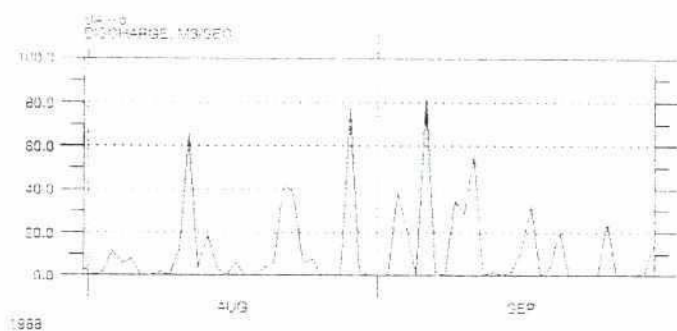
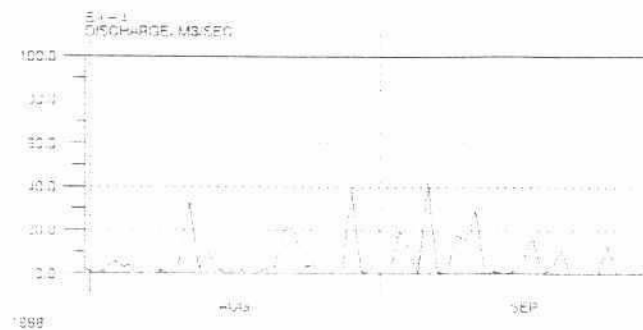
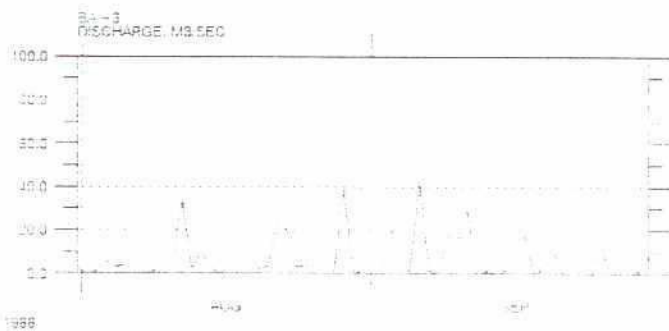


MIKE 11

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MIKE 11



MIKE 11

Q - NAYARHAT

DATA BASE		WL	IDENTIFICATION: Q-NAYARHAT
EDITED		: 13-MAY-1991, 15:34	
HOURS:MIN		DISCHARGE, M3/SEC	
1988			
8-1			
12:0		1242	
8-2			
12:0		1250	
8-3			
12:0		1263	
8-4			
12:0		1275	
8-5			
12:0		1275	
8-6			
12:0		1280	
8-7			
12:0		1275	
8-8			
12:0		1255	
8-9			
12:0		1230	
8-10			
12:0		1213	
8-11			
12:0		1218	
8-12			
12:0		1209	
8-13			
12:0		1213	
8-14			
12:0		1213	
8-15			
12:0		1222	
8-16			
12:0		1238	
8-17			
12:0		1238	
8-18			
12:0		1259	
8-19			
12:0		1275	
8-20			
12:0		1288	
8-21			
12:0		1309	
8-22			
12:0		1325	
8-23			
12:0		1351	
8-24			
12:0		1372	
8-25			
12:0		1405	
8-26			
12:0		1452	
8-27			
12:0		1512	

8-28			
12:0		1655	
8-29			
12:0		1899	
8-30			
12:0		2135	
8-31			
12:0		2349	
9-1			
12:0		2509	
9-2			
12:0		2611	
9-3			
12:0		2657	
9-4			
12:0		2629	
9-5			
12:0		2585	
9-6			
12:0		2514	
9-7			
12:0		2419	
9-8			
12:0		2316	
9-9			
12:0		2223	
9-10			
12:0		2223	
9-11			
12:0		2172	
9-12			
12:0		2140	
9-13			
12:0		2091	
9-14			
12:0		2016	
9-15			
12:0		1944	
9-16			
12:0		1908	
9-17			
12:0		1850	
9-18			
12:0		1796	
9-19			
12:0		1739	
9-20			
12:0		1677	
9-21			
12:0		1616	
9-22			
12:0		1546	
9-23			
12:0		1473	
9-24			
12:0		1401	

MIKE 11 SYSTEM

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DATA BASE	WL	IDENTIFICATION:	Q-NAYARHAT
EDITED	13-MAY-1991, 15:34		
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	1330		
9-26			
12: 0	1259		
9-27			
12: 0	1193		
9-28			
12: 0	1120		
9-29			
12: 0	1059		
9-30			
12: 0	1003		

MIKE 11 SYSTEM

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DATA BASE	WL	IDENTIFICATION:	Q-TUI2A0.5
EDITED	7-JUN-1991, 09:51		
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	415.0		
8- 2			
12: 0	415.0		
8- 3			
12: 0	420.0		
8- 4			
12: 0	430.0		
8- 5			
12: 0	420.0		
8- 6			
12: 0	415.0		
8- 7			
12: 0	415.0		
8- 8			
12: 0	400.0		
8- 9			
12: 0	390.0		
8-10			
12: 0	385.0		
8-11			
12: 0	390.0		
8-12			
12: 0	390.0		
8-13			
12: 0	390.0		
8-14			
12: 0	395.0		
8-15			
12: 0	400.0		
8-16			
12: 0	410.0		
8-17			
12: 0	410.0		
8-18			
12: 0	415.0		
8-19			
12: 0	420.0		
8-20			
12: 0	425.0		
8-21			
12: 0	425.0		
8-22			
12: 0	440.0		
8-23			
12: 0	455.0		
8-24			
12: 0	480.0		
8-25			
12: 0	480.0		
8-26			
12: 0	485.0		
8-27			
12: 0	515.0		

502

Q-TU12A0.5

8-29	595.0	
12: 0		
8-29	670.0	
12: 0		
8-30	360.0	
12: 0		
8-31	1010	
12: 0		
9- 1	1140	
12: 0		
9- 2	1240	
12: 0		
9- 3	1340	
12: 0		
9- 4	1350	
12: 0		
9- 5	1290	
12: 0		
9- 6	1240	
12: 0		
9- 7	1150	
12: 0		
9- 8	1090	
12: 0		
9- 9	1020	
12: 0		
9-10	1003	
12: 0		
9-11	950.0	
12: 0		
9-12	910.0	
12: 0		
9-13	865.0	
12: 0		
9-14	855.0	
12: 0		
9-15	800.0	
12: 0		
9-16	730.0	
12: 0		
9-17	665.0	
12: 0		
9-18	640.0	
12: 0		
9-19	640.0	
12: 0		
9-20	625.0	
12: 0		
9-21	595.0	
12: 0		
9-22	550.0	
12: 0		
9-23	490.0	
12: 0		
9-24	480.0	
12: 0		
MIKE 11 SYSTEM		Page: 1

DATA BASE	:	WL	IDENTIFICATION:	Q-TU12A0.5
EDITED	:	7-JUN-1991, 09:31		
DISCHARGE,				
M3/SEC				
HOURS:MIN				
9-25				
12: 0		440.0		
9-26				
12: 0		415.0		
9-27				
12: 0		390.0		
9-28				
12: 0		375.0		
9-29				
12: 0		355.0		
9-30				
12: 0		340.0		
MIKE 11 SYSTEM				
				Page: 2

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Q-B7A0.8

DATA BASE		WL	IDENTIFICATION:	Q-B7A0.8
EDITED		1-JUN-1991, 12:14		
HOURS:MIN		DISCHARGE, M3/SEC		
1988				
8-1				
12:0		38.00		
8-2				
12:0		38.00		
8-3				
12:0		40.00		
8-4				
12:0		41.00		
8-5				
12:0		40.00		
8-6				
12:0		40.00		
8-7				
12:0		38.00		
8-8				
12:0		37.00		
8-9				
12:0		37.00		
8-10				
12:0		35.00		
8-11				
12:0		35.00		
8-12				
12:0		36.00		
8-13				
12:0		37.00		
8-14				
12:0		37.00		
8-15				
12:0		37.00		
8-16				
12:0		37.00		
8-17				
12:0		37.00		
8-18				
12:0		37.00		
8-19				
12:0		38.00		
8-20				
12:0		38.00		
8-21				
12:0		40.00		
8-22				
12:0		41.00		
8-23				
12:0		41.00		
8-24				
12:0		42.00		
8-25				
12:0		43.00		
8-26				
12:0		44.00		
8-27				
12:0		46.00		

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DATA BASE	WL	IDENTIFICATION:	Q-B7A0.8
EDITED	1-JUN-1991, 12:14		
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	47.00		
9-26			
12: 0	44.00		
9-27			
12: 0	40.00		
9-28			
12: 0	37.00		
9-29			
12: 0	34.00		
9-30			
12: 0	30.00		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE	WL	IDENTIFICATION:	Q-DENRA179
EDITED	13-MAY-1991, 15:29		
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	1830		
8- 2			
12: 0	1835		
8- 3			
12: 0	1862		
8- 4			
12: 0	1840		
8- 5			
12: 0	1814		
8- 6			
12: 0	1782		
8- 7			
12: 0	1756		
8- 8			
12: 0	1729		
8- 9			
12: 0	1724		
8-10			
12: 0	1698		
8-11			
12: 0	1703		
8-12			
12: 0	1698		
8-13			
12: 0	1714		
8-14			
12: 0	1735		
8-15			
12: 0	1766		
8-16			
12: 0	1787		
8-17			
12: 0	1808		
8-18			
12: 0	1835		
8-19			
12: 0	1851		
8-20			
12: 0	1856		
8-21			
12: 0	1856		
8-22			
12: 0	1862		
8-23			
12: 0	1878		
8-24			
12: 0	1888		
8-25			
12: 0	1904		
8-26			
12: 0	1947		
8-27			

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Q-DEMRA 179

12: 0	1996
8-28	
12: 0	2078
8-29	
12: 0	2177
8-30	
12: 0	2272
8-31	
12: 0	2367
9- 1	
12: 0	2430
9- 2	
12: 0	2482
9- 3	
12: 0	2522
9- 4	
12: 0	2551
9- 5	
12: 0	2569
9- 6	
12: 0	2574
9- 7	
12: 0	2563
9- 8	
12: 0	2540
9- 9	
12: 0	2534
9-10	
12: 0	2540
9-11	
12: 0	2517
9-12	
12: 0	2494
9-13	
12: 0	2471
9-14	
12: 0	2412
9-15	
12: 0	2402
9-16	
12: 0	2362
9-17	
12: 0	2323
9-18	
12: 0	2289
9-19	
12: 0	2199
9-20	
12: 0	2150
9-21	
12: 0	2083
9-22	
12: 0	2012
9-23	
12: 0	1958
9-24	
12: 0	1883

MIKE 11 SYSTEM

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DATA BASE	WL	IDENTIFICATION:	Q-DEMRA179
EDITED	13-MAY-1991, 15:29		
HOURS:MIN	DISCHARGE:		
	N3/SEC		
9-25			
12: 0	1819		
9-26			
12: 0	1766		
9-27			
12: 0	1698		
9-28			
12: 0	1636		
9-29			
12: 0	1579		
9-30			
12: 0	1523		
MIKE 11 SYSTEM			
			Page: 2

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KALAGACHIA

DATA BASE		WL	IDENTIFICATION:		KALAGACHIA
EDITED		: 13-MAY-1991, 11:29			
HOURS:MIN		WATER LEVEL, METER			
1988					
8- 1		4.82			
12: 0					
8- 2		4.85			
12: 0					
8- 3		4.87			
12: 0					
8- 4		4.83			
12: 0					
8- 5		4.75			
12: 0					
8- 6		4.56			
12: 0					
8- 7		4.50			
12: 0					
8- 8		4.44			
12: 0					
8- 9		4.47			
12: 0					
8-10		4.54			
12: 0					
8-11		4.48			
12: 0					
8-12		4.49			
12: 0					
8-13		4.53			
12: 0					
8-14		4.57			
12: 0					
8-15		4.63			
12: 0					
8-16		4.66			
12: 0					
8-17		4.71			
12: 0					
8-18		4.80			
12: 0					
8-19		4.83			
12: 0					
8-20		4.87			
12: 0					
8-21		4.85			
12: 0					
8-22		4.88			
12: 0					
8-23		4.89			
12: 0					
8-24		4.93			
12: 0					
8-25		5.00			
12: 0					
8-26		5.03			
12: 0					
8-27		5.20			
12: 0					

8-28	5.40
12:0	
8-29	5.57
12:0	
8-30	5.72
12:0	
8-31	5.84
12:0	
9-1	5.91
12:0	
9-2	5.95
12:0	
9-3	5.97
12:0	
9-4	5.95
12:0	
9-5	5.94
12:0	
9-6	5.92
12:0	
9-7	5.87
12:0	
9-8	5.83
12:0	
9-9	5.78
12:0	
9-10	5.80
12:0	
9-11	5.76
12:0	
9-12	5.74
12:0	
9-13	5.82
12:0	
9-14	5.67
12:0	
9-15	5.56
12:0	
9-16	5.51
12:0	
9-17	5.39
12:0	
9-18	5.09
12:0	
9-19	5.00
12:0	
9-20	4.91
12:0	
9-21	4.89
12:0	
9-22	4.75
12:0	
9-23	4.69
12:0	
9-24	4.58
12:0	

MIKE 11 SYSTEM

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DATA BASE	WL	IDENTIFICATION:	KALAGACHIA
EDITED	13-MAY-1991, 11:29		
HOURS:MIN	WATER LEVEL, NETER		
9-25			
12: 0	4.49		
9-26			
12: 0	4.47		
9-27			
12: 0	4.46		
9-28			
12: 0	4.36		
9-29			
12: 0	4.25		
9-30			
12: 0	4.14		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE	WL	IDENTIFICATION:	Q-KALIGANG.1
EDITED	6-JUN-1991, 16:52		
HOURS:MIN	DISCHARGE, N3/SEC		
1988			
8- 1			
12: 0	1219		
8- 2			
12: 0	1295		
8- 3			
12: 0	1387		
8- 4			
12: 0	1353		
8- 5			
12: 0	1290		
8- 6			
12: 0	1263		
8- 7			
12: 0	1227		
8- 8			
12: 0	1143		
8- 9			
12: 0	1085		
8-10			
12: 0	1082		
8-11			
12: 0	1055		
8-12			
12: 0	1045		
8-13			
12: 0	1040		
8-14			
12: 0	1061		
8-15			
12: 0	1114		
8-16			
12: 0	1160		
8-17			
12: 0	1202		
8-18			
12: 0	1286		
8-19			
12: 0	1374		
8-20			
12: 0	1486		
8-21			
12: 0	1570		
8-22			
12: 0	1616		
8-23			
12: 0	1631		
8-24			
12: 0	1754		
8-25			
12: 0	1826		
8-26			
12: 0	5027		
8-27			
12: 0	5342		

0-KALIGAN 2.1

8-28	6075	
12: 0		
8-29	6639	
12: 0		
8-30	7461	
12: 0		
8-31	8455	
12: 0		
9- 1	11542	
12: 0		
9- 2	13278	
12: 0		
9- 3	13885	
12: 0		
9- 4	13915	
12: 0		
9- 5	13037	
12: 0		
9- 6	12627	
12: 0		
9- 7	11951	
12: 0		
9- 8	11323	
12: 0		
9- 9	10687	
12: 0		
9-10	10582	
12: 0		
9-11	10004	
12: 0		
9-12	9471	
12: 0		
9-13	9141	
12: 0		
9-14	8908	
12: 0		
9-15	8459	
12: 0		
9-16	8077	
12: 0		
9-17	7781	
12: 0		
9-18	7501	
12: 0		
9-19	6995	
12: 0		
9-20	6703	
12: 0		
9-21	6178	
12: 0		
9-22	5727	
12: 0		
9-23	5426	
12: 0		
9-24	5187	
12: 0		
MIKE 11 SYSTEM		Page: 1

DATA BASE	: WL	IDENTIFICATION: 0-KALIGAN2.1
EDITED	: 6-JUN-1991, 16:52	
DISCHARGE,		
N3/SEC		
HOURS:MIN		
9-25		
12: 0	4904	
9-26		
12: 0	4727	
9-27		
12: 0	4523	
9-28		
12: 0	4431	
9-29		
12: 0	4244	
9-30		
12: 0	4135	
MIKE 11 SYSTEM		Page: 2

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D-1
(No. 13)

DATA BASE		RAIN		IDENTIFICATION:	
EDITED		16-MAY-1991, 16:04		D-1	
				(No. 13)	
HOURS:MIN		DISCHARGE,			
		M3/SEC			
1988					
8-1		2.200			
12:0					
8-2		0.000			
12:0					
8-3		1.100			
12:0					
8-4		6.600			
12:0					
8-5		3.300			
12:0					
8-6		4.400			
12:0					
8-7		0.000			
12:0					
8-8		0.000			
12:0					
8-9		1.100			
12:0					
8-10		0.000			
12:0					
8-11		6.600			
12:0					
8-12		37.60			
12:0					
8-13		2.200			
12:0					
8-14		11.10			
12:0					
8-15		2.200			
12:0					
8-16		0.000			
12:0					
8-17		3.300			
12:0					
8-18		0.000			
12:0					
8-19		0.000			
12:0					
8-20		2.200			
12:0					
8-21		3.300			
12:0					
8-22		24.30			
12:0					
8-23		22.10			
12:0					
8-24		3.300			
12:0					
8-25		4.400			
12:0					
8-26		0.000			
12:0					
8-27		0.000			
12:0					

8-28	12:0	0.000
8-29	12:0	44.30
8-30	12:0	1.100
8-31	12:0	0.000
9-1	12:0	0.000
9-2	12:0	0.000
9-3	12:0	22.10
9-4	12:0	12.20
9-5	12:0	0.000
9-6	12:0	46.50
9-7	12:0	1.100
9-8	12:0	0.000
9-9	12:0	19.90
9-10	12:0	16.60
9-11	12:0	32.10
9-12	12:0	0.000
9-13	12:0	1.100
9-14	12:0	0.000
9-15	12:0	1.100
9-16	12:0	6.600
9-17	12:0	18.80
9-18	12:0	0.000
9-19	12:0	2.200
9-20	12:0	12.20
9-21	12:0	0.000
9-22	12:0	0.000
9-23	12:0	0.000
9-24	12:0	0.000
12:0		0.000

NIKE 11 SYSTEM

DATA BASE	RAIN	IDENTIFICATION:	D-1
EDITED	16-MAY-1991, 16:04		Wb.13
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	14.40		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.100		
9-30			
12: 0	8.900		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE	RAIN	IDENTIFICATION:	D-2
EDITED	16-MAY-1991, 17:02		Wb.23
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8-1			
12: 0	3.900		
8-2			
12: 0	0.000		
8-3			
12: 0	2.000		
8-4			
12: 0	11.70		
8-5			
12: 0	5.900		
8-6			
12: 0	7.800		
8-7			
12: 0	0.000		
8-8			
12: 0	0.000		
8-9			
12: 0	2.000		
8-10			
12: 0	0.000		
8-11			
12: 0	11.70		
8-12			
12: 0	66.40		
8-13			
12: 0	3.900		
8-14			
12: 0	19.50		
8-15			
12: 0	3.900		
8-16			
12: 0	0.000		
8-17			
12: 0	5.900		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	3.900		
8-21			
12: 0	5.900		
8-22			
12: 0	43.00		
8-23			
12: 0	39.10		
8-24			
12: 0	5.900		
8-25			
12: 0	7.800		
8-26			
12: 0	0.000		
8-27			
12: 0	0.000		

D-2
(Ab. 2)

8-28	0.000
12: 0	
8-29	78.20
12: 0	
8-30	2.000
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	39.10
12: 0	
9- 4	21.50
12: 0	
9- 5	0.000
12: 0	
9- 6	82.10
12: 0	
9- 7	2.000
12: 0	
9- 8	0.000
12: 0	
9- 9	35.20
12: 0	
9-10	29.30
12: 0	
9-11	56.70
12: 0	
9-12	0.000
12: 0	
9-13	2.000
12: 0	
9-14	0.000
12: 0	
9-15	2.000
12: 0	
9-16	11.70
12: 0	
9-17	33.20
12: 0	
9-18	0.000
12: 0	
9-19	3.900
12: 0	
9-20	21.50
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	D-2
EDITED	16-MAY-1991, 17:02		(Ab. 2)
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	25.40		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	2.000		
9-30			
12: 0	15.60		

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D-3
(No. 3)

DATA BASE		RAIN	IDENTIFICATION:	
EDITED	: 16-MAY-1991, 17:06		D-3	
			(No. 3)	
HOURS: MIN		DISCHARGE, M3/SEC		
1988				
8-1				
12: 0		5.500		
8-2				
12: 0		0.000		
8-3				
12: 0		2.700		
8-4				
12: 0		16.50		
8-5				
12: 0		8.200		
8-6				
12: 0		11.00		
8-7				
12: 0		0.000		
8-8				
12: 0		0.000		
8-9				
12: 0		2.700		
8-10				
12: 0		0.000		
8-11				
12: 0		16.50		
8-12				
12: 0		93.40		
8-13				
12: 0		5.500		
8-14				
12: 0		27.50		
8-15				
12: 0		5.500		
8-16				
12: 0		0.000		
8-17				
12: 0		8.200		
8-18				
12: 0		0.000		
8-19				
12: 0		0.000		
8-20				
12: 0		5.500		
8-21				
12: 0		8.200		
8-22				
12: 0		60.40		
8-23				
12: 0		59.40		
8-24				
12: 0		8.200		
8-25				
12: 0		11.00		
8-26				
12: 0		0.000		
8-27				
12: 0		0.000		

MIKE 11 SYSTEM

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DATA BASE	:	RAIN	:	IDENTIFICATION:	D-3
EDITED	:	16-MAY-1991, 17:06	:	(No. 3)	
HOURS:MIN	:	DISCHARGE, M3/SEC	:		
9-25	:		:		
12: 0	:	35.70	:		
9-26	:		:		
12: 0	:	0.000	:		
9-27	:		:		
12: 0	:	0.000	:		
9-28	:		:		
12: 0	:	0.000	:		
9-29	:		:		
12: 0	:	2.700	:		
9-30	:		:		
12: 0	:	22.00	:		
NIKE 11 SYSTEM					
					Page: 2

DATA BASE	:	RAIN	:	IDENTIFICATION:	BU-1
EDITED	:	16-MAY-1991, 17:10	:	(No. 4)	
HOURS:MIN	:	DISCHARGE, M3/SEC	:		
1988	:		:		
8-1	:		:		
12: 0	:	2.000	:		
8-2	:		:		
12: 0	:	0.000	:		
8-3	:		:		
12: 0	:	1.000	:		
8-4	:		:		
12: 0	:	6.000	:		
8-5	:		:		
12: 0	:	3.000	:		
8-6	:		:		
12: 0	:	4.000	:		
8-7	:		:		
12: 0	:	0.000	:		
8-8	:		:		
12: 0	:	0.000	:		
8-9	:		:		
12: 0	:	1.000	:		
8-10	:		:		
12: 0	:	0.000	:		
8-11	:		:		
12: 0	:	6.000	:		
8-12	:		:		
12: 0	:	34.20	:		
8-13	:		:		
12: 0	:	2.000	:		
8-14	:		:		
12: 0	:	10.10	:		
8-15	:		:		
12: 0	:	2.000	:		
8-16	:		:		
12: 0	:	0.000	:		
8-17	:		:		
12: 0	:	3.000	:		
8-18	:		:		
12: 0	:	0.000	:		
8-19	:		:		
12: 0	:	0.000	:		
8-20	:		:		
12: 0	:	2.000	:		
8-21	:		:		
12: 0	:	3.000	:		
8-22	:		:		
12: 0	:	22.10	:		
8-23	:		:		
12: 0	:	20.10	:		
8-24	:		:		
12: 0	:	3.000	:		
8-25	:		:		
12: 0	:	4.000	:		
8-26	:		:		
12: 0	:	0.000	:		
8-27	:		:		
12: 0	:	7.000	:		

BU-1
(Ab.4)

8-28	0.000
12: 0	
8-29	40.20
12: 0	
8-30	1.000
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	20.10
12: 0	
9- 4	11.10
12: 0	
9- 5	0.000
12: 0	
9- 6	42.20
12: 0	
9- 7	1.000
12: 0	
9- 8	0.000
12: 0	
9- 9	18.10
12: 0	
9-10	15.10
12: 0	
9-11	29.20
12: 0	
9-12	0.000
12: 0	
9-13	1.000
12: 0	
9-14	0.000
12: 0	
9-15	1.000
12: 0	
9-16	6.000
12: 0	
9-17	17.10
12: 0	
9-18	0.000
12: 0	
9-19	2.000
12: 0	
9-20	11.10
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

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DATA BASE :		RAIN	IDENTIFICATION:	BU-1
EDITED		: 16-MAY-1991, 17:10		(Ab.4)
HOURS:MIN:		DISCHARGE, M3/SEC		
9-25				
12: 0		13.10		
9-26				
12: 0		0.000		
9-27				
12: 0		0.000		
9-28				
12: 0		0.000		
9-29				
12: 0		1.000		
9-30				
12: 0		8.000		

MIKE 11 SYSTEM

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BU-2
(No. 5)

DATA BASE		IDENTIFICATION:	
EDITED	: 16-MAY-1991, 17:14	RAIN	BU-2
			(No. 5)
HOURS:MIN		DISCHARGE,	
		M3/SEC	
1983			
8-1			
12:0		0.200	
8-2			
12:0		0.000	
8-3			
12:0		0.100	
8-4			
12:0		0.500	
8-5			
12:0		0.200	
8-6			
12:0		0.300	
8-7			
12:0		0.000	
8-8			
12:0		0.000	
8-9			
12:0		0.100	
8-10			
12:0		0.000	
8-11			
12:0		0.500	
8-12			
12:0		2.700	
8-13			
12:0		0.200	
8-14			
12:0		0.800	
8-15			
12:0		0.200	
8-16			
12:0		0.000	
8-17			
12:0		0.200	
8-18			
12:0		0.000	
8-19			
12:0		0.000	
8-20			
12:0		0.200	
8-21			
12:0		0.200	
8-22			
12:0		1.700	
8-23			
12:0		1.600	
8-24			
12:0		0.200	
8-25			
12:0		0.300	
8-26			
12:0		0.000	
8-27			
12:0		0.000	

8-28	12:0	0.000
8-29	12:0	3.100
8-30	12:0	0.100
8-31	12:0	0.000
9-1	12:0	0.000
9-2	12:0	0.000
9-3	12:0	1.600
9-4	12:0	0.900
9-5	12:0	0.000
9-6	12:0	3.300
9-7	12:0	0.100
9-8	12:0	0.000
9-9	12:0	1.400
9-10	12:0	1.200
9-11	12:0	2.300
9-12	12:0	0.000
9-13	12:0	0.100
9-14	12:0	0.000
9-15	12:0	0.100
9-16	12:0	0.500
9-17	12:0	1.300
9-18	12:0	0.000
9-19	12:0	0.200
9-20	12:0	0.900
9-21	12:0	0.000
9-22	12:0	0.000
9-23	12:0	0.000
9-24	12:0	0.000
12:0		0.000

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DATA BASE		RAIN	IDENTIFICATION:	BU-2
EDITED		: 16-MAY-1991, 17:14		(No. 5)
HOURS:MIN		DISCHARGE, M3/SEC		
9-25		1.000		
12: 0				
9-26		0.000		
12: 0				
9-27		0.000		
12: 0				
9-28		0.000		
12: 0				
9-29		0.100		
12: 0				
9-30		0.600		
12: 0				
MIKE 11 SYSTEM				
				Page: 2

DATA BASE		RAIN	IDENTIFICATION:	BU-3
EDITED		16-MAY-1991, 17:18		(No. 6)
HOURS:MIN		DISCHARGE, M3/SEC		
1988				
8- 1	12: 0	1.900		
8- 2	12: 0	0.000		
8- 3	12: 0	0.900		
8- 4	12: 0	5.700		
8- 5	12: 0	2.800		
8- 6	12: 0	3.800		
8- 7	12: 0	0.000		
8- 8	12: 0	0.000		
8- 9	12: 0	0.900		
8-10	12: 0	0.000		
8-11	12: 0	5.700		
8-12	12: 0	32.10		
8-13	12: 0	1.900		
8-14	12: 0	9.400		
8-15	12: 0	1.900		
8-16	12: 0	0.000		
8-17	12: 0	2.800		
8-18	12: 0	0.000		
8-19	12: 0	0.000		
8-20	12: 0	1.900		
8-21	12: 0	2.800		
8-22	12: 0	20.80		
8-23	12: 0	18.90		
8-24	12: 0	2.800		
8-25	12: 0	3.800		
8-26	12: 0	0.000		
8-27	12: 0	0.000		

BU-3
(No. 6)

8-28	0.000
12: 0	
8-29	37.80
12: 0	
8-30	0.900
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	0.000
12: 0	
9- 4	18.90
12: 0	
9- 5	10.40
12: 0	
9- 6	0.000
12: 0	
9- 7	39.70
12: 0	
9- 8	0.900
12: 0	
9- 9	0.000
12: 0	
9-10	17.00
12: 0	
9-11	14.20
12: 0	
9-12	27.40
12: 0	
9-13	0.000
12: 0	
9-14	0.900
12: 0	
9-15	0.000
12: 0	
9-16	0.900
12: 0	
9-17	5.700
12: 0	
9-18	16.10
12: 0	
9-19	0.000
12: 0	
9-20	1.900
12: 0	
9-21	10.40
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	
12: 0	0.000

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DATA BASE	:	RAIN	
EDITED	:	16-MAY-1991, 17:18	
		IDENTIFICATION:	BU-3
			(No. 6)
HOURS:MIN:		DISCHARGE,	
		M3/SEC	
9-25			
12: 0		12.30	
9-26			
12: 0		0.000	
9-27			
12: 0		0.000	
9-28			
12: 0		0.000	
9-29			
12: 0		0.900	
9-30			
12: 0		7.600	

MIKE 11 SYSTEM

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BU-4
(No. 7)

292

DATA BASE		IDENTIFICATION:	
EDITED	: 16-MAY-1991, 17:23	RAIN	BU-4
		(No. 7)	
HOURS: MIN		DISCHARGE, M3/SEC	
1988			
8-1			
12: 0		4.500	
8-2			
12: 0		0.000	
8-3			
12: 0		2.300	
8-4			
12: 0		13.50	
8-5			
12: 0		6.800	
8-6			
12: 0		9.000	
8-7			
12: 0		0.000	
8-8			
12: 0		0.000	
8-9			
12: 0		2.300	
8-10			
12: 0		0.000	
8-11			
12: 0		13.50	
8-12			
12: 0		76.80	
8-13			
12: 0		4.500	
8-14			
12: 0		22.60	
8-15			
12: 0		4.500	
8-16			
12: 0		0.000	
8-17			
12: 0		6.800	
8-18			
12: 0		0.000	
8-19			
12: 0		0.000	
8-20			
12: 0		4.500	
8-21			
12: 0		6.800	
8-22			
12: 0		49.70	
8-23			
12: 0		45.20	
8-24			
12: 0		6.800	
8-25			
12: 0		9.000	
8-26			
12: 0		0.000	
8-27			
12: 0		0.000	

8-28			
12: 0		0.000	
8-29			
12: 0		90.30	
8-30			
12: 0		2.300	
8-31			
12: 0		0.000	
9-1			
12: 0		0.000	
9-2			
12: 0		0.000	
9-3			
12: 0		45.20	
9-4			
12: 0		24.80	
9-5			
12: 0		0.000	
9-6			
12: 0		94.80	
9-7			
12: 0		2.300	
9-8			
12: 0		0.000	
9-9			
12: 0		40.60	
9-10			
12: 0		33.90	
9-11			
12: 0		65.50	
9-12			
12: 0		0.000	
9-13			
12: 0		2.300	
9-14			
12: 0		0.000	
9-15			
12: 0		2.300	
9-16			
12: 0		13.50	
9-17			
12: 0		38.40	
9-18			
12: 0		0.000	
9-19			
12: 0		4.500	
9-20			
12: 0		24.80	
9-21			
12: 0		0.000	
9-22			
12: 0		0.000	
9-23			
12: 0		0.000	
9-24			
12: 0		0.000	

MIKE 11 SYSTEM

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DATA BASE	:	RAIN	:	IDENTIFICATION:	BU-4
EDITED	:	16-MAY-1991, 17:23	:		(No. 7)
HOURS:MIN	:	DISCHARGE, M3/SEC	:		
9-25	:		:		
12: 0	:	29.40	:		
9-26	:		:		
12: 0	:	0.000	:		
9-27	:		:		
12: 0	:	0.000	:		
9-28	:		:		
12: 0	:	0.000	:		
9-29	:		:		
12: 0	:	2.300	:		
9-30	:		:		
12: 0	:	18.10	:		
MIKE 11 SYSTEM					
					Page: 2

DATA BASE	:	RAIN	:	IDENTIFICATION:	BU-5
EDITED	:	16-MAY-1991, 17:26	:		(No. 8)
HOURS:MIN	:	DISCHARGE, M3/SEC	:		
1988	:		:		
8-1	:		:		
12: 0	:	0.500	:		
8-2	:		:		
12: 0	:	0.000	:		
8-3	:		:		
12: 0	:	0.200	:		
8-4	:		:		
12: 0	:	1.400	:		
8-5	:		:		
12: 0	:	0.700	:		
8-6	:		:		
12: 0	:	1.000	:		
8-7	:		:		
12: 0	:	0.000	:		
8-8	:		:		
12: 0	:	0.000	:		
8-9	:		:		
12: 0	:	0.200	:		
8-10	:		:		
12: 0	:	0.000	:		
8-11	:		:		
12: 0	:	1.400	:		
8-12	:		:		
12: 0	:	8.200	:		
8-13	:		:		
12: 0	:	0.500	:		
8-14	:		:		
12: 0	:	2.400	:		
8-15	:		:		
12: 0	:	0.500	:		
8-16	:		:		
12: 0	:	0.000	:		
8-17	:		:		
12: 0	:	0.700	:		
8-18	:		:		
12: 0	:	0.000	:		
8-19	:		:		
12: 0	:	0.000	:		
8-20	:		:		
12: 0	:	0.500	:		
8-21	:		:		
12: 0	:	0.700	:		
8-22	:		:		
12: 0	:	5.300	:		
8-23	:		:		
12: 0	:	4.800	:		
8-24	:		:		
12: 0	:	0.700	:		
8-25	:		:		
12: 0	:	1.000	:		
8-26	:		:		
12: 0	:	0.000	:		
8-27	:		:		

BU-5
(No. 8)

12: 0	0.000
8-28	
12: 0	0.000
8-29	
12: 0	9.600
8-30	
12: 0	0.200
8-31	
12: 0	0.000
9- 1	
12: 0	0.000
9- 2	
12: 0	0.000
9- 3	
12: 0	4.800
9- 4	
12: 0	2.600
9- 5	
12: 0	0.000
9- 6	
12: 0	10.10
9- 7	
12: 0	0.200
9- 8	
12: 0	0.000
9- 9	
12: 0	4.300
9-10	
12: 0	3.600
9-11	
12: 0	7.000
9-12	
12: 0	0.000
9-13	
12: 0	0.200
9-14	
12: 0	0.000
9-15	
12: 0	0.200
9-16	
12: 0	1.400
9-17	
12: 0	4.100
9-18	
12: 0	0.000
9-19	
12: 0	0.500
9-20	
12: 0	2.600
9-21	
12: 0	0.000
9-22	
12: 0	0.000
9-23	
12: 0	0.000
9-24	
12: 0	0.000

MIKE 11 SYSTEM

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DATA BASE	:	RAIN	IDENTIFICATION:	BU-5
EDITED	:	16-MAY-1991, 17:26		(No. 8)
HOURS:MIN	:	DISCHARGE, M3/SEC		
9-25	:			
12: 0	:	3.100		
9-26	:			
12: 0	:	0.000		
9-27	:			
12: 0	:	0.000		
9-28	:			
12: 0	:	0.000		
9-29	:			
12: 0	:	0.200		
9-30	:			
12: 0	:	1.900		
MIKE 11 SYSTEM				
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DATA BASE		RAIN	IDENTIFICATION:	BU-6
EDITED		: 16-MAY-1991, 17:29		(No. 9)
HOURS:MIN	DISCHARGE, M3/SEC			
1988				
8-1				
12:0	1.800			
8-2				
12:0	0.000			
8-3				
12:0	0.900			
8-4				
12:0	5.500			
8-5				
12:0	3.700			
8-6				
12:0	3.600			
8-7				
12:0	0.000			
8-8				
12:0	0.000			
8-9				
12:0	0.900			
8-10				
12:0	0.000			
8-11				
12:0	5.500			
8-12				
12:0	31.00			
8-13				
12:0	1.800			
8-14				
12:0	9.100			
8-15				
12:0	1.800			
8-16				
12:0	0.000			
8-17				
12:0	2.700			
8-18				
12:0	0.000			
8-19				
12:0	0.000			
8-20				
12:0	1.800			
8-21				
12:0	2.700			
8-22				
12:0	20.00			
8-23				
12:0	18.20			
8-24				
12:0	2.700			
8-25				
12:0	3.600			
8-26				
12:0	0.000			
8-27				
12:0	0.000			

MIKE 11 SYSTEM

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BU-6
(No. 9)

8-28	0.000
12:0	
8-29	36.40
12:0	
8-30	0.900
12:0	
8-31	0.000
12:0	
9-1	0.000
12:0	
9-2	0.000
12:0	
9-3	18.20
12:0	
9-4	10.00
12:0	
9-5	0.000
12:0	
9-6	38.20
12:0	
9-7	0.900
12:0	
9-8	0.000
12:0	
9-9	16.40
12:0	
9-10	13.70
12:0	
9-11	26.40
12:0	
9-12	0.000
12:0	
9-13	0.900
12:0	
9-14	0.000
12:0	
9-15	0.900
12:0	
9-16	5.500
12:0	
9-17	15.50
12:0	
9-18	0.000
12:0	
9-19	1.800
12:0	
9-20	10.00
12:0	
9-21	0.000
12:0	
9-22	0.000
12:0	
9-23	0.000
12:0	
9-24	0.000
12:0	

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DATA BASE	RAIN	IDENTIFICATION:	BU-6
EDITED	16-MAY-1991, 17:29		(No. 9)
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	11.80		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.900		
9-30			
12: 0	7.300		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE	RAIN	IDENTIFICATION:	BU-7
EDITED	16-MAY-1991, 17:32		(No. 10)
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	0.200		
8- 2			
12: 0	0.000		
8- 3			
12: 0	0.100		
8- 4			
12: 0	0.700		
8- 5			
12: 0	0.400		
8- 6			
12: 0	0.500		
8- 7			
12: 0	0.000		
8- 8			
12: 0	0.000		
8- 9			
12: 0	0.100		
8-10			
12: 0	0.000		
8-11			
12: 0	0.700		
8-12			
12: 0	4.100		
8-13			
12: 0	0.200		
8-14			
12: 0	1.200		
8-15			
12: 0	0.200		
8-16			
12: 0	0.000		
8-17			
12: 0	0.400		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	0.200		
8-21			
12: 0	0.400		
8-22			
12: 0	2.600		
8-23			
12: 0	2.400		
8-24			
12: 0	0.400		
8-25			
12: 0	0.500		
8-26			
12: 0	0.000		
8-27			
12: 0	0.000		

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BU-7
(No. 10)

8-28	0.000
12: 0	
8-29	4.800
12: 0	
8-30	0.100
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	2.400
12: 0	
9- 4	1.300
12: 0	
9- 5	0.000
12: 0	
9- 6	5.100
12: 0	
9- 7	0.100
12: 0	
9- 8	0.000
12: 0	
9- 9	2.200
12: 0	
9-10	1.800
12: 0	
9-11	3.500
12: 0	
9-12	0.000
12: 0	
9-13	0.100
12: 0	
9-14	0.000
12: 0	
9-15	0.100
12: 0	
9-16	0.700
12: 0	
9-17	2.000
12: 0	
9-18	0.000
12: 0	
9-19	0.200
12: 0	
9-20	1.300
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	BU-7
EDITED	16-MAY-1991, 17:32		(No. 10)
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	1.600		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.100		
9-30			
12: 0	1.000		

MIKE 11 SYSTEM

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BU-8
(No. 11)

DATA BASE	RAIN	IDENTIFICATION:	BU-8
EDITED	: 16-MAY-1991, 17:35		(No. 11)
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8-1			
12:0	0.200		
8-2			
12:0	0.000		
8-3			
12:0	0.100		
8-4			
12:0	0.600		
8-5			
12:0	0.300		
8-6			
12:0	0.400		
8-7			
12:0	0.000		
8-8			
12:0	0.000		
8-9			
12:0	0.100		
8-10			
12:0	0.000		
8-11			
12:0	0.500		
8-12			
12:0	3.300		
8-13			
12:0	0.200		
8-14			
12:0	1.000		
8-15			
12:0	0.200		
8-16			
12:0	0.000		
8-17			
12:0	0.300		
8-18			
12:0	0.000		
8-19			
12:0	0.000		
8-20			
12:0	0.200		
8-21			
12:0	0.300		
8-22			
12:0	2.100		
8-23			
12:0	1.900		
8-24			
12:0	0.300		
8-25			
12:0	0.400		
8-26			
12:0	0.000		
8-27			

MIKE 11 SYSTEM

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DATA BASE EDITED	RAIN 16-MAY-1991, 17:35	IDENTIFICATION: (No. 11)	BU-8
HOURS:MIN	DISCHARGE, M3/SEC		
9-25	1.300		
12: 0			
9-26	0.000		
12: 0			
9-27	0.000		
12: 0			
9-28	0.000		
12: 0			
9-29	0.100		
12: 0			
9-30	0.800		
12: 0			

MIKE 11 SYSTEM

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DATA BASE EDITED	RAIN 16-MAY-1991, 17:38	IDENTIFICATION: (No. 12)	T-1
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1	0.400		
12: 0			
8- 2	0.000		
12: 0			
8- 3	0.200		
12: 0			
8- 4	1.300		
12: 0			
8- 5	0.600		
12: 0			
8- 6	0.800		
12: 0			
8- 7	0.000		
12: 0			
8- 8	0.000		
12: 0			
8- 9	0.200		
12: 0			
8-10	0.000		
12: 0			
8-11	1.300		
12: 0			
8-12	7.100		
12: 0			
8-13	0.400		
12: 0			
8-14	2.100		
12: 0			
8-15	0.400		
12: 0			
8-16	0.000		
12: 0			
8-17	0.600		
12: 0			
8-18	0.000		
12: 0			
8-19	0.000		
12: 0			
8-20	0.400		
12: 0			
8-21	0.600		
12: 0			
8-22	4.600		
12: 0			
8-23	4.200		
12: 0			
8-24	0.600		
12: 0			
8-25	0.800		
12: 0			
8-26	0.000		
12: 0			
8-27	0.000		
12: 0			

T-1
(No. 12)

8-28	0.000
12: 0	
8-29	8.400
12: 0	
8-30	0.200
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	4.200
12: 0	
9- 4	2.300
12: 0	
9- 5	0.000
12: 0	
9- 6	8.800
12: 0	
9- 7	0.200
12: 0	
9- 8	0.000
12: 0	
9- 9	3.800
12: 0	
9-10	3.200
12: 0	
9-11	6.100
12: 0	
9-12	0.000
12: 0	
9-13	0.200
12: 0	
9-14	0.000
12: 0	
9-15	0.000
12: 0	
9-16	1.300
12: 0	
9-17	3.600
12: 0	
9-18	0.000
12: 0	
9-19	0.400
12: 0	
9-20	2.300
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

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DATA BASE :	RAIN	IDENTIFICATION:	T-1
EDITED :	16-MAY-1991, 17:38		(No. 12)
HOURS:MIN:	DISCHARGE, M3/SEC		
9-25			
12: 0	2.700		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.200		
9-30			
12: 0	1.700		
MIKE 11 SYSTEM		Page:	2

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T-2
(Ab. 13)

DATA BASE : RAIN		IDENTIFICATION:	T-2
EDITED : 16-MAY-1991, 17:41			(46.13)
HOURS:MIN:		DISCHARGE, M3/SEC	
1988			
8-1		0.300	
12:0			
8-2		0.000	
12:0			
8-3		0.100	
12:0			
8-4		0.900	
12:0			
8-5		0.400	
12:0			
8-6		0.600	
12:0			
8-7		0.000	
12:0			
8-8		0.000	
12:0			
8-9		0.100	
12:0			
8-10		0.000	
12:0			
8-11		0.900	
12:0			
8-12		5.000	
12:0			
8-13		0.300	
12:0			
8-14		1.500	
12:0			
8-15		0.300	
12:0			
8-16		0.000	
12:0			
8-17		0.400	
12:0			
8-18		0.000	
12:0			
8-19		0.000	
12:0			
8-20		0.300	
12:0			
8-21		0.400	
12:0			
8-22		3.200	
12:0			
8-23		2.900	
12:0			
8-24		0.400	
12:0			
8-25		0.600	
12:0			
8-26		0.000	
12:0			
8-27		0.000	
12:0			

8-28					
12:0		0.000			
8-29		5.900			
12:0					
8-30		0.100			
12:0					
8-31		0.000			
12:0					
9-1		0.000			
12:0					
9-2		0.000			
12:0					
9-3		2.900			
12:0					
9-4		1.600			
12:0					
9-5		0.000			
12:0					
9-6		6.200			
12:0					
9-7		0.100			
12:0					
9-8		0.000			
12:0					
9-9		2.700			
12:0					
9-10		2.200			
12:0					
9-11		4.300			
12:0					
9-12		0.000			
12:0					
9-13		0.100			
12:0					
9-14		0.000			
12:0					
9-15		0.100			
12:0					
9-16		0.900			
12:0					
9-17		2.500			
12:0					
9-18		0.000			
12:0					
9-19		0.300			
12:0					
9-20		1.600			
12:0					
9-21		0.000			
12:0					
9-22		0.000			
12:0					
9-23		0.000			
12:0					
9-24		0.000			
12:0					

MIKE 11 SYSTEM

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DATA BASE EDITED	RAIN : 16-MAY-1991, 17:11	IDENTIFICATION: (No. 13)	T-2
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	1.900		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.100		
9-30			
12: 0	1.200		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE EDITED	RAIN : 16-MAY-1991, 17:50	IDENTIFICATION: (No. 14)	T-3
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	0.200		
8- 2			
12: 0	0.000		
8- 3			
12: 0	0.100		
8- 4			
12: 0	0.700		
8- 5			
12: 0	0.300		
8- 6			
12: 0	0.400		
8- 7			
12: 0	0.000		
8- 8			
12: 0	0.000		
8- 9			
12: 0	0.100		
8-10			
12: 0	0.000		
8-11			
12: 0	0.700		
8-12			
12: 0	3.800		
8-13			
12: 0	0.200		
8-14			
12: 0	1.100		
8-15			
12: 0	0.200		
8-16			
12: 0	0.000		
8-17			
12: 0	0.300		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	0.200		
8-21			
12: 0	0.300		
8-22			
12: 0	2.400		
8-23			
12: 0	2.200		
8-24			
12: 0	0.300		
8-25			
12: 0	0.400		
8-26			
12: 0	0.000		
8-27			
12: 0	0.000		

8-28	0.000
12: 0	
8-29	4.500
12: 0	
8-30	0.100
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	2.200
12: 0	
9- 4	1.200
12: 0	
9- 5	0.000
12: 0	
9- 6	4.700
12: 0	
9- 7	0.100
12: 0	
9- 8	0.000
12: 0	
9- 9	2.000
12: 0	
9-10	1.700
12: 0	
9-11	3.200
12: 0	
9-12	0.000
12: 0	
9-13	0.100
12: 0	
9-14	0.000
12: 0	
9-15	0.100
12: 0	
9-16	0.700
12: 0	
9-17	1.900
12: 0	
9-18	0.000
12: 0	
9-19	0.200
12: 0	
9-20	1.200
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	
MIKE 11 SYSTEM	
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T-3
(No. 4)

DATA BASE	RAIN	IDENTIFICATION:	T-3
EDITED	: 16-MAY-1991, 17:50		(No. 4)
DISCHARGE,			
M3/SEC			
HOURS:MIN			
9-25			
12: 0	1.400		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.100		
9-30			
12: 0	0.900		
MIKE 11 SYSTEM			
Page: 2			

BA-1
(No. 15)

DATA BASE		IDENTIFICATION:	
EDITED	: 16-MAY-1991, 17:52	BA-1	(No. 15)
HOURS:MIN:		DISCHARGE, MJ/SEC	
1988			
8-1			
12:0	2.100		
8-2			
12:0	0.000		
8-3			
12:0	1.000		
8-4			
12:0	6.200		
8-5			
12:0	3.100		
8-6			
12:0	4.200		
8-7			
12:0	0.000		
8-8			
12:0	0.000		
8-9			
12:0	1.000		
8-10			
12:0	0.000		
8-11			
12:0	6.200		
8-12			
12:0	35.40		
8-13			
12:0	2.100		
8-14			
12:0	10.40		
8-15			
12:0	2.100		
8-16			
12:0	0.000		
8-17			
12:0	3.100		
8-18			
12:0	0.000		
8-19			
12:0	0.000		
8-20			
12:0	2.100		
8-21			
12:0	3.100		
8-22			
12:0	22.90		
8-23			
12:0	20.80		
8-24			
12:0	3.100		
8-25			
12:0	4.200		
8-26			
12:0	0.000		
8-27			
12:0	0.000		

8-28	0.000
12:0	
8-29	41.60
12:0	
8-30	1.000
12:0	
8-31	0.000
12:0	
9-1	0.000
12:0	
9-2	0.000
12:0	
9-3	20.80
12:0	
9-4	11.40
12:0	
9-5	0.000
12:0	
9-6	43.70
12:0	
9-7	1.000
12:0	
9-8	0.000
12:0	
9-9	18.70
12:0	
9-10	15.60
12:0	
9-11	30.20
12:0	
9-12	0.000
12:0	
9-13	1.000
12:0	
9-14	0.000
12:0	
9-15	1.000
12:0	
9-16	6.200
12:0	
9-17	17.70
12:0	
9-18	0.000
12:0	
9-19	2.100
12:0	
9-20	11.40
12:0	
9-21	0.000
12:0	
9-22	0.000
12:0	
9-23	0.000
12:0	
9-24	0.000
12:0	

MIKE 11 SYSTEM

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DATA BASE EDITED	RAIN : 16-MAY-1991, 17:52	IDENTIFICATION: (No. 15)	BA-1
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	13.50		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.000		
9-30			
12: 0	8.300		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE EDITED	RAIN : 16-MAY-1991, 17:55	IDENTIFICATION: (No. 16)	BA-2
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	1.300		
8- 2			
12: 0	0.000		
8- 3			
12: 0	0.600		
8- 4			
12: 0	3.800		
8- 5			
12: 0	1.900		
8- 6			
12: 0	2.500		
8- 7			
12: 0	0.000		
8- 8			
12: 0	0.000		
8- 9			
12: 0	0.600		
8-10			
12: 0	0.000		
8-11			
12: 0	3.800		
8-12			
12: 0	21.60		
8-13			
12: 0	1.300		
8-14			
12: 0	6.400		
8-15			
12: 0	1.300		
8-16			
12: 0	0.000		
8-17			
12: 0	1.900		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	1.300		
8-21			
12: 0	1.900		
8-22			
12: 0	14.00		
8-23			
12: 0	12.70		
8-24			
12: 0	1.900		
8-25			
12: 0	2.500		
8-26			
12: 0	0.000		
8-27			
12: 0	0.000		

BA-2
(No. 16)

8-28	0.000
12: 0	
8-29	5.500
12: 0	
8-30	0.600
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	12.70
12: 0	
9- 4	7.000
12: 0	
9- 5	0.000
12: 0	
9- 6	26.70
12: 0	
9- 7	0.600
12: 0	
9- 8	0.000
12: 0	
9- 9	11.50
12: 0	
9-10	9.600
12: 0	
9-11	18.50
12: 0	
9-12	0.000
12: 0	
9-13	0.600
12: 0	
9-14	0.000
12: 0	
9-15	0.600
12: 0	
9-16	3.800
12: 0	
9-17	10.80
12: 0	
9-18	0.000
12: 0	
9-19	1.300
12: 0	
9-20	7.000
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

Page: 1

DATA BASE	: RAIN	IDENTIFICATION:	BA-2
EDITED	: 16-MAY-1991, 17:55		(No. 16)
DISCHARGE,			
N3/SEC			
HOURS:MIN			
9-25			
12: 0	8.300		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	0.600		
9-30			
12: 0	5.100		

MIKE 11 SYSTEM

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BA-3
(No. 17)

DATA BASE		RAIN	IDENTIFICATION:
EDITED		16-MAY-1991, 17:59	BA-3
		(No. 17)	
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8-1			
12:0	2.000		
8-2			
12:0	0.000		
8-3			
12:0	1.000		
8-4			
12:0	6.100		
8-5			
12:0	3.100		
8-6			
12:0	4.100		
8-7			
12:0	0.000		
8-8			
12:0	0.000		
8-9			
12:0	1.000		
8-10			
12:0	0.000		
8-11			
12:0	6.100		
8-12			
12:0	34.60		
8-13			
12:0	2.000		
8-14			
12:0	10.20		
8-15			
12:0	2.000		
8-16			
12:0	0.000		
8-17			
12:0	3.100		
8-18			
12:0	0.000		
8-19			
12:0	0.000		
8-20			
12:0	2.000		
8-21			
12:0	3.100		
8-22			
12:0	22.40		
8-23			
12:0	20.30		
8-24			
12:0	3.100		
8-25			
12:0	4.100		
8-26			
12:0	0.000		
8-27			
12:0	0.000		

8-28	0.000
12:0	
8-29	10.70
12:0	
8-30	1.000
12:0	
8-31	0.000
12:0	
9-1	0.000
12:0	
9-2	0.000
12:0	
9-3	20.30
12:0	
9-4	11.20
12:0	
9-5	0.000
12:0	
9-6	42.70
12:0	
9-7	1.000
12:0	
9-8	0.000
12:0	
9-9	18.30
12:0	
9-10	15.30
12:0	
9-11	29.50
12:0	
9-12	0.000
12:0	
9-13	1.000
12:0	
9-14	0.000
12:0	
9-15	1.000
12:0	
9-16	6.100
12:0	
9-17	17.30
12:0	
9-18	0.000
12:0	
9-19	2.000
12:0	
9-20	11.20
12:0	
9-21	0.000
12:0	
9-22	0.000
12:0	
9-23	0.000
12:0	
9-24	0.000
12:0	

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	BA-3
EDITED	: 16-MAY-1991, 17:59		(No. 7)
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	13.20		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.000		
9-30			
12: 0	8.100		
MIKE 11 SYSTEM			
			Page: 2

DATA BASE	RAIN	IDENTIFICATION:	BA-4
EDITED	: 16-MAY-1991, 18:01		(No. 18)
HOURS:MIN	DISCHARGE, M3/SEC		
1988			
8- 1			
12: 0	2.000		
8- 2			
12: 0	0.000		
8- 3			
12: 0	1.000		
8- 4			
12: 0	6.000		
8- 5			
12: 0	3.000		
8- 6			
12: 0	4.000		
8- 7			
12: 0	0.000		
8- 8			
12: 0	0.000		
8- 9			
12: 0	1.000		
8-10			
12: 0	0.000		
8-11			
12: 0	6.000		
8-12			
12: 0	34.00		
8-13			
12: 0	2.000		
8-14			
12: 0	10.00		
8-15			
12: 0	2.000		
8-16			
12: 0	0.000		
8-17			
12: 0	3.000		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	2.000		
8-21			
12: 0	3.000		
8-22			
12: 0	22.00		
8-23			
12: 0	20.00		
8-24			
12: 0	3.000		
8-25			
12: 0	4.000		
8-26			
12: 0	0.000		
8-27			
12: 0	0.000		

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BA-4
(No. 18)

8-28	0.000
12: 0	
8-29	39.90
12: 0	
8-30	1.000
12: 0	
8-31	0.000
12: 0	
9- 1	0.000
12: 0	
9- 2	0.000
12: 0	
9- 3	20.00
12: 0	
9- 4	11.00
12: 0	
9- 5	0.000
12: 0	
9- 6	41.90
12: 0	
9- 7	1.000
12: 0	
9- 8	0.000
12: 0	
9- 9	18.00
12: 0	
9-10	15.00
12: 0	
9-11	29.00
12: 0	
9-12	0.000
12: 0	
9-13	1.000
12: 0	
9-14	0.000
12: 0	
9-15	1.000
12: 0	
9-16	6.000
12: 0	
9-17	17.00
12: 0	
9-18	0.000
12: 0	
9-19	2.000
12: 0	
9-20	11.00
12: 0	
9-21	0.000
12: 0	
9-22	0.000
12: 0	
9-23	0.000
12: 0	
9-24	0.000
12: 0	

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	BA-4
EDITED	16-MAY-1991, 18:04		(No. 18)
HOURS:MIN:	DISCHARGE, M3/SEC		
9-25			
12: 0	13.00		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.000		
9-30			
12: 0	8.000		

MIKE 11 SYSTEM

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BA-5
(No. 19)

DATA BASE		RAIN	IDENTIFICATION:	BA-5
EDITED		16-MAY-1991, 18:07		(No. 19)
HOURS:MIN		DISCHARGE, M3/SEC		
1988				
8-1		3.800		
12:0				
8-2		0.000		
12:0				
8-3		1.900		
12:0				
8-4		11.50		
12:0				
8-5		5.800		
12:0				
8-6		7.700		
12:0				
8-7		0.000		
12:0				
8-8		0.000		
12:0				
8-9		1.900		
12:0				
8-10		0.000		
12:0				
8-11		11.50		
12:0				
8-12		65.40		
12:0				
8-13		3.800		
12:0				
8-14		19.20		
12:0				
8-15		3.800		
12:0				
8-16		0.000		
12:0				
8-17		5.800		
12:0				
8-18		0.000		
12:0				
8-19		0.000		
12:0				
8-20		3.800		
12:0				
8-21		5.800		
12:0				
8-22		42.30		
12:0				
8-23		38.50		
12:0				
8-24		5.800		
12:0				
8-25		7.700		
12:0				
8-26		0.000		
12:0				
8-27		0.000		
12:0				

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	BA-5
EDITED	: 16-MAY-1991, 18:07		(No. 19)
HOURS:MIN	DISCHARGE, M3/SEC		
9-25			
12: 0	25.00		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.900		
9-30			
12: 0	15.40		

MIKE 11 SYSTEM

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DATA BASE	RAIN	IDENTIFICATION:	L-1
EDITED	: 16-MAY-1991, 18:09		(No. 20)
HOURS:MIN	DISCHARGE, M3/SLC		
1988			
8- 1			
12: 0	2.700		
8- 2			
12: 0	0.000		
8- 3			
12: 0	1.300		
8- 4			
12: 0	8.000		
8- 5			
12: 0	4.000		
8- 6			
12: 0	5.300		
8- 7			
12: 0	0.000		
8- 8			
12: 0	0.000		
8- 9			
12: 0	1.300		
8-10			
12: 0	0.000		
8-11			
12: 0	8.000		
8-12			
12: 0	45.10		
8-13			
12: 0	2.700		
8-14			
12: 0	13.30		
8-15			
12: 0	2.700		
8-16			
12: 0	0.000		
8-17			
12: 0	4.000		
8-18			
12: 0	0.000		
8-19			
12: 0	0.000		
8-20			
12: 0	2.700		
8-21			
12: 0	4.000		
8-22			
12: 0	29.20		
8-23			
12: 0	26.50		
8-24			
12: 0	4.000		
8-25			
12: 0	5.300		
8-26			
12: 0	0.000		
8-27			

L-1
(No. 20)

8-28	0.000	
12: 0		
8-29	53.00	
12: 0		
8-30	1.300	
12: 0		
8-31	0.000	
9- 1	0.000	
12: 0		
9- 2	0.000	
12: 0		
9- 3	26.50	
12: 0		
9- 4	14.60	
12: 0		
9- 5	0.000	
12: 0		
9- 6	55.70	
12: 0		
9- 7	1.300	
12: 0		
9- 8	0.000	
12: 0		
9- 9	23.90	
12: 0		
9-10	19.90	
12: 0		
9-11	38.40	
12: 0		
9-12	0.000	
12: 0		
9-13	1.300	
12: 0		
9-14	0.000	
12: 0		
9-15	1.300	
12: 0		
9-16	8.000	
12: 0		
9-17	22.50	
12: 0		
9-18	0.000	
12: 0		
9-19	2.700	
12: 0		
9-20	14.60	
12: 0		
9-21	0.000	
12: 0		
9-22	0.000	
12: 0		
9-23	0.000	
12: 0		
9-24	0.000	
12: 0		
MIKE 11 SYSTEM		Page: 1

DATA BASE :	RAIN	IDENTIFICATION:	L-1
EDITED :	16-MAY-1991, 18:09		(No. 20)
HOURS:MIN:	DISCHARGE,		
	M3/SEC		
9-25			
12: 0	17.20		
9-26			
12: 0	0.000		
9-27			
12: 0	0.000		
9-28			
12: 0	0.000		
9-29			
12: 0	1.300		
9-30			
12: 0	10.60		
MIKE 11 SYSTEM		Page: 2	

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L-2
(No. 21)

DATA BASE		RAIN	IDENTIFICATION:		L-2
EDITED		: 16-MAY-1991, 18:12		(No. 21)	
HOURS:MIN		DISCHARGE, M3/SEC			
1988					
8-1					
12:0		0.500			
8-2					
12:0		0.000			
8-3					
12:0		0.200			
8-4					
12:0		1.500			
8-5					
12:0		0.700			
8-6					
12:0		1.000			
8-7					
12:0		0.000			
8-8					
12:0		0.000			
8-9					
12:0		0.200			
8-10					
12:0		0.000			
8-11					
12:0		1.500			
8-12					
12:0		8.400			
8-13					
12:0		0.500			
8-14					
12:0		2.500			
8-15					
12:0		0.500			
8-16					
12:0		0.000			
8-17					
12:0		0.700			
8-18					
12:0		0.000			
8-19					
12:0		0.000			
8-20					
12:0		0.500			
8-21					
12:0		0.700			
8-22					
12:0		5.500			
8-23					
12:0		5.000			
8-24					
12:0		0.700			
8-25					
12:0		1.000			
8-26					
12:0		0.000			
8-27					

8-28	12:0	0.000
8-29	12:0	9.900
8-30	12:0	0.200
8-31	12:0	0.000
9-1	12:0	0.000
9-2	12:0	0.000
9-3	12:0	5.000
9-4	12:0	2.700
9-5	12:0	0.000
9-6	12:0	10.40
9-7	12:0	0.200
9-8	12:0	0.000
9-9	12:0	4.500
9-10	12:0	3.700
9-11	12:0	7.200
9-12	12:0	0.000
9-13	12:0	0.200
9-14	12:0	0.000
9-15	12:0	0.200
9-16	12:0	1.500
9-17	12:0	4.200
9-18	12:0	0.000
9-19	12:0	0.500
9-20	12:0	2.700
9-21	12:0	0.000
9-22	12:0	0.000
9-23	12:0	0.000
9-24	12:0	0.000

MIKE 11 SYSTEM

DATA BASE	:	RAIN	IDENTIFICATION:	L-2
EDITED	:	16-MAY-1991, 18:12		(46.21)
HOURS:MIN	:	DISCHARGE, M3/SEC		
9-25	:			
12: 0	:	3.200		
9-26	:			
12: 0	:	0.000		
9-27	:			
12: 0	:	0.000		
9-28	:			
12: 0	:	0.000		
9-29	:			
12: 0	:	0.200		
9-30	:			
12: 0	:	2.000		
MIKE 11 SYSTEM				
				Page: 2

DATA BASE	:	RAIN	IDENTIFICATION:	L-3
EDITED	:	16-MAY-1991, 18:15		(46.22)
HOURS:MIN	:	DISCHARGE, M3/SEC		
1988	:			
8- 1	:			
12: 0	:	0.300		
8- 2	:			
12: 0	:	0.000		
8- 3	:			
12: 0	:	0.200		
8- 4	:			
12: 0	:	1.000		
8- 5	:			
12: 0	:	0.500		
8- 6	:			
12: 0	:	0.700		
8- 7	:			
12: 0	:	0.000		
8- 8	:			
12: 0	:	0.000		
8- 9	:			
12: 0	:	0.200		
8-10	:			
12: 0	:	0.000		
8-11	:			
12: 0	:	1.000		
8-12	:			
12: 0	:	5.800		
8-13	:			
12: 0	:	0.300		
8-14	:			
12: 0	:	1.700		
9-15	:			
12: 0	:	0.300		
8-16	:			
12: 0	:	0.000		
8-17	:			
12: 0	:	0.500		
8-18	:			
12: 0	:	0.000		
8-19	:			
12: 0	:	0.000		
8-20	:			
12: 0	:	0.300		
8-21	:			
12: 0	:	0.500		
8-22	:			
12: 0	:	3.800		
8-23	:			
12: 0	:	3.400		
8-24	:			
12: 0	:	0.500		
8-25	:			
12: 0	:	0.700		
8-26	:			
12: 0	:	0.000		
8-27	:			

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L-3
(No. 22)

12: 0	0.000
8-28	
12: 0	0.000
8-29	
12: 0	6.800
8-30	
12: 0	0.200
8-31	
12: 0	0.000
9- 1	
12: 0	0.000
9- 2	
12: 0	0.000
9- 3	
12: 0	3.400
9- 4	
12: 0	1.900
9- 5	
12: 0	0.000
9- 6	
12: 0	7.200
9- 7	
12: 0	0.200
9- 8	
12: 0	0.000
9- 9	
12: 0	3.100
9-10	
12: 0	2.600
9-11	
12: 0	4.900
9-12	
12: 0	0.000
9-13	
12: 0	0.200
9-14	
12: 0	0.000
9-15	
12: 0	0.200
9-16	
12: 0	1.000
9-17	
12: 0	2.900
9-18	
12: 0	0.000
9-19	
12: 0	0.300
9-20	
12: 0	1.900
9-21	
12: 0	0.000
9-22	
12: 0	0.000
9-23	
12: 0	0.000
9-24	
12: 0	0.000

MIKE 11 SYSTEM

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DATA BASE	:	RAIN	
EDITED	:	16-MAY-1991, 18:15	
			L-3
			(No. 22)
HOURS:MIN		DISCHARGE, M3/SEC	
9-25			
12: 0		2.200	
9-26			
12: 0		0.000	
9-27			
12: 0		0.000	
9-28			
12: 0		0.000	
9-29			
12: 0		0.200	
9-30			
12: 0		1.400	

MIKE 11 SYSTEM

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5) Manning's Roughness Coefficient of Without Project

MAN I

G.5 SUPPLEMENTARY DATA - GENERAL OVERVIEW		
1	INITIAL CONDITIONS	0 Number of locations
2	WIND FACTORS	0 "
3	RESISTANCE NUMBER	10 "
4	FLOW DESCRIPTION	0 "
5	DEFAULT VALUES	1 page
6	WATER LOSS PARAMETERS	0 locations
7	TEXT	0 lines
Select: <Enter> or (1-7)		
<Esc> return to Menu G		<F1> Help Menu

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G.5.3 RESISTANCE NUMBERS			
Global resistance number		33.333	Manning's roughness coefficient $n=0.030$
Branches where local resistance numbers are applicable:			
River name	River chainage	Res. number	
1 DHALESWARI	19.700	40.000	Manning's roughness coefficient $n=0.025$
2 DHALESWARI	25.600	40.000	
3 DHALESWARI	30.800	40.000	
4 DHALESWARI	37.200	40.000	
5 DHALESWARI	46.200	40.000	
6 DHALESWARI	47.200	40.000	
7 DHALESWARI	51.700	40.000	
8 DHALESWARI	54.500	40.000	
9 DHALESWARI	56.300	40.000	
10 DHALESWARI	60.200	40.000	

Entr: (E/I/F/D/T/B/L/ESC) Edit Insert Find Delete Top Bottom Line <esc>=ret

G.5.5 DEFAULT VALUES			
DELTA	0.50	THETA	1.00
DELHS	0.0100000	EPS	0.00010
DELH	0.100	DH_NODE	0.010
SPILEFC	0.00	STORFC	0.0
ALPHA	1.00		
NR_ITER	1	ITER1_MAX	10
MAXITER_STEADY	100		
WIND STRESS	0	0 : Without	1 : With
RESISTANCE NUMBER	1	0 : Chezy	1 : Manning(M) 2 : Manning(n)
NODE COMPATIBILITY	0	0 : Water level	1 : Energy
STORING FOR PRINT / PLOT	0	0 : No storing	1 : Storing
Computed velocities	1		
Velocities in weirs	0		

Entr: (E/I/F/D/T/B/L/ESC) Edit Insert Find Delete Top Bottom Line <esc>=ret

6). Results of Calibration of Without Project

H2 CALCULATION - HYDRODYNAMIC MODEL

	FileNames
CATCHMENT AND RIVER DATA :	RIVER1.RDF
NAM - RESULT FILE :	.NRF
TIME VARYING BOUNDARIES :	BOUND1.BSF
SUPPLEMENTARY DATA :	MAN1.SSF
RESULT FILE :	RES-B7.RRF
Initial conditions (1: auto, 2: SSF fil, 3: hotstart) :	1

Simulation start (default: boundary start) :	1988	8	1	12	0
Simulation time (hours) <	1440.00	:	1440.00		
Timestep (minutes) :	60.00	:	60.00		
No. timesteps between saving of results :	24	:	24		
		:	/		

Do you want the calculation to start ? (Y/N)

GRID POINT RESULT SUMMARY

WATER LEVEL

Location	Minimum meter	Maximum meter	Location	Minimum meter	Maximum meter
DHALESWARI	0.000	9.59	BURIGANGA	8.500	9.59
DHALESWARI	0.500	9.59	BURIGANGA	10.000	9.59
DHALESWARI	0.800	9.59	BURIGANGA	11.500	9.59
DHALESWARI	0.800	9.59	BURIGANGA	12.450	9.59
DHALESWARI	0.750	9.59	BURIGANGA	13.800	9.59
DHALESWARI	1.720	9.58	BURIGANGA	15.150	9.58
DHALESWARI	6.680	9.58	BURIGANGA	16.500	9.58
DHALESWARI	8.640	9.58	BURIGANGA	17.500	9.58
DHALESWARI	10.600	9.58	TURAG	0.000	9.58
DHALESWARI	12.275	9.58	TURAG	1.880	9.58
DHALESWARI	13.950	9.58	TURAG	3.760	9.58
DHALESWARI	15.625	9.58	TURAG	5.640	9.58
DHALESWARI	17.300	9.57	TURAG	7.520	9.58
DHALESWARI	18.500	9.57	TURAG	9.400	9.58
DHALESWARI	19.700	9.57	TURAG	10.750	9.58
DHALESWARI	21.867	9.57	TURAG	12.100	9.58
DHALESWARI	23.633	9.57	TURAG	13.000	9.58
DHALESWARI	25.600	9.06	TURAG	15.000	9.22
DHALESWARI	27.333	9.22	TURAG	15.000	9.22
DHALESWARI	29.067	9.22	TURAG	15.100	9.22
DHALESWARI	30.800	9.22	TURAG	16.200	9.21
DHALESWARI	32.100	9.22	TURAG	17.300	9.21
DHALESWARI	34.000	9.22	TURAG	18.700	9.21
DHALESWARI	35.600	9.22	TURAG	20.000	9.21
DHALESWARI	37.200	9.22	TURAG	21.250	9.21
DHALESWARI	38.900	9.22	TURAG	22.500	9.21
DHALESWARI	40.600	9.22	TURAG	24.050	9.21
DHALESWARI	42.300	9.22	TURAG	25.600	9.21
DHALESWARI	44.000	9.22	TURAG	27.000	9.21
DHALESWARI	45.700	9.22	TURAG	27.000	9.21
DHALESWARI	46.200	9.22	TURAG	27.300	9.21
DHALESWARI	47.200	9.22	TURAG	28.350	9.21
DHALESWARI	48.700	9.22	TURAG	29.400	9.21
DHALESWARI	50.200	9.22	TURAG	30.550	9.21
DHALESWARI	51.700	9.22	TURAG	31.700	9.21
DHALESWARI	53.100	9.22	TURAG	32.200	9.21
DHALESWARI	54.500	9.22	TURAG	33.967	9.21
DHALESWARI	56.300	9.22	TURAG	35.733	9.21
DHALESWARI	57.700	9.22	TURAG	37.500	9.21
DHALESWARI	58.950	9.22	LAKHYA	0.000	9.21
DHALESWARI	60.200	9.22	LAKHYA	1.150	9.21
BANSI	0.000	9.22	LAKHYA	2.300	9.21
BANSI	2.000	9.22	LAKHYA	3.600	9.21
BANSI	3.867	9.22	LAKHYA	3.600	9.21
BANSI	5.733	9.22	LAKHYA	5.033	9.21
BANSI	7.600	9.22	LAKHYA	6.467	9.21
BANSI	9.000	9.22	LAKHYA	7.900	9.21
BURIGANGA	0.000	9.22	LAKHYA	9.633	9.21
BURIGANGA	1.100	9.22	LAKHYA	11.367	9.21
BURIGANGA	2.950	9.22	LAKHYA	13.100	9.21
BURIGANGA	4.800	9.22	LAKHYA	15.050	9.21
BURIGANGA	5.900	9.22	LAKHYA	17.000	9.21
BURIGANGA	7.000	9.22	LAKHYA	18.950	9.21
			LAKHYA	20.900	9.21
			LAKHYA	22.400	9.21

Location	Minimum meter	Maximum meter				
LAKHYA	23.900					
BALU	1.15	6.01				11671.205
BALU	3.09	7.66				11673.789
BALU	5.09	7.66				11671.111
BALU	3.09	7.66				11671.324
BALU	3.09	7.65				11674.153
BALU	5.08	7.65				11671.621
BALU	3.08	7.65				11671.612
BALU	5.06	7.62				11671.583
BALU	5.01	7.36				11673.277
BALU	1.96	7.17				11673.203
BALU	1.93	7.13				11675.913
BALU	1.88	7.37				11676.392
BALU	1.83	7.32				11677.027
BALU	1.83	7.29				11677.233
BALU	4.83	7.25				11707.913
BALU	4.83	7.25				11710.971
BALU	1.79	7.19				17108.008
BALU	22.000	7.14				17100.318
BALU	23.500	7.06				17397.887
BALU	21.867	6.99				17401.760
BALU	25.233	6.93				17103.902
BALU	27.600	6.88				17102.266
BALU	28.700	6.83				17102.510
TONGI	0.000	8.09				17405.396
TONGI	1.300	8.04				17401.209
TONGI	3.000	8.01				20763.618
TONGI	1.700	7.98				20762.773
TONGI	6.400	7.95				2653.393
TONGI	8.000	7.88				2673.963
TONGI	8.300	7.87				2673.761
TONGI	9.823	7.80				2671.293
TONGI	11.350	7.75				2667.801
TONGI	5.11	7.72				2673.160
TONGI	5.10	7.69				2685.343
TONGI	15.000	7.65				2686.113
KARNATALI	0.000	9.59				2686.933
KARNATALI	1.600	9.11				2687.120
KARNATALI	3.200	9.24				2688.951
KARNATALI	4.800	9.05				2689.001
KARNATALI	6.400	8.84				2689.075
KARNATALI	8.233	8.36				2689.255
KARNATALI	10.067	8.26				2689.300
KARNATALI	11.900	7.95				2689.166

DISCHARGE,

Location	Minimum m3/sec	Maximum m3/sec
DHALESWARI	0.250	2656.020
DHALESWARI	0.650	2663.982
DHALESWARI	1.780	1037.536
DHALESWARI	3.740	1021.138
DHALESWARI	5.700	1010.276
DHALESWARI	7.660	1010.276
DHALESWARI	9.620	1010.276
DHALESWARI	11.438	1010.276
DHALESWARI	13.113	1010.276
DHALESWARI	14.788	1010.276
DHALESWARI	16.163	1010.276
DHALESWARI	17.900	1010.682

Location	Minimum m3/sec	Maximum m3/sec	Location	Minimum m3/sec	Maximum m3/sec
BURIGANGA	15.925	603.261	BALU	11.850	737.011
BURIGANGA	17.063	603.261	BALU	10.050	719.523
TURAG	0.940	341.177	BALU	17.150	719.523
TURAG	2.920	343.507	BALU	18.350	773.913
TURAG	1.700	343.504	BALU	19.750	771.152
TURAG	6.580	353.318	BALU	21.250	768.171
TURAG	8.160	356.992	BALU	22.750	763.333
TURAG	10.075	358.355	BALU	21.183	811.627
TURAG	11.425	359.737	BALU	23.550	813.143
TURAG	12.550	360.713	BALU	25.917	811.787
TURAG	14.000	361.063	BALU	28.150	810.687
TURAG	15.650	362.112	BALU	0.630	629.220
TURAG	16.750	363.031	BALU	2.150	629.229
TURAG	18.000	363.698	TONGI	3.850	629.212
TURAG	19.350	364.523	TONGI	5.850	629.243
TURAG	20.625	365.239	TONGI	7.500	629.272
TURAG	21.875	365.509	TONGI	8.150	629.116
TURAG	23.275	365.837	TONGI	9.053	631.611
TURAG	24.825	366.716	TONGI	10.588	631.590
TURAG	26.300	368.406	TONGI	12.113	631.809
TURAG	27.150	605.261	TONGI	13.538	633.336
TURAG	27.825	605.261	TONGI	15.200	631.877
TURAG	28.875	605.261	TONGI	0.800	1908.763
TURAG	29.975	605.261	TONGI	2.100	1906.193
TURAG	31.125	605.261	TONGI	4.000	1906.218
TURAG	31.950	605.261	TONGI	5.600	1906.277
TURAG	33.083	605.261	TONGI	7.317	1906.333
TURAG	34.850	605.261	TONGI	9.130	1906.136
TURAG	36.617	605.261	TONGI	10.983	1906.158
LAKHYA	0.575	1523.286	KARNATAI		
LAKHYA	1.725	1523.879	KARNATAI		
LAKHYA	2.950	1521.118	KARNATAI		
LAKHYA	4.317	1750.580	KARNATAI		
LAKHYA	5.750	1751.300	KARNATAI		
LAKHYA	7.183	1752.077	KARNATAI		
LAKHYA	8.767	1753.594	KARNATAI		
LAKHYA	10.500	1754.661	KARNATAI		
LAKHYA	12.233	1755.818	KARNATAI		
LAKHYA	14.075	1770.387	KARNATAI		
LAKHYA	16.025	1771.619	KARNATAI		
LAKHYA	17.975	1773.305	KARNATAI		
LAKHYA	19.925	1774.087	KARNATAI		
LAKHYA	21.650	1775.877	KARNATAI		
LAKHYA	23.150	1776.312	KARNATAI		
BALU	30.177	87.555			
BALU	2.300	89.391			
BALU	3.450	91.556			
BALU	4.950	94.385			
BALU	6.450	95.993			
BALU	7.700	79.163			
BALU	9.125	79.463			
BALU	10.975	79.463			
BALU	12.400	79.163			
BALU	13.550	79.463			

DATA FILE : RIVER1.RDF		BOUNDARY FILE: BOUND1.BSF	
RESULT FILE : RES-B7.RRF		CALCULATED : 11-JUN-1991, 10:15	
HOURS:MIN	DHALESWARI	DHALESWARI	DHALESWARI
	19.700	51.500	60.200
		BANSI	BANSI
		0.000	7.600
WATER LEVEL, meter			
1988			
8-1	1.97	4.82	5.40
12:0			
8-2	6.50	4.85	6.80
12:0			
8-3	6.60	4.87	6.83
12:0			
8-4	6.62	4.83	6.86
12:0			
8-5	6.58	4.79	6.85
12:0			
8-6	6.53	4.56	6.82
12:0			
8-7	6.50	4.54	6.78
12:0			
8-8	6.16	4.48	6.74
12:0			
8-9	6.13	4.47	6.71
12:0			
8-10	6.12	4.57	6.70
12:0			
8-11	6.12	4.51	6.70
12:0			
8-12	6.14	4.53	6.73
12:0			
8-13	6.42	4.56	6.86
12:0			
8-14	6.43	4.57	6.87
12:0			
8-15	6.45	4.63	6.89
12:0			
8-16	6.48	4.66	6.91
12:0			
8-17	6.50	4.74	6.94
12:0			
8-18	6.55	4.83	6.98
12:0			
8-19	6.59	4.86	7.02
12:0			
8-20	6.64	4.90	7.06
12:0			
8-21	6.67	4.89	7.10
12:0			
8-22	6.71	4.92	7.16
12:0			
8-23	6.74	4.93	7.19
12:0			
8-24	6.77	4.97	7.21
12:0			
8-25	6.81	5.04	7.25
12:0			
8-26	6.88	5.07	7.33
12:0			

12:0	7.00	5.24	5.20	7.45	7.25
8-28					
12:0	7.25	5.44	5.10	7.70	7.18
8-29					
12:0	7.53	5.63	5.57	8.05	7.78
8-30					
12:0	7.79	5.79	5.72	8.33	8.04
8-31					
12:0	8.07	5.92	5.84	8.64	8.33
9-1					
12:0	8.66	6.03	5.91	9.19	8.90
9-2					
12:0	9.09	6.11	5.95	9.61	9.34
9-3					
12:0	9.30	6.16	5.97	9.82	9.55
9-4					
12:0	9.34	6.15	5.95	9.85	9.58
9-5					
12:0	9.20	6.13	5.94	9.71	9.45
9-6					
12:0	9.10	6.10	5.92	9.62	9.35
9-7					
12:0	8.95	6.01	5.87	9.44	9.19
9-8					
12:0	8.78	5.98	5.83	9.26	9.02
9-9					
12:0	8.63	5.92	5.78	9.11	8.87
9-10					
12:0	8.58	5.93	5.80	9.06	8.82
9-11					
12:0	8.48	5.89	5.76	8.97	8.72
9-12					
12:0	8.34	5.85	5.74	8.82	8.58
9-13					
12:0	8.25	5.82	5.82	8.73	8.49
9-14					
12:0	8.17	5.77	5.67	8.63	8.40
9-15					
12:0	8.05	5.66	5.56	8.50	8.28
9-16					
12:0	7.93	5.60	5.51	8.40	8.17
9-17					
12:0	7.84	5.48	5.39	8.30	8.08
9-18					
12:0	7.71	5.18	5.09	8.17	7.95
9-19					
12:0	7.55	5.08	5.00	8.02	7.80
9-20					
12:0	7.44	4.99	4.91	7.90	7.69
9-21					
12:0	7.29	4.96	4.89	7.75	7.54
9-22					
12:0	7.12	4.81	4.75	7.58	7.38
9-23					
12:0	6.98	4.74	4.69	7.44	7.24
9-24					
12:0	6.87	4.63	4.58	7.32	7.13

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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:15
HOURS:MIN:	DHALESWARI	DHALESWARI	DHALESWARI
	19.700	31.500	60.200
			BANSI
			7.600
9-23			
12:0	6.76	1.51	4.49
9-26			
12:0	6.66	1.51	4.17
9-27			
12:0	6.57	1.50	4.46
9-28			
12:0	6.50	1.40	4.36
9-29			
12:0	6.41	4.29	4.25
9-30			
12:0	6.33	4.18	4.14

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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:15
HOURS:MIN:	BURIGANGA	BURIGANGA	BURIGANGA
	7.000	16.500	27.300
			LAKHYA
			0.000
1938			
8-1			
12:0	4.86	4.84	5.08
8-2			
12:0	5.12	5.09	5.50
8-3			
12:0	5.16	5.12	5.56
8-4			
12:0	5.14	5.10	5.58
8-5			
12:0	5.08	5.03	5.54
8-6			
12:0	4.92	4.87	5.46
8-7			
12:0	4.84	4.80	5.38
8-8			
12:0	4.78	4.73	5.32
8-9			
12:0	4.78	4.74	5.29
8-10			
12:0	4.83	4.79	5.30
8-11			
12:0	4.80	4.75	5.31
8-12			
12:0	4.83	4.78	5.40
8-13			
12:0	4.84	4.80	5.37
8-14			
12:0	4.87	4.83	5.37
8-15			
12:0	4.92	4.88	5.39
8-16			
12:0	4.95	4.91	5.40
8-17			
12:0	5.00	4.96	5.44
8-18			
12:0	5.08	5.04	5.49
8-19			
12:0	5.12	5.08	5.54
8-20			
12:0	5.17	5.13	5.58
8-21			
12:0	5.17	5.13	5.60
8-22			
12:0	5.22	5.17	5.68
8-23			
12:0	5.25	5.19	5.73
8-24			
12:0	5.27	5.22	5.79
8-25			
12:0	5.33	5.29	5.74
8-26			
12:0	5.38	5.33	5.76
8-27			
12:0	5.38	5.33	5.79

DATA FILE : RIVER1.RDF		BOUNDARY FILE: BOUND1.BSF				
RESULT FILE : RES-B7.RRF		CALCULATED : 11-JUN-1991, 10:45				
HOURS:MIN		BURIGANGA	BURIGANGA	TURAG	LAKHYA	BALU
		7.000	16.500	27.300	2.300	0.000
9-25	12: 0	4.95	4.89	5.57	5.22	5.59
9-26	12: 0	4.88	4.82	5.47	5.13	5.16
9-27	12: 0	4.83	4.78	5.38	5.07	5.36
9-28	12: 0	4.73	4.68	5.29	4.96	5.27
9-29	12: 0	4.61	4.56	5.18	4.84	5.16
9-30	12: 0	4.49	4.44	5.10	4.74	5.09
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12:0	5.51	5.19	5.90	5.78	5.89
8-28	5.77	5.72	6.11	5.98	6.09
8-29	6.01	5.97	6.15	6.25	6.47
8-30	6.25	6.18	6.67	6.38	6.62
12:0	6.16	6.39	6.90	6.52	6.81
9-1	6.79	6.70	7.21	6.65	7.05
9-2	7.10	6.99	7.59	6.75	7.31
12:0	7.30	7.17	7.83	6.87	7.58
9-3	7.35	7.21	7.90	6.88	7.65
12:0	7.26	7.12	7.81	6.85	7.58
9-4	7.21	7.06	7.79	6.90	7.66
12:0	7.08	6.94	7.64	6.79	7.48
9-5	6.92	6.80	7.46	6.71	7.29
12:0	6.81	6.69	7.36	6.69	7.26
9-6	6.77	6.66	7.30	6.69	7.22
12:0	6.72	6.60	7.26	6.68	7.22
9-7	6.61	6.50	7.12	6.58	7.05
12:0	6.57	6.48	7.04	6.59	6.96
9-8	6.46	6.36	6.95	6.48	6.88
12:0	6.32	6.22	6.82	6.38	6.77
9-9	6.22	6.13	6.71	6.31	6.68
12:0	6.10	6.01	6.62	6.23	6.62
9-10	5.85	5.75	6.42	5.98	6.40
12:0	5.68	5.59	6.25	5.83	6.22
9-11	5.57	5.48	6.16	5.75	6.16
12:0	5.47	5.39	6.05	5.67	6.04
9-12	5.30	5.23	5.90	5.52	5.89
12:0	5.18	5.12	5.76	5.43	5.75
9-13	5.06	4.99	5.64	5.30	5.63

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DATA FILE : RIVER1.RDF		BOUNDARY FILE : BOUND1.BSF	
RESULT FILE : RES-B7.RRF		CALCULATED : 11-JUN-1991, 10:15	
HOURS-MIN:		BALI	TONGI
		27.600	8.000
WATER LEVEL, meter			
1989	8-1	3.28	5.23
12:0	8-2		
12:0	8-3	3.35	5.35
12:0	8-4	3.39	5.62
12:0	8-5	3.37	5.66
12:0	8-6	3.30	5.63
12:0	8-7	3.15	5.51
12:0	8-8	3.06	5.15
12:0	8-9	3.00	5.39
12:0	8-10	3.01	5.36
12:0	8-11	3.05	5.36
12:0	8-12	3.03	5.38
12:0	8-13	3.11	5.51
12:0	8-14	3.08	5.47
12:0	8-15	3.12	5.45
12:0	8-16	3.16	5.16
12:0	8-17	3.19	5.47
12:0	8-18	3.21	5.51
12:0	8-19	3.31	5.56
12:0	8-20	3.35	5.60
12:0	8-21	3.39	5.64
12:0	8-22	3.39	5.67
12:0	8-23	3.46	5.77
12:0	8-24	3.49	5.81
12:0	8-25	3.18	5.81
12:0	8-26	3.54	5.82
12:0	8-27	3.57	5.85

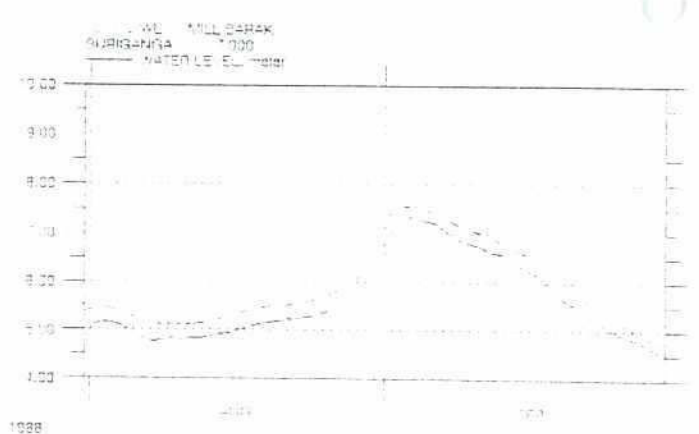
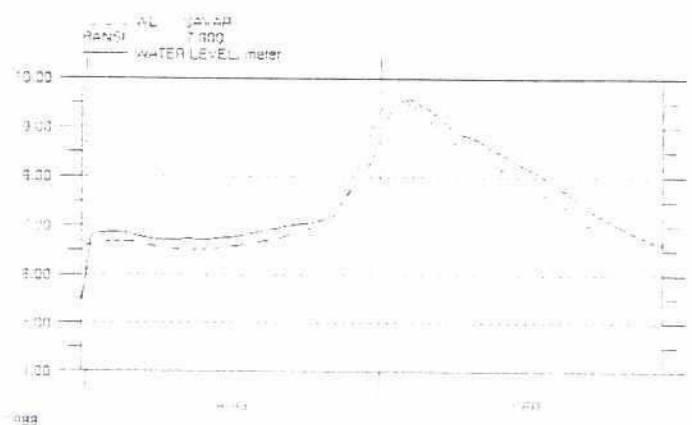
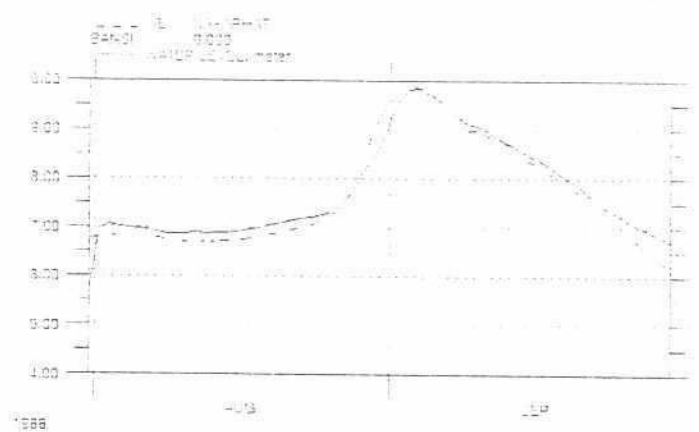
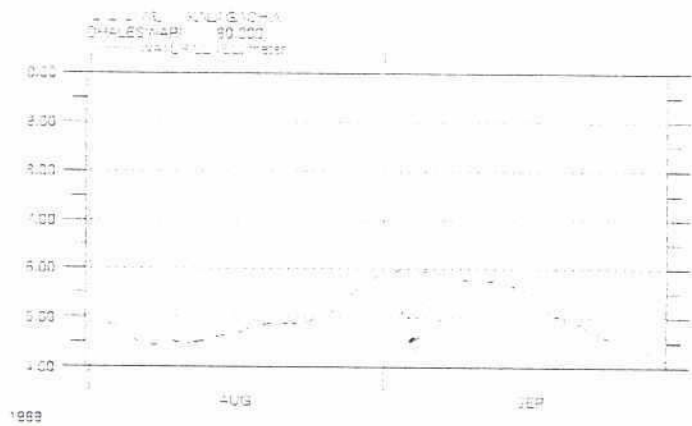
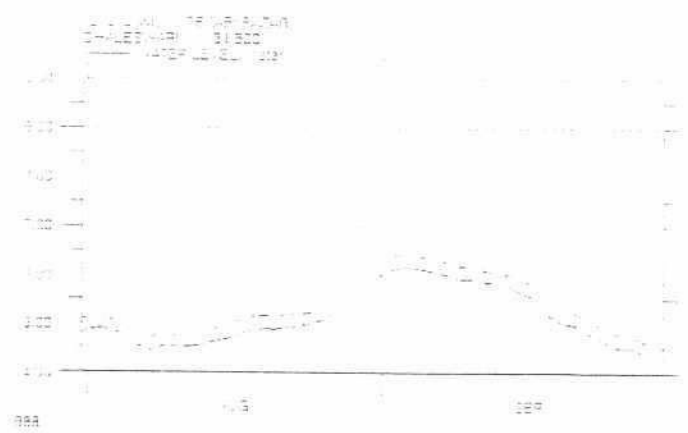
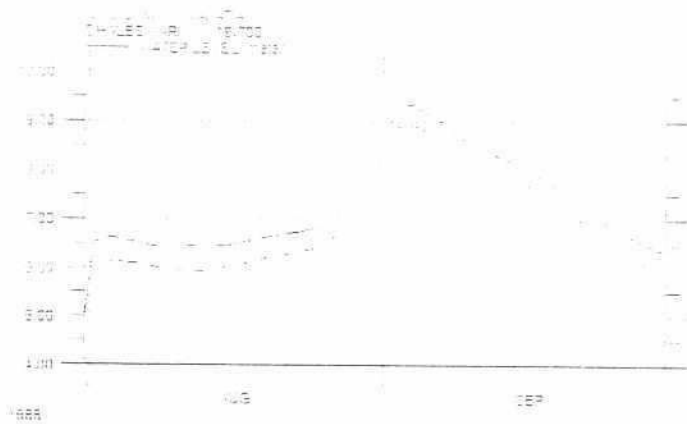
8-28	5.91	6.15
12:0		
8-29	6.20	6.52
12:0		
8-30	6.32	6.72
12:0		
8-31	6.16	6.94
9-1	6.39	7.22
9-2	6.71	7.52
9-3	6.83	7.80
9-4	6.85	7.88
9-5	6.81	7.80
9-6	6.88	7.83
9-7	6.75	7.67
9-8	6.66	7.18
9-9	6.64	7.11
9-10	6.64	7.36
9-11	6.63	7.35
9-12	6.53	7.18
9-13	6.53	7.08
9-14	6.42	7.00
9-15	6.32	6.88
9-16	6.25	6.78
9-17	6.17	6.70
9-18	5.91	6.50
9-19	5.76	6.33
9-20	5.69	6.25
9-21	5.60	6.11
9-22	5.45	5.99
9-23	5.36	5.81
9-24	5.23	5.72

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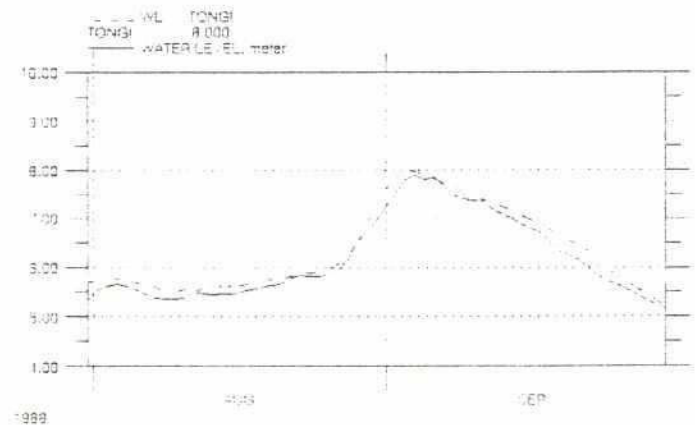
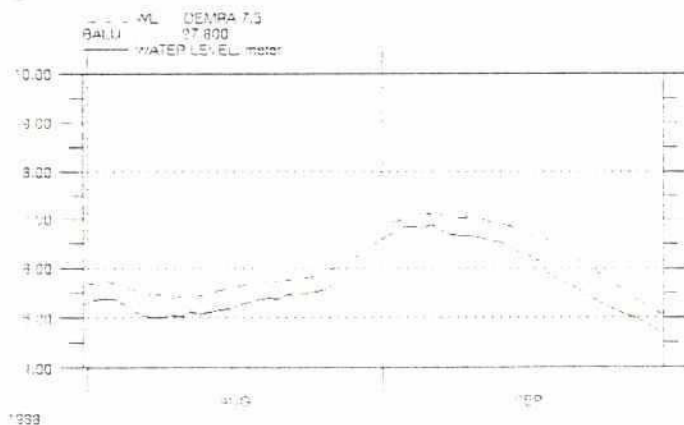
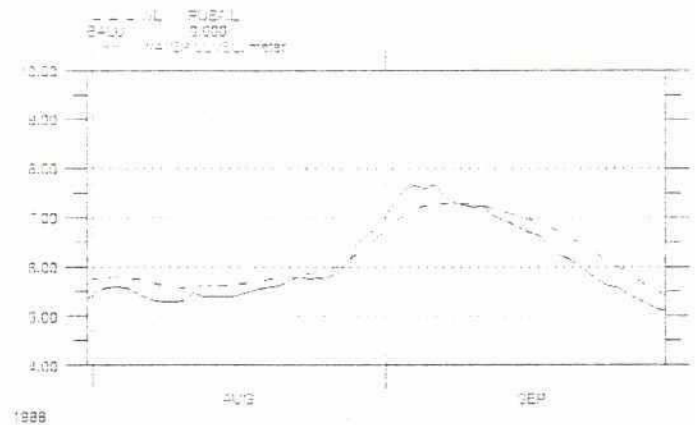
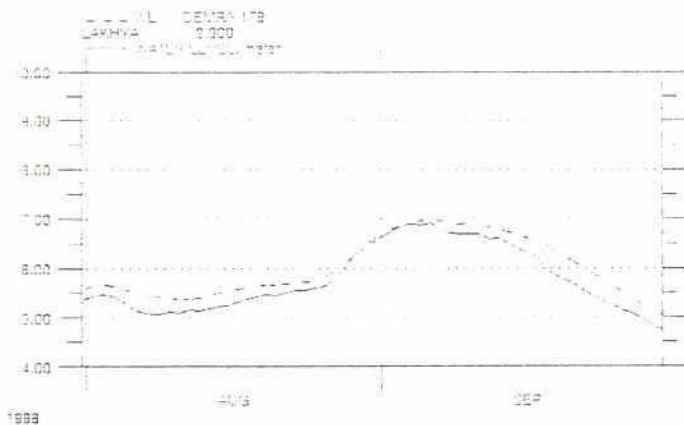
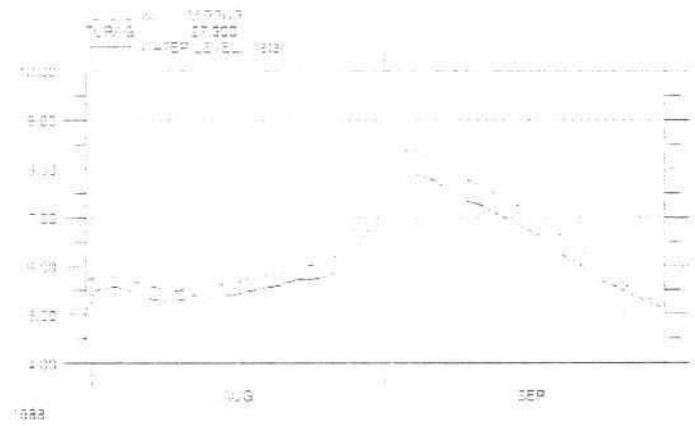
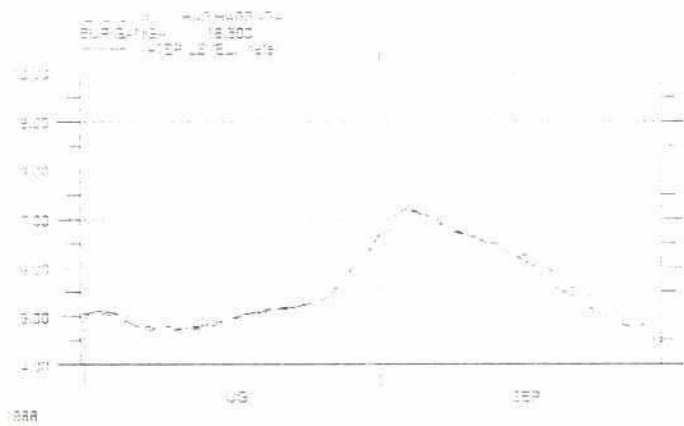
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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:42
HOURS:MIN:	BALU	TONGI	
	27.600	8.000	
9-25			
12: 0	5.16	5.66	
9-26			
12: 0	5.07	5.54	
9-27			
12: 0	5.01	5.44	
9-28			
12: 0	4.90	5.35	
9-29			
12: 0	4.78	5.24	
9-30			
12: 0	4.68	5.17	
NIKE 11 SYSTEM			
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DATA FILE : RIVER1.RDF	BOUNDARY FILE: BOUND1.BSF		
RESULT FILE : RES-R7.RRF	CALCULATED : 11-JUN-1991, 10:13		
DHALESWARI DHALESWARI DHALESWARI	BANSI BURIGANGA		
31.600 55.400 59.575	1.000 7.750		
HOURS:MIN:	DISCHARGE, m3/sec		
1988			
8-1			
12:0	1010	1616	3525
8-2			
12:0	1806	5649	7629
8-3			
12:0	1956	5853	7873
8-4			
12:0	1919	6006	8093
8-5			
12:0	1907	6017	8081
8-6			
12:0	1885	6101	8171
8-7			
12:0	1832	5883	7842
8-8			
12:0	1716	5779	7719
8-9			
12:0	1655	5591	7186
8-10			
12:0	1616	5474	7330
8-11			
12:0	1626	5611	7572
8-12			
12:0	1660	5777	7811
8-13			
12:0	1619	5610	7552
8-14			
12:0	1618	5567	7527
8-15			
12:0	1632	5550	7494
8-16			
12:0	1700	5605	7561
8-17			
12:0	1742	5648	7630
8-18			
12:0	1813	5665	7646
8-19			
12:0	1913	5838	7855
8-20			
12:0	5023	5961	7994
8-21			
12:0	5134	6166	8237
8-22			
12:0	5227	6334	8501
8-23			
12:0	5286	6482	8693
8-24			
12:0	5356	6429	8553
8-25			
12:0	5434	6454	8568
8-26			
12:0	5625	6668	881
8-27			

8-28	6541	7426	9611	1634	1134
12:0					
8-29	7338	8610	11181	1897	1430
12:0					
8-30	8191	9534	12112	2133	1546
12:0					
8-31	9204	10667	13362	2347	1697
12:0					
9-1	11712	12203	16072	2505	1923
12:0					
9-2	13635	15606	18630	2611	2247
12:0					
9-3	14507	16978	20267	2656	2539
12:0					
9-4	14675	17405	20763	2629	2689
12:0					
9-5	14023	16781	20084	2586	2625
12:0					
9-6	13584	16388	19869	2311	2637
12:0					
9-7	12938	15638	18939	2420	2616
12:0					
9-8	12232	14683	17816	2317	2318
12:0					
9-9	11613	14037	17259	2224	2266
12:0					
9-10	11386	13625	16787	2223	2188
12:0					
9-11	10966	13339	16577	2173	2206
12:0					
9-12	10412	12582	15610	2111	2048
12:0					
9-13	9982	11849	14763	2095	1877
12:0					
9-14	9738	11780	14721	2017	1888
12:0					
9-15	9316	11293	14177	1945	1829
12:0					
9-16	8916	10771	13586	1909	1747
12:0					
9-17	8623	10530	13375	1851	1737
12:0					
9-18	8334	10307	13086	1797	1689
12:0					
9-19	7836	9533	12123	1710	1556
12:0					
9-20	7493	9152	11726	1677	1524
12:0					
9-21	7004	8525	10944	1617	1426
12:0					
9-22	6531	8056	10414	1547	1353
12:0					
9-23	6119	7485	9734	1474	1215
12:0					
9-24	5852	7170	9344	1401	1185
12:0					

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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:45
HOURS:MIN:	DHALESWARI	DHALESWARI	BANSI BURIGANGA
	31.500	35.400	1.000
9-25		6881	9040
12:0	3378		1330
9-26		6153	8472
12:0	3313		1259
9-27		6063	8020
12:0	5063		1193
9-28		5983	7855
12:0	4907		1120
9-29		5767	7576
12:0	4705		1059
9-30		5612	7100
12:0	4556		1003
MIKE 11 SYSTEM			
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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:45
HOURS:MIN:	TURAG	TURAG	LAKHYA
	0.910	18.000	0.575
1982		DISCHARGE, m3/sec	
8-1		115.0	1830
12:0		373.5	1909
8-2		113.0	1835
12:0		215.5	1921
8-3		419.1	1862
12:0		267.0	2034
8-4		429.2	1810
12:0		283.9	2072
8-5		420.9	1814
12:0		291.3	2049
8-6		416.0	1782
12:0		289.3	2042
8-7		415.8	1735
12:0		278.2	1952
8-8		401.2	1729
12:0		267.4	1933
8-9		390.7	1724
12:0		254.9	1909
8-10		385.2	1698
12:0		244.1	1856
8-11		389.5	1703
12:0		251.3	1924
8-12		388.0	1698
12:0		268.0	2067
8-13		391.5	1714
12:0		285.4	1947
8-14		394.6	1735
12:0		261.7	1963
8-15		399.9	1766
12:0		263.2	1953
8-16		409.5	1787
12:0		261.5	1960
8-17		409.5	1808
12:0		262.7	1991
8-18		411.4	1835
12:0		263.0	1994
8-19		419.4	1851
12:0		266.8	2022
8-20		421.3	1856
12:0		269.4	2041
8-21		424.8	1856
12:0		275.7	2068
8-22		437.8	1862
12:0		289.8	2173
8-23		454.0	1878
12:0		320.7	2213
8-24		479.8	1888
12:0		323.9	2129
8-25		479.6	1901
12:0		310.3	2124
8-26		481.6	1917
12:0		308.1	2153
8-27		512.6	1995
12:0		300.5	2167

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DATA FILE	RIVER1.RDF	BOUNDARY FILE	BOUND1.BSF
RESULT FILE	RES-87.RRF	CALCULATED	11-JUN-1991, 10:45
HOURS:MIN	TURAG	LAKHYA	BALU
9-25	0.910	18.000	0.950
12:0	441.8	306.0	1819
9-26	417.6	290.8	1766
12:0	392.0	260.0	1698
9-27	376.5	217.8	1636
12:0	356.8	239.1	1579
9-28	341.2	229.6	1523
12:0			

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3-28	589.9	315.7	2077	2253	49.02
12:0	602.1	371.6	2176	2603	52.12
8-29	853.8	486.7	2271	2605	58.70
12:0	1003	547.4	2356	2717	63.02
8-31	1133	552.3	2129	2882	67.71
12:0	1234	577.9	2182	3054	72.94
9-1	1335	663.1	2521	3293	77.77
12:0	1380	729.6	2534	3356	82.08
9-5	1293	732.7	2569	3298	85.61
12:0	1239	723.4	2574	3481	85.20
9-6	1156	717.8	2564	3288	87.55
12:0	1023	649.0	2540	3159	86.61
9-7	1022	621.2	2534	3206	86.00
12:0	1006	612.3	2540	3175	87.16
9-11	951.3	606.9	2517	3222	84.99
12:0	914.0	591.2	2495	3032	83.09
9-12	866.9	527.5	2171	2920	82.12
12:0	856.6	532.6	2443	2920	81.19
9-14	803.0	515.9	2402	2861	78.54
12:0	733.0	477.1	2362	2808	76.32
9-15	667.6	450.3	2323	2823	74.25
12:0	644.0	445.7	2290	2731	72.27
9-19	641.7	417.7	2200	2577	67.49
12:0	626.0	413.9	2150	2537	65.15
9-21	597.6	407.2	2083	2418	62.64
12:0	553.1	383.4	2013	2335	58.62
9-22	493.6	313.7	1958	2211	54.50
12:0	481.5	320.9	1883	2157	50.45

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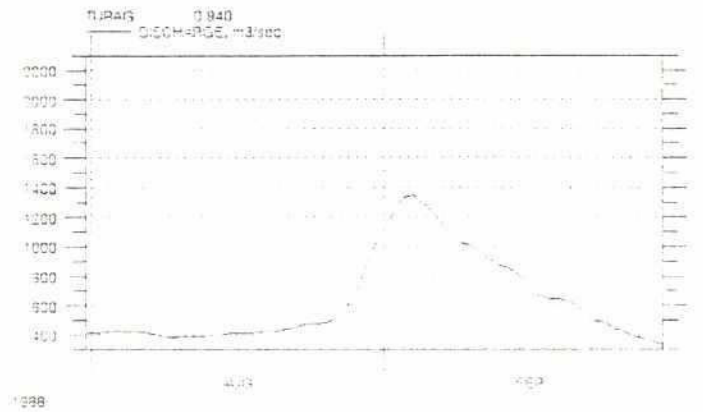
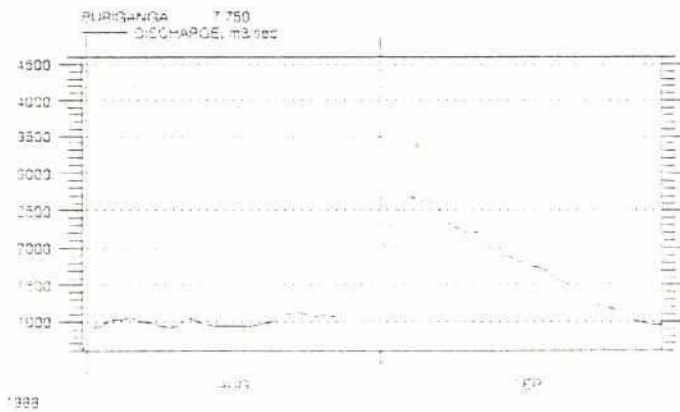
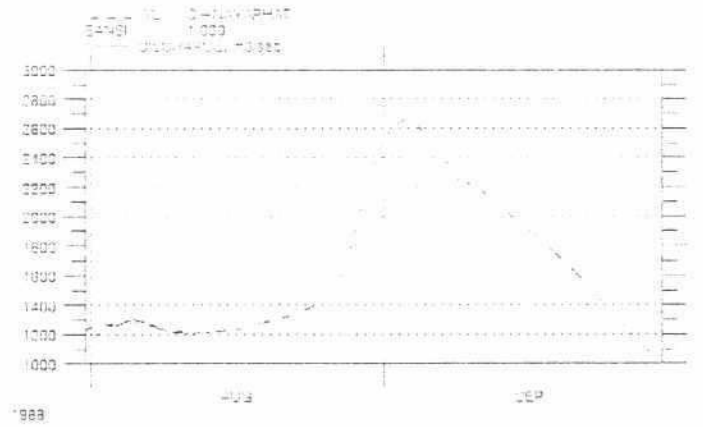
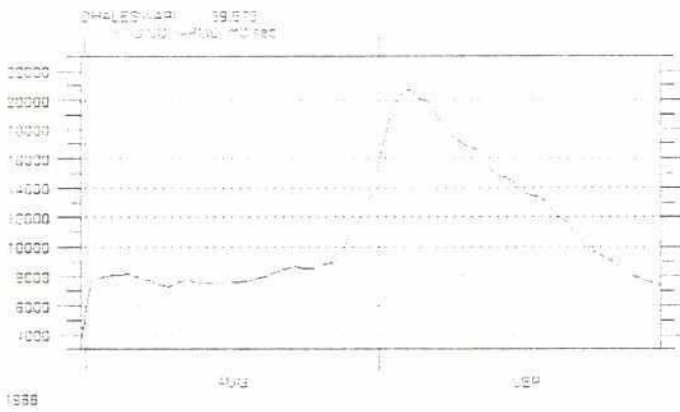
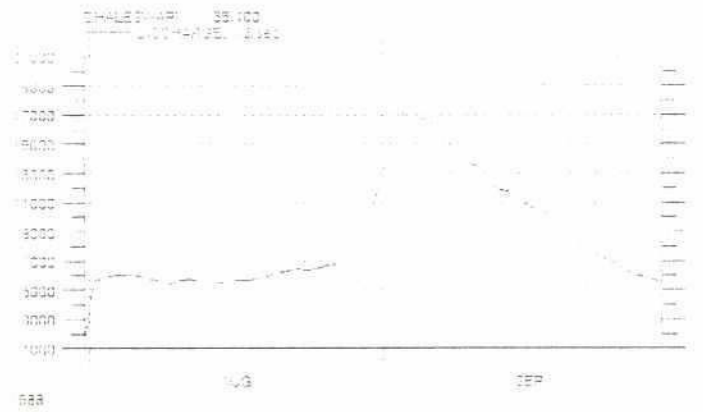
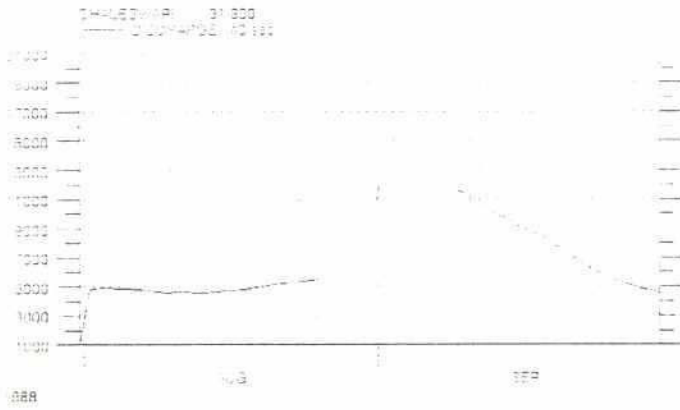
DATA FILE : RIVER1.RDF		BOUNDARY FILE: BOUND1.BSF	
RESULT FILE : RES-B7.RRF		CALCULATED : 11-JUN-1991, 10:45	
HOURS:MIN:		BALU	TONGI KARNATALI
		18.350	8.150 3.600
		DISCHARGE, m3/sec	
1988			
8-1		79.46	11.16 231.7
12:0			
8-2		133.9	131.2 713.1
12:0			
8-3		176.5	138.7 711.4
12:0			
8-4		205.0	141.5 707.2
12:0			
8-5		211.6	148.1 700.6
12:0			
8-6		223.7	151.4 700.7
12:0			
8-7		205.8	155.2 697.2
12:0			
8-8		196.1	151.3 687.7
12:0			
8-9		184.4	143.5 677.7
12:0			
8-10		173.9	141.4 673.3
12:0			
8-11		196.0	138.1 672.6
12:0			
8-12		260.3	111.0 671.0
12:0			
8-13		215.1	112.1 663.7
12:0			
8-14		202.1	133.4 669.2
12:0			
8-15		181.9	139.0 673.6
12:0			
8-16		176.5	142.0 680.5
12:0			
8-17		180.2	139.2 685.2
12:0			
8-18		170.1	140.4 691.9
12:0			
8-19		175.9	142.7 705.9
12:0			
8-20		183.6	144.4 718.7
12:0			
8-21		199.4	148.2 731.7
12:0			
8-22		243.8	133.8 740.6
12:0			
8-23		263.4	142.2 714.6
12:0			
8-24		228.1	161.3 755.8
12:0			
8-25		215.7	161.0 769.3
12:0			
8-26		210.4	169.6 794.1
12:0			
8-27			

12:0	196.3	171.9	832.1
8-28			
12:0	209.6	192.7	919.7
8-29			
12:0	333.0	198.1	1021
8-30			
12:0	346.3	292.8	1131
8-31			
12:0	388.2	338.0	1260
9-1			
12:0	478.3	451.8	1573
9-2			
12:0	592.1	532.6	1811
9-3			
12:0	723.1	601.7	1901
9-4			
12:0	760.0	629.4	1906
9-5			
12:0	718.0	612.1	1920
9-6			
12:0	773.9	542.0	1755
9-7			
12:0	684.1	540.3	1676
9-8			
12:0	605.5	500.1	1599
9-9			
12:0	605.0	441.5	1519
9-10			
12:0	579.3	421.7	1495
9-11			
12:0	596.9	392.6	1437
9-12			
12:0	514.0	393.6	1376
9-13			
12:0	452.4	363.9	1333
9-14			
12:0	433.7	351.3	1299
9-15			
12:0	435.0	331.4	1218
9-16			
12:0	414.4	302.4	1203
9-17			
12:0	423.4	269.6	1166
9-18			
12:0	391.7	274.1	1132
9-19			
12:0	353.2	260.6	1076
9-20			
12:0	356.9	241.0	1029
9-21			
12:0	320.6	236.2	965.6
9-22			
12:0	300.4	219.9	903.1
9-23			
12:0	270.1	198.8	855.2
9-24			
12:0	256.0	189.1	819.9

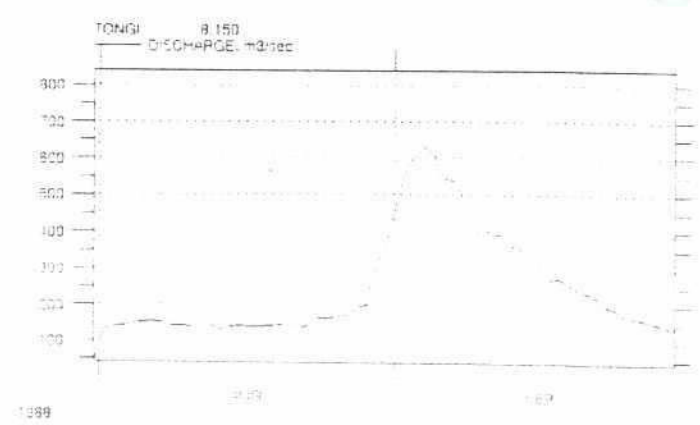
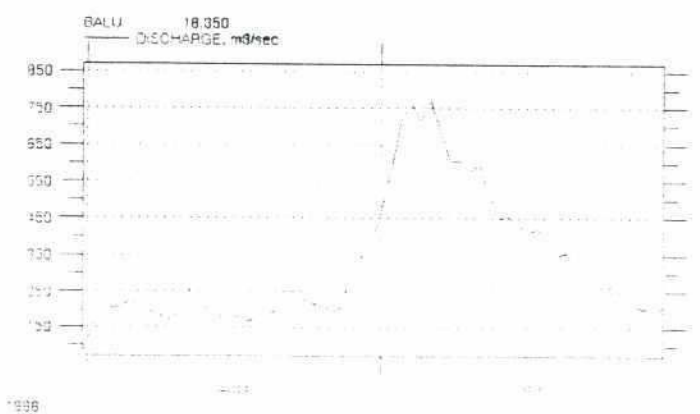
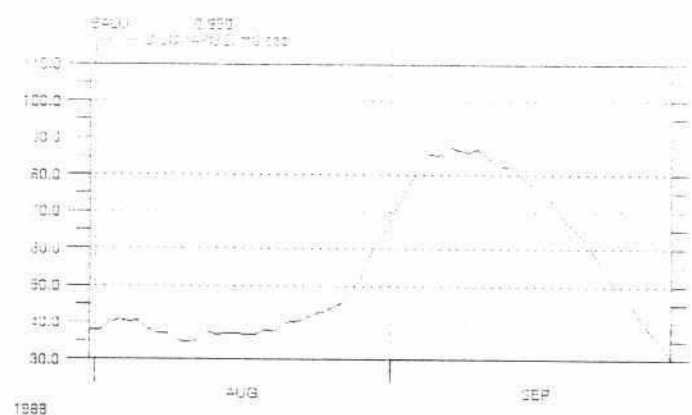
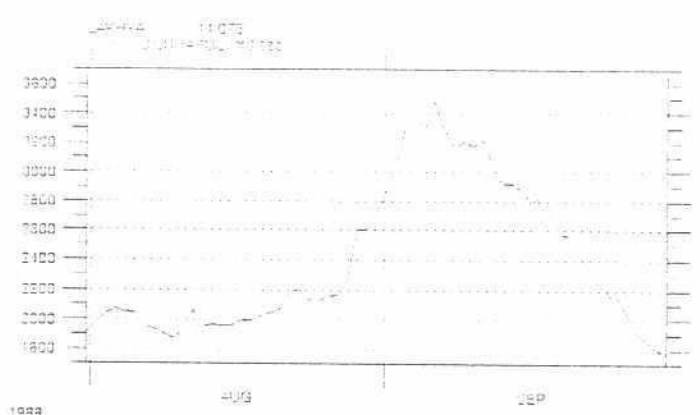
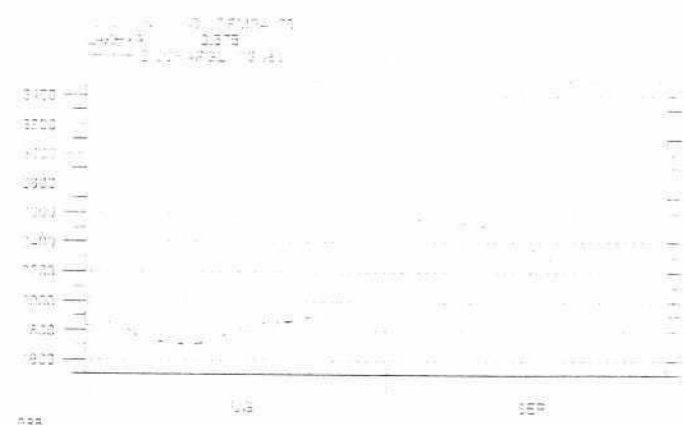
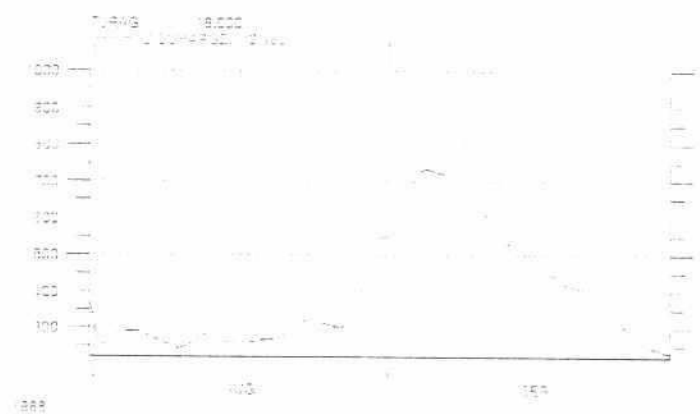
NIKE 11 SYSTEM

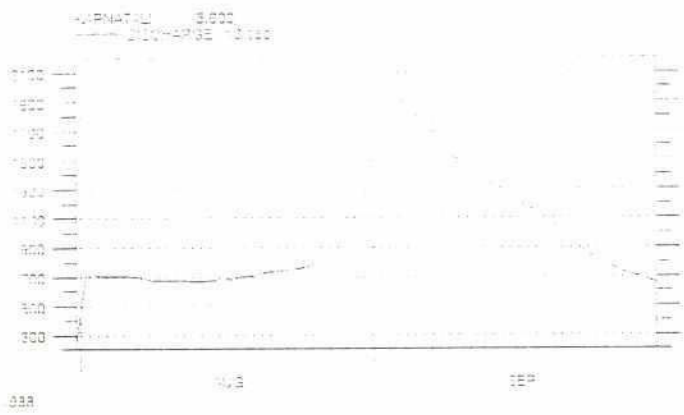
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DATA FILE :	RIVER1.RDF	BOUNDARY FILE:	BOUND1.BSF
RESULT FILE :	RES-B7.RRF	CALCULATED :	11-JUN-1991, 10:15
HOURS:MIN:	BALU	TONGI	KARNATAKI
	12.350	8.150	5.000
9-25			
12:0	271.9	168.9	782.2
9-26			
12:0	235.2	168.3	749.7
9-27			
12:0	209.8	159.3	721.5
9-28			
12:0	201.9	153.3	701.1
9-29			
12:0	199.6	146.7	675.8
9-30			
12:0	205.6	136.2	656.6
MIKE 11 SYSTEM			
			Page: 6



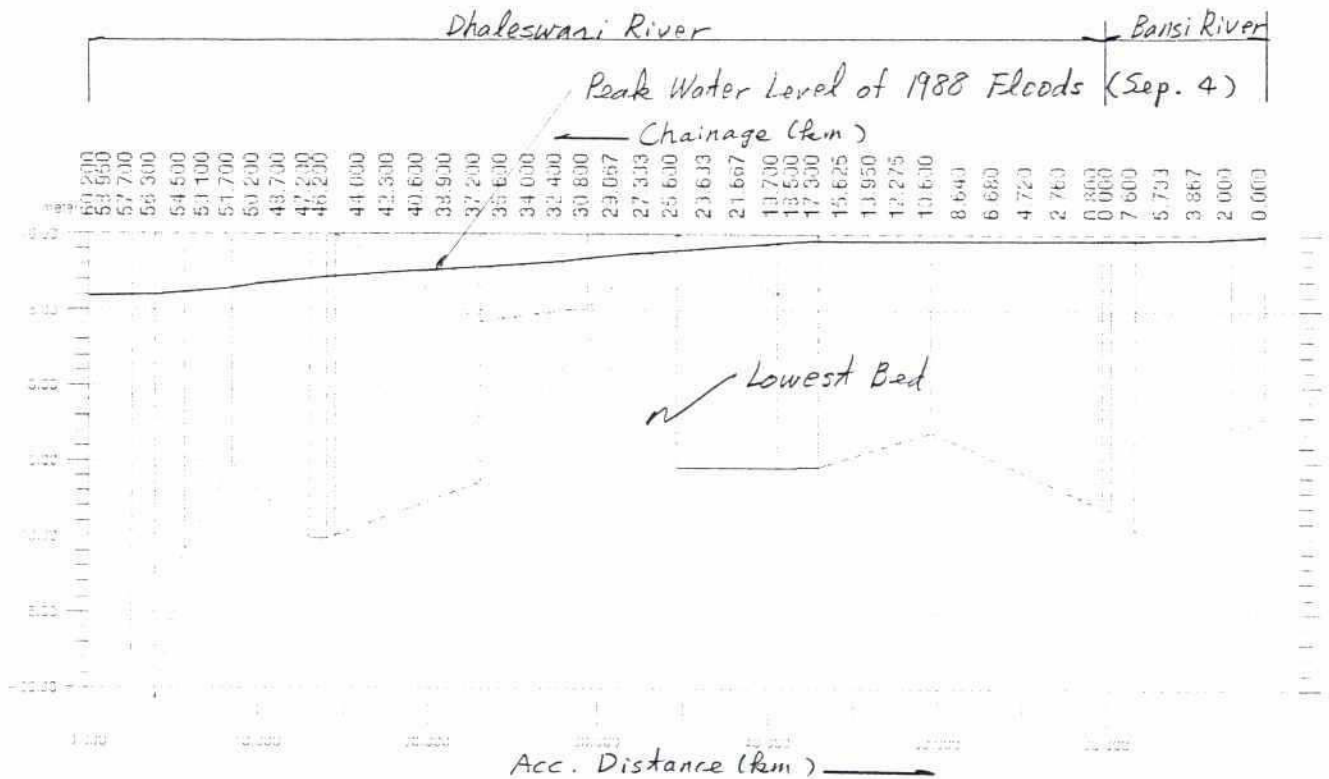
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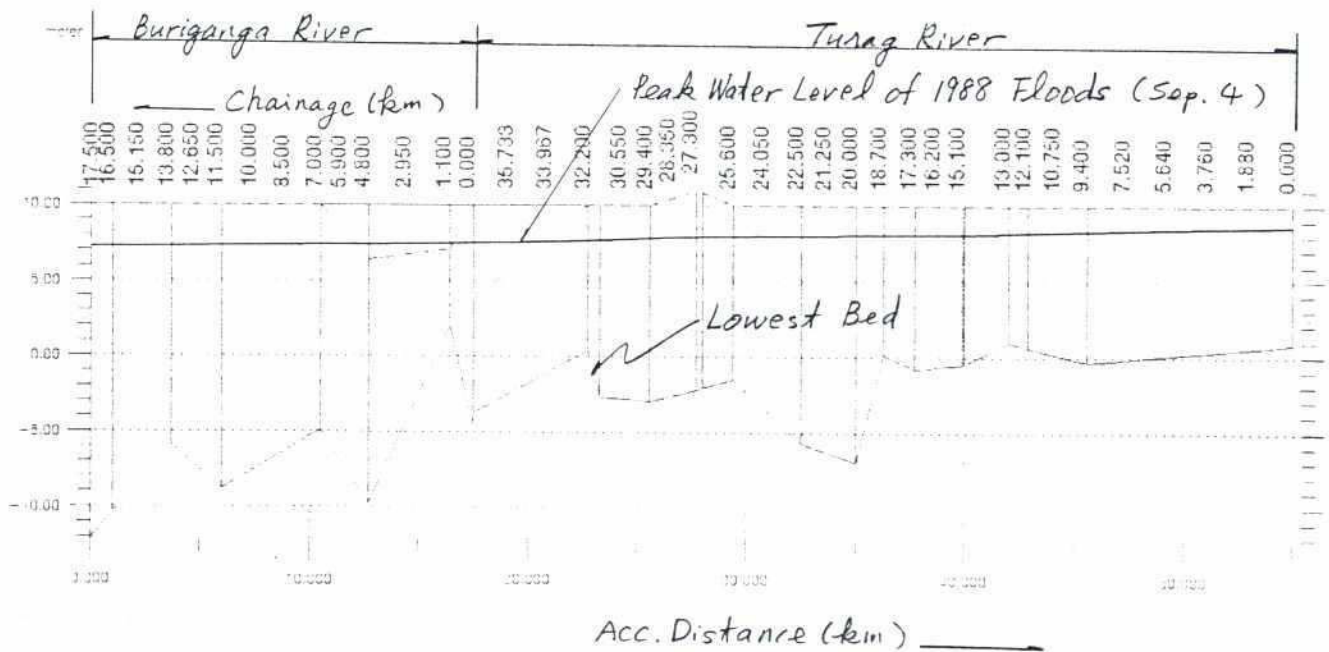


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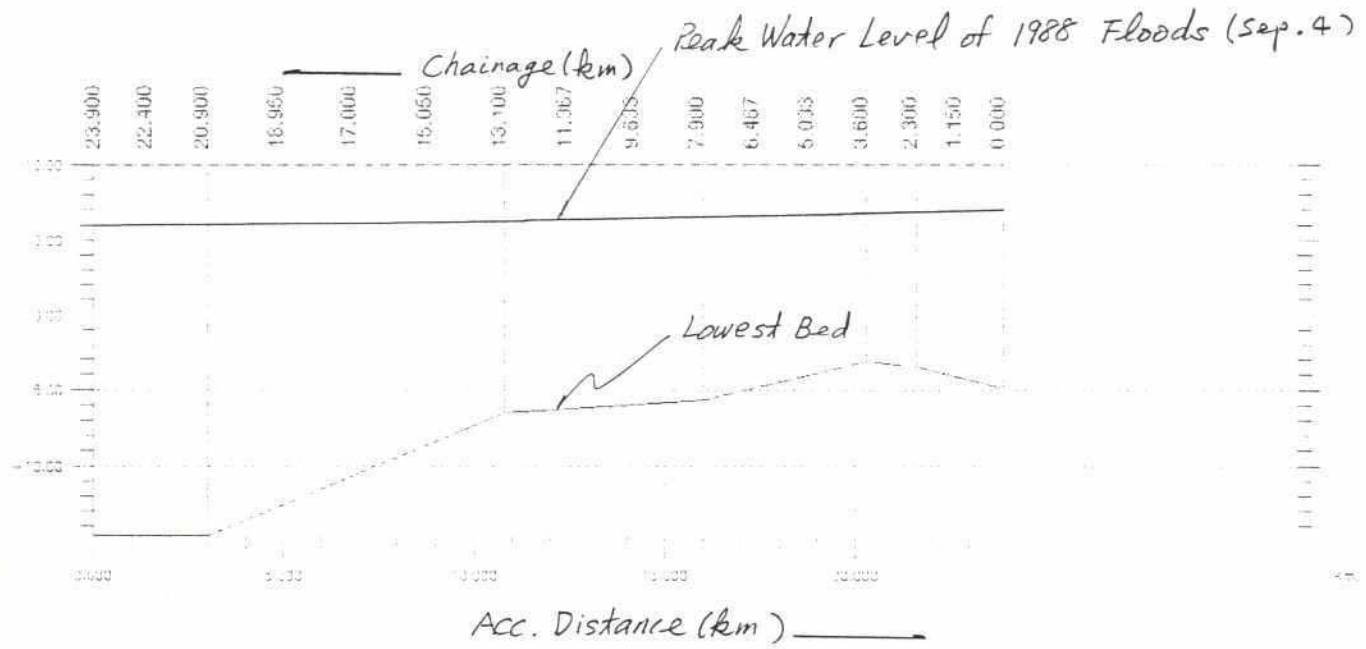
Dhaleswari River and Banshi River



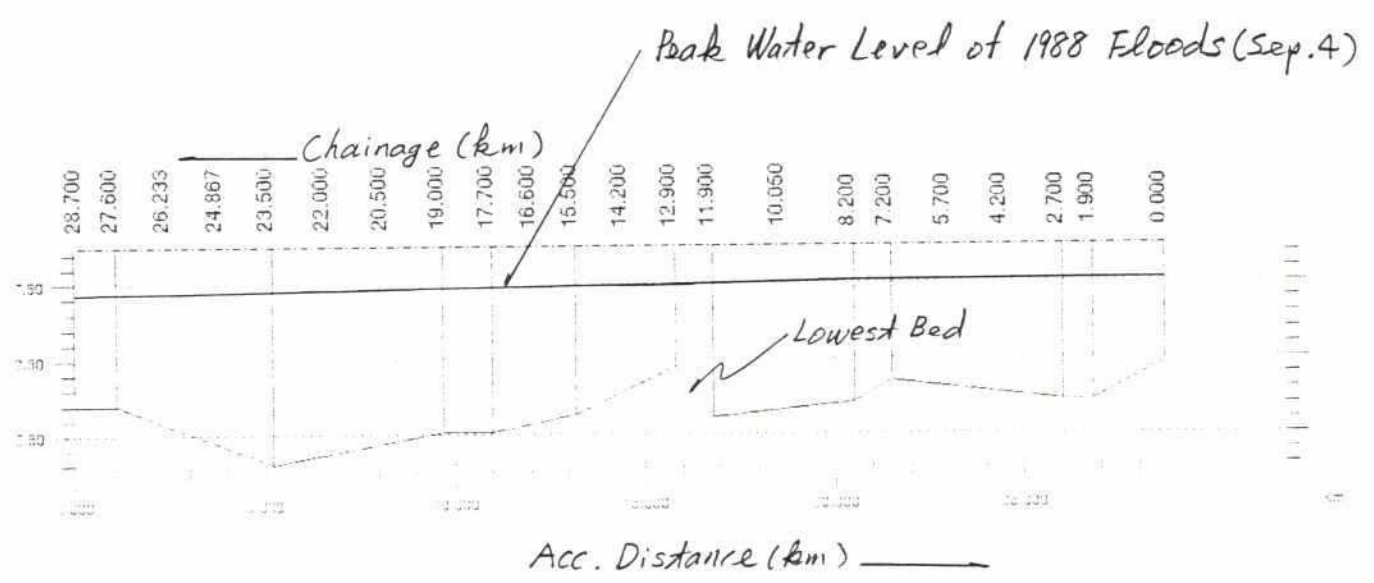
Buriganga River and Turag River



Lakhya River

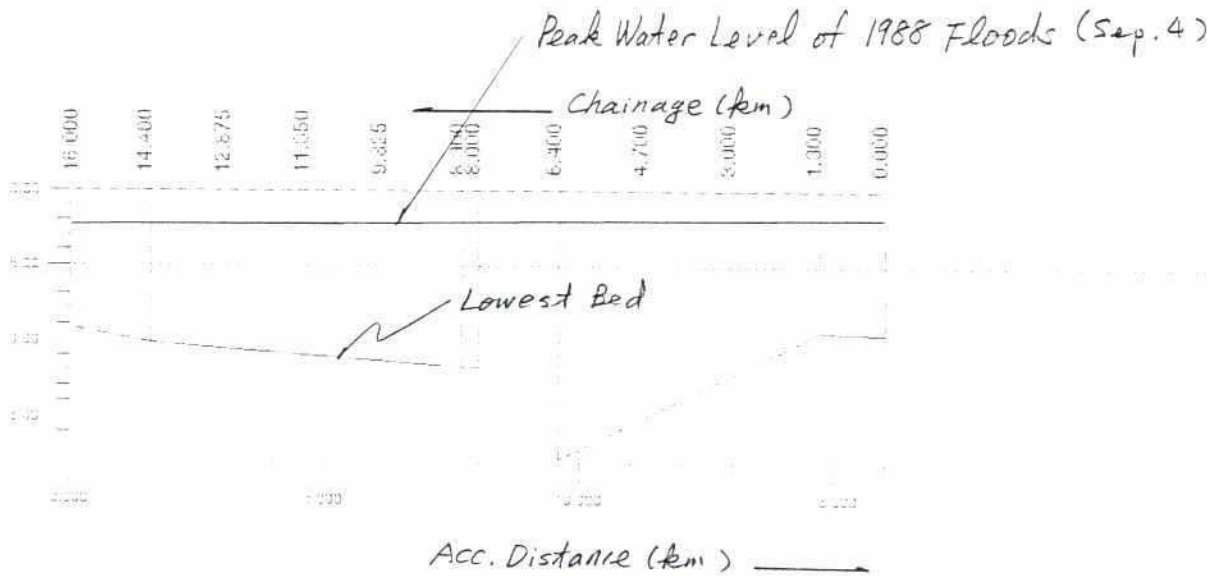


Balu River

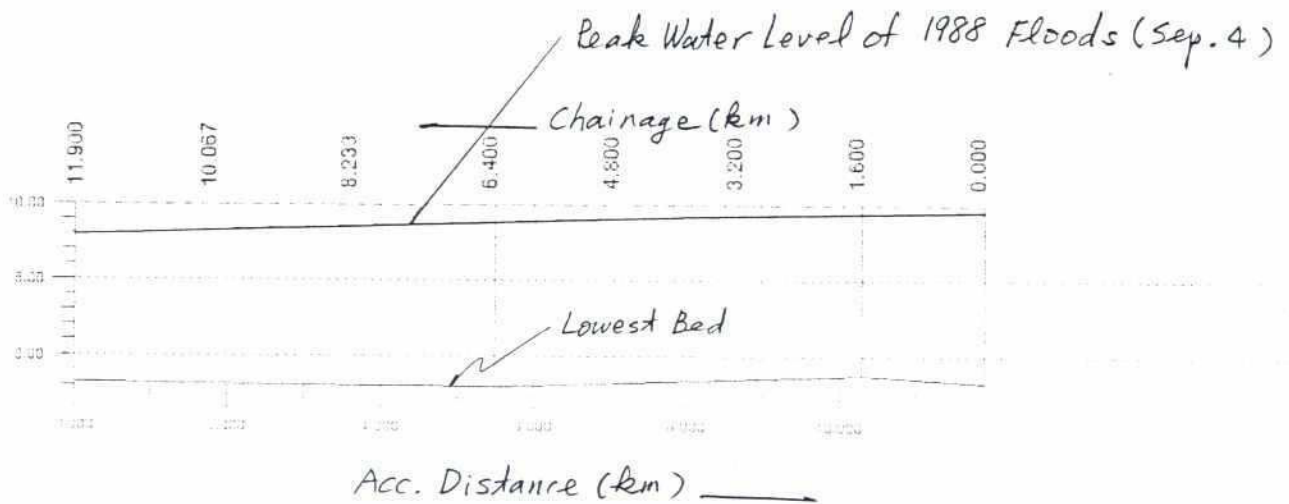


222

Tongi Khal



Kannatali River



GRID POINT RESULT SUMMARY
VELOCITY,

GRID POINT RESULT SUMMARY		
VELOCITY	Location	Minimum m/sec
DHALESWARI	0.000	0.000
DHALESWARI	0.250	0.000
DHALESWARI	0.500	0.000
DHALESWARI	0.650	0.000
DHALESWARI	0.800	0.000
DHALESWARI	0.800	0.000
DHALESWARI	1.780	0.000
DHALESWARI	2.760	0.000
DHALESWARI	3.710	0.000
DHALESWARI	1.720	0.000
DHALESWARI	5.700	0.000
DHALESWARI	6.680	0.000
DHALESWARI	7.660	0.000
DHALESWARI	8.640	0.000
DHALESWARI	9.620	0.000
DHALESWARI	10.600	0.000
DHALESWARI	11.138	0.000
DHALESWARI	12.275	0.000
DHALESWARI	13.113	0.000
DHALESWARI	15.930	0.000
DHALESWARI	11.788	0.000
DHALESWARI	13.625	0.000
DHALESWARI	16.463	0.000
DHALESWARI	17.300	0.000
DHALESWARI	17.900	0.000
DHALESWARI	18.500	0.000
DHALESWARI	19.100	0.000
DHALESWARI	19.700	0.000
DHALESWARI	20.683	0.000
DHALESWARI	21.667	0.000
DHALESWARI	22.650	0.000
DHALESWARI	23.632	0.000
DHALESWARI	24.617	0.000
DHALESWARI	25.600	0.000
DHALESWARI	26.467	0.000
DHALESWARI	27.333	0.000
DHALESWARI	28.200	0.000
DHALESWARI	29.067	0.000
DHALESWARI	29.933	0.000
DHALESWARI	30.800	0.000
DHALESWARI	31.600	0.000
DHALESWARI	32.100	0.000
DHALESWARI	33.200	0.000
DHALESWARI	34.000	0.000
DHALESWARI	34.800	0.000
DHALESWARI	35.600	0.000
DHALESWARI	36.400	0.000
DHALESWARI	37.200	0.000
DHALESWARI	38.050	0.000
DHALESWARI	38.900	0.000
DHALESWARI	39.750	0.000
DHALESWARI	40.600	0.000
DHALESWARI	41.450	0.000
DHALESWARI	42.300	0.000
DHALESWARI	43.150	0.000

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Location	Minimum m/sec	Maximum m/sec	Location	Minimum m/sec	Maximum m/sec
BURIGANGA	12.075	0.000	TURAG	28.875	0.000
BURIGANGA	12.650	0.000	TURAG	29.190	0.000
BURIGANGA	13.225	0.000	TURAG	29.975	0.000
BURIGANGA	13.800	0.000	TURAG	30.550	0.000
BURIGANGA	14.175	0.000	TURAG	31.125	0.000
BURIGANGA	15.150	0.000	TURAG	31.700	0.000
BURIGANGA	15.825	0.000	TURAG	31.950	0.000
BURIGANGA	16.500	0.000	TURAG	32.200	0.000
BURIGANGA	17.000	0.000	TURAG	33.083	0.000
BURIGANGA	17.500	0.000	TURAG	33.967	0.000
TURAG	0.000	0.000	TURAG	34.850	0.000
TURAG	0.340	0.000	TURAG	35.733	0.000
TURAG	1.880	0.000	TURAG	36.617	0.000
TURAG	2.820	0.000	TURAG	37.500	0.000
TURAG	3.760	0.000	LAKHYA	0.000	0.000
TURAG	1.700	0.000	LAKHYA	0.375	0.000
TURAG	5.610	0.000	LAKHYA	1.150	0.000
TURAG	6.580	0.000	LAKHYA	1.725	0.000
TURAG	7.520	0.000	LAKHYA	2.300	0.000
TURAG	8.460	0.000	LAKHYA	2.950	0.000
TURAG	9.100	0.000	LAKHYA	3.600	0.000
TURAG	19.075	0.000	LAKHYA	3.600	0.000
TURAG	10.750	0.000	LAKHYA	1.317	0.000
TURAG	11.125	0.000	LAKHYA	5.033	0.000
TURAG	12.100	0.000	LAKHYA	5.750	0.000
TURAG	12.580	0.000	LAKHYA	6.467	0.000
TURAG	13.000	0.000	LAKHYA	7.183	0.000
TURAG	14.000	0.000	LAKHYA	7.900	0.000
TURAG	15.000	0.000	LAKHYA	8.767	0.000
TURAG	15.000	0.000	LAKHYA	9.633	0.000
TURAG	15.050	0.000	LAKHYA	10.500	0.000
TURAG	15.100	0.000	LAKHYA	11.367	0.000
TURAG	15.650	0.000	LAKHYA	12.233	0.000
TURAG	16.200	0.000	LAKHYA	13.100	0.000
TURAG	16.750	0.000	LAKHYA	14.075	0.000
TURAG	17.300	0.000	LAKHYA	15.050	0.000
TURAG	18.000	0.000	LAKHYA	16.025	0.000
TURAG	18.700	0.000	LAKHYA	17.000	0.000
TURAG	19.350	0.000	LAKHYA	17.975	0.000
TURAG	20.000	0.000	LAKHYA	18.950	0.000
TURAG	20.625	0.000	LAKHYA	19.925	0.000
TURAG	21.250	0.000	LAKHYA	20.900	0.000
TURAG	21.875	0.000	LAKHYA	21.650	0.000
TURAG	22.500	0.000	LAKHYA	23.100	0.000
TURAG	23.275	0.000	LAKHYA	23.150	0.000
TURAG	24.050	0.000	LAKHYA	23.900	0.000
TURAG	24.825	0.000	LAKHYA	0.000	0.000
TURAG	25.600	0.000	BALU	0.950	0.000
TURAG	26.300	0.000	BALU	1.900	0.000
TURAG	27.000	0.000	BALU	2.300	0.000
TURAG	27.000	0.000	BALU	2.700	0.000
TURAG	27.150	0.000	BALU	3.150	0.000
TURAG	27.300	0.000	BALU	4.200	0.000
TURAG	27.825	0.000	BALU	4.950	0.000
TURAG	28.350	0.000	BALU	5.700	0.000

	Location	Minimum m/sec	Maximum m/sec		Location	Minimum m/sec	Maximum m/sec
BALU	6.150	0.000	0.108	TONGI	11.100	0.000	0.112
BALU	7.200	0.000	0.111	TONGI	13.200	0.000	0.138
BALU	7.200	0.000	0.729	TONGI	16.000	0.000	0.518
BALU	7.700	0.000	0.646	KARNATAALI	0.000	0.000	1.388
BALU	8.200	0.000	0.378	KARNATAALI	0.800	0.000	1.197
BALU	9.125	0.000	0.619	KARNATAALI	1.600	0.000	1.031
BALU	10.050	0.000	0.667	KARNATAALI	2.100	0.000	1.089
BALU	10.375	0.000	0.727	KARNATAALI	3.200	0.000	1.132
BALU	11.200	0.000	0.802	KARNATAALI	4.000	0.000	1.170
BALU	12.100	0.000	0.727	KARNATAALI	4.800	0.000	1.230
BALU	12.900	0.000	0.652	KARNATAALI	5.600	0.000	1.287
BALU	13.550	0.000	0.639	KARNATAALI	6.400	0.000	1.350
BALU	14.200	0.000	0.617	KARNATAALI	7.317	0.000	1.108
BALU	14.850	0.000	0.628	KARNATAALI	8.233	0.000	1.170
BALU	15.500	0.000	0.645	KARNATAALI	9.150	0.000	1.527
BALU	16.050	0.000	0.376	KARNATAALI	10.067	0.000	1.587
BALU	16.600	0.000	0.517	KARNATAALI	10.983	0.000	1.616
BALU	17.150	0.000	0.166	KARNATAALI	11.900	0.000	1.616
BALU	17.700	0.000	0.427				
BALU	18.350	0.000	0.198				
BALU	19.000	0.000	0.585				
BALU	19.750	0.000	0.599				
BALU	20.500	0.000	0.615				
BALU	21.250	0.000	0.642				
BALU	22.000	0.000	0.672				
BALU	22.750	0.000	0.733				
BALU	23.500	0.000	0.834				
BALU	24.183	0.000	0.820				
BALU	24.867	0.000	0.773				
BALU	25.550	0.000	0.728				
BALU	26.233	0.000	0.688				
BALU	26.917	0.000	0.652				
BALU	27.600	0.000	0.619				
BALU	28.150	0.000	0.623				
BALU	28.700	0.000	0.627				
TONGI	0.000	0.000	0.878				
TONGI	0.650	0.000	0.678				
TONGI	1.300	0.000	0.358				
TONGI	2.150	0.000	0.543				
TONGI	3.000	0.000	0.528				
TONGI	3.850	0.000	0.519				
TONGI	4.700	0.000	0.509				
TONGI	5.550	0.000	0.511				
TONGI	6.400	0.000	0.513				
TONGI	7.200	0.000	0.677				
TONGI	8.000	0.000	0.996				
TONGI	8.150	0.000	0.986				
TONGI	8.300	0.000	0.976				
TONGI	9.063	0.000	0.870				
TONGI	9.825	0.000	0.783				
TONGI	10.588	0.000	0.697				
TONGI	11.350	0.000	0.627				
TONGI	12.113	0.000	0.568				
TONGI	12.875	0.000	0.520				
TONGI	13.638	0.000	0.478				

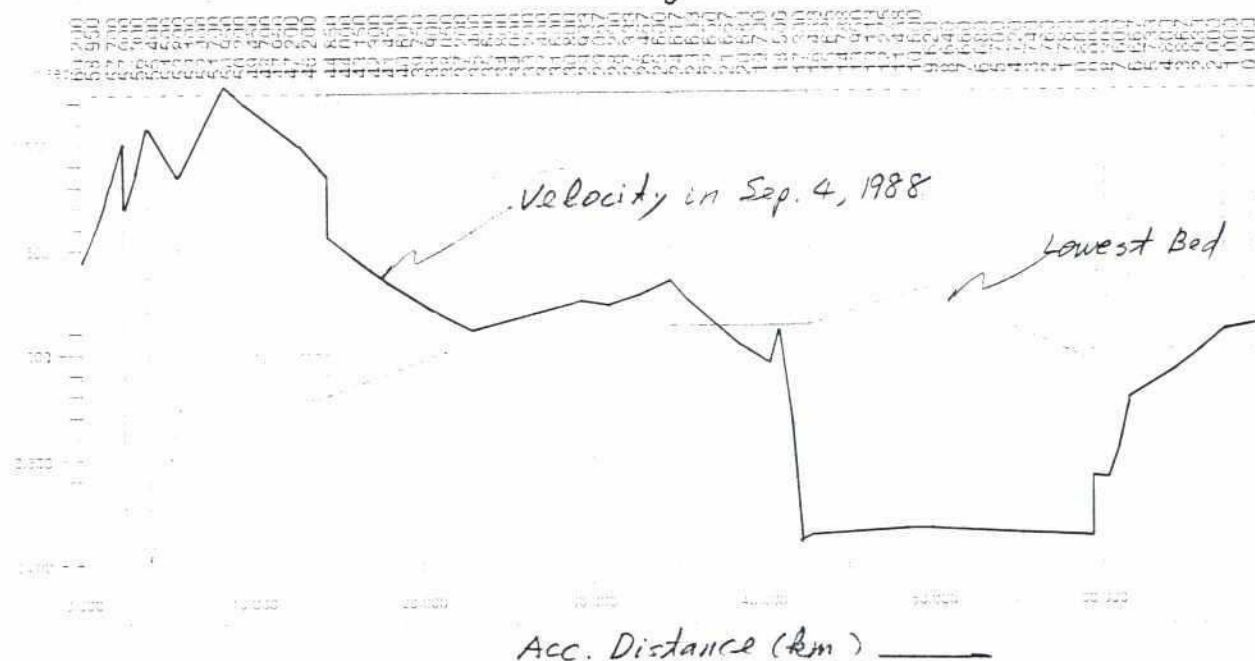
229

Dhaleswari River and Banshi River

Dhaleswari River

Banshi River

Chainage (km)

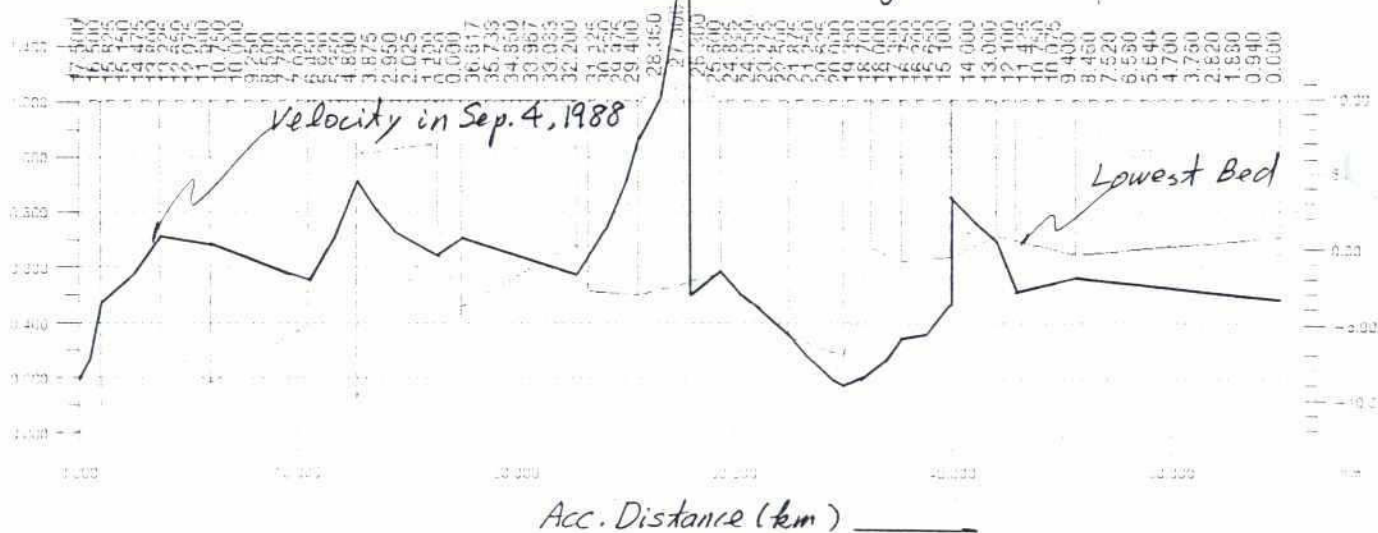


Buriganga River and Turag River

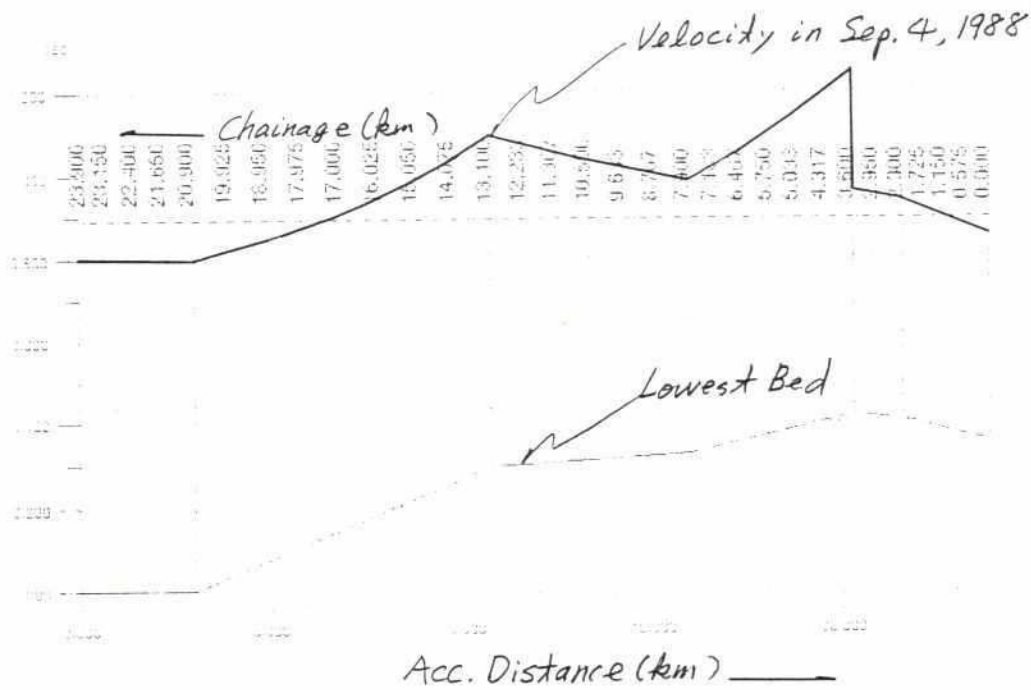
Buriganga River

Turag River

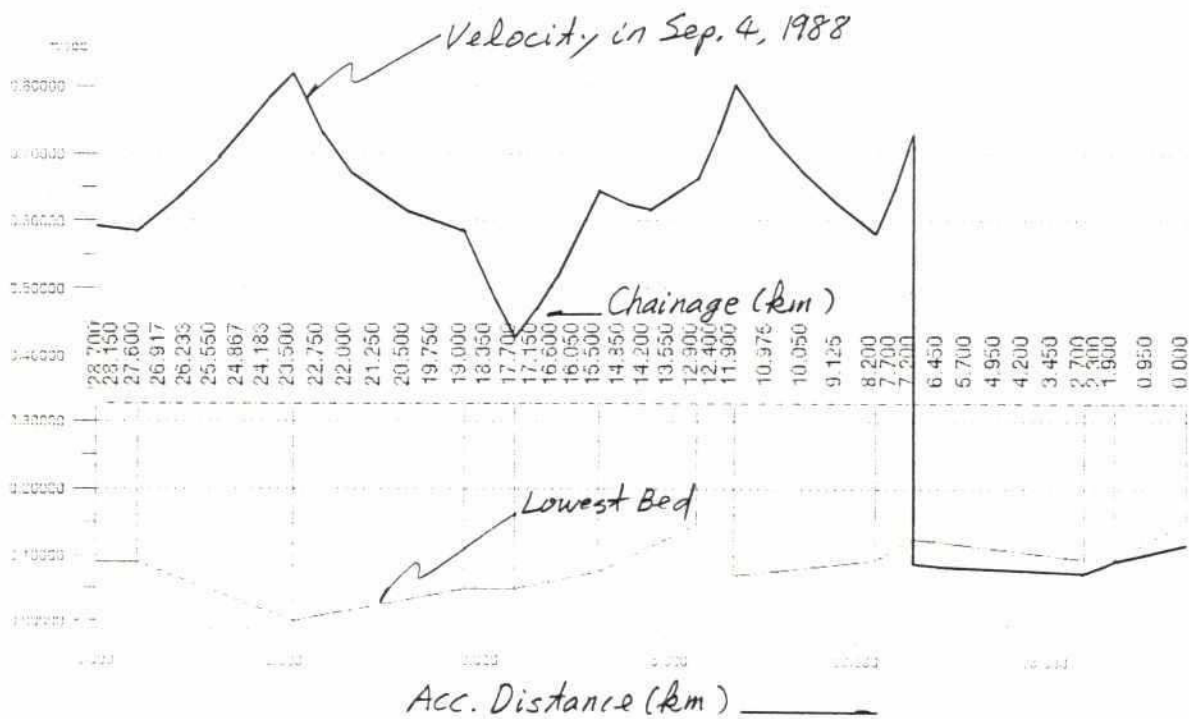
Chainage (km)



Lakhya River

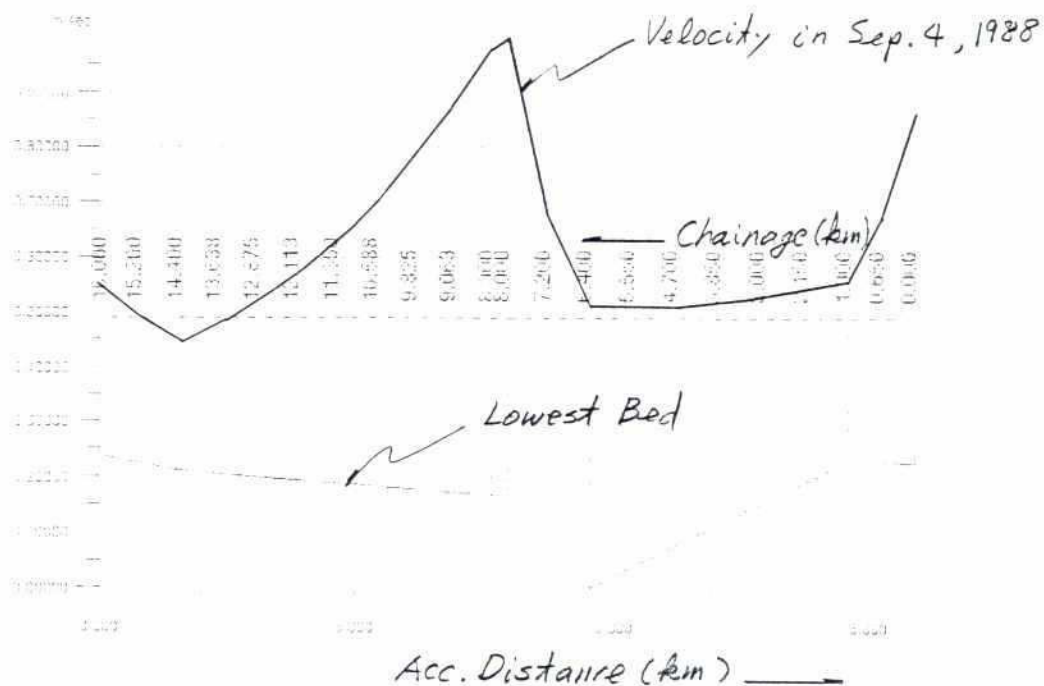


Balu River

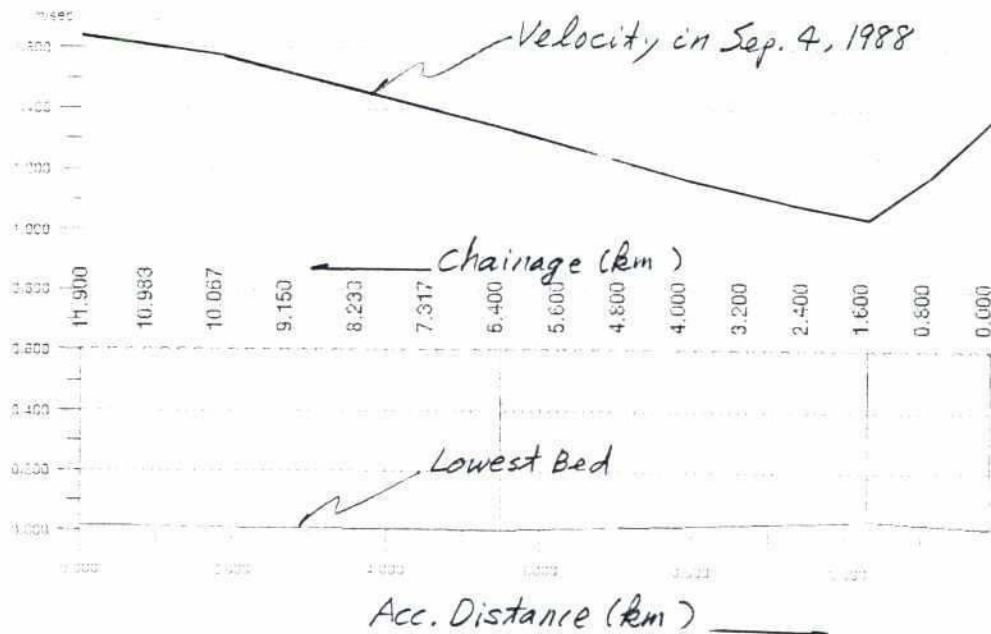


220

Tongi Khal



Karnatali River



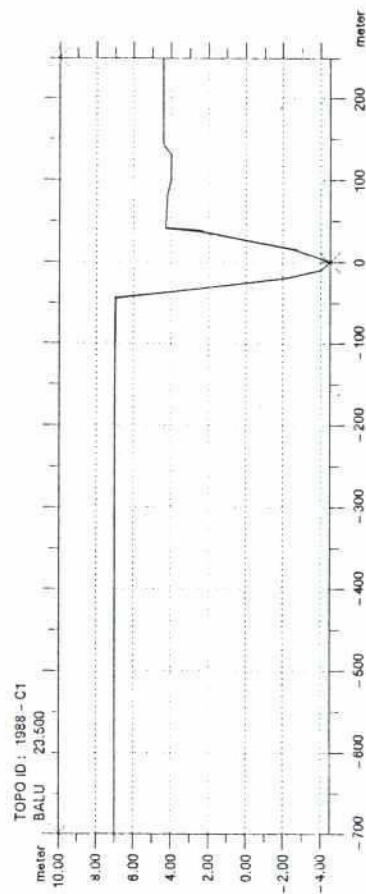
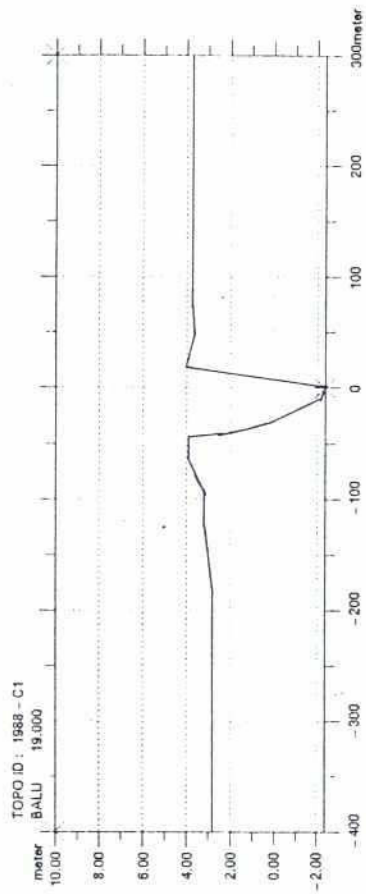
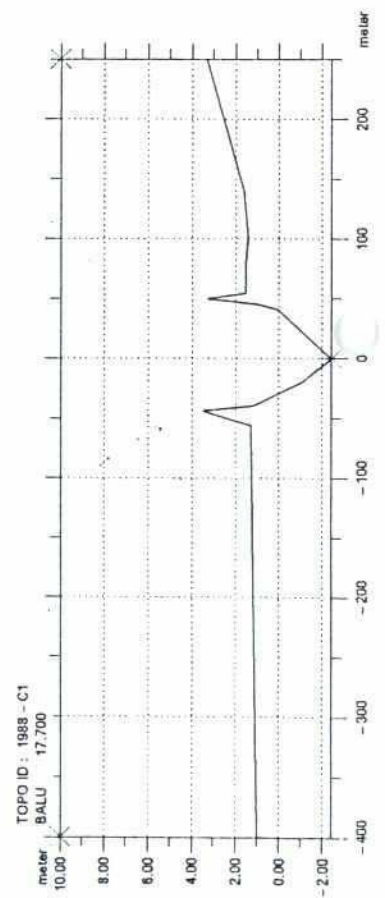
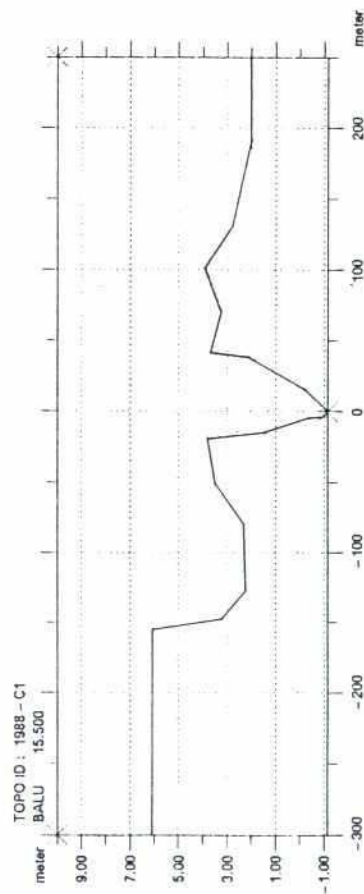
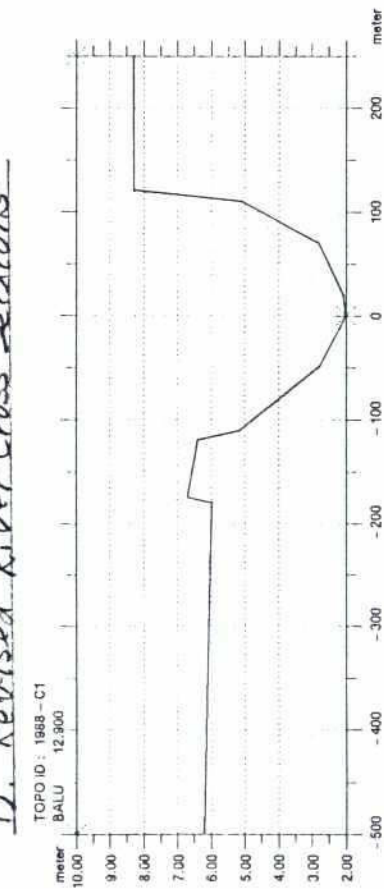
9. Hydraulic Simulatin of 1988 Floods for With Flood Mitigation Plan

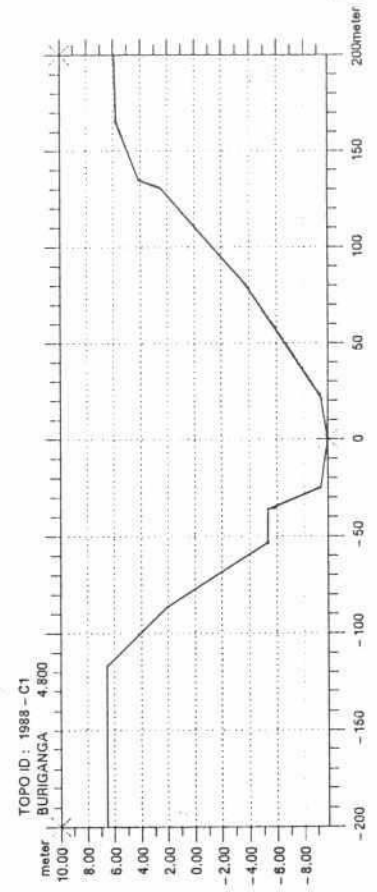
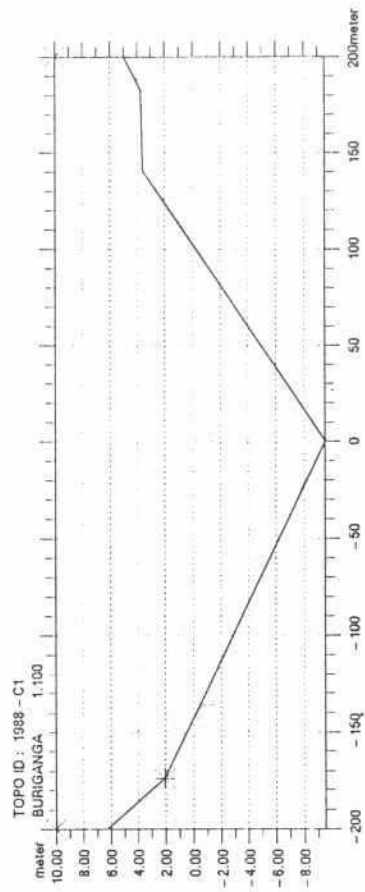
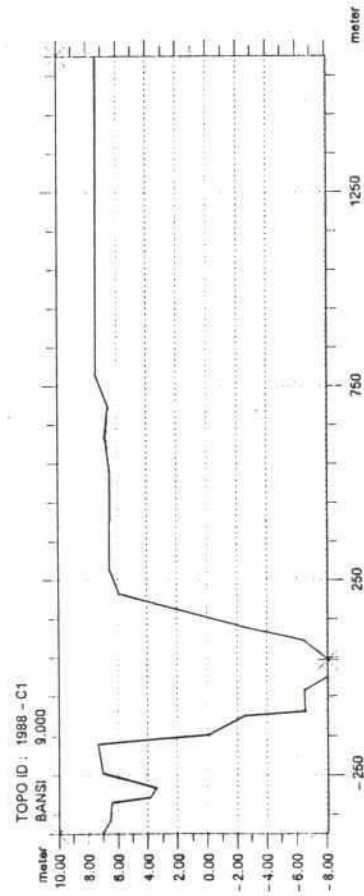
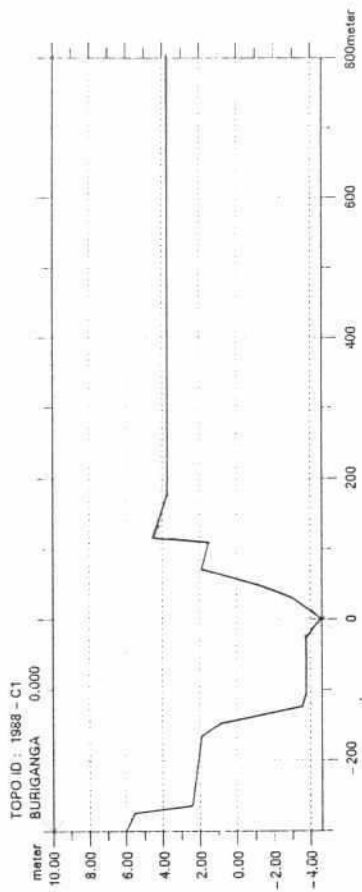
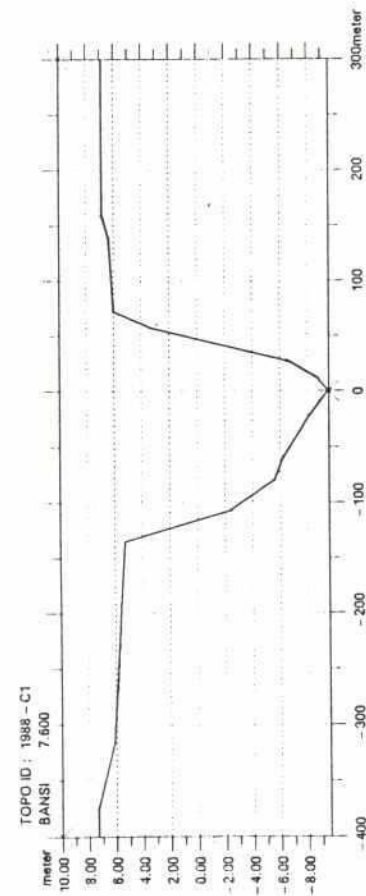
9.1 With Polder Dike/Wall and Without River Dredging

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

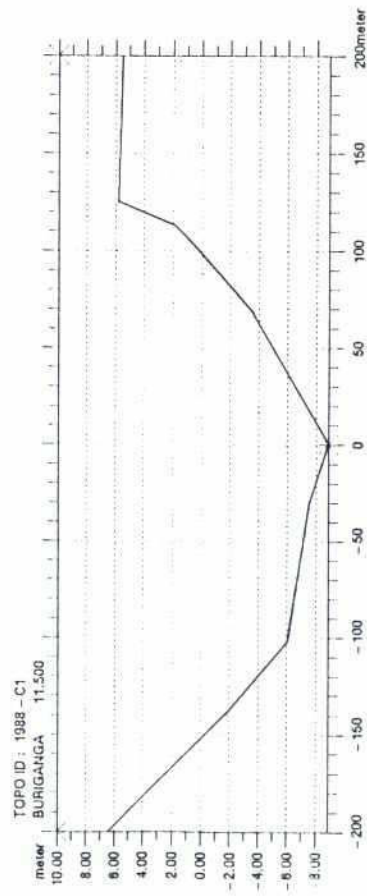
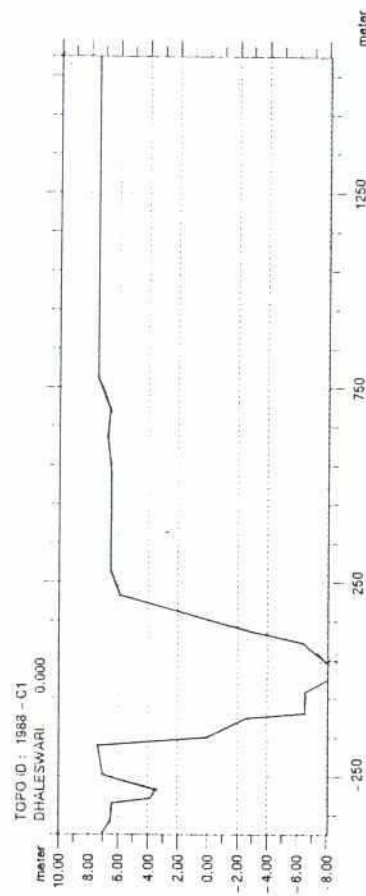
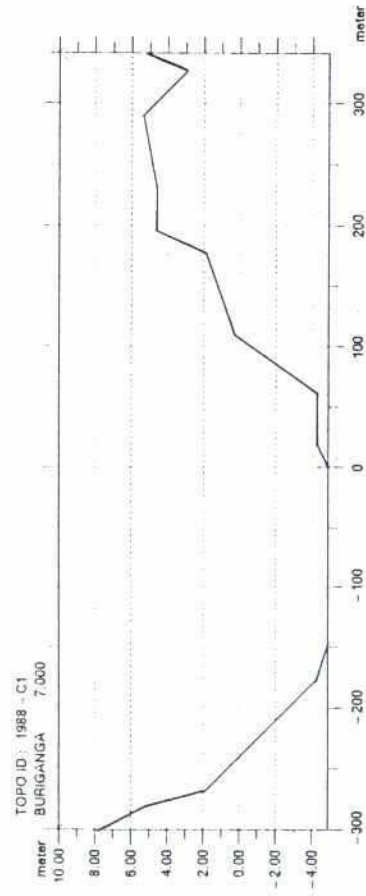
- | | |
|-------------------------------------|--|
| (1) River System : | Same as the condition of Without Flood Mitigation Project |
| (2) River Cross Section: | Taking into account the locations of polder dike/wall, input the revised river cross sections. |
| (3) Boundary Condition : | Boundary discharges, water level at Kalagachia(BWDB Sta.71) and rainfall ruoffs are same as the condition of Without Flood Mitigation Project. |
| (4) Manning's Roughness Coefficient | Same as the condition of Without Flood Mitigation Project |

12. Revised River Cross Sections

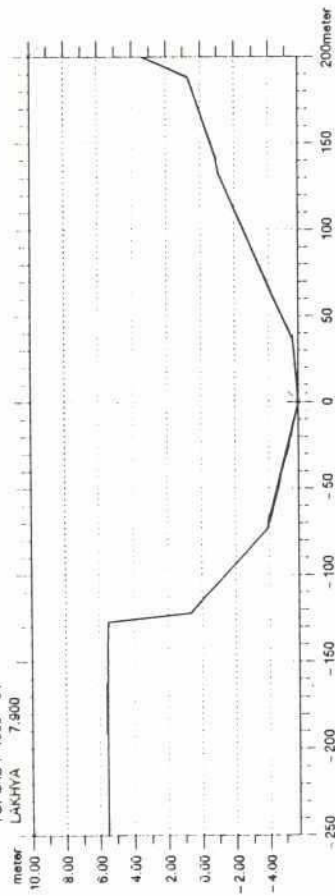




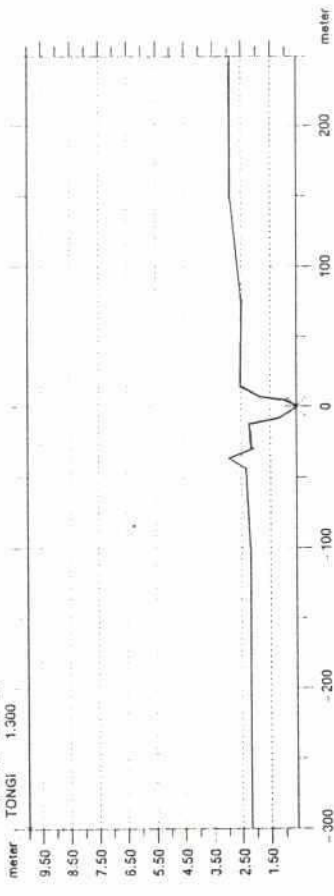
260



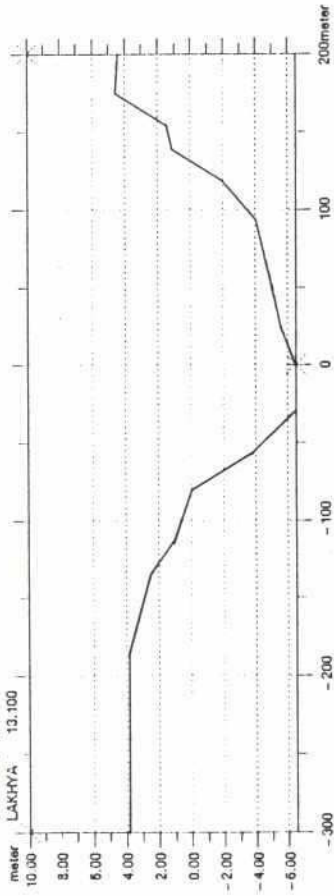
TOPO ID: 1988 - C1
LAKHYA 7.900



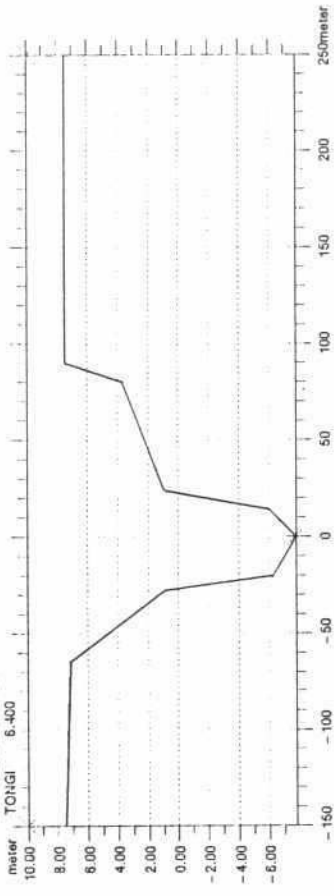
TOPO ID: 1988 - C1
TONGI 1.300



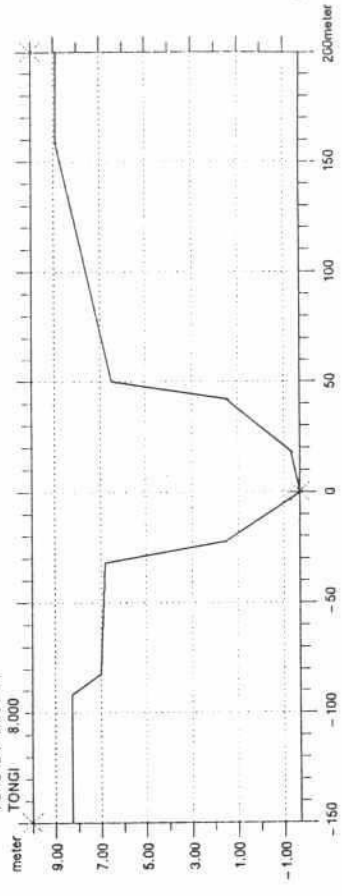
TOPO ID: 1988 - C1
LAKHYA 13.100



TOPO ID: 1988 - C1
TONGI 6.400

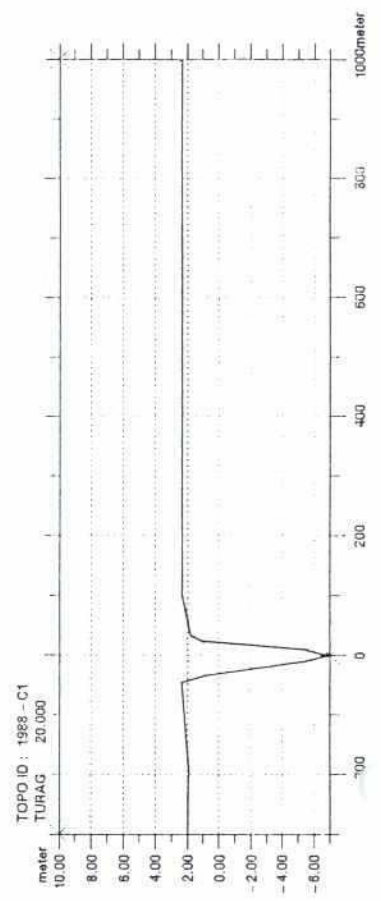
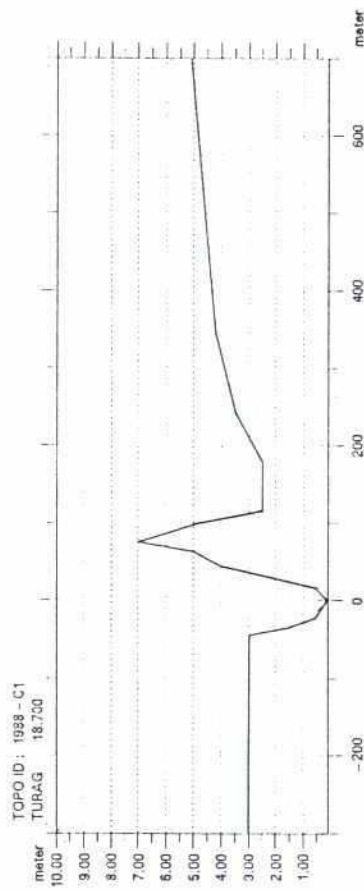
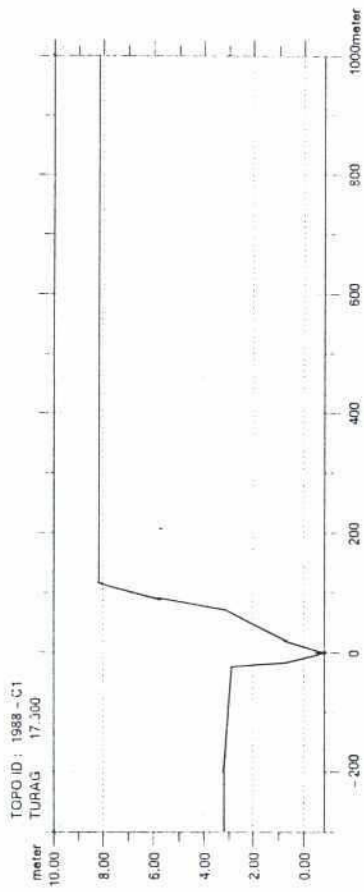
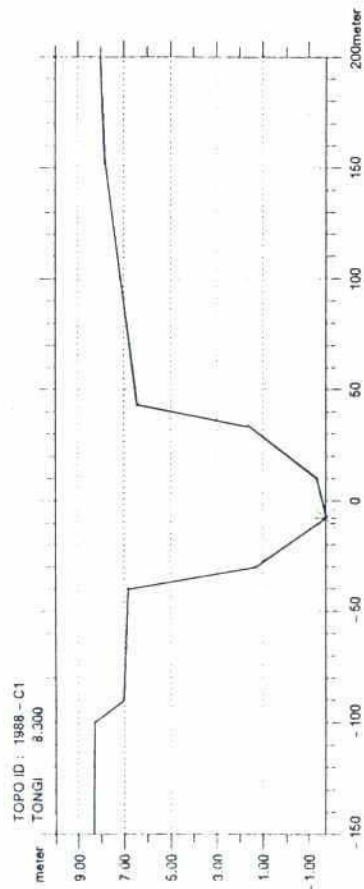


TOPO ID: 1988 - C1
TONGI 8.000

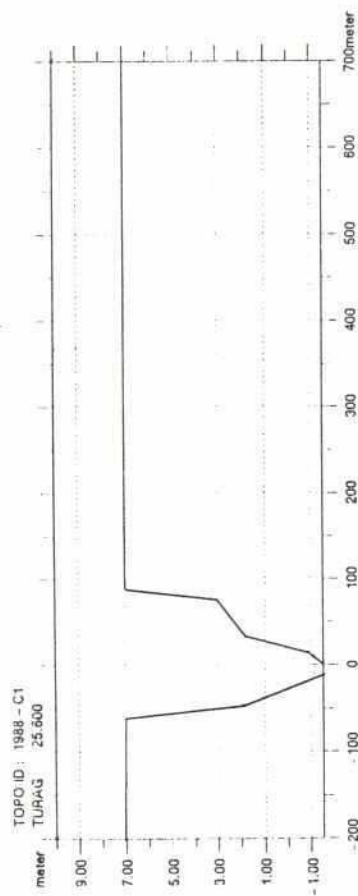


200

202



2012



268

1988-C1
BALU
12.900
COORDINATES
1 90.479 23.837
FLOW DIRECTION
0
DATUM
0.00
PROFILE 14
-500.00 10.00 1.00 <1>
-500.00 6.20 3.33
-180.00 6.00 3.33
-175.00 6.70 3.33
-120.00 6.10 3.33
-110.00 5.10 1.00 $\leftarrow n_2/n_1 = 1.00$
-50.00 2.80 1.00
0.00 2.00 1.00 <2>
20.00 2.10 1.00
70.00 2.80 1.00
110.00 5.10 1.00
120.00 8.30 1.00
250.00 8.30 3.33 $\leftarrow n_2/n_1 = 3.33$
250.00 10.00 3.33 <3>

 $n_1 = 0.030$
 $n_2 = 0.100$

1988-C1
BALU
15.500
COORDINATES
1 90.488 23.821
FLOW DIRECTION
0
DATUM
0.00
PROFILE 21
-300.00 10.00 1.00 <1>
-300.00 6.10 3.33
-155.00 6.10 3.33
-148.00 3.25 3.33
-128.00 2.25 3.33
-80.00 2.30 3.33
-50.00 3.50 3.33
-19.00 3.80 3.33
-15.00 1.50 1.00
-5.00 -0.30 1.00
-4.00 -1.00 1.00
0.00 -1.15 1.00 <2>
15.00 -0.20 1.00
38.00 2.10 1.00
41.00 3.70 1.00
70.00 3.25 3.33
101.00 3.90 3.33
130.00 2.80 3.33
190.00 2.00 3.33
250.00 2.00 3.33
250.00 10.00 3.33 <3>

 $n_1 = 0.030$
 $n_2 = 0.100$

Note : n_1 : Manning's roughness coefficient of river channel
 n_2 : Manning's roughness coefficient of flood plain

1988-C1
BALU
17.700
COORDINATES
1 90.486 23.802
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
-400.00 10.00 1.00 <1>
-400.00 1.00 3.33
-56.00 1.30 3.33
-44.00 3.50 3.33
-40.00 1.20 1.00
-20.00 -1.10 1.00
0.00 -2.40 1.00 <2>
40.00 0.00 1.00
45.00 1.00 1.00
50.00 3.30 1.00
54.00 1.50 3.33
80.00 1.50 3.33
100.00 1.40 3.33
140.00 1.60 3.33
250.00 3.31 3.33
250.00 10.00 3.33 <3>

 $n_1 = 0.030$
 $n_2 = 0.100$

1988-C1
BALU
19.000
COORDINATES
1 90.480 23.790
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-400.00 10.00 1.00 <1>
-400.00 2.80 3.33
-184.00 2.80 3.33
-124.00 3.20 3.33
-94.00 3.20 3.33
-64.00 3.90 3.33
-41.00 3.90 3.33
-41.00 2.50 1.00
-37.00 1.20 1.00
-31.00 0.85 1.00
-31.00 0.20 1.00
-10.00 -2.10 1.00
0.00 -2.35 1.00 <2>
3.00 -1.70 1.00
16.00 3.00 1.00
19.00 4.00 1.00
48.00 3.65 3.33
79.00 3.75 3.33
300.00 3.75 3.33
300.00 10.00 3.33 <3>

 $n_1 = 0.030$
 $n_2 = 0.100$

167

1988-C1
BALU
23.500
COORDINATES
1 90.486 23.758
FLOW DIRECTION
0
DATUM
0.00
PROFILE 17
-700.00 10.00 1.00 <1>
-700.00 7.00 3.33
-54.00 7.00 3.33
-44.00 7.00 3.33
-34.00 2.90 1.00
-19.00 -2.30 1.00
-9.00 -4.10 1.00
0.00 -4.50 1.00 <2>
16.00 -2.50 1.00
36.00 2.20 1.00
41.00 4.30 1.00
81.00 4.20 3.33
101.00 4.00 3.33
131.00 4.00 3.33
141.00 4.40 3.33
250.00 4.40 3.33
250.00 10.00 3.33 <3>

 $M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
BANSI
7.600
COORDINATES
1 90.244 23.845
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-400.00 10.00 1.00 <1>
-400.00 7.29 3.33
-375.56 7.29 3.33
-316.41 6.13 3.33
-256.96 5.76 3.33
-195.38 5.55 3.33
-135.01 5.24 3.33
-106.96 -2.56 1.00
-80.44 -5.61 1.00
-60.93 -6.22 1.00
-21.65 -8.05 1.00
0.00 -9.58 1.00 <2>
12.85 -8.66 1.00
27.18 -6.53 1.00
57.67 3.38 1.00
72.00 6.05 1.00
136.33 6.36 3.33
160.42 6.88 3.33
300.00 6.88 3.33
300.00 10.00 3.33 <3>

 $M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
BANSI
9.000
COORDINATES
1 90.250 23.833
FLOW DIRECTION
0
DATUM
0.00
PROFILE 24
-400.00 10.00 1.00 <1>
-400.00 7.13 3.33
-368.90 6.53 3.33
-320.10 6.45 3.33
-307.90 3.81 3.33
-283.50 3.32 3.33
-247.00 7.03 3.33
-170.70 7.37 3.33
-149.40 0.00 1.00
-100.60 -2.46 1.00
-88.40 -6.55 1.00
-33.54 -6.55 1.00
0.00 -8.07 1.00
42.76 -8.07 1.00 <2>
94.51 -6.34 1.00
125.00 -2.74 1.00
216.46 5.89 1.00
277.44 6.54 1.00
527.44 6.50 3.33
618.90 6.75 3.33
692.07 6.60 3.33
777.44 7.40 3.33
1600.00 7.40 3.33
1600.00 10.00 3.33 <3>

 $M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
BURIGANGA
0.000
COORDINATES
1 90.348 23.742
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-300.00 10.00 1.00 <1>
-300.00 6.00 3.30
-275.00 5.60 3.30
-265.00 2.40 3.30
-165.00 1.90 3.30
-149.00 0.90 1.00
-123.00 -3.60 1.00
-105.00 -3.75 1.00
-25.00 -3.75 1.00
0.00 -1.60 1.00 <2>
30.00 -3.00 1.00
50.00 -1.00 1.00
70.00 1.90 1.00
109.00 1.50 3.30
115.00 1.50 3.30
175.00 3.75 3.30
800.00 3.75 3.30
800.00 10.00 3.30 <3>

 $M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
BURIGANGA

COORDINATES 1.100

1 90.368 23.706

FLOW DIRECTION

0

DATUM

0.00

PROFILE	9			
-200.00	10.00	1.00	<1>	
-200.00	6.25	3.30		
-173.78	2.05	1.00	<2>	
0.00	-9.52	1.00		
125.00	2.05	1.00		
140.24	3.55	1.00		
182.92	3.75	3.30		
200.00	4.99	3.30		
200.00	10.00	3.30	<3>	

$M_1 = 0.030$

$M_2 = 0.100$

1988-C1
BURIGANGA

COORDINATES 4.800

1 90.402 23.708

FLOW DIRECTION

0

DATUM

0.00

PROFILE	15			
-200.00	10.00	1.00	<1>	
-200.00	6.56	3.33		
-117.07	6.56	3.33		
-87.80	2.33	1.00		
-53.66	-5.28	1.00		
-36.59	-5.28	1.00		
-24.95	-9.27	1.00		
0.00	-9.85	1.00	<2>	
21.95	-9.27	1.00		
80.49	-3.76	1.00		
129.27	2.33	1.00		
134.15	4.09	1.00		
165.86	5.83	1.00		
200.00	5.97	3.33		
200.00	10.00	3.33	<3>	

$M_1 = 0.030$

$M_2 = 0.100$

1988-C1
BURIGANGA

COORDINATES 7.000

1 90.418 23.698

FLOW DIRECTION

0

DATUM

0.00

PROFILE	17			
-300.00	10.00	1.00	<1>	
-300.00	7.69	3.33		
-280.56	5.18	1.00		
-268.29	1.82	1.00		
-176.83	-4.26	1.00		
-146.34	-4.87	1.00		
0.00	-4.87	1.00	<2>	
18.29	-4.26	1.00		
60.98	-4.26	1.00		
109.76	0.30	1.00		
176.83	1.82	1.00		
195.12	4.61	1.00		
228.66	4.57	3.33		
289.64	5.34	3.33		
326.22	2.91	3.33		
341.46	5.18	3.33		
341.46	10.00	3.33	<3>	

$M_1 = 0.030$

$M_2 = 0.100$

1988-C1
BURIGANGA

COORDINATES 11.500

1 90.451 23.669

FLOW DIRECTION

0

DATUM

0.00

PROFILE	11			
-200.00	10.00	1.00	<1>	
-200.00	6.43	3.33		
-138.72	-1.82	1.00		
-102.44	-6.10	1.00		
-29.88	-7.56	1.00		
0.00	-8.84	1.00	<2>	
66.77	-3.66	1.00		
112.80	1.82	1.00		
125.00	5.75	1.00		
200.00	5.52	3.33		
200.00	10.00	3.33	<3>	

$M_1 = 0.030$

$M_2 = 0.100$

1988-C1
DHAALESWARI
0.000
COORDINATES
1 90.250 23.833
FLOW DIRECTION
0
DATUM
0.00
PROFILE 24
-400.00 10.00 1.00 <1>
-400.00 7.13 3.33
-368.90 6.53 3.33
-320.10 6.45 3.33
-307.90 3.81 3.33
-283.50 3.32 3.33
-247.00 7.03 3.33
-170.70 7.37 3.33
-149.40 0.00 1.00
-100.60 -2.46 1.00
-88.40 -6.55 1.00
-33.54 -6.55 1.00
0.00 -8.07 1.00
42.76 -8.07 1.00 <2>
94.51 -6.34 1.00
125.00 -2.74 1.00
216.46 5.89 1.00
277.44 6.54 1.00
527.44 6.50 3.33
618.90 6.75 3.33
692.07 6.60 3.33
777.44 7.40 3.33
1600.00 7.40 3.33
1600.00 10.00 3.33 <3>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
LAKHYA
7.900
COORDINATES
1 90.527 23.695
FLOW DIRECTION
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>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
LAKHYA
13.100
COORDINATES
1 90.523 23.654
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-300.00 10.00 1.00 <1>
-300.00 3.84 3.33
-186.28 3.84 3.33
-135.37 2.47 1.00
-113.62 1.13 1.00
-79.88 -0.09 1.00
-56.71 -3.75 1.00
-28.96 -6.49 1.00
0.00 -6.49 1.00 <2>
24.39 -5.58 1.00
54.27 -4.97 1.00
93.29 -4.05 1.00
118.60 -1.92 1.00
138.11 1.13 1.00
154.88 1.51 1.00
174.39 4.57 1.00
200.00 4.45 3.33
200.00 10.00 3.33 <3>

$M_1 = 0.030$
 $M_2 = 0.100$

1988-C1
TONGI
1.300
COORDINATES
1 90.361 23.883
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-300.00 10.00 1.00 <1>
-300.00 2.20 3.33
-104.00 2.20 3.33
-44.00 2.35 3.33
-37.00 3.00 3.33
-31.00 2.20 3.33
-12.00 2.25 3.33
-8.00 1.20 1.00
0.00 0.60 1.00 <2>
4.00 1.00 1.00
7.00 1.90 1.00
14.00 2.55 1.00
58.00 2.50 3.33
74.00 2.50 3.33
148.00 2.90 3.33
206.00 2.90 3.33
250.00 2.90 3.33
250.00 10.00 3.33 <3>

$M_1 = 0.030$
 $M_2 = 0.100$

264

1988-C1
TONGI
6.400
COORDINATES
1 90.394 23.887
FLOW DIRECTION
0
DATUM
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>
14.00 -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>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-C1
TONGI
8.000
COORDINATES
1 90.105 23.881
FLOW DIRECTION
0
DATUM
0.00
PROFILE 13
-150.00 10.00 1.00 <1>
-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>
18.00 -1.30 1.00
42.00 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>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-C1
TONGI
8.300
COORDINATES
1 90.406 23.879
FLOW DIRECTION
0
DATUM
0.00
PROFILE 13
-150.00 10.00 1.00 <1>
-150.00 8.31 3.33
-100.00 8.30 3.33
-90.00 7.00 3.33
-40.00 6.80 3.33
-31.00 1.50 1.00
-8.00 -1.70 1.00 <2>
10.00 -1.30 1.00
33.00 1.50 1.00
43.00 6.40 1.00
150.00 7.80 3.33
200.00 8.00 3.33
200.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-C1
TURAG
17.300
COORDINATES
1 90.348 23.857
FLOW DIRECTION
0
DATUM
0.00
PROFILE 13
-300.00 10.00 1.00 <1>
-300.00 3.20 3.33
-204.00 3.20 3.33
-24.00 2.90 3.33
-16.00 0.65 1.00
0.00 -0.80 1.00 <2>
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 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

207

1988-C1
TURAG 18.700
COORDINATES 1 90.340 23.816
FLOW DIRECTION
0
DATUM 0.00
PROFILE 18
-300.00 10.00 1.00 <1>
-300.00 3.01 3.33
-45.00 3.00 3.33
-35.00 1.50 1.00
-25.00 0.70 1.00
-15.00 0.40 1.00
0.00 0.10 1.00 <2>
15.00 0.50 1.00
45.00 4.00 1.00
63.00 5.10 3.33
75.00 7.00 3.33
98.00 5.00 3.33
115.00 2.50 3.33
180.00 2.50 3.33
242.00 3.50 3.33
345.00 4.20 3.33
700.00 5.10 3.33
700.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-C1
TURAG 20.000
COORDINATES 1 90.312 23.837
FLOW DIRECTION
0
DATUM 0.00
PROFILE 17
-300.00 10.00 1.00 <1>
-300.00 2.00 3.33
-250.00 2.00 3.33
-190.00 1.90 3.33
-126.00 2.10 3.33
-45.00 2.30 3.33
-33.00 0.80 1.00
-20.00 -2.90 1.00
-12.00 -5.10 1.00
0.00 -7.00 1.00 <2>
10.00 -5.20 1.00
25.00 1.00 1.00
35.00 1.80 1.00
103.00 2.30 3.33
150.00 2.30 3.33
1000.00 2.30 3.33
1000.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-C1
TURAG 25.600
COORDINATES 1 90.343 23.797
FLOW DIRECTION
0
DATUM 0.00
PROFILE 14
-200.00 10.00 1.00 <1>
-200.00 7.01 3.33
-82.00 7.00 3.33
-62.00 7.00 3.33
-47.00 1.80 1.00
-12.00 -1.50 1.00
0.00 -1.50 1.00 <2>
15.00 -0.70 1.00
32.00 1.80 1.00
76.00 3.10 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>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

22. Results of Calibration

GRID POINT RESULT SUMMARY

WATER LEVEL	Location	Minimum meter	Maximum meter	Location	Minimum meter	Maximum meter
DHALESWARI	0.000	5.10	9.59	BURIGANGA	8.500	8.70
DHALESWARI	0.500	5.10	9.59	BURIGANGA	10.000	8.70
DHALESWARI	0.800	5.10	9.59	BURIGANGA	11.500	8.70
DHALESWARI	0.800	5.10	9.59	BURIGANGA	12.650	8.70
DHALESWARI	2.760	5.39	9.59	BURIGANGA	13.800	8.70
DHALESWARI	4.720	5.37	9.59	BURIGANGA	13.150	8.70
DHALESWARI	6.680	5.35	9.59	BURIGANGA	16.500	8.70
DHALESWARI	8.640	5.31	9.59	TURAG	0.000	8.70
DHALESWARI	10.600	5.22	9.58	TURAG	1.350	8.70
DHALESWARI	12.275	5.11	9.57	TURAG	3.760	8.70
DHALESWARI	13.950	5.07	9.57	TURAG	5.610	8.70
DHALESWARI	15.625	5.03	9.57	TURAG	7.520	8.70
DHALESWARI	17.300	4.99	9.57	TURAG	9.460	8.70
DHALESWARI	18.500	4.98	9.57	TURAG	10.750	8.70
DHALESWARI	19.700	4.97	9.57	TURAG	12.100	8.70
DHALESWARI	21.667	4.96	9.57	TURAG	13.000	8.70
DHALESWARI	23.633	4.95	9.57	TURAG	15.000	8.70
DHALESWARI	25.600	4.91	9.57	TURAG	15.190	8.70
DHALESWARI	27.333	4.92	9.57	TURAG	16.200	8.70
DHALESWARI	29.067	4.91	9.57	TURAG	17.300	8.70
DHALESWARI	30.800	4.89	9.57	TURAG	18.760	8.70
DHALESWARI	32.100	4.87	9.57	TURAG	20.000	8.70
DHALESWARI	34.000	4.86	9.57	TURAG	21.250	8.70
DHALESWARI	35.600	4.82	9.57	TURAG	22.500	8.70
DHALESWARI	37.200	4.72	9.57	TURAG	24.050	8.70
DHALESWARI	38.900	4.61	9.57	TURAG	25.600	8.70
DHALESWARI	40.600	4.57	9.57	TURAG	27.000	8.70
DHALESWARI	42.300	4.52	9.57	TURAG	27.000	8.70
DHALESWARI	44.000	4.48	9.57	TURAG	27.300	8.70
DHALESWARI	45.700	4.44	9.57	TURAG	28.350	8.70
DHALESWARI	47.200	4.40	9.57	TURAG	29.400	8.70
DHALESWARI	48.700	4.35	9.57	TURAG	30.350	8.70
DHALESWARI	50.200	4.30	9.57	TURAG	31.700	8.70
DHALESWARI	51.700	4.23	9.57	TURAG	32.200	8.70
DHALESWARI	53.100	4.19	9.57	TURAG	33.967	8.70
DHALESWARI	54.500	4.18	9.57	TURAG	35.733	8.70
DHALESWARI	56.300	4.15	9.57	TURAG	37.500	8.70
DHALESWARI	57.700	4.15	9.57	LAKHYA	0.000	8.70
DHALESWARI	57.700	4.15	9.57	LAKHYA	1.150	8.70
DHALESWARI	57.700	4.15	9.57	LAKHYA	2.300	8.70
DHALESWARI	58.950	4.15	9.57	LAKHYA	3.600	8.70
DHALESWARI	60.200	4.11	9.57	LAKHYA	3.600	8.70
BANSI	0.000	5.67	9.85	LAKHYA	5.033	8.70
BANSI	2.000	5.51	9.74	LAKHYA	6.167	8.70
BANSI	3.867	5.47	9.67	LAKHYA	7.900	8.70
BANSI	5.733	5.43	9.62	LAKHYA	9.633	8.70
BANSI	7.600	5.40	9.58	LAKHYA	11.367	8.70
BANSI	9.000	5.40	9.59	LAKHYA	13.100	8.70
BURIGANGA	0.000	4.51	7.19	LAKHYA	15.050	8.70
BURIGANGA	1.100	4.53	7.17	LAKHYA	17.000	8.70
BURIGANGA	2.950	4.51	7.12	LAKHYA	18.950	8.70
BURIGANGA	4.800	4.50	7.37	LAKHYA	20.900	8.70
BURIGANGA	5.900	4.50	7.36	LAKHYA	22.400	8.70
BURIGANGA	7.000	4.19	7.35			

Location	Minimum meter	Maximum meter				
LAKHYA	23.900	6.01	DHALESWARI	19.100	1007.162	11671.681
BALU	0.000	7.73	DHALESWARI	20.683	1007.162	11671.362
BALU	1.900	7.73	DHALESWARI	22.630	1007.162	11671.811
BALU	2.700	7.73	DHALESWARI	21.617	1007.162	11673.091
BALU	4.200	7.73	DHALESWARI	26.167	1007.162	11673.332
BALU	3.700	7.73	DHALESWARI	28.200	1007.162	11673.592
BALU	7.200	7.73	DHALESWARI	29.933	1007.162	11673.710
BALU	7.200	7.73	DHALESWARI	31.600	1007.162	11673.897
BALU	8.200	7.73	DHALESWARI	33.200	1007.162	11676.331
BALU	10.030	7.64	DHALESWARI	34.900	1007.162	11676.921
BALU	11.900	7.56	DHALESWARI	36.100	1007.162	11677.197
BALU	12.900	7.51	DHALESWARI	38.030	1007.162	11678.026
BALU	13.200	7.13	DHALESWARI	39.730	1007.162	11679.738
BALU	13.300	7.38	DHALESWARI	41.130	1007.162	11679.209
BALU	16.600	7.35	DHALESWARI	43.130	1007.162	11710.017
BALU	17.700	7.31	DHALESWARI	45.930	1007.162	11713.222
BALU	19.000	7.30	DHALESWARI	46.700	1593.622	17111.793
BALU	20.300	7.21	DHALESWARI	47.930	1593.622	17107.236
BALU	22.000	7.18	DHALESWARI	49.130	1593.622	17101.635
BALU	23.500	7.08	DHALESWARI	50.930	1593.622	17108.389
BALU	21.867	7.01	DHALESWARI	52.100	1593.622	17410.621
BALU	26.233	6.96	DHALESWARI	53.800	1593.622	17409.689
BALU	27.600	6.91	DHALESWARI	55.100	1593.622	17112.163
BALU	28.700	6.86	DHALESWARI	57.000	1593.622	17411.188
BALU	0.000	8.16	DHALESWARI	58.323	3523.000	20768.273
TONGI	1.300	8.11	DHALESWARI	59.573	3523.000	20767.371
TONGI	3.000	8.06	BANSI	1.000	1003.207	2635.971
TONGI	4.700	8.03	BANSI	2.933	1012.166	2673.990
TONGI	6.400	8.01	BANSI	1.800	986.283	2673.811
TONGI	8.000	7.94	BANSI	6.667	1012.669	2671.644
TONGI	8.300	7.93	BANSI	8.300	1011.333	2667.984
TONGI	9.823	7.86	BANSI	0.550	586.160	2630.156
TONGI	11.350	7.82	BURIGANGA	2.023	586.160	2690.299
TONGI	12.873	7.79	BURIGANGA	3.975	586.160	2690.601
TONGI	14.400	7.76	BURIGANGA	5.050	586.160	2691.122
TONGI	16.000	7.73	BURIGANGA	6.450	586.160	2691.198
KARNATALI	0.000	9.59	BURIGANGA	7.750	586.160	2693.292
KARNATALI	1.600	9.42	BURIGANGA	9.250	586.160	2693.336
KARNATALI	3.200	9.23	BURIGANGA	10.750	586.160	2693.317
KARNATALI	4.800	9.05	BURIGANGA	13.073	586.160	2693.122
KARNATALI	6.400	8.84	BURIGANGA	13.223	586.160	2693.816
KARNATALI	8.233	8.56	BURIGANGA	14.473	586.160	2693.831
KARNATALI	10.067	8.26	BURIGANGA			
KARNATALI	11.900	7.95	BURIGANGA			

Location	Minimum m3/sec	Maximum m3/sec	
DISCHARGE.			
DHALESWARI	0.250	2668.781	
DHALESWARI	0.650	2667.037	
DHALESWARI	1.780	1040.340	
DHALESWARI	3.710	1023.819	
DHALESWARI	5.700	1008.298	
DHALESWARI	7.660	1007.462	
DHALESWARI	9.620	1007.462	
DHALESWARI	11.138	1007.462	
DHALESWARI	13.113	1007.462	
DHALESWARI	11.788	1007.462	
DHALESWARI	16.463	1007.462	
DHALESWARI	17.900	1010.437	

	Location	Minimum m3/sec	Maximum m3/sec		Location	Minimum m3/sec	Maximum m3/sec
BURIGANGA	13.823	586.160	2693.262	BALU	11.850	101.378	733.973
	17.000	586.160	2688.341	BALU	16.030	101.378	746.121
	0.940	341.133	1349.720	BALU	17.130	101.378	751.116
	2.820	343.132	1349.257	BALU	18.350	101.378	768.828
	4.700	345.152	1348.840	BALU	19.730	101.378	766.101
	6.580	353.186	1359.329	BALU	21.250	101.378	763.313
	8.460	350.819	1358.967	BALU	22.730	101.378	812.647
	10.075	353.161	1358.826	BALU	24.193	101.378	841.342
	11.123	359.511	1358.697	BALU	25.550	101.378	840.058
	12.530	360.539	1358.627	BALU	26.917	101.378	838.897
TURAG	11.000	360.855	731.751	TONGI	28.150	101.378	627.049
	13.030	222.613	732.532	TONGI	0.650	63.378	627.077
	15.650	223.551	732.376	TONGI	2.130	63.378	627.123
	16.730	223.947	732.872	TONGI	3.850	63.378	621.163
	18.000	221.268	733.246	TONGI	5.550	63.378	621.198
	19.350	223.133	738.244	TONGI	7.200	63.378	627.358
	20.625	226.296	741.169	TONGI	8.150	63.378	629.310
	21.875	227.252	759.008	TONGI	9.063	63.378	629.633
	23.275	225.735	751.910	TONGI	10.588	63.378	629.759
	24.825	236.290	851.907	TONGI	12.113	63.378	631.518
LAKHYA	26.300	238.262	2673.370	TONGI	13.638	63.378	632.887
	27.150	586.160	2673.177	KARNATALI	15.200	231.538	1907.239
	27.825	586.160	2673.319	KARNATALI	0.800	231.538	1906.351
	28.875	586.160	2678.268	KARNATALI	2.400	231.538	1906.383
	29.975	586.160	2678.489	KARNATALI	4.000	231.538	1906.456
	31.125	586.160	2678.664	KARNATALI	5.600	231.538	1906.539
	31.950	586.160	2678.994	KARNATALI	7.317	231.538	1906.633
	33.083	586.160	2679.438	KARNATALI	9.150	231.538	1906.751
	34.850	586.160	2679.973	KARNATALI	10.983	231.538	
	36.617	586.160	2573.615				
LAKHYA	0.575	1523.292	2572.882				
	1.723	1523.882	2572.113				
	2.950	1524.474	3408.950				
	1.217	1732.532	3463.483				
	5.750	1754.262	3463.021				
	7.183	1734.854	3462.681				
	8.767	1765.994	3479.975				
	10.500	1766.857	3479.750				
	12.233	1767.795	3479.701				
	11.075	1772.221	3479.718				
LAKHYA	16.025	1773.468	3480.124				
	17.975	1775.160	87.636				
	19.925	1775.965	89.571				
	21.650	1778.620	91.829				
	23.150	1778.231	91.790				
	0.950	30.171	97.532				
	2.300	30.392	727.096				
	3.450	30.713	727.299				
	4.950	30.601	727.566				
	6.450	28.789	734.781				
BALU	7.700	101.378	734.989				
	9.125	101.378					
	10.975	101.378					
	12.400	101.378					
	13.550	101.378					

GRID POINT RESULT SUMMARY

VELOCITY,	Location	Minimum m/sec	Maximum m/sec	Location	Minimum m/sec	Maximum m/sec
DHALESWARI	0.000	0.000	0.000	DHALESWARI	11.000	1.113
DHALESWARI	0.250	0.000	0.132	DHALESWARI	11.350	1.193
DHALESWARI	0.500	0.000	0.127	DHALESWARI	13.700	1.530
DHALESWARI	0.650	0.000	0.122	DHALESWARI	13.700	1.811
DHALESWARI	0.800	0.000	0.126	DHALESWARI	13.930	1.861
DHALESWARI	0.800	0.000	0.193	DHALESWARI	16.200	1.888
DHALESWARI	0.800	0.000	0.198	DHALESWARI	16.700	1.933
DHALESWARI	2.750	0.000	0.204	DHALESWARI	17.200	1.981
DHALESWARI	3.740	0.000	0.211	DHALESWARI	17.950	2.021
DHALESWARI	4.720	0.000	0.218	DHALESWARI	18.700	2.061
DHALESWARI	5.700	0.000	0.226	DHALESWARI	19.150	2.110
DHALESWARI	6.680	0.000	0.231	DHALESWARI	30.200	2.137
DHALESWARI	7.660	0.000	0.244	DHALESWARI	30.930	2.213
DHALESWARI	8.640	0.000	0.256	DHALESWARI	31.700	2.271
DHALESWARI	9.620	0.000	0.269	DHALESWARI	32.100	2.151
DHALESWARI	10.600	0.000	0.286	DHALESWARI	33.100	2.012
DHALESWARI	11.138	0.000	0.285	DHALESWARI	33.800	1.936
DHALESWARI	12.273	0.000	0.273	DHALESWARI	33.400	1.981
DHALESWARI	13.113	0.000	0.265	DHALESWARI	36.300	2.082
DHALESWARI	13.950	0.000	0.258	DHALESWARI	37.000	1.861
DHALESWARI	14.788	0.000	0.250	DHALESWARI	37.700	1.623
DHALESWARI	15.623	0.000	0.212	DHALESWARI	38.323	1.833
DHALESWARI	16.163	0.000	0.231	DHALESWARI	38.930	1.687
DHALESWARI	17.300	0.000	0.226	DHALESWARI	39.373	1.553
DHALESWARI	17.900	0.000	0.197	DHALESWARI	60.200	1.142
DHALESWARI	18.300	0.000	0.711	BANSI	0.000	1.211
DHALESWARI	19.100	0.000	1.158	BANSI	1.000	1.193
DHALESWARI	19.700	0.000	1.013	BANSI	2.000	1.173
DHALESWARI	20.683	0.000	1.011	BANSI	2.933	1.093
DHALESWARI	21.667	0.000	1.019	BANSI	3.867	1.023
DHALESWARI	22.650	0.000	1.109	BANSI	4.800	0.960
DHALESWARI	23.633	0.000	1.177	BANSI	5.733	0.901
DHALESWARI	24.617	0.000	1.253	BANSI	6.667	0.833
DHALESWARI	25.600	0.000	1.339	BANSI	7.600	0.807
DHALESWARI	26.167	0.000	1.300	BANSI	8.300	0.563
DHALESWARI	27.333	0.000	1.264	BANSI	9.000	0.432
DHALESWARI	28.200	0.000	1.244	BURIGANGA	0.000	0.782
DHALESWARI	29.067	0.000	1.223	BURIGANGA	0.550	0.766
DHALESWARI	29.933	0.000	1.233	BURIGANGA	1.100	0.751
DHALESWARI	30.800	0.000	1.331	BURIGANGA	2.023	0.790
DHALESWARI	31.600	0.000	1.293	BURIGANGA	2.950	0.831
DHALESWARI	32.100	0.000	1.253	BURIGANGA	3.873	0.873
DHALESWARI	33.200	0.000	1.195	BURIGANGA	4.800	0.921
DHALESWARI	34.000	0.000	1.170	BURIGANGA	5.350	0.799
DHALESWARI	34.800	0.000	1.152	BURIGANGA	5.900	0.703
DHALESWARI	35.600	0.000	1.135	BURIGANGA	6.150	0.621
DHALESWARI	36.100	0.000	1.117	BURIGANGA	7.000	0.562
DHALESWARI	37.200	0.000	1.100	BURIGANGA	7.750	0.588
DHALESWARI	38.050	0.000	1.136	BURIGANGA	8.500	0.617
DHALESWARI	38.900	0.000	1.174	BURIGANGA	9.250	0.647
DHALESWARI	39.750	0.000	1.213	BURIGANGA	10.000	0.681
DHALESWARI	40.600	0.000	1.254	BURIGANGA	10.750	0.717
DHALESWARI	41.450	0.000	1.297	BURIGANGA	11.500	0.757
DHALESWARI	42.300	0.000	1.311			
DHALESWARI	43.150	0.000	1.393			

	Location	Minimum m/sec	Maximum m/sec		Location	Minimum m/sec	Maximum m/sec
BURIGANGA	12.073	0.000	0.717	TURAG	23.875	0.000	1.130
BURIGANGA	12.650	0.000	0.737	TURAG	29.400	0.000	1.192
BURIGANGA	13.223	0.000	0.729	TURAG	29.973	0.000	0.981
BURIGANGA	13.800	0.000	0.721	TURAG	30.550	0.000	0.834
BURIGANGA	14.475	0.000	0.637	TURAG	31.125	0.000	0.708
BURIGANGA	15.150	0.000	0.570	TURAG	31.700	0.000	0.638
BURIGANGA	15.825	0.000	0.518	TURAG	31.950	0.000	0.603
BURIGANGA	16.500	0.000	0.475	TURAG	32.200	0.000	0.574
BURIGANGA	17.000	0.000	0.274	TURAG	32.093	0.000	0.597
BURIGANGA	17.500	0.000	0.192	TURAG	33.967	0.000	0.619
TURAG	0.000	0.000	0.482	TURAG	34.830	0.000	0.612
TURAG	0.510	0.000	0.487	TURAG	35.723	0.000	0.666
TURAG	1.820	0.000	0.191	TURAG	36.617	0.000	0.688
TURAG	2.520	0.000	0.190	TURAG	37.300	0.000	0.711
TURAG	3.760	0.000	0.502	LAKHYA	0.000	0.000	0.901
TURAG	4.760	0.000	0.509	LAKHYA	0.575	0.000	0.927
TURAG	5.510	0.000	0.519	LAKHYA	1.150	0.000	0.951
TURAG	6.580	0.000	0.529	LAKHYA	1.725	0.000	0.960
TURAG	7.520	0.000	0.537	LAKHYA	2.300	0.000	0.970
TURAG	8.460	0.000	0.545	LAKHYA	2.950	0.000	0.982
TURAG	9.400	0.000	0.554	LAKHYA	3.600	0.000	0.994
TURAG	10.973	0.000	0.510	LAKHYA	3.600	0.000	1.263
TURAG	10.750	0.000	0.527	LAKHYA	4.317	0.000	1.231
TURAG	11.125	0.000	0.519	LAKHYA	5.033	0.000	1.199
TURAG	12.100	0.000	0.510	LAKHYA	5.750	0.000	1.170
TURAG	12.550	0.000	0.584	LAKHYA	6.467	0.000	1.143
TURAG	13.000	0.000	0.689	LAKHYA	7.183	0.000	1.119
TURAG	14.000	0.000	0.754	LAKHYA	7.900	0.000	1.104
TURAG	15.000	0.000	0.836	LAKHYA	8.767	0.000	1.121
TURAG	15.000	0.000	0.439	LAKHYA	9.633	0.000	1.129
TURAG	15.050	0.000	0.465	LAKHYA	10.500	0.000	1.135
TURAG	15.100	0.000	0.471	LAKHYA	11.367	0.000	1.141
TURAG	15.650	0.000	0.500	LAKHYA	12.233	0.000	1.117
TURAG	16.200	0.000	0.534	LAKHYA	13.100	0.000	1.156
TURAG	16.750	0.000	0.599	LAKHYA	14.075	0.000	1.091
TURAG	17.300	0.000	0.680	LAKHYA	15.050	0.000	1.035
TURAG	18.000	0.000	0.529	LAKHYA	16.025	0.000	0.986
TURAG	18.700	0.000	0.433	LAKHYA	17.000	0.000	0.941
TURAG	19.350	0.000	0.322	LAKHYA	17.975	0.000	0.908
TURAG	20.000	0.000	0.256	LAKHYA	18.950	0.000	0.878
TURAG	20.625	0.000	0.285	LAKHYA	19.925	0.000	0.852
TURAG	21.250	0.000	0.320	LAKHYA	20.900	0.000	0.829
TURAG	21.875	0.000	0.349	LAKHYA	21.650	0.000	0.829
TURAG	22.500	0.000	0.382	LAKHYA	22.400	0.000	0.831
TURAG	23.275	0.000	0.432	LAKHYA	23.150	0.000	0.833
TURAG	24.050	0.000	0.495	LAKHYA	23.900	0.000	0.834
TURAG	24.825	0.000	0.571	BALU	0.000	0.000	0.154
TURAG	25.600	0.000	0.703	BALU	0.950	0.000	0.125
TURAG	26.300	0.000	0.639	BALU	1.900	0.000	0.107
TURAG	27.000	0.000	0.566	BALU	2.300	0.000	0.093
TURAG	27.000	0.000	1.763	BALU	2.700	0.000	0.085
TURAG	27.150	0.000	1.763	BALU	3.150	0.000	0.089
TURAG	27.300	0.000	1.764	BALU	4.200	0.000	0.093
TURAG	27.825	0.000	1.135	BALU	4.950	0.000	0.097
TURAG	28.350	0.000	1.210	BALU	5.700	0.000	0.101

Location	Minimum m/sec	Maximum m/sec
BALU	6.150	0.000
BALU	7.200	0.107
BALU	7.200	0.112
BALU	7.700	0.716
BALU	8.200	0.631
BALU	9.123	0.567
BALU	10.050	0.608
BALU	10.973	0.655
BALU	11.900	0.713
BALU	12.100	0.797
BALU	12.900	0.709
BALU	13.350	0.613
BALU	14.200	0.652
BALU	14.850	0.662
BALU	15.300	0.721
BALU	16.050	0.799
BALU	16.600	0.672
BALU	17.150	0.576
BALU	17.700	0.197
BALU	18.350	0.110
BALU	19.000	0.521
BALU	19.750	0.626
BALU	20.500	0.617
BALU	21.250	0.670
BALU	22.000	0.705
BALU	22.750	0.744
BALU	23.500	0.819
BALU	24.183	0.940
BALU	24.867	0.898
BALU	25.550	0.825
BALU	26.233	0.760
BALU	26.917	0.701
BALU	27.600	0.655
BALU	28.150	0.612
BALU	28.700	0.616
BALU	29.350	0.620
BALU	30.000	0.620
BALU	30.650	0.857
BALU	31.300	0.695
BALU	31.950	0.591
BALU	32.600	0.574
BALU	33.250	0.558
BALU	33.900	0.544
BALU	34.550	0.531
BALU	35.200	0.524
BALU	35.850	0.517
BALU	36.500	0.678
BALU	37.150	0.982
BALU	37.800	0.972
BALU	38.450	0.962
BALU	39.100	0.863
BALU	39.750	0.782
BALU	40.400	0.695
BALU	41.050	0.626
BALU	41.700	0.565
BALU	42.350	0.515
BALU	43.000	0.472
BALU	43.650	0.472
BALU	44.300	0.472
BALU	44.950	0.472
BALU	45.600	0.472
BALU	46.250	0.472
BALU	46.900	0.472
BALU	47.550	0.472
BALU	48.200	0.472
BALU	48.850	0.472
BALU	49.500	0.472
BALU	50.150	0.472
BALU	50.800	0.472
BALU	51.450	0.472
BALU	52.100	0.472
BALU	52.750	0.472
BALU	53.400	0.472
BALU	54.050	0.472
BALU	54.700	0.472
BALU	55.350	0.472
BALU	56.000	0.472
BALU	56.650	0.472
BALU	57.300	0.472
BALU	57.950	0.472
BALU	58.600	0.472
BALU	59.250	0.472
BALU	59.900	0.472
BALU	60.550	0.472
BALU	61.200	0.472
BALU	61.850	0.472
BALU	62.500	0.472
BALU	63.150	0.472
BALU	63.800	0.472
BALU	64.450	0.472
BALU	65.100	0.472
BALU	65.750	0.472
BALU	66.400	0.472
BALU	67.050	0.472
BALU	67.700	0.472
BALU	68.350	0.472
BALU	69.000	0.472
BALU	69.650	0.472
BALU	70.300	0.472
BALU	70.950	0.472
BALU	71.600	0.472
BALU	72.250	0.472
BALU	72.900	0.472
BALU	73.550	0.472
BALU	74.200	0.472
BALU	74.850	0.472
BALU	75.500	0.472
BALU	76.150	0.472
BALU	76.800	0.472
BALU	77.450	0.472
BALU	78.100	0.472
BALU	78.750	0.472
BALU	79.400	0.472
BALU	80.050	0.472
BALU	80.700	0.472
BALU	81.350	0.472
BALU	82.000	0.472
BALU	82.650	0.472
BALU	83.300	0.472
BALU	83.950	0.472
BALU	84.600	0.472
BALU	85.250	0.472
BALU	85.900	0.472
BALU	86.550	0.472
BALU	87.200	0.472
BALU	87.850	0.472
BALU	88.500	0.472
BALU	89.150	0.472
BALU	89.800	0.472
BALU	90.450	0.472
BALU	91.100	0.472
BALU	91.750	0.472
BALU	92.400	0.472
BALU	93.050	0.472
BALU	93.700	0.472
BALU	94.350	0.472
BALU	95.000	0.472
BALU	95.650	0.472
BALU	96.300	0.472
BALU	96.950	0.472
BALU	97.600	0.472
BALU	98.250	0.472
BALU	98.900	0.472
BALU	99.550	0.472
BALU	100.200	0.472
BALU	100.850	0.472
BALU	101.500	0.472
BALU	102.150	0.472
BALU	102.800	0.472
BALU	103.450	0.472
BALU	104.100	0.472
BALU	104.750	0.472
BALU	105.400	0.472
BALU	106.050	0.472
BALU	106.700	0.472
BALU	107.350	0.472
BALU	108.000	0.472
BALU	108.650	0.472
BALU	109.300	0.472
BALU	109.950	0.472
BALU	110.600	0.472
BALU	111.250	0.472
BALU	111.900	0.472
BALU	112.550	0.472
BALU	113.200	0.472
BALU	113.850	0.472
BALU	114.500	0.472
BALU	115.150	0.472
BALU	115.800	0.472
BALU	116.450	0.472
BALU	117.100	0.472
BALU	117.750	0.472
BALU	118.400	0.472
BALU	119.050	0.472
BALU	119.700	0.472
BALU	120.350	0.472
BALU	121.000	0.472
BALU	121.650	0.472
BALU	122.300	0.472
BALU	122.950	0.472
BALU	123.600	0.472
BALU	124.250	0.472
BALU	124.900	0.472
BALU	125.550	0.472
BALU	126.200	0.472
BALU	126.850	0.472
BALU	127.500	0.472
BALU	128.150	0.472
BALU	128.800	0.472
BALU	129.450	0.472
BALU	130.100	0.472
BALU	130.750	0.472
BALU	131.400	0.472
BALU	132.050	0.472
BALU	132.700	0.472
BALU	133.350	0.472
BALU	134.000	0.472
BALU	134.650	0.472
BALU	135.300	0.472
BALU	135.950	0.472
BALU	136.600	0.472
BALU	137.250	0.472
BALU	137.900	0.472
BALU	138.550	0.472
BALU	139.200	0.472
BALU	139.850	0.472
BALU	140.500	0.472
BALU	141.150	0.472
BALU	141.800	0.472
BALU	142.450	0.472
BALU	143.100	0.472
BALU	143.750	0.472
BALU	144.400	0.472
BALU	145.050	0.472
BALU	145.700	0.472
BALU	146.350	0.472
BALU	147.000	0.472
BALU	147.650	0.472
BALU	148.300	0.472
BALU	148.950	0.472
BALU	149.600	0.472
BALU	150.250	0.472
BALU	150.900	0.472
BALU	151.550	0.472
BALU	152.200	0.472
BALU	152.850	0.472
BALU	153.500	0.472
BALU	154.150	0.472
BALU	154.800	0.472
BALU	155.450	0.472
BALU	156.100	0.472
BALU	156.750	0.472
BALU	157.400	0.472
BALU	158.050	0.472
BALU	158.700	0.472
BALU	159.350	0.472
BALU	160.000	0.472
BALU	160.650	0.472
BALU	161.300	0.472
BALU	161.950	0.472
BALU	162.600	0.472
BALU	163.250	0.472
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BALU	166.500	0.472
BALU	167.150	0.472
BALU	167.800	0.472
BALU	168.450	0.472
BALU	169.100	0.472
BALU	169.750	0.472
BALU	170.400	0.472
BALU	171.050	0.472
BALU	171.700	0.472
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BALU	173.000	0.472
BALU	173.650	0.472
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BALU	175.600	0.472
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BALU	177.550	0.472
BALU	178.200	0.472
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BALU	179.500	0.472
BALU	180.150	0.472
BALU	180.800	0.472
BALU	181.450	0.472
BALU	182.100	0.472
BALU	182.750	0.472
BALU	183.400	0.472
BALU	184.050	0.472
BALU	184.700	0.472
BALU	185.350	0.472
BALU	186.000	0.472
BALU	186.650	0.472
BALU	187.300	0.472
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BALU	188.600	0.472
BALU	189.250	0.472
BALU	189.900	0.472
BALU	190.550	0.472
BALU	191.200	0.472
BALU	191.850	0.472
BALU	192.500	0.472
BALU	193.150	0.472
BALU	193.800	0.472
BALU	194.450	0.472
BALU	195.100	0.472
BALU	195.750	0.472
BALU	196.400	0.472
BALU	197.050	0.472
BALU	197.700	0.472
BALU	198.350	0.472
BALU	199.000	0.472
BALU	199.650	0.472
BALU	200.300	0.472
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BALU	223.700	0.472
BALU	224.350	0.472
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BALU	238.000	0.472
BALU	238.650	0.472
BALU	239.300	0.472
BALU	239.950	0.472
BALU	240.600	0.472
BALU	241.250	0.472
BALU	241.900	0.472
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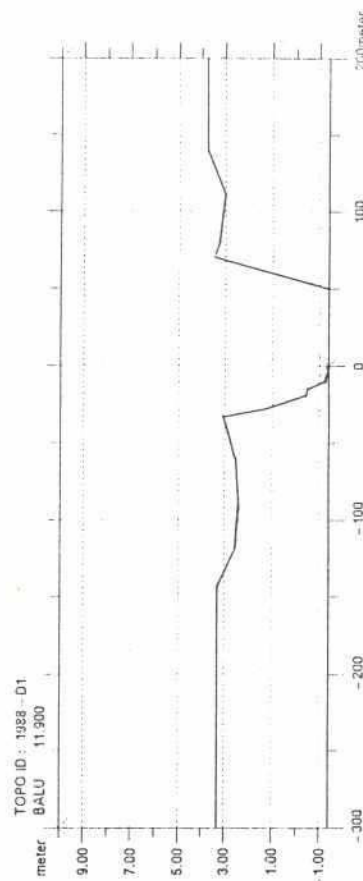
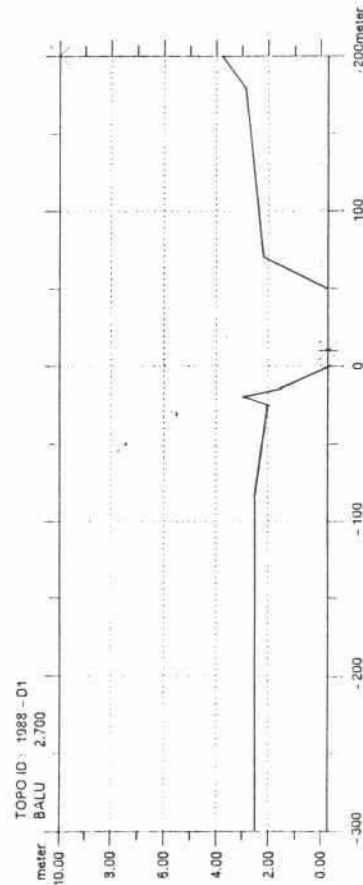
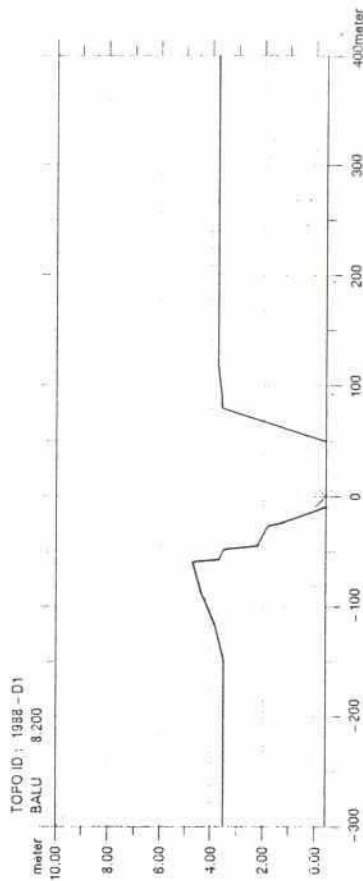
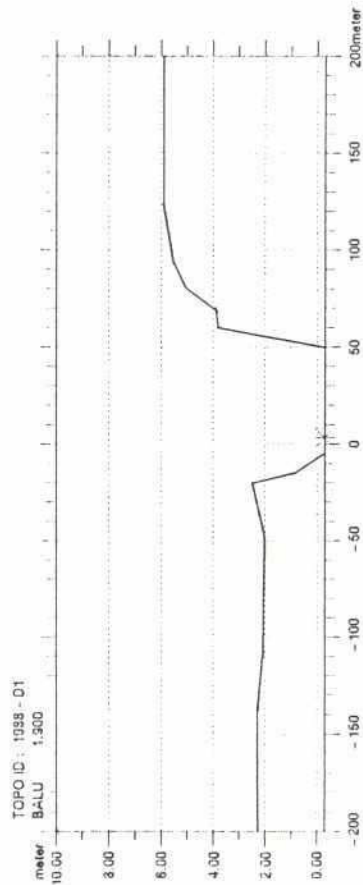
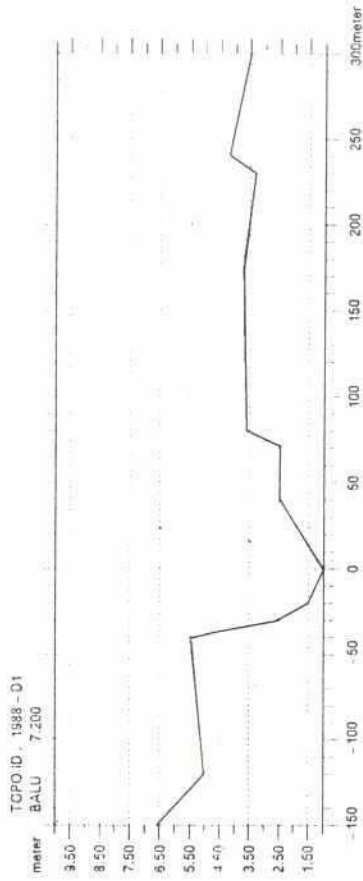
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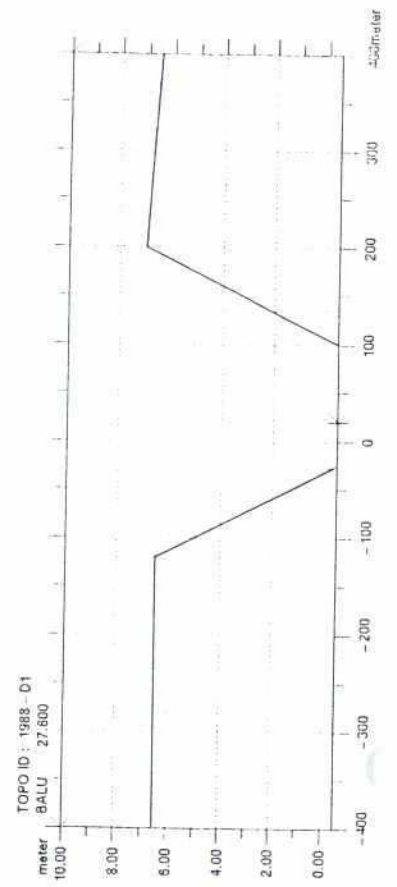
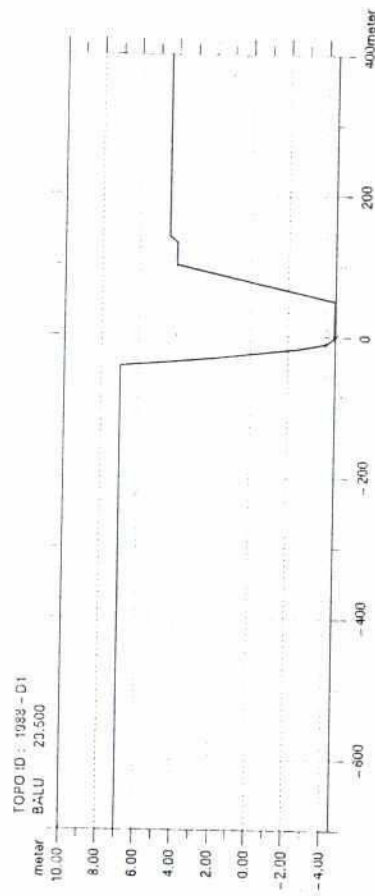
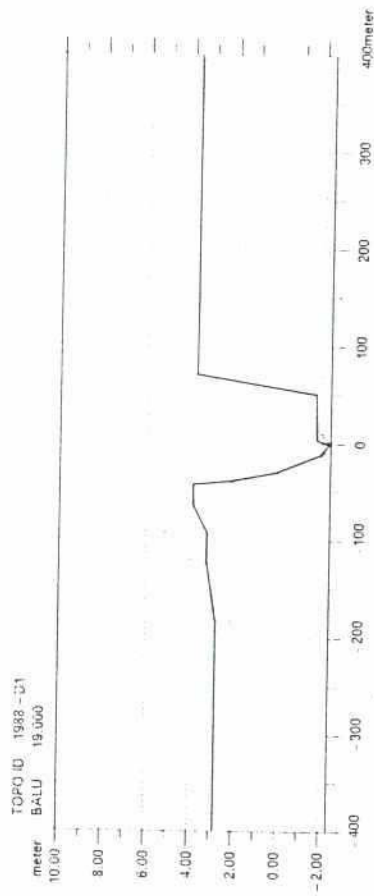
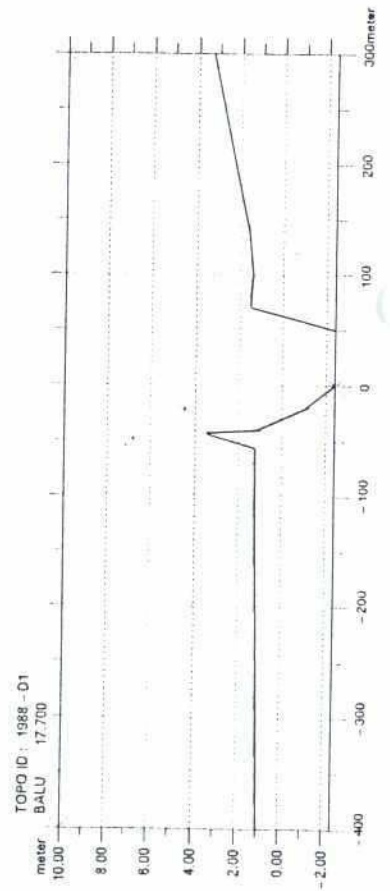
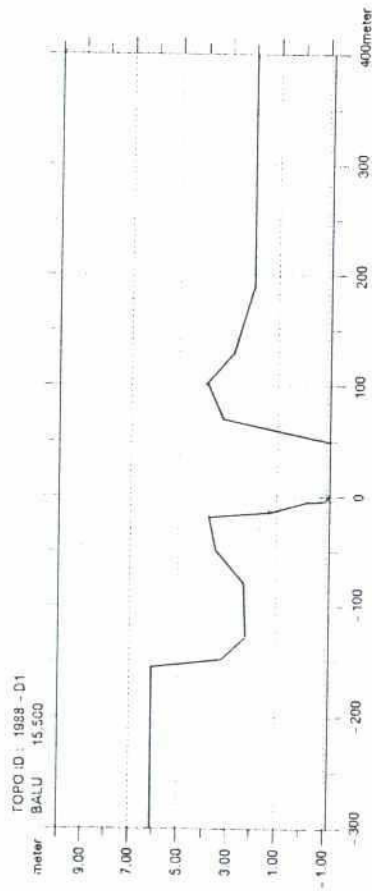
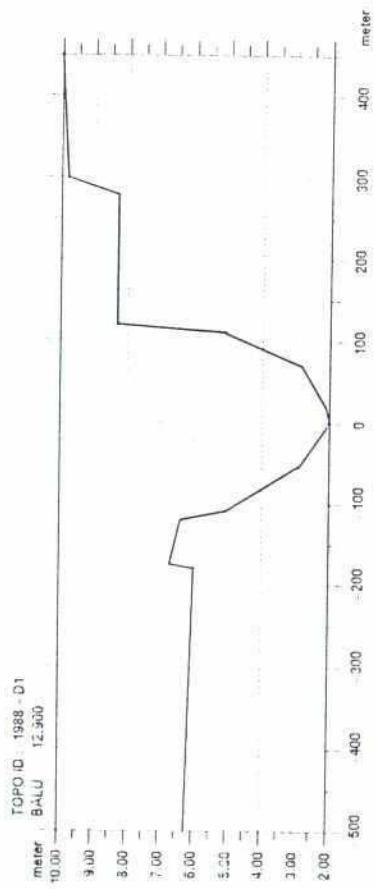
9.2 With River Dredging and Without Polder Dike/Wall

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

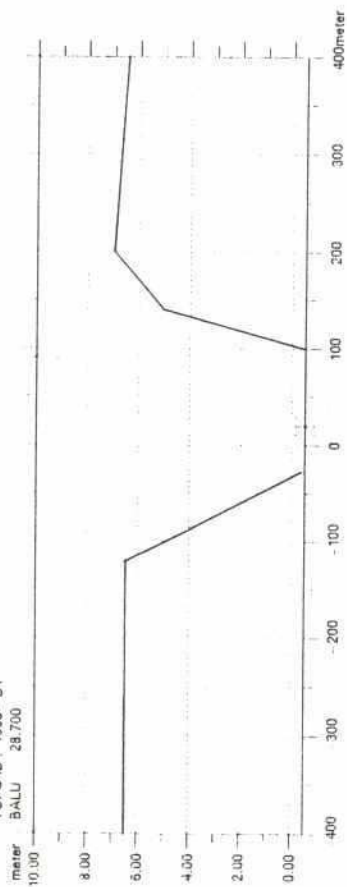
- | | |
|-------------------------------------|--|
| (1) River System : | Same as the condition of Without Flood Mitigation Project |
| (2) River Cross Section: | Taking into account the river dredging, input the revised river cross sections. |
| (3) Boundary Condition : | Boundary discharges, water level at Kalagachia(BWDB Sta.71) and rainfall ruoffs are same as the condition of Without Flood Mitigation Project. |
| (4) Manning's Roughness Coefficient | Same as the condition of Without Flood Mitigation Project |

12 Revised River Cross Sections

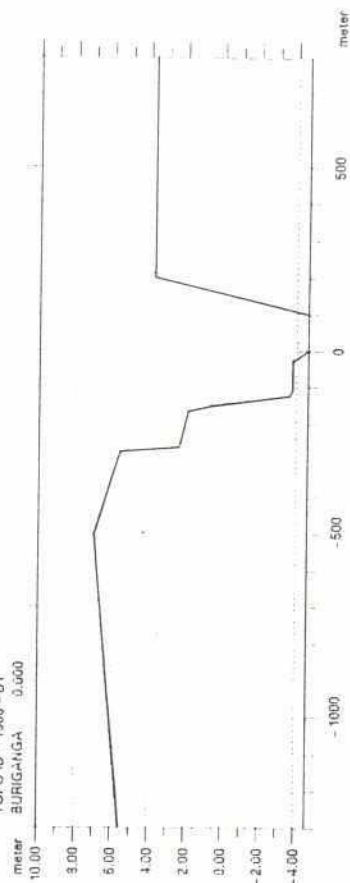




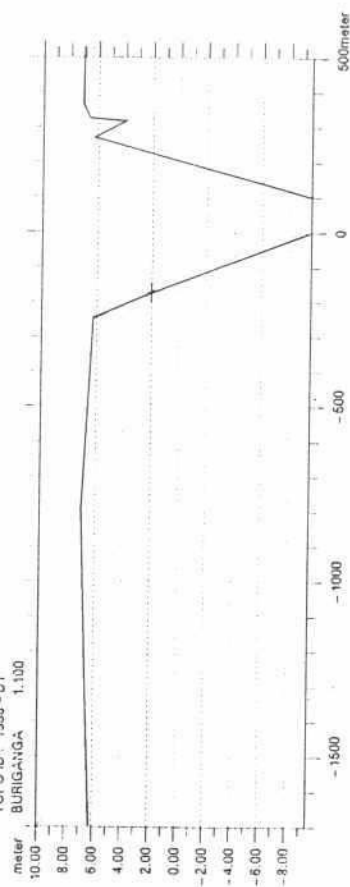
TOPO ID : 1988 - 01
BALU 28.700



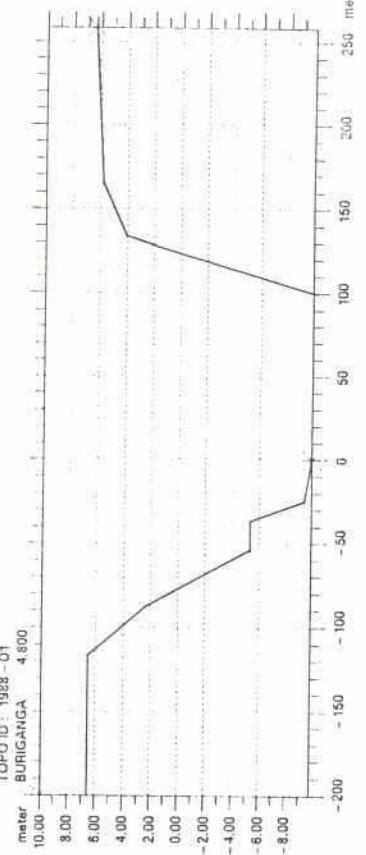
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BURIGANGA 0.000



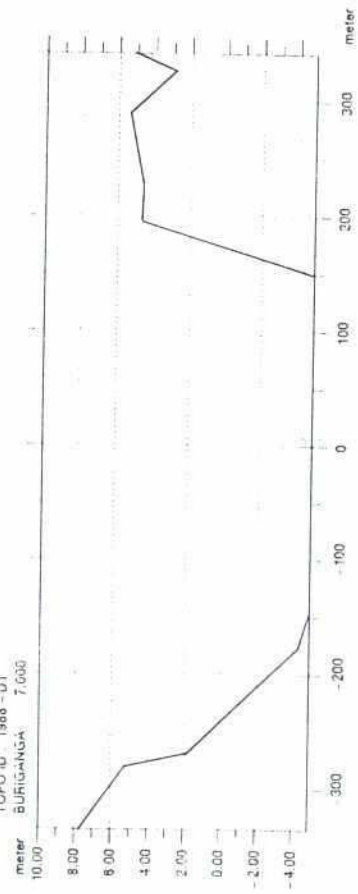
TOPO ID : 1988 - 01
BURIGANGA 1.100



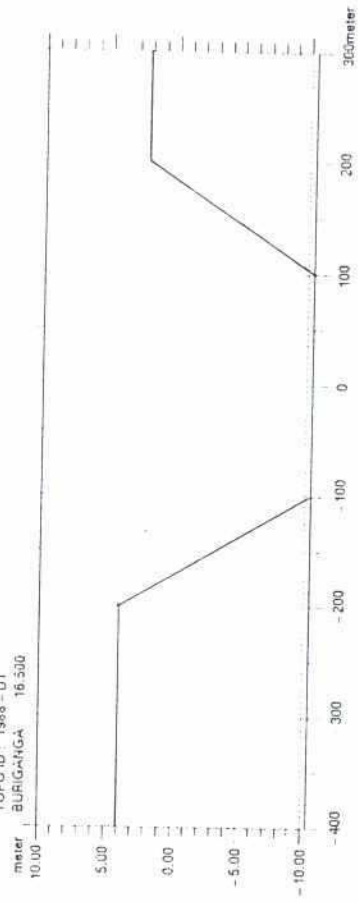
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BURIGANGA 4.800



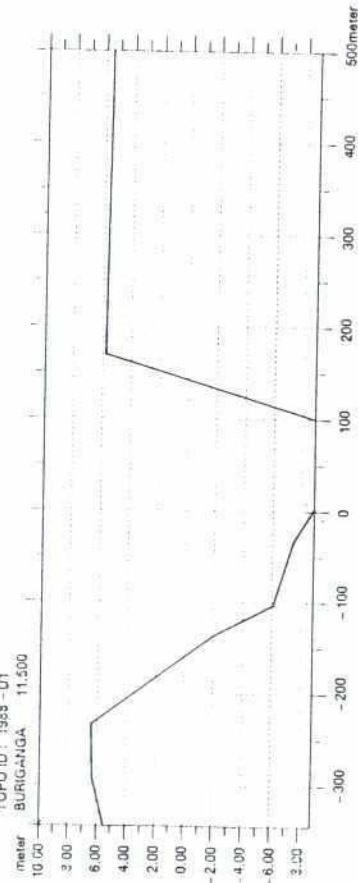
TOPO ID : 1988 - D1
BURIGANGA 7.000



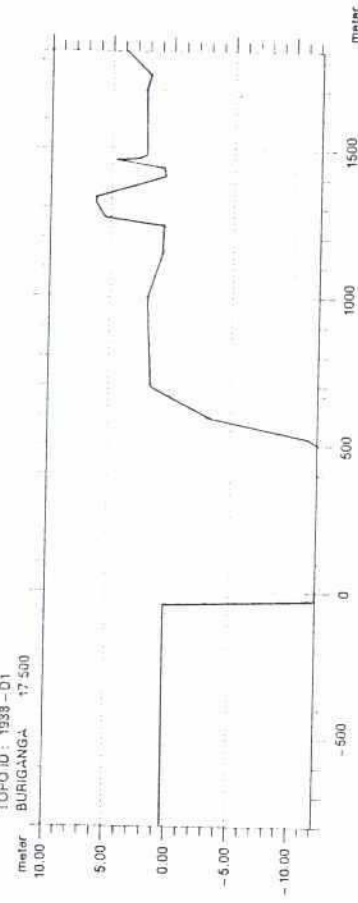
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BURIGANGA 16.500



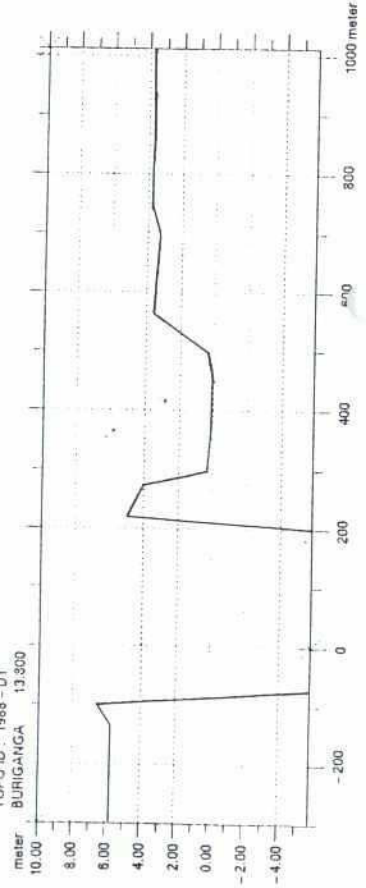
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BURIGANGA 11.500



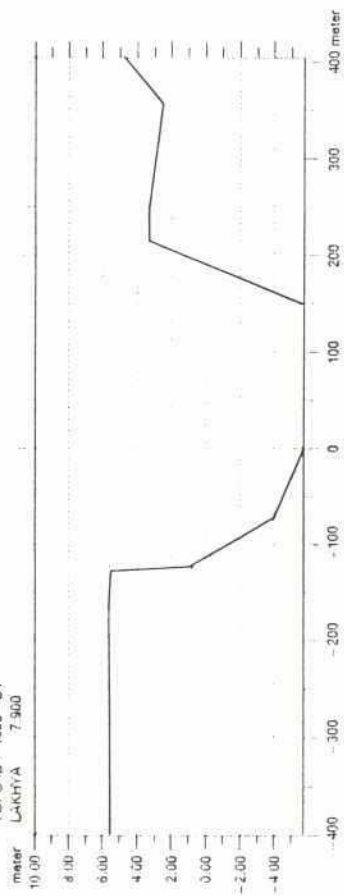
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BURIGANGA 17.500



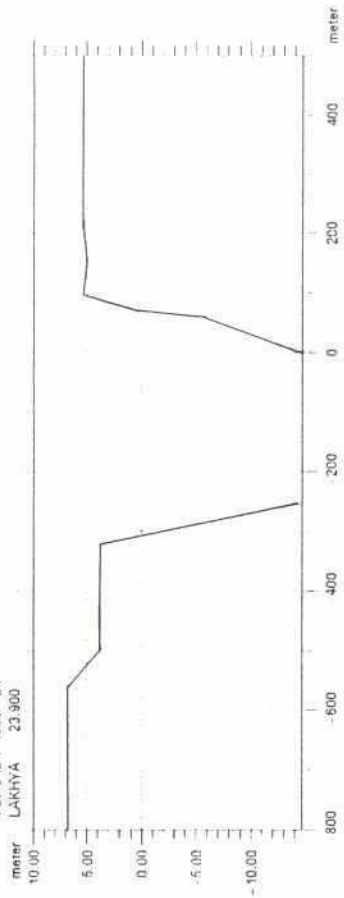
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BURIGANGA 13.800



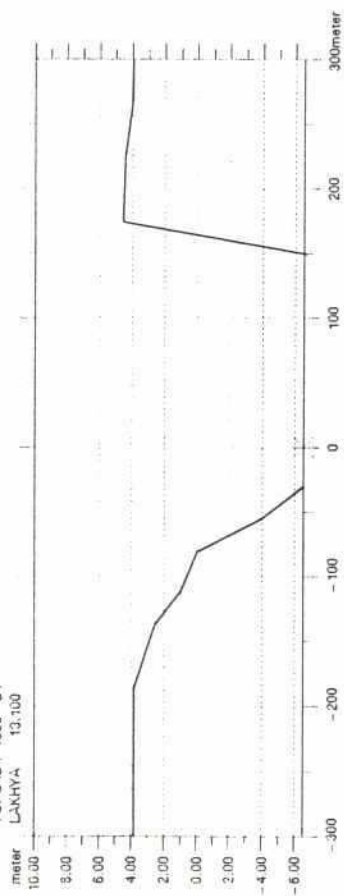
TOPO ID : 1988 - D1
LAKHYA 7 900



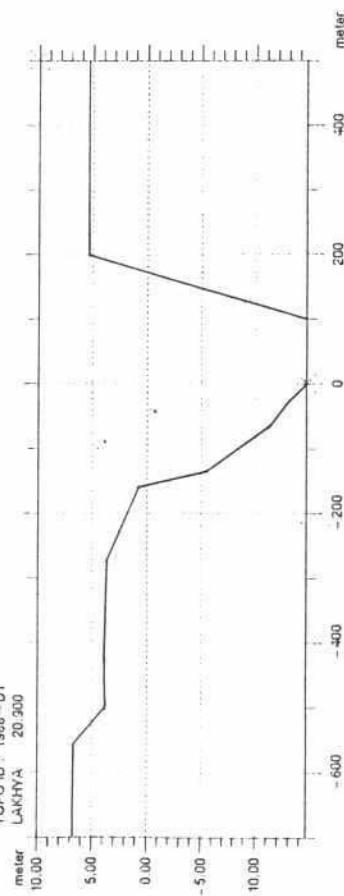
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LAKHYA 23 900



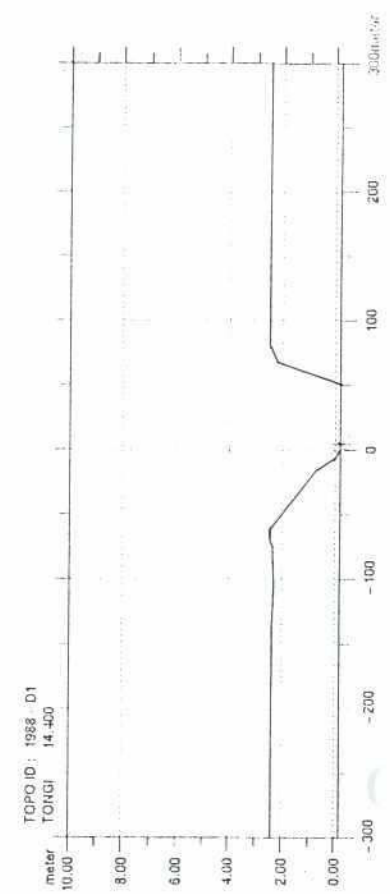
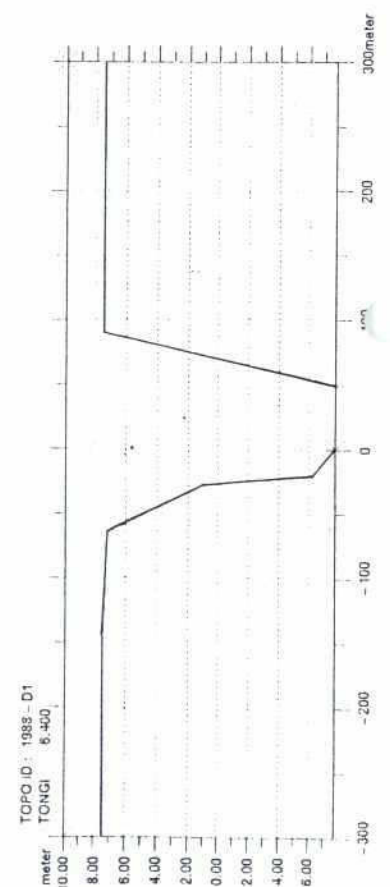
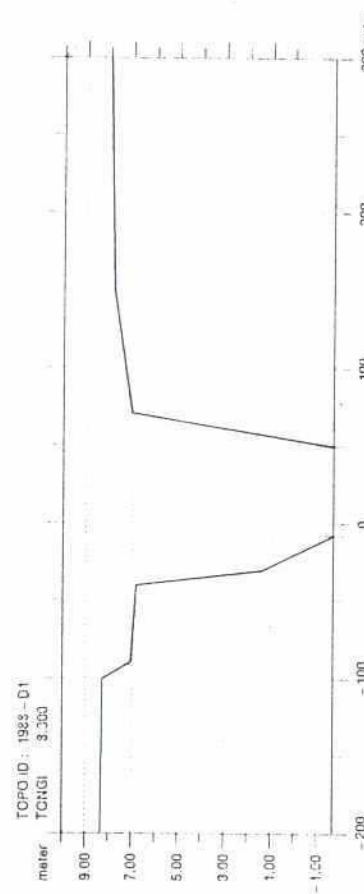
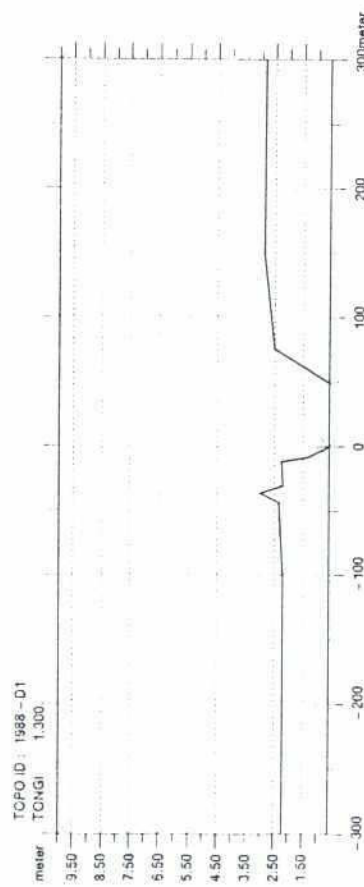
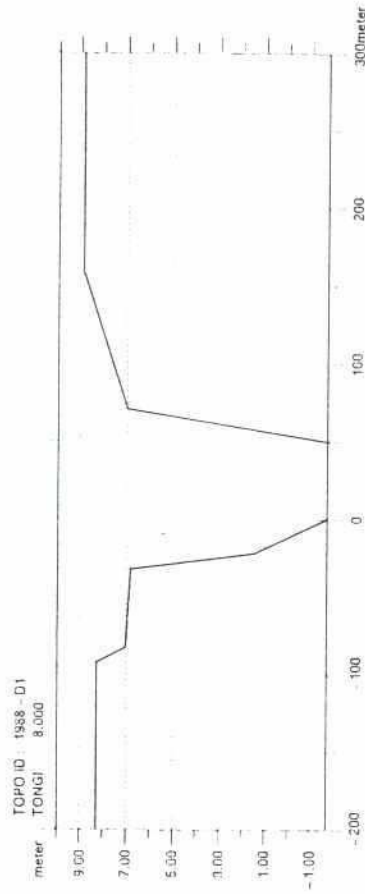
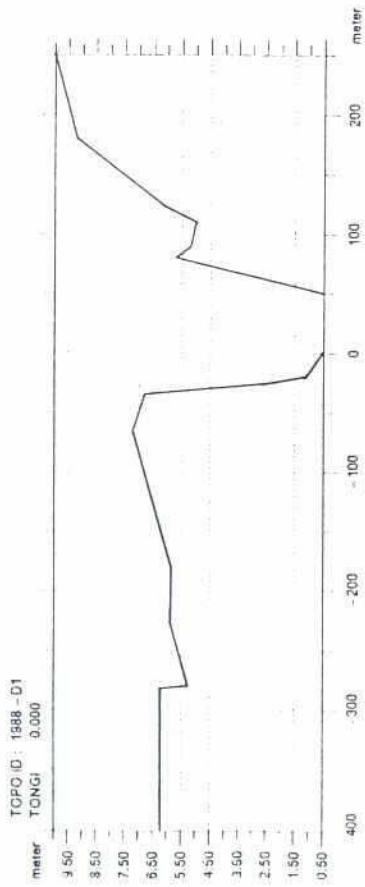
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LAKHYA 13 100

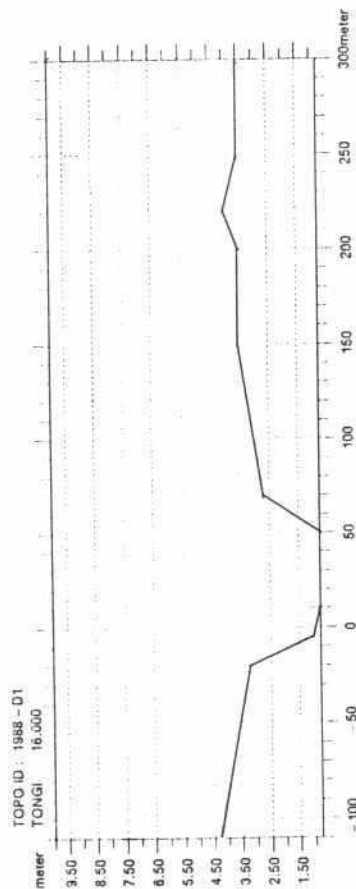
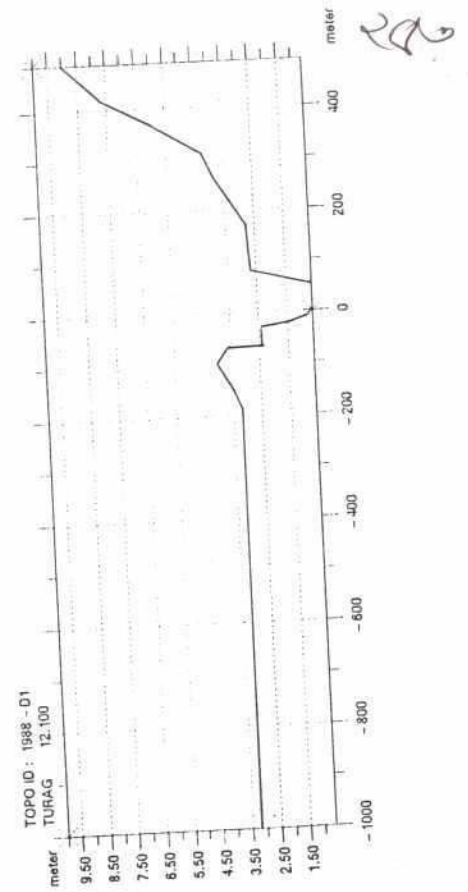
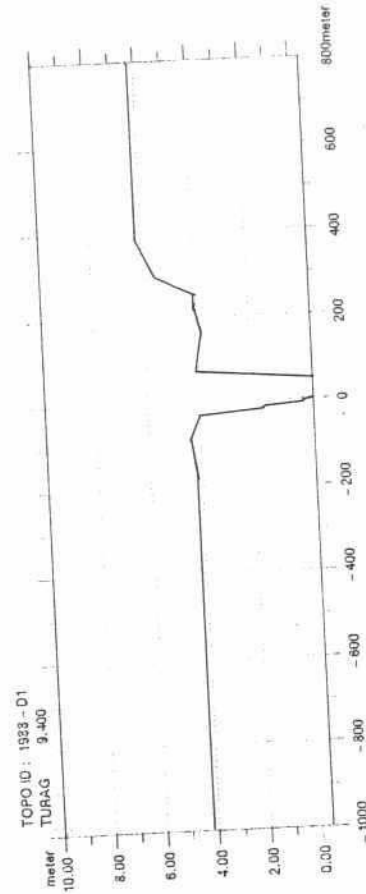
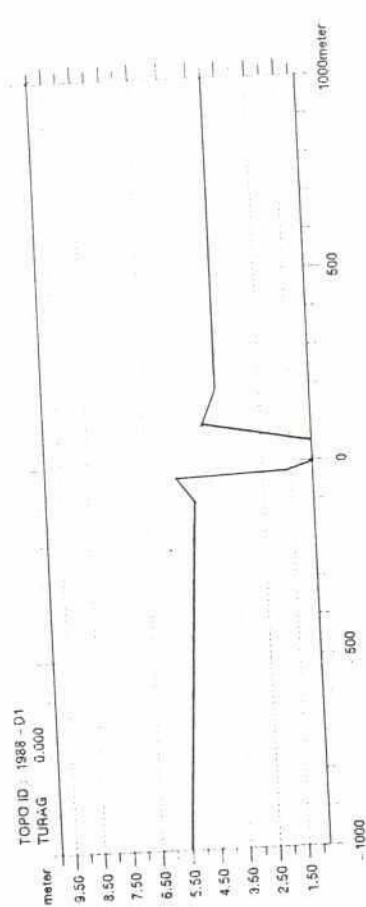


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LAKHYA 20 200

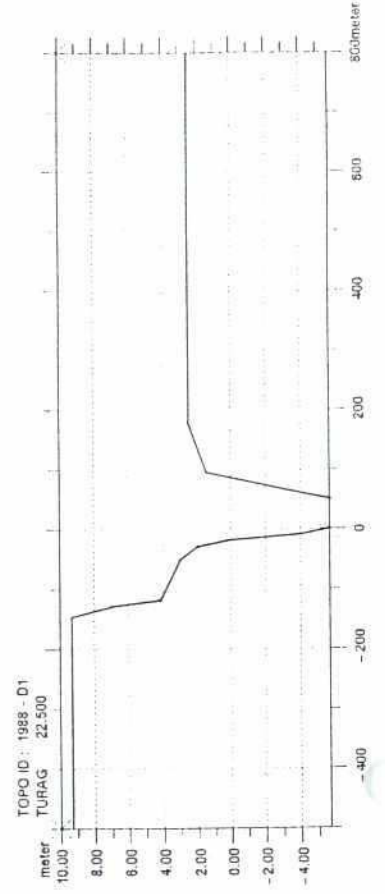
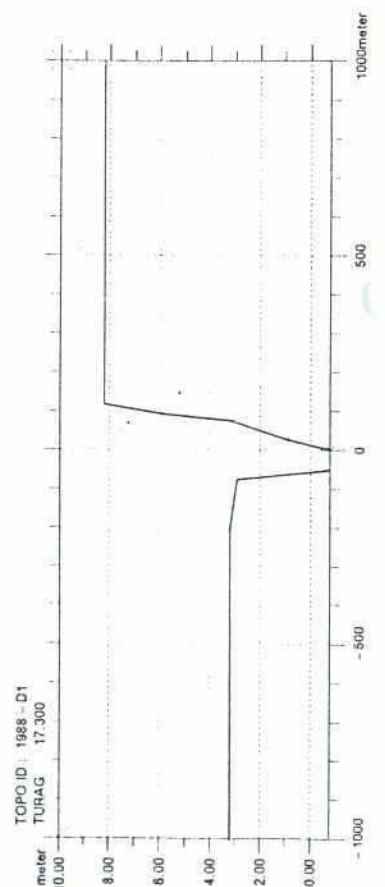
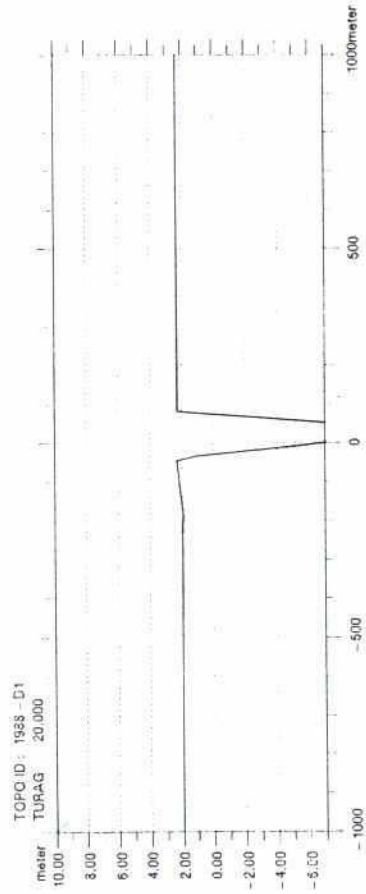
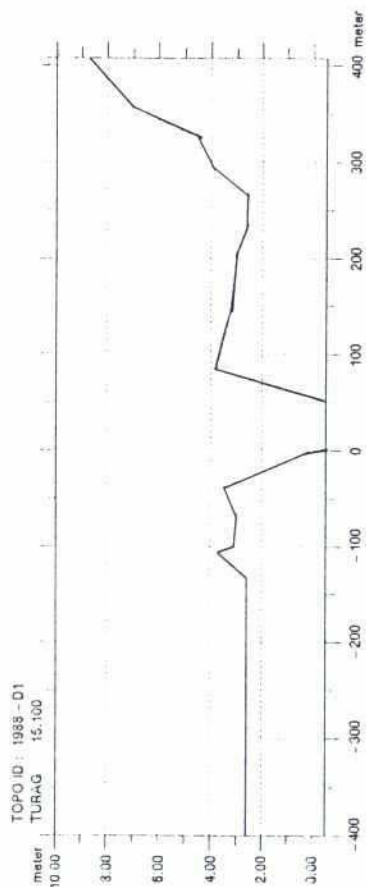
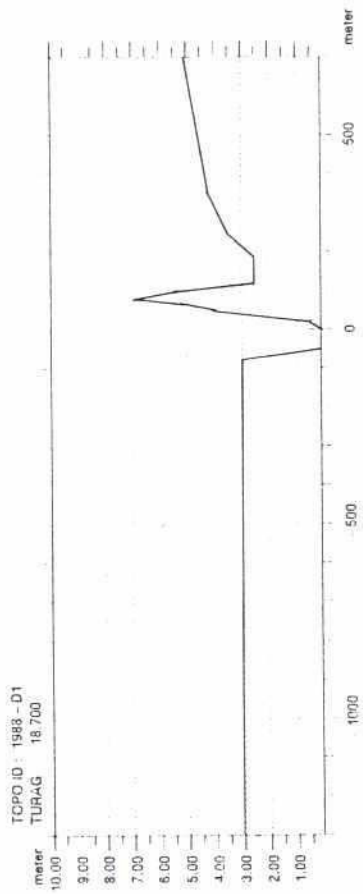
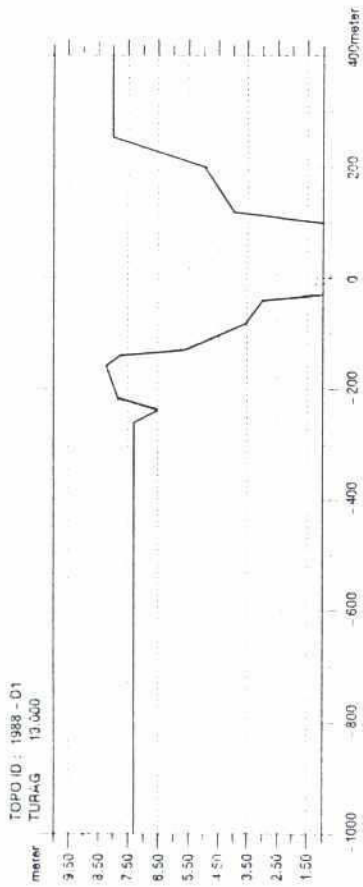


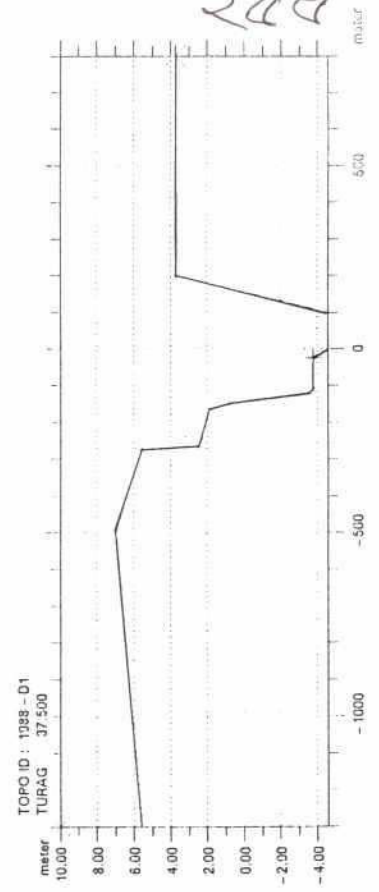
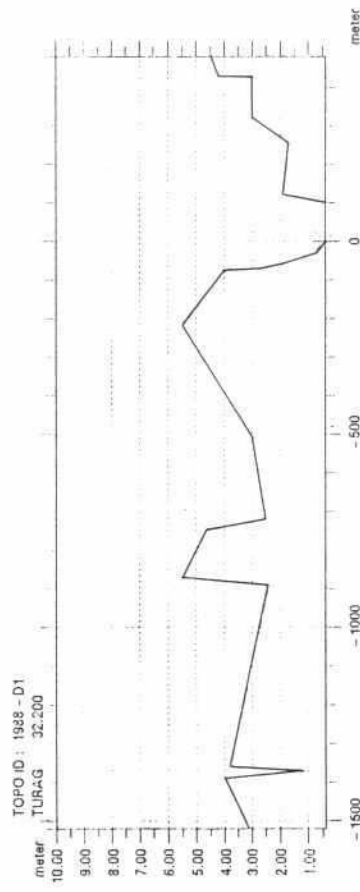
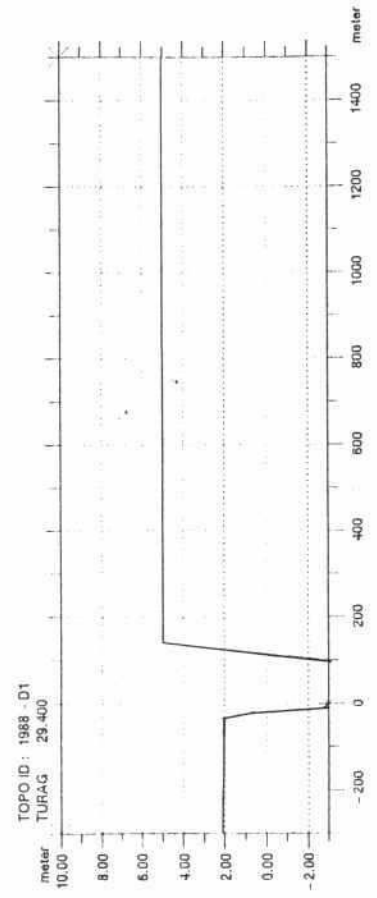
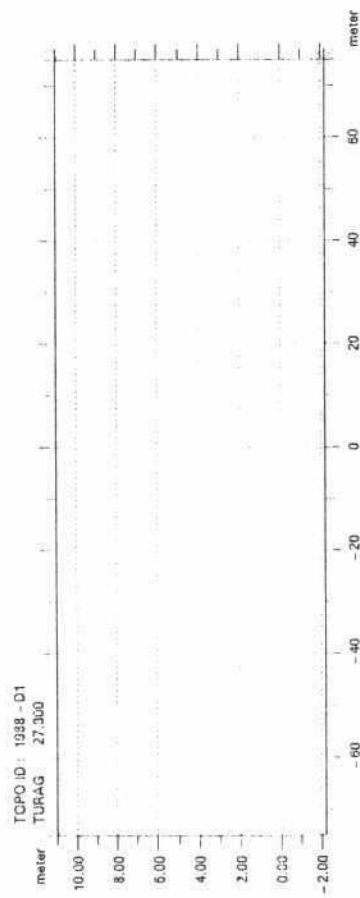
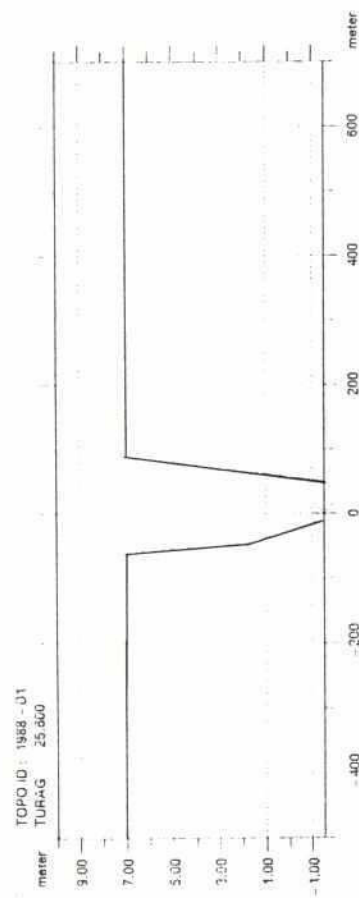
202





278





207

1988-D1
BALU

8.200

COORDINATES

1 90.167

23.871

FLOW DIRECTION

0

DATUM

0.00

PROFILE

23

-300.00	10.00	1.00	<1>
-300.00	3.50	3.33	
-150.00	3.50	3.33	
-120.00	3.80	3.33	
-90.00	1.35	3.33	
-60.00	4.75	3.33	
-58.00	3.70	1.00	
-48.00	3.50	1.00	
-44.00	2.20	1.00	
-26.00	1.80	1.00	
-24.00	4.25	1.00	
-15.00	0.20	1.00	
0.00	-0.40	1.00	<2>
4.00	-0.40	1.00	
15.00	-0.40	1.00	
17.00	-0.40	1.00	
25.00	-0.40	1.00	
50.00	-0.40	1.00	
80.00	3.60	1.00	
90.00	3.60	3.33	
120.00	3.75	3.33	
400.00	3.75	3.33	
100.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

$n_2/n_1 = 1.00$

$n_2/n_1 = 3.33$

1988-D1
BALU

11.900

COORDINATES

1 90.175

23.814

FLOW DIRECTION

0

DATUM

0.00

PROFILE

21

-300.00	10.00	1.00	
-300.00	3.30	3.33	
-113.00	3.30	3.33	
-118.00	2.50	3.33	
-93.00	2.10	3.33	
-63.00	2.50	3.33	
-33.00	3.10	3.33	
-28.00	1.30	1.00	
-19.00	-0.10	1.00	
-15.00	-0.50	1.00	
-10.00	-1.20	1.00	
0.00	-1.40	1.00	<2>
3.00	-1.40	1.00	
16.00	-1.40	1.00	
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22.00	-1.40	1.00	
24.00	-1.10	1.00	
50.00	-1.40	1.00	
70.00	3.50	1.00	
80.00	3.25	3.33	
111.00	3.00	3.33	
110.00	3.75	3.33	
200.00	3.75	3.33	
200.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

Note : n_1 : Manning's roughness coefficient of river channel
 n_2 : Manning's roughness coefficient of flood plain

1988-D1
BALU

12.900

COORDINATES

1 90.479

23.837

FLOW DIRECTION

0

DATUM

0.00

PROFILE

15

-500.00	10.00	1.00	<1>
-500.00	6.20	3.33	
-180.00	6.00	3.33	
-175.00	6.70	3.33	
-120.00	6.40	3.33	
-110.00	5.10	1.00	
-50.00	2.80	1.00	
0.00	2.00	1.00	<2>
20.00	2.10	1.00	
70.00	2.80	1.00	
110.00	5.10	1.00	
120.00	8.30	1.00	
280.00	8.30	3.33	
300.00	9.80	3.33	
450.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-D1
BALU

15.500

COORDINATES

1 90.188

23.821

FLOW DIRECTION

0

DATUM

0.00

PROFILE

21

-300.00	10.00	1.00	<1>
-300.00	6.10	3.33	
-155.00	6.10	3.33	
-118.00	3.25	3.33	
-128.00	2.25	3.33	
-80.00	2.30	3.33	
-50.00	3.50	3.33	
-19.00	3.80	3.33	
-15.00	1.50	1.00	
-5.00	-0.30	1.00	
-1.00	-1.00	1.00	
0.00	-1.15	1.00	<2>
15.00	-1.15	1.00	
38.00	-1.15	1.00	
50.00	-1.15	1.00	
70.00	3.25	1.00	
101.00	3.90	3.33	
130.00	2.80	3.33	
190.00	2.00	3.33	
300.00	2.00	3.33	
100.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

279

1988-D1
BALU
17.700
COORDINATES
1 90.186 23.802
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
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-14.00 3.50 3.33
-10.00 1.20 1.00
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45.00 -2.40 1.00
50.00 -2.40 1.00
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80.00 1.50 3.33
100.00 1.10 3.33
140.00 1.60 3.33
300.00 3.31 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-D1
BALU
19.000
COORDINATES
1 90.480 23.790
FLOW DIRECTION
0
DATUM
0.00
PROFILE 20
-100.00 10.00 1.00 1>
-100.00 2.80 3.33
-184.00 2.80 3.33
-121.00 3.20 3.33
-91.00 3.20 3.33
-61.00 3.90 3.33
-11.00 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 <2>
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16.00 -1.70 1.00
19.00 -1.70 1.00
50.00 -1.70 1.00
70.00 3.75 1.00
100.00 3.75 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-D1
BALU
23.500
COORDINATES
1 90.486 23.758
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
-700.00 10.00 1.00 <1>
-700.00 7.00 3.33
-54.00 7.00 3.33
-41.00 7.00 3.33
-34.00 2.90 1.00
-19.00 -2.30 1.00
-9.00 -4.10 1.00
0.00 -4.50 1.00 <2>
16.00 -4.50 1.00
36.00 -4.50 1.00
50.00 -4.50 1.00
100.00 4.00 1.00
131.00 4.00 3.33
141.00 4.40 3.33
400.00 4.40 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-D1
BALU
27.600
COORDINATES
1 90.500 23.731
FLOW DIRECTION
0
DATUM
0.00
PROFILE 10
-100.00 10.00 1.00 <1>
-100.00 6.51 3.33
-120.00 6.50 3.33
-25.00 -0.50 1.00
20.00 -0.50 1.00 <2>
75.00 -0.50 1.00
100.00 -0.50 1.00
200.00 7.00 1.00
400.00 6.50 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

204

1988-D1
BAIU

28.700

COORDINATES

1 90.501 23.730

FLOW DIRECTION

0

DATUM 0.00

PROFILE	11		
-100.00	10.00	1.00	<1>
-100.00	6.51	3.33	
-120.00	6.50	3.33	
-25.00	-0.50	1.00	
20.00	-0.50	1.00	<2>
75.00	-0.50	1.00	
100.00	-0.50	1.00	
110.00	5.00	1.00	
200.00	7.00	1.00	
400.00	6.50	3.33	
400.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

BURIGANGA

0.000

COORDINATES

1 90.318 23.712

FLOW DIRECTION

0

DATUM

0.00

PROFILE	18		
-1300.00	10.00	1.00	<1>
-1300.00	5.60	3.30	
-500.00	7.00	3.30	
-275.00	5.60	3.30	
-205.00	2.10	3.30	
-165.00	1.90	3.30	
-119.00	0.90	1.00	
-123.00	-3.60	1.00	
-105.00	-3.75	1.00	
-25.00	-3.75	1.00	
0.00	-1.60	1.00	<2>
30.00	-1.60	1.00	
50.00	-1.60	1.00	
70.00	-1.60	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>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
BURIGANGA

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	
-213.90	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	
359.75	7.08	3.30	
500.00	7.08	3.30	<3>
500.00	10.00	3.30	

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

BURIGANGA

4.800

COORDINATES

1 90.102 23.708

FLOW DIRECTION

0

DATUM

0.00

PROFILE	15		
-200.00	10.00	1.00	<1>
-200.00	6.56	3.33	
-117.07	6.56	3.33	
-87.80	2.33	1.00	
-53.66	-5.28	1.00	
-36.59	-5.28	1.00	
-21.95	-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	6.10	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

247

1988-D1
BURIGANGA
7.000
COORDINATES
1 90.418 23.698
FLOW DIRECTION
0
DATUM
0.00
PROFILE 16
-335.36 10.00 1.00 <1>
-335.36 7.69 3.33
-280.56 5.12 1.00
-268.29 1.82 1.00
-176.83 -4.26 1.00
-146.34 -4.87 1.00
0.00 -4.87 1.00 <2>
18.29 -4.87 1.00
60.98 -4.87 1.00
150.00 -4.87 1.00
195.12 -4.61 1.00
228.66 1.57 3.33
289.64 5.31 3.33
326.22 2.91 3.33
341.16 5.18 3.33
341.16 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
BURIGANGA
11.500
COORDINATES
1 90.451 23.669
FLOW DIRECTION
0
DATUM
0.00
PROFILE 14
-314.51 10.00 1.00 <1>
-314.51 5.54 3.33
-292.69 6.34 3.33
-234.76 6.43 3.33
-138.72 -1.82 1.00
-102.14 -6.10 1.00
-29.88 -7.56 1.00
0.00 -8.84 1.00 <2>
66.77 -8.84 1.00
100.00 -8.84 1.00
170.00 5.75 1.00
154.27 5.52 3.33
500.00 5.52 3.33
500.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
BURIGANGA
13.800
COORDINATES
1 90.465 23.652
FLOW DIRECTION
0
DATUM
0.00
PROFILE 22
-300.00 10.00 1.00 <1>
-300.00 5.74 3.33
-134.00 5.74 3.33
-98.17 6.61 3.33
-73.17 -5.85 1.00
0.00 -5.85 1.00 <2>
48.78 -5.85 1.00
73.17 -5.85 1.00
200.00 -5.85 1.00
220.00 5.00 1.00
271.39 4.05 3.33
298.78 0.31 3.33
371.95 0.10 3.33
445.12 0.03 3.33
500.00 0.41 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>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
BURIGANGA
16.500
COORDINATES
1 90.468 23.633
FLOW DIRECTION
0
DATUM
0.00
PROFILE 9
-400.00 10.00 1.00 <1>
-400.00 4.00 1.00
-200.00 4.00 3.33
-100.50 -10.40 3.33
0.00 -10.40 1.00
100.00 -10.40 1.00 <2>
200.00 2.20 1.00
300.00 2.20 1.00
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

BURIGANGA

17.500

COORDINATES

1 90.158

23.629

FLOW DIRECTION

0

DATUM

0.00

PROFILE

29

-800.00	10.00	1.00	<1>
-800.00	0.33	3.33	
-12.68	0.33	3.33	
-27.68	-12.10	1.00	
0.00	-12.16	1.00	<2>
6.10	-12.16	1.00	
67.07	-12.16	1.00	
365.86	-12.16	1.00	
500.00	-12.16	1.00	
518.29	-11.55	1.00	
591.76	-13.01	1.00	
692.26	1.55	1.00	
908.53	1.85	3.33	
993.90	1.92	3.33	
1146.34	0.80	3.33	
1243.90	0.64	3.33	
1268.29	5.57	3.33	
1310.97	6.22	3.33	
1335.36	6.25	3.33	
1408.53	0.57	3.33	
1438.93	0.70	3.33	
1463.41	4.93	3.33	
1469.51	2.77	3.33	
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	4.03	3.33	
1835.36	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

LAKHYA

7.900

COORDINATES

1 90.327

23.695

FLOW DIRECTION

0

DATUM

0.00

PROFILE

19

-100.00	10.00	1.00	<1>
-100.00	5.55	3.33	
-209.15	5.55	3.33	
-171.39	5.58	3.33	
-127.13	5.52	3.33	
-122.25	0.71	1.00	
-71.08	-3.86	1.00	
-29.27	-5.08	1.00	
0.00	-5.69	1.00	<2>
36.28	-5.69	1.00	
103.97	-5.69	1.00	
131.71	-5.69	1.00	
150.00	-5.69	1.00	
214.03	3.30	1.00	
217.87	3.30	3.33	
308.24	2.84	3.33	
355.19	2.16	3.33	
404.71	1.73	3.33	
404.71	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

LAKHYA

13.100

COORDINATES

1 90.523

23.654

FLOW DIRECTION

0

DATUM

0.00

PROFILE

20

-300.00	10.00	1.00	<1>
-300.00	3.84	3.33	
-186.28	3.84	3.33	
-135.37	2.47	1.00	
-113.62	1.13	1.00	
-79.88	-0.09	1.00	
-56.71	-3.75	1.00	
-28.96	-6.49	1.00	
0.00	-6.19	1.00	<2>
24.39	-6.49	1.00	
54.27	-6.49	1.00	
93.29	-6.49	1.00	
118.60	-6.49	1.00	
138.11	-6.49	1.00	
150.00	-6.49	1.00	
174.39	4.57	1.00	
225.00	4.45	3.33	
269.81	3.96	3.33	
300.00	3.96	3.33	
300.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1

LAKHYA

20.900

COORDINATES

1 90.515

23.585

FLOW DIRECTION

0

DATUM

0.00

PROFILE

22

-700.00	10.00	1.00	<1>
-700.00	6.71	3.33	
-558.84	6.71	3.33	
-197.25	3.74	3.33	
-154.88	3.89	3.33	
-307.32	3.75	3.33	
-271.39	3.59	3.33	
-228.66	2.52	3.33	
-159.15	0.62	1.00	
-136.58	-5.48	1.00	
-61.59	-11.58	1.00	
-35.06	-12.59	1.00	
0.00	-14.63	1.00	<2>
41.16	-14.63	1.00	
60.67	-14.63	1.00	
72.56	-14.63	1.00	
94.51	-14.63	1.00	
100.00	-14.63	1.00	
200.00	5.30	1.00	
242.07	5.37	3.33	
500.00	5.37	3.33	
500.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

242

1988-D1
LAKHYA

23.900
COORDINATES
1 90.537 23.568
FLOW DIRECTION
0
DATUM
0.00
PROFILE 22
-800.00 10.00 1.00 <1>
-800.00 6.71 3.33
-558.84 6.71 3.33
-197.25 3.74 3.33
-151.88 3.89 3.33
-320.00 3.75 3.33
-250.00 -11.63 1.00
-228.66 -14.63 1.00
-159.15 -11.63 1.00
-136.58 -14.63 1.00
-61.59 -14.63 1.00
-35.06 -14.63 1.00
0.00 -11.63 1.00 <2>
41.16 -8.53 1.00
60.67 -5.48 1.00
72.56 0.62 1.00
91.51 5.37 1.00
157.32 5.02 3.33
208.67 5.30 3.33
242.07 5.37 3.33
500.00 5.37 3.33
500.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TONGI

0.000
COORDINATES
1 90.358 23.879
FLOW DIRECTION
0
DATUM
0.00
PROFILE 23
-100.00 10.00 1.00 <1>
-100.00 6.20 3.33
-282.00 6.20 3.33
-280.00 5.30 3.33
-225.00 5.90 3.33
-180.00 5.85 3.33
-65.00 7.20 3.33
-31.00 6.80 3.33
-26.00 2.50 1.00
-20.00 1.20 1.00
0.00 0.50 1.00 <2>
11.00 0.50 1.00
23.00 0.50 1.00
28.00 0.50 1.00
13.00 0.50 1.00
15.00 0.50 1.00
50.00 0.50 1.00
80.00 5.70 1.00
90.00 5.20 3.33
110.00 5.00 3.33
125.00 6.20 3.33
180.00 9.20 3.33
250.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TONGI

1.300
COORDINATES
1 90.361 23.883
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-300.00 10.00 1.00 <1>
-300.00 2.20 3.33
-104.00 2.20 3.33
-44.00 2.35 3.33
-37.00 3.00 3.33
-31.00 2.20 3.33
-12.00 2.25 3.33
-8.00 1.20 1.00
0.00 0.60 1.00 <2>
4.00 0.60 1.00
7.00 0.60 1.00
14.00 0.60 1.00
50.00 0.60 1.00
74.00 2.50 1.00
148.00 2.90 3.33
206.00 2.90 3.33
300.00 2.90 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TONGI

6.100
COORDINATES
1 90.391 23.887
FLOW DIRECTION
0
DATUM
0.00
PROFILE 11
-300.00 10.00 1.00 <1>
-300.00 7.50 3.33
-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 -7.80 1.00
20.00 -7.80 1.00
50.00 -7.80 1.00
90.00 7.50 1.00
105.00 7.50 3.33
300.00 7.50 3.33
300.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

252

1988-D1
TONGI

8.000

COORDINATES

1 90.105 23.881

FLOW DIRECTION

0

DATUM

0.00

PROFILE

15

-200.00	10.00	1.00	<1>
-200.00	8.30	3.33	
-192.00	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>
18.00	-1.70	1.00	
12.00	-1.70	1.00	
50.00	-1.70	1.00	
70.00	7.00	1.00	
158.00	8.90	3.33	
300.00	8.90	3.33	
300.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-D1
TONGI

8.300

COORDINATES

1 90.406 23.879

FLOW DIRECTION

0

DATUM

0.00

PROFILE

11

-200.00	10.00	1.00	<1>
-200.00	8.31	3.33	
-100.00	8.35	3.33	
-90.00	7.60	3.33	
-40.00	6.80	3.33	
-31.00	1.50	1.00	
-8.00	-1.70	1.00	<2>
10.00	-1.70	1.00	
33.00	-1.70	1.00	
50.00	-1.70	1.00	
70.00	7.00	1.00	
150.00	7.80	3.33	
300.00	8.00	3.33	
300.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-D1
TONGI

14.400

COORDINATES

1 90.158 23.892

FLOW DIRECTION

0

DATUM

0.00

PROFILE

20

-300.00	10.00	1.00	<1>
-300.00	2.40	3.33	
-138.00	2.40	3.33	
-108.00	2.30	3.33	
-78.00	2.35	3.33	
-68.00	2.50	3.33	
-62.00	2.50	3.33	
-38.00	1.60	1.00	
-16.00	0.75	1.00	
-6.00	-0.05	1.00	
-2.00	-0.10	1.00	
0.00	-0.20	1.00	
1.00	-0.20	1.00	<2>
29.00	-0.20	1.00	
34.00	-0.20	1.00	
50.00	-0.20	1.00	
68.00	2.20	1.00	
79.00	2.50	3.33	
300.00	2.50	3.33	
300.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

1988-D1
TONGI

16.000

COORDINATES

1 90.161 23.886

FLOW DIRECTION

0

DATUM

0.00

PROFILE

11

-110.00	10.00	1.00	<1>
-110.00	1.30	3.33	
-20.00	3.20	3.33	
-5.00	1.00	1.00	
10.00	0.80	1.00	<2>
25.00	0.80	1.00	
50.00	0.80	1.00	
70.00	2.70	1.00	
150.00	3.50	1.00	
200.00	3.50	3.33	
220.00	4.00	3.33	
250.00	3.50	3.33	
300.00	3.50	3.33	
300.00	10.00	3.33	<3>

$n_1 = 0.030$

$n_2 = 0.100$

206

1988-D1
TURAG
0.000
COORDINATES
1 90.373 23.976
FLOW DIRECTION
0
DATUM
0.00
PROFILE 12
-1000.00 10.00 1.00 <1>
-1000.00 5.51 3.33
-100.00 4.90 3.33
-35.00 5.50 3.33
-28.00 1.80 1.00
0.00 0.80 1.00 <2>
28.00 0.80 1.00
50.00 0.80 1.00
100.00 4.50 1.00
190.00 4.00 3.33
1000.00 4.00 3.33
1000.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG
9.100
COORDINATES
1 90.338 23.915
FLOW DIRECTION
0
DATUM
0.00
PROFILE 21
-1000.00 10.00 1.00 <1>
-1000.00 1.20 3.33
-182.00 1.20 3.33
-82.00 1.40 3.33
-30.00 1.00 3.33
-20.00 1.55 1.00
-12.00 1.10 1.00
-10.00 0.25 1.00
0.00 -0.10 1.00 <2>
18.00 -0.10 1.00
28.00 -0.10 1.00
50.00 -0.10 1.00
70.00 4.10 1.00
104.00 4.00 3.33
163.00 3.80 3.33
222.00 4.05 3.33
252.00 4.10 3.33
292.00 5.50 3.33
381.00 6.20 3.33
800.00 6.20 3.33
800.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG
12.100
COORDINATES
1 90.338 23.894
FLOW DIRECTION
0
DATUM
0.00
PROFILE 21
-1000.00 10.00 1.00 <1>
-1000.00 3.20 3.33
-190.00 3.20 3.33
-160.00 3.40 3.33
-130.00 3.70 3.33
-100.00 4.00 3.33
-70.00 3.60 3.33
-66.00 2.40 3.33
-30.00 2.40 3.33
-22.00 1.60 1.00
-10.00 0.80 1.00
0.00 0.60 1.00 <2>
50.00 0.60 1.00
80.00 2.70 1.00
170.00 2.80 3.33
260.00 3.80 3.33
310.00 4.25 3.33
370.00 6.00 3.33
420.00 7.75 3.33
490.00 9.00 3.33
490.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG
13.000
COORDINATES
1 90.312 23.892
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-1000.00 10.00 1.00 <1>
-1000.00 7.31 3.33
-260.00 7.30 3.33
-210.00 6.50 3.33
-220.00 7.80 3.33
-160.00 8.20 3.33
-110.00 7.80 3.33
-130.00 5.50 1.00
-80.00 3.50 1.00
-10.00 3.00 1.00
-30.00 1.00 1.00
-10.00 1.00 1.00 <2>
100.00 1.00 1.00
120.00 4.00 1.00
200.00 5.00 1.00
250.00 8.00 1.00
400.00 8.00 3.33
400.00 10.00 3.33 <3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG
15.100
COORDINATES
1 90.353 23.875
FLOW DIRECTION
0
DATUM
0.00
PROFILE 21
-400.00 10.00 1.00 <1>
-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 <2>
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>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-D1
TURAG
17.300
COORDINATES
1 90.318 23.857
FLOW DIRECTION
0
DATUM
0.00
PROFILE 14
-1000.00 10.00 1.00 <1>
-1000.00 3.20 3.33
-326.00 3.20 3.33
-201.00 3.20 3.33
-80.00 2.90 3.33
-50.00 -0.80 1.00
0.00 -0.80 1.00 <2>
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 <3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-D1
TURAG
18.700
COORDINATES
1 90.340 23.846
FLOW DIRECTION
0
DATUM
0.00
PROFILE 18
-1300.00 10.00 1.00 <1>
-1300.00 3.01 3.33
-80.00 3.00 3.33
-50.00 0.10 1.00
-25.00 0.10 1.00
-15.00 0.10 1.00
0.00 0.10 1.00 <2>
15.00 0.50 1.00
15.00 1.00 1.00
63.00 5.10 3.33
75.00 7.00 3.33
98.00 5.00 3.33
115.00 2.50 3.33
180.00 2.50 3.33
242.00 3.50 3.33
345.00 4.20 3.33
700.00 5.10 3.33
700.00 10.00 3.33 <3>

$n_1 = 0.030$
 $n_2 = 0.100$

1988-D1
TURAG
20.000
COORDINATES
1 90.312 23.837
FLOW DIRECTION
0
DATUM
0.00
PROFILE 17
-1000.00 10.00 1.00 <1>
-1000.00 2.00 3.33
-250.00 2.00 3.33
-190.00 1.90 3.33
-126.00 2.10 3.33
-45.00 2.30 3.33
-33.00 0.80 1.00
-20.00 -2.90 1.00
-12.00 -5.10 1.00
0.00 -7.00 1.00 <2>
10.00 -7.00 1.00
50.00 -7.00 1.00
80.00 2.30 1.00
103.00 2.30 3.33
150.00 2.30 3.33
1000.00 2.30 3.33
1000.00 10.00 3.33 <3>

$n_1 = 0.030$
 $n_2 = 0.100$

209

1988-D1
TURAG 22.500
COORDINATES 1 90.340 23.821
FLOW DIRECTION 0
DATUM 0.00
PROFILE 22
-500.00 10.00 1.00 <1>
-500.00 9.30 3.33
-115.00 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>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-D1
TURAG 25.600
COORDINATES 1 90.343 23.797
FLOW DIRECTION 0
DATUM 0.00
PROFILE 15
-500.00 10.00 1.00 <1>
-500.00 7.01 3.33
-312.00 7.01 3.33
-82.00 7.00 3.33
-62.00 7.00 3.33
-47.00 1.80 1.00
-12.00 -1.50 1.00
0.00 -1.50 1.00 <2>
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>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

1988-D1
TURAG 27.300
COORDINATES 1 90.340 23.783
FLOW DIRECTION 0
DATUM 0.00
PROFILE 5
-75.00 11.00 1.00 <1>
-75.00 -2.20 1.00
0.00 -2.20 1.00
75.00 -2.20 1.00 <2>
75.00 11.00 1.00 <3>

$\eta_1 = 0.030$

1988-D1
TURAG 29.100
COORDINATES 1 90.346 23.770
FLOW DIRECTION 0
DATUM 0.00
PROFILE 15
-300.00 10.00 1.00 <1>
-300.00 2.11 3.33
-100.00 2.10 3.33
-34.00 2.10 3.33
-23.00 0.90 1.00
-10.00 -2.70 1.00
0.00 -3.00 1.00 <2>
17.00 -3.00 1.00
20.00 -3.00 1.00
33.00 -3.00 1.00
84.00 -3.00 1.00
100.00 -3.00 1.00
110.00 5.00 1.00
1500.00 5.01 3.33
1500.00 10.00 3.33 <3>

$\eta_1 = 0.030$
 $\eta_2 = 0.100$

243
1988-D1
TURAG

31.700

COORDINATES

1 90.333

23.753

FLOW DIRECTION

0

DATUM

0.00

PROFILE

18

-505.00	10.00	1.00	<1>
-505.00	3.51	3.33	
-185.00	3.50	1.00	
-95.00	3.48	1.00	
-55.00	-1.20	1.00	
-5.00	-2.55	1.00	
0.00	-2.70	1.00	<2>
21.00	-2.70	1.00	
41.00	-2.70	1.00	
100.00	-2.70	1.00	
130.00	2.70	1.00	
180.00	2.70	3.33	
240.00	3.55	3.33	
280.00	3.60	3.33	
361.00	5.00	3.33	
505.00	5.25	3.33	
1500.00	5.25	3.33	
1500.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG

32.200

COORDINATES

1 90.333

23.719

FLOW DIRECTION

0

DATUM

0.00

PROFILE

21

-1520.00	10.00	1.00	<1>
-1520.00	3.10	3.33	
-1390.00	1.00	3.33	
-1370.00	1.00	3.33	
-1360.00	3.80	3.33	
-890.00	2.40	3.33	
-870.00	5.50	3.33	
-745.00	4.60	3.33	
-720.00	2.50	3.33	
-510.00	3.00	3.33	
-220.00	5.50	3.33	
-75.00	1.00	3.33	
-70.00	2.80	1.00	
-60.00	2.00	1.00	
-30.00	0.70	1.00	
0.00	0.40	1.00	<2>
100.00	0.40	1.00	
120.00	1.90	1.00	
255.00	1.70	1.00	
320.00	3.00	1.00	
430.00	3.00	1.00	
430.00	4.20	1.00	
480.00	1.50	3.33	
480.00	10.00	3.33	<3>

$\eta_1 = 0.030$

$\eta_2 = 0.100$

1988-D1
TURAG

37.500

COORDINATES

1 90.348

23.712

FLOW DIRECTION

0

DATUM

0.00

PROFILE

18

-1300.00	10.00	1.00	<1>
-1300.00	5.60	3.30	
-500.00	7.00	3.30	
-275.00	5.60	3.30	
-265.00	2.40	3.30	
-165.00	1.90	3.30	
-149.00	0.90	1.00	
-123.00	-3.60	1.00	
-105.00	-3.75	1.00	
-25.00	-3.75	1.00	<2>
0.00	-1.60	1.00	
30.00	-4.60	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	<3>
800.00	10.00	3.30	

$\eta_1 = 0.030$

$\eta_2 = 0.100$

2) Results of Calibration

GRID POINT RESULT SUMMARY

WATER LEVEL				Location		Minimum meter		Maximum meter		Location		Minimum meter		Maximum meter	
DHALESWARI				0.000		5.38		9.57		BURIGANGA		8.500		1.17	
DHALESWARI				0.500		5.37		9.56		BURIGANGA		10.000		1.16	
DHALESWARI				0.800		5.37		9.56		BURIGANGA		11.500		1.16	
DHALESWARI				0.800		5.37		9.56		BURIGANGA		12.050		1.15	
DHALESWARI				2.760		5.36		9.56		BURIGANGA		12.800		1.15	
DHALESWARI				4.720		5.35		9.56		BURIGANGA		13.150		1.15	
DHALESWARI				6.680		5.33		9.56		BURIGANGA		16.500		1.14	
DHALESWARI				8.640		5.29		9.56		BURIGANGA		17.200		1.14	
DHALESWARI				10.600		5.21		9.56		BURIGANGA		17.200		1.14	
DHALESWARI				12.275		5.13		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				13.950		5.06		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				15.625		5.02		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				17.300		1.96		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				18.500		1.97		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				19.700		1.97		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				21.667		1.96		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				23.633		1.94		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				25.600		1.93		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				27.333		1.92		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				29.067		1.91		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				30.800		1.89		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				32.400		1.87		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				31.000		1.86		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				35.600		1.82		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				37.200		1.82		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				38.900		1.63		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				40.600		1.57		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				42.300		1.52		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				44.000		1.48		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				45.700		1.44		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				45.700		1.41		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				46.200		1.43		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				47.200		1.40		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				48.700		1.35		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				50.200		1.30		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				51.700		1.23		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				53.100		1.18		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				54.500		1.15		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				56.300		1.15		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				57.700		1.15		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				57.700		1.15		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				58.950		1.15		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				60.200		1.14		9.55		BURIGANGA		17.200		1.14	
DHALESWARI				0.000		5.65		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				2.000		5.52		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				3.867		5.15		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				5.733		5.40		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				7.600		5.38		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				9.000		5.38		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				0.000		4.19		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				1.100		4.49		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				2.950		4.18		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				4.800		4.17		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				5.900		4.17		9.83		BURIGANGA		17.200		1.14	
DHALESWARI				7.000		4.17		9.83		BURIGANGA		17.200		1.14	

Location	Minimum meter	Maximum meter		
LAKHYA	23.900			
BALU	0.060	6.01	19.100	981.392
BALU	1.900	1.75	20.683	981.392
BALU	2.780	1.71	22.650	981.392
BALU	1.300	1.71	21.617	981.392
BALU	3.700	1.71	26.167	981.392
BALU	7.200	1.71	29.200	981.392
BALU	7.200	1.71	29.933	981.392
BALU	8.200	1.71	31.600	981.392
BALU	10.050	1.69	30.200	981.392
BALU	11.900	1.67	31.300	981.392
BALU	12.900	1.64	36.100	981.392
BALU	11.200	1.57	38.050	981.392
BALU	13.500	1.55	39.750	981.392
BALU	16.600	1.51	41.150	981.392
BALU	17.700	1.53	43.150	981.392
BALU	19.000	1.52	44.850	981.392
BALU	20.500	1.51	45.950	1623.176
BALU	22.000	1.50	47.950	1623.176
BALU	23.300	1.50	49.150	1623.176
BALU	24.867	1.49	50.950	1623.176
BALU	26.233	1.48	52.100	1623.176
BALU	27.690	1.47	53.200	1623.176
BALU	28.700	1.46	55.100	1623.176
TONGI	0.000	1.81	57.000	1623.176
TONGI	1.300	1.82	58.323	3523.000
TONGI	3.000	1.81	59.573	3523.000
TONGI	6.100	1.81	1.000	1003.209
TONGI	8.000	1.80	2.933	1012.172
TONGI	8.300	1.80	1.800	983.656
TONGI	9.823	1.79	6.667	1008.316
TONGI	11.350	1.78	8.300	1014.660
TONGI	12.873	1.77	0.550	611.781
TONGI	14.400	1.76	2.023	611.781
TONGI	16.000	1.71	3.873	611.781
KARNATALI	0.000	5.37	5.350	611.781
KARNATALI	1.600	5.29	6.150	611.781
KARNATALI	3.200	5.23	7.750	611.781
KARNATALI	1.800	5.17	9.250	611.781
KARNATALI	6.100	5.10	10.750	611.781
KARNATALI	8.233	5.01	12.073	611.781
KARNATALI	10.067	4.99	13.223	611.781
KARNATALI	11.900	1.77	14.175	611.781

DISCHARGE

Location	Minimum m3/sec	Maximum m3/sec
DHALESWARI	0.250	2665.296
DHALESWARI	0.650	2663.234
DHALESWARI	1.780	989.451
DHALESWARI	3.710	981.392
DHALESWARI	5.700	981.392
DHALESWARI	7.660	981.392
DHALESWARI	9.620	981.392
DHALESWARI	11.438	981.392
DHALESWARI	13.113	981.392
DHALESWARI	14.788	981.392
DHALESWARI	16.463	981.392
DHALESWARI	17.900	981.392

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	Location	Minimum m/sec	Maximum m/sec		Location	Minimum m/sec	Maximum m/sec
BURIGANGA	12.075	0.000	0.519	TURAG	28.875	0.000	0.941
BURIGANGA	12.650	0.000	0.512	TURAG	29.100	0.000	0.861
BURIGANGA	13.225	0.000	0.531	TURAG	29.975	0.000	0.762
BURIGANGA	13.800	0.000	0.526	TURAG	30.550	0.000	0.582
BURIGANGA	14.475	0.000	0.509	TURAG	31.125	0.000	0.618
BURIGANGA	15.150	0.000	0.193	TURAG	31.700	0.000	0.565
BURIGANGA	15.825	0.000	0.480	TURAG	31.950	0.000	0.571
BURIGANGA	16.500	0.000	0.169	TURAG	32.200	0.000	0.577
BURIGANGA	17.000	0.000	0.246	TURAG	32.983	0.000	0.573
BURIGANGA	17.500	0.000	0.167	TURAG	33.367	0.000	0.570
TURAG	0.000	0.000	0.470	TURAG	33.950	0.000	0.565
TURAG	0.910	0.000	0.177	TURAG	35.733	0.000	0.561
TURAG	1.880	0.000	0.185	TURAG	36.617	0.000	0.554
TURAG	2.820	0.000	0.493	TURAG	37.500	0.000	0.518
TURAG	3.760	0.000	0.503	LAHYA	0.000	0.000	0.957
TURAG	4.700	0.000	0.513	LAHYA	0.575	0.000	0.976
TURAG	5.610	0.000	0.526	LAHYA	1.150	0.000	0.995
TURAG	6.380	0.000	0.510	LAHYA	1.725	0.000	1.003
TURAG	7.320	0.000	0.552	LAHYA	2.300	0.000	1.015
TURAG	8.460	0.000	0.564	LAHYA	2.950	0.000	1.029
TURAG	9.400	0.000	0.576	LAHYA	3.600	0.000	1.043
TURAG	10.075	0.000	0.563	LAHYA	3.600	0.000	1.392
TURAG	10.750	0.000	0.551	LAHYA	4.317	0.000	1.297
TURAG	11.425	0.000	0.544	LAHYA	5.033	0.000	1.215
TURAG	12.100	0.000	0.538	LAHYA	5.750	0.000	1.136
TURAG	12.850	0.000	0.619	LAHYA	6.467	0.000	1.067
TURAG	13.000	0.000	0.733	LAHYA	7.183	0.000	1.005
TURAG	14.000	0.000	0.754	LAHYA	7.900	0.000	0.956
TURAG	15.000	0.000	0.780	LAHYA	8.767	0.000	0.973
TURAG	15.000	0.000	0.318	LAHYA	9.633	0.000	0.993
TURAG	15.050	0.000	0.349	LAHYA	10.500	0.000	0.994
TURAG	15.100	0.000	0.350	LAHYA	11.367	0.000	1.006
TURAG	15.650	0.000	0.318	LAHYA	12.233	0.000	1.019
TURAG	16.200	0.000	0.290	LAHYA	13.100	0.000	1.034
TURAG	16.750	0.000	0.275	LAHYA	14.075	0.000	0.938
TURAG	17.300	0.000	0.262	LAHYA	15.050	0.000	0.856
TURAG	18.000	0.000	0.222	LAHYA	16.025	0.000	0.790
TURAG	18.700	0.000	0.194	LAHYA	17.000	0.000	0.731
TURAG	19.350	0.000	0.160	LAHYA	17.975	0.000	0.691
TURAG	20.000	0.000	0.136	LAHYA	18.950	0.000	0.653
TURAG	20.625	0.000	0.160	LAHYA	19.925	0.000	0.620
TURAG	21.250	0.000	0.193	LAHYA	20.900	0.000	0.591
TURAG	21.875	0.000	0.216	LAHYA	21.650	0.000	0.565
TURAG	22.500	0.000	0.241	LAHYA	22.400	0.000	0.540
TURAG	23.275	0.000	0.284	LAHYA	23.150	0.000	0.518
TURAG	24.050	0.000	0.340	LAHYA	23.900	0.000	0.497
TURAG	24.825	0.000	0.419	BALU	0.000	0.000	0.162
TURAG	25.600	0.000	0.593	BALU	0.950	0.000	0.121
TURAG	26.300	0.000	0.531	BALU	1.900	0.000	0.104
TURAG	27.000	0.000	0.480	BALU	2.300	0.000	0.089
TURAG	27.000	0.000	1.716	BALU	2.700	0.000	0.078
TURAG	27.150	0.000	1.719	BALU	3.450	0.000	0.084
TURAG	27.300	0.000	1.784	BALU	4.200	0.000	0.091
TURAG	27.825	0.000	1.320	BALU	4.950	0.000	0.098
TURAG	28.350	0.000	1.047	BALU	5.700	0.000	0.107

[illegible]

