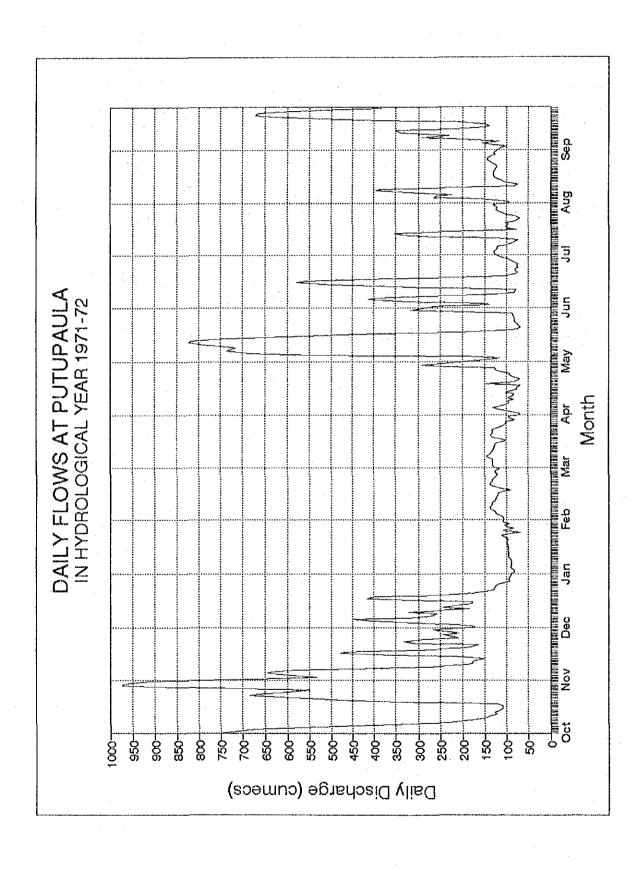
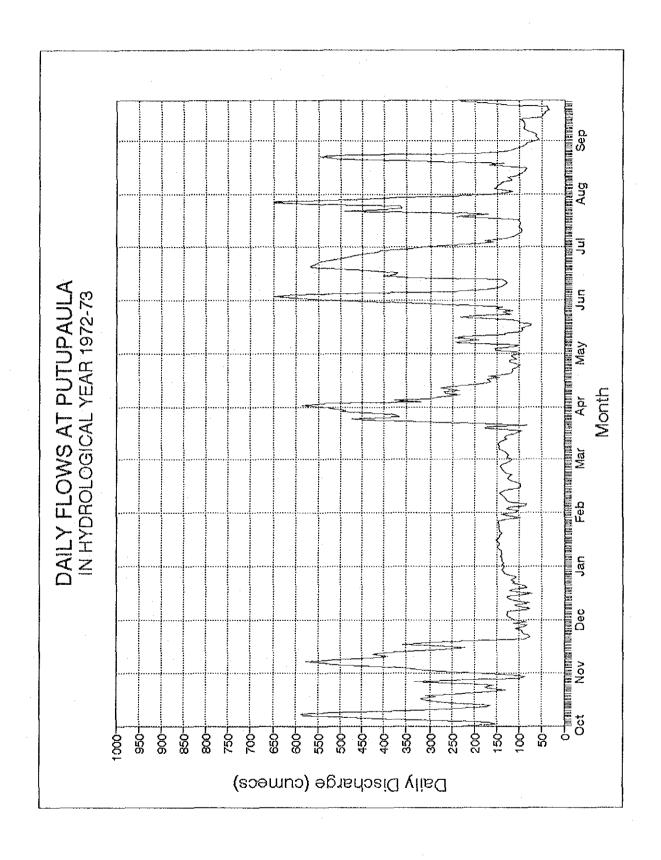
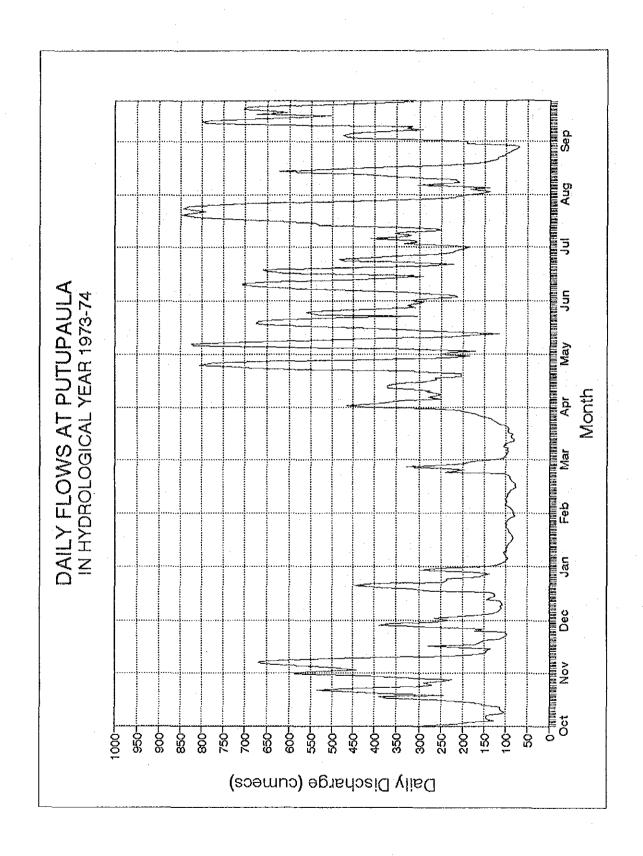
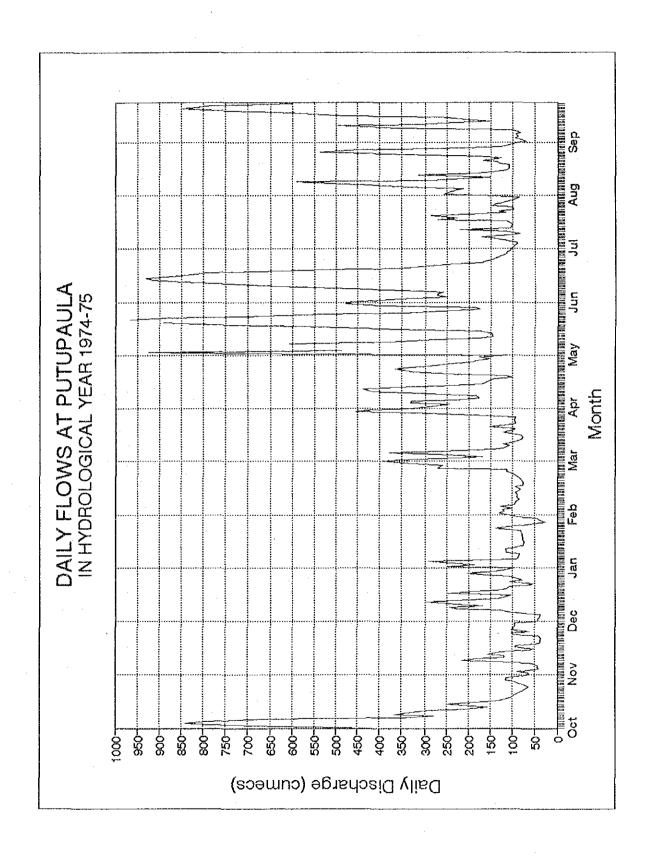


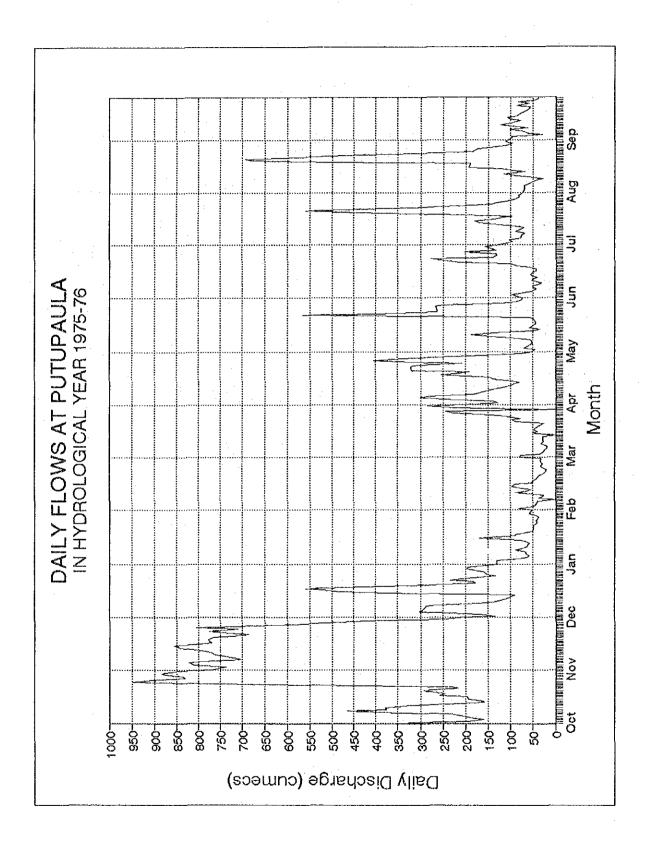
6 - 11

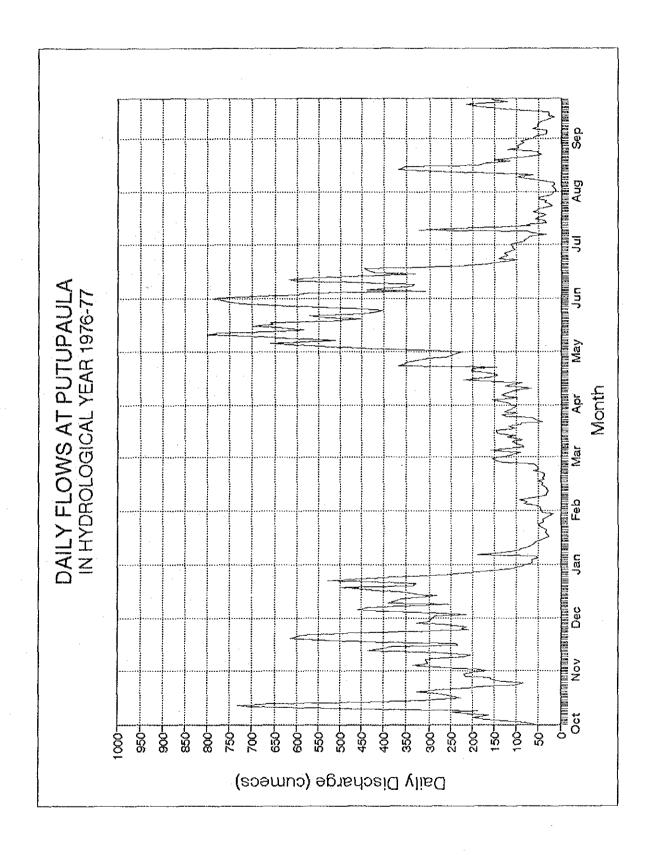


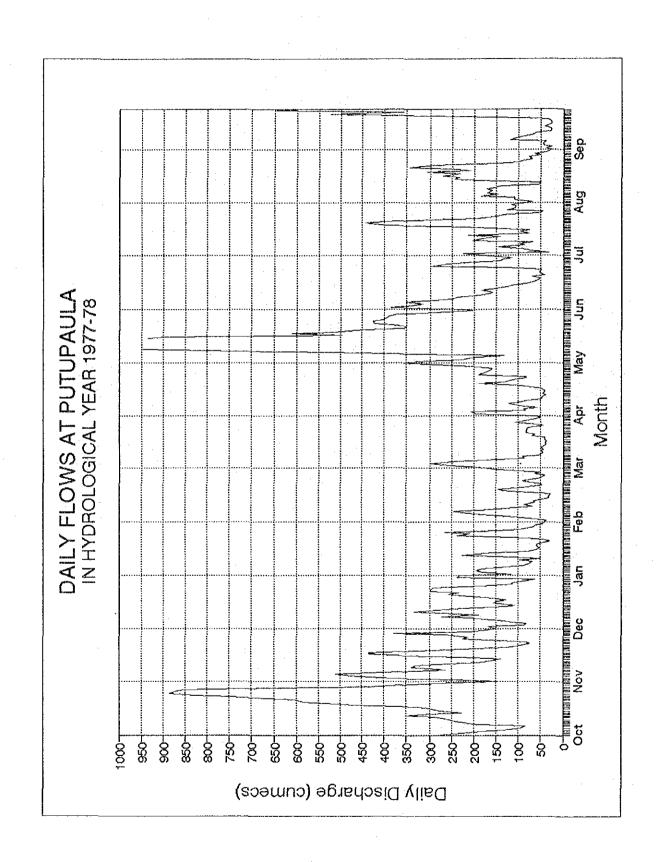


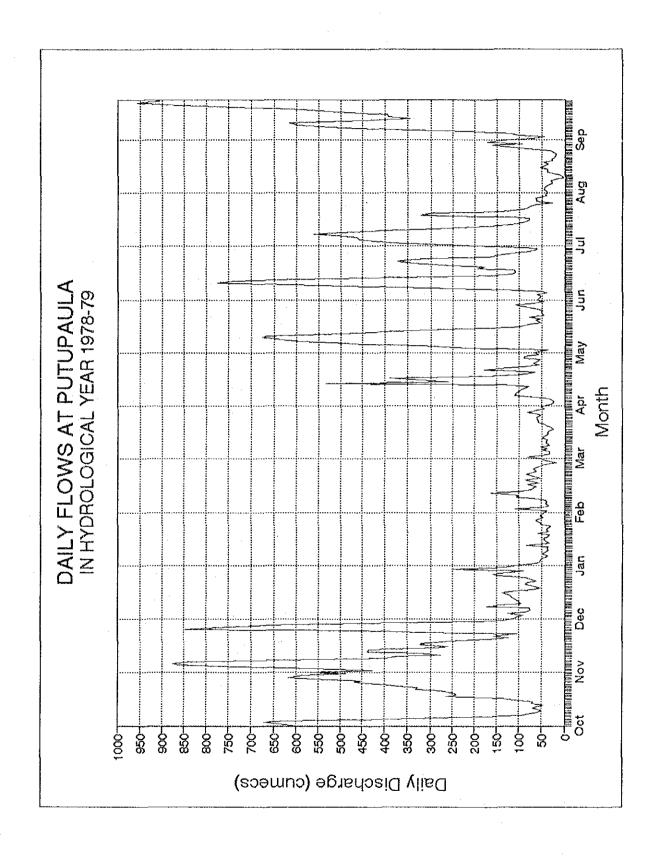


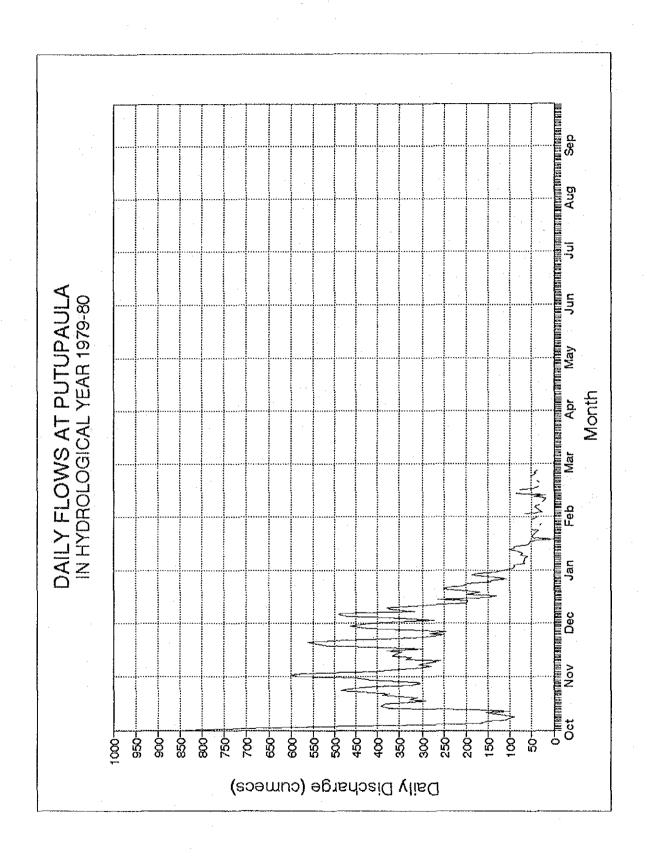


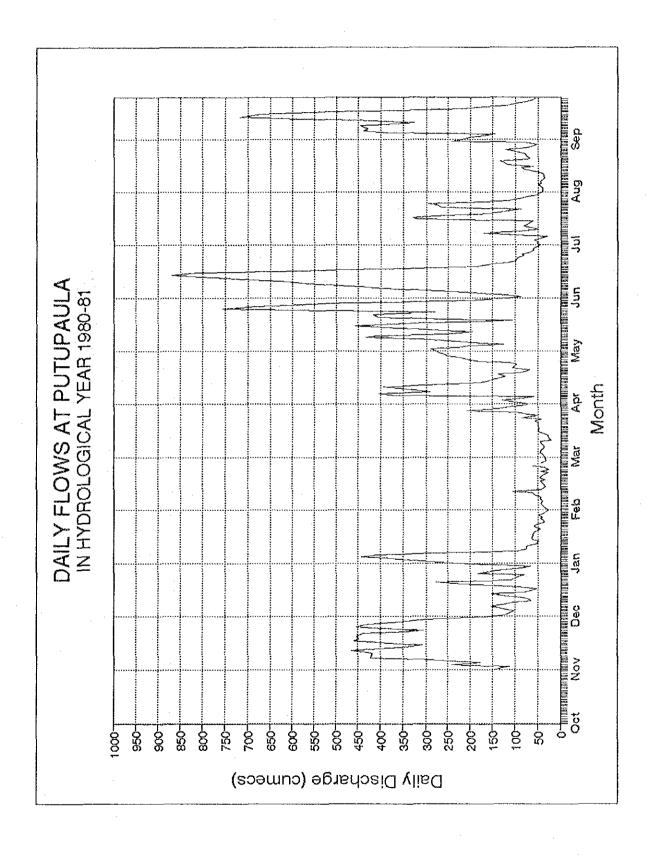


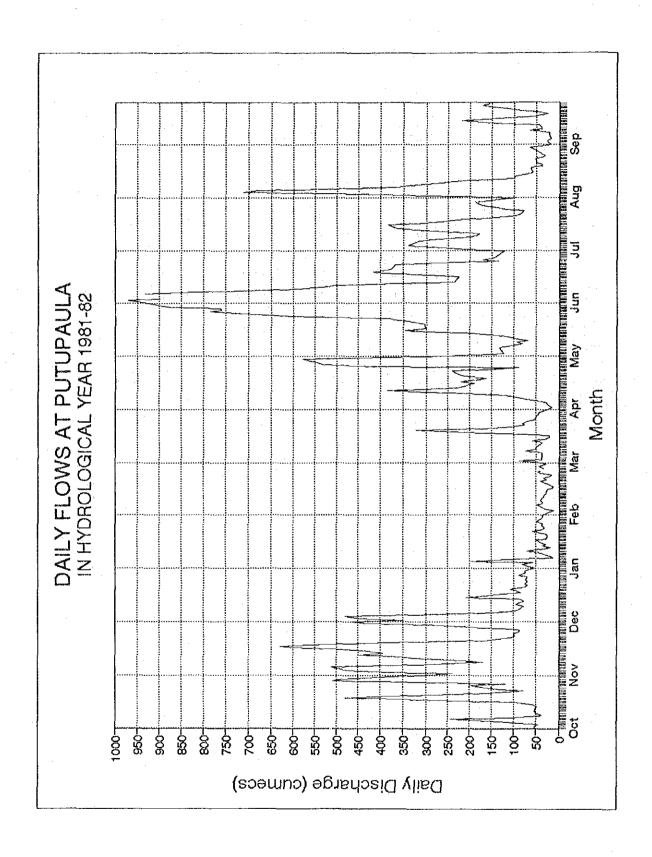


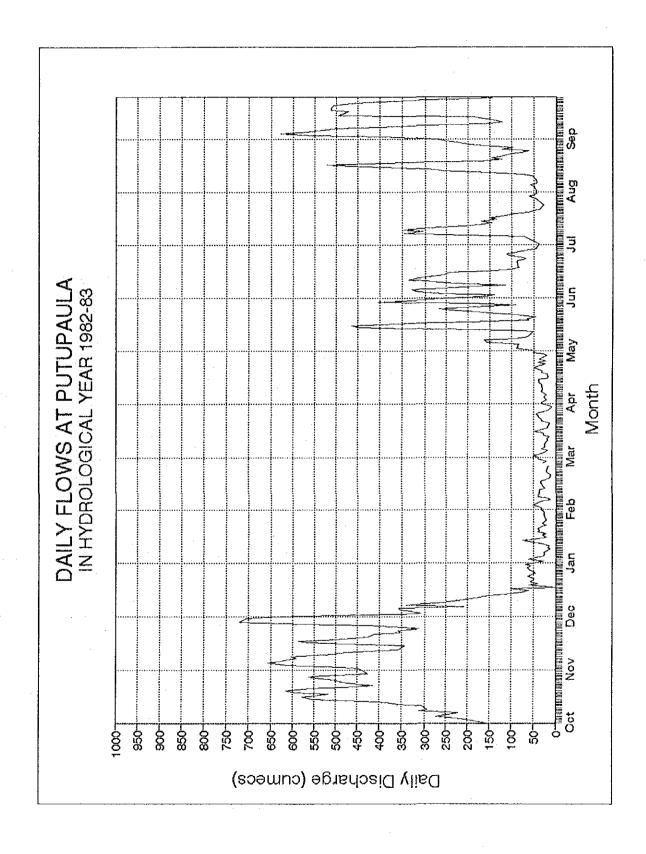


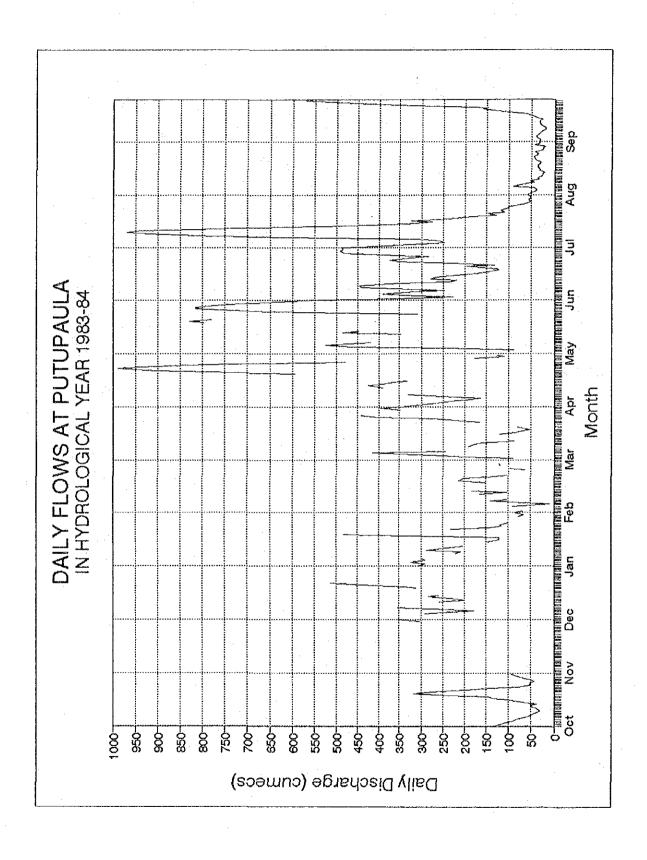




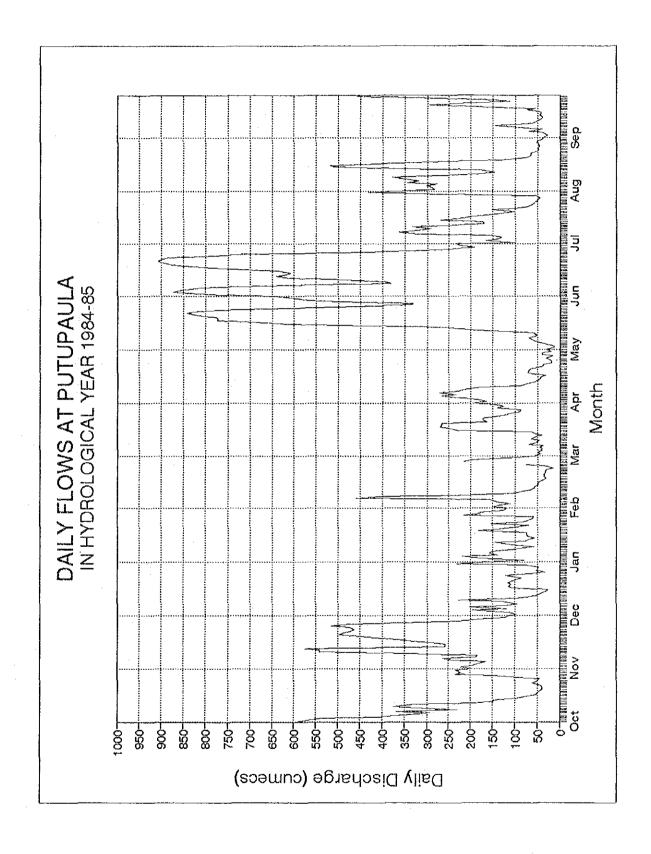


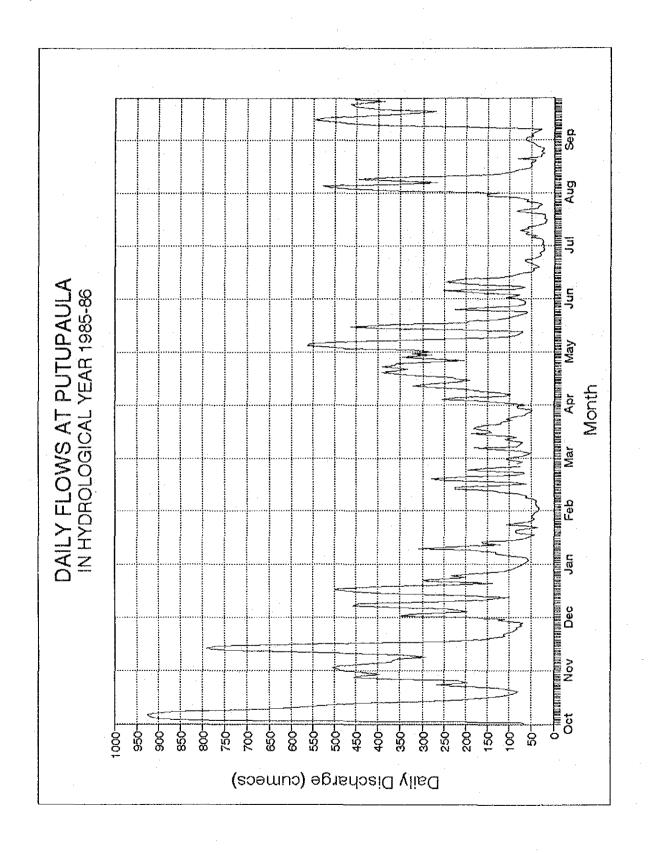


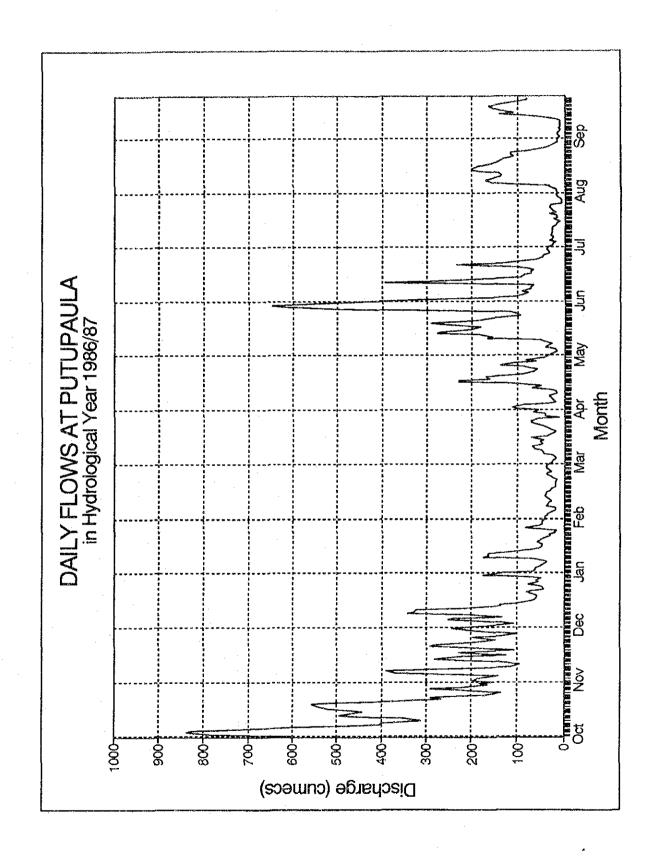




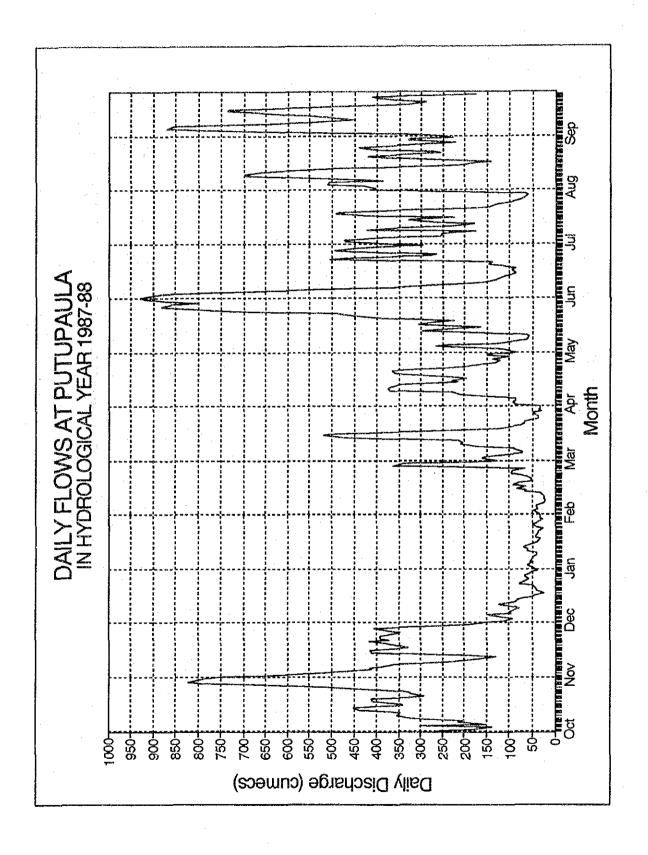
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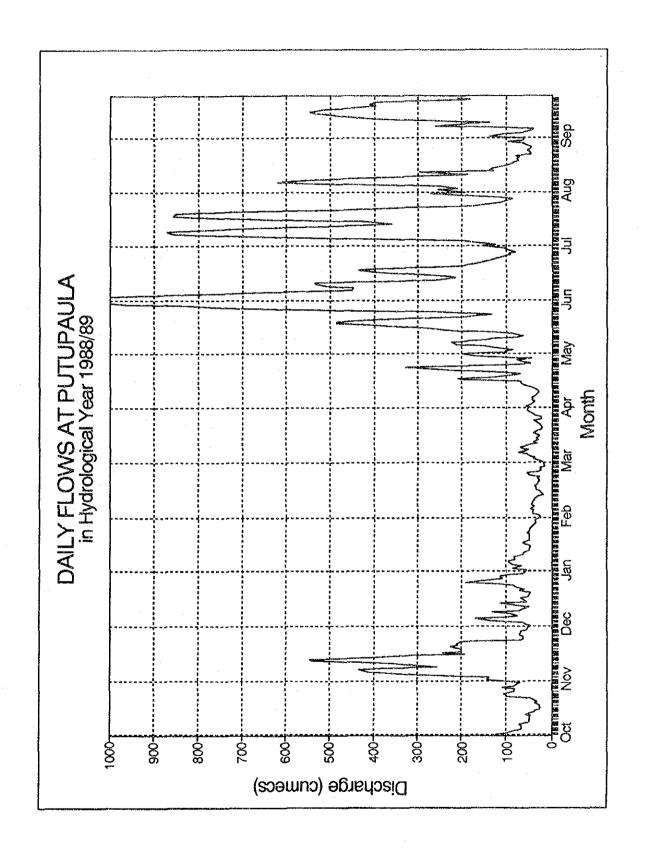


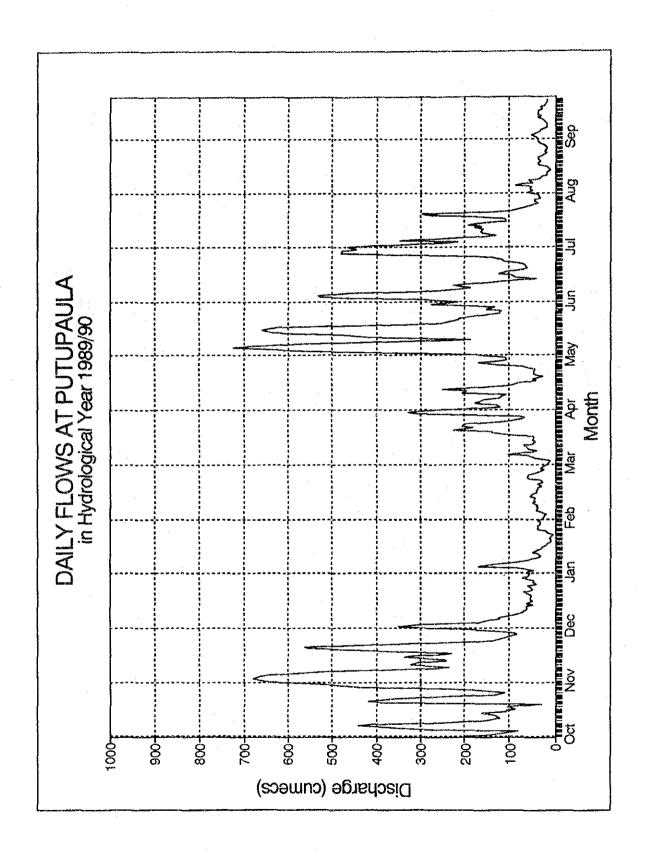


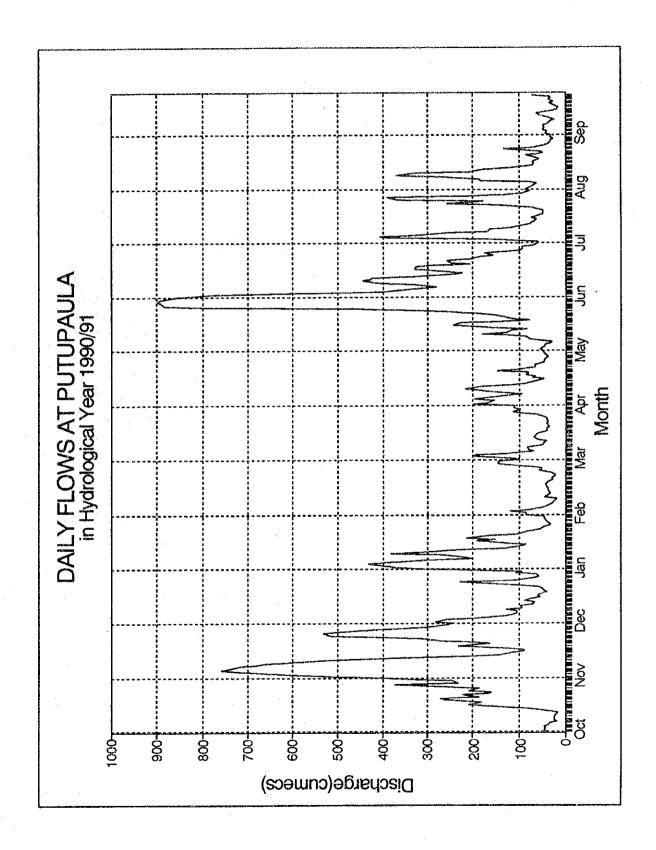


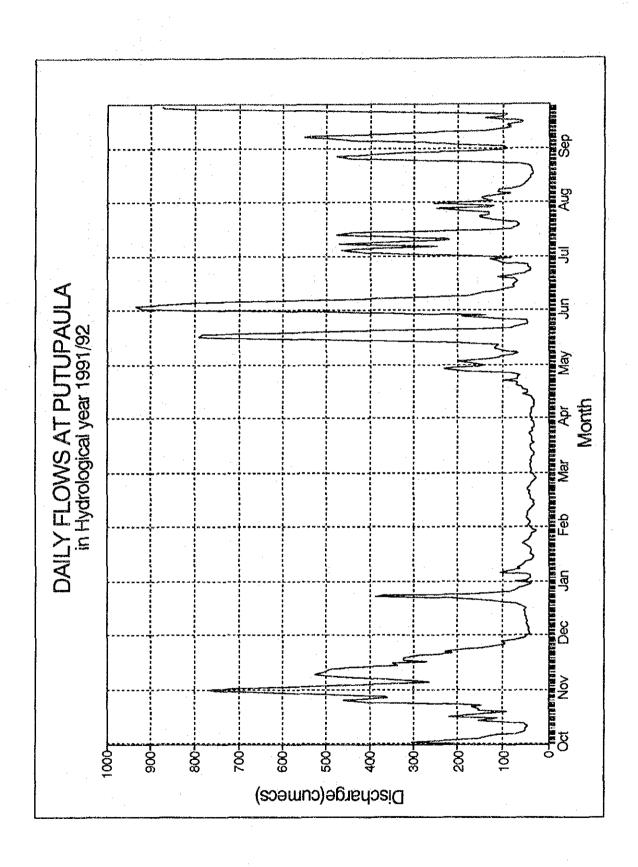
6 - 27

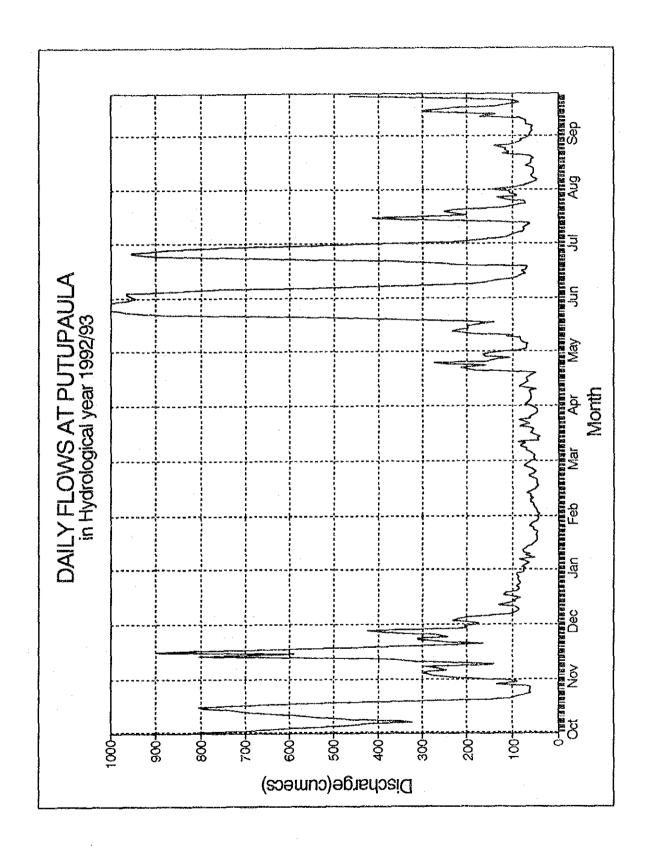




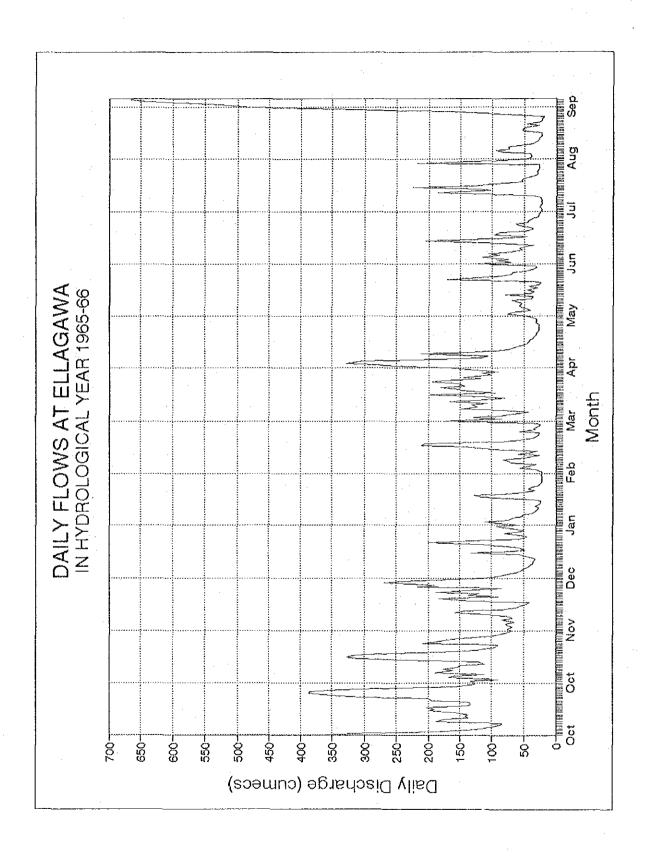


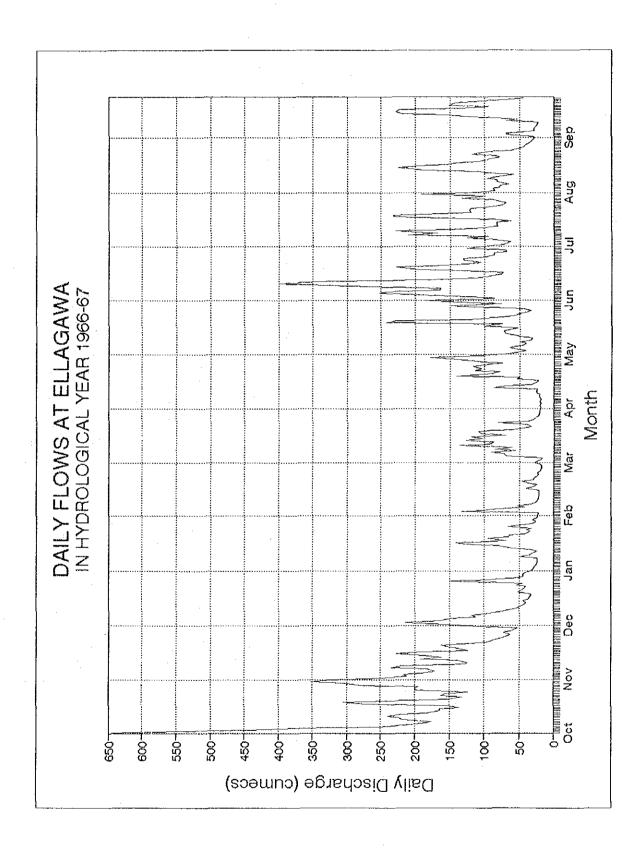


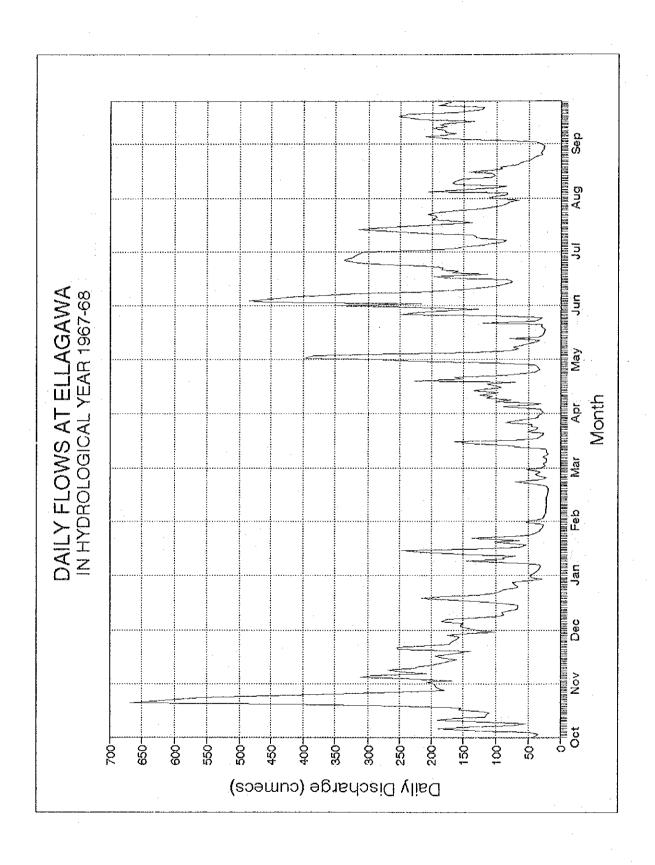


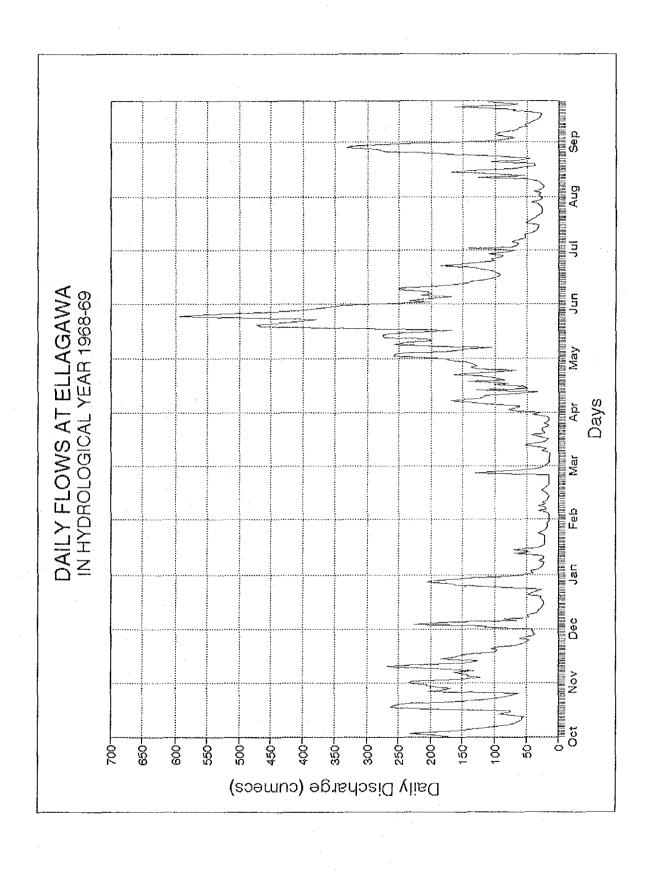


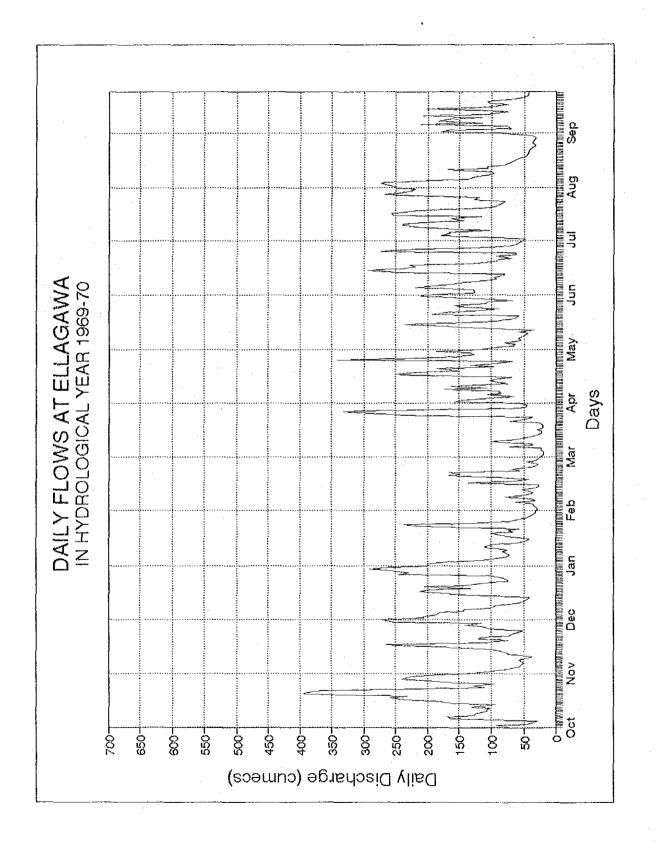
6 - 33



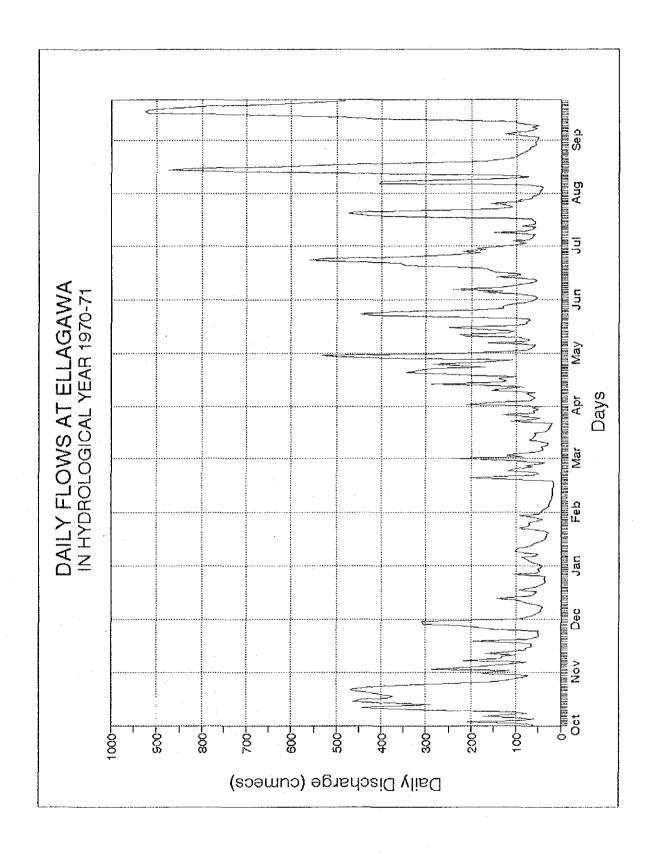




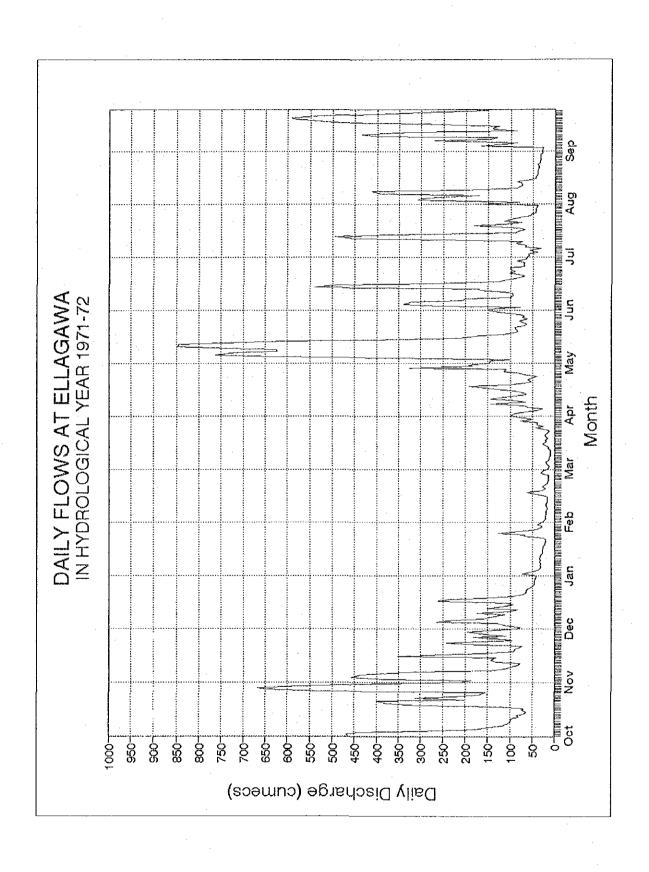


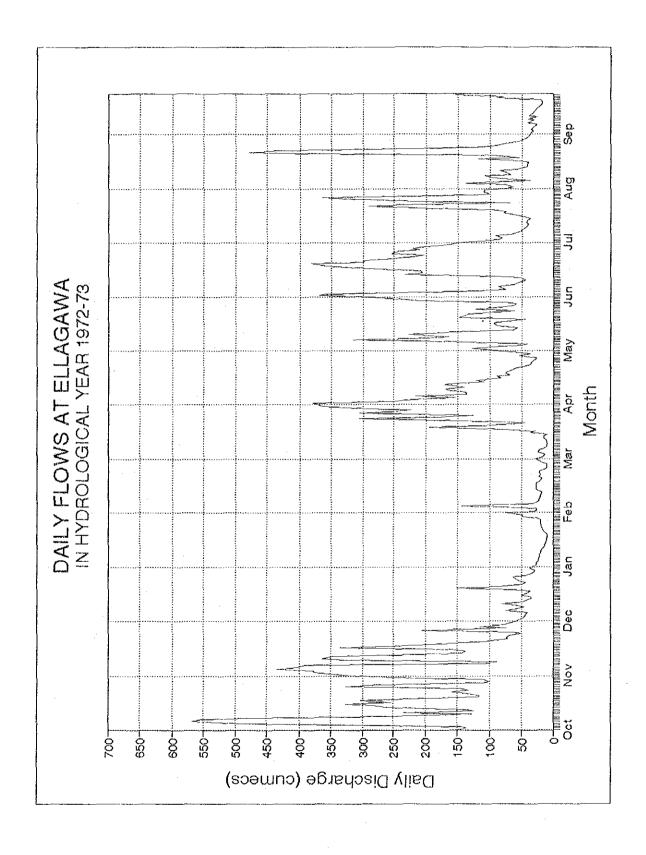


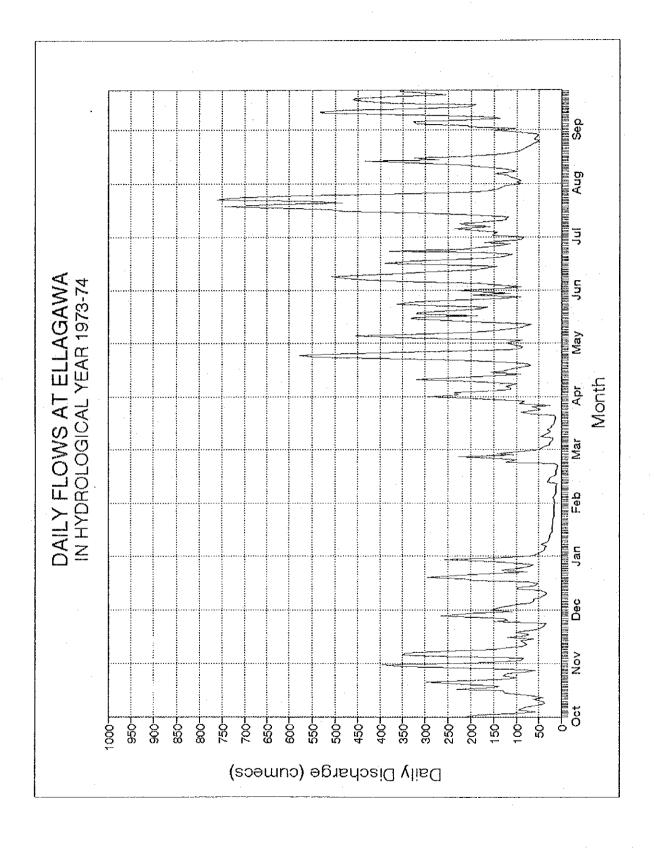
6 - 38

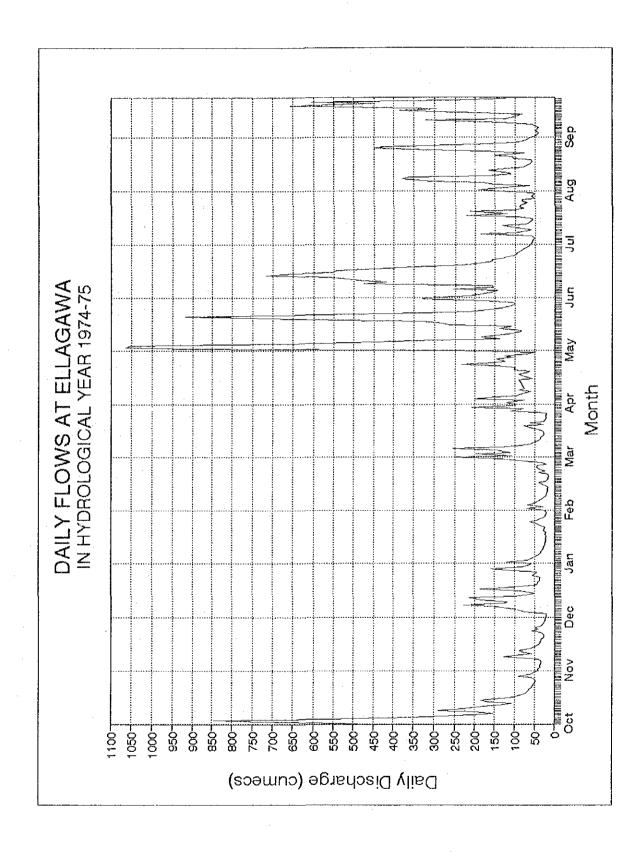


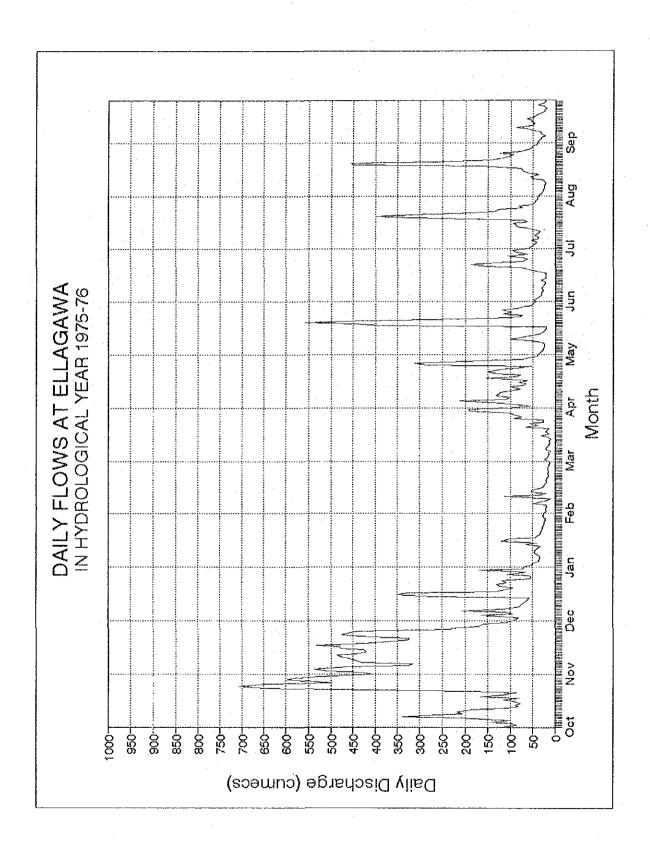
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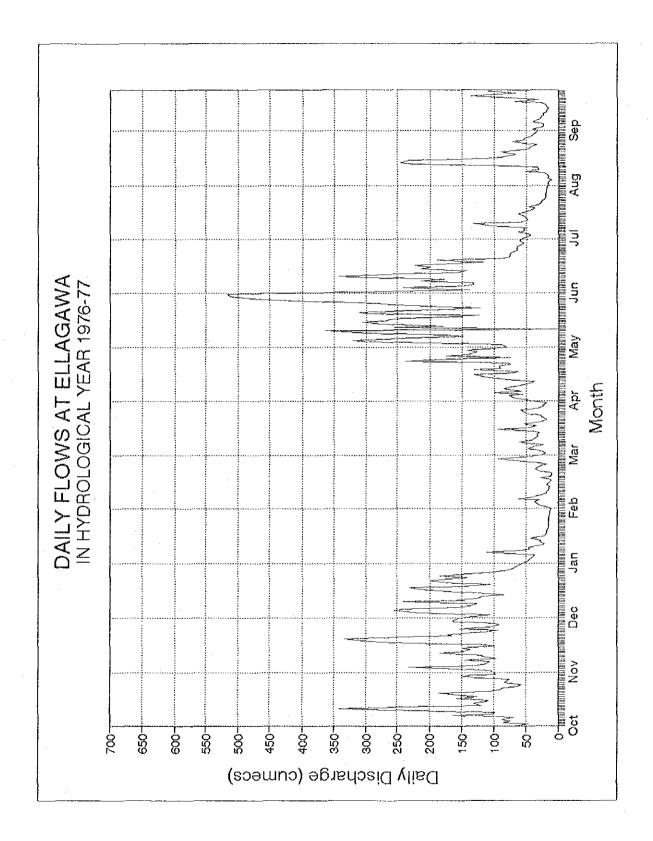


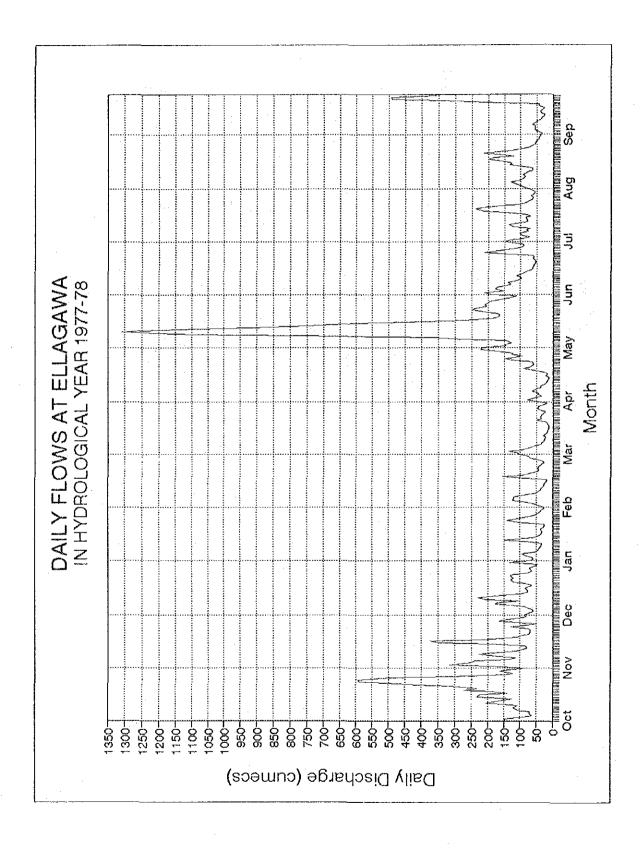


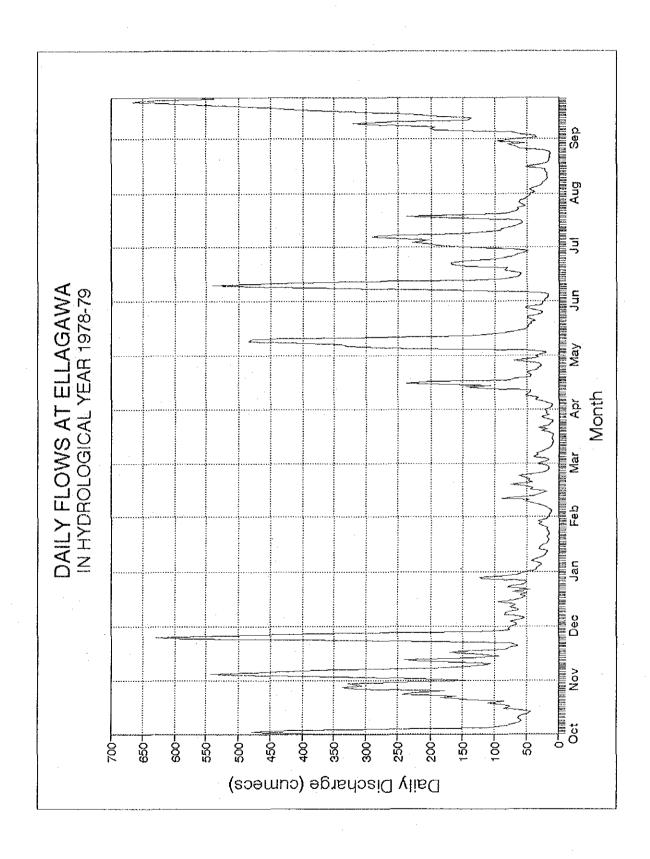


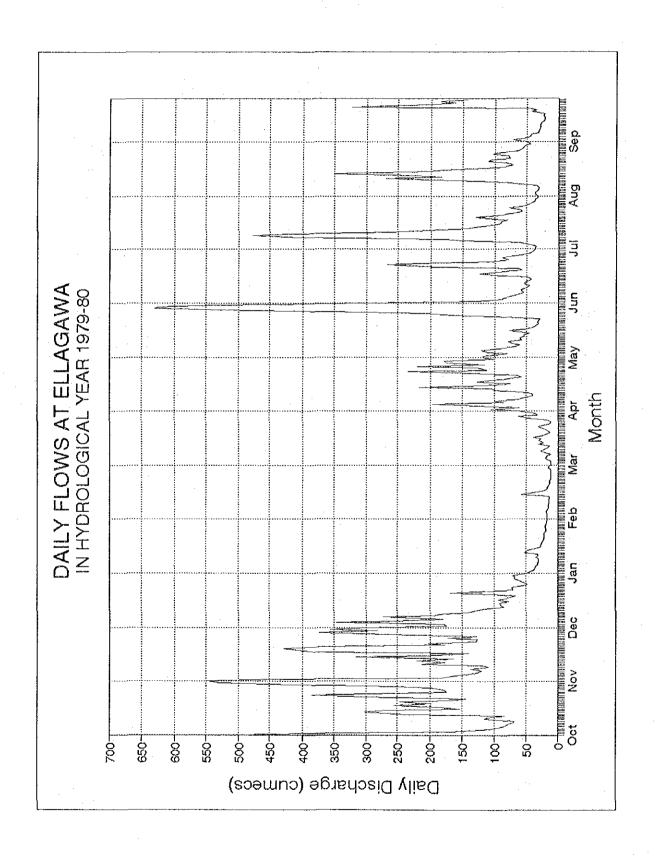


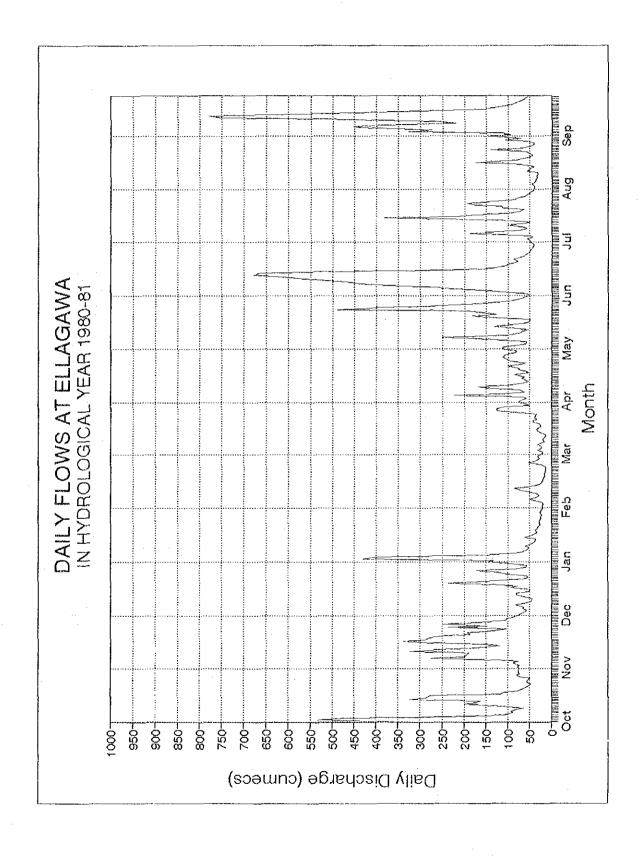


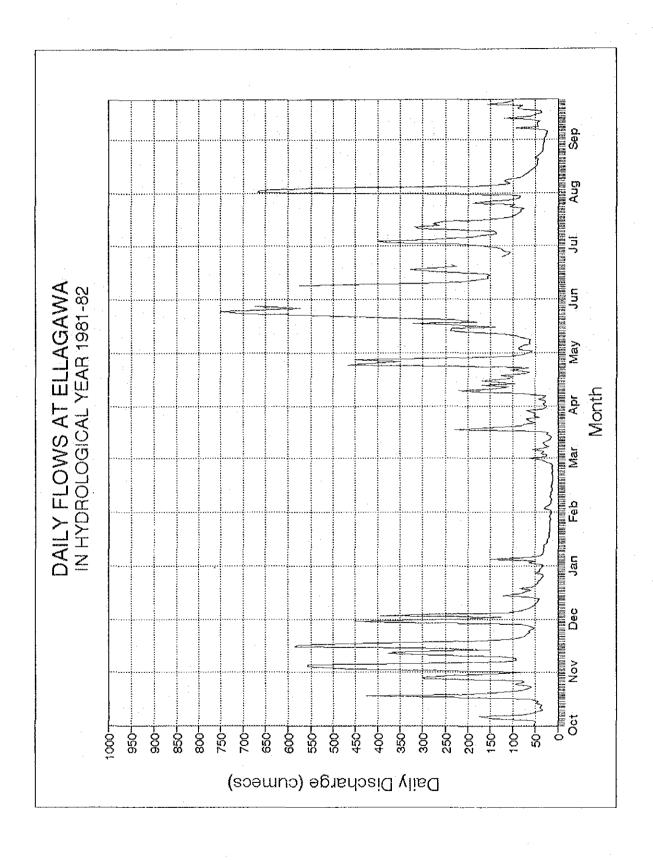


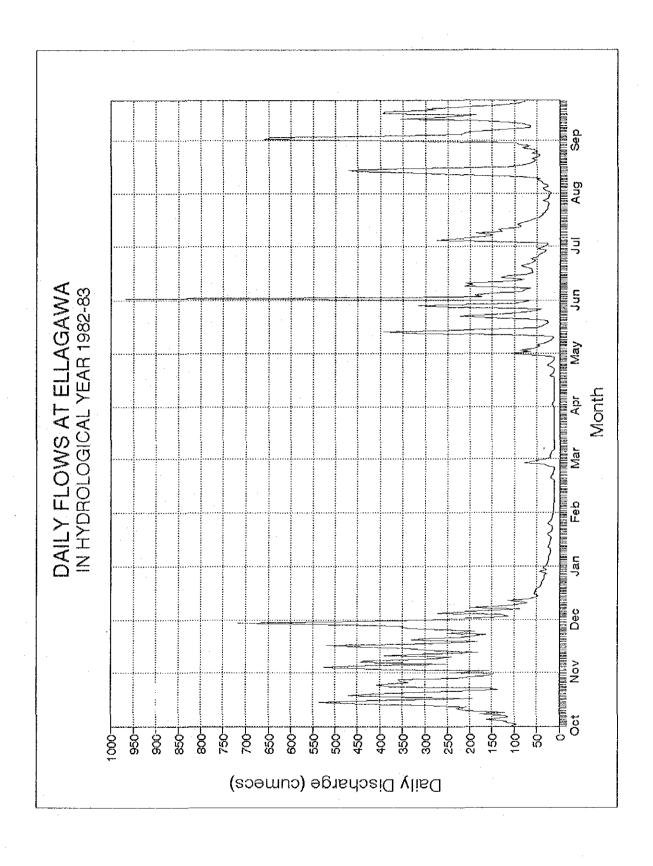


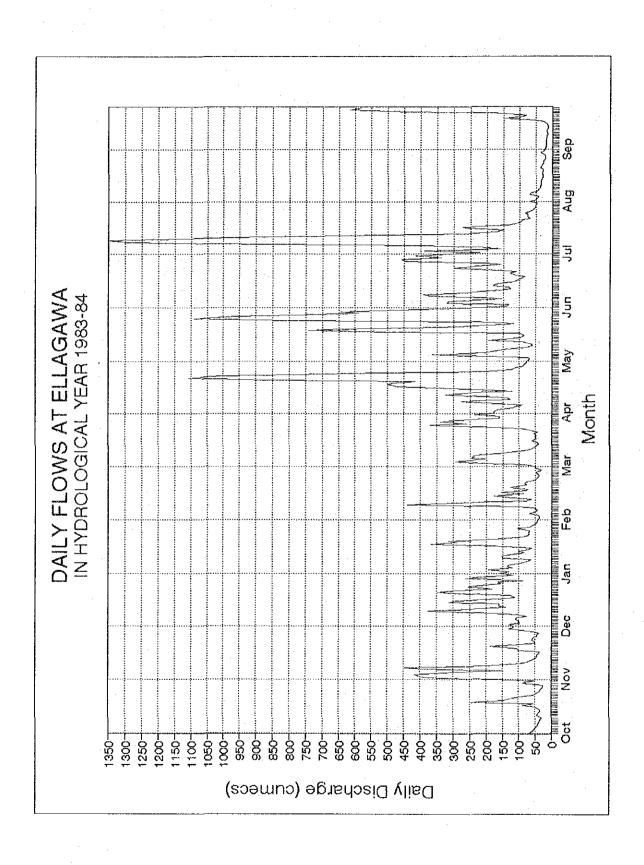


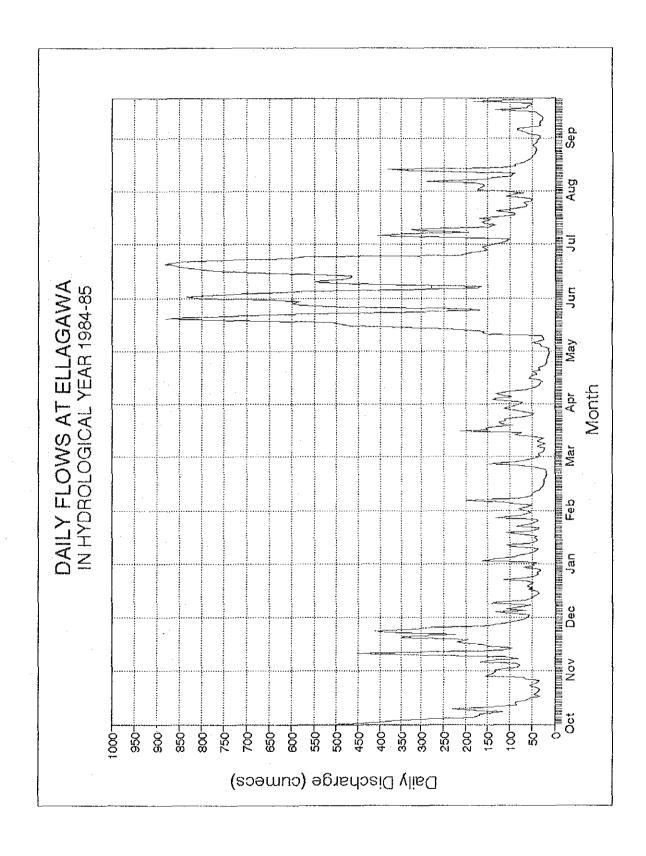


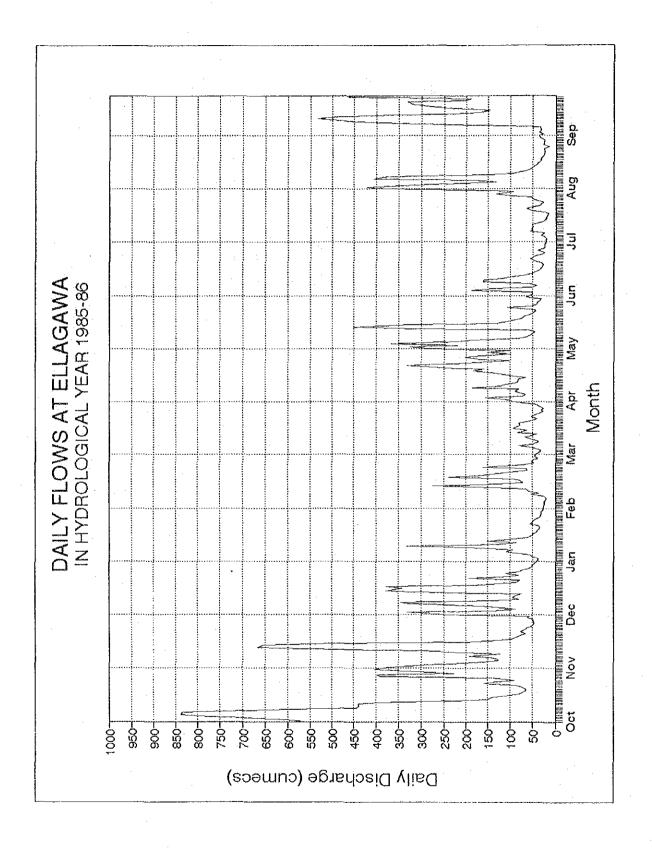


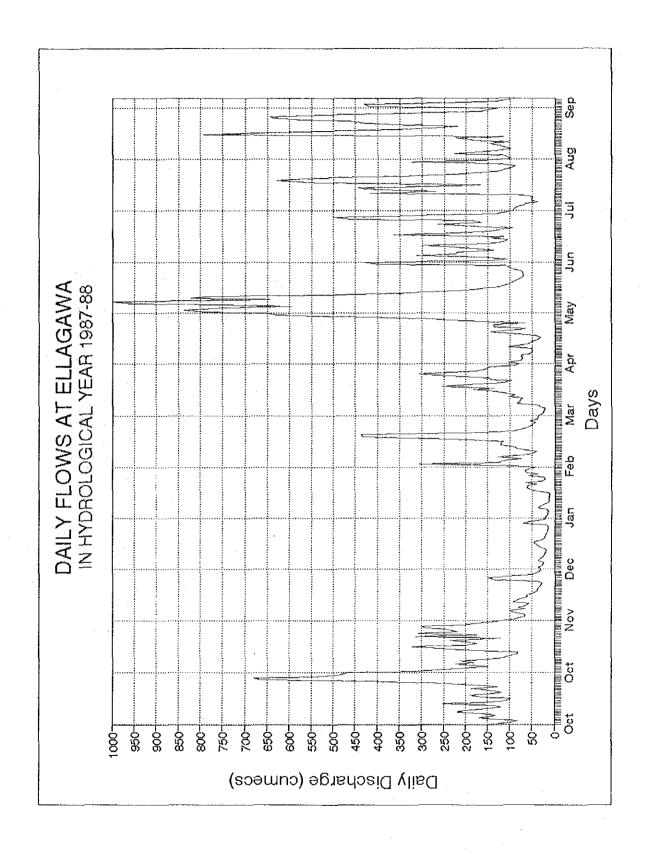


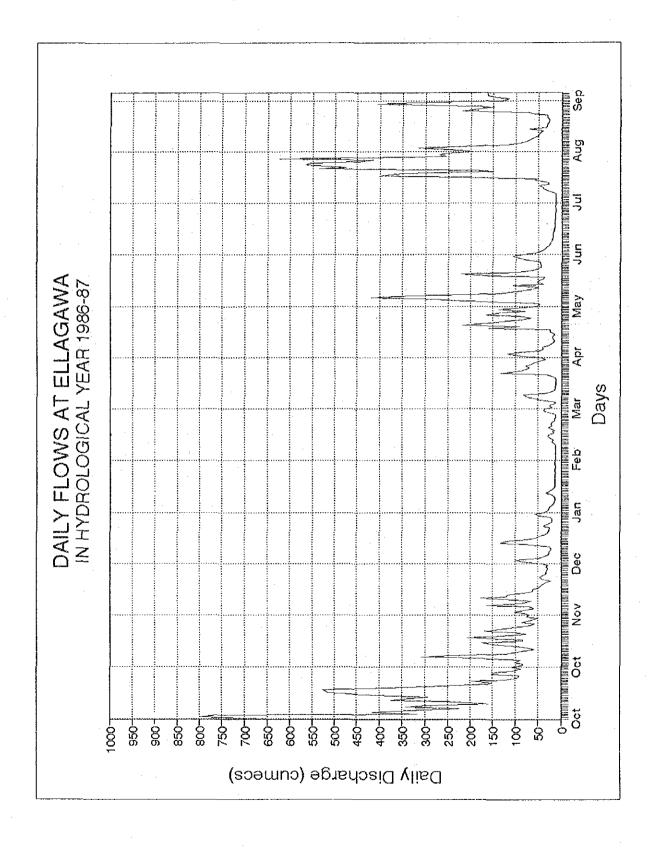


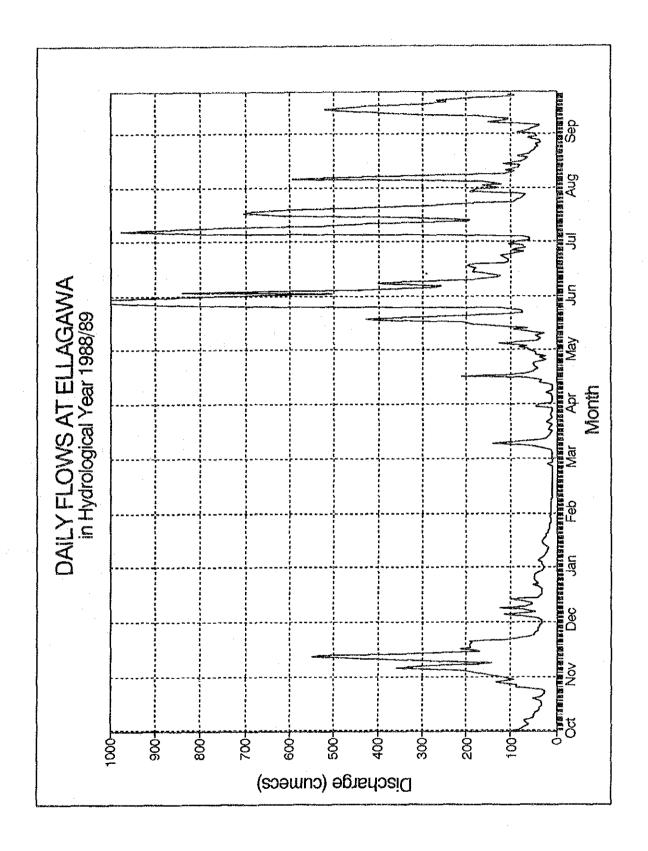




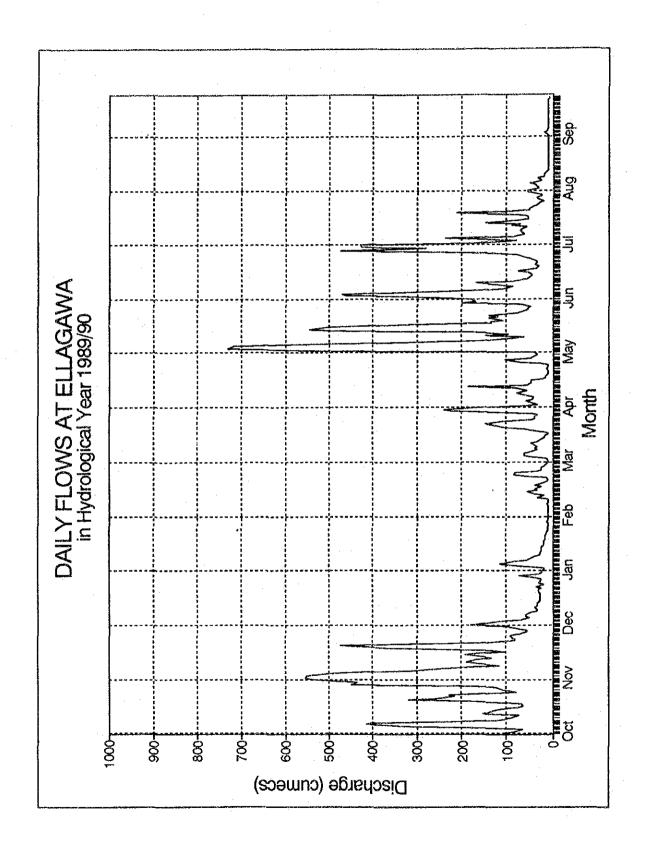


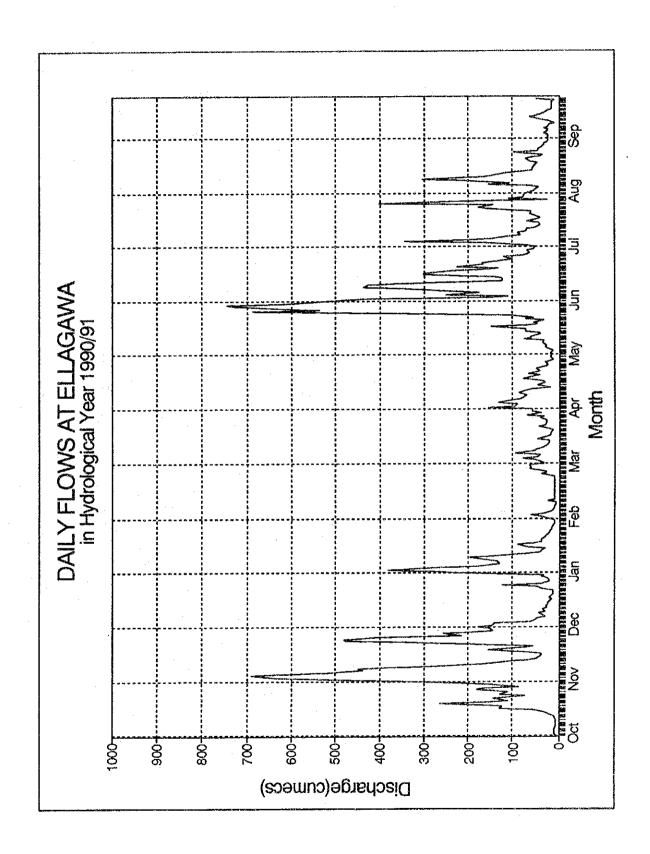


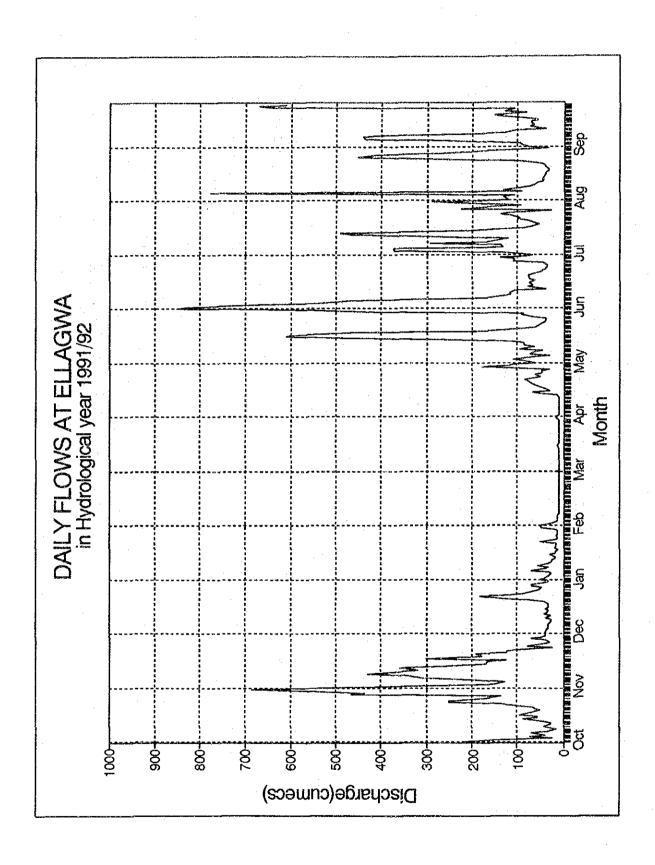


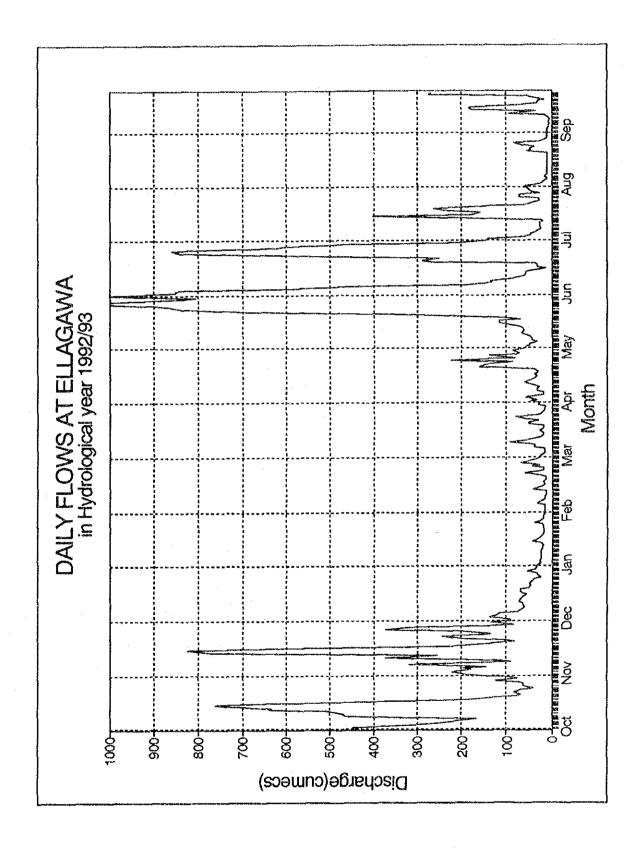


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#### MEAN MONTHLY BAINFALL

#### COLOMBO

SEP Year JAN FEB MAR APR MAY JUN JUL AUG OCT NOV DEC Ann.Tot ..... ..... -----1982 4.1 0.2 311.8 108.8 323.7 195.0 160.9 123.6 104.9 186.6 434.9 51.0 2005.5 1983 2 43.0 60.3 83.0 336.5 118.6 163,1 94.0 291.5 94.8 241.7 229.6 1750.1 1984 211.5 179.6 162.5 254.0 491.0 176.8 127.8 4.9 339.3 161.3 360.2 24:2 2493.1 1985 83.5 160.8 116.1 76.3 253.1 316.9 19.6 111.2 343.4 275.7 244.9 230.9 2232.4 1986 144.9 78.4 81.4 216.8 230.9 63.8 10.5 76.2 128.4 163.0 58.9 203.4 1456.6 1987 98.4 0.0 73.2 179.3 198.4 116.3 12.0 404.8 508.9 506.5 217.4 136.0 2451.2 1988 3.0 63.6 206.4 185.0 146.2 325.7 101.5 122.4 374.3 117.9 266.9 96,0 2008.9 35.8 1989 6.0 146.3 332.9 399.1 217.2 138.2 49.1 174.5 450.4 284.7 31.5 2265.7 1990 182.7 36.9 184.0 366.9 324.3 184.1 206.3 17.9 29.6 374.1 255.8 178.8 2341.4 79.1 1991 78.8 55.2 146.4 142.1 317.4 309.9 121.0 88.8 112.4 353.1 292.7 2096.9 1992 19.8 3.5 0.8 151.5 488.7 602.3 218.1 70.9 323.0 216.7 401.5 78.4 2575.2 .......... ....... -----57.0 135.4 190.6 319.0 238.8 116.3 105.8 248.2 263.6 278.1 121.2 Mean 86.3 2152.5

unit:mm

#### RATNAPURA

Year	JAN	FE8	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Ann.Tot
••••••••	•••••		<b>-</b>					•••••					•••••
1982	: 55.5	24.4	318,1	455.4	545.3	892.5	307.2	267.2	237.5	628.2	638.8	129.4	4499.5
1983	93.1	78.8	150.1	128.0	495.1	367.6	276.1	284.4	450.5	146.0	344.6	537.8	3352.1
1984	274.7	407.1	356.7	529.2	564.0	343.5	515.9	48.2	312.1	255.4	343.7	264.5	4215.0
1985	214.2	174.1	273.7	133.2	504.2	746.2	249.8	183.4	252.9	646.1	251.7	346.4	3975.9
1986	159.6	319.0	131.3	358.7	287.5	201.8	121.3	270,3	700.2	435.0	277.8	284.5	3547.0
1987	138.7	11.2	157.9	239.2	302.7	233.1	18.8	660.4	320.0	475.3	381.4	72.6	3011.3
1988	94.7	324.4	228.2	262.3	13.3	662.4	331.7	557.6	694.3	224.5	378.8	139.3	3911.5
1989	47.5	7.8	123.3	257.1	405.9	632.2	610.9	282.7	448.5	500.4	320.0	97.4	3733.7
1990	74.8	134.1	251.2	352.1	499.6	298.8	327.4	73.6	107.2	446.5	511.4	209.4	3280.1
1991	257.4	106.5	175.5	325.1	412.6	450.2	282.7	233.9	175.9	488.7	259.8	152.9	3321.2
1992	83.4	41.0	44.8	335.4	489.0	408.3	426.0	265.3	434.0	400.2	513.5	95.3	3536.2
					·····								••••••
Mean	141.0	1587	216,6	304.0	402-4	482.8	304.2	286.2	369.9	424 6	370.8	223.4	3684.7

Source: Department of Meteorology

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1983												
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	4.6	0.0	4.3	0.0	0.0	<sup>`</sup> 8.1	0.0	36.1	0.0
2	0.0	0.0	0.0	0.0	2.0	2.0	0.0	5.0	31.0	0.0	27.4	0.0
Э	0.0	0.0	0.0	0.0	0.0	9.4	0.0	7.6	46.5	2.0	48.5	0.0
4	0.0	0.0	0.0	0.0	13.7	35.6	4.6	4.6	34.0	1.8	10.7	4.3
. 5	0.0	0.0	0.0	0.0	3.8	7.9	0.0	8.4	34.0	4.1	2.8	0.0
6	0.0	0.0	0.0	0.0	2.0	11.2	2.5	0.0	24.1	0.0	50.6	0.0
7	0.0	0.0	0.0	0.0	0.0	10.7	7.6	8.1	36.3	0.0	0.0	0.0
8	0.0	0.0	0.0	1.5	5.1	7.6	15.2	9.7	0.0	0.0	0.0	1.0
9	0.0	0.0	0.0	0.0	23.6	7.1	38.1	2.5	1.8	0.0	0.0	10.9
10	0.0	0.0	0.0	0.0	17.8	7.6	45.8	2.9	6.1	0.0	0.0	3.6
11	20.1	0.0	0.0	0.0	0.0	3.1	17.8	11.7	25.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	45.7	3.8	5.6	11.4	15.5	2.5	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	30.5	7,6	25.9	0.0	38.1	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	7.4	0.0	15.5	0.0	5.1	0.0	2,8
15	0.0	0.0	0.0	0.0	0.0	30.5	0.0	0.0	19.1	0.0	0.0	123.2
16	0.0	0.0	0.0	0.0	4.8	0.0	0.0	21.6	0.0	45.2	0.0	49.5
17	0.0	0.0	0.0	0.0	144.8	0.0	2.0	15.2	1.5	0.0	2.3	10.7
18	0.0	0.0	0.0	. 0.0	0.0	15.2	0.0	1.8	23.4	22.9	0.0	9.7
19	0.0	0.0	0.0	0.0	0.0	2.3	19.1	0.0	48.0	0.0	0.0	8.4
20	27.2	0.0	0.0	0.0	0.0	0.0	0.0	1.8	45.7	0.0	36.1	5.6
21	0.0	0.0	0.0	0.0	0.0	1,0	0.0	14.7	5.6	0.0	0.0	16.8
22	0.0	0.0	0.0	41.4	22.9	9.9	19.8	0.0	24.9	0.0	0.0	1.8
23	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	32.5	0.0	0.0	0.0
24	0.0	1.5	0.0	0.0	17.8	4.8	0.0	1.5	7.9	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	22.9	0.0	0.0	0.0	15.2	0.0	0.0	11.4
26	0.0	0.0	0.0	0.0	19.1	0.0	0.Q	0.0	11.4	0.0	0.0	0.0
27	<b>0.0</b>	0.0	0.0	5.1	10.7	0.5	0.0	6.4	5.8	0.0	0.0	0.0
28	0.0	0.0	0.0	14.0	15.8	0.0	0.0	0.0	0.0	0.0	3.8	0.0
29	0.0		0.0	36.8	12.7	2.3	0.0	0.0	0.0	38.1	69.1	5.1
30	0.0		0.0	0.0	2.8	1.0	0.0	0.0	0.8	0.0	4.6	0.0
31	0.0		0.0		2.5		0.0	0.0		12.2		2,8
Total	47.3	1.5	0.0	103.4	390.5	218.0	185.7	178.9	504.8	172.0	292.0	267.6

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1984						1						
	Jan	Feb	Mar	Apr	Maÿ	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.2	0.0	0.0	23.4	0.0	23.9	22.9	0.0	0.0			0.0
2	18.5	0.0	16.3	40.4	0.0	0.0	20.8	0.0	0.0	÷		0.0
3	9.4	0.0	0.0	0.0	26.7	17.3	21.3	0.0	0.0			- 0.0
4	3.3	0.0	0.0	0.0	43.2	0,0	11.4	0.0	0.0			24.9
5	5.1	8.4	0.0	0.0	0.0	0.0	3.8	0.0	0.0			0.0
6	15.2	0.0	7.6	0.0	11.4	0.0	15.2	0.0	0.0			1.8
7	0.0	0.0	3.6	0.0	27.9	14.2	0.0	0.0	0.0			0.0
8	0.0	ô.ô	2.8	0.0	33.5	8.7	4.ô	0.0	0.0		·	0.0
9	0.0	3.1	0.0	0.0	14.7	0.0	0.0	0.0	0.0			0,0
10	17.0	16.8	0.0	8.9	85.3	14.7	29.5	0.0	0.0			0.0
11	8.1	1.0	13.2	21.8	31.5	29.2	ô1.0	0.0	0.0			0.0
12	0.5	1.5	0.0	47.8	14.2	0.0	31.8	0.0	0.0			0.0
13	0.0	1.8	0.0	11.4	0,0	22.9	15.2	0.0	0.0			0.0
14	0.0	58.4	0.0	0.0	0.0	0.0	15.2	0.0	0.0			0,0
15	0.0	0.0	0.0	114.3	89.7	0.0	22.9	0.0	0.0			0.0
16	0.0	0.0	0.0	0,0	41.9	8.9	5.1	0.0	0.0			0.0
17	5.1	2.0	0.0	71.1	0.0	17.3	0.0	0.0	0.0			0.0
18	13.5	0.0	0.0	8.1	3.8	37.5	1.0	0.0	0.0			2.5
19	0.0	0.5	0.0	58.9	18.8	3.3	7.4	0.0	0.0			0.0
20	0.0	58.7	0.0	14.7	9.1	13.7	3.3	0.0	0.0			0.0
21	0.0	1.5	24.1	29.0	17,5	4.ô	0.0	0.0	3.8			0.0
22	0.0	5.3	0.0	12.2	88.1	0.0	0.0	0.0	24.4			0.0
23	0.0	0.0	0.0	21.3	5,8	0.0	2.3	0,0	36.3			0.0
24	0.0	9.7	1.0	52,3	0.0	5.3	2.3	0.0	61.0			0.0
25	2.3	0.0	23.4	32.3	0.0	10.9	3.3	0.0	63.5			0.0
26	0.0	0.0	0,0	0.0	4.6	32.5	0.0	10.2	88.1			0.0
27	25.9	0.0	11.9	13.7	16.0	19.1	1.5	0.0	22.9			0.0
28	1.8	61.7	9,4	0.0	69.3	19.1	0.0	0.0	1.0			0.0
29	0.0	73.4	ô.6	0.0	6.6	7.4	0.0	0.0	22.4			1.0
30	0.0		18.0	0,0	7.1	25.4	2.8	0,0	29.0			0.0
31	0.0		9.4		16.0		0.0	0.0				11.2
fotal	137.9	310.4	147.3	581.4	682.7	335.9	304.6	10.2	352.4		********	41.4

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1985

	1000												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1	0.0	7.6	0.0	17.8	0.0	23.4	28.7	0.0	7.1	50.8	59.4	1.3
	2	0.0	27.4	0.0	16.8	0.0	10.9	5.6	13.2	9.7	73.7	19.3	18.3
	Э	0.0	8.6	0.0	17.3	0.0	36.8	11.9	30,5	0.0	81.3	8.ô	20.8
	4	0.0	0.5	0.0	7.9	0.0	83.8	0.5	77.5	0.0	45.7	8.1	1.0
	5	0.0	8.1	0.0	12.7	0.0	36.8	9.7	0.0	0.0	24.9	1.5	1.3
	රි	0.0	1.8	0.0	7.4	0.0	11.4	. 7.1	0.0	0.0	10.7	35.1	0,0
	7	0.0	131.6	0.0	5.3	1.0	13.5	0.0	7.ô	0.0	1.8	3.1	0.0
	8	0.0	0.0	0.0	61.2	19.6	31.2	0.0	0.0	0.0	11.4	6.1	38.1
	9	0.0	0.0	33.3	1.0	7.9	7.6	8.1	44.5	0.0	1.3	52.4	0.0
	10	0,0	0.0	3.8	0.0	0.0	0.0	4.6	0.0	39.9	8.1	51.6	0.0
	11	0.0	0.0	- 8.9	1.3	0.0	0.0	2.3	7.6	8.1	2.0	58.9	0.0
	12	0.0	0.0	35.6	0.0	0.0	10.9	8.1	22.9	18.3	0.8	35.1	0.0
	13	0.0	0.0	0.0	1.8	1.0	47.8	15.8	0.5	0.0	4.6	0.8	0,0
	14	0.0	0.0	0.0	0.0	0.0	61.7	1.3	0.0	0.0	0.0	0.0	0.0
	15	0.0	0.0	0.0	0.0	6.9	35.1	0.5	0.0	0.0	0.0	0.0	30.7
	16	6.4	0.0	0.0	0.0	70.1	2.8	0.0	0.0	0.0	0.0	0.0	31.0
	17	7.1	0.0	24.1	0.0	60.5	0.8	0.0	0.0	0.0	0.0	0.0	14.7
	18	5.6	0.0	14.0	0.0	135.1	7.9	0.0	26.3	0,0	0.0	0.0	0.0
	19	0.0	0.0	17.0	9.1	108.7	53.6	0.0	0.0	5.8	0.0	0.0	0.0
	20	0.0	0.0	0.5	0.8	16.8	12.2	7.ô	0.0	4.3	68.1	0.0	0.0
	21	0.0	0.0	3.1	5.6	3.8	18.3	3.0	0.0	9.7	0.0	0.0	0.0
	22	0.0	0.0	0,0	8.1	43.2	33.0	0.0	0.0	12.7	0.0	17.3	0.0
	23	0.0	0.0	0.0	1.0	34.8	41.9	0.0	0.0	7.1	0.0	0.0	0.0
•	24	9.4	0.0	0.0	7.9	16.0	44.7	0.0	0.0	19.8	0.0	0.0	0.0
	25	0.0	.0.5	0.0	0.0	5.8	26.7	0.0	0.0	24.9	0.0	0.0	0.0
	26	0.0	0.0	0.0	0.0	5.6	12.2	8.1	0,0	33.0	16.3	0.0	7.6
	27	4.6	18.5	0.0	0.0	0.0	0.5	0.0	0.0	23.4	24,9	0.0	2.0
	28	2.5		0.0	0.0	0.0	0.0	8.6	0.0	50.3	0.5	0.0	0.0
	29	21.3		17.0	0.0	10.2		0.0	0.0	67.8	0.8	Ó.O	0.0
	30	8.1		0.0	0.0	12.2		0.0		14.7	1.3	0.0	0.0
	31	9.1		0.0		5.8		0.0	0.0		1.0		0.0
+-	Total	74.1	218.3	157.3	183.0	565.0	667.8	131.5	230.6	356.6	430.0	357.3	166.8

1000												
1986	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	41.5	0.0	0.0	i.0	14,0	8.1	16.5	7.6
2	0.0	0.0	18.3	0.0	38.1	1.3	0.0	5.3	0.5	1.3	14.7	15.2
3	Ó.0	0.0	15.2	0.0	54.4	0.5	0.0	1.3	1.0	2.5	11.2	0.8
. 4	0.0	0.0	10.9	0.0	22.9	20.3	0.0	0.0	0.0	4.1	14.0	0.0
5	8.1	0.0	0.0	1.Ò	17.8	25.4	0.0	0.0	0.0	1.5	1.8	10.2
6	11.7	0.0	0.0	11.7	2.0	40.6	0.0	47.5	1.8	1.8	1.3	0.5
7	8.4	0.0	0.0	0.0	87.3	31.2	0.0	83.8	0.0	5.1	0.5	1.0
8	7.6	0.0	47.2	0.0	17.8	26.2	0.0	42.4	0.5	1.0	0.0	1.3
9	8.9	0.0	3.3	0.0	23.4	0.0	0.0	25.4	0.0	0.5	0.0	12.7
10	5.8	73.2	0.0	0.0	0.0	0.0	0.0	40.1	0.0	13.7	0.0	1.8
11	0.5	10.7	0.0	0.0	0.0	- 1.0	0.0	18.3	0.0	2.5	3.3	0.3
12	0.0	4.6	0.0	0.0	0.0	14.5	0.5	. 1.0	0.0	1.0	10.2	0.0
13	0.0	0.0	0.0	1.5	0.0	22.9	1.0	0.0	5.1	30.2	1.8	0,5
14	0.0	0.0	1.3	11.2	0.0	23.4	23.1	0.0	15.8	0.8	0.0	0.0
15	0.0	.0.0	0.5	27.9	0.0	. <b>1.</b> 3	0.0	0.0	16.8	10.2	0.0	0.8
16	0.0	0.0	1.5	5.1	17.3	15.2	0.0	0.0	18.3	1.3	0.0	0.0
17	0.0	0.0	1.0	3.1	12.7	0.0	0.0	0.0	12.2	12.2	0.0	0.5
18	0,0	0.0	0.0	22.9	10.4	0.0	0.0	0.0	11.7	7.6	0.0	0.0
19	0.0	0.0	- 0.0	12.7	7 ô	0.0	0.0	0.0	1.3	0.8	14.0	2.0
20	0.0	0.0	0.0	7.6	11.2	0.0	0.0	0.0	0.8	0.0	45.8	7.6
21	0.0	0.0	3.1	1.5	1.5	0.0	0.0	0.0	10.4	0.0	4.1	2.5
22	0.0	0.0	2.0	0.5	10.2	1.5	0.0	0.0	2.0	0.0	0.0	0.0
23	0.0	0,0	0.0	0.0	1.0	0.8	0.0	0.0	16.0	0.0	0.0	1,0
24	0.0	0.0	5.1	0.0	0.5	1.0	0.5	0.0	14.5	0.0	0.0	0.0
25	0.0	15.8	0.0	0.0	0.0	6.6	0.0	0.0	11.2	0.0	0.0	- 1.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	11.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	10.2	1.0	0.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	5.1	0.0	0.0
29	0.0		0.0	0.5	69.3	0.5	0.0	1.3	68.6	3.3	0.0	0.0
30	0.0		0.0	24.9	8,4	1.0	0.0	1.0	3.3	20.6	0.8	0.0
31	0.0		0.0		0.0		0.0	0.8		22.9		0.0
Total	51.0	104.3	109,4	132.1	455.3	235.2	25.1	269.2	320.3	168.3	141.0	79.0

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1987												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.5	28.7	0.0	1.3	0.0	0.0	11.2	0.0
2	0.0	0.0	0.0	0.0	1,3	30.5	0.0	10.2	0.0	0.0	15.2	0.0
3	0.0	0.0	0.0	5.1	0.5	37.1	0.0	2.3	0.0	0.0	16.0	0.0
. 4	0.0	0.0	0.0	0.8	0.0	26.7	0.0	3.3	0.0	0.0	7.6	0.0
5	0.0	0.0	0.0	0.0	0.0	23.1	0.0	2.3	0.0	0.0	17.0	1.5
6	0.0	0.0	0.0	0.0	0.0	20.8	0.0	1.8	0.0	5.1	11.2	10.2
7	0.0	0.0	0.0	0.0	0.0	6.6	0.0	2.5	0.0	3.8	15.2	0.0
8	0.0	0.0	0.0	0.0	1.8	0.0	0,0	11.2	0.0	31.2	1.0	0.0
9	1.0	0.0	0.0	0.0	0.0	0,0	0,0	14.2	0.0	67.3	21.3	13.5
10	0.8	0.0	0.0	0.0	0.0	0.0	0.0	18.3	1.0	61.7	0.0	2.5
11	0.0	0.0	0.0	0.0	0.0	20.3	0,0	150.6	8.0	62.2	0.0	11.2
12	0.0	0.0	0.0	0.0	0.0	17.0	0.0	83.1	0.0	34.3	0.0	0.0
13	0.0	0.0	0.0	0.0	0,8	5 <b>.3</b>	0,0	15.2	1.0	63.5	59.7	0.0
14	1,3	0.0	0.0	0.0	1.0	15.2	0.0	16.0	8,6	45.2	53.3	0.0
15	0,0	0.0	Э.1	0.0	20.8	39,6	0.0	4, i	21.3	54.4	46.5	0.0
16	0.5	0.0	0.0	10.2	5.1	20.3	0.0	14.7	35.6	43.9	36.6	0.0
17	0.0	0.0	0.0	4.1	0.0	16.0	0.0	33.0	67.2	35.8	0.5	0.0
18	0.0	0.0	0.0	11.2	0.5	12.7	0.0	37.0	17.8	11.9	2.0	0.0
19	0.0	_0.0	0.0	45.8	1.2	8.6	0.0		81.3	0.0	1.5	0.0
20	0.0	0.0	0.0	43.2	0.0	0.5	0.0	30.5	40.6	0.0	1.0	0.0
21	0.0	0.0	0.0	11.7	0.0	0.0	0.0	19.1	35.6	0.0	14.5	0.0
22	0.0	0.0	0.0	7.6	0.0	0.8	0,0	16.3	58.4	10.2	1.3	0.0
23	0.0	0.0	0.0	1.0	4.1	1.0	0.0	6.1	85.1	31.2	0.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	20.3	54.1	0.0	0.0
25	0.0	0.0	0.0	0.0	1.0	0.2	0.0	12.7	30.5	41.7	0.8	20.3
26	0.0	0.0	0.0	0.0	12.7	8.6	0.0	16.3	147.3	10.9	0.0	0.0
27	0.0	0.0	0.5	0.0	7.1	0.0	0.0	7.6	40.6	67.8	0.0	0.0
28	0.0	0.0	10.2	0.0	15.2	0.0	0.0	5.3	4.6	1.0	0.0	0.0
29	0.0		0.8	13.2	10.2	0.0	0.0	1.0	0.0	10.2	0.0	0.0
30	0.0		0.0	1.0	55.9	0.0	0.0	0.3	0.0	30.4	0.0	0.0
31	0.0		0.0		38.9		0.0	0.0		18.3		0.0
Total	3.6	0.0	14.6	154.9	179.6	339.6	0.0	567.8	697.6	796.1	333.9	59.2

1988								÷			· .	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	1.5	0.0	0.1	23.1	27.1	0.0	7.6	0,0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.8	2.0	20.7	0.0	15.5	<u>0.0</u>	0.5	0.0
Э	0.0	0.0	1.0	0.0	0.0	0.8	7,1	0.0	16.3	0.0	0.3	0.0
4	0.0	0.0	0.0	0.0	0.0	6.4	0.0	20.5	9.1	0.0	1.0	0.0
5	0.0	0.0	10.7	0.0	0.2	17.8	40.6	15.2	51.3	0.0	1.3	22.4
6	0.0	0.0	11.2	0.0	0.2	16.5	24.1	11.2	61.5	11.0	0.8	20.3
7	0.0	0.0	25.2	0.0	50.8	8.9	35.8	36.1	35.6	0.0	0.0	0.0
. 8	0.0	0.0	0.0	0.0	1.5	24.1	25.7	5.3	24.1	0.0	0.0	0.0
9	0.0	0.0	15.2	53.3	0.0	1.3	10.4	0.0	10.2	0.0	0.0	0.0
10	0.0	0.0	0.0	99.8	0.0	0.5	8.1	28.7	7.6	0.0	0.0	0.0
11	0.0	0.0	12.7	8.4	0.0	0.8	20.3	0.8	27.2	0.0	0.0	0.0
12	0.0	0.0	0.0	42.4	0.0	0.0	61.0	36.1	170.2	0.0	0.0	0.0
13	0.5	8.4	12.7	0.0	0.5	2.5	10.2	10.4	12.2	0.0	0.0	0.0
14	1.3	0.0	0.0	0.0	0.0	1.0	0.0	10.2	27.2	0.0	0.0	0.0
15	0.0	0.0	170.4	0.0	2.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0
16	0.0	0.0	130.3	0.0	0.0	0.0	0.0	0.0	13,2	0.0	0.0	0.0
17	0.0	65.0	45.7	0.0	0.0	0.0	45.7	0.0	32.0	0.0	0.0	0.0
18	0.0	61.0	7.1		0.0	1.3	0.0	0.0	53.3	0.0	22.4	0.0
19	0.0	41.2	0.0	0:0	0.0	1,0	7.6	5.1	0.0	7.2	0.0	0.0
20	0.0	0.0	10.4	0.0	0.0	10.4	0.0	3.0	0.0	0.0	0.0	0.0
21	0.0	10.2	0.0	0.0	0.0	8.1	0.0	5.3	0.0	0.0	0.0	0.0
22	0.0	115.3	0.0	0.0	0.0	7.4	0.0	2.5	13.2	0.0	0.0	0.0
23	0.0	38.1	15.2	2.5	0.0	21.1	22.9	13.2	1.8	0.0	0.0	0.0
24	0.0	25.2	0.0	30.5	0.0	65.1	0.0	7.6	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	15.2	8.5	17.8	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	55.9	0.0	1.3	17.1	11.2	0.0	114.1	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	17.8	18.2	.21.1	0.0	15.2	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	25.4	12.3	- 13.5	0.0	42.2	0.0	0.0	0.0	0.0
29	0.0	177.8	0.0	2.5	23.5	414		27.2	0.0	0.0	0.0	0.0
30	0.0		0.0	0.5	13.1	101.6	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		3.6		0.0	0.0		0.0		- 0.0
Total	1.8	598.1	469.3	299.6	152.4	426.7	367.3	410.0	606,1	18.2	26.3	42.7

1989

	1303												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1	0.0	0.0	0.0	0.0	10.7	13.0	0.0	0.0	0.0	16.0	3.6	0.0
	2	0.0	0.0	2.0	0.0	44.5	38.9	0.0	0.0	0.0	0.0	0.0	0.0
	З	0.0	0.0	0.0	0.0	0.0	51.6	0.0	0.0	15.5	0.0	0.0	20.3
	4	0.0	0.0	0.0	0.0	19.1	28.9	0.0	0.8	20.6	0.0	0.0	0.0
	5	0.0	0.0	0,0	0.0	5.6	43.7	0.0	0.1	18.8	13.2	0.0	0.0
	6	0.0	0.0	0.0	0.0	15.8	41.7	0.0	1.5	14.2	0.0	0.0	0.0
	7	0.0	0.0	0.0	0.0	24.4	22.9	2.5	2.5	0.0	0.0	0.0	0.0
	8	0.0	0.0	0.0	0.0	43.9	26.7	3.1	0.0	0.0	0.0	0.0	0.0
	9	0.0	0.0	0.0	0.0	51.8	0.8	0.0	0.0	13.2	0.0	0.0	0.0
	10	0.0	0.0	4.1	25.1	74.7	1.0	43.4	0.0	0.0	0.0	0.0	0.0
	11	0.0	0.0	0.0	0.0	8.9	20.3	48.8	0.0	6.4	10.2	0.0	0.0
	12	C.0	0.0	0.0	0.0	11.2	36.1	38.1	0.0	15.8	0.0	0.0	0.0
	13	0.0	0.0	0,0	0.0	1,0	7.6	· 0.8	0.0	10.4	15.2	0.0	0.0
	14	1.3	0.0	0.0	0.0	2.8	4.1	2.8	0.0	18.0	25.2	0.0	0.0
	15	1.0	0.0	0.0	0.0	1.5	1.0	3,3	0.0	9.4	17.0	0.0	0.0
	16	12.7	0.0	0.0	0.0	0.8	0,8	1.8	0.0	0.0	17.3	0.0	0.0
	17	0.0	0.0	0.0	76.2	1.3	0.3	1.0	0.0	18.5	10.2	10.7	0.0
	18	0.0	0.0	0.0	61.2	14.5	ô.1	0.5	0.0	19.6	85.3	21.6	0.0
	19	0,0	0.0	0.0	12.7	11.2	6.9	1.3	0.0	11.7	16.3	18.5	0.0
	20	0.0	0.0	0.0	8.1	37.1	9.7	28.2	0.0	15.2	18.0	1.0	0.0
	21	0.0	0.0	0.0	2.8	20.8	10.2	20.3	0.0	20,3	10.2	0.0	0.0
	22	0.0	0.0	0.0	29.2	26.2	11.4	21.1	0.0	16.3	12.7	0.0	0.0
	23	0.0	0:0	0.0	22.4	33.8	13.0	0.0	0.0	17.3	0.0	0.0	0.0
	24	0.0	37.1	0.0	0.5	25.4	0.0	0.0	0.0	21.6	0.0	0.0	0.0
	25	0.0	0.0	0.0	14.0	8.4	8.4	0.0	0.0	15.8	11.2	0.0	0.0
	26	0.0	0.0	0.0	46.2	12.7	10.9	0.0	0.0	13.2	0.0	0.0	0.0
· .	27	0.0	0.0	0.0	97.3	4.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
	28	0.0	0.0	0.0	79.0	1.5	0.0	0.0	0.0	0.0	128.5	0.0	0.0
	29	0.0		0.0	0.0	41.2	0.0	0.0	0.0	0.0	0.0	0.0	40.6
	30	0.0		0.0	0.0	43.7	0.0	0.0	0.0	0.0	88.1	0.0	7.6
	31	0.0	•	0.0		0.8		0.0	0.0		11.7		0.0
	Total	15.0	37.1	6.1	474.7	599.4	416.8	217.0	4.9	311.8	506.3	55.4	68.5

Daily	Rainfall	at	Clyde	Estate

1990												
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	61.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	3.1	13.2	
2	0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0	13.2	25.2	
3	0.0	0.0	15.8	. 0.0	0.0	10.2	1.8	0.0	0.0	3.1	13.5	
4	0.0	0.0	0.0	0.0	74.2	15.2	13.2	0.0	1.8	0.0	10.2	
5	0.0	0.0	0.0	23.1	10.2	6.1	0.5	0.0	1.3	0.0	0.5	
6	0.0	0.0	0.0	0.0	9.1	1.0	1.0	0.0	0.5	0.0	64.8	
7	0.0	0.0	0.0	0.0	12,2	95.8	0.3	0.0	1.8	0,0	12.7	
8	0.0	0.0	0.0	0.0	25.2	16.8	0.8	8.0	0.8	0.0	52.6	
9	0.0	0.0	0.0	0.0	15.2	9.1	7.9	1.8	0.3	0.0	25.2	
10	0.0	0.0	0.0	0.0	12.2	10.9	27.2	0.0	2.5	0.8	0.0	
. 11	0.0	0.0	0.0	17.3	14.2	0.8	0.0	11.2	0.0	0.0	0.0	
12	0.0	0.0	0.0	40.1	0.0	2.5	0.0	3.1	0.0	0.3	0.0	
13	0.0	0.0	0.0	0.0	23.1	0.0	7.9	0.0	0.0	0.5	0.0	
14	0.0	0.0	0.0	0.0	22.1	0.0	8.1	0.0	0.0	10.7	0.0	
15	0.0	0.0	0.0	13.2	14.2	0.0	10.2	0.0	0.0	0.0	0.0	
16	0.0	0,0	0.0	52.8	55.1	0,0	16.5	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	23.9	
18	0.0	0.0	1.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	2.8	24.1	21.3	0.0	0.0	0.0	0.0	0.3	0.0	
20	0,0	0.0	17.8	18.0	7.9	0.0	0.0	0.0	0.0	1.0	0.0	
21	0.0	0.0	2.5	0.0	1.0	0.0	0.0	0.0	0.0	0.8	53.9	
22	0.0	0.0	4.3	23.1	4.1	.0.0	8.1	0.0	0.0	1.5	8.1	
23	0.0	5.1	6.1	0.0	2.5	0.0	5.8	0.0	0.5	0.0	10.2	
24	0.0	0.0	7.6	0.0	3.1	0.0	27.4	0.0	1.0	65.5	0.0	
25	0.0	0.0	13.0	0.0	7.6	0.0	1.3	0.0	0.0	38.4	0.0	
26	0.0	0.0	25.4	0.0	10.7	6.4	0.0	0.0	0.0	0.0	26.2	
27	0.0	0.0	0.5	0.0	17.8	6.6	0.0	0.0	0.0	1.5	25.2	
28	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	20.8	10.2	
29	0.0		1.5	24.1	1.5	0.0	0.0	0.0	0.3	46.0	0.0	
30	0.0		3.3	0.0	0.8	11.7	0.0	0.0	0.5	28.5	0.0	
31	0.0		.0.0		3.3		0.0	0.0		27.2		
Total	0.0	66.1	102.6	259.5	393.0	193.1	141.ĉ	16.9	11.3	263.2	375.6	

Daily	Rainfall	ના	Clyde	Estate

1991

1221										
									Oct	Dec
 1					25.4					 
2	<sup>-</sup> 0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	18.3	
3	0.0	0.0	0.0	0.0	27.9	0.0	0.0	0.0	34.3	
4	0.0				20.3	0.0	1.0	0.0	5.8	
5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.8	
6	0.0	0.0	4.1	0.5	7.6	0.0	0.0	0.0	1.3	
7	0.0	0.8	6.1	13.7	0.0	0.0	0.5	0.0	0.0	
8	0.0	0.0	11.2	0.0	0.0	22.9	5.6	0.0	0.0	
. 9	0.0	0.0	0.0	0.0	10.5	28.7	1.5	0.0	0.0	
10	97.0	0.0	0.0	0.0	7.9	12.2	13.2	0.0	0.0	
] 11	41.4	0.0	0.0	1.8	0.0	24.9	20.6	0.0	0.0	
12	0.0	0.0	0,0	40.6	0.0	0.8	7.1	0.0	15.8	
13	0.0	0.0	0.5	0.0	0.0	0.0	26.7	0.0	65.5	
14	0.0	0.0	1.8	1.1	0.0	7.1	38.9	0.0	1.0	
15	0.0	0.0	0.0	2.3	22.9	0.0	1.0	0.8	8.4	
16	15.2	0.0	0.0	1.3	12.7	0.0	2.8	24.9	21.3	
17	10.2	0.0	0.0	3.3	5.1	0.0	0.0		1.3	
18	0.0	0.0	0.0	0.5	0.0	0.0	0.0	8.1	0.8	
19	0.0	0.0	0.0	0.8	28.2	1.3	0.0	1.8	2.0	
20	0.0	0.0	0.0		5.1	0.0	0.0	0.0	111.0	
21	0.0	21.3	0.0	0.0	10.2	0.0	0.0		17.8	
22	0.0	0.0	2.8	0.0	0.0	0.0			8.1	
23	0.0	0.0	1.3			0.0			29.2	
24	0.0				0.0	0.0	8.0		125.7	
25	0,0	0.0	0.3	30.7	15.2	0.0	0.0		3.6	
26	0.0	1.0				0.0	0.0		4.1	
-27	0.0	0.0	0.0		7.6	0.0			7.1	
28	0.0	0.0	83.1		5.1			0.0	81.3	
29	0.0				2.5					
30	0.0		1.0	142.2	17.8	2.8	0.0	27.9	81.3	
31	0.0			137.2						
Total	163.8	58.7	127.0	525.3	272.7	137.8	154.0	134.8	733.9	

1992	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	34,5	0.0	0.0	0.0				0.0	.0	13.2	0.0	0.0
2	0.0	0.0	0.0	0.0				0.0	8.1	1.8	0.0	25.0
3	0.0	0.0	0.0	0.0				0.0	0.5	14.7	31.0	28.0
4	0.0	0.0	0.0	0.0				0.0	0.0	7.1	24.5	40.8
5	0.0	0.0	0.0	0.0				0.0	0.0	1.5	39.6	30.0
ô	0.0	0.0	0.0	0.0	•			1.5	13.2	10.2	0.4	5.3
7	0.0	0.0	0.0	0.0				4.1	19.0	1.8	0.7	0.0
8	0.0	0.0	0.0	0.0				0.0	47.2	10.2	0.0	0.0
9	0.0	0.0	0.0	0.0				0.0	0.5	12.7	0.0	0.0
10	0.0	0.0	0.0	0.0				0.0	25.2	31.8	20.4	0.0
11	0.0	0.0	0.0	0.0				1.3	20.3	20.3	87.5	0.0
12	0.0	0.0	0.0	0.0				0.0	2.5	35.5	85.4	0.0
-13	0.0	0.0	0.0	0.0				0.8	0.8	10.2	47.5	0.0
14	0.0	0.0	0.0	0.0				2.0	0.8	14.7	35.5	3.0
15	0.0	0.0	0.0	0.0				0.0	0.0	1.3	0.0	2,8
16	0.0	0.0	0.0	3.8				0.5	0.0	0.0	0.0	2.2
17	11.9	0.0	0.0	2.0				1.5	0.0	0.0	0.0	14.2
18	2.8	0.0	0.0	0.0				0.0	0.0	0.0	0.0	9.3
19	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0
20	.0.0	0.0	0.0	24.9				0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	5.2				0.0	2.0	0.0	7.5	0.0
22	0.0	0.0	0.0	1.3				0.0	4.6	0.0	39.4	0.0
23	0.0	0.0	0.0	1.3				0.0	0.0	0.0	51.3	0.0
24	0.0	0.0	0.0	5.3				0.0	0.0	0.0	. 2.0	0.0
25	0.0	0.0	0.0	12.1				3.1	0.0	0.0	2.1	0.0
26	0.0	0.0	0.0	<del>6</del> .2				5:3	47.2	0,0	11.5	0.0
27	0.0	0.0	0.0	3.3				6.4	45.2	0.0	76.4	0.0
28	0.0	0.0	0.0	0.7				10.2	32.0	6.4	1.ô	0.0
29	0.0	0.0	0.0	15.1				31.5	46.5	0.0	0.0	0.0
30	0.0		6.6	10.1				11.4	5.6	0.0	17.5	0.0
31	0.0		0.0					13.2		0.0		0.0
Totał	49.2	0.0	6.6	91.3	0.0	0.0	0.0	92.8	321.2	193.4	581.8	160.6

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DISCHARGE RATING CURVE AT PUTUPAULA

G = 76.05*(H+0.4) ^ 1.49 to: 1988 todate	+0.4) ^ 1.49 e	for 1976 to 1987		Discharg
J	Ξ	σ	x	i
(cunecs)	(meters)	(cumecs)	(neters)	Q(est)
494	00	40 K	0.0	(cumecs
27.1	0.1	87.8	0.61	111.
35.5	0.2	134.5	0.91	106.
44.7	0.3	184.0	1.22	257.
54.5	0,4	229.4	1.52	128.
65.0	0.5	277.5	1.83	*****
76.1	0.6	325.6	2.13	
87.7	0.7	379.4	2.44	
99.8	0.8	427.6	2.74	
112.4	0.9	478.5	3.05	
125.6	1.0		*************************	
139.1				
153.2	1.2			
167.7	1.3			
182.6	1.4			
197.9	1.5			
213.6	1.6		-	
229.7	1.7			
246.2	1.8			
263.1	1.9			
280.3	61			
297.9	2.1			
315.8	2.2			
352.7	2.4			
390.8	2.6			-
430.3	2.8			

thargre Measurement

Remarks	Jan.11	Jan.13	Jan.19	Feb.21	************
н (.s.g.)	0.825	0.725	1.525	0.705	****
Q(raw) (cumecs)	139.9	132.8	321.8	160.7	**********
G(est) (cumeos)	111.9	106.2	257.4	128,6	

# DISCHARGE RATING CURVE AT ELLAGAWA by Department of Irrigtion

Н	Q	Н	Q
(feet)	(cusecs)	(meters)	(cumecs)
13	200	3.96	5.66
14	350	4.27	9.91
15	450	4.57	12.74
16	900	4.88	25.48
17	1400	5.18	39.64
18	1950	5.49	55.21
19	2550	5.79	72.20
20	3200	6.10	90.61
21	4000	6.40	113.26
22	4900	6.71	138.74
23	5900	7.01	167.06

measured by Study Team

Q (cumecs)	H (feet)	H (m)	Remarks	
47.10 49.70 141.90 81.4	18.44 18.16 21.32 19.075	5.62 5.54 6.50 5.81	Jan.11 Jan.13 Jan.19 Feb.21	

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### ANNUAL FLOOD PEAK AT PUTUPAULA

M	Deale
Year	Peak (cu.m/s)
1943	2011
1944	1430
1945	1529
1946	2549
1947	1713
1948	1110
1949	1184
1950	1436
1951	1459
1952	1352
1953	1014
1954	1671
1955	1467
1956	1518
1956	1218
1957	793
1958	578
	708
1960 1961	
	1048 864
1962	
1963	1026
1964	947
1965	1226
1966	1000
1967	1283
1960	1047
1969	797
1970	1029
1971	978
1972	779
1973	657
1974	1055
1975	664
1976	807
1977	1444
1978	975
1979	
1960	873
1981	1155
1962	
1983	
1984	906
1965	926
1986	642
1987	
1988	1141
1969	739
1990	900
1991	948
1992	1079
••••	

Probability Analysis of Flood Peak at Putupaula

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Gumbel

•				
Т	1 – F	S	Y	Х
1000.	.00100	3.0902	6.907268	8.724
500.	.00200	2.8782	6.213620	8.331
400.	.00250	2.8071	5.990214	8.205
300.	.00333	2.7131	5.702115	8.042
250.	.00400	2.6521	5.519455	7,938
200.	.00500	2.5758	5.295813	7.812
150.	.00667	2.4748	5.007294	7.649
100.	.01000	2.3263	4.600150	7.418
80.	.01250	2.2414	4.375745	7.291
60.	.01667	2.1281	4.085954	7.127
50.	.02000	2.0537	3.901940	7.023
40.	.02500	1.9600	3.676248	6.895
30.	.03333	1.8339	3.384294	6.730
25.	,04000	1.7507	3.198534	6.625
20.	.05000	1.6449	2.970195	6.495
15.	.06667	1.5011	2.673752	6.328
10.	.10000	1.2816	2.250367	6.088
8.	.12500	1.1503	2.013419	5.954
5.	.20000	.8416	1.499940	5.663
4.	.25000	.6745	1.245899	5.519
3.	.33333	.4307	.902720	5.325
2.	.50000	.0000	.366513	5.021
* 3.	.66667	4307	094048	4.761
* 4.	.75000	6745	326634	4.629
* 5.	.80000	8416	475885	4.545
* 8.	.87500	-1.1503	732099	4.400
* 10.	.90000	-1.2816	834032	4.342
* 15.	.93333	-1.5011	996229	4.250
* 20.	.95000	-1.6449	-1.097189	4.193
* 25.	.96000	~1.7507	-1.169032	4.152
* 30.	.96667	-1.8339	-1.224127	4.121
* 40.	.97500	-1.9600	-1.305323	4.075
* 50.	.98000	-2.0537	-1.364055	4.042
* 60.	.98333	-2.1281	-1.409607	4.016
* 80.	.98750	-2.2414	-1.477512	3.978
* 100.	.99000	-2.3263	-1.527180	3,949
* 150.	.99333	-2.4748	-1.611563	3.902
* 200.	.99500	-2.5758	-1.667390	3.870
* 250.	.99600	-2.6521	-1.708642	3.847
* 300.	.99667	-2.7131	-1.741130	3.828
* 400.	.99750	-2.8071	-1.790336	3.800
* 500.	.99800	~2.8782	-1.826905	3.780
*1000.	.99900	-3.0902	-1,932647	3.720

## EXTENT OF SALINITY INTRUSION

6 - 77

.

MEASUREMENT OF SALINITY on February 9, 1994 (O=90 cu.m/s)

MEASUREMENT OF SALINITY on January 31, 1994 ( O=60 cu.m/s)

	T(deg)		284	284	283	282	28.3	28.5	28 <del>6</del>	287	288	28.5	28 G	28.7	288	287	283	292	23.6	287	285	0.62	288	1.62	285	29.3	
Betton	C(ppm)		8,004	8,064	4 608	39	5	29	26	8	29	29	62	53	53	53	29	58	<b>5</b> 8	28	8	<del>1</del> 0	12800	12800	12800	1926	
	T(deg)	28.8	28.6	28.5	283	28.8	28.6	28.7	291	29.3	29.2	28.7	28.7	28.8	29.0	29.0	29.2	<u>80.4</u>	30.2	29.1	29.2	29.3	29.9	29.7	29.3	29.9	
Surface	C(ppm)	250	160	160	78	41	8	26	26	28	28	28	29	53	59	8	29	28	28	28	8	42	105	192	635	589	
Depth	(m)	4.95	3.35	3.70	4.22	4.27	4.50	3,35	10.20	10.00	3.60	13.00	7.20	5.10	8.53	10.20	3.90	7.50	7.80	5.10	4.80	3.90	4.50	6.30	3.90	3.00	
Time		10:29	10:35	10:45	10:50	11:00	11:16	11:26	11:36	11:58	12:53	13:10	13:20	13:30	14:05	14:12	14:25	14:45	15:00	15:10	15:21	15:34	15:45	15:50	15:57	16:05	
×	(km)	-2.25	-1.25	-0.25	0.00	1.42	3.11	4.54	5.56	8.30	11.16	13.13	14.00	15.31	14.00	13.13	11.16	8.00	5.56	4,54	3.11	1.42	0.00	-0.25	-1.25	-2.25	
l.ocation		1 Estuary	č.	03	4 K.Bridge	ഗ	დ		, ∞	თ	•		. 2	ღ	N		•	' 0	۰ ۵		• 9	ю	4 K.Bridge	. 0	N	1 Estuary	
No.												4		-		-	<del>, -</del>										
	T(deg)						28.5	28.8	29.4	29.2									28.8	28.9	29.1	28.9	28.6				
Bottom	C(ppm)						12,800	8	88 89	35									34	8	40	2,675	12,800				
	T(deg)		29.0	28,9	29.1	29.7	29.8	29.9	29.6	31.1	29.5	29.9			29.8	29.6	29.9	29.7	29.8	29.7	29.4	30.0	29.9				
Surface	C(ppm)		4,813	3,987	2.688	2,547	166	42	98 98	35	29	8		8	28	8	8	3	55	37	40	503	1,088				
Depth	(m)	2.4	4.8	3.7	0 0	0.0	4.5	4.E	2.8	7.0	5.2	7.8	9.1	5.0	0 0	16.0	4.9						ে भ				
Time		10.52	10:40	10:48	10:57	13:40	13:49	14:00	14.18	14:27	14.41	14:49	15:01	15:13	15:25	15:30	15.42	16:22	16:30	16.42	16:52	17:04	17:15				
×	(km)	-2.25	-2.25	-1.25	-0.25	0.00	1.42	3.11	4.54	5 56	7.27	8.S0	965	11.16	13.13	14,00	15.31	8.50	7.27	5.56	4.54	3.11	1.42				
Location		Estuary	·			(Bridge	۰.	,									F			,						·	
0N		. щ	01	Ø	4	ч С	Q	<b>t</b> ~	3	Ø	10	11	ŝ	ရ	4	15	16	11	10	ማ	0	7	ç				

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0 2	Location	۸ (kra)	रू हा 1	. Ueptn (m)	Surface C(ppm)	T(deg)	Bottom C(ppm)	T(deg)
ŝ	Estuary	-2.25	9.50	2.5	4,160	29,9	4,672	
<i>c</i> )		-1.25	9,55	5	3,712	<u>80.2</u>	12,800	•
4		-0.25	10:05	2.4	4,032	30.4	9,088	8
S	h Bridge	00'0	10:10	3.6	3,072	30.1	12,800	52
9	۰.	1.42	10:25	6.0	1,408	30.3	12,800	23
~		3.11	10:35	4.2	1,216	30.3	12,800	ŝ
80		4.54	10:47	4.7	1,024	30.2	12,800	
თ		5.56	10:55	10.3	52	30.1	6,528	8
οĽ	•	7.27	11:10	4.6	8	29.6	43	స
Ś	•	1.42	13:20	5.9	1,024	31,3	12,800	8
·~		3.11	13:30	6.6	640	30.6	12,800	8
8		4.54	13-40	2.3	576	30.3	1,280	X
თ		5.56	13:48	10.8	48	30.1	5,120	К
10		7.27	14:00	5.7	41	30.0	37	ž
Ξ		8.60	14:07	10.8	28	30.3	42	ä
12		9.65	14:15	6.9	67	30.4	41	20
თ		5.56	15:00	11.2	77	30.4	6,592	
39		4.54	15:08	8.4	384	30.1	10,048	
i∼		3.11	15:20	4.5	896	30.3	12,800	ਲ

MEASUREMENT OF SALIMITY on March 4,1994 (O #40 cu.m/s)

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#### WATER-LEVEL ON SALINITY MEASUREMENT

Date	Time	Kalutara (m.SG)	Kalutara (m.MSL)	Colombo (m.\$G)	Colombo (m.MSL)	Pulupau (m.\$G)	Pulupau (m.MSL)	Ellagaw (f.SG)	Ellagawa (m.S.G)
31/01/94	.7			0.62	0.19			16,50	5.03
31/01/94	8			0.45	0.02			16.50	5.03
31/01/94	9			0.32	-0.11	·		16.50	5.03
31/01/94	10	0.69	-0.06	0.26	-0.17	0.47	0.42	16.50	5.03
31/01/94	11	0.64	-0.11	0.28	-0.15	0.35	0.30	16.50	5.03
31/01/94	12	0.69	-0.06	0.37	-0.06	0.32	0.27	16.50	5.03
31/01/94	13	0.77	0.02	0.50	0.07	0.30	0.25	16.40	5.00
31/01/94	14	0.89	0.14	0.65	0.22	0.39	0.34	16.40	5,00
31/01/94	15	1.05	0.30	0.78	0.35	0.52	0.47	16.40	5.00
31/01/94	16	1.18	0.43	0.86	0.43	0.62	0.57	16.40	5.00
31/01/94	17	1.25	0.50	0.89	0.45	0.76	0.71	16.45	5.01
						••••••	·····		

D.L.=-0.749m D.L.=-0.43m D.L.=-0.054m

Date	រីime	Kalutara (m.SG)	Kalutara (m.MSL)	Colombo (m.SG)	Colombo (m.M\$L)	Pulupau (m.SG)	Pulupau (m.MSL)	Ellagaw (f.SG)	Ellagawi (m.S.G)
						, ,	•••••		·····
09/02/94	7			0.38	-0.05			18.10	5.5
09/02/94	-8			0.35	-0.09			18.10	5.53
09/02/94	9			0.38	-0.05			18.05	5.5
09/02/94	10	0.60	0.22	0.46	0.03	0.57	0.52	18.00	5.4
09/02/94	11	0.70	0.32	0.56	0.13	0.60	0.55	18.00	5.4
09/02/94	12	0.82	0.44	0.66	0.23	0.65	0.60	17.90	5.4
09/02/94	13	0,91	0.53	0.74	0.31	0.71	0.66	17.70	5.3
09/02/94	14	0.95	0.57	0.76	0.33	0.77	0.72	17.65	5.3
09/02/94	15	0.95	0.57	0.73	0.30	0.81	0.76	17.55	5.3
09/02/94	16	0.89	0.51	0.65	0.22	0.85	0.80	17.50	5.3
09/02/94	17			0.54	0.11			17.60	5.3

D.L.=-0.380m D.L.=-0.43m D.L.=-0.054m

							1		
Date	Time	Kalutara	Kalutara	Colombo	Colombo	Putupau	Putupau	Ellagaw	Ellagawa
		(m.SG)	(m.MSL)	(m.\$G)	(m.MSL)	(m.SG)	(m.MSL)	(I.SG)	(m.\$.G)
••••••		••••••						•••••	
04/03/94	7			0.63	0.20	0.55	0.50	15.60	4,75
04/03/94	8			0,54	0.11	0.49	0.44	15.60	4.75
04/03/94	9	0.24	0.13	0.44	0.01	0.34	0.29	15.60	4.75
04/03/94	10	0.18	0.07	0.36	-0.07	0.26	0.21	15.60	4.75
04/03/94	11	0.12	0.01	0.31	-0.12	0.24	0.19	15.55	4 74
04/03/94	12	0.09	+0.02	0.33	-0.10	0.22	0.17	15.55	4.74
04/03/94	13	0.14	0.03	Q.39	-0.04	0.23	0.18	15,50	4.72
04/03/94	14	0.21	0.10	0.49	0.06	0.27	0.22	15,50	4.72
04/03/94	15	0.29	0.18	0.59	0,16	0.35	0.30	15,50	4.72
04/03/94	16	0.40	0.29	0.68	0.25	0.42	0.37	15.50	4.72
04/03/94	17			0.74	0.31	0.48	0.43	15.50	4.72
••••••••••	••••		••••••			••••		••••••	
		O L. = -0.109	m	D.L.=-0.43	m	D.L.=-0.05	4m		

#### DISCHARGE ON SALINITY MEASUREMENT

					Aella=13	93km2, Apu	ltu = 2598kr	n2
Date	Time	Putupau	Putupau	Putupau	Ellagaw	Ellagawa	Ellagaw	Ella* 1.865
		(m.\$G)	(m.MSL)	(M3/S)	(I.SG)	(m.SG)	(M3/S)	(M3/S)
					•••••	••••••	••••••	
31/01/94	- 7				16.50	5.03	32.56	60.72
31/01/94	8				16.50	5.03	32.56	60.72
31/01/94	9		• •		16.50	5.03	32.56	60.72
31/01/94	10	0.47	0.42	\$6.17	16.50	5.03	32.56	60.72
31/01/94	11	0.35	0.30	44.32	16.50	5.03	32.56	60.72
31/01/94	12	0.32	0.27	41.50	16.50	5.03	32.56	60.72
31/01/94	13	0.30	0.25	39.66	16.40	5.00	31.14	58.08
31/01/94	14	0,39	0.34	48.17	16.40	5.00	31.14	58.08
31/01/94	15	0.52	0.47	61,38	16.40	5.00	31.14	58.08
31/01/94	16	0.62	0.57	72.23	16.40	5.00	31,14	58.08
31/01/94	17	0.76	0.71	88.37	18.45	5.01	31.62	58.97
					*********		••••••••••••••••••••••••••••••••••••••	

D.L.=-0.054m

Date	Tîme	Pulupau	Putupau	Pulupau	Ellagaw	Ellagawa	Ellagaw	Ella* 1.865
		(m.SG)	(m.MSL)	(M3/S)	(f.SG)	(m.\$G)	(M9/S)	(M3/S)
·····					•••••••			
09/02/94	7				18.10	5.52	55.91	106.14
09/02/94	8				18.10	5.52	56.91	106.14
09/02/94	9				18.05	5.50	55,78	104.03
09/02/94	10	0.57	0.52	66.73	18.00	5.49	55.21	102.97
09/02/94	11	0.60	0.55	70.01	18.00	5.49	55.21	102.97
09/02/94	12	0.65	0.60	75.60	17.90	5.46	53.70	100.15
09/02/94	13	0.71	0.66	82.48	17.70	5.39	50.19	93.60
09/02/94	14	0.77	0.72	89.56	17.65	5.38	49.69	92.67
09/02/94	15	0,81	0.76	94.39	17.55	5.35	48.18	89.86
09/02/94	16	0.85	0.80	99.29	17.50	5.33	47.17	87.97
09/02/94	17			19.42	17.60	5.36	48.68	90.79
							·····	••••

D.L.=-0.054M

Date	Time	Pulupau	Putupau	Pulupau	Ellagaw	Ellagawa	Ellagaw	Ella* 1
		(m.\$G)	(m.MSL)	(M3/S)	(f.SG)	(m.SG)	(M3/S)	(МЭ
04/03/94	7	0.55	0.50		15.60	4.75	20.13	:::::::::::
04/03/94	8	0.49	0.44		15.60	4.75	20,13	:
04/03/94	9	0.34	0.29		15.60	4.75	20.13	:
04/03/94	10	0.26	0.21	36.06	15.60	4.75	20,13	:
04/03/94	11	0.24	0.19	34.30	15,55	4.74	19,73	\$
04/03/94	12	0.22	0.17	32.57	15,55	4.74	19,73	;
04/03/94	13	0.23	0.18	33.43	15.50	4,72	18,90	·
04/03/94	14	0.27	0.22	36.95	15.50	4.72	18,90	3
04/03/94	15	0.35	0.30	44.32	15,50	4.72	18.90	:
04/03/94	16	0.42	0.37	51.12	15.50	4.72	18,90	3
04/03/94	17	0.48	0.43	57.20	15,50	4.72	18.90	6

D.L.=-0.054m

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DEPTH OBSERVATION OF KALU GANGA June 15, 1994

June 10, 1994 NO	(km)	Time	h(ctr) (m)	h(max) (m)	H(Ktr) (m.MSL)	H(Ptp) (m.MSL)	H (m.MSL)	· Z (m.MSL)	Lowest Z (m.MSL)
1 Kalutara I.	a I. 15.44	10:17	3.2	3 4 3 1 1 1 1 3 3 4 4 1 1 3 4 4 5 5 4 4 5 5 4 4 5 5 4 4 5 7 1 4 4 5 7 1 4 4 5 7 1 4 4 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.41	0.51	0,49	-2.71	
C)	15.98	10:24	11.2	:	0.41	0.51	0,49	-10.71	
ო	16.61	10:33	3.0		0.40	0.51	0,49	-2.51	
4	17.34	10:38	6. 4		0.40	0.50	0.49		
IJ	18.39	10:47	1.8		0.40	0.50	0.49	-1.31	·
6 Putupaula	ula 19.95	11:16	4.9.4		0.39	0.49	0.49	-4.41	
2	20.41	11:20	С! Т		0.38	0.49	0.49	-0.71	
ω	20.87	11:25	2.0		0.38	0,48	0.48	-1.52	
ຑ	21.30	11:29	ω 4		0.38	0.48	0.49	-2.91	
10	21.87	11:34	8.8		0.38	0.48	0.49	-0 -0 -0 -0	
	22.18	11:38	6.4 0		0.38	0.48	0.49	-3.81	
<u>(N</u>	22.75	11:42	<u>ດ</u> .	2.5	0.38	0.48	0.49	-1.41	-2.01
<del>.</del> S	23.14	11:47	2.0		0.37	0.47	0,49	-1.51	
4	23.89	11:53	ເ ເ ເ ເ ເ ເ ເ เ เ เ เ เ เ เ เ เ เ เ เ เ	4,0	0.37	0.47	0:49	-3.01	-3.51
15	24.05	11:56	1. D	сі 4	0.37	0.47	0.49	-1.01	0.1-
16 Intake Sit	sit 24.47	12:02	2.0	4.2	0.37	0.47	0.49	-1.51	-3.71
17	25.29	12:10	2.0	3.0	0.38	0.47	0.49	-1.51	-2.51
18 Kuda G.	26.00	12:29	6.5 0	6.5	0.39	0.47	0.49	-6.01	-6.01
<del>1</del> 0	26.16	12:34	<u>-</u>	40 40	0.40	0.48	0.50	-0.70	-1,30
20 Drop	27.14	10:40 1	5.0	ອ. ອ.	0.41	0.48	0,51	-1,49	-3,29
Location	u u	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			okm	19.95km		2	1 3 1 3 3 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8

Z-JUN15.WQ1

June 20, 1994				•					
O Z	×	Time	h(ctr)	h(max)	H(ktr)	H(ptp)	r i	N	Lowest Z
	(km)		Ê.	٤	(m.MSL)	(m.MSL)	(m.MSL)	(m.MSL)	(m.MSL)
1 Kalutara I.	15.44	11:17	6. G	W C C C C C C C C C C C C C C C C C C C	0.67	1.18	1.06	-2.24	1
ભ	15.98	11:21	10.5		0.67	1.18	1.08	-9.42	
ო	16.61	11:25	6.5		0.67	1.18	1.09	-5.41	
4	17.34	11:29	0.0 9.0		0.67	1.19	1.12	-1.88	
ß	18.39	11:40	3.5		0.67	1.19	1.15	-2.35	
Q	19.95	11:52	9.2 9	4.8	0.66	1.19	1 19	-2.01	-3.61
2	20.41	11:56	2.0	ы 4	0.66	1.19	1.20	-0,80	-1,20
ß	20.87	12:01	2		0.66	1.20	1 22	-0.98	
თ	21.30	12:04	4.4		0.66	1.20	1.24	-2.86	
10	21.87	12:08	7.6		0.66	1.20	1.25	-6.35	
+ +	22.18	12:12	G.G		0.66	1.20	1.26	-2.04	
	22.75	12:16	3.0		0,66	1.21	1.29	-1.71	·
ۍ ا ا	23.14	12:18	2.6		0.66	1.21	1.30	-1,30	
4-	23,89	12:24	4 Vi		0.66	1.21	1.32	-2.88	
15	24.05	12:26	5.2		0.66	1.21	1.32	-1.18	
16 Intake Sit	24,47	12:30	3.0	4.G	0.66	1.22	1.35	-1.65	-3.15
17	25.29	12:36	3.2		0.65	1.22	1.37	-1.83	
18 Kuda G.	26.00	12:41	6 4		0.65	1.22	1.39	-7.01	
10 1	26.16	12:43	2.0		0.65	1.23	1.41	-0.59	
20 Drop	27.14	12:49	<u>Э</u> .О		0,65	1.23	1.44	-1.56	
Location		4 	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	okm	19.95km	1 9 4 2 5 2 6 4 8 9 9 % 6 6 6 8 9 9	4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

DEPTH OBSERVATION OF KALU GANGA June 20,1994

Z-JUN20.WQ1

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# WATER LEVEL AT GAUGING STATIONS on June 15 194

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Time	Port(est)	Kalutara	Putupaul	Ferry	Ellagawa	Ellagawa
	(m.SG)	(m.SG)	(m.SG)	(m.SG)	(f.SG)	(cu.f/s)
7	0.61		0.69	0.56	17.6	1730
8	0,53	0.40	0.67	0.56	17.6	1730
9	0.44	0.31	0.64	0.56	17.6	1730
10	0.37	0.23	0.57	0.56	17.6	1730
11	0.34	0.20	0.55	0.56	17.6	1730
12	0.35	0.18	0.52	0.55	17.6	1730
13	0.42	0.23	0.53	0.54	17.6	1730
14	0.51	0.29	0.56	0.54	17.6	1730
15	0.59	0.34			17.6	1730
16	0.66	0.40			17.6	1730
17	0.70	0.48			17.6	1730

Time	Port (m.MSL)	Kalutara (m.MSL)	Putupaul (m.MSL)	Ferry (m.MSL)	Ellagawa (m.SG)	Ellagawa (cu.m/s)
7	0.18		0.64	1.09	5.36	48.91
8	0.10	0.59	0.62	1.09	5.36	48.91
9	0.01	0.50	0.59	1.09	5.36	48.91
10	-0.06	0.42	0.52	1.09	5.36	48.91
- 11	-0.09	0.39	0.50	1.09	5.36	48.91
12	-0.08	0.37	0.47	1.08	5.36	48.91
13	-0.01	0.42	0.48	1.07	5.36	48.91
14	80.0	0.48	0.51	1.07	5.36	48.91
15	0.16	0.53			5.36	48.91
16	0.23	0.59			5.36	48.91
17	0.27	0.67			5.36	48.91
	DL=-0.43r	n	DL=-0.05			

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DL=0.19m DL=0.529m

## WATER LEVEL AT GAUGING STATIONS on June 20 ~ (수

Time	Port(est) (m.SG)	Kalutara (m.SG)	Putupaul (m.SG)	Ferry (m.SG)	Ellagawa (f.SG)	Ellagawa (cu.f/s)
 7	0.33	0.16	1.30		20.05	
8	0.39	0.24	1.25	-	20.10	
9	0.48	0.34	1.24	· -	19.90	
10	0.58	0.43	1.23	-	19.90	
11	0.66	0.49	1.23	-	19.80	
12	0.72	0.47	1.25	-	19.80	
13	0.73	0.46	1.29	-	19.75	;
14	0.70	0.42	1.32	-	19.70	
15	0.64	0.38	1.36	-	19.60	
16	0.56	0.29	1.35	-		
17	0.48	0.23	1.33			

Time			Putupaul (m.MSL)		-	5
7	-0.10	0.35	1.25			
8	-0.04	0.43	1.20	-	6.13	92.88
9	0.05	0.53	1.19	-	6.07	88.83
10	0.15	0.62	1.18	-	6.07	88.83
11	0.23	0.68	1.18	-	6.03	86.45
12	0.29	0.66	1.20	-	6.03	86.45
13	0.30	0.65	1.24	-	6.02	85.86
14	0.27	0.61	1.27	-	6.00	84.67
15	0.21	0.57	1.31	-	5.97	82.89
16	0.13	0.48	1.30			
17	0.05	0.42	1.28	-		
	DL=-0.43n	<b>n</b>	DL=-0.054	m		

Γ1	=∩	19m	

DL=0.529m

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	Average	Lowest Z	(m.MSL)	4 5 2 5 4 7 3 3 4 8 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1		•			-3.61	-1.20					-2.01	·	-3.51	1.01-	-3.43	2.51	-6.01	-1,30	-3.29
	Average	2	(m.MSL)	-2.47	-10.07	-3.96	-1.90	-1.83	-3.21	-0.75	-1.25	-2,89	-7.33	-2.92	-1.56	-1- -1-	-2.95	60.1-	-1.58	-1.67	-6.51	-0.65	-1.53
	94	Lowest Z	(m.MSL)						-3.61	-1.20									-3.15				
	June 20,1994	N	(m.MSL)	-2.24	9.42	-0.41	-1.88	-2.35	-2.01	-0.80	-0.98	-2.86	-0.35	-2.04	-1.71	-1.30	-2.88	-1.18	-1.65	-1.83	-7.01	-0.59	-1.56
	94	Lowest Z	(m.MSL)	.   .   .	-		·				·				-2.01		-3.51	-1.91	-3.71	-2.51	-6.01	-1.30	-3.29
IVER-BED	June 15,1994	И	(m.MSL)	-2.71	-10.71	-2.51	1.91	-1.31	4 4	-0.71	-1.52	-2.91	-8.31 10.31	-3.81	- 1 - 4	-1.51	-3.01	-1.01	-1.51	-1.51	-6.01	-0.70	-1.49
		×	(km)	15.44	15.98	16.61	17,34	18,39	19.95	20.41	20.87	21.30	21.87	22,18	22.75	23.14	23.89	24.05	24.47	25.29	26.00	26.16	27.14
AVERAGE ELEVATION OF RIVER-BED				Kalutara I.															Intake Sit		Kuda G.		Drop
AVERAC		ÖZ	·	<b>T</b>	C/I	ო	4	Û	Q	7	Ø	თ	0	+ +	<u>с</u>	ი	4	1 0	10 1	17	1 8	ဂို	20

AVZ.WQ1

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LONGITUDINAL PROFILE OF RIVER BED

LONGITUDINAL PROFILE OF KALU GANGA

•

dx Avg-Z	(10 M m)		389 -3.72846	614 -3.67118	3743.6527		975 -3.61071	218 -3.42921	184 -3.53974	806 -3,5837			002 -3.98591	432 -4.22153	296 -4.49218	,		945 -4.73435	389 -4.6682	825 -4.52777	312 -4 38869	108 -4.34047	-0.46 -4.27492	901 -4.2352	-4.13642		-	915 -4.06608	635 -4,01262	•	607 -3.95924		
avgZ*dx			0.98 -3.65389	1.24 -4.49614	0.35 -1.2374	.56 -5.85103	.68 -5.73975	.53 -4.19218	.02 -4.42184	.65 -6.2806	07 -3.05049	1.36 -8.15027	1.5 -8.49002	1.93 -11.432	93 -8.47296		0.54 -3.38		0.73 -2.1		56 -3.9312			0.43 -0.8901		-	57 -1.2768						
xp dx	i			ı	Ŭ					<b>*</b>	·.	-			<u> </u>											_							
avg-Z	;	2 2	343.72846	11 -3.62592					8 -4,33513		• •		30 -5.66001	24 -5.92330	98 -9.11071	17 -6.22404		•		•		75 -1.98	35	39 -2.07		,	56 -2.24	11 -1,485	95 -2.18	09 -2.02	58 -1.335	•	
Z /** MCI /		7 -3.62		5 -3.41				7 -2.49			t -4.27																			1.09			
X	(KTN)	-2.57	-1.5	-0.35	0.0	1.5	3.2	4.7	5.7	7.44	8.51	9.8	11.3	13.30	14.2	15.4	15,9	16.6	17.3	18.3	19.95	20.4	20.8	21.3	21.8	22.1	22.7	23.1	23.89	24.05	. 24.47	25.29	26.00
		•	-															•															
Lowest Z	(m.iviol)							3-													-3.61	-1.20					-2,01		-3,51	-1.91	-3.43	-2.51	-6.01
HL.	(m)	4,82	5.04	4.61	8.09	4,97	5.33	4.61	8,49	3.40	6.19	10.45	6.19	11 16	13.02	6.26	13.70	7.91	5.80	6.00	7.41	5.15	5.83	7.68	12.57	8.07	6.50	6.55	8.43	6.67	7.18	7.05	13.03
Bnk /*: Mel V	(חכואיש)	1.20	1.20	1.20	4.43	1.12	2,34	2.12	2.31	1.96	1.92	2.74	2.59	2.92	3.04	3.79	3.63	3.95	3.90	4,17	4,20	4,40	4.58	4.79	5.24	5.15	4.94	5,14	5.48	5.58	5.60	5.38	6.52
n (	(m)	317.0	313.5	433.1	563.9	276.7	172.8	114.5	196.4	146.0	123.7	138.6	144.8	130.5	97.9	99.3	89.1	100.3	116.3	123.2	77.6	94.2	114.6	116.6	109.4	106.6	103.0	105.8	129.6	130.9	112.2	85.0	76.0
Z /mei/	(III.MOL)	-3.62	-3.84	-3.41	-3.66	-3.84	-2.99	-2.49	-6.13	-1.43	-4.27	-7.72		-8.24	-9.98	-2.47	-10.07	-3.96	-1.90	-1.83	-3.21	-0.75	-1.25	-2.89	-7.33	-2.92	-1.56	-1.41	-2,95	1.09	-1.58	-1.67	-6.51
X \very	Ê	-2.57	6 <u>6</u> ,	સે	8	56.	5.24	1.1	5.79	7,44	3.51	9.87	1.37	3.30	4.23	5.44	0.98	61	.34	3.39	9.95	.41	0.87	8.1	1.87	2.18	2.75	5.14	3.89	4.05	4.47	5.29	800

### RIVER WIDTH OF KALU GANGA

X (km)	dX (m)	acc.X (m)	Width (m)	dA (m2)	mean W (m)
(((()))	(11)	(10)	(11) aireanairean	(mz)	(11)
-2.6	0.0	0.0	317.0	0.0	·
-2.0	570.0	570.0	399.2	204117.0	358.1
-1.0	1000.0	1570.0	190.1	294650.0	317.7
0.0	1000.0	2570.0	563.9	377000.0	340.8
1.0	1000.0	3570.0	354.8	459350.0	374.0
2.0	1000.0	4570.0	215.4	285100.0	354.5
3.0	1000.0	5570.0	177.4	196400.0	326.1
4.0	1000.0	6570.0	158.4	167900.0	302.1
5.0	1000.0	7570.0	101.4	129900.0	279.3
6.0	1000.0	8570.0	221.7	161550.0	265.6
7.0	1000.0	9570.0	171.1	196400.0	258.3
8.0	1000.0	10570.0	114.0	142550.0	247.4
9.0	1000.0	11570.0	133.1	123550.0	236.7
10.0	1000.0	12570.0	139.4	136250.0	228.7
11.0	1000.0	13570.0	133.1	136250.0	221.9
12.0	1000.0	14570.0	164.7	148900.0	216.9
13.0	1000.0	15570.0	145.7	155200.0	212.9
14.0	1000.0	16570.0	95.0	120350.0	207.3
15.0	1000.0	17570.0	107.7	101350.0	201.3
16.0	1000.0	18570.0	88.7	98200.0	195,7
17.0	1000.0	19570.0	107.7	98200.0	190.8
18.0	1000.0	20570.0	133.1	120400.0	187.3
19.0	1000.0	21570,0	107.7	120400.0	184.2
20.0	1000.0	22570.0	76.0	91850.0	180.1
21.0	1000.0	23570.0	120,4	98200.0	176.7
22.0	1000.0	24570.0	107.7	114050.0	174.1
23.0	1000.0	25570.0	101.4	104550.0	171.4
24.0	1000.0	26570.0	133,1	117250.0	169.4
25.0	1000.0	27570.0	88.7	110900.0	167.2
26.0	1000.0	28570.0	76.0	82350.0	164.3

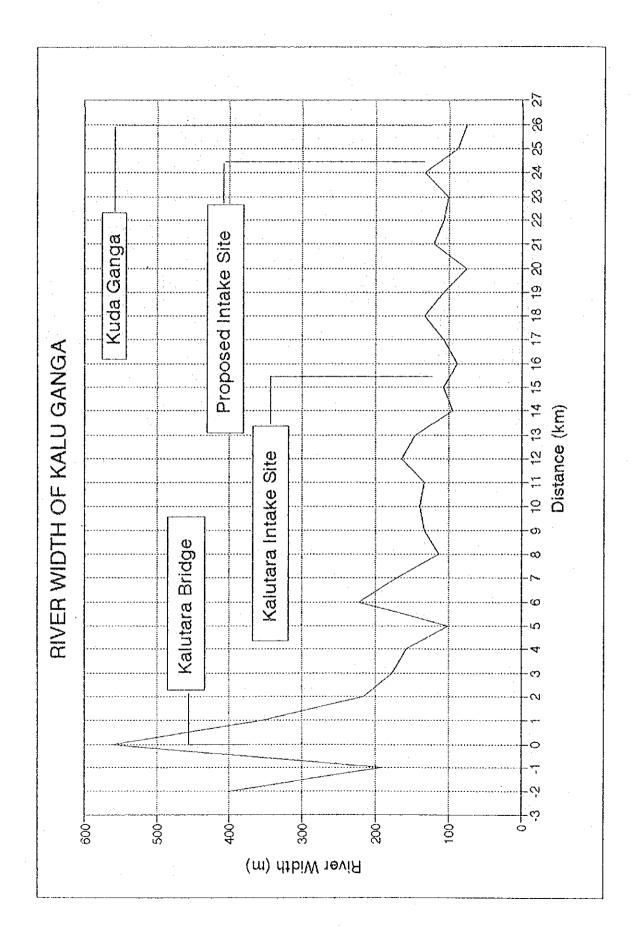
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Distance		High Tide	)		Low Tide	
(km)	Case-1	Case-2	Case-3	Case-1	Case-2	Case-3
-2.57	0.02	0.051	0.085	-0.48	-0.449	-0.415
-1.57	-0.269	-0.193	-0.116	-0.808	-0.727	-0.643
-0.57	-0.393	-0.298	-0.201	-0.951	-0.847	-0.741
0.43	-0.49	-0.379	-0.268	-1.065	-0.941	-0.817
1.43	-0.574	-0.449	-0.324	-1.162	-1.022	-0.882
2.43	-0.648	-0.512	-0.374	-1.251	-1.095	-0.941
3.43	-0.717	-0.569	-0.42	-1.332	-1.162	-0.994
4.43	-0.781	-0.622	-0.463	-1.409	-1.225	-1.044
5.43	-0.842	-0.672	-0.503	-1.482	-1.284	-1.091
6.43	-0.899	-0.719	-0.541	-1.552	-1.34	-1.135
7.43	-0.954	-0.764	-0.577	-1.619	-1.395	-1.178
8.43	-1.008	-0.808	-0.611	-1.685	-1.447	-1.219
9.43	-1.059	-0.85	-0.645	-1.749	-1.498	-1.258
10.43	-1.109	-0.89	-0.677	-1.811	-1.547	-1.296
11.43	-1.158	-0.93	-0.708	-1.873	-1.596	-1.334
12.43	-1.205	-0.968	-0.738	-1.934	-1.643	-1.37
13.43	-1.252	-1.006	-0.768	-1.994	-1.689	-1.405
14.43	-1.298	-1.042	-0.796	-2.054	-1.735	-1.44
15.43	-1.343	-1.078	-0.824	-2.113	-1.78	-1.474
16.43	-1.387	-1.113	-0.852	-2.172	-1.825	-1.508
17.43	-1.43	-1.148	-0.879	-2.231	-1.869	-1.54
18,43	-1.474	-1.182	-0.905	-2.291	-1.912	-1.573
19.43	-1.516	-1.216	-0.931	-2.35	-1.956	-1.605
20.43	-1.559	-1.249	-0,957	-2.41	-1.999	-1.636
21.43	-1.6	-1.282	-0.982	-2.471	-2.041	-1.667
22.43	-1.642	-1.314	-1,007	-2.532	-2.084	-1.698
23.43	-1,683	-1.346	-1.031	-2.594	-2.126	-1.729
24.43	-1.724	-1.378	-1.055	-2.658	-2.169	-1.759
25.43	-1,765	-1.409	-1.079	-2.722	-2.211	-1.789
26.43	-1,806	-1.44	-1.102	-2.789	-2.254	-1.819

#### CALCULATION OF LONGITUDINAL PROFILE OF SALINITY WEDGE SURFACE ELEVA

Casw-1: Q=14.4cu.m/s Case-2: Q=12.2cu.m/s Case-3: Q=10.0cu.m/s



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