
 INTERACTIVE REC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Find
FNF Table
3/10/76

C FPM5 BI LITTLE BEAVER ISLAND FIS
 J1 FPM5 BR MADISON-MAYODAN FIS
 T2 10 YR FAVORAT
 T3 LITTLE BEAVER ISLAND CRK

J1 ICHECK INC FIAV JDIR STRT METRIC HVINS Q WSEL PD
 -10. 0. -0. -0. -0.000000 -0.00 -0.0 -0. 559.000 115.000

J2 NPROG TPLDT PREVS XSECV XSFCH FN ALLDC IRW CHNIM ITRACE
 1.000 0.000 0.000 0.000 0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 1

CCRVE= .200 LEIV= .400

SECMO	DEPTH	CRSEL	CRIES	WSECK	FG	HV	HL	OLUSS	BANK	ELEV
Q	QCRB	QCR	QROB	XLOB	ACH	AROB	VOI	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTM	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	TDC	ICONT	COFAR	TOPWID	ENDST	

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00

1.00	10.30	559.00	0.00	559.00	559.34	.34	0.00	0.00	557.60	
778.	2577.	7773.	0.	688.	548.	0.	0.	0.	559.00	
0.00	0.33	5.02	0.00	0.47	0.045	0.000	0.000	548.90	1000.16	
.001866	0.	0.	0.	0	0	1	0.00	313.84	1314.00	

2.00	10.31	559.01	0.00	0.00	559.35	.34	0.01	0.00	557.60	
5780.	2975.	7716.	10.	690.	541.	38.	0.	0.	559.00	
.60	0.30	5.02	0.38	0.47	0.045	0.060	0.000	548.90	1000.15	
.001848	0.	5.	5.	0	0	1	0.00	503.17	1503.31	

3.00	10.33	559.03	0.00	0.00	559.36	.34	0.01	0.00	557.60	
5780.	2970.	7715.	10.	692.	541.	38.	0.	0.	559.00	
.00	0.29	5.01	0.39	0.47	0.045	0.060	0.000	548.90	1000.13	
.001830	0.	5.	5.	0	0	1	0.00	503.28	1503.41	

3265 DIVIDED F100

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00

4.00	10.38	558.98	0.00	0.00	559.41	.43	0.01	0.04	557.60	
7780.	2190.	7811.	0.	505.	531.	0.	0.	0.	559.00	
.00	0.31	5.21	0.00	0.46	0.045	0.060	0.000	548.90	1000.20	
.001995	0.	5.	5.	0	0	1	0.00	213.88	1313.91	

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN F15
 T2 50 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 TCHECK INO INVN IDIR STRT METRIC HV INVS O KSEL FO
 -10. 5. -0. -0. -0.000000 -0.00 -0.0 -0. 560.800 -0.000

J2 NPROF TPCOT PREVS XSECV XSECH CN ALLOC RBW CHNIM ITRACE
 25.000 -0.000 -1.000 -0.000 -0.000 -0.000 2 -0.000 -0.000 -0.000

*PROF 2

OCHEV= .200 CERY= .400

SECON	DEPTH	CASEL	CRITAS	HSELK	EG	HV	HL	GLASS	BANK ELEV
N	ALOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	ALOB	VCH	VROR	XNL	XNCH	XNR	QTN	ELMIN	STA
SLOPE	XLOBL	XLOH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1.00	11.90	560.50	0.00	560.80	561.17	.37	0.00	0.00	557.60
9500.	4732.	4072.	645.	1114.	704.	392.	0.	0.	559.00
0.00	4.29	5.79	1.55	.050	.045	.060	0.000	548.90	971.19
.001855	5.	5.	5.	0	0	1	0.00	551.31	1522.50

2.00	11.91	560.81	0.00	0.00	561.18	.37	.01	.00	557.60
9500.	4781.	4069.	550.	1116.	704.	394.	0.	0.	559.00
0.00	4.28	5.78	1.55	.050	.045	.060	0.000	548.90	971.03
.001845	5.	5.	5.	0	0	1	0.00	551.57	1522.60

3.00	11.92	560.82	0.00	0.00	561.19	.37	.01	.00	557.60
9500.	4780.	4067.	550.	1118.	705.	396.	1.	0.	559.00
0.00	4.27	5.77	1.55	.050	.045	.060	0.000	548.90	970.87
.001836	5.	5.	5.	0	0	1	0.00	551.83	1522.70

3245 DIVIDED BY 1

4.00	11.94	560.74	0.00	0.00	561.26	.52	.01	.06	557.60
9500.	4453.	4376.	663.	785.	373.	380.	1.	0.	559.00
0.00	5.37	6.27	1.76	.147	.045	.060	0.010	548.90	972.18
.002134	5.	5.	5.	0	0	1	0.10	450.05	1521.87

OVERBANK AREA ASSUMED NON-EFFECTIVE, FLREA= 552.00 ELREA= 562.00

385.00	11.59	561.70	0.10	0.00	562.73	.94	1.30	.17	558.00
9500.	0.	2590.	0	0.	1223.	0.	14.	3.	559.00

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T1 FPMS BR MADISON/MAYODAN FIS
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	TCHECK	TNC	NINR	IDIR	STAT	METRIC	HVINS	Q	WSFL	FO
	-30.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000
J2	NPROF	TPLOT	PREVS	YSECV	XSECH	FN	ALIEDC	TBW	CHMIN	ITRAGE
	3.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 3

CDIV= .200 CERV= .400

SECTG	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	GLSS	BANK	FLEV
TIME	VLOR	VCH	VROB	XL	XNR	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOUL	XLCH	XLOR	TRIAL	IDC	IGONT	CORAR	TOPWID	ENDST	
1.00	12.80	561.70	0.00	561.70	562.08	.38	0.00	0.00	557.60	
11800.	5835.	4759.	1206.	1347.	785.	584.	0.	0.	559.00	
0.00	4.33	6.06	2.07	.051	.045	.060	0.000	548.90	955.93	
.001792	-0.	-0.	-0.	0	0	1	0.00	574.49	1530.43	
2.00	12.81	561.71	0.00	0.00	562.09	.38	.01	.00	557.60	
11800.	5834.	4758.	1210.	1350.	786.	586.	0.	0.	559.00	
.00	4.32	6.05	2.07	.051	.045	.060	0.000	548.90	955.78	
.001784	5.	5.	5.	0	0	1	0.00	574.66	1530.44	
3.00	12.82	561.72	0.00	0.00	562.10	.38	.01	.00	557.60	
11800.	5833.	4755.	1214.	1352.	787.	586.	1.	0.	559.00	
.00	4.31	6.04	2.07	.051	.045	.060	0.000	548.90	955.63	
.001776	5.	5.	5.	0	0	1	0.00	574.83	1530.46	

3265 DIVIDED FLOW

4.00	12.73	561.63	0.00	0.00	562.10	.54	.01	.07	557.60	
11800.	5830.	4792.	1278.	1427.	779.	569.	1.	0.	559.00	
.00	5.75	3.66	2.25	.068	.045	.060	0.000	548.90	957.09	
.002166	5.	5.	5.	0	0	1	0.00	473.65	1530.28	

3265 DIVIDED FLOW

385.00	12.54	562.74	0.00	0.00	563.14	.40	.94	.03	558.00	
11800.	10171.	7971.	2812.	257.	1400.	907.	22.	5.	559.00	

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T1 FPM5 BR MADISON/MAYODAN FIS
 T2 500 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	TNO	NTBV	TDTR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	563.600	-0.000
J2	MPROF	IFLOT	MPRES	XSECV	XSECR	FN	ALLDC	IPW	CHMIN	ITRACE
	15.000	-0.000	5.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 4

CCRVE = .200 CEHV = .400

SECR0	DEPTH	CMSFL	CRIMS	WSELK	FQ	HV	HL	OLSS	BANK	ELFV
Q	DLOR	QCN	QROH	ALOR	ACH	AROH	VOL	TNA	LEFT	RIGHT
TIME	VLOB	VCH	VROR	XNL	XNCH	XNR1	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOOR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
1.00	14.70	563.60	0.00	563.60	564.05	.45	0.00	0.00	557.60	
18400.	8866.	6602.	2932.	1685.	958.	999.	0.	0.	559.00	
0.00	4.70	6.89	2.94	.153	.045	.060	0.000	548.90	923.73	
.001027	-0.	-0.	-0.	0	0	1	0.00	610.74	1534.47	
2.00	14.71	563.61	0.00	563.61	564.06	.45	.01	.00	557.60	
18400.	8866.	6602.	2935.	1688.	959.	1001.	0.	0.	559.00	
0.00	4.70	6.88	2.93	.153	.045	.060	.000	548.90	923.57	
.001020	5.	5.	5.	0	0	1	0.00	610.91	1534.49	
3.00	14.72	563.62	0.00	563.62	564.07	.45	.01	.00	557.60	
18400.	8866.	6602.	2940.	1691.	960.	1003.	1.	0.	559.00	
0.00	4.70	6.87	2.93	.153	.045	.060	.000	548.90	923.42	
.001013	5.	5.	5.	0	0	1	0.00	611.09	1534.51	

3265 DIVIDED FLOW

4.00	14.61	563.51	0.00	563.51	564.15	.45	.01	.08	557.60	
18400.	7650.	7309.	3201.	1269.	950.	979.	1.	0.	559.00	
0.00	5.18	7.73	3.27	.249	.245	.060	.000	548.90	925.27	
.002327	5.	5.	5.	0	0	1	0.00	509.68	1534.27	

3265 DIVIDED FLOW

5.00	14.47	564.07	0.00	564.07	565.13	.46	.93	.04	558.00	
18400.	2962.	3088.	5450.	429.	1758.	1387.	31.	5.	559.00	
5	605.	501.9	505.7	5.2	5.2	5.2	5.2	5.2	5.2	

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FLOOD INSURANCE ZONE DATA FOR LITTLE BEAVER ISLAND CRK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		TOP	2'	0.2'
1.000	0.	-2.7	-1.0	1.9
2.000	5.	-2.7	-1.0	1.9
3.000	10.	-2.7	-1.0	1.9
4.000	15.	-2.7	-1.0	1.9
385.000	400.	-2.7	-1.0	1.9
390.000	405.	-1.7	-1.0	3.1
410.000	425.	-3.5	-1.5	2.2
415.000	430.	-5.4	-2.0	5.2
465.000	480.	-5.6	-2.0	5.0
1400.000	1415.	-1.9	-1.2	4.7
1900.000	1915.	-2.2	-1.3	4.4
3500.000	3515.	-2.6	-1.7	3.5
4000.000	4015.	-2.3	-1.7	2.8
4500.000	4515.	-1.9	-1.5	1.9
5000.000	5015.	-2.0	-1.6	1.6
5760.000	5715.	-2.0	-1.6	1.5
6400.000	6415.	-2.3	-1.6	2.3
7300.000	7315.	-5.2	-1.7	3.8
8900.000	8915.	-4.7	-1.5	3.5
10900.000	10915.	-4.7	-1.5	3.5
12700.000	12715.	-4.5	-1.4	3.5
WEIGHTED AVG FOR REACH		-3.5	-1.1	3.3

PHF FOR THE REACH = .025 WITH 17.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = .7

CONTIGUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	PHF	PERCENT WITHIN
		100	10'	DIFF.			
1	0.				SEC.		1.000
	121.	559.2	561.8	-2.7	-2.7	.025	100.
	5.				SEC.		2.000
	10.				SEC.		3.000
	15.				SEC.		4.000
2	242.	559.3	562.0	-2.7	-2.7	.025	100.
3	363.	559.8	562.5	-2.7	-2.7	.025	100.
	400.				SEC.		385.000
	405.				SEC.		390.000
	425.				SEC.		410.000
	430.				SEC.		415.000
	465.				SEC.		465.000
4	484.	561.1	566.7	-5.6	3.4	.035	75.
5	605.	561.4	566.7	-5.4	3.8	.040	0.

6	726.	561.9	566.8	-4.9	-4.0	040	17.
7	847.	562.5	566.9	-4.4	-4.0	040	29.
8	968.	563.0	566.9	-3.9	-4.0	040	38.
9	1089.	563.6	567.0	-3.5	-4.0	040	44.
10	1210.	564.1	567.1	-3.0	-3.9	040	40.
11	1331.	564.6	567.1	-2.5	-3.7	035	36.
							SEC. 1000.000
12	1452.	565.1	567.2	-2.1	-3.6	035	58.
13	1573.	565.3	567.3	-2.0	-3.5	035	62.
14	1694.	565.4	567.5	-2.1	-3.4	035	50.
15	1815.	565.5	567.6	-2.1	-3.3	035	47.
							SEC. 1000.000
16	1936.	565.5	567.7	-2.2	-3.2	030	44.
17	2057.	565.6	567.9	-2.2	-3.2	030	53.
18	2178.	565.7	568.0	-2.3	-3.1	030	61.
19	2299.	565.8	568.1	-2.3	-3.1	030	68.
20	2420.	565.9	568.2	-2.3	-3.0	030	75.
21	2541.	566.0	568.4	-2.4	-3.0	030	70.
22	2662.	566.1	568.5	-2.4	-3.0	030	82.
23	2783.	566.2	568.6	-2.4	-2.9	030	83.
24	2904.	566.3	568.8	-2.4	-2.9	030	79.
25	3025.	566.4	568.9	-2.4	-2.9	030	60.
26	3146.	566.5	569.0	-2.5	-2.9	030	81.
27	3267.	566.6	569.1	-2.5	-2.9	030	61.
28	3388.	566.8	569.3	-2.5	-2.9	030	82.
29	3509.	566.9	569.4	-2.5	-2.8	030	63.
							SEC. 3500.000
30	3630.	567.1	569.6	-2.5	-2.8	030	83.
31	3751.	567.5	569.9	-2.5	-2.8	030	64.
32	3872.	567.9	570.3	-2.4	-2.8	030	64.
33	3993.	568.3	570.6	-2.3	-2.8	030	65.
							SEC. 4000.000
34	4015.	568.0	571.0	-2.2	-2.8	030	85.
35	4235.	568.4	571.5	-2.2	-2.8	030	66.
36	4356.	570.0	572.1	-2.1	-2.7	025	86.
37	4477.	570.6	572.6	-2.0	-2.7	025	86.
							SEC. 4500.000
38	4598.	571.2	573.1	-1.9	-2.7	025	87.
39	4719.	571.8	573.7	-1.9	-2.7	025	87.
40	4840.	572.4	574.3	-2.0	-2.7	025	88.
41	4961.	572.9	574.9	-2.0	-2.6	025	88.
							SEC. 5000.000
42	5082.	573.5	575.5	-2.0	-2.6	025	88.
43	5203.	574.1	576.1	-2.0	-2.6	025	88.
44	5324.	574.7	576.7	-2.0	-2.6	025	89.
45	5445.	575.3	577.3	-2.0	-2.6	025	89.
46	5566.	575.9	577.9	-2.0	-2.6	025	89.
47	5687.	576.5	578.5	-2.0	-2.6	025	89.
							SEC. 5700.000
48	5808.	577.1	579.1	-2.0	-2.5	025	90.
49	5929.	577.7	579.8	-2.0	-2.5	025	90.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH -2.5 -1.7 3.3

FHC FOR REACH 1 = 0.25 WITH 90.0% OF THE REACH WITHIN 2.0 FEET
ZONE FOR THE REACH = A 2

50	6050.	578.3	580.4	-2.1	-2.1	020	100.
51	6171.	578.9	581.1	-2.2	-2.1	020	100.
52	6292.	579.5	581.8	-2.2	-2.2	020	100.
53	6413.	580.1	582.4	-2.3	-2.2	020	100.
							SEC. 6400.000

54	6534.	580.8	583.3	-2.5	-2.2	020	100.
55	6655.	581.4	584.3	-2.9	-2.6	025	100.
56	6776.	582.1	585.3	-3.3	-2.5	025	100.
57	6897.	582.7	586.4	-3.6	-2.6	025	98.
58	7018.	583.4	587.4	-4.0	-2.8	030	98.
59	7139.	584.1	588.5	-4.4	-2.9	030	97.
60	7260.	584.7	589.5	-4.8	-3.1	030	93.
	7315.					SEC. 7300.000	
61	7381.	585.3	590.4	-5.1	-3.3	035	87.
62	7502.	585.8	590.0	-4.1	-3.4	035	87.
63	7623.	586.3	591.4	-5.1	-3.5	035	84.
64	7744.	586.8	591.8	-5.1	-3.6	035	83.
65	7865.	587.2	592.2	-5.0	-3.7	035	82.
66	7986.	587.7	592.7	-5.0	-3.8	040	82.
67	8107.	588.2	593.1	-5.0	-3.9	040	81.
68	8228.	588.6	593.5	-4.9	-3.9	040	79.
69	8349.	589.1	594.0	-4.9	-4.0	040	81.
70	8470.	589.6	594.4	-4.8	-4.0	040	83.
71	8591.	590.0	594.8	-4.8	-4.0	040	85.
72	8712.	590.5	595.3	-4.8	-4.1	040	88.
73	8833.	591.0	595.7	-4.7	-4.1	040	89.
	8915.					SEC. 8900.000	
74	8954.	591.4	596.1	-4.7	-4.1	040	91.
75	9075.	591.9	596.6	-4.7	-4.2	040	91.
76	9196.	592.3	597.0	-4.7	-4.2	040	91.
77	9317.	592.8	597.5	-4.7	-4.2	040	91.
78	9438.	593.2	597.9	-4.7	-4.2	040	91.
79	9559.	593.7	598.4	-4.7	-4.2	040	91.
80	9680.	594.2	598.9	-4.7	-4.2	040	91.
81	9801.	594.6	599.3	-4.7	-4.3	045	91.
82	9922.	595.1	599.8	-4.7	-4.3	045	90.
83	10043.	595.5	600.2	-4.7	-4.3	045	90.
84	10164.	596.0	600.7	-4.7	-4.3	045	90.
85	10285.	596.4	601.1	-4.7	-4.3	045	91.
86	10406.	596.9	601.6	-4.7	-4.3	045	91.
87	10527.	597.3	602.0	-4.7	-4.3	045	91.
88	10648.	597.8	602.5	-4.7	-4.3	045	91.
89	10769.	598.3	602.9	-4.7	-4.3	045	91.
90	10890.	598.7	603.4	-4.7	-4.3	045	91.
	10915.					SEC. 10900.000	
91	11011.	599.2	603.9	-4.7	-4.4	045	91.
92	11132.	599.6	604.3	-4.7	-4.4	045	91.
93	11253.	600.1	604.8	-4.7	-4.4	045	91.
94	11374.	600.6	605.2	-4.7	-4.4	045	91.
95	11495.	601.0	605.7	-4.6	-4.4	045	92.
96	11616.	601.5	606.1	-4.6	-4.4	045	92.
97	11737.	602.0	606.6	-4.6	-4.4	045	92.
98	11858.	602.5	607.1	-4.6	-4.4	045	92.
99	11979.	602.9	607.5	-4.6	-4.4	045	92.
100	12100.	603.4	608.0	-4.6	-4.4	045	92.
101	12221.	603.9	608.4	-4.6	-4.4	045	92.
102	12342.	604.3	608.9	-4.6	-4.4	045	92.
103	12463.	604.8	609.4	-4.6	-4.4	045	92.
104	12584.	605.3	609.8	-4.6	-4.4	045	92.
105	12705.	605.7	610.3	-4.6	-4.4	045	92.
	12715.					SEC. 12700.000	

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 ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND
 10# 2# 11.2#
 WEIGHTED AVG FOR REACH -4.4 -3.4 -3.4
 FHE FOR REACH 2 = 045 WITH 92.0 OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = 4-9
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POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 465.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 6400.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

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 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Handwritten: ~~FILE~~ FILE

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 with divisions
 shown.

Handwritten: 3/9/71

0 EPMS BR LITTLE BEAVER ISLAND FIS
 1 EPMS RR MADISON-MAYODAN FIS
 2 TO YR NATURAL
 3 LITTLE BEAVER ISLAND CRK

J1 TCHECK TND ATMV TDIR STR1 METRIC HVIMS 0 WSEL FQ
 -10. 6. -0. -0. -0.000000 -0.00 -0.0 -0. 559.000 -0.000

J2 MPROF TPLDT PRFVS XNECV XSECH FN ALDGC INW CHNIN ITRAGE
 1.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF

CCHV= .200 TCRV= 7.000
 SEGM0 DEPTH CWSEC CRTWS WSECK FG HV HV H0 OLOSS BANK PLEV
 0 GLOB GCH DRDB ALOP AGS AROR VOL TWA LEFT/RIGHT
 TIME VLR VCH CRDB XML XNCH XNR WTN ELMIN SSTAT
 SLOPE XLOB XLOH XLOBK ITRAL IDC ICONT CORAR TOPID ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00
 1.00 16.70 559.00 0.00 559.00 559.34 .34 0.00 0.00 557.60
 5700. 2777. 2777. 0. 600. 540. 0. 0. 0. 559.00
 0.00 4.33 5.04 0.00 1.47 1.045 0.000 0.000 548.90 1000.16
 .001866 5. 5. 5. 0 0 1 0.00 313.84 1314.00

2.00 16.71 559.00 0.00 559.00 559.35 .34 .01 .00 557.60
 5700. 2777. 2776. 14. 600. 541. 36. 0. 0. 559.00
 .00 4.30 5.02 0.00 1.47 1.045 .060 0.000 548.90 1000.15
 .001848 5. 5. 5. 0 0 1 0.00 503.17 1503.31

3.00 16.73 559.00 0.00 559.00 559.36 .34 .01 .00 557.60
 5700. 2777. 2775. 17. 600. 541. 36. 0. 0. 559.00
 .00 4.29 5.01 0.00 1.47 1.045 .060 0.000 548.90 1000.13
 .001839 5. 5. 5. 0 0 1 0.00 503.28 1503.41

3265 DIVIDED FROM

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.00 ELREA= 559.00
 4.00 17.08 558.94 0.00 0.00 559.41 .43 .01 .04 557.60
 5700. 2879. 2801. 0. 540. 530. 0. 0. 0. 559.00
 .00 5.31 5.21 0.00 1.46 1.045 .060 0.000 548.90 1000.20
 .001995 5. 5. 5. 2 0 1 0.00 213.88 1313.91

THE PLOTTING SYSTEM IS A TRADEMARK OF THE UNIVERSITY OF TEXAS AT AUSTIN

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN FIS
 T2 50 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 ICHECK INQ MINV IDIR SIRT METRIC HVINS D WSEL FO
 -10. 5. -0. -0. -0.000000 -0.00 -0.0 -0. 560.800 -0.000
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC IRW CHNIM ITRACE
 2.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 2

CCHV= .200 CEHV= .500
 SEGNO DEPTH CWSPL CRIFS WSELK EG HV HL GLOSS BANK ELEV
 R DLOG DCH CRCH ALOR ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL YNCH XNR WTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IUC ICUNT CORAR TOPWID ENDST

1.00 11.90 560.80 0.00 0.00 561.17 .37 0.00 0.00 557.60
 9500. 4782. 4072. 646. 1114. 704. 392. 0. 0. 559.00
 0.00 4.29 5.70 1.65 .050 .045 .060 0.000 548.90 971.19
 .001855 -0. -0. -0. 0 0 1 0.00 551.31 1522.50

2.00 11.91 560.81 0.00 0.00 561.18 .37 0.01 0.00 557.60
 9500. 4781. 4069. 650. 1116. 704. 394. 0. 0. 559.00
 0.00 4.28 5.70 1.65 .050 .045 .060 0.000 548.90 971.03
 .001845 5. 5. 5. 0 0 1 0.00 551.57 1522.60

3.00 11.02 560.82 0.00 0.00 561.19 .37 .01 0.00 557.60
 9500. 4780. 4067. 655. 1118. 705. 396. 1. 0. 559.00
 0.00 4.27 5.77 1.65 .050 .045 .060 0.000 548.90 970.87
 .001836 5. 5. 5. 0 0 1 0.00 551.83 1522.70

3265 DIVIDED FLOW

4.00 11.84 560.74 0.00 0.00 561.26 .52 .01 .06 557.60
 9500. 4456. 4276. 668. 785. 698. 380. 1. 0. 559.00
 0.00 5.67 6.27 1.78 .047 .045 .060 0.000 548.90 972.18
 .002194 5. 5. 5. 2 0 1 0.00 450.05 1521.87

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 562.00 ELREA= 562.00

385.00 11.55 561.79 0.00 0.00 562.73 .94 1.30 .17 558.00
 9500. 0. 9500. 0. 0. 1223. 0. 14. 3. 559.00

 INTERACTIVE HEC2 VERSION UPDATED FEB. 1976
 ERROR CORRECTIONS: 01,02,03,04,05,06,07,08,09
 MODIFICATIONS: 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN FIS
 T2 100-YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 ICHECK INO MINV IDIR STRT METRIC HVINS 0 WSFL FQ
 -10. 2 -0. -0. -0.000000 -0.00 -0.0 -0. 561.700 -0.000

J2 WPRDI TPCDT PREVS XSECV XSECH FN ALLOC INW CHNIM ITRACE
 3.000 0.000 1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

*PROF

COHVE 200 COHVE 300
 SECDG DEPTH CHSEC CRIMS WSELK EG HV WIL LOSS BANK ELEV
 0 QLOB VCH ORCH ALOB ACH APOB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XMCH XNR NTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT DORAR TOPWID ENDST

1.00 12.80 561.70 0.00 561.70 562.08 .38 0.00 0.00 557.60
 11800. 5835. 4759. 1226. 1347. 785. 584. 0. 0. 559.00
 0.00 4.33 6.06 2.07 .051 .045 .060 0.000 548.90 955.93
 .001792 -0. -0. -0. 0 0 1 0.00 574.49 1530.43

2.00 12.81 561.70 0.00 562.09 .38 .01 0.00 557.60
 11800. 5834. 4756. 1218. 1340. 784. 586. 0. 0. 559.00
 0.00 4.32 6.05 2.07 .051 .045 .060 0.000 548.90 955.78
 .001784 5. 5. 5. 0 0 1 0.00 574.66 1530.44

3.00 12.82 561.70 0.00 562.11 .38 .01 0.00 557.60
 11800. 5833. 4753. 1214. 1342. 787. 588. 1. 0. 559.00
 0.00 4.31 6.04 2.07 .051 .045 .060 0.000 548.90 955.63
 .001776 5. 5. 5. 0 0 1 0.00 574.83 1530.46

3265 DIVIDED FLOW

4.00 12.73 561.63 0.00 562.16 .54 .01 .07 557.60
 11800. 5830. 4752. 1278. 927. 779. 569. 1. 0. 559.00
 0.00 4.75 6.04 2.25 .045 .045 .060 0.000 548.90 957.09
 .002184 5. 5. 5. 2 0 1 0.00 473.65 1530.28

3265 DIVIDED FLOW

385.00 12.54 562.74 0.00 563.14 .49 .94 .03 558.00
 11800. 1017. 7971. 2812. 1457. 1400. 907. 22. 5. 559.00

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN FIS
 T2 500 YR NATURAL
 T3 LITTLE SEAVEN ISLAND CREEK

J1 ICHECK INQ NINV IDIR STRI METRIC HVINS O WSEL FG
 -10. 4. -0. -0. -0.000000 -0.00 -0.0 -0. 563.600 -0.000
 J2 NPRDF IPLOT PREVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 10.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

PRDF

GCHV= .200 GCHV= .400

SECNO	DEPTH	WSEL	CRIS	WSELX	FG	HV	HL	GLOSS	BANK	ELEV
0	CLCS	QCH	QRDB	ALOR	ACH	APDB	VOL	TWA	LEFT/RIGHT	
TIME	VCSB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLOCH	XLOBR	ITRIAL	IDC	ICONT	COMAR	TOPWID	ENDST	

1.00	14.70	563.60	0.00	563.60	564.05	.45	0.00	0.00	557.60	
18400.	3566.	6602.	2932.	1893.	958.	999.	0.	0.	559.00	
0.00	4.70	6.89	2.94	0.053	0.045	0.060	0.000	548.90	923.73	
.001827	0.	0.	0.	0	0	1	0.00	610.74	1534.47	

2.00	14.71	563.61	0.00	563.61	564.06	.45	.01	.00	557.60	
18400.	3566.	6598.	2935.	1898.	959.	1001.	0.	0.	559.00	
0.00	4.70	6.89	2.93	0.053	0.045	0.060	0.000	548.90	923.57	
.001820	0.	0.	0.	0	0	1	0.00	610.91	1534.49	

3.00	14.72	563.62	0.00	563.62	564.07	.45	.01	.00	557.60	
18400.	3565.	6595.	2937.	1891.	960.	1003.	1.	0.	559.00	
0.00	4.69	6.87	2.93	0.053	0.045	0.060	0.000	548.90	923.42	
.001813	0.	0.	0.	0	0	1	0.00	611.09	1534.51	

3265 DIVIDED FLOW

4.00	14.61	563.51	0.00	0.00	564.10	.65	.01	.00	557.60	
18400.	2850.	7349.	3201.	1269.	950.	979.	1.	0.	559.00	
0.00	5.18	7.73	3.27	0.049	0.045	0.060	0.000	548.90	925.27	
.002327	0.	0.	0.	0	0	1	0.00	509.68	1534.27	

3265 DIVIDED FLOW

5.00	14.47	564.67	0.00	0.00	565.13	.46	.93	.04	558.00	
18400.	2062.	10888.	5450.	429.	1758.	1387.	31.	5.	559.00	

FLOOD INSURANCE ZONE DATA FOR LITTLE BEAVER ISLAND CRK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		1.0'	2.0'	0.25'
1.000	0.	-2.7	-1.9	1.9
2.000	5.	-2.7	-1.9	1.9
3.000	10.	-2.7	-1.9	1.9
4.000	15.	-2.7	-1.9	1.9
385.000	400.	-2.7	-1.9	1.9
390.000	405.	-1.7	-1.9	3.1
410.000	425.	-3.5	-1.5	2.2
415.000	430.	-5.4	-2.0	5.2
455.000	480.	-5.6	-2.2	5.0
1400.000	1415.	-1.4	-1.2	4.6
1900.000	1915.	-1.8	-1.1	4.3
3500.000	3515.	-2.4	-1.6	3.5
4000.000	4015.	-2.3	-1.7	2.8
4500.000	4515.	-1.9	-1.5	2.0
5000.000	5015.	-2.0	-1.6	1.6
5700.000	5715.	-2.0	-1.6	1.5
6400.000	6415.	-2.3	-1.5	2.3
7300.000	7315.	-5.2	-1.7	3.8
8900.000	8915.	-4.7	-1.5	3.5
10900.000	10915.	-4.7	-1.5	3.5
12700.000	12715.	-4.5	-1.4	3.5
WEIGHTED AVG FOR REACH		-3.5	-1.0	3.3

68
18
45-0

FHF FOR THE REACH = 3.5 WITH 17.0% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = 1.7

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		1.0'	1.0'	DIFF.			
1	0.				SEC.	1.000	
	121.	550.2	561.8	-2.7	-2.7	025	100.
	5.				SEC.	2.000	
	10.				SEC.	3.000	
	15.				SEC.	4.000	
2	242.	550.3	562.0	-2.7	-2.7	025	100.
3	363.	550.8	562.5	-2.7	-2.7	025	100.
	400.				SEC.	385.000	
	405.				SEC.	390.000	
	425.				SEC.	410.000	
	430.				SEC.	415.000	
	480.				SEC.	455.000	

10.4
16.2
27.3

ELEVATION DIFFERENCE

BETWEEN BASE FLOOD AND
 WEIGHTED AVG FOR REACH -2.7 -1.9 1.9

FHF FOR REACH 1 = 025 WITH 100% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A.5

4	484.	561.1	566.7	-5.6	-5.6	055	75.
5	605.	561.4	566.7	-5.3	-5.5	055	80.
6	726.	562.0	566.8	-4.8	-5.2	050	83.
7	847.	562.7	566.9	-4.2	-5.0	050	86.
8	968.	563.3	567.0	-3.7	-4.7	045	75.

ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH -4.7 -1.7 4.0

FHF FOR REACH 2 = 050 WITH 100% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A.10

9	1089.	564.9	567.0	-3.1	-3.1	030	100.
10	1210.	564.5	567.1	-2.6	-2.9	030	100.
11	1331.	565.1	567.2	-2.0	-2.8	025	91.
	1415.					SEC.	1400.000
12	1452.	565.7	567.3	-1.6	-2.3	025	92.
13	1573.	565.9	567.4	-1.5	-2.2	020	92.
14	1694.	566.0	567.6	-1.6	-2.1	020	86.
15	1815.	566.0	567.7	-1.7	-2.0	020	87.
	1915.					SEC.	1900.000
16	1936.	566.1	567.9	-1.8	-2.0	020	75.
17	2057.	566.2	568.0	-1.8	-2.0	020	82.
18	2178.	566.3	568.1	-1.8	-2.0	020	83.
19	2299.	566.3	568.3	-1.9	-2.0	020	84.
20	2420.	566.4	568.4	-2.0	-2.0	020	85.
21	2541.	566.5	568.5	-2.0	-2.0	020	86.
22	2662.	566.5	568.6	-2.1	-2.0	020	86.
23	2783.	566.6	568.7	-2.1	-2.0	020	83.
24	2904.	566.7	568.9	-2.2	-2.0	020	83.
25	3025.	566.8	569.0	-2.2	-2.0	020	92.

ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH -2.9 -1.2 4.3

FHF FOR REACH 3 = 020 WITH 92% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A.4

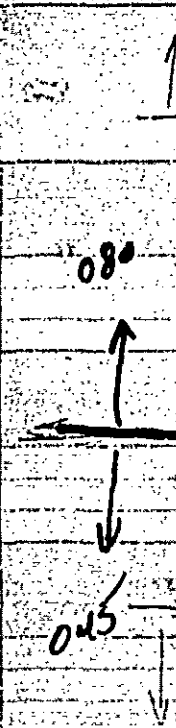
26	3146.	566.8	569.1	-2.3	-2.3	025	100.
27	3267.	566.9	569.2	-2.3	-2.3	025	100.
28	3388.	567.0	569.3	-2.3	-2.3	025	100.
29	3509.	567.0	569.4	-2.4	-2.3	025	100.
	3515.					SEC.	3500.000
30	3630.	567.2	569.7	-2.4	-2.4	025	100.
31	3751.	567.6	570.0	-2.4	-2.4	025	100.
32	3872.	567.9	570.3	-2.3	-2.4	025	100.
33	3993.	568.3	570.6	-2.3	-2.3	025	100.
	4015.					SEC.	4000.000
34	4114.	568.8	571.0	-2.3	-2.3	025	100.
35	4235.	569.4	571.5	-2.2	-2.3	025	100.
36	4356.	570.0	572.1	-2.1	-2.3	025	100.
37	4477.	570.6	572.6	-2.0	-2.3	025	100.

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Station	Elevation
38	4508.	573.2	573.1	-1.9	-2.3	020	100.
39	4719.	571.8	573.7	-1.9	-2.2	020	100.
40	4840.	572.4	574.3	-2.0	-2.2	020	100.
41	4961.	572.9	574.0	-2.0	-2.2	020	100.
SEC. 5200.000							
42	5082.	573.5	575.5	-2.0	-2.2	020	100.
43	5203.	574.1	576.1	-2.0	-2.2	020	100.
44	5324.	574.7	576.7	-2.0	-2.2	020	100.
45	5445.	575.3	577.3	-2.0	-2.2	020	100.
46	5566.	575.9	577.9	-2.0	-2.1	020	100.
47	5687.	576.5	578.5	-2.0	-2.1	020	100.
SEC. 5700.000							
48	5808.	577.1	579.1	-2.0	-2.1	020	100.
49	5929.	577.7	579.8	-2.0	-2.1	020	100.
50	6050.	578.3	580.4	-2.1	-2.1	020	100.
51	6171.	578.9	581.3	-2.2	-2.1	020	100.
52	6292.	579.5	581.8	-2.2	-2.1	020	100.
53	6413.	580.1	582.4	-2.3	-2.1	020	100.
SEC. 6400.000							
54	6534.	580.8	583.3	-2.5	-2.1	020	100.
55	6655.	581.4	584.3	-2.9	-2.2	020	100.
56	6776.	582.1	585.3	-3.3	-2.2	020	98.



ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 100 26 0.26

WEIGHTED AVG FOR REACH -2.2 2.6 2.3

FHF FOR REACH = 0.20 WITH 90% OF THE REACH WITHIN 1.0 FEET

ZONE FOR THE REACH = 4

57	6897.	582.7	586.4	-3.6	-3.6	035	100.
58	7018.	583.4	587.4	-4.0	-3.8	040	100.
59	7139.	584.1	588.4	-4.4	-4.0	040	100.
60	7260.	584.7	589.5	-4.8	-4.2	040	100.
SEC. 7300.000							
61	7381.	585.3	590.4	-5.1	-4.4	045	98.
62	7502.	585.8	591.9	-5.1	-4.5	045	98.
63	7623.	586.3	591.4	-5.1	-4.6	045	98.
64	7744.	586.8	591.8	-5.1	-4.7	045	97.
65	7865.	587.2	592.2	-5.0	-4.7	045	97.
66	7986.	587.7	592.7	-5.0	-4.7	045	97.
67	8107.	588.2	593.1	-5.0	-4.7	045	97.
68	8228.	588.5	593.5	-4.9	-4.8	050	97.
69	8349.	589.1	594.0	-4.9	-4.8	050	97.
70	8470.	589.6	594.4	-4.8	-4.8	050	97.
71	8591.	590.0	594.8	-4.8	-4.8	050	97.
72	8712.	590.5	595.3	-4.8	-4.8	050	97.
73	8833.	590.9	595.7	-4.7	-4.8	050	97.
SEC. 8900.000							
74	8954.	591.4	596.1	-4.7	-4.8	050	97.
75	9075.	591.9	596.6	-4.7	-4.8	050	97.
76	9196.	592.3	597.0	-4.7	-4.8	050	97.
77	9317.	592.8	597.5	-4.7	-4.8	050	97.
78	9438.	593.2	597.9	-4.7	-4.8	050	97.
79	9559.	593.7	598.4	-4.7	-4.8	050	97.
80	9680.	594.2	598.0	-4.7	-4.8	050	98.
81	9801.	594.6	598.3	-4.7	-4.8	050	98.
82	9922.	595.1	598.8	-4.7	-4.7	045	98.
83	10043.	595.5	600.2	-4.7	-4.7	045	98.
84	10164.	596.0	600.7	-4.7	-4.7	045	98.
85	10285.	596.4	601.1	-4.7	-4.7	045	98.
86	10406.	596.9	601.6	-4.7	-4.7	045	98.
87	10527.	597.3	602.0	-4.7	-4.7	045	98.

BETWEEN BASE FLOOD AND
 10' 2' 0.2'
 WEIGHTED AVG FOR REACH -2.7 -1.9 1.9

FHF FOR REACH 1 = 025 WITH 100% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 5

4	484.	561.1	566.7	-5.6	-5.6	055	75.
5	605.	561.4	566.7	-5.3	-5.5	055	80.
6	726.	562.0	566.8	-4.8	-5.2	050	83.
7	847.	562.7	566.9	-4.2	-5.0	050	86.
8	966.	563.3	567.0	-3.7	-4.7	045	75.

ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

10' 2' 0.2'
 WEIGHTED AVG FOR REACH -4.7 -1.7 4.9

FHF FOR REACH 2 = 050 WITH 100% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 10

9	1089.	563.9	567.0	-3.1	-3.1	030	100.
10	1210.	564.5	567.1	-2.6	-2.9	030	100.
11	1331.	565.1	567.2	-2.0	-2.6	025	91.
	1415.					SEC.	1400.000
12	1452.	565.7	567.3	-1.6	-2.3	025	92.
13	1573.	565.9	567.4	-1.5	-2.2	020	92.
14	1694.	566.0	567.6	-1.6	-2.1	020	86.
15	1815.	566.0	567.7	-1.7	-2.0	020	87.
	1915.					SEC.	1900.000
16	1936.	566.1	567.9	-1.8	-2.0	020	75.
17	2057.	566.2	568.0	-1.8	-2.0	020	82.
18	2178.	566.3	568.1	-1.9	-2.0	020	83.
19	2299.	566.3	568.3	-1.9	-2.0	020	84.
20	2420.	566.4	568.4	-2.0	-2.0	020	85.
21	2541.	566.5	568.5	-2.0	-2.0	020	86.
22	2662.	566.5	568.6	-2.1	-2.0	020	86.
23	2783.	566.6	568.7	-2.1	-2.0	020	83.
24	2904.	566.7	568.9	-2.2	-2.0	020	83.
25	3025.	566.8	569.0	-2.2	-2.0	020	92.

ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

10' 2' 0.2'
 WEIGHTED AVG FOR REACH -2.1 -1.2 4.3

FHF FOR REACH 3 = 020 WITH 92% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 4

26	3146.	566.8	569.1	-2.3	-2.3	025	100.
27	3267.	566.9	569.2	-2.3	-2.3	025	100.
28	3388.	567.0	569.3	-2.4	-2.3	025	100.
29	3509.	567.0	569.4	-2.4	-2.3	025	100.
	3515.					SEC.	3500.000
30	3636.	567.2	569.7	-2.4	-2.4	025	100.
31	3757.	567.6	570.0	-2.4	-2.4	025	100.
32	3878.	567.9	570.3	-2.3	-2.4	025	100.
33	3999.	568.3	570.6	-2.3	-2.3	025	100.
	4015.					SEC.	4000.000
34	4114.	568.8	571.0	-2.3	-2.3	025	100.
35	4235.	569.4	571.5	-2.2	-2.3	025	100.
36	4356.	570.0	572.1	-2.1	-2.3	025	100.
37	4477.	570.6	572.6	-2.0	-2.3	025	100.

7/2/54

From Inc 8

080



4915.

SEC. 4900.000

38	4598.	571.2	573.1	-1.9	-2.3	025	100.
39	4719.	571.8	573.7	-1.9	-2.2	020	100.
40	4840.	572.4	574.3	-2.0	-2.2	020	100.
41	4961.	572.9	574.0	-2.0	-2.2	020	100.

SEC. 5000.000

42	5082.	573.5	575.5	-2.0	-2.2	020	100.
43	5203.	574.1	576.1	-2.0	-2.2	020	100.
44	5324.	574.7	576.7	-2.0	-2.2	020	100.
45	5445.	575.3	577.3	-2.0	-2.2	020	100.
46	5566.	575.9	577.9	-2.0	-2.1	020	100.
47	5687.	576.5	578.5	-2.0	-2.1	020	100.

SEC. 5700.000

48	5808.	577.1	579.1	-2.0	-2.1	020	100.
49	5929.	577.7	579.8	-2.0	-2.1	020	100.
50	6050.	578.3	580.4	-2.1	-2.1	020	100.
51	6171.	578.9	581.1	-2.2	-2.1	020	100.
52	6292.	579.5	581.8	-2.2	-2.1	020	100.
53	6413.	580.1	582.4	-2.3	-2.1	020	100.

SEC. 6400.000

54	6534.	580.8	583.3	-2.5	-2.1	020	100.
55	6655.	581.4	584.3	-2.9	-2.2	020	100.
56	6776.	582.1	585.3	-3.3	-2.2	020	98.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND
10# 2# 0.2#

WEIGHTED AVG FOR REACH -2.2 -1.6 2.3

FRY FOR REACH 4 = 020 WITH 98% OF THE REACH WITHIN 1.0 FEET

ZONE FOR THE REACH = A 4

57	6897.	582.7	586.4	-3.6	-3.6	035	100.
58	7018.	583.4	587.4	-4.0	-3.8	040	100.
59	7139.	584.1	588.5	-4.4	-4.0	040	100.
60	7260.	584.7	589.5	-4.8	-4.2	040	100.

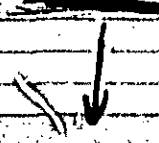
SEC. 7300.000

61	7381.	585.3	590.4	-5.1	-4.4	045	98.
62	7502.	585.9	590.9	-5.1	-4.5	045	98.
63	7623.	586.3	591.4	-5.1	-4.6	045	98.
64	7744.	586.8	591.8	-5.1	-4.7	045	97.
65	7865.	587.2	592.2	-5.0	-4.7	045	97.
66	7986.	587.7	592.7	-5.0	-4.7	045	97.
67	8107.	588.2	593.1	-5.0	-4.7	045	97.
68	8228.	588.6	593.5	-4.9	-4.8	050	97.
69	8349.	589.1	594.0	-4.9	-4.8	050	97.
70	8470.	589.6	594.4	-4.8	-4.8	050	97.
71	8591.	590.0	594.8	-4.8	-4.8	050	97.
72	8712.	590.5	595.3	-4.8	-4.8	050	97.
73	8833.	590.9	595.7	-4.7	-4.8	050	97.

SEC. 8900.000

74	8954.	591.4	594.1	-4.7	-4.8	050	97.
75	9075.	591.9	596.6	-4.7	-4.8	050	97.
76	9196.	592.3	597.0	-4.7	-4.8	050	97.
77	9317.	592.8	597.5	-4.7	-4.8	050	97.
78	9438.	593.2	597.9	-4.7	-4.8	050	97.
79	9559.	593.7	598.4	-4.7	-4.8	050	97.
80	9680.	594.2	598.9	-4.7	-4.8	050	98.
81	9801.	594.6	599.3	-4.7	-4.8	050	98.
82	9922.	595.1	599.8	-4.7	-4.7	045	98.
83	10043.	595.5	600.2	-4.7	-4.7	045	98.
84	10164.	596.0	600.7	-4.7	-4.7	045	98.
85	10285.	596.4	601.1	-4.7	-4.7	045	98.
86	10406.	596.9	601.6	-4.7	-4.7	045	98.
87	10527.	597.3	602.0	-4.7	-4.7	045	98.

0.8



0.45

105
77
73

88	10678.	597.8	602.5	-4.7	-4.7	045	98.
89	10789.	598.3	602.9	-4.7	-4.7	045	98.
90	10890.	598.7	603.4	-4.7	-4.7	045	98.
	10915.					SEC. 10900.000	
91	11011.	599.2	603.9	-4.7	-4.7	045	98.
92	11132.	599.6	604.3	-4.7	-4.7	045	98.
93	11253.	600.1	604.8	-4.7	-4.7	045	98.
94	11374.	600.6	605.2	-4.7	-4.7	045	98.
95	11495.	601.0	605.7	-4.6	-4.7	045	98.
96	11616.	601.5	606.1	-4.6	-4.7	045	98.
97	11737.	602.0	606.6	-4.6	-4.7	045	98.
98	11858.	602.5	607.1	-4.6	-4.7	045	98.
99	11979.	602.9	607.5	-4.6	-4.7	045	98.
100	12100.	603.4	608.0	-4.6	-4.7	045	98.
101	12221.	603.9	608.4	-4.6	-4.7	045	98.
102	12342.	604.3	608.9	-4.6	-4.7	045	98.
103	12463.	604.8	609.4	-4.6	-4.7	045	98.
104	12584.	605.3	609.8	-4.6	-4.7	045	98.
105	12705.	605.7	610.3	-4.5	-4.7	045	98.
	12715.					SEC. 12700.000	

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH 10# 2# 0.2#
-4.7 -1.5 3.5

FRE FOR REACH 5# = 045 WITH 98% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 9

- POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 465.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 6400.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

*FRF Table
 #3*

C FPMS BR LITTLE BEAVER ISLAND FIS
 1 FPMS BR MADISON-MAYODAN FIS
 T2 10 YR NATURAL
 T3 LITTLE BEAVER ISLAND CPK

J1	ICHECK	INQ	MINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	559.000	-0.000
J2	NPPDF	TPLQT	PRFVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PRUF 1

CCHV= .200 CEHV= .400

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLSS	BANK	ELEV
TIME	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
SLOPE	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	GSTA	ENDST
	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID		

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00

1.00	10.10	559.00	0.00	559.00	559.34	.34	0.00	0.00	557.60	
5700.	2977.	2723.	0.	898.	540.	0.	0.	0.	559.00	
0.00	4.33	5.04	0.00	.047	.045	0.000	0.000	548.90	1000.16	
.001866	5.	5.	5.	0	0	1	0.00	313.84	1314.00	

2.00	10.11	559.01	0.00	0.00	559.35	.34	.01	.00	557.60	
5700.	2970.	2716.	14.	890.	541.	36.	0.	0.	559.00	
.00	4.30	5.02	.38	.047	.045	.060	.000	548.90	1000.15	
.001848	5.	5.	5.	0	0	1	0.00	503.17	1503.31	

3.00	10.13	559.03	0.00	0.00	559.36	.34	.01	.00	557.60	
5700.	2970.	2715.	15.	892.	541.	38.	0.	0.	559.00	
.00	4.29	5.01	.39	.047	.045	.060	.000	548.90	1000.13	
.001839	5.	5.	5.	0	0	1	0.00	503.28	1503.41	

3265 DIVIDED FLOW

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00

4.00	10.08	558.98	0.00	0.00	559.41	.43	.01	.04	557.60	
5700.	2999.	2801.	0.	545.	538.	0.	0.	0.	559.00	
.00	5.31	5.21	0.00	.046	.045	.060	.000	548.90	1000.20	
.001995	5.	5.	5.	2	0	1	0.00	213.88	1313.91	

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR. MADISON/MAYODAN FIS
 T2 50 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	TRD	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.800	-0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2,000	-0.000	-1,000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2

CCHV= .200 CERV= .400

SECD	DEPTH	CNSL	CRINS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.00	11.90	560.80	0.00	560.80	561.17	.37	0.00	0.00	557.60
9500.	4782.	4072.	646.	1114.	704.	392.	0.	0.	559.00
0.00	4.29	5.79	1.65	.050	.045	.060	0.000	548.90	971.19
.001855	5.	5.	5.	0	0	1	0.00	551.31	1522.50
2.00	11.91	560.81	0.00	0.00	561.18	.37	.01	0.00	557.60
9500.	4781.	4069.	650.	1116.	704.	390.	0.	0.	559.00
0.00	4.28	5.78	1.65	.050	.045	.060	0.000	548.90	971.03
.001645	5.	5.	5.	0	0	1	0.00	551.57	1522.60
3.00	11.92	560.82	0.00	0.00	561.19	.37	.01	0.00	557.60
9500.	4780.	4067.	653.	1118.	705.	396.	1.	0.	559.00
0.00	4.27	5.77	1.65	.050	.045	.060	0.000	548.90	970.87
.001836	5.	5.	5.	0	0	1	0.00	551.83	1522.70

3265 DIVIDED FLOW

4.00	11.84	560.74	0.00	0.00	561.26	.52	.01	.06	557.60
9500.	4456.	4376.	668.	785.	698.	380.	1.	0.	559.00
0.00	5.67	6.27	1.76	.047	.045	.060	0.000	548.90	972.18
.002194	5.	5.	5.	2	2	1	0.00	450.05	1521.87

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 562.00 ELRFA= 562.00

385.00	11.59	561.74	0.00	0.00	562.73	.94	1.30	.17	556.00
9500.	0.	9500.	0.	0.	1223.	0.	14.	3.	559.00

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 EPMS BY MADISON/MAYODAN FIS.
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IPW	CHNIM	ITRACE
	3.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 3

CCRV= .200 CEHV= .400

SECNO	DEPTH	CWSEL	CRTWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	DLQB	QCH	DRQB	ALQB	ACH	ARQB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.00	12.80	561.70	0.00	561.70	562.08	.38	0.00	0.00	557.60
11800.	5435.	4759.	1206.	1347.	785.	584.	0.	0.	559.00
0.00	4.33	6.06	2.07	.051	.045	.060	0.000	548.90	955.93
.001792	5.	5.	5.	0	0	1	0.00	574.49	1530.43
2.00	12.81	561.71	0.00	0.00	562.09	.38	.01	.00	557.60
11800.	5434.	4756.	1210.	1350.	786.	586.	0.	0.	559.00
0.00	4.32	6.05	2.07	.051	.045	.060	0.000	548.90	955.78
.001784	5.	5.	5.	0	0	1	0.00	574.66	1530.44
3.00	12.82	561.72	0.00	0.00	562.10	.38	.01	.00	557.60
11800.	5433.	4753.	1214.	1352.	787.	588.	1.	0.	559.00
0.00	4.31	6.04	2.07	.051	.045	.060	0.000	548.90	955.63
.001776	5.	5.	5.	0	0	1	0.00	574.83	1530.46

3265 DIVIDED FLOW

4.00	12.73	561.63	0.00	0.00	562.18	.54	.01	.07	557.60
11800.	5430.	5192.	1274.	927.	770.	569.	1.	0.	559.00
0.00	4.75	6.66	2.25	.049	.045	.060	0.000	548.90	957.09
.002186	5.	5.	5.	2	0	1	0.00	473.65	1530.28

3265 DIVIDED FLOW

385.00	12.54	562.74	0.00	0.00	562.14	.40	.94	.03	558.00
11800.	1917.	7971.	2812.	257.	1400.	907.	22.	5.	559.00

 INTERACTIVE MEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPHS BR MADISON/MAYODAN FISH
 T2 500 YR NATURAL
 T3 TITTLE BEAVER ISLAND CREEK

J1	ICHECK	TNO	MINV	IDIR	STRT	METRIC	HVINS	WSFL	PO	
	-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	563.600	-0.000	
J2	NPROF	TPL0T	PRFVS	XSECV	YSECH	FN	ALLOC	TRW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	00.000	-0.000

*PROF 4

CCHV= .200 CRV= .400

SECMO	DEPTH	CRSEL	CRTWS	WSELK	EG	HV	HL	DLSS	BANK	ELEV
0	OCGB	QCH	CRGB	ALOB	ACH	APOB	WVOL	TWA	LEFT/RIGHT	
TIME	VDR	VDR	VDR	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLORL	XLCH	XLORR	TRIAL	IDC	ICONT	GORAR	TOPWID	ENDST	

1.00	14.70	563.60	0.00	563.60	564.05	.45	0.00	0.00	557.60	
18400.	8266.	6602.	2932.	1885.	958.	999.	0.	0.	559.00	
0.00	4.70	0.89	2.94	0.52	.045	.060	0.000	548.90	923.73	
.001827	-0.	-0.	-0.	0	0	1	0.00	610.74	1534.47	
2.00	14.71	563.61	0.00	0.00	564.06	.45	.01	.00	557.60	
18400.	8267.	6598.	2936.	1888.	959.	1001.	0.	0.	559.00	
0.00	4.70	0.88	2.93	0.52	.045	.060	0.000	548.90	923.57	
.001820	5.	5.	5.	0	0	1	0.00	610.91	1534.49	
3.00	14.72	563.62	0.00	0.00	564.07	.45	.01	.00	557.60	
18400.	8267.	6595.	2740.	1891.	960.	1003.	1.	0.	559.00	
0.00	4.69	0.87	2.93	0.52	.045	.060	0.000	548.90	923.42	
.001613	5.	5.	5.	0	0	1	0.00	611.09	1534.51	

3265 DIVIDED FLOW

4.00	14.61	563.51	0.00	0.00	564.16	.65	.01	.08	557.60	
18400.	7250.	7349.	3201.	1269.	950.	979.	1.	0.	559.00	
0.00	4.18	7.73	7.77	0.49	.045	.060	0.000	548.90	925.27	
.002327	5.	5.	5.	0	0	1	0.00	509.68	1534.27	

3265 DIVIDED FLOW

385.00	14.47	566.67	0.00	0.00	565.13	.46	.93	.04	558.00	
18400.	2062.	10808.	5450.	429.	1758.	1367.	31.	5.	559.00	

FLOOD INSURANCE ZONE DATA FOR "LITTLE BEAVER ISLAND CRK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
1.000	0.	-2.7	-0.9	1.9
2.000	5.	-2.7	-0.9	1.9
3.000	10.	-2.7	-0.9	1.9
4.000	15.	-2.7	-0.9	1.9
395.000	400.	-2.7	-1.0	1.9
390.000	405.	-1.7	-0.9	3.1
410.000	425.	-3.5	-1.5	2.2
415.000	430.	-3.4	-2.1	5.2
465.000	480.	-3.6	-2.2	5.0
400.000	1415.	-1.4	?	4.5
1900.000	1915.	-1.0	-1.1	4.3
3500.000	3515.	-2.4	-1.5	3.5
4000.000	4015.	-2.3	-1.7	2.8
4500.000	4515.	-1.9	-1.8	2.0
5000.000	5015.	-2.0	-1.6	1.6
5700.000	5715.	-2.0	-1.6	1.5
6400.000	6415.	-2.3	-1.6	2.3
7300.000	7315.	-5.2	-1.7	3.8
8900.000	8915.	-4.7	-1.5	3.5
10900.000	10915.	-4.7	-1.5	3.5
12700.000	12715.	-4.5	-1.4	3.5

WEIGHTED AVG FOR REACH = 3.6 -1.0 3.3

FHF FOR THE REACH = 0.35 WITH 17.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A-7

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10'	1'	DIFF.			
	0.				SEC.	1.000	
1	121.	559.2	561.8	-2.7	-2.7	025	100.
	5.				SEC.	2.000	
	10.				SEC.	3.000	
	15.				SEC.	4.000	
2	242.	559.3	562.0	-2.7	-2.7	025	100.
3	363.	559.8	562.5	-2.7	-2.7	025	100.
	400.				SEC.	385.000	
	405.				SEC.	390.000	
	425.				SEC.	410.000	
	430.				SEC.	415.000	
	480.				SEC.	465.000	
4	484.	561.1	566.7	-5.6	-5.4	035	75.
5	605.	561.4	566.7	-5.3	-3.8	040	0.

3.6 5.3

6	725.	562.0	566.8	-4.8	-4.0	040	17.
7	847.	562.7	566.9	-4.2	-4.0	040	29.
8	968.	563.3	567.0	-3.7	-4.0	040	38.
9	1089.	563.9	567.0	-3.1	-3.9	040	44.
10	1210.	564.5	567.1	-2.6	-3.7	035	30.
11	1331.	565.1	567.2	-2.0	-3.6	035	64.
							SEC. 1400.000
12	1415.	565.7	567.3	-1.6	-3.4	035	59.
13	1573.	565.9	567.4	-1.5	-3.3	035	54.
14	1694.	566.0	567.6	-1.6	-3.1	030	43.
15	1815.	566.0	567.7	-1.7	-3.0	030	40.
16	1915.	566.1	567.9	-1.8	-3.0	030	44.
17	2057.	566.2	568.0	-1.8	-2.9	030	41.
18	2178.	566.3	568.1	-1.9	-2.8	030	44.
19	2299.	566.3	568.3	-1.9	-2.8	030	53.
20	2420.	566.4	568.4	-2.0	-2.8	030	60.
21	2541.	566.5	568.5	-2.0	-2.7	025	62.
22	2662.	566.5	568.6	-2.1	-2.7	025	64.
23	2783.	566.6	568.7	-2.1	-2.7	025	65.
24	2904.	566.7	568.9	-2.2	-2.6	025	67.
25	3025.	566.8	569.0	-2.2	-2.6	025	68.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH	10 ⁶	(?)	0.26
	-2.0	-1.6	4.1

FHF FOR REACH I = 025 WITH 68.5% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

26	3146.	566.8	569.1	-2.3	-2.3	025	100.
27	3267.	566.9	569.2	-2.3	-2.3	025	100.
28	3388.	567.0	569.3	-2.4	-2.3	025	100.
29	3509.	567.0	569.4	-2.4	-2.3	025	100.
30	3515.	567.2	569.7	-2.4	-2.4	SEC. 3500.000	100.
31	3751.	567.6	570.0	-2.4	-2.4	025	100.
32	3872.	567.9	570.3	-2.3	-2.4	025	100.
33	3993.	568.3	570.6	-2.3	-2.3	025	100.
34	4015.	568.8	571.0	-2.3	-2.3	SEC. 4000.000	100.
35	4235.	569.4	571.5	-2.2	-2.3	025	100.
36	4356.	570.0	572.1	-2.1	-2.3	025	100.
37	4477.	570.5	572.6	-2.0	-2.3	025	100.
38	4515.	571.2	573.1	-1.9	-2.3	SEC. 4500.000	100.
39	4719.	571.8	573.7	-1.9	-2.2	020	100.
40	4840.	572.4	574.3	-2.0	-2.2	020	100.
41	4961.	572.9	574.9	-2.0	-2.2	020	100.
42	5015.	573.5	575.5	-2.0	-2.2	SEC. 5000.000	100.
43	5203.	574.1	576.1	-2.0	-2.2	020	100.
44	5324.	574.7	576.7	-2.0	-2.2	020	100.
45	5445.	575.3	577.3	-2.0	-2.2	020	100.
46	5566.	575.9	577.9	-2.0	-2.1	020	100.
47	5687.	576.5	578.5	-2.0	-2.1	020	100.
48	5715.	577.1	579.1	-2.0	-2.1	SEC. 5700.000	100.
49	5929.	577.7	579.8	-2.0	-2.1	020	100.
50	6050.	578.3	580.4	-2.1	-2.1	020	100.
51	6171.	578.9	581.1	-2.2	-2.1	020	100.
52	6292.	579.5	581.8	-2.2	-2.1	020	100.
53	6413.	580.1	582.4	-2.3	-2.1	020	100.
	6415.					SEC. 6400.000	

54	6934.	580.8	583.3	-2.5	-2.1	020	100
55	6655.	581.4	584.3	-2.9	-2.2	020	100
56	6776.	582.1	585.3	-3.3	-2.2	020	98

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH -2.2 -1.6 2.3

PHF FOR REACH 2 = 020 WITH 98% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 4

57	6897.	582.7	586.4	-3.6	-3.6	035	100.
58	7018.	583.4	587.4	-4.0	-3.8	040	100.
59	7139.	584.1	588.5	-4.4	-4.0	040	100.
60	7260.	584.7	589.5	-4.8	-4.2	040	100.
	7315.					SEC. 7300.000	
61	7381.	585.3	590.4	-5.1	-4.4	045	99.
62	7502.	585.8	590.9	-5.1	-4.5	045	98.
63	7623.	586.3	591.4	-5.1	-4.6	045	98.
64	7744.	586.8	591.8	-5.1	-4.7	045	97.
65	7865.	587.2	592.2	-5.0	-4.7	045	97.
66	7986.	587.7	592.7	-5.0	-4.7	045	97.
67	8107.	588.2	593.1	-5.0	-4.7	045	97.
68	8228.	588.6	593.5	-4.9	-4.8	050	97.
69	8349.	589.1	594.0	-4.9	-4.8	050	97.
70	8470.	589.6	594.4	-4.8	-4.8	050	97.
71	8591.	590.0	594.8	-4.8	-4.8	050	97.
72	8712.	590.5	595.3	-4.8	-4.8	050	97.
73	8833.	590.9	595.7	-4.7	-4.8	050	97.
	8915.					SEC. 8900.000	
74	8954.	591.4	595.1	-4.7	-4.8	050	97.
75	9075.	591.9	596.6	-4.7	-4.8	050	97.
76	9196.	592.3	597.0	-4.7	-4.8	050	97.
77	9317.	592.8	597.5	-4.7	-4.8	050	97.
78	9438.	593.2	597.9	-4.7	-4.8	050	97.
79	9559.	593.7	598.4	-4.7	-4.8	050	97.
80	9680.	594.2	598.9	-4.7	-4.8	050	98.
81	9801.	594.6	599.3	-4.7	-4.8	050	98.
82	9922.	595.1	599.8	-4.7	-4.7	045	98.
83	10043.	595.5	600.2	-4.7	-4.7	045	98.
84	10164.	596.0	600.7	-4.7	-4.7	045	98.
85	10285.	596.4	601.1	-4.7	-4.7	045	98.
86	10406.	596.9	601.6	-4.7	-4.7	045	98.
87	10527.	597.3	602.0	-4.7	-4.7	045	98.
88	10648.	597.8	602.5	-4.7	-4.7	045	98.
89	10769.	598.3	602.9	-4.7	-4.7	045	98.
90	10890.	598.7	603.4	-4.7	-4.7	045	98.
	10915.					SEC. 10900.000	
91	11011.	599.2	603.9	-4.7	-4.7	045	98.
92	11132.	599.6	604.3	-4.7	-4.7	045	98.
93	11253.	600.1	604.8	-4.7	-4.7	045	98.
94	11374.	600.6	605.2	-4.7	-4.7	045	98.
95	11495.	601.0	605.7	-4.6	-4.7	045	98.
96	11616.	601.5	606.1	-4.6	-4.7	045	98.
97	11737.	602.0	606.6	-4.6	-4.7	045	98.
98	11858.	602.5	607.1	-4.6	-4.7	045	98.
99	11979.	602.9	607.5	-4.6	-4.7	045	98.
100	12100.	603.4	608.0	-4.6	-4.7	045	98.
101	12221.	603.9	608.4	-4.6	-4.7	045	98.
102	12342.	604.3	608.9	-4.6	-4.7	045	98.
103	12463.	604.8	609.4	-4.6	-4.7	045	98.
104	12584.	605.3	609.8	-4.6	-4.7	045	98.
105	12705.	605.7	610.3	-4.5	-4.7	045	98.
	12715.					SEC. 12700.000	

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH	100	20	0.20
	-4.7	-1.5	3.5

REACH FOR REACH 3 = 0.95 WITH 98% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 9
=====

POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 390.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 465.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 6400.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

prelim
 FNF Table
 7/2

C FPMS BR LITTLE BEAVER ISLAND FIS
 1 FPMS BR MADISON-MAYODA FIS
 T2 10 YR NATURAL
 T3 LITTLE BEAVER ISLAND CRK

J1 ICHECK INC NINV IDIR STRT METRIC HVINS Q WSEL FO
 -10. 6. -0. -0. -0.000000 -0.00 -0.0 -0. 559.000 -0.000
 J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 1

CCHV= ,200 CEHV= ,400
 SECNO DEPTH CWSEL CRWS WSELK EG HV HL OLOSS BANK ELEV
 QLOB QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOB VOB VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00
 1.00 10.10 559.00 0.00 559.00 559.34 .34 0.00 0.00 557.60
 5700. 2977. 2723. 0. 688. 540. 0. 0. 0. 559.00
 0.00 4.33 5.04 0.00 .047 .045 0.000 0.000 548.90 1000.16
 .001866 -0. -0. -0. 0 0 1 0.00 313.84 1314.00
 2.00 10.11 559.01 0.00 0.00 559.35 .34 .01 .00 557.60
 5700. 2970. 2716. 14. 690. 541. 36. 0. 0. 559.00
 .00 4.30 5.02 .38 .047 .045 .060 .000 548.90 1000.15
 .001848 5. 5. 5. 0 0 1 0.00 503.17 1503.31
 3.00 10.13 559.03 0.00 0.00 559.36 .34 .01 .00 557.60
 5700. 2975. 2715. 15. 692. 541. 38. 0. 0. 559.00
 .00 4.29 5.01 .39 .047 .045 .060 .000 548.90 1000.13
 .001839 5. 5. 5. 0 0 1 0.00 503.28 1503.41

3265 DIVIDED FLOW

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 557.60 ELREA= 559.00
 4.00 10.08 558.98 0.00 0.00 559.41 .43 .01 .04 557.60
 5700. 2899. 2801. 0. 545. 538. 0. 0. 0. 559.00
 .00 4.31 5.21 0.00 .046 .045 .060 .000 548.90 1000.20
 .001995 5. 5. 5. 2 0 1 0.00 213.88 1313.91

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS FR MADISON/MAYODAN FIS
 T2 50 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 ICHECK INO MINV IDIR STPT METRIC HVINS C WSEL FO
 -10. 5. -0. -0. -0.000000 -0.00 -0.0 -0. 560.800 -0.000
 J2 MPROF IPILOT PRFVS XSECV XSECH FN ALLDC IRW CHNIM ITRACE
 -2.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF. 2

CCHV= .200 CCHV= .400

SECNO	DEPTH	CWSEL	CRWS	WSELK	FG	HV	HL	QLOSS	BANK	ELEV
0	DEPTH	CCH	CROR	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLCBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

1.00	11.90	560.80	0.00	560.80	561.17	.37	0.00	0.00	557.60	
9500.	4782.	4072.	646.	1114.	704.	392.	0.	0.	559.00	
0.00	4.29	5.79	1.65	.050	.045	.060	0.000	548.90	971.19	
.001855	-0.	-0.	-0.	0	0	1	0.00	551.31	1522.50	

2.00	11.91	560.81	0.00	0.00	561.18	.37	.01	.00	557.60	
9500.	4781.	4069.	650.	1116.	704.	394.	0.	0.	559.00	
.00	4.28	5.78	1.65	.050	.045	.060	.000	548.90	971.03	
.001845	5.	5.	5.	0	0	1	0.00	551.57	1522.60	

3.00	11.92	560.82	0.00	0.00	561.19	.37	.01	.00	557.60	
9500.	4780.	4067.	653.	1118.	705.	396.	1.	0.	559.00	
.00	4.27	5.77	1.65	.050	.045	.060	.000	548.90	970.87	
.001836	5.	5.	5.	0	0	1	0.00	551.83	1522.70	

3265 DIVIDED FLOW

4.00	11.84	560.74	0.00	0.00	561.26	.52	.01	.06	557.60	
9500.	4456.	4376.	668.	785.	498.	380.	1.	0.	559.00	
.00	5.67	6.27	1.75	.147	.045	.060	.000	548.90	972.18	
.002194	5.	5.	5.	2	0	1	0.00	450.05	1521.87	

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 562.00 ELREA= 562.00

385.00	11.59	561.79	0.00	0.00	562.73	.94	1.30	.17	558.00	
9500.	0.	9500.	0.	0.	1223.	0.	14.	3.	559.00	

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BP MADISON/HAYODAN FIS
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 TCHECK TNO NIMV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 2. -0. -0. -0.000000 -0.00 -0.0 -0. 561.700 -0.000

J2 NPROF TPLOT PRFVS XSECV XSECH FN ALLOC IBW CHNIM ITRACE
 3.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 3

CCHV= .200 CEHV= .400

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	ORDB	ALOP	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	RTN	ELMIN	SSTA
SLOPE	XLDBL	XLCH	XLDBR	ITRIAL	IDC	ICONT	CORAR	TOPNID	ENDST
1.00	12.80	561.70	0.00	561.70	562.06	.38	0.00	0.00	557.60
11800.	5835.	4759.	1206.	1347.	785.	584.	0.	0.	559.00
0.00	4.33	6.06	2.07	.051	.045	.060	0.000	548.90	955.93
.001792	-0.	-0.	-0.	0	0	1	0.00	574.49	1530.43

2.00	12.81	561.71	0.00	0.00	562.09	.38	.01	.00	557.60
11800.	5834.	4756.	1210.	1350.	786.	586.	0.	0.	559.00
.00	4.32	6.05	2.07	.051	.045	.060	.000	548.90	955.78
.001784	5.	5.	5.	0	0	1	0.00	574.66	1530.44

3.00	12.82	561.72	0.00	0.00	562.10	.38	.01	.00	557.60
11800.	5833.	4753.	1214.	1352.	787.	588.	1.	0.	559.00
.00	4.31	6.04	2.07	.051	.045	.060	.000	548.90	955.63
.001776	5.	5.	5.	0	0	1	0.00	574.83	1530.46

3265 DIVIDED FLOW

4.00	12.73	561.63	0.00	0.00	562.18	.54	.01	.07	557.60
11800.	5330.	5192.	1278.	927.	779.	569.	1.	0.	559.00
.00	5.75	6.66	2.25	.048	.045	.060	.000	548.90	957.09
.002156	5.	5.	5.	2	0	1	0.00	473.65	1530.28

3265 DIVIDED FLOW

385.00	12.54	562.74	0.00	0.00	563.14	.40	.94	.03	558.00
11800.	1017.	7971.	2812.	257.	1400.	907.	22.	5.	559.00

 INTERACTIVE MEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPKS BR MADISON/MAYODAN FIS
 T2 500 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1 ICHECK INO NINV IDIR STRT METRIC HVINS 0 WSEL FO
 -10. 4. -0. -0. -0.000000 -0.00 -0.0 -0. 563.600 -0.000
 J2 NPROP IPLOT PREVS XSECV XSECH FN ALLDC IRW CHNIM ITRACE
 15.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 4

CCHV= .200 CEHV= .400

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK	ELEV
0	QLOH	UCH	QLOB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOH	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLQBL	XLCH	XLQBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

1.00	14.70	563.60	0.00	563.60	564.05	.45	0.00	0.00	557.60	
18400.	8866.	6802.	2932.	1885.	958.	999.	0.	0.	559.00	
0.00	4.70	6.89	2.94	.053	.045	.060	0.000	548.90	923.73	
.001827	5.	5.	5.	0	0	1	0.00	610.74	1534.47	

2.00	14.71	563.61	0.00	0.00	564.06	.45	.01	.00	557.60	
18400.	8866.	6598.	2936.	1888.	959.	1001.	0.	0.	559.00	
.00	4.70	6.88	2.93	.053	.045	.060	.000	548.90	923.57	
.001820	5.	5.	5.	0	0	1	0.00	610.91	1534.49	

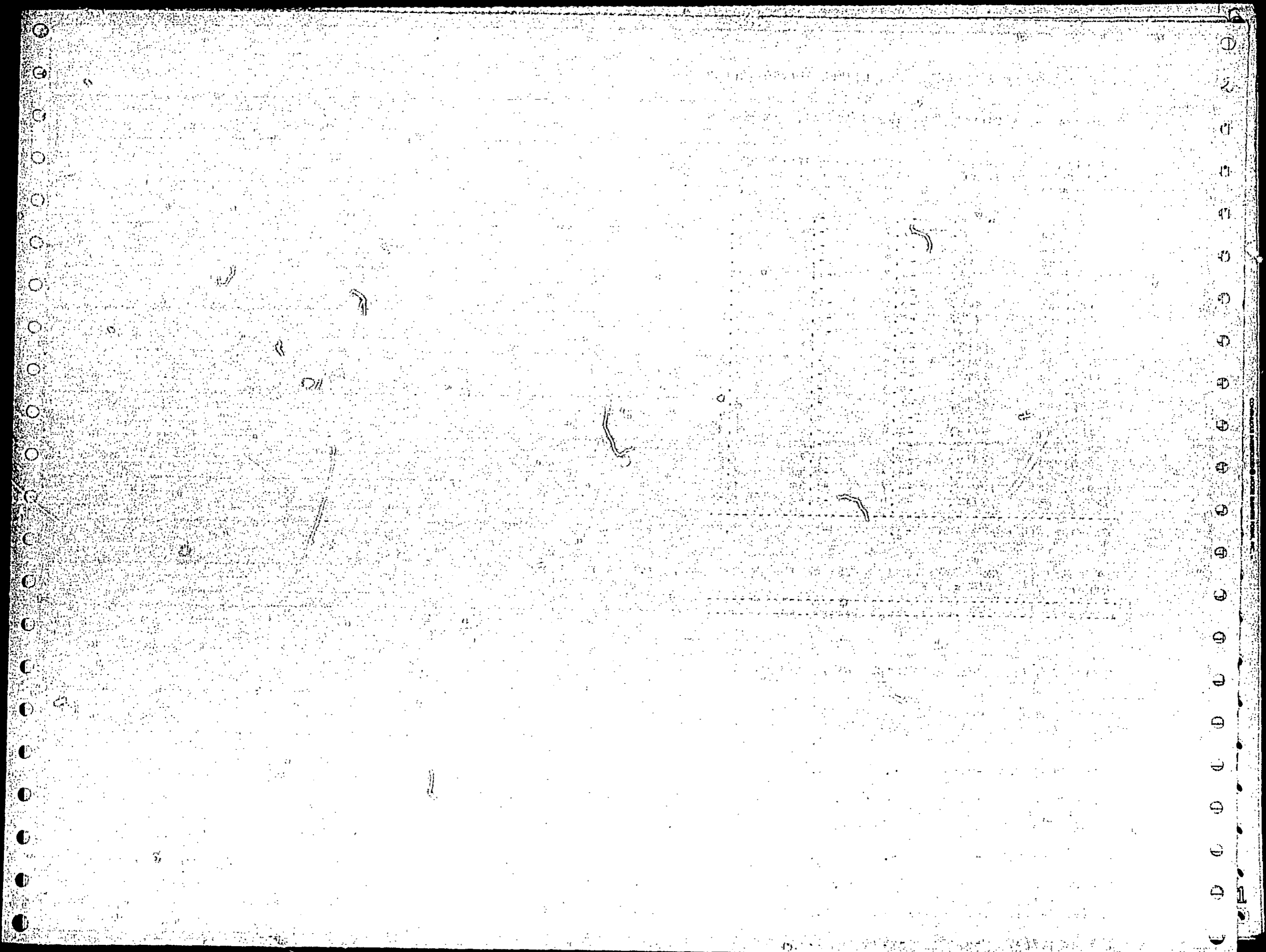
3.00	14.72	563.62	0.00	0.00	564.07	.45	.01	.00	557.60	
18400.	8865.	6595.	2940.	1891.	960.	1003.	1.	0.	559.00	
.00	4.69	6.87	2.93	.053	.045	.060	.000	548.90	923.42	
.001713	5.	5.	5.	0	0	1	0.00	611.09	1534.51	

3265 DIVIDED FLOW

4.00	14.61	563.51	0.00	0.00	564.16	.65	.01	.08	557.60	
18400.	7350.	7349.	3201.	1269.	950.	979.	1.	0.	559.00	
.00	6.18	7.73	3.27	.049	.045	.060	.000	548.90	925.27	
.002327	5.	5.	5.	2	0	1	0.00	509.68	1534.27	

3265 DIVIDED FLOW

385.00	14.47	564.67	0.00	0.00	565.13	.46	.93	.04	558.00	
18400.	2062.	10888.	5450.	429.	1758.	1387.	31.	5.	559.00	



FLOOD INSURANCE ZONE DATA FOR LITTLE HEAVER ISLAND CRK.

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
1.000	0.	-2.7	-.9	1.9
2.000	5.	-2.7	-.9	1.9
3.000	10.	-2.7	-.9	1.9
4.000	15.	-2.7	-.9	1.9
385.000	400.	-2.7	-1.0	1.9
390.000	405.	-1.7	-.9	3.1
410.000	425.	-3.5	-1.5	2.2
415.000	430.	-5.4	-2.0	5.2
465.000	480.	-5.6	-2.2	5.0
1400.000	1415.	-1.4	.2	4.6
1900.000	1915.	-1.8	-.1	4.3
3500.000	3515.	-2.4	-.6	3.5
4000.000	4015.	-2.3	-.7	2.8
4500.000	4515.	-1.9	-.6	2.0
5000.000	5015.	-2.0	-.6	1.6
5700.000	5715.	-2.0	-.6	1.5
6400.000	6415.	-2.3	-.6	2.3
7300.000	7315.	-5.2	-1.7	3.8
8900.000	8915.	-4.7	-1.5	3.5
10900.000	10915.	-4.7	-1.5	3.5
12700.000	12715.	-4.5	-1.4	3.5

WEIGHTED AVG FOR REACH -3.5 -1.0 3.3

FHF FOR THE REACH = 0.35 WITH 17.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 7

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	WEIGHTED AVG DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
25	3025.	-2.6	-.6	4.1

FHF FOR REACH 1 = 0.25 WITH 68.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

56	4776.	-2.2	-.6	2.3
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FHF FOR REACH 2 = 0.20 WITH 98.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 4

105	12705.	-4.7	-1.5	3.5
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PHF FOR REACH 3 = 0.99 WITH 99% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 9
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POSSIBLE ERROR	SECNO=	390.00	PROFILE=	3 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	390.00	PROFILE=	3 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	390.00	PROFILE=	4 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	390.00	PROFILE=	4 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	465.00	PROFILE=	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	6400.00	PROFILE=	4 CRITICAL DEPTH ASSUMED

 INTERACTIVE WEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

prelim FNF Table
if 1

C FPMS BR LITTLE BEAVER ISLAND FIS
 1 FPMS BR MADISON-MAYODAN FIS
 T2 10 YR NATURAL
 T3 LITTLE BEAVER ISLAND CRK

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	559.000	-0.000

J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROP 1

CCHV= .200 CEHV= .400

*SECNO 1.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	QLOB	QOH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VHOB	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	YLOBR	YTRIAL	YDC	YCONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 557.60 ELREA= 559.00

1.00	10.10	559.00	0.00	559.00	559.34	.34	0.00	0.00	557.60
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*SECNO 2.000

2.00	10.11	559.01	0.00	0.00	559.35	.34	.01	.00	557.60
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*SECNO 3.000

3.00	10.13	559.03	0.00	0.00	559.36	.34	.01	.00	557.60
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*SECNO 4.000

3265 DIVIDED FLOW

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 557.60 ELREA= 559.00

4.00	10.08	558.98	0.00	0.00	559.41	.43	.01	.04	557.60
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*SECNO 385.000

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 562.00 ELREA= 562.00

385.00	9.82	560.02	0.00	0.00	560.65	.63	1.16	.08	558.00
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*SECNO 390.000

3265 DIVIDED FLOW

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN FIS
 T2 50 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	TCHECK	INO	NINV	IDTR	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.800	-0.000
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	TRW	CHNTM	ITRACE
	2.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2

CCRVE= .200 CERVE= .400

*SECNO 1.000

SECNO	DEPTH	WSEL	CRNS	WSECK	FG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TRN	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	ALCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1.00	11.90	560.80	0.00	560.80	561.17	.37	0.00	0.00	597.60
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*SECNO 2.000

2.00	11.91	560.81	0.00	0.00	561.18	.37	.01	.00	557.60
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*SECNO 3.000

3.00	11.92	560.82	0.00	0.00	561.19	.37	.01	.00	597.60
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*SECNO 4.000

3265 DIVIDED FLOW

4.00	11.84	560.74	0.00	0.00	561.20	.52	.01	.06	557.60
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*SECNO 385.000

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 562.00 ELRFA= 562.00

385.00	11.59	561.79	0.00	0.00	562.73	.94	1.30	.17	558.00
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*SECNO 390.000

3265 DIVIDED FLOW

NORMAL BRIDGE, MRD= 5 MIN ELTRD= 567.80 MAX ELLC= 565.20

*** US 311 SECTION #12 ***

390.00	9.52	560.22	0.00	0.00	563.84	3.62	.04	1.07	567.80
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COMPAQ INTERGRAPH 8000 SERIES PLOTTER

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BF MADISON/MAYODAN FIS
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CREEK

J1	TCHECK	IND	FINV	IDTR	STRT	METRIC	HVINS	C	WSEL	FG
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000
J2	KPRCF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBK	CHNTH	ITRACE
	0.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 5

CURVE .200 CURVE .400

*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	FG	HV	HL	DCOSS	BANK ELEV
TIME	VLOB	VGH	VRDB	XNL	XNGH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLOH	YLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1.00	12.80	561.70	0.00	561.70	562.00	.38	0.00	0.00	557.60
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*SECNO 2.000

2.00	12.81	561.71	0.00	0.00	562.09	.38	.01	.00	557.60
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*SECNO 3.000

3.00	12.82	561.72	0.00	0.00	562.10	.38	.01	.00	557.60
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*SECNO 4.000

3265 DIVIDED FLOW

4.00	12.73	561.63	0.00	0.00	562.18	.50	.01	.07	557.60
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*SECNO 385.000

3265 DIVIDED FLOW

385.00	12.54	562.74	0.00	0.00	563.14	.40	.94	.03	558.00
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*SECNO 390.000

3685 20 TRIALS USED WSEL,CWSEL

7385 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

FLOOD INSURANCE ZONE DATA FOR LITTLE REAVER ISLAND CRK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		1.0'	2'	0.2'
1.000	0.	-2.7	-1.9	1.9
2.000	5.	-2.7	-1.9	1.9
3.000	10.	-2.7	-1.9	1.9
4.000	15.	-2.7	-1.9	1.9
385.000	400.	-2.7	-1.9	1.9
390.000	405.	-1.7	-1.9	3.1
410.000	425.	-3.5	-1.5	2.2
415.000	430.	-5.4	-2.0	3.2
465.000	480.	-5.6	-2.2	5.0
1400.000	1415.	-1.4	1.2	4.6
1900.000	1915.	-1.8	-1.1	4.3
3500.000	3515.	-2.4	-1.6	3.5
4000.000	4015.	-2.3	-1.7	2.8
4500.000	4515.	-1.9	-1.6	2.0
5000.000	5015.	-2.0	-1.6	1.6
5700.000	5715.	-2.0	-1.6	1.5
6400.000	6415.	-2.3	-1.6	2.3
7300.000	7315.	-5.2	-1.7	3.8
8900.000	8915.	-4.7	-1.5	3.5
10900.000	10915.	-4.7	-1.5	3.5
12700.000	12715.	-4.5	-1.4	3.5
WEIGHTED AVG FOR REACH		-3.5	-1.6	3.3

FHF FOR THE REACH = 0.55 WITH 17.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 7

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO	TOTAL LENGTH	WEIGHTED AVG DIFFERENCE BETWEEN BASE FLOOD AND		
		1.0'	2'	0.2'
37	4477.	-2.5	-1.6	5.8

FHF FOR REACH 1 = 0.25 WITH 84.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

105	12705.	-4.0	-1.2	3.1
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FHF FOR REACH 2 = 0.40 WITH 77.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 6

 INTERACTIVE REC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01, 02, 03, 04, 05, 06, 07, 08, 09
 MODIFICATIONS 50, 51, 52, 53, 54, 55, 56, 57, 58

Handwritten notes and signatures at the top right of the page.

C. FPMS BR LITTLE BEAVER ISLAND FIS
 1. FPMS BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CRK

J1	ICHECK	INC	AMV	TDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-1.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	-1.000	200.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GT	7.000	11800.000	11800.000	18400.000	9500.000	5700.000	11800.000	11800.000	-0.000	-0.000
NC	-0.000	-0.000	-0.000	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
NH	5.000	.050	1000.000	1000	.045	1000.000	.070	1223.000	.045	1314.000
NH	1700.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000
X1	1.000	28.000	1223.000	1314.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	-0.000	567.800	500.000	567.100	545.000	569.200	600.000	569.200	627.000
GR	567.900	649.000	566.400	700.000	565.600	800.000	565.000	900.000	559.100	1000.000
GR	549.200	1016.000	548.900	1024.000	549.000	1050.000	558.300	1060.000	557.400	1100.000
GR	557.800	1200.000	557.600	1223.000	550.700	1246.000	550.700	1272.000	551.100	1285.000
GR	555.700	1300.000	559.000	1314.000	558.800	1400.000	558.700	1500.000	561.500	1530.000
GR	566.200	1540.000	566.800	1558.000	580.000	1700.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000
X1	2.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000
X1	3.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000
X1	4.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X4	2.000	575.000	1111.000	575.000	1199.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000
X1	385.000	30.000	1000.000	1430.000	385.000	385.000	385.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	562.000	562.000	-0.000
X4	2.000	575.000	1101.000	575.000	1344.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	-0.000	568.000	500.000	569.300	545.000	569.300	625.000	567.700	650.000
GR	566.400	700.000	565.400	800.000	565.600	900.000	559.500	945.000	559.300	960.000
GR	558.000	1000.000	554.400	1005.000	552.500	1010.000	551.500	1015.000	552.000	1035.000
GR	553.500	1040.000	558.300	1050.000	557.300	1100.000	557.700	1345.000	557.600	1370.000
GR	553.000	1300.000	553.000	1410.000	541.000	1420.000	550.200	1425.000	559.000	1430.000
GR	558.800	1645.000	561.500	1675.000	566.300	1685.000	567.000	1705.000	580.000	1845.000
NH	5.000	.050	1000.000	.040	1040.000	.050	1390.000	.040	1430.000	.050

FINAL P/LU TABLE

NH	1910,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	1000,000	1430,000
X1	390,000	25,000	1000,000	1430,000	5,000	5,000	5,000	-0,000	-0,000	-0,000	-0,000
RT	5,000	1000,000	567,800	564,600	1040,000	567,900	564,700	1300,000	568,000	565,000	565,000
RT	1390,000	568,400	565,200	1430,000	568,400	565,200	-0,000	-0,000	-0,000	-0,000	-0,000
GR	580,000	-0,000	573,200	500,000	571,000	600,000	569,400	700,000	568,400	800,000	800,000
GR	567,300	900,000	567,800	1000,000	558,000	1000,000	554,400	1005,000	552,500	1010,000	1010,000
GR	551,500	1015,000	552,000	1035,000	553,500	1040,000	567,900	1040,000	568,000	1300,000	1300,000
GR	568,400	1390,000	553,000	1390,000	553,000	1410,000	551,000	1420,000	550,700	1430,000	1430,000
GR	568,400	1430,000	569,000	1500,000	570,400	1600,000	575,700	1700,000	580,000	1910,000	1910,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	850,000	1450,000
X1	410,000	-0,000	-0,000	-0,000	20,000	20,000	20,000	-0,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	1,000	-0,000	-0,000	-0,000	-0,000
NH	5,000	.100	1000,000	.055	1045,000	.070	1390,000	.055	1430,000	.080	.080
NH	1760,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	850,000	1450,000
X1	415,000	35,000	1000,000	1430,000	5,000	5,000	5,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	567,800	568,400	-0,000	-0,000
GR	580,000	330,000	570,500	500,000	567,200	550,000	564,400	620,000	562,300	720,000	720,000
GR	561,500	820,000	559,100	860,000	559,400	890,000	558,500	980,000	558,000	1000,000	1000,000
GR	554,400	1005,000	552,500	1010,000	551,500	1015,000	552,000	1035,000	553,500	1040,000	1040,000
GR	560,300	1045,000	558,400	1100,000	559,000	1120,000	558,000	1200,000	560,800	1240,000	1240,000
GR	565,300	1260,000	565,000	1290,000	560,800	1300,000	559,500	1385,000	553,000	1390,000	1390,000
GR	553,000	1410,000	551,000	1420,000	550,700	1425,000	559,500	1430,000	559,000	1500,000	1500,000
GR	558,300	1550,000	560,300	1580,000	563,400	1630,000	572,500	1700,000	580,000	1760,000	1760,000
NH	5,000	.100	980,000	.055	1030,000	.070	1550,000	.055	1585,000	.080	.080
NH	1760,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	950,000	1550,000
X1	465,000	29,000	1285,000	1585,000	50,000	50,000	50,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
GR	580,000	330,000	570,500	500,000	567,300	550,000	564,300	620,000	562,400	720,000	720,000
GR	561,500	820,000	559,100	860,000	559,400	890,000	558,500	980,000	551,800	985,000	985,000
GR	552,500	1025,000	560,300	1030,000	560,300	1040,000	558,400	1100,000	559,000	1120,000	1120,000
GR	558,000	1200,000	560,700	1240,000	565,300	1255,000	565,000	1285,000	560,700	1300,000	1300,000
GR	559,500	1400,000	559,000	1500,000	558,300	1550,000	553,300	1555,000	553,300	1580,000	1580,000
GR	560,300	1585,000	563,400	1630,000	572,500	1700,000	580,000	1760,000	-0,000	-0,000	-0,000
RT	7,000	7000,000	7000,000	11400,000	5500,000	2900,000	7000,000	7000,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	1285,000	1685,000
X1	1400,000	29,000	1285,000	1585,000	935,000	935,000	935,000	-0,000	1,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
GR	580,000	330,000	570,500	500,000	567,300	550,000	564,300	620,000	562,400	720,000	720,000
GR	561,500	820,000	559,100	860,000	559,400	890,000	558,500	980,000	551,800	985,000	985,000
GR	552,500	1025,000	560,300	1030,000	560,300	1040,000	558,400	1100,000	559,000	1120,000	1120,000
GR	558,000	1200,000	560,700	1240,000	565,300	1255,000	565,000	1285,000	560,700	1300,000	1300,000
GR	559,500	1400,000	559,000	1500,000	558,300	1550,000	553,300	1555,000	553,300	1580,000	1580,000
GR	560,300	1585,000	563,400	1630,000	572,500	1700,000	580,000	1760,000	-0,000	-0,000	-0,000
NH	4,000	.150	500,000	.070	1037,000	.060	1070,000	.150	1317,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	630,000	1130,000
X1	1400,000	22,000	1037,000	1070,000	500,000	500,000	500,000	-0,000	-0,000	-0,000	-0,000
GR	594,500	-0,000	592,200	100,000	590,100	150,000	583,600	200,000	578,100	300,000	300,000
GR	573,400	400,000	568,300	500,000	564,800	600,000	562,500	700,000	561,100	800,000	800,000
GR	561,600	900,000	560,600	970,000	562,800	1037,000	564,700	1047,000	555,900	1053,000	1053,000
GR	556,400	1072,000	562,000	1070,000	562,400	1100,000	560,500	1200,000	560,700	1249,000	1249,000
GR	584,300	1300,000	570,500	1317,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
NH	4,000	.150	730,000	.070	1037,000	.060	1070,000	.150	1317,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	740,000	1140,000
X1	3500,000	22,000	1037,000	1070,000	1600,000	1600,000	1600,000	-0,000	3,000	-0,000	-0,000
GR	594,500	310,000	592,200	300,000	590,100	415,000	583,600	450,000	578,100	520,000	520,000
GR	573,400	590,000	568,300	560,000	564,800	730,000	562,500	800,000	561,100	870,000	870,000

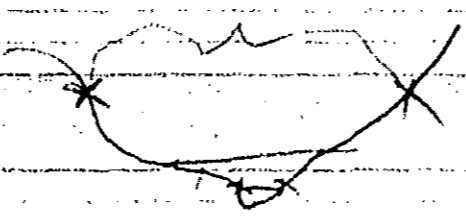
THE WESTERN UNION TELEPHONE COMPANY
 TELEPHONE DEPARTMENT
 1910

GR	581.800	940.000	580.800	990.000	582.500	1037.000	594.700	1042.000	595.900	1055.000
GR	598.400	1072.000	582.900	1079.000	582.400	1100.000	560.500	1200.000	560.700	1249.000
GR	583.300	1300.000	590.500	1317.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	840.000	1140.000
X1	4000.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.400	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	840.000	1140.000
X1	4500.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.400	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	850.000	1150.000
X1	5000.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.500	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	850.000	1150.000
X1	5700.000	-0.000	-0.000	-0.000	700.000	700.000	700.000	-0.000	3.400	-0.000
NC	.150	.150	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	150.000	240.000
X1	6400.000	12.000	179.000	240.000	700.000	700.000	700.000	-0.000	-0.000	-0.000
GR	607.600	-0.000	603.900	22.000	593.400	59.000	585.600	100.000	581.400	179.000
GR	573.200	194.000	571.800	212.000	573.000	230.000	581.600	240.000	588.900	250.000
GR	604.300	285.000	600.500	297.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	150.000	240.000
X1	7300.000	-0.000	-0.000	-0.000	1100.000	500.000	500.000	-0.000	3.700	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	150.000	250.000
X1	8900.000	-0.000	-0.000	-0.000	1500.000	1700.000	1600.000	-0.000	6.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	107.000	175.000
X1	10900.000	14.000	107.000	179.000	2100.000	1300.000	2000.000	-0.000	-0.000	-0.000
GR	625.800	-0.000	618.100	40.000	613.900	60.000	607.800	70.000	600.000	100.000
GR	599.700	107.000	589.700	130.000	589.500	146.000	589.300	158.000	598.400	175.000
GR	599.300	191.000	602.600	200.000	617.700	225.000	630.000	255.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	107.000	175.000
X1	12700.000	-0.000	-0.000	-0.000	1700.000	1900.000	1800.000	-0.000	7.000	-0.000
EJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

107
34

282
671

177
141
34



 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON/MAYOUAN FIS
 T2 FLOODWAY
 T3 LITTLE HEAVEN ISLAND CREEK

J1	ICHECK	INC	NIVV	IDIR	STRT	METRIC	WVINS	0	WSEL	FO
	-10.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	562.700	-0.000
J2	NPROF	TPLOT	PREVS	XSECV	XSECR	FW	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2

CCHV=		.200		CERV=		.400				
SECNO	DEPTH	CWSFL	CRIS	WSELK	EG	HV	HL	DLSS	BANK	ELEV
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	YLOBL	XLCH	XLOR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS=		1000.0	1400.0	TYPE=	1	TARGET=	400.000			
1.00	13.80	562.70	0.00	562.70	563.04	.34	0.00	0.00	557.60	
11800.	6145.	4929.	726.	1513.	876.	327.	0.	0.	559.00	L 268
0.00	4.06	5.62	2.22	.053	.045	.060	0.000	548.90	1000.00	R 152
.001358	-0.	-0.	-0.	0	0	1	0.00	400.00	1400.00	

3470 ENCROACHMENT STATIONS=		1000.0	1400.0	TYPE=	1	TARGET=	400.000			
2.00	13.81	562.71	0.00	0.00	563.05	.34	.01	.00	557.60	
11800.	6145.	4928.	727.	1515.	877.	327.	0.	0.	559.00	
.00	4.06	5.62	2.22	.053	.045	.060	.000	548.90	1000.00	
.001353	5.	5.	5.	0	0	1	0.00	400.00	1400.00	

3470 ENCROACHMENT STATIONS=		1000.0	1400.0	TYPE=	1	TARGET=	400.000			
3.00	13.82	562.72	0.00	0.00	563.06	.34	.01	.00	557.60	
11800.	6145.	4927.	728.	1516.	878.	328.	1.	0.	559.00	
.00	4.05	5.61	2.22	.053	.045	.060	.000	548.90	1000.00	
.001349	5.	5.	5.	0	0	1	0.00	400.00	1400.00	

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=		1000.0	1400.0	TYPE=	1	TARGET=	400.000			
4.00	13.72	562.62	0.00	0.00	563.14	.52	.01	.07	557.60	
11800.	5525.	5426.	709.	994.	869.	320.	1.	0.	559.00	
.00	5.56	6.31	2.47	.032	.045	.060	.000	548.90	1000.00	

FLOODWAY DATA, LITTLE BEAVER ISLAND CRK
 PROFILE NO. 2

----- FLOODWAY ----- WATER SURFACE ELEVATION
 STATION WIDTH SECTION MEAN WITH WITHOUT DIFFERENCE
 (FT) AREA VELOCITY FLOODWAY FLOODWAY

(A)	1.000	400.	2716.	4.3	562.7	561.7	1.0
	2.000	400.	2719.	4.3	562.7	561.7	1.0
	3.000	400.	2722.	4.3	562.7	561.7	1.0
	4.000	301.	2183.	5.4	562.6	561.6	1.0
	365.000	186.	1520.	7.8	563.4	562.7	.6
(B)	390.000	80.	728.	16.2	561.5	561.2	.4
	410.000	80.	845.	14.0	563.0	563.2	-.2
(C)	415.000	430.	3323.	3.6	566.4	566.5	-.1
(D)	465.000	600.	4437.	2.7	566.6	566.7	-.1
(E)	1400.000	358.	2439.	2.9	567.5	567.2	.3
(F)	1900.000	500.	3276.	2.1	568.0	567.8	.2
(G)	3500.000	400.	2212.	3.2	569.9	569.5	.5
(H)	4000.000	300.	1515.	4.6	571.5	570.8	.5
	4500.000	300.	1536.	4.6	573.8	573.0	.8
	5000.000	300.	1573.	4.6	576.3	575.5	.8
	5700.000	300.	1548.	4.5	579.8	578.9	.8
(I)	6400.000	90.	590.	11.9	583.5	582.8	.7
	7300.000	90.	802.	7.8	590.5	590.5	.0
(J)	8900.000	97.	907.	7.7	596.5	596.2	.3
(K)	10900.000	68.	605.	8.7	604.2	603.7	.5
(L)	12700.000	68.	821.	8.5	611.4	610.5	.9

POSSIBLE ERROR SECTO= 390.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECTO= 390.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS: 51,52,53,54,55,56,57,58

Floors way table

C FPMS BR LITTLE BEAVER ISLAND FIS
 1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 LITTLE BEAVER ISLAND CRK

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	TRW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	-1.000	1200.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J4	-1.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
QT	7.000	11800.000	11800.000	18450.000	9500.000	5700.000	11800.000	11800.000	-0.000	-0.000
NC	-0.000	-0.000	-0.000	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
NH	5.000	100.000	100.000	.045	1060.000	.070	1223.000	.045	1314.000	.060
NH	1700.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1400.000
X1	1.000	28.000	1223.000	1314.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	-0.000	567.800	500.000	569.100	545.000	569.200	600.000	569.200	627.000
GR	567.900	609.000	566.400	700.000	565.600	800.000	565.000	900.000	559.100	1000.000
GR	549.200	1016.000	548.900	1024.000	549.000	1050.000	558.300	1060.000	557.400	1100.000
GR	557.800	1200.000	557.600	1223.000	550.700	1245.000	550.700	1272.000	551.100	1285.000
GR	555.700	1300.000	559.000	1314.000	558.800	1400.000	559.700	1500.000	561.500	1530.000
GR	566.200	1540.000	566.800	1558.000	580.000	1700.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1400.000
X1	2.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1400.000
X1	3.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1400.000
X1	4.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X4	2.000	575.000	1101.000	575.000	1199.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1430.000
X1	55.000	50.000	1005.000	1430.000	385.000	385.000	385.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	562.000	562.000	-0.000
X4	2.000	575.000	1101.000	575.000	1344.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	-0.000	568.000	500.000	569.300	545.000	569.300	625.000	567.700	650.000
GR	566.400	700.000	565.400	800.000	565.000	900.000	559.500	945.000	559.300	960.000
GR	558.000	1000.000	554.400	1005.000	552.500	1010.000	551.500	1015.000	552.000	1035.000
GR	553.500	1040.000	559.300	1050.000	557.300	1100.000	557.700	1345.000	557.600	1370.000
GR	553.000	1390.000	553.000	1410.000	551.000	1420.000	550.200	1425.000	559.000	1430.000

GR	558.800	1645.000	561.500	1675.000	566.300	1685.000	567.000	1705.000	580.000	1845.000
NH	5.000	.050	1000.000	.040	1040.000	.050	1390.000	.040	1430.000	.050
NH	1910.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1000.000	1430.000
X1	390.000	25.000	1000.000	1430.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
BT	5.000	1000.000	567.800	564.600	1040.000	567.900	564.700	1300.000	568.000	565.000
BT	1390.000	568.400	565.200	1430.000	568.400	565.200	-0.000	-0.000	-0.000	-0.000
GR	560.000	-0.000	573.200	500.000	571.000	600.000	569.400	700.000	568.400	800.000
GR	567.300	980.000	567.300	1000.000	558.000	1000.000	554.400	1005.000	552.500	1010.000
GA	551.500	1015.000	552.000	1035.000	553.500	1045.000	567.900	1040.000	565.000	1040.000
GR	568.400	1390.000	553.000	1390.000	553.000	1410.000	551.000	1420.000	551.700	1430.000
GR	568.400	1430.000	569.000	1500.000	570.400	1600.000	575.700	1700.000	580.000	1910.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	850.000	1450.000
X1	410.000	-0.000	-0.000	-0.000	20.000	20.000	20.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	1.000	-0.000	-0.000	-0.000
NH	5.000	.100	1000.000	.055	1045.000	.070	1390.000	.055	1430.000	.080
NH	1760.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	850.000	1450.000
X1	415.000	35.000	1000.000	1430.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	567.800	568.400	-0.000
GR	580.000	330.000	570.500	500.000	567.200	550.000	564.400	620.000	562.300	720.000
GR	561.500	820.000	559.100	860.000	559.400	890.000	558.500	980.000	558.000	1000.000
GR	554.400	1005.000	552.500	1010.000	551.500	1015.000	552.000	1035.000	553.500	1040.000
GR	560.300	1045.000	558.400	1100.000	559.000	1120.000	558.000	1200.000	560.800	1240.000
GR	565.300	1260.000	565.000	1290.000	560.800	1300.000	559.500	1385.000	553.000	1390.000
GR	553.000	1410.000	551.000	1420.000	550.700	1425.000	559.500	1430.000	559.000	1500.000
GR	558.300	1540.000	560.300	1580.000	563.400	1630.000	572.500	1700.000	580.000	1760.000
NH	5.000	.100	980.000	.055	1030.000	.070	1550.000	.055	1585.000	.080
NH	1760.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	950.000	1550.000
X1	465.000	59.000	1285.000	1585.000	50.000	50.000	50.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	330.000	570.500	500.000	567.300	550.000	564.300	620.000	562.400	720.000
GR	561.500	820.000	559.100	860.000	559.400	890.000	558.500	980.000	551.800	985.000
GR	552.500	1025.000	560.300	1030.000	560.300	1040.000	558.400	1100.000	559.000	1120.000
GR	558.000	1260.000	560.700	1240.000	565.300	1255.000	565.000	1285.000	560.700	1300.000
GR	559.500	1370.000	559.000	1500.000	558.300	1550.000	553.300	1555.000	553.300	1500.000
GR	560.300	1545.000	563.400	1630.000	572.500	1760.000	580.000	1760.000	-0.000	-0.000
BT	7.000	7000.000	7000.000	13400.000	5500.000	2900.000	7000.000	7000.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1285.000	1685.000
X1	1400.000	32.000	1285.000	1585.000	935.000	935.000	935.000	-0.000	2.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	580.000	330.000	570.500	500.000	567.300	550.000	564.300	620.000	562.400	720.000
GR	561.500	820.000	559.100	860.000	559.400	890.000	558.500	980.000	551.800	985.000
GR	552.500	1025.000	560.300	1030.000	560.300	1040.000	558.400	1100.000	559.000	1120.000
GR	558.000	1260.000	560.700	1240.000	565.300	1255.000	565.000	1285.000	560.700	1300.000
GR	559.500	1370.000	559.000	1500.000	558.300	1550.000	553.300	1555.000	553.300	1500.000
GR	560.300	1545.000	563.400	1630.000	572.500	1760.000	580.000	1760.000	-0.000	-0.000
NH	4.000	.150	5000.000	.070	1037.000	.060	1070.000	.150	1317.000	.080
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	630.000	1130.000
X1	1400.000	32.000	1037.000	1070.000	500.000	500.000	500.000	-0.000	-0.000	-0.000
GR	594.500	30.000	592.200	1500.000	590.100	1510.000	583.600	200.000	570.000	300.000
GR	573.400	470.000	563.300	500.000	564.800	600.000	562.500	700.000	551.000	800.000
GR	561.500	930.000	560.500	970.000	562.500	1030.000	554.700	1047.000	555.000	1050.000
GR	556.400	1072.000	562.900	1070.000	562.400	1100.000	560.500	1200.000	550.700	1240.000
GR	583.300	1300.000	590.500	1317.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
NH	4.000	.150	730.000	.070	1037.000	.060	1070.000	.150	1317.000	.080
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	750.000	1240.000
X1	3500.000	22.000	1037.000	1070.000	1600.000	1600.000	1600.000	-0.000	3.000	-0.000

GR	594.500	310.000	592.200	380.000	590.100	415.000	583.800	450.000	578.100	520.000
GR	573.400	590.000	568.300	660.000	564.800	730.000	562.500	800.000	561.100	870.000
GR	561.600	940.000	560.600	990.000	562.500	1037.000	554.700	1042.000	555.900	1053.000
GR	556.400	1072.000	562.900	1079.000	562.400	1100.000	560.500	1200.000	560.700	1249.000
GR	583.300	1300.000	590.500	1317.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	640.000	1140.000
X1	4000.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.400	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	840.000	1140.000
X1	4500.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.400	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	890.000	1190.000
X1	5000.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	2.500	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	850.000	1150.000
X1	5700.000	-0.000	-0.000	-0.000	700.000	700.000	700.000	-0.000	3.400	-0.000
NC	.150	.150	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	150.000	240.000
X1	6400.000	12.000	179.000	240.000	700.000	700.000	700.000	-0.000	-0.000	-0.000
GR	607.600	-0.000	603.900	22.000	593.400	59.000	585.600	160.000	581.400	179.000
GR	573.200	194.000	571.800	212.000	573.000	230.000	581.600	240.000	588.900	250.000
GR	604.300	245.000	608.500	292.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	150.000	240.000
X1	7300.000	-0.000	-0.000	-0.000	1100.000	500.000	900.000	-0.000	3.700	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	190.000	250.000
X1	8200.000	-0.000	-0.000	-0.000	1500.000	1700.000	1600.000	-0.000	6.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	107.000	175.000
X1	10900.000	14.000	167.000	175.000	2100.000	1300.000	2000.000	-0.000	-0.000	-0.000
GR	625.800	-0.000	618.150	40.000	613.900	60.000	607.800	70.000	600.000	100.000
GR	599.700	107.000	589.700	130.000	589.500	146.000	589.300	158.000	598.400	175.000
GR	599.300	191.000	602.700	200.000	617.700	226.000	630.000	255.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	107.000	175.000
X1	12700.000	-0.000	-0.000	-0.000	1700.000	1900.000	1800.000	-0.000	7.000	-0.000
EJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

1 *05* *10* *10*

CONTINUOUS PRINTING SYSTEMS COMPANY, INC.

 INTERACTIVE PEG2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON/MAYODAN FIS
 T2 METHOD =1 FLOODWAY
 T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	TNO	WINV	TOIF	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	562.700	-0.000
J2	NPROP	TFCOT	PREVS	XSECV	XSECH	FN	ALLDC	TBW	CHNIM	TTRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2
 CCHV= .200 CERV= .400
 1490 NH CARD USED
 *SECNO 1.000

SECD	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OCLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELKIN	SSTA
SLOPE	XLQBL	XLCH	XLQBR	TTRIAL	IDR	TCONT	CORAR	TOPHTD	ENDST

3470 ENCROACHMENT STATIONS=	1000.0	1400.0	TYPE=	1	TARGET=	400.000			
1.00	13.80	562.70	0.00	562.70	563.04	.34	0.00	0.00	557.60
11800.	6145.	4929.	725.	1515.	875.	327.	0.	0.	559.00
.00	4.06	5.62	2.22	1.053	.045	.060	0.000	548.90	1000.00
.001356	-0.	-0.	-0.	0	0	1	0.00	400.00	1400.00

*SECNO 2.000

3470 ENCROACHMENT STATIONS=	1000.0	1400.0	TYPE=	1	TARGET=	400.000			
2.00	13.81	562.71	0.00	0.00	563.05	.34	.01	.00	557.60
11800.	6145.	4928.	727.	1515.	877.	327.	0.	0.	559.00
.00	4.06	5.62	2.22	1.053	.045	.060	0.000	548.90	1000.00
.001353	5.	5.	5.	0	0	1	0.00	400.00	1400.00

*SECNO 3.000

3470 ENCROACHMENT STATIONS=	1000.0	1400.0	TYPE=	1	TARGET=	400.000			
3.00	13.82	562.72	0.00	0.00	563.06	.34	.01	.00	557.60
11800.	6145.	4927.	728.	1515.	878.	328.	1.	0.	559.00
.00	4.05	5.61	2.22	1.053	.045	.060	0.000	548.90	1000.00
.001349	5.	5.	5.	0	0	1	0.00	400.00	1400.00

*SECNO 4.000

FLOODWAY DATA, LITTLE BEAVER ISLAND CRK
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE

1.000	400.	2716.	4.3	562.7	561.7	1.0
2.000	400.	2719.	4.3	562.7	561.7	1.0
3.000	400.	2722.	4.3	562.7	561.7	1.0
4.000	301.	2183.	5.4	562.6	561.6	1.0
382.000	186.	1523.	7.8	563.4	562.7	.6
390.000	80.	728.	14.2	561.5	561.2	.3
410.000	600.	1338.	8.8	570.1	569.4	.8
415.000	600.	7678.	1.5	571.6	570.8	.8
455.000	500.	7443.	1.6	571.6	570.8	.8
1400.000	386.	3668.	1.9	571.8	570.9	.8
1900.000	500.	5236.	1.3	571.9	571.1	.8
3500.000	400.	3199.	2.2	572.4	571.6	.8
4000.000	300.	1972.	3.5	572.9	572.0	.8
4500.000	300.	1662.	4.2	574.2	573.3	.9
5000.000	300.	1541.	4.5	576.3	575.5	.7
5700.000	300.	1546.	4.5	579.7	578.9	.8
6400.000	90.	590.	11.9	583.5	582.8	.7
7300.000	90.	872.	7.8	593.5	592.5	.9
8900.000	97.	907.	7.7	596.5	596.2	.3
10900.000	68.	895.	8.7	604.2	603.7	.5
12700.000	68.	821.	8.5	611.4	610.5	.9

POSSIBLE ERROR	SECNO=	390.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	390.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	410.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	410.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	410.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	410.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL