Find FHF Table 3/10/76

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

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

J2  NPROF     IPLOT     PREVS     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     CRIWS     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

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
  5700.     2577.     7423.        0.      688.      546.        0.        0.        0.    559.00
   0.00      0.33      5.02      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       .01    557.60
  5700.     2975.     2716.       10.      690.      541.       38.        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.     2570.     2715.      [illegible]      692.      541.       38.        0.        0.    559.00
   [illegible]      4.29      5.01       .29      .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,ELLEA=      557.60 ELREA=      559.00
   4.00     10.08    556.98      0.00      0.00    559.41       .43       .01       .04    557.60
  5700.     2795.     2801.        0.      555.      530.        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    213.08   1313.91
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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
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T1       FPMS BR MADISON/MAYODAN FIS
T2       50 YR NATURAL
T3       LITTLE BEAVER ISLAND CREEK

J1  ICHECK     INQ      NINV     IDIR      STRT     METRIC     HVINS       Q       WSEL       FQ

     -10.       5.       -0.      -0.   -0.000000   -0.00      -0.0      -0.    560.800    -0.000

J2  NPROF     IPLOT    PREVS     XSECV     XSECH       FN      ALLDC      IBW     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=    .400
  SECNO    DEPTH    CWSEL    CRIWS    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   560.50     0.00   560.80   561.17      .37     0.00     0.00   557.60
   9500.    4732.    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     1.55     .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     1.55     .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.     765.     708.     380.       1.       0.   559.00
    .00     5.57     6.27     1.76     .147     .045     .060     .000   548.90   972.18
 .002194       5.       5.       5.        2        0        1     0.10   450.05  1521.87

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

 385.00    11.59   561.79     0.10     0.00   562.73      .94     1.30      .17   558.00
   9500.       0.    9500.       1.       0.    1223.       0.      14.       3.   559.00
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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
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T1       FPMS BR MADISON/MAYODAN FIS
T2       100 YR NATURAL
T3       LITTLE BEAVER ISLAND CREEK

J1  ICHECK    INQ      NINV     IDIR     STRT      METRIC    HVINS     Q        WSEL      FQ

     -10.      2.       -0.      -0.   -0.000000   -0.00     -0.0     -0.    561.700   -0.000

J2  NPROF    IPLOT    PREVS    XSECV    XSECH      FN        ALLDC    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    CWSEL    CRIWS    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    12.80   561.70    0.00   561.70   562.08     .38     0.00     0.00   557.60
   11600.    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
   11600.    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
   11600.    5833.    4753.   1214.    1352.     787.     586.      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   562.16     .54      .01      .07   557.60
   11600.    5330.    5392.   1278.     927.     779.     569.      1.       0.    559.00
      .00     5.75     6.66    2.25     .048     .045     .060     .000   548.90   957.09
  .002166       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
   11600.   10171.    7971.   2812.     257.    1400.     907.      22.      5.    559.00
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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
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T1 FPMS BR MADISON/MAYODAN FIS
T2 500 YR NATURAL
T3 LITTLE BEAVER ISLAND CREEK

J1 ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	563.600	-0.000

J2 NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
15.000	-0.000	0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 4

CCHV= .200 CEHV= .400

SECNO	DEPTH	CWSEL	CRIWS	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	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
.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.	8866.	6598.	2935.	1688.	959.	1001.	0.	0.	559.00
.00	4.70	6.88	2.93	.153	.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.	8855.	6595.	2940.	1891.	960.	1003.	1.	0.	559.00
.00	4.69	6.87	2.93	.153	.045	.060	.000	548.90	923.42
.001813	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.	7550.	7349.	3501.	1269.	950.	979.	1.	0.	559.00
.00	5.18	7.73	3.27	.149	.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.	2962.	10888.	5450.	429.	1758.	1387.	31.	5.	559.00
5.	605.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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- 10F	2F	0.2F
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	75.	-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	-2.8	5.2
465.000	480.	-5.6	-2.9	5.0
1400.000	1415.	-1.9	-.2	4.7
1900.000	1915.	-2.2	-.3	4.4
3500.000	3515.	-2.6	-.7	3.5
4000.000	4015.	-2.3	-.7	2.8
4500.000	4515.	-1.9	-.5	1.9
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	-1.1	3.3

FHF FOR THE REACH = 035 WITH 17.8% OF THE REACH WITHIN 1.6 FEET
ZONE FOR THE REACH = A7

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 100	10	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.		1.000
1	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	559.5	-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	-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.
	1415.				SEC. 1400.000		
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.
	1915.				SEC. 1900.000		
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	76.
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	-2.5	-2.9	030	80.
26	3146.	566.5	569.0	-2.5	-2.9	030	81.
27	3267.	566.6	569.1	-2.5	-2.9	030	81.
28	3388.	566.8	569.3	-2.5	-2.9	030	82.
29	3509.	566.9	569.4	-2.5	-2.8	030	83.
	3515.				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	84.
32	3872.	567.9	570.3	-2.4	-2.8	030	84.
33	3993.	568.3	570.6	-2.3	-2.8	030	85.
	4015.				SEC. 4000.000		
34	4114.	568.8	571.0	-2.2	-2.8	030	85.
35	4235.	569.4	571.5	-2.2	-2.8	030	86.
36	4356.	570.0	572.1	-2.1	-2.7	025	86.
37	4477.	570.6	572.6	-2.0	-2.7	025	86.
	4515.				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.
	5015.				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.
	5715.				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

	1%	2%	0.2%
WEIGHTED AVG FOR REACH	-2.5	-.7	3.3

FHF FOR REACH 1 = 825 WITH 99.2 OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

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.
	6415.				SEC. 6400.000		

54	6534.	580.8	583.5	-2.5	-2.2	020	100.
55	6655.	581.4	584.3	-2.9	-2.4	025	100.
56.	6776.	582.1	585.3	-3.3	-2.5	025	100.
57	6597.	582.7	586.4	-3.6	-2.6	025	98.
58	7018.	583.4	587.4	-4.0	-2.6	030	96.
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	590.9	-5.1	-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.	590.9	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		

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-4.4	-4.4	-3.4

FHF FOR REACH 2 = 045 WITH 92.0 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

Re-Run with divisions shown. *FHF 3/9/77*

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

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

J2  NPROF    IPLOT    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= [illegible]
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SECNO	DEPTH	CWSEL	CRIWS	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
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
5700.	2977.	2723.	0.	666.	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	0.01	0.00	559.35	.34	.01	.00	557.60
5700.	2970.	2716.	14.	695.	541.	36.	0.	0.	559.00
.00	4.30	5.02	.12	.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.	2977.	2715.	17.	692.	541.	36.	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

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
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
5700.	2879.	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

1

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

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.800	-0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	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

SECNO Q TIME SLOPE	DEPTH QLOB VLOB XLOBL	CWSEL QCH VCH XLCH	CRIWS QROB VROB XLOBR	WSELK ALOB XNL ITRIAL	EG ACH XNCH IDC	HV AROB XNR ICONT	HL VOL WTN CORAR	OLOSS TWA ELMIN TOPWID	BANK ELEV LEFT/RIGHT SSTA 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.	4758.	4067.	655.	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.	698.	380.	1.	0.	559.00
.00	5.67	6.27	1.76	.047	.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

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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
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T1 FPMS BP MADISON/MAYODAN FIS

T2 100-YR NATURAL

T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	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= .300

SECNO	DEPTH	CWSEL	CRIWS	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	12.80	561.70	0.00	561.70	562.08	.38	0.00	0.00	557.60
11800.	5835.	4759.	1236.	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
.03	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	562.16	.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
.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	563.14	.40	.94	.03	558.00
11800.	1017.	7971.	2812.	157.	1400.	907.	22.	5.	559.00

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

     J1  ICHECK      INQ      NINV      IDIR      STRT    METRIC     HVINS         Q      WSEL        FQ
            -10.        4.        -0.       -0.  -0.000000     -0.00      -0.0        -0.   563.600    -0.000

     J2  NPROF     IPLOT     PRFVS     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

     *PROF=4

     CCHV=   .200 CEHV=   .400
       SECNO      DEPTH      WTSEL      CRIWS      WSELK         FQ         HV         HL      OLOSS     BANK ELEV
           0.       OLOB       OCH       OROB       ALOB        ACH       APOB        VOL        TWA   LEFT/RIGHT
        TIME      VLOB       VCH       VROB        XNL       XNCH        XNR        WTN      ELMIN       SSTA
       SLOPE     XLOBL      XLCH      XLOBR     ITRIAL        IDC      ICONT      COPAR     TOPWID      ENDST

        1.00     14.70    563.60      0.00    563.60    564.05       .45       0.00       0.00    567.60
       14400.     3566.     6602.     2932.     1805.      958.      999.         0.         0.    559.00
        0.00      4.70      6.89      2.94      .053      .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    563.60    564.06       .45       .01        .00    567.60
       18400.     3566.     6598.     2935.     1808.      959.     1001.         0.         0.    559.00
         .00      4.70      6.89      2.93      .053      .049      .060      .000     548.90    923.57
    .001420          5.        5.        5.         0         0         1       0.00     610.91   1534.49

        3.00     14.72    563.62      0.00    563.60    564.07       .45       .01        .00    567.60
       18400.     3565.     6595.     2936.     1801.      960.     1003.         1.         0.    559.00
         .00      4.69      6.87      2.93      .053      .049      .060      .000     548.90    923.42
    .001913          5.        5.        5.         0         0         1       0.00     611.09   1534.51

     3265 DIVIDED FLOW

        4.00     14.61    563.51      0.00    563.50    564.19       .65       .01        .08    567.60
       18400.     7850.     7349.     3201.     1269.      950.      979.         1.         0.    559.00
         .00      5.18      7.73      3.27      .049      .045      .060      .000     548.90    925.27
    .002327          5.        5.        5.         2         3         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    568.00
       18400.     2062.    10808.     5450.      429.     1758.     1387.        31.         5.    559.00
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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 1.0B	2B	0.2B
1.000	0.	-2.7	-.9	1.9
2.000	5.	-2.7	-.9	1.9
3.000	10.	-2.7	-.8	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	-2.6	5.2
455.000	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	2.6
4500.000	4515.	-1.9	-.5	2.0
5000.000	5015.	-2.0	-.6	1.6
5200.000	5715.	-2.0	-.6	1.5
6400.000	6415.	-2.3	-.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

FHF FOR THE REACH = 1.05 WITH 17.6% 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 100	10	DIFF.	AVG.	FHF		PERCENT WITHIN
	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.	455.000	

ELEVATION DIFFERENCE

			BETWEEN BASE FLOOD AND				
			10*	2*	0.2*		
WEIGHTED AVG FOR REACH			-2.7	-.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

	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

8			-3.7				
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	-2.0	-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	-2.6	-.2	4.3

from Inc. 8

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	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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	4515.				SEC. 4200.000		
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	574.9	-2.0	-2.2	020	100.
	5015.				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.
	5715.				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	581.6	-2.2	-2.1	020	100.
53	6413.	580.1	582.4	-2.3	-2.1	020	100.
	6415.				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	2	0.20	
	WEIGHTED AVG FOR REACH			-2.2	-.6	2.3	
	FHF FOR REACH 4 = 020 WITH 98.% OF THE REACH WITHIN 100 FEET						
	ZONE FOR THE REACH = A A						
57	6897.	582.7	586.3	-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	98.
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	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	598.9	-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	96.
87	10527.	597.3	602.0	-4.7	-4.7	045	96.

			BETWEEN BASE FLOOD AND				
			10*	2*	0.2*		
WEIGHTED AVG FOR REACH			-2.7	-.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							
8			-3.7				
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	-.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	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.

	4515.				SEC. 4500.000		
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	574.9	-2.0	-2.2	020	100.
	5015.				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.
	5715.				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.
	6415.				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	-.6	2.3

FBF 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.
	7315.				SEC. 7300.000		
61	7381.	585.3	590.4	-5.1	-4.4	045	98.
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	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	598.9	-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.

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

FRF 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

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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
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FIF Table #3

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

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

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLOC     IRU       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     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
       Q      GLOB      GCH       GROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN     ELMIN       GSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     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
    5700.     2977.     2723.        0.      698.      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.     2970.     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;ELLEA=     557.60 ELREA=     559.00

    4.00     10.08    558.98      0.00      0.00    559.41      .43       .01       .04    557.60
    5700.     2799.     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
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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
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T1      FPMS GR MADISON/MAYODAN FIS
T2      50 YR NATURAL
T3      LITTLE BEAVER ISLAND CREEK

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
      -10.       5.        -0.       -0.  -0.000000     -0.00     -0.0      -0.    560.800   -0.000

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       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=    .400
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         OLOB      OCH       OROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH    A  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.     4732.     4072.      645.     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.     4701.     4069.      650.     1116.      704.      394.        0.        0.    559.00
       .00      4.28      5.78     1.65      .050      .045      .060      .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       .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.      698.      380.        1.        0.    559.00
       .00      5.67      6.27     1.76      .047      .045      .060      .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 ELREA=      562.00

   385.00     11.59    561.79      0.00      0.00    562.73      .94      1.30       .17    556.00
     9500.        0.     9500.        0.        0.      1223.        0.       14.        3.    559.00
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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
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T1 FPMS BR MADISON/MAYODAN FIS
T2 100 YR NATURAL
T3 LITTLE BEAVER ISLAND CREEK

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	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 / Q / TIME / SLOPE	DEPTH / QLOB / VLOB / XLOBL	CWSEL / QCH / VCH / XLCH	CRIWS / QROB / VROB / XLOBR	WSELK / ALOB / XNL / ITRIAL	EG / ACH / XNCH / IDC	HV / AROB / XNR / ICONT	HL / VOL / WTN / CORAR	OLOSS / TWA / ELMIN / TOPWID	BANK ELEV LEFT/RIGHT / SSTA / ENDST
1.00	17.80	561.70	0.00	561.70	562.08	.38	0.00	0.00	557.60
11800.	5335.	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	17.81	561.71	0.00	0.00	562.09	.38	.01	.00	557.60
11800.	5334.	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	17.82	561.72	0.00	0.00	562.10	.38	.01	.00	557.60
11800.	5333.	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

3285 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	.748	.045	.060	.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	563.14	.40	.94	.03	558.00
11800.	1917.	7971.	2812.	257.	1400.	907.	22.	5.	559.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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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
**********************************************


T1     FPMS BR HADISON/MAYODAN FIS
T2     500 YR NATURAL
T3     LITTLE BEAVER ISLAND CREEK

J1  ICHECK     INO       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
          -10.       4.        -0.       -0.-0.000000      -0.00     -0.0      -0.    563.600    -0.000

J2  NPROF      IPLOT     PRFVS     XSECV     XSFCH     FN        ALLOC     IBW       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     CWSEL     CRIWS     WSELK     EG        VH        HL        OLOSS     BANK ELEV
     Q         OLOB      OCH       CROB      ALOB      ACH       AROB      WVOL      TWA       LEFT/RIGHT
     TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
     SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     OCORAR    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.     1865.      958.      999.        0.        0.    559.00
          0.00      4.70      0.69      2.94      .053      .045      .060     0.000    546.90    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.     8866.     6598.     2936.     1868.      959.     1001.        0.        0.    559.00
           .00      4.70      0.68      2.93      .053      .045      .060      .000    546.90    923.57
      .001820          5.        5.        5.         0         0         1     20.00    610.91   1534.49

          3.00     14.72    563.62      0.00      0.00    564.07      .45      .01       .00    557.60
        18400.     8867.     6595.     2940.     1891.      960.     1003.        1.        0.    559.00
           .00      4.69      0.67      2.93      .053      .045      .060      .000    546.90    923.42
      .001813          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      .11       .08    557.60
        18400.     7850.     7349.     3201.     1269.      950.      979.        1.        0.    559.00
           .00      4.18      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    566.67      0.00      0.00    565.13      .46      .93       .04    558.00
        18400.     2062.    10808.     5450.      429.     1758.     1367.       31.        5.    559.00
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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 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	-2.4	5.2
465.000	485.	-3.6	-2.2	5.0
1400.000	1415.	-1.4	.2	4.5
1900.000	1912.	-1.0	-.1	4.3
3500.000	3515.	-2.4	-.5	3.5
4000.000	4015.	-2.3	-.7	2.8
4500.000	4515.	-1.9	-.8	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 REAC		-5.6	-1.8	3.3

FHF FOR THE REACH = 035 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 10*	1*	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.					SEC.	1.000
1	121.	559.2	561.9	-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	563.	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.

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.
	1415.				SEC. 1400.000		
12	1452.	565.7	567.3	-1.6	-3.4	035	58.
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.
	1915.				SEC. 1900.000		
16	1936.	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

	1%	2%	0.2%
WEIGHTED AVG FOR REACH	-2.6	-.6	4.1

FHF FOR REACH 1 = 025 WITH 68.4 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.
	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.	570.5	572.6	-2.0	-2.3	025	100.
	4515.				SEC. 4500.000		
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	574.9	-2.0	-2.2	020	100.
	5015.				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.
	5715.				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.
	6415.				SEC. 6400.000		

54	6534.	580.6	583.3	-2.9	-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 PETWEEN BASE FLOOD AND

	10*	2*	0.2*
WEIGHTED AVG FOR REACH	-2.2	-.6	2.3

FHF 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	98.
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	-4.4	-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		
	1@	2@	0.2@
WEIGHTED AVG FOR REACH	-4.7	-1.5	3.5

CRF FOR REACH 3 = 0.95 WITH 98.8 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

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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
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Finalize FNF Table T2

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

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

J2  NPROF      IPLOT     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     CRIWS     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

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
     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.     2976.     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,ELLEA=     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     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
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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
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T1      FPMS FR MADISON/MAYODAN FIS
T2      50 YR NATURAL
T3      LITTLE BEAVER ISLAND CREEK

J1  ICHECK     INQ      NINV      IDIR      STRT      METRIC    HVINS     Q          WSEL      FQ
      -10.       5.       -0.       -0.  -0.000000     -0.00     -0.0       -0.   560.800    -0.000

J2  NPROF     IPLOT     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 CEHV=    .400
    SECNO     DEPTH     CWSEL     CRIWS     WSELK      FQ        HV        HL       QLOSS   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     -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.       496.      380.       1.        0.      559.00
      .00     5.67     6.27      1.76       .047       .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
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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
*******************************************

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

J1   ICHECK      INQ      NINV      IDIR      STRT     METRIC    HVINS       Q      WSEL      FQ

      -10.        2.       -0.       -0.  -0.000000    -0.00     -0.0       -0.   561.700   -0.000

J2   NPROF      IPLOT     PRFVS     XSECV     XSECH       FN      ALLDC      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     CWSEL     CRIWS     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     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.     4756.     1210.     1390.      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
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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
**********************************************

T1      FPRS BR MADISON/MAYODAN FIS
T2      500 YR NATURAL
T3      TITLE BEAVER ISLAND CREEK

J1   ICHECK     INO       NINV      IDIR      STRT      METRIC    HVINS     0         WSEL      FQ
       -10.       4.        -0.       -0.  -0.000000    -0.00     -0.0      -0.    563.600    -0.000

J2   NPROF     IPLOT     PRFVS     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 1

CCHV=    .200 CEHV=    .400
  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
  0         OLOB      OCH       CLOB      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     14.70    563.60      0.00    563.60    564.05      .45      0.00      0.00    557.60
   18400.     8866.    6602.     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       -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.     8866.    6598.     2936.     1886.     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
 .001813        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     5.18     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

   325.00     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
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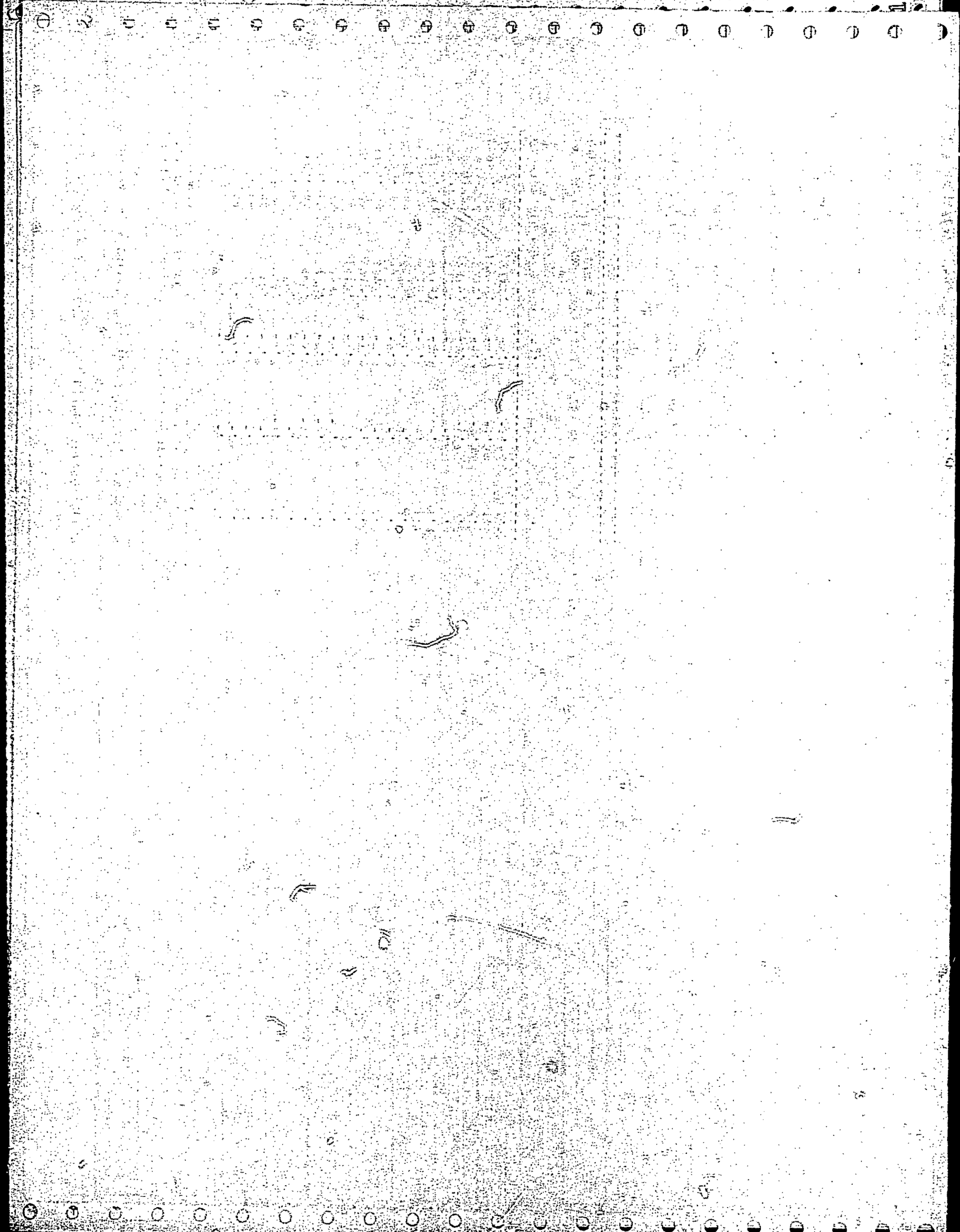

FLOOD INSURANCE ZONE DATA FOR LITTLE BEAVER ISLAND CRK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND- 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 = 035 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%	1%	0.2%
25	3025.	-2.6	-.6	4.1

FHF FOR REACH 1 = 025 WITH 68.% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

56	6776.	-2.2	-.6	2.3

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

105	12705.	-4.7	-1.5	3.5

FHF FOR REACH 3 = 043 WITH 95,* 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

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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
**********************************************

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

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

J2  NPROF     IPLOT    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 1.000
  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK-ELEV
            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

 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
*SECNO 2.000
      2.00     10.11   559.01      0.00     0.00   559.35      .34       .01       .00    557.60
*SECNO 3.000
      3.00     10.13   559.03      0.00     0.00   559.36      .34       .01       .00    557.60
*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
*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
*SECNO 390.000
3265 DIVIDED FLOW
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Pretim FHF Table
-11

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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
**********************************************

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

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
      -10.       5.        -0.       -0.  -0.000000    -0.00     -0.0      -0.    560.800   -0.000

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       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=    .400
*SECNO 1.000
   SECNO     DEPTH     CWSEL     CRWS      WSELK     EG        HV        HL        OLOSS     BANK ELEV
     Q       QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TRA       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

*SECNO 2.000
    2.00     11.91    560.81      0.00      0.00    561.18      .37      .01       .00     557.60

*SECNO 3.000
    3.00     11.92    560.82      0.00      0.00    561.19      .37      .01       .00     557.60

*SECNO 4.000
3265 DIVIDED FLOW

    4.00     11.84    560.74      0.00      0.00    561.26      .52      .01       .06     557.60

*SECNO 385.000
OVERBANK AREA ASSUMED NON-EFFECTIVE;FLLEA=      562.00 ELREA=      562.00

  385.00     11.59    561.79      0.00      0.00    562.73      .94     1.30       .17     558.00

*SECNO 390.000
3265 DIVIDED FLOW

NORMAL BRIDGE;NRD= 5 MIN ELTRD=  567.80 MAX ELLC=  565.20

                  *** US 311 SECTION A-A2 ***

  390.00      9.52    560.22      0.00      0.00    563.84     3.62      .04      1.07     567.80
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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
**********************************************



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

J1  ICHECK    INQ       NINV      IDTR      STRT      METRIC    HVINS     Q          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     IBW       CHNIM     ITRACE

       .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 1.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
     0       WLOB      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     12.80    561.70     0.00    561.70    562.00      .38       0.00      0.00    557.60
*SECNO 2.000
    2.00     12.81    561.71     0.00      0.00    562.09      .38       .01       .00     557.60
*SECNO 3.000
    3.00     12.82    561.72     0.00      0.00    562.10      .38       .01       .00     557.60
*SECNO 4.000
3265 DIVIDED FLOW
    4.00     12.73    561.63     0.00      0.00    562.18      .54       .01       .07     557.60
*SECNO 385.000
3265 DIVIDED FLOW
  385.00     12.54    562.74     0.00      0.00    563.14      .40       .94       .03     550.00
*SECNO 390.000
3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW
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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
**********************************************



T1      FRMS BR MADISON/HAYDAN FIS
T2      500 YR NATURAL
T3      LITTLE BEAVER ISLAND CREEK

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      -10.        4.        -0.        -0.  -0.000000     -0.00      -0.0       -0.   563.600    -0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        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 4

CCHV=     .200 CEHV=     .400
*SECNO 1.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS     BANK ELEV
      Q       QLOB      CCH       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     CURAR     TOPWID      ENDST

     1.00     14.70   563.60      0.00   563.60    564.05      .45       0.00      0.00    557.60

*SECNO 2.000
     2.00     14.71   563.61      0.00     0.00    564.06      .45       .01       .00     557.60

*SECNO 3.000
     3.00     14.72   563.62      0.00     0.00    564.07      .45       .01       .00     557.60

*SECNO 4.000

3265 DIVIDED FLOW

     4.00     14.61   563.51      0.00     0.00    564.16      .65       .01       .08     557.60

*SECNO 385.000

3265 DIVIDED FLOW

   385.00     14.47   564.67      0.00     0.00    565.13      .46       .93       .04     556.00

*SECNO 390.000
3685 20 TRIALS USED WSEL,CWSEL

7155 MIN SPECIFIC ENERGY


3720 ASSUMED CRITICAL DEPTH


3265 DIVIDED FLOW
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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- 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 = 055 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#	1#	0.2#
37	4477.	-2.5	-.6	3.8

FHF FOR REACH 1 = 025 WITH 84.# OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

105	12705.	-4.0	-1.2	3.1

FHF FOR REACH 2 = 040 WITH 77.# OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 6

POSSIBLE ERROR SECNO= 390.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

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

J1  ICHECK    INQ      NINV     IDIR      STRT      METRIC    HVINS     0         WSEL      FQ
          -1.       2.       -0.      -0. -0.000000     -0.00     -0.0      -0.   561.700    -0.000

J2  NPROF     IPLOT    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

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     .060 1000.000     .045  1000.000     .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  557.800  500.000  569.100  545.000  569.200  600.000  569.200  627.000
GR     567.900  649.000  566.400  700.000  565.000  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 1558.100  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     385.000   30.000 1000.000 1435.000  385.000  385.000  385.000   -0.000   -0.000   -0.000
X3      -0.000   -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  558.000  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  558.300 1050.000  557.300 1100.000  557.700 1345.000  557.600 1370.000
GR     553.000 1390.000  553.000 1410.000  561.000 1420.000  560.200 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     .090 1000.000     .040 1040.000     .050 1390.000     .040 1430.000     .050
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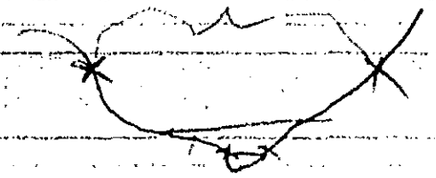
FINAL P/U TABLE

1

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	580.000	-0.000	573.200	500.000	571.000	600.000	569.400	700.000	568.400	800.000
GR	567.300	900.000	567.800	1000.000	568.000	1000.000	554.400	1005.000	552.500	1010.000
GR	551.500	1015.000	552.000	1035.000	553.500	1040.000	567.900	1040.000	568.000	1300.000
GR	568.400	1390.000	553.000	1390.000	553.000	1410.000	551.000	1420.000	550.700	1430.000
GR	569.400	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	1550.000	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	29.000	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	550.000	330.000	570.300	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	1200.000	560.700	1240.000	565.300	1255.000	565.000	1285.000	560.700	1300.000
GR	559.500	1400.000	559.000	1500.000	558.300	1550.000	553.300	1555.000	553.300	1580.000
GR	560.300	1585.000	563.400	1630.000	572.500	1700.000	580.000	1760.000	-0.000	-0.000
OT	7.000	7000.000	7000.000	11400.000	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	29.000	1255.000	1585.000	935.000	935.000	935.000	-0.000	1.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	550.000	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	1200.000	560.700	1240.000	580.000	1255.000	580.000	1285.000	560.700	1300.000
GR	559.500	1400.000	559.000	1500.000	558.300	1550.000	553.300	1555.000	553.300	1580.000
GR	560.300	1585.000	563.400	1630.000	572.500	1700.000	580.000	1760.000	-0.000	-0.000
NH	4.000	.150	500.000	.070	1037.000	.060	1079.000	.150	1317.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	630.000	1130.000
X1	1400.000	22.000	1037.000	1079.000	500.000	500.000	500.000	-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
GR	573.400	400.000	568.300	500.000	564.800	600.000	562.500	700.000	561.100	800.000
GR	561.600	900.000	560.600	970.000	562.500	1037.000	554.700	1047.000	555.900	1053.000
GR	556.400	1072.000	562.700	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
NH	4.000	.150	730.000	.070	1037.000	.060	1079.000	.150	1317.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	740.000	1140.000
X1	3500.000	22.000	1037.000	1079.000	1600.000	1600.000	1600.000	-0.000	3.000	-0.000
GR	594.500	310.000	592.200	300.000	590.100	415.000	583.600	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	740.000	560.800	990.000	562,500	1050.000	554,700	1072.000	555,000	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	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
NG	.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	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	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	175.000	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	602.500	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



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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
**********************************************

T1      FPNS BR MADISON/MAYOUAN FIS
T2      FLOODWAY
T3      LITTLE BEAVER ISLAND CREEK

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    0        WSEL     FQ
      -10.       3.       -0.      -0.  -0.000000   -0.00    -0.0     -0.   562.700   -0.000

J2  NPROF     IPLOT    PRFVS    XSECV    XSECR    FN       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 CEHV=    .400
   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
   0        OLOB     OCH      ORDB     ALOB     ACH      AROB     VOL      TWA      LEFT/RIGHT
   TIME     VLOB     VCH      VRDB     XNL      XNCH     XNR      WTN      ELMIN    SSTA
   SLOPE    XLOBL    XLCH     XLOBR    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
       0.00     4.06     5.62     2.22     .053     .045     .060     0.000   548.90  1000.00
   .001356       -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.    5486.     789.     994.     869.     320.      1.       0.    559.00
       .00     5.56     6.31     2.47     .053     .045     .060     .000   548.90  1000.00
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268 ll
L 268
R 132

FLOODWAY DATA, LITTLE BEAVER ISLAND CRK
PROFILE NO. 2

	STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
(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	60.	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	571.3	570.8	.5
	4500.000	300.	1536.	4.6	573.8	573.0	.8
	5000.000	300.	1523.	4.6	576.3	575.5	.8
	5700.000	300.	1548.	4.5	579.8	578.9	.8
(J)	6400.000	90.	590.	11.9	583.5	582.8	.7
	7300.000	90.	892.	7.8	590.5	590.5	.0
(K)	8900.000	97.	907.	7.7	596.5	596.2	.3
(L)	10900.000	68.	805.	8.7	604.2	603.7	.5
(M)	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

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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
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C     FPMS BR LITTLE BEAVER ISLAND FIS
1     FPMS BP MADISON-MAYODAN FIS
T2    100 YR NATURAL
T3    LITTLE BEAVER ISLAND CRK
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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.700	-0.000

J2	NPROF	IPLOT	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

J3	-1.000	200.000	-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	11600.000	11600.000	18450.000	9500.000	5700.000	11600.000	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	.060	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	649.000	566.400	700.000	565.600	800.000	565.000	900.000	559.100	1000.000
GR	549.200	1016.000	546.900	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	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	36.000	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	553.300	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	558.600	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
ET	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	900.000	567.300	1000.000	558.000	1000.000	554.400	1005.000	552.500	1010.000
GR	551.500	1015.000	552.000	1035.000	553.500	1040.000	567.900	1040.000	565.600	1300.000
GR	568.400	1300.000	553.000	1300.000	553.000	1410.000	551.000	1420.000	551.700	1430.000
GR	568.400	1410.000	569.000	1300.000	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	567.600	568.400	-0.000
GR	500.000	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	1550.000	560.300	1561.000	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	29.000	1265.000	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	1200.000	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	1585.000
GR	560.300	1585.000	563.400	1630.000	572.500	1700.000	580.000	1760.000	-0.000	-0.000
BT	7.000	7000.000	7000.000	11401.000	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	1500.000	29.000	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	1200.000	560.700	1240.000	580.000	1255.000	580.000	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	1585.000
GR	560.300	1585.000	563.400	1630.000	572.500	1700.000	580.000	1760.000	-0.000	-0.000
NH	4.000	.150	500.000	.070	1037.000	.060	1079.000	.150	1317.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	650.000	1150.000
X1	1900.000	22.000	1037.000	1079.000	500.000	500.000	500.000	-0.000	-0.000	-0.000
GR	594.500	-0.000	592.700	500.000	590.100	151.000	583.600	200.000	578.000	300.000
GR	573.400	470.000	568.300	520.000	564.600	600.000	562.500	700.000	551.000	800.000
GR	561.500	900.000	560.500	970.000	562.500	1037.000	556.700	1047.000	555.500	1050.000
GR	556.400	1072.000	562.900	1079.000	562.400	1100.000	560.500	1200.000	550.700	1247.000
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	1079.000	.150	1317.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	750.000	1250.000
X1	3500.000	22.000	1037.000	1079.000	1660.000	1660.000	1600.000	-0.000	3.000	-0.000

GR	594.500	310.000	592.200	380.000	590.100	415.000	583.600	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	1310.000	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	850.000	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	285.000	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	150.000	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	107.000	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	65.000	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

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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
*********************************************

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

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
     -10.      3.        -0.       -0.    -0.000000   -0.00     -0.0      -0.     562.700   -0.000

J2  NPROF     IPLOT     PREVS     XSECV     XSECH     FN        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 CEHV=     .400
1490 NH CARD USED
*SECNO 1.000
    SECNO     DEPTH     CWSEL     CRIWS     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

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
     0.00      4.06      5.62      2.22      .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      .053      .045      .060      .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.     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

*SECNO 4.000

3265 DIVIDED FLOW
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FLOODWAY DATA. LITTLE BEAVER ISLAND CRK
PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION 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
385.000	186.	1523.	7.8	563.4	562.7	.6
390.000	80.	728.	15.2	561.5	561.2	.4
410.000	600.	1330.	8.8	570.1	569.4	.8
415.000	600.	7678.	1.5	571.6	570.8	.8
465.000	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.	892.	7.8	597.3	596.5	.9
8900.000	97.	907.	7.7	596.5	596.2	.3
10900.000	68.	895.	8.7	604.2	603.7	.5
12750.000	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