LITTLE CREEK

```
T1 NORTH CAROLINA FLOOD STUDIES,
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 10-YEAR FLOOD.
J1       2.                     .005                         3.5
J2
J3150.   200.     201.
J6       1

NC     .2       .2       .09      .1       .3
QT5.     153.     326.     435.     799.     435.
X11.     18.      431.     450.
GR17.1            16.7     50.      15.5     150.     15.3     250.     15.8     283.
GR4.4    326.     2.7      350.     2.9      431.     .3       435.     .1       436.
GR.4     440.     .3       448.     2.4      450.     4.9      478.     13.1     550.
GR15.5   650.     14.8     750.     15.      850.

X12.1                               [illegible] [illegible] [illegible]           5.8

NC     .15      .15      .47      .3       .5
X12.2    14.      396.5    403.5    400.     400.     400.              .2
X310.                                                          13.2     12.2
GR20.             18.9     100.     18.      200.     16.8     300.     11.2      350.
GR8.3    392.5    6.       396.5    6.       403.5    6.3      407.8    11.2     450.
GR17.1   500.     17.8     600.     18.2     700.     18.4     800.

SB1.     3.1      2.8               6.       1.       25.34    .14      6.       5.8
X12.3                               75.      75.      75.               .2
X2                1.       10.4     16.
X310.                                                          16.          16.
BT8.              20.               300.     16.8              390.     16.
BT410.   16.               500.     17.1              600.     17.8              700.
BT18.2            590.     18.4

X12.4    17.      384.     400.     50.      50.      53.
GR21.5            24.      100.     23.      200.     17.7     300.     11.6     362.
GR9.6    384.     6.5      390.     6.7      395.     6.8      399.     5.9      400.
GR10.4   419.     17.5     590.     19.2     516.     21.      610.     20.2     650.
GR21.6   700.     22.4     800.

NC                         .07      .1 [illegible] .3 [illegible] [illegible]  600  500  440
X13.                                [illegible] [illegible] [illegible]

X14.1                               [illegible] 200. [illegible] [illegible]      2.5
                                    200'     500'

NC                         .07      .3       .5
X14.2    10.      397.25   402.75   100.     100.     100.
X310.                                                          17.5     17.5
X4       3    18.8     300     14.4     392     18.2     430
GR21.3            21.2     110.     20.6     200.     19.6     300.     19.45    397.25
GR 11.4402.75     18.2     500.     18.8     600.     19.      700.     19.3     800.

SB       1        2.31     2.8              3.5              23.75    .1486    10.1     10.1
X14.3
X2                         1        16.9    18
X3       10                                                     18.0     18
BT       8                 21.3             100     21.2       300      19.6
BT     400       18               500      19.0              600      18.7              700
BT     19                  800     19.3

X14.4           17        384      400 61. 515 51.                   .5
GR21.5            24.      100.     23.      200.     17.7     300.     11.6     362.
GR9.6    384.     6.5      390.     6.7      395.     6.8      399.     5.9      400.
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NEEDS KEYPUNCH CORRECTIONS

OK

9/29/81

2

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NC                .07      .1       .3
X1    5.1      14   392.8   406.2    1100     1800     1400
GR23.3           23.5     100.     23.6     200.     22.8     300.     21.7     390.1
GR19.7  392.8    17.5     397.2    17.5     402.7    17.5     403.1    21.3     408.2
GR22.2  500.     22.2     600.     21.9     700.     22.5     800.

NC                .07      .3       .5
X1    5.2      14   397.2   402.7     100      100      100
X310.                                                  20.8     20.8
X4      2    19.7     397      20   407.2
GR23.3           23.5     100.     23.6     200.     22.8     300.     21.7     390.1
GR19.7  392.8    17.5     397.2    17.5     402.7    17.5     403.1    21.3     408.2
GR22.2  500.     22.2     600.     21.9     700.     22.5     800.

SB      1   2.270     2.8              3.5       1    13.7    .26      16.8     16.8
X15.3                              65.      65.      65.              .2
X2                1.       20.7     21.4
X310.                                                  21.4          21.4
BT18.            23.3     23.3     100.     23.5     23.5     200.     23.6     23.6
BT300.  22.8     22.8     390.1    21.7     21.7     397.2    21.4     17.5     397.6
BT21.4  18.9     398.6    21.4     18.9     400.     21.4     20.3     401.4    21.4
BT19.9  402.4    21.4     18.9     402.8    21.4     17.5     403.1    21.4     17.5
BT408.2 21.4     21.4     500.     22.2     22.2     600.     22.2     22.2     700.
BT21.9  21.9     800.     22.5     22.5

X15.4                              50.      50.      50.              .2
EJ

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 50-YEAR FLOOD.
J1       3.                        .005                              3.5
J22.

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 100-YEAR FLOOD.
J1       4.                        .005                              3.5
J23.

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 500-YEAR FLOOD.
J1       5.                        .005                              3.5
J215.
  ** BLANK CARD **
  ** BLANK CARD **
  ** BLANK CARD **
ER
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Looks OK

THIS RUN EXECUTED 28 DEC 81 09.52.20

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 10-YEAR FLOOD.

J1  ICHECK     INQ        NINV       IDIR       STRT       METRIC     HVINS      Q          WSEL       FQ
        0.         2.         0.         0.      .003000       0.         0.         0.      3.500      0.

J2  NPROF      IPLOT      PRFVS      XSECV      XSECH      FN         ALLDC      IBW        CHNIM      ITRACE
        0.         0.      1.000         1.         1.         0.      1.000         0.         0.         0.

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

      150.00     200.00     210.00         0.         0.         0.         0.         0.         0.         0.

J6  IPLOT      JCOPY

        1.000      0.         0.         0.         0.         0.         0.         0.         0.         0.

NC       .210       .200       .050       .100       .300         0.         0.         0.         0.         0.
QT      5.000    153.000    326.000    435.000    749.000    435.000         0.         0.         0.         0.
ET         0.         0.         0.         0.         0.      5.400         0.         0.         0.         0.

X1      1.000     18.000    431.000    450.000         0.         0.         0.         0.         0.         0.
GR     17.100         0.     16.700     50.000     15.500     15.000     15.300     25.000     15.800     23.100
GR      4.400    526.000      2.700    550.000      2.900    431.000       .300    435.000       .100    436.000
GR       .400    440.000       .300    448.000      2.400    450.000      4.900    478.000     13.100    550.000
GR     15.500     65.000     14.800     75.000     15.000     50.000         0.         0.         0.         0.
NC       .150       .15        .050       .100       .300         0.         0.         0.         0.         0.

X1      2.100     14.000    392.500    407.000   1300.000     80.000   1105.000         0.         0.         0.
GR     20.000         0.     18.900    100.000     16.000     20.000     16.800    350.000     11.200     45.000
GR      8.300    392.500      6.000    396.500      6.000    403.500      6.300    407.000     11.200    450.000
GR     17.100    500.000     17.800    600.000     18.200    700.000     18.400    800.000         0.         0.
NC       .150       .150       .050       .300       .500         0.         0.         0.         0.         0.

X1      2.200     14.000    396.500    403.500    130.300    103.000      1.000         0.         0.         0.
X3      1.100         0.         0.         0.         0.         0.         0.     15.200     15.200         0.
X4      1.000      6.000    397.000         0.         0.         0.         0.         0.         0.         0.
GR     20.000         0.     18.900    100.000     18.000    200.000     16.800    350.000     11.200    350.000
GR      8.300    392.500      0.300    396.500      6.000    403.000      8.300    407.500     11.200    450.000
GR     17.100    500.000     17.800    600.000     18.200    700.000     18.400    800.000         0.         0.
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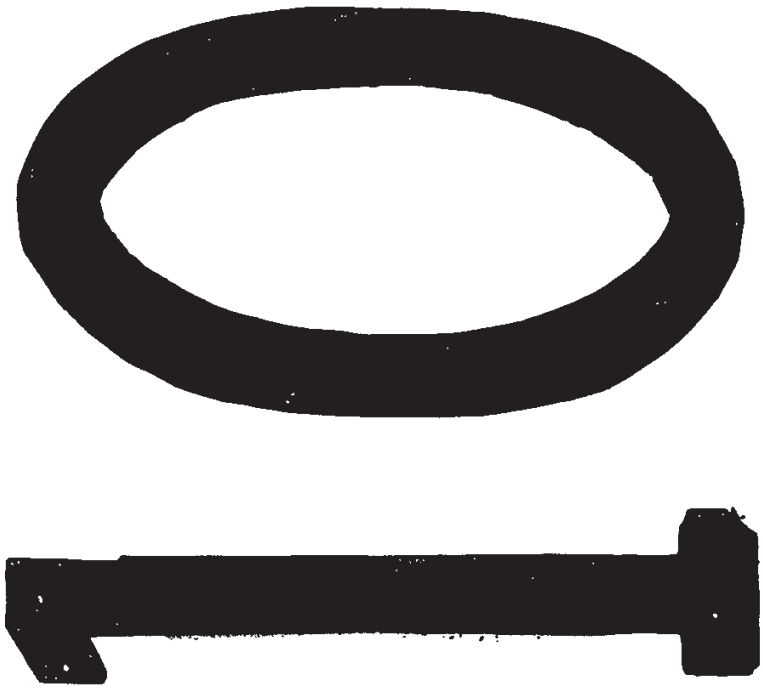
SB	1.000	3.19	2.800	-0.	6.000	1.000	25.341	.14	6.1	5.80
X1	2.300	-0.	-0.	-0.	75.000	75.000	75.000	-0.	.200	-0.
X2	-0.	-0.	1.000	10.400	16.000	-0.	-0.	-0.	-0.	-0.
X3	19.000	-0.	-0.	-0.	-0.	-0.	-0.	16.000	16.1	-0.
BT	8.500	-0.	20.000	-0.	300.000	16.800	-0.	390.000	16.1	-0.
BT	414.000	16.000	-0.	500.000	17.100	-0.	600.000	17.800	-0.	700.100
BT	16.200	-0.	800.000	18.400	-0.	-0.	-0.	-0.	-0.	-0.
X1	2.400	17.000	384.000	400.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	21.500	-0.	24.000	100.000	23.000	200.000	17.700	300.000	11.600	362.000
GR	9.600	384.000	6.500	390.000	6.700	395.000	6.800	399.000	9.900	430.000
GR	10.400	419.000	17.500	500.000	19.200	516.000	21.000	600.000	20.200	650.000
GR	21.600	700.000	22.400	600.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-.05	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	3.1	-0.	-0.	-0.	600.000	500.0	440.000	-0.	-0.	-0.
X1	4.1	-0.	-0.	-0.	200.000	500.0	451.000	-0.	3.5	-0.
NC	-0.	-0.	.050	.350	.500	-0.	-0.	-0.	-0.	-0.
X1	4.200	10.0	397.250	402.75	100.000	100.000	100.000	-0.	-0.	-0.
X3	11.	-0.	-0.	-0.	-0.	-0.	-0.	17.5	17.5	-0.
X4	5.	18.60	36	14.4	352.	11.4	397.50	11.4	4	1
X4	43.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	21.3	-0.	21.2	10	2	2	19.65	3	17.	39
GR	17.	402.75	18.2	5	18.6	6	19.	7	19.	
SB	1.	2.31	2.8	-.	3.5	1.	23.75	.14	1 .1	1
X1	4.3	-0.	-0.	-0.	63.	63.	63.	-0.	-0.	-0.
X2	-.	-0.	1.	16.9	16.	-0.	-0.	-0.	-0.	-0.
X3	1.	-0.	-0.	-0.	-0.	-0.	-0.	16.	16.	-0.
BT	8.	-0.	21.3	-0.	1.	21.2	-0.	3	19.	-0.
BT	4	18.	-0.	5	18.2	-0.	6	18.8	-0.	7
BT	19.	-0.	8	19.3	-0.	-0.	-0.	-0.	-0.	-0.
X1	4.4	13.	384.	4	50.	50.	50.	-0.	-0.	-0.
GR	21.5	-0.	21.2	1	20.	21.	19.	3	14.	384.
GR	11.9	59	11.4	395.	11.9	398.	14.	4	18.	
GR	18.8	6	19.	7	19.2	8	-0.	-0.	-0.	-0.
NC	-0.	-0.	-.0	-.1	-.5	-0.	-0.	-0.	-0.	-0.
BT	5.	165.	535.	44	77	44.	-0.	-0.	-0.	-0.

X1	5.1[illegible]	14.000	390.10[illegible]	408.200	1100.000	1800.000	147[illegible].000	-0.	-.700	-0.
GR	23.300	-0.	23.50[illegible]	100.000	23.600	200[illegible].000	22.80[illegible]	3[illegible].000	21.70[illegible]	395.100
GR	19.700	392.800	14.800	397.200	14.800	412.700	17.500	403.100	21.30[illegible]	408.200
GR	22.200	500.000	22.200	600.000	21.900	700.000	22.500	80[illegible].000	-0.	-[illegible].
NC	-0.	-0.	.050	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	5.2[illegible]	15.0[illegible]	2147.2[illegible]	2152.700	100.100	110.000	100.000[illegible]	-0.	-0.	-0.
X3	1[illegible].000	-0.	-0.	-0.	-0.	-0.	-0.	20.800	20.80[illegible]	-0.
X4	2.000	23.30	1750.000	17.50[illegible]	2146.000[illegible]	-0.	-0.	-0.	-0.	-0.
GR	25.000	-0.	23.600	1850.000	23.600	1950.000[illegible]	22.800	2050.[illegible]00	21.700	2100.[illegible]00
GR	19.700	2120.000	19.700	2147.200	17.500	2152.000	19.700[illegible]	2152.700	21.300	2170.[illegible]00
GR	22.200	2250.000	22.200	2350.000	21.900	2450.000	22.500	2550.[illegible]00.	25.000	3800.[illegible]00
SB	1.[illegible]	2.270	3.2[illegible]	-[illegible].	5.530	1.000	13.700	-0.	17.200	17.200
X1	5.3[illegible]	-0.	-0.	-0.	65.000	65.000	65.000	-0.	-0.	-0.
X2	-[illegible].	-0.	1.000	20.300	22.000	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	22.000	22.000	-0.
BT	9.[illegible]00	-0.	25.000	-0.	1750.000	23.300	-0.	1950.000	23.600	-0.
BT	2[illegible].000	22.000	-0.	2150.000	22.000	-0.	2250.000	22.200	-0.	2450.000
BT	12.[illegible]	-0.	2[illegible].0[illegible]	22.500	-0.	2[illegible].000	25.0[illegible]	-0.	-0.	-0.
X1	5.4	-0.	-0.	-0.	50.000	50.000	50.000	-0.	.200	-0.
EJ	-[illegible].	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.



THIS RUN EXECUTED 28 DEC 81 09.52.21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 50-YEAR FLOOD.

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -0.       3.        -0.       -0.   .005000      -0.       -0.       -0.    3.500      -0.

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     2.000      -0.    -1.000       -0.       -0.       -0.    -1.000       -0.       -0.       -0.
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THIS RUN EXECUTED 28 DEC 81 09.52.21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01.02.03.04
  MODIFICATION -  50.51.52.53.54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 100-YEAR FLOOD.

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -0.       4.        -0.       -0.   .005000      -0.       -0.       -0.    3.500     -0.
J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     3.000     -0.       -1.000    -0.       -0.       -0.       -1.000    -0.       -0.       -0.
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THIS RUN EXECUTED 28 DEC 81 09.52.21

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 500-YEAR FLOOD.

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -0.        5.        -0.       -0.    .005000      -0.       -0.       -0.    3.500     -0.
J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLOC     IBW       CHNIM     ITRACE
    15.000     -0.       -1.000     -0.       -0.       -0.      -1.000     -0.       -0.       -0.
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THIS RUN EXECUTED 28 DEC 81 09.52.21

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HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
ERROR CORR - 01.02.03.04
MODIFICATION - 50.51.52.53.54
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

AR FLOOD.

SUMMARY PRINTOUT TABLE 150

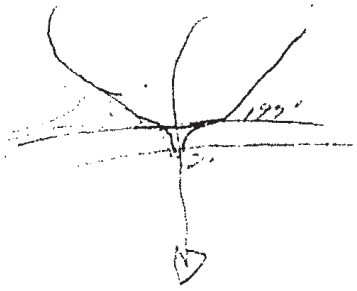
	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	1VK*S	VCH	AREA	*01K
	1.060	-0.	0.	0.	-.10	153.00	3.25	1.81	3.37	30.52	2.91	91.47	27.70
	1.060	-0.	0.	0.	-.10	326.00	3.90	3.04	4.14	49.95	4.33	173.71	46.13
	1.060	-0.	0.	0.	-.10	435.00	4.34	3.42	4.60	49.94	4.71	234.04	61.56
	1.060	-0.	0.	0.	-.10	799.00	5.44	4.26	5.75	50.81	5.61	402.82	112.99
	2.100	1105.00	0.	0.	6.00	153.00	8.54	7.70	8.76	67.60	4.01	55.27	18.60
	2.100	1105.00	0.	0.	6.00	326.00	9.76	8.58	10.07	57.89	4.99	119.38	42.85
	2.100	1105.00	0.	0.	6.00	435.00	10.26	9.04	10.63	59.32	5.54	155.96	56.48
	2.100	1105.00	0.	0.	6.00	799.00	11.50	10.23	12.00	62.05	6.81	279.34	101.43
	2.200	100.00	0.	0.	5.80	153.00	9.46	8.50	10.10	156.72	6.44	23.74	12.14
	2.200	100.00	0.	0.	5.80	326.00	10.69	10.12	12.27	255.39	10.06	32.41	20.40
	2.200	100.00	0.	0.	5.80	435.00	11.21	10.97	13.47	318.03	12.07	36.35	24.36
*	2.200	100.00	0.	0.	5.80	799.00	13.20	13.20	13.36	38.56	5.22	437.49	128.67
*	2.300	75.00	16.30	10.40	6.00	153.00	9.86	0.	11.21	57.14	4.74	32.26	20.24
*	2.300	75.00	16.30	10.40	6.00	326.00	16.48	0.	16.48	.86	1.09	946.11	346.61
*	2.300	75.00	16.30	10.40	6.00	435.00	16.82	0.	16.83	1.32	1.25	1913.33	378.71
*	2.300	75.00	16.30	10.40	6.00	799.00	17.37	0.	17.39	3.34	2.08	1144.15	437.37
	2.400	50.00	0.	0.	6.50	153.00	11.32	8.53	11.38	10.43	2.17	127.69	47.38
	2.400	50.00	0.	0.	6.50	326.00	16.48	9.61	16.49	1.05	1.19	728.19	318.49
	2.400	50.00	0.	0.	6.50	435.00	16.82	10.24	16.84	1.56	1.49	789.77	346.30
	2.400	50.00	0.	0.	6.50	799.00	17.38	11.76	17.43	3.99	2.47	894.92	408.17
	3.000	440.00	0.	0.	6.50	153.00	11.71	8.53	11.76	6.99	1.69	135.11	57.06
	3.000	440.00	0.	0.	6.50	326.00	16.53	9.61	16.54	1.10	1.18	736.93	322.69
	3.000	440.00	0.	0.	6.50	435.00	16.90	10.24	16.91	1.52	1.47	903.34	394.92
	3.000	440.00	0.	0.	6.50	799.00	17.57	11.78	17.61	3.63	2.39	932.00	419.15
	4.100	451.00	0.	0.	10.00	153.00	13.22	12.03	13.46	66.44	3.93	39.00	18.77
	4.100	451.00	0.	0.	10.00	326.00	16.69	13.11	16.76	8.66	2.54	266.26	110.77
	4.100	451.00	0.	0.	10.00	435.00	17.11	13.74	17.21	11.23	3.03	311.76	129.82
	4.100	451.00	0.	0.	10.00	799.00	17.96	15.25	18.17	28.77	4.49	417.32	175.30

	SECNO	XLCH	ELTRO	ELLC	ELMIN	Q	CRSEL	CRIVS	EG	10**S	VCH	AREA	.01K
	4.200	100.00	0.	0.	11.40	153.00	15.29	14.62	16.31	425.05	6.13	18.81	7.42
	4.20[illegible]	100.00	0.	0.	11.40	326.00	17.63	17.50	18.19	228.36	7.13	63.81	21.57
	4.20[illegible]	100.00	0.	0.	11.40	435.00	18.13	17.58	18.75	245.72	7.82	112.28	27.75
	4.20[illegible]	100.00	0.	0.	11.40	799.00	19.06	18.99	19.51	222.89	6.16	336.77	53.52
*	4.300	63.00	18.00	16.90	11.40	153.00	16.32	0.	16.94	222.55	6.29	24.33	10.26
*	4.320	63.00	18.00	16.90	11.40	326.00	18.51	0.	18.72	86.55	4.07	166.76	35.04
*	4.300	63.00	18.00	16.90	11.40	435.00	18.56	0.	18.91	144.94	6.28	177.13	36.13
*	4.300	63.00	18.00	16.90	11.40	799.00	19.19	0.	19.51	169.63	7.21	366.12	61.35
	4.400	50.00	0.	0.	11.40	153.00	17.13	13.78	17.16	4.29	1.59	216.79	73.85
	4.400	50.00	0.	0.	11.40	326.00	18.78	14.83	18.81	4.24	1.89	514.28	162.23
	4.400	50.00	0.	0.	11.40	435.00	19.00	15.51	19.05	5.81	2.32	589.11	185.40
	4.400	50.00	0.	0.	11.40	799.00	19.60	16.82	19.69	13.67	3.33	877.11	244.62
	5.100	1470.00	0.	0.	14.10	165.00	19.73	16.87	19.88	32.16	3.12	52.84	29.10
	5.100	1470.00	0.	0.	14.10	335.00	21.46	18.36	21.68	33.56	3.86	145.74	57.83
	5.100	1470.00	0.	0.	14.10	440.00	21.83	19.04	22.04	33.43	4.04	304.98	76.56
	5.100	1470.00	0.	0.	14.10	775.00	22.59	21.90	22.74	28.42	4.12	694.96	145.38
*	5.200	100.00	0.	0.	17.50	165.00	20.93	20.93	21.26	160.97	5.96	66.32	13.00
	5.200	100.00	0.	0.	17.50	335.00	22.19	21.40	22.32	95.41	5.67	185.77	34.30
	5.200	100.00	0.	0.	17.50	440.00	22.45	21.78	22.61	78.57	5.43	328.33	49.64
	5.200	100.00	0.	0.	17.50	775.00	23.09	22.56	23.18	55.35	4.95	738.61	104.45
*	5.300	65.00	22.00	21.30	17.50	165.00	22.23	0.	22.27	18.09	2.52	228.19	38.79
*	5.300	65.00	22.00	21.30	17.50	335.00	22.37	0.	22.49	54.87	4.45	292.95	45.56
*	5.300	65.00	22.00	21.30	17.50	440.00	22.45	0.	22.61	76.75	5.37	332.89	50.22
	5.300	65.00	22.00	21.30	17.50	775.00	23.19	0.	23.18	54.94	4.95	739.37	104.56
	5.400	50.00	0.	0.	17.70	165.00	22.32	20.91	22.37	22.13	2.74	192.54	35.08
	5.400	50.00	0.	0.	17.70	335.00	22.65	21.63	22.74	45.71	4.14	327.27	49.55
	5.400	50.00	0.	0.	17.70	440.00	22.84	21.92	22.93	59.06	4.45	427.55	62.19
	5.400	50.00	0.	0.	17.70	775.00	23.36	22.69	23.43	46.54	4.60	813.14	113.60

AR FLOOD.

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1.0[illegible]	153.00	3.25	0.	0.	-.25	117.22	-0.
	1.0[illegible]	326.00	3.90	.66	0.	.49	133.81	-0.
	1.0[illegible]	435.00	4.34	.43	0.	.84	144.77	-0.
	1.0[illegible]	799.00	5.44	1.10	0.	1.94	160.62	-0.
	2.1[illegible]	153.00	8.54	0.	5.29	0.	37.86	1105.00
	2.1[illegible]	326.00	9.76	1.22	5.85	0.	66.44	1105.00
	2.1[illegible]	435.00	10.26	.51	5.93	0.	78.23	1105.00
	2.1[illegible]	799.00	11.50	1.24	6.07	0.	105.26	1105.00
	2.2[illegible]	153.00	9.46	0.	.92	0.	7.00	100.00
	2.2[illegible]	326.00	10.69	1.24	.94	0.	7.00	100.00
	2.2[illegible]	435.00	11.21	.51	.95	0.	7.00	100.00
*	2.2[illegible]	799.00	13.20	1.99	1.72	0.	138.30	100.00
*	2.3[illegible]	153.00	10.86	0.	1.41	0.	7.00	75.00
*	2.3[illegible]	326.00	16.48	5.61	5.78	0.	191.91	75.00
*	2.3[illegible]	435.00	16.82	.34	5.61	0.	199.86	75.00
*	2.3[illegible]	799.00	17.37	.55	4.17	0.	288.95	75.00
	2.4[illegible]	153.00	11.32	0.	.46	0.	64.58	50.00
	2.4[illegible]	326.00	16.48	5.16	.61	0.	175.92	50.00
	2.4[illegible]	435.00	16.82	.34	.68	0.	183.52	50.00
	2.4[illegible]	799.00	17.38	.56	.81	0.	195.30	50.00
	3.0[illegible]	153.00	11.71	0.	.41	0.	73.16	440.00
	3.0[illegible]	326.00	16.53	4.81	.65	0.	176.99	440.00
	3.0[illegible]	435.00	16.91	.37	.68	0.	184.91	440.00
	3.0[illegible]	799.00	17.57	.67	.19	0.	199.22	440.00
	4.1	153.00	13.72	0.	1.51	0.	37.29	451.00
	4.1	326.00	16.69	3.47	.16	0.	174.97	451.00
	4.1	435.00	17.11	.42	.21	0.	113.93	451.00
	4.1[illegible]	799.00	17.96	.85	.43	0.	132.42	451.00
	4.2[illegible]	153.00	15.29	0.	2.56	0.	5.19	100.00
	4.2[illegible]	326.00	17.67	2.34	.94	0.	48.43	100.00
	4.2	435.00	18.13	.51	1.03	0.	63.64	100.00
	4.2[illegible]	799.00	19.[illegible]	.92	1.[illegible]	0.	375.12	100.00
*	4.3[illegible]	153.00	16.36	0.	1.34	0.	5.38	63.00
*	4.3[illegible]	326.00	18.51	2.19	.88	0.	191.12	63.00
*	4.3[illegible]	435.00	18.56	.05	.43	0.	199.69	63.00
*	4.3[illegible]	799.00	19.19	.63	.17	0.	434.96	63.00



SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4.400	153.00	17.13	0.	.80	0.	128.52	50.00
4.400	326.00	18.78	1.66	.27	0.	283.02	50.00
4.400	435.00	19.00	.22	.44	0.	392.14	50.00
4.400	799.00	19.60	.60	.42	0.	590.54	50.00
5.100	165.00	19.73	0.	2.61	0.	15.23	1470.00
5.100	335.00	21.46	1.72	2.68	0.	271.62	1470.00
5.100	440.00	21.83	.37	2.83	0.	478.22	1470.00
5.100	775.00	22.59	.76	2.99	0.	561.23	1470.00
5.200	165.00	20.93	0.	1.19	0.	58.26	100.00
5.200	335.00	22.10	1.18	.65	0.	257.02	100.00
5.200	440.00	22.45	.35	.62	0.	475.73	100.00
5.200	775.00	23.09	.64	.50	0.	832.16	100.00
5.300	165.00	22.23	0.	1.30	0.	428.88	65.00
5.300	335.00	22.37	.14	.27	0.	459.82	65.00
5.300	440.00	2.45	.08	.00	0.	477.89	65.00
5.300	775.00	23.09	.64	.00	0.	832.74	65.00
5.400	165.00	22.32	0.	.10	0.	273.24	50.00
5.400	335.00	22.65	.32	.27	0.	475.39	50.00
5.400	440.00	22.84	.19	.38	0.	564.14	50.00
5.400	775.00	23.36	.53	.27	0.	879.29	50.00

FLOODWAY DATA. AR FLOOD.
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	134.	174.	1.9	3.9	3.2	.7
2.100	66.	119.	2.7	9.7	8.5	1.2
2.200	7.	32.	10.1	10.7	9.5	1.2
2.300	192.	946.	.3	16.5	10.9	5.6
2.400	176.	728.	.4	16.5	11.3	5.2
3.000	177.	737.	.4	16.5	11.7	4.8
4.100	165.	266.	1.2	16.7	13.2	3.5
4.200	48.	84.	3.9	17.6	15.3	2.3
4.300	191.	169.	1.9	18.5	16.3	2.2
4.400	283.	514.	.6	18.8	17.1	1.7
5.100	390.	145.	2.3	21.4	19.7	1.7
5.200	401.	186.	1.8	22.1	20.9	1.2
5.300	460.	293.	1.1	22.3	22.2	.1
5.400	475.	327.	1.0	22.6	22.3	.3

FLOODWAY DATA. AR FLOOD.
PROFILE NO. 3

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	145.	234.	1.9	4.3	3.2	1.1
2.100	78.	156.	2.8	10.2	8.5	1.7
2.200	7.	36.	12.1	11.3	9.5	1.8
2.300	200.	1013.	.4	16.9	10.9	6.0
2.400	183.	790.	.6	16.8	11.3	5.5
3.000	185.	803.	.5	16.9	11.7	5.2
4.100	114.	312.	1.4	17.1	13.2	3.9
4.200	64.	112.	3.9	18.1	15.3	2.8
4.300	199.	177.	2.5	18.5	16.3	2.2
4.400	392.	589.	.7	19.0	17.1	1.9
5.100	478.	305.	1.4	21.8	19.7	2.1
5.200	476.	328.	1.3	22.4	20.9	1.5
5.300	478.	333.	1.3	22.4	22.2	.2
5.400	564.	427.	1.0	22.8	22.3	.5

FLOODWAY DATA. AR FLOOD.
PROFILE NO. 4

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	161.	403.	2.6	5.4	3.2	2.2
2.100	185.	270.	3.0	11.5	8.5	3.0
2.200	138.	437.	1.8	13.2	9.5	3.7
2.300	269.	1144.	.7	17.4	10.9	6.5
2.400	195.	895.	.9	17.4	11.3	6.1
3.000	199.	932.	.9	17.6	11.7	5.9
4.100	132.	417.	1.9	17.9	13.2	4.7
4.200	375.	307.	2.6	19.1	15.3	3.8
4.300	435.	366.	2.2	19.2	16.3	2.9
4.400	561.	877.	.9	19.6	17.1	2.5
5.100	561.	695.	1.1	22.6	19.7	2.9
5.200	852.	739.	1.0	23.1	20.9	2.2
5.300	833.	739.	1.0	23.1	22.2	.9
5.400	879.	803.	1.0	23.3	22.3	1.0

O.K.

THIS RUN EXECUTED 30 DEC 81 11.02.32

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*  HEC2 RELEASE DATED NOV 76 UPDATED APR1 1980   *
*  ERROR CORR -  01,02,03,04                     *
*  MODIFICATION -  50,51,52,53,54                *
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T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3 100-YEAR FLOOD.

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        -0.       4.        -0.       -0. -0.           -0.       -0.       -0.     4.340     -0.

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLOC     IBW       CHNIM     ITRACE
      1.000     -0.       -1.000    -0.       -0.       -0.       -1.000    -0.       -0.       -0.

J3  VARIABLE CODES FOR SUMMARY PRINTOUT
      200.000   110.000   -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.

J5  LPRNT     NUMSEC                    ********REQUESTED SECTION NUMBERS********
     -1.000     -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.
J6  IHLEG     ICOPY
      1.000     -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.

NC      .280      .280      .150      .100      .300      -0.       -0.       -0.       -0.       -0.
QT     5.000   153.000   320.000   435.000   790.000   435.000     -0.       -0.       -0.       -0.
ET      -0.       -0.       -0.       -0.       -0.     10.400      -0.       -0.       -0.       -0.

X1     1.200    18.000   431.000   450.000     -0.       -0.       -0.       -0.       -0.       -0.
GR    17.100     -0.      16.700    50.000    15.500   150.000    15.300   250.000    15.800   283.000
GR     4.400   326.000     2.700   350.000     2.900   431.000      .300   435.000     -.100   436.000
GR      .400   440.000      .300   448.000     2.400   450.000     4.900   476.000    13.100   550.000
GR    15.500   650.000    14.800   750.000    15.000   850.000     -0.       -0.       -0.       -0.
NC      .100      .150      .050      .100      .300      -0.       -0.       -0.       -0.       -0.
ET      -0.       -0.       -0.       -0.       -0.      4.400      -0.       -0.       -0.       -0.

X1     2.100    14.000   392.500   407.800  1300.000   800.000  1105.000     -0.       -0.       -0.
GR    20.000     -0.      18.900   100.000    18.000   200.000    16.800   300.000    11.200   350.000
GR     6.300   392.500     6.000   396.500     6.000   403.500     8.300   407.800    11.200   450.000
GR    17.100   500.000    17.800   600.000    16.200   700.000    18.400   800.000     -0.       -0.
NC      .150      .150      .050      .300      .500      -0.       -0.       -0.       -0.       -0.
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X1	2.200	14.000	396.500	403.500	100.000	100.000	100.000	-0.	-.200	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	13.200	13.200	-0.
X4	1.000	6.000	397.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	20.300	-0.	18.900	100.000	18.000	200.000	16.800	300.000	11.200	350.000
GR	8.300	392.500	6.500	396.500	6.000	403.700	8.300	403.500	11.200	450.000
GR	17.100	500.000	17.800	600.000	18.200	700.000	18.400	800.000	-0.	-0.
SB	1.000	3.100	2.800	-0.	6.000	1.000	25.340	.140	6.000	5.800
X1	2.300	-0.	-0.	-0.	75.000	75.000	75.000	-0.	.270	-0.
X2	-0.	-0.	1.000	10.400	16.000	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	16.000	16.000	-0.
BT	8.010	-0.	20.000	-0.	300.000	16.800	-0.	390.000	16.800	-0.
BT	410.000	16.000	-0.	500.000	17.100	-0.	600.000	17.600	-0.	700.000
BT	18.200	-0.	800.000	19.400	-0.	-0.	-0.	-0.	-0.	-0.
X1	2.400	17.000	384.000	400.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	21.500	-0.	24.000	100.000	23.000	200.000	17.700	300.000	11.600	362.000
GR	9.600	384.000	6.500	393.000	6.700	395.000	6.800	399.000	9.900	400.000
GR	19.400	419.000	17.500	500.500	19.200	516.000	21.000	600.000	20.200	650.000
GR	21.600	700.000	22.400	800.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.050	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	3.100	-0.	-0.	-0.	400.000	500.000	440.000	-0.	-0.	-0.
BT	-0.	-0.	-0.	-0.	-0.	8.400	-0.	-0.	-0.	-0.
X1	4.100	-0.	-0.	-0.	200.000	500.000	451.000	-0.	3.500	-0.
NC	-0.	-0.	.050	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	4.200	10.000	397.250	402.750	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.	-0.	-0.	-0.	-0.	-0.	-0.	17.500	17.500	-0.
X4	5.	10.000	367.000	14.400	392.000	11.400	397.500	11.400	402.000	10.200
X4	45.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	21.300	-0.	21.200	101.000	22.600	200.000	19.600	300.000	17.000	397.250
GR	17.	402.750	18.250	500.500	18.000	600.000	19.500	700.000	19.300	800.000
SB	1.	2.310	2.800	-0.	3.500	1.000	22.750	.140	10.100	10.100
X1	4.3	-0.	-0.	-0.	63.000	63.000	63.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	16.900	16.000	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	18.000	18.000	-0.
BT	8.000	-0.	21.300	-0.	100.000	21.200	-0.	300.000	19.600	-0.
BT	400.000	18.000	-0.	500.000	18.200	-0.	600.000	18.600	-0.	700.000
BT	19.000	-0.	800.000	19.300	-0.	-0.	-0.	-0.	-0.	-0.

X1	4.400	13.000	384.000	400.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	21.500	-0.	21.200	100.000	20.600	200.000	19.600	300.000	14.600	384.000
GR	11.900	390.000	11.400	395.000	11.900	398.300	14.600	400.000	18.200	500.000
GR	18.800	600.000	19.000	700.000	19.200	800.000	-0.	-0.	-0.	-0.
NC	-0.	-0.	.050	.100	.300	-0.	-0.	-0.	-0.	-0.
QT	5.000	165.100	335.000	440.000	775.000	440.000	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	7.400	-0.	-0.	-0.	-0.
X1	5.100	14.000	390.100	400.200	1100.000	1800.000	1470.000	-0.	-.700	-0.
GR	23.300	-0.	23.500	100.000	23.600	200.000	22.500	300.000	21.700	390.100
GR	19.700	392.000	14.800	397.200	14.800	402.700	17.500	403.100	21.300	400.200
GR	22.200	500.000	22.200	600.000	21.900	700.000	22.500	800.000	-0.	-0.
NC	-0.	-0.	.050	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	5.200	15.000	2147.200	2152.700	100.000	100.000	100.000	-0.	-0.	-0.
X3	19.200	-0.	-0.	-0.	-0.	-0.	-0.	20.600	20.800	-0.
X4	2.000	23.300	1750.000	17.500	2148.000	-0.	-0.	-0.	-0.	-0.
GR	25.000	-0.	23.500	1650.000	23.600	1950.000	22.800	2050.000	21.700	2100.000
GR	19.700	2120.000	19.700	2147.200	17.500	2152.000	19.700	2152.700	21.300	2170.000
GR	22.200	2250.000	22.200	2350.000	21.900	2450.000	22.500	2550.000	25.000	3800.000
SB	1.000	2.270	3.200	-0.	5.500	1.000	13.700	-0.	17.200	17.200
X1	5.300	-0.	-0.	-0.	65.000	65.000	65.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	23.300	22.000	-0.	-0.	-0.	-0.	-0.
X3	1.400	-0.	-0.	-0.	-0.	-0.	-0.	22.000	22.000	-0.
BT	0.	-0.	25.000	-0.	1750.000	23.300	-0.	1950.000	23.600	-0.
BT	21[illegible]	22.000	-0.	2150.000	22.000	-0.	2250.000	22.200	-0.	2450.000
BT	22.[illegible]	-0.	2550.000	22.500	-0.	3800.000	25.000	-0.	-0.	-0.
X1	5.4[illegible]	-0.	-0.	-0.	50.000	50.000	50.000	-0.	.200	-0.
FJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

THIS RUN EXECUTED 30 DEC 81 11.02.33

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APR1 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES.
T2 LITTLE CREEK, ONSLOW COUNTY.
T3      FLOODWAY

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -0.        6.        -0.       -0.  -0.                -0.       -0.       -0.     5.340     -0.

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     15.000     -0.       -1.000    -0.       -0.       -0.       -1.000    -0.       -0.       -0.

IHLEG = 1.  THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF
PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH.  SEE DOCUMENTATION FOR
DETAILS.
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THIS RUN EXECUTED 30 DEC 81 11.02.33

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  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01.02.03.04
  MODIFICATION -  50.51.52.53.54
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

EAR FLOOD.

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	1.000	4.34	0.	4.60	144.68	95.81	328.41	10.79	0.	0.	431.00	450.00	0.
	1.000	5.34	1.00	5.71	19.00	0.	435.00	0.	.35	431.00	431.00	450.00	450.00
	2.100	10.67	0.	11.11	84.61	37.11	361.04	36.85	0.	0.	392.50	407.80	0.
	2.100	11.30	.63	11.84	18.72	4.18	426.99	3.82	.19	393.73	392.50	407.80	409.46
	2.200	11.53	0.	13.53	7.00	0.	435.00	0.	0.	0.	396.50	403.50	0.
	2.200	12.38	.85	13.88	7.00	0.	435.00	0.	0.	396.50	396.50	403.50	403.50
*	2.300	16.84	0.	16.84	291.36	174.25	92.59	168.16	0.	0.	396.50	403.50	0.
*	2.300	17.69	.85	17.69	118.26	173.02	97.02	164.97	.10	339.78	396.50	403.50	458.04
	2.400	16.84	0.	16.85	183.65	89.65	226.48	118.87	0.	0.	384.00	400.00	0.
	2.400	17.69	.85	17.79	91.81	80.28	240.38	114.34	.10	352.00	384.00	400.00	443.81
	3.000	16.91	0.	16.93	185.23	90.29	225.13	119.57	0.	0.	384.00	400.00	0.
	3.000	17.75	.84	17.77	92.71	80.94	239.93	115.03	.10	351.56	384.00	400.00	444.27
	4.100	17.12	0.	17.22	114.21	52.53	305.90	76.57	0.	0.	384.00	400.00	0.
	4.100	17.93	.81	18.07	35.39	11.10	374.68	49.21	.25	379.79	384.00	400.00	415.18
	4.200	18.14	0.	18.75	63.85	152.15	267.17	15.68	0.	0.	397.25	402.75	0.
	4.200	18.92	.78	19.69	16.87	83.46	340.34	11.19	.43	389.21	397.25	402.75	406.08
*	4.300	18.56	0.	18.91	198.68	155.31	229.52	50.17	0.	0.	397.25	402.75	0.
*	4.300	19.34	.78	19.79	57.15	55.94	273.09	105.97	.50	390.84	397.25	402.75	448.00
	4.400	19.00	0.	19.05	392.30	65.81	243.28	125.91	0.	0.	384.00	400.00	0.
	4.400	19.92	.92	19.98	71.89	0.	275.84	159.16	.34	384.00	384.00	400.00	455.89
	5.100	21.83	0.	22.04	476.23	9.06	360.77	70.17	0.	0.	390.10	408.20	0.
	5.100	22.81	.98	23.07	18.10	0.	440.00	0.	.44	390.10	390.10	408.20	408.20

	SECND	CWSEL	DIFKWS	EG	TOPWID	GLOB	GCH	GROB	PERENC	STENCL	STCHL	STCHR	STENCR
	5.200	22.45	0.	22.61	475.68	179.25	138.82	121.93	0.	0.	2147.20	2152.70	0.
	5.200	23.38	.93	23.55	150.70	25.41	161.08	253.52	.55	2141.77	2147.20	2152.70	2292.47
*	5.300	22.45	0.	22.61	477.84	178.59	137.70	123.71	0.	0.	2147.20	2152.70	0.
*	5.300	23.39	.93	23.55	154.18	26.25	159.20	254.55	.55	2141.57	2147.20	2152.70	2295.76
	5.400	22.84	0.	22.93	564.13	166.04	118.55	155.41	0.	0.	2147.20	2152.70	0.
	5.400	23.78	.66	23.80	205.36	11.50	138.80	289.70	.55	2143.69	2147.20	2152.70	2349.25

Little Creek
FLOODWAY DATA, EAR FLOOD.
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	WATER SURFACE ELEVATION DIFFERENCE	CUMULATIVE DISTANCE
1.000	19.	89.	4.9	5.3	4.3	1.0	3200
2.100	19.	82.	5.3	11.3	10.7	.6	4305
2.200	7.	44.	9.8	12.3	11.5	.8	4405
2.300	118.	932.	.5	17.6	16.8	.8	4480
2.400	92.	676.	.6	17.6	16.8	.8	4530
3.000	93.	686.	.6	17.7	16.9	.8	4970
4.100	35.	199.	2.2	17.9	17.1	.8	5421
4.200	17.	73.	5.9	18.9	18.1	.8	5521
4.300	57.	133.	3.3	19.4	18.6	.8	5584
4.400	72.	361.	1.2	19.9	19.0	.9	5634
5.100	18.	107.	4.1	22.8	21.8	1.0	7104
5.200	151.	282.	1.6	23.3	22.4	.9	7204
5.300	154.	287.	1.5	23.4	22.5	.9	7269
5.400	205.	365.	1.2	23.7	22.8	.9	7319