Mott Creek

*GENERAL MESSAGE

*EDIT-2 MESSAGE

16 JUNE --

AN IMPROVED VERSION OF THE EDIT-2 PROGRAM HAS BEEN LOADED ON THIS SYSTEM. IT NOW PROVIDES AN ENHANCED MODELING ANALYSIS FOR APPLICATIONS OF THE HEC-2 SPECIAL BRIDGE ROUTINE. IT CHECKS FOR THE PRESENCE OF X3 CARDS AT THE UPSTREAM AND DOWNSTREAM BRIDGE SECTIONS, CHECKS ELLEA (X3.8) AND ELREA (X3.9) FOR REASONABLENESS, AND COMPARES DATA FOR YARNELL#S TRAPAZOID WITH UPSTREAM AND DOWNSTREAM CHANNEL WIDTHS. THE SPECIAL BRIDGE DIAGNOSTICS ARE INDICATED BY THE WORD - CAUTION -.
THE IMPROVED VERSION OF THE PROGRAM CAN NOW ANALYZE MULTIPLE CI CARDS AND WILL RECOGNIZE IC CARDS.
THE NO LIST OPTION ON THE ED CARD WILL NOW SUPPRESS THE PROGRAM BANNER PAGE IN ADDITION TO THE DATA LISTING.
QUESTIONS REGARDING THESE MODIFICATIONS MAY BE ADDRESSED TO AL MONTALVO OR RICHARD HAYES AT (FTS) 448-2105 OR (916) 440-2105.

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T1 NORTH CAROLINA FLOOD STUDIES
T2 MOTI CREEK OF NORTH CAROLINA
T3 TEN YEAR FLOOD
J1      2.                       .0023                              2.4
J2              -1.                                 -1.
J3150.  201.    110.    201.
J61.

NC.20   .20     .09     .1      .3
QT5.    417.    843.    1098.   1932.   1398.
X11.    17.     290.    400.
GR9.4           3.3     100.    1.7     200.    1.1     290.    .1      297.
GR-.9   310.    -2.6    330.    -2.1    350.    -4.4    370.            390.
GR1.1   400.    1.4     500.    8.2     575.    7.7     600.    5.2     642.
GR5.9   700.    16.5    800.

X12.    16.     385.    400.    2600.   3000.   2700.
GR17.4  0.      19.4    100.    20.     155.    16.8    200.    2.5     290.
GR2.2   300.    1.8     365.    -0.1    388.    -1.8    392.    -0.1    397.
GR1.9   400.    2.3     500.    3.8     585.    6.7     600.    17.5    700.
GR21.5  800.

QT5.    208.    422.    549.    966.    549.
X1      3       15      485     500     3200    3000    3100
GR  21.5                20.8    290     21.5    290     16.5    300     6.5     400
GR    5.7       465     4       492     3.4     494     4       497     5.5     500
GR4.8   540.    13.5    600.    17.8    700.    17.5    800.    18.2    900.

X14.    146     435.    446.    1400.   1100.   1200.
GR23.1  0.      23.0    50.     22.8    150.    22.2    250.    20.4    350.
GR12.8  435.    9.5     438.    9.2     440.    9.5     446.    13.2    450.
GR21.0  550.    25.7    650.    27.7    750.    29.3    850.

X15.    146     433.    450.    200.    200.    200.
GR20.2  0.      19.7    150.    19.1    250.    14.0    350.    13.9    433.
GR11.0  436.    10.7    440.    11.    445.     14.3    450.    14.6    525.
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OK NO CHANGES

THIS RUN EXECUTED 30 OCT 81 10.27.00

VOID
See Run following this run OK.

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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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T1 NORTH CAROLINA FLOOD STUDIES
T2 NUTT CREEK OF NORTH CAROLINA
T3 TEN YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-[illegible]	2.	-[illegible]	-[illegible]	.002300	-[illegible]	-0.	-0.	2.400	-0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-[illegible]	-[illegible]	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150.[illegible]	[illegible]	[illegible]	261.000	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLEQ	ICOPY								
	[illegible]	-[illegible]	-[illegible]	-[illegible]	-0.	-0.	-0.	-0.	-0.	-0.

NC	[illegible]	.02	.[illegible]	.1[illegible]	.300	-0.	-0.	-0.	-0.	-0.
QT	[illegible]	417.[illegible]	943.[illegible]	1898.000	1932.000	1398.000	-0.	-0.	-0.	-0.
X1	[illegible]	17.	2[illegible]	4[illegible]	-0.	-0.	-0.	-0.	-0.	-0.
GR	[illegible]	-[illegible]	5.3[illegible]	1[illegible]	1.700	200.000	1.100	290.000	.100	257.000
GR	-[illegible]	31.[illegible]	-2.[illegible]	33[illegible]	-2.100	350.000	-4.400	370.000	-0.	390.000
GR	[illegible]	4[illegible]	1.4[illegible]	5[illegible]	6.200	572.000	7.790	600.000	5.200	642.000
GR	[illegible]	7[illegible]	16.5[illegible]	8[illegible]	-0.	-0.	-0.	-0.	-0.	-0.
X1	[illegible]	16[illegible]	[illegible]	4[illegible]	2600.000	3000.000	2700.000	-0.	-0.	-0.
GR	17.4	[illegible]	19.[illegible]	1[illegible]	20.000	165.000	16.800	200.000	2.500	290.000
GR	[illegible]	[illegible]	1[illegible]	385.[illegible]	-.100	368.000	-1.600	392.000	-.100	397.000
GR	1.[illegible]	4[illegible]	[illegible]	5[illegible]	3.850	585.000	6.700	600.000	17.500	700.000
GR	[illegible]	[illegible]	-[illegible]	-[illegible]	-0.	-0.	-0.	-0.	-0.	-0.
QT	[illegible]	[illegible]	4[illegible]	[illegible]	966.000	549.000	-0.	-0.	-0.	-0.
X1	[illegible]	1[illegible]	485.[illegible]	5[illegible]	3200.000	2000.000	3100.000	-0.	-0.	-0.
GR	21.5[illegible]	-[illegible]	20.[illegible]	2[illegible]	21.500	200.000	16.500	300.000	6.500	400.000
GR	[illegible]	[illegible]	4[illegible]	492.[illegible]	3.4[illegible]	494.000	4.000	497.000	5.500	500.000
GR	[illegible]	[illegible]	1[illegible]	[illegible]	17.[illegible]	7[illegible]	17.500	800.000	18.250	900.000

X1	4.050	14.000	435.300	446.000	1600.000	1100.000	1500.000	-0.	-0.	-0.
GR	23.100	0.	23.000	50.000	22.800	150.000	22.200	250.000	20.400	350.000
GR	12.800	435.000	9.500	438.000	9.200	440.000	9.500	446.000	13.200	450.000
GR	21.000	550.000	25.700	650.000	27.700	750.000	29.300	850.000	-0.	-0.
X1	5.000	14.000	433.000	450.000	200.000	200.000	200.000	-0.	-0.	-0.
GR	23.2..	0.	19.700	150.000	19.100	250.000	14.000	350.000	13.900	433.000
GR	11.0.0	436.000	10.700	446.000	11.000	445.000	14.300	450.000	14.600	525.000
GR	18.100	550.000	20.700	650.000	21.300	750.000	23.100	850.000	-0.	-0.
EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

THIS RUN EXECUTED 30 OCT 81 10.27.01

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR = 31,32,33,34
  MODIFICATION = 50,51,52,53,54
**************************************************

T1 NORTH CAROLINA FLOOD STUDIES
T2MOTT CREEK OF NORTH CAROLINAS
T3FIFTY YEAR FLOOD

J1   ICHECK     INQ      NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        -1.       3.        .         -0.   .002304      -0.       -0.       -0.    2.400     -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 30 OCT 81 10.27.01

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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
T2MOTT CREEK OF NORTH CAROLINAS
T3ONE HUNDRED YEAR FLOOD

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -0.       0.        -0.       -0.     .002300     -0.       -0.       -0.     2.400     -0.
J2   NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLOC     IBW       CHNIM     ITRACE
       3.000     -0.     -1.000      -0.       -0.       -0.     -1.000      -0.       -0.       -0.
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THIS RUN EXECUTED 30 OCT 81 10.27.01

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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
T2MOTT CREEK OF NORTH CAROLINAS
T3FIVE HUNDRED YEAR FLOOD

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
          -.         5.        -.        -0.   .012300   -0.       -0.       -0.       2.400     -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 30 OCT 81 10.27.01

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  81.82.83.84
  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	CRIWS	EG	TOPWID	GLOB	GCH	GROB	PERENC	STENCL	STCHL	STCHR	STENCR
1.000	.83	-1.57	.87	105.72	0.	417.00	0.	0.	0.	290.00	400.00	0.
1.[illegible]	2.[illegible]	-.[illegible]	2.15	331.86	17.92	797.90	27.18	0.	0.	290.00	400.00	0.
1.[illegible]	2.6[illegible]	.2[illegible]	2.66	369.03	48.90	988.18	60.92	0.	0.	290.00	400.00	0.
1.[illegible]	3.89	1.49	3.97	436.49	209.79	1528.05	194.16	0.	0.	290.00	400.00	0.
2.000	4.81	0.	4.81	314.68	128.94	109.54	178.52	0.	0.	385.00	400.00	0.
2.[illegible]	6.22	0.	6.23	330.88	268.59	368.85	405.56	0.	0.	385.00	400.00	0.
2.[illegible]	6.86	0.	6.87	339.[illegible]	352.59	282.04	543.37	0.	0.	385.00	400.00	0.
2.[illegible]	8.51	0.	8.53	364.54	628.61	383.59	999.81	0.	0.	385.00	400.00	0.
3.[illegible]	8.09	0.	8.10	178.63	66.15	68.19	71.66	0.	0.	485.00	500.00	0.
3.[illegible]	9.48	0.	9.49	282.18	167.58	113.60	140.81	0.	0.	485.00	500.00	0.
3.[illegible]	10.15	0.	10.16	213.37	228.83	138.35	181.82	0.	0.	485.00	500.00	0.
3.[illegible]	11.[illegible]	0.	11.94	243.27	435.38	213.33	317.29	0.	0.	485.00	500.00	0.
4.[illegible]	14.37	0.	14.55	47.42	7.63	182.92	17.46	0.	0.	435.00	446.00	0.
4.[illegible]	15.9[illegible]	0.	16.16	84.72	49.12	306.23	66.65	0.	0.	435.00	446.00	0.
4.[illegible]	16.56	0.	16.81	100.39	81.64	363.42	103.94	0.	0.	435.00	446.00	0.
4.[illegible]	18.18	0.	18.43	138.56	206.80	513.04	266.16	0.	0.	435.00	446.00	0.
5.[illegible]	15.[illegible]	0.	15.39	206.95	62.58	120.20	25.22	0.	0.	433.00	450.00	0.
5.[illegible]	16.72	0.	16.75	243.54	166.81	159.64	95.55	0.	0.	433.00	450.00	0.
5.[illegible]	17.32	0.	17.36	259.87	228.84	183.09	137.07	0.	0.	433.00	450.00	0.
5.[illegible]	18.89	0.	18.91	326.15	435.62	254.22	276.15	0.	0.	433.00	450.00	0.

EAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECND	XLCH	ELTRO	ELLC	ELMIN	Q	CUSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
1.000	-0.	0.	0.	-4.40	417.00	.83	-1.58	.87	22.75	1.58	278.83	87.43
1.000	-0.	0.	0.	-4.40	843.00	2.09	-.93	2.15	23.04	1.92	570.18	175.61
1.000	-0.	0.	0.	-4.40	1098.00	2.60	-.60	2.66	23.24	2.09	748.02	227.76
1.000	-0.	0.	0.	-4.40	1932.00	3.89	.26	3.97	23.09	2.49	1279.04	402.10
2.000	2700.00	0.	0.	-1.80	417.00	4.80	2.75	4.81	10.47	1.45	776.59	128.87
2.000	2700.00	0.	0.	-1.80	843.00	6.22	3.22	6.23	10.89	1.75	1232.83	255.50
2.000	2700.00	0.	0.	-1.80	1098.00	6.86	3.43	6.87	11.32	1.90	1450.02	326.40
2.000	2700.00	0.	0.	-1.80	1932.00	8.51	3.97	8.53	12.75	2.32	2027.62	540.99
3.000	3100.00	0.	0.	3.40	208.00	8.09	5.94	8.10	10.80	1.25	391.81	63.28
3.000	3100.00	0.	0.	3.40	422.00	9.48	6.56	9.49	10.22	1.50	656.24	131.98
3.000	3100.00	0.	0.	3.40	549.00	10.15	6.75	10.16	10.02	1.62	794.72	173.48
3.000	3100.00	0.	0.	3.40	966.00	11.92	7.22	11.94	9.67	1.90	1198.63	216.66
4.000	1500.00	0.	0.	9.20	208.00	14.37	11.95	14.55	78.48	3.68	84.19	23.48
4.000	1500.00	0.	0.	9.20	422.00	15.92	13.43	16.16	82.20	4.58	186.86	46.54
4.000	1500.00	0.	0.	9.20	549.00	16.56	14.27	16.81	82.40	4.91	247.28	60.48
4.000	1500.00	0.	0.	9.20	966.00	18.16	15.79	18.43	80.98	5.61	437.23	107.32
5.000	210.00	0.	0.	10.70	208.00	15.35	13.17	15.39	27.68	1.91	267.24	39.84
5.000	210.00	0.	0.	10.70	422.00	16.72	14.71	16.75	17.08	1.86	575.28	102.11
5.000	210.00	0.	0.	10.70	549.00	17.31	14.92	17.36	15.37	1.90	728.96	140.04
5.000	210.00	0.	0.	10.70	966.00	18.89	15.41	18.91	13.21	2.07	1175.20	265.80

EAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLOCH
1.000	417.00	.82	0.	0.	-1.57	105.72	-0.
1.000	842.00	2.09	1.26	0.	-.31	331.86	-0.
1.000	1398.00	2.61	.51	0.	.20	369.03	-0.
1.000	1932.00	3.89	1.29	0.	1.49	436.49	-0.
2.000	417.00	4.81	0.	3.97	0.	314.68	2700.00
2.000	842.00	6.22	1.41	4.13	0.	330.88	2700.00
2.000	1398.00	6.86	.64	4.26	0.	339.00	2700.00
2.000	1932.00	8.51	1.66	4.61	0.	364.54	2700.00
3.000	208.00	6.69	0.	3.29	0.	178.63	3100.00
3.000	422.00	9.48	1.39	3.27	0.	202.10	3100.00
3.000	549.00	11.15	.67	3.29	0.	213.37	3100.00
3.000	966.00	11.92	1.77	3.41	0.	243.27	3100.00
4.000	208.00	14.37	0.	6.27	0.	47.42	1500.00
4.000	422.00	15.92	1.55	6.44	0.	84.72	1500.00
4.000	549.00	16.56	.64	6.41	0.	100.79	1500.00
4.000	966.00	18.16	1.60	6.24	0.	138.56	1500.00
5.000	208.00	15.35	0.	.99	0.	206.95	200.00
5.000	422.00	16.72	1.37	.85	0.	243.54	200.00
5.000	549.00	17.33	.61	.77	0.	259.87	200.00
5.000	966.00	18.89	1.56	.73	0.	326.15	200.00

New Run

Final

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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 MOTT CREEK
T2 ONSLOW CO. N.C.
T3 10-YR-FLOOD

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0.       2.        0.        0.  0.002300      0.00      0.0       0.        2.600     0.000

J2   NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     0.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000     0.000

J3   VARIABLE CODES FOR SUMMARY PRINTOUT
     150.000   201.000   0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

J5   IHLEG     JCOPY
     1.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

NC     0.200     0.200     0.090     0.100     0.300     0.000     0.000     0.000     0.000     0.000
QT     5.000   417.000   843.000  1098.000  1932.000  1098.000     0.000     0.000     0.000     0.000
ET     0.000     0.000     0.000     0.000     0.000    10.400     0.000     0.000     0.000     0.000

X1     1.000    17.000   290.000   400.000     0.000     0.000     0.000     0.000     0.000     0.000
GR     9.400     0.000     3.300   100.000     1.700   200.000     1.100   290.000     0.100   297.000
GR    -0.900   310.000    -2.600   330.000    -2.100   350.000    -4.400   370.000     0.000   390.000
GR     1.100   400.000     1.400   500.000     8.200   573.000     7.700   600.000     5.200   642.000
GR     5.200   700.000    16.500   800.000     0.000     0.000     0.000     0.000     0.000     0.000

X1     2.000    16.000   385.000   400.000  2600.000  3000.000  2700.000     0.000     0.000     0.000
GR    17.400     0.000    19.400   100.000    20.000   165.000    16.800   200.000     2.500   290.000
GR     2.200   300.000     1.800   385.000    -0.100   388.000    -1.800   392.000    -0.100   397.000
GR     1.900   400.000     2.300   500.000     3.800   585.000     6.700   600.000    17.500   700.000
GR    21.500   800.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000
QT     5.000   208.000   422.000   549.000   966.000   549.000     0.000     0.000     0.000     0.000
ET     0.000     0.000     0.000     0.000     0.000     7.400     0.000     0.000     0.000     0.000

X1     3.000    15.000   485.000   500.000  3500.000  3300.000  3600.000     0.000     0.000     0.000
GR    21.500     0.000    20.800   200.000    21.500   200.000    16.500   300.000     6.500   400.000
GR     5.700   485.000     4.000   492.000     3.400   494.000     4.000   497.000     5.500   500.000
GR     4.800   540.000    13.500   600.000    17.800   700.000    17.500   800.000    18.200   900.000
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X1	4.000	14.000	435.000	446.000	1600.000	1100.000	1500.000	0.000	0.000	0.000
GR	23.100	0.000	23.000	50.000	22.800	150.000	22.200	250.000	20.400	350.000
GR	12.800	435.000	9.500	438.000	9.200	440.000	9.500	446.000	13.200	450.000
GR	21.000	550.000	25.700	650.000	27.700	750.000	29.300	850.000	0.000	0.000
X1	5.000	14.000	433.000	450.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	20.200	0.000	19.700	150.000	19.100	250.000	14.000	350.000	13.900	433.000
GR	11.000	436.000	10.700	440.000	11.000	445.000	14.300	450.000	14.600	525.000
GR	18.100	550.000	20.700	650.000	21.300	750.000	23.100	850.000	0.000	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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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 MOTT CREEK
T2 ONSLOW CO.
T3 50-YEAR FLOOD

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0        0         0.        0.    0.002300      0.00      0.0       0.       2.600     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    -1.000    0.000     0.000     0.000
```

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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 MOTT CR.
T2 ONSLOW CO.
T3 100-YEAR FLOOD

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       0.        4.        0.        0.   0.002300      0.00      0.0       0.      2.600     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     1.000     0.000     0.000     0.000
```

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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 MOUT CR.
T2 ONSLOW CO.
T3 500-YEAR FLOOD

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0        5.        0.        0.   0.002300      0.00      0.0       0.       2.600     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    -1.000     0.000     0.000     0.000
```

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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

FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
1.000	0.00	0.00	0.00	-4.40	417.00	0.83	-1.59	0.06	22.93	1.50	278.06	87.09
1.000	0.00	0.00	0.00	-4.40	843.00	2.09	-0.97	2.14	23.07	1.92	569.82	175.51
1.000	0.00	0.00	0.00	-4.40	1098.00	2.60	0.00	2.66	23.21	2.09	748.54	227.92
1.000	0.00	0.00	0.00	-4.40	1932.00	3.89	0.26	3.97	23.14	2.49	1277.86	401.67
2.000	2700.00	0.00	0.00	-1.80	417.00	4.80	2.75	4.81	10.46	1.45	776.78	128.91
2.000	2700.00	0.00	0.00	-1.80	843.00	6.22	3.22	6.23	10.89	1.75	1232.66	255.51
2.000	2700.00	0.00	0.00	-1.80	1098.00	6.86	0.00	6.87	11.32	1.90	1449.95	326.38
2.000	2700.00	0.00	0.00	-1.80	1932.00	8.51	3.97	8.53	12.75	2.32	2027.74	541.04
3.000	3600.00	0.00	0.00	3.40	208.00	8.21	5.94	8.22	9.32	1.10	412.76	68.12
3.000	3600.00	0.00	0.00	3.40	422.00	9.62	6.56	9.63	9.05	1.44	684.76	140.24
3.000	3600.00	0.00	0.00	3.40	549.00	10.30	0.00	10.31	8.95	1.56	826.79	183.51
3.000	3600.00	0.00	0.00	3.40	966.00	12.09	7.22	12.10	8.79	1.84	1240.85	325.84
4.000	1500.00	0.00	0.00	9.20	208.00	14.37	11.95	14.55	78.35	0.67	84.28	20.50
4.000	1500.00	0.00	0.00	9.20	422.00	15.93	13.43	16.17	81.52	4.57	187.71	44.24
4.000	1500.00	0.00	0.00	9.20	549.00	16.58	0.00	16.83	81.66	4.89	248.44	60.22
4.000	1500.00	0.00	0.00	9.20	966.00	18.18	15.79	18.44	79.67	5.57	440.64	108.29
5.000	400.00	0.00	0.00	10.70	208.00	15.66	13.17	15.68	16.81	1.57	331.41	50.22
5.000	400.00	0.00	0.00	10.70	422.00	17.03	14.71	17.04	12.29	1.64	651.03	105.45
5.000	400.00	0.00	0.00	10.70	549.00	17.65	0.00	17.66	11.48	1.70	812.11	132.01
5.000	400.00	0.00	0.00	10.70	966.00	19.20	15.41	19.22	10.59	1.91	1277.74	236.85

FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFWS	TOPWID	XLCH
1.000	417.00	0.83	0.00	0.00	-1.77	105.61	0.00
1.000	843.00	2.09	1.26	0.00	-0.51	331.78	0.00
1.000	1093.00	2.60	0.51	0.00	0.00	367.13	0.00
1.000	1262.00	3.89	1.29	0.00	1.29	436.42	0.00
2.000	417.00	4.80	0.00	3.98	0.00	314.68	2700.00
2.000	843.00	6.22	1.41	4.13	0.00	330.89	2700.00
2.000	1093.00	6.86	0.64	4.26	0.00	339.00	2700.00
2.000	1262.00	8.51	1.65	4.62	0.00	364.54	2700.00
3.000	417.00	8.21	0.00	3.41	0.00	180.60	3600.00
3.000	843.00	9.62	1.41	3.41	0.00	204.47	3600.00
3.000	1093.00	10.30	0.68	3.44	0.00	215.89	3600.00
3.000	1262.00	12.09	1.79	3.58	0.00	246.14	3600.00
4.000	417.00	14.37	0.00	6.16	0.00	47.47	1500.00
4.000	843.00	15.93	1.56	6.31	0.00	84.96	1500.00
4.000	1093.00	16.58	0.65	6.29	0.00	100.67	1500.00
4.000	1262.00	18.18	1.59	6.09	0.00	139.15	1500.00
5.000	417.00	15.66	0.00	1.29	0.00	215.39	400.00
5.000	843.00	17.03	1.37	1.10	0.00	251.72	400.00
5.000	1093.00	17.65	0.62	1.06	0.00	268.29	400.00
5.000	1262.00	19.20	1.55	1.02	0.00	350.54	400.00

Morgan

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"New Run"

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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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New Reach length

T1 MOTT CREEK
T2 ONSLOW CO. N.C.
T3 100-YR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	2.600	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC			********REQUESTED SECTION NUMBERS********					
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J6	IHLEG	ICOPY								
	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NC	0.200	0.200	0.090	0.100	0.300	0.000	0.000	0.000	0.000	0.000
GT	5.000	417.000	843.000	1098.000	1932.000	1098.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000
X1	1.000	17.000	290.000	400.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	9.400	0.000	3.300	100.000	1.700	200.000	1.100	290.000	0.100	297.000
GR	-0.900	310.000	-2.600	330.000	-2.100	350.000	-4.400	370.000	0.000	390.000
GR	1.100	400.000	1.400	500.000	8.200	573.000	7.700	600.000	5.200	642.000
GR	5.900	700.000	16.500	800.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2.000	16.000	385.000	400.000	2600.000	3000.000	2700.000	0.000	0.000	0.000
GR	17.400	0.000	19.400	100.000	20.000	165.000	16.800	200.000	2.500	290.000
GR	2.200	300.000	1.800	385.000	-0.100	388.000	-1.800	392.000	-0.100	397.000
GR	1.900	400.000	2.300	500.000	3.800	585.000	6.700	600.000	17.500	700.000
GR	21.500	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	5.000	208.000	422.000	549.000	966.000	549.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.400	0.000	0.000	0.000	0.000

X1	3.000	15.000	485.000	500.000	3500.000	3300.000	3600.000	0.000	0.000	0.000
GR	21.500	0.000	20.800	200.000	21.500	200.000	16.500	300.000	6.500	400.000
GR	5.700	485.000	4.000	492.000	3.400	494.000	4.000	497.000	5.500	500.000
GR	4.800	540.000	13.500	600.000	17.800	700.000	17.500	800.000	18.200	900.000
X1	4.000	14.000	435.000	446.000	1600.000	1100.000	1500.000	0.000	0.000	0.000
GR	23.100	0.000	23.000	50.000	22.800	150.000	22.200	250.000	20.400	350.000
GR	12.800	435.000	9.500	438.000	9.200	440.000	9.500	446.000	13.200	450.000
GR	21.000	550.000	25.700	650.000	27.700	750.000	29.300	850.000	0.000	0.000
X1	5.000	14.000	433.000	450.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	20.200	0.000	19.700	150.000	19.100	250.000	14.000	350.000	13.900	433.000
GR	11.000	436.000	10.700	440.000	11.000	445.000	14.300	450.000	14.600	525.000
GR	18.100	550.000	20.700	650.000	21.300	750.000	23.100	850.000	0.000	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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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED APRI 1980
  ERROR CORR -  01,02,03,04
  MODIFICATION -  50,51,52,53,54
**************************************************

T1 MOTT CREEK
T2 ONSLOW CO.
T3 FLOODWAY

J1   ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

        0.       6.        0.        0.   0.000000      0.00      0.0       0.      3.600     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    -1.000     0.000     0.000     0.000

IHLEQ = 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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**************************************************
  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

R FLOOD

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOB	GCH	GROB	PERENC	STENCL	STCHL	STCHR	STENCR
1.000	2.60	0.00	2.66	369.13	48.97	988.04	60.99	0.00	0.00	290.00	400.00	0.00
1.000	3.60	1.00	3.66	110.00	0.00	1098.00	0.00	0.19	290.00	290.00	400.00	400.00
2.000	6.86	0.00	6.87	339.00	352.59	202.05	543.36	0.00	0.00	385.00	400.00	0.00
2.000	7.56	0.70	7.58	204.99	284.00	256.32	557.67	0.27	322.53	385.00	400.00	527.52
3.000	10.30	0.00	10.31	215.89	230.88	136.53	181.59	0.00	0.00	485.00	500.00	0.00
3.000	11.06	0.76	11.08	130.45	224.61	160.02	164.37	0.22	409.89	485.00	500.00	540.34
4.000	16.58	0.00	16.83	100.71	81.98	362.74	104.27	0.00	0.00	435.00	446.00	0.00
4.000	17.34	0.77	17.70	28.34	41.45	435.93	71.61	0.23	427 59	435.00	446.00	455.93
5.000	17.64	0.00	17.66	268.16	233.69	173.33	141.98	0.00	0.00	433.00	450.00	0.00
5.000	18.46	0.82	18.48	144.13	232.61	206.10	110.28	0.25	352.24	433.00	450.00	496.38

FLOODWAY DATA, R FLOOD
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	110.	583.	1.9	3.6	2.6	1.0
2.000	205.	1150.	1.0	7.6	6.9	0.7
3.000	130.	714.	0.8	11.1	10.3	0.8
4.000	28.	161.	3.4	17.4	16.6	0.8
5.000	144.	669.	0.8	18.4	17.6	0.8

(1)

THIS RUN EXECUTED 25 NOV 81 14.00.06

VOID

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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 MOTT CREEK OF NORTH CAROLINA
T3 FLOODWAY

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
      -0.       4.        -0.       -0. -0.           -0.       -0.       -0.     2.600     -0.
J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
      -0.       -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********
    -10.000   -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.
J6  IHLEG     ICOPY
      1.000   -1.       -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.

NC      .200      .200      .090      .100      .300      -0.       -0.       -0.       -0.       -0.
QT     5.000   417.000   843.000  1098.000  1932.000  1098.000     -0.       -0.       -0.       -0.
ET      -0.       -0.       -0.       -0.       -0.     10.400     -0.       -0.       -0.       -0.

X1     1.000    17.000   290.000   400.000     -0.       -0.       -0.       -0.       -0.       -0.
GR     9.400     -0.       3.300   100.000    1.700   200.000    1.100   290.000      .100   297.000
GP     -.900   310.000    -2.600   330.000   -2.100   350.000   -4.400   370.000     -0.     390.000
GR     1.100   400.000     1.400   500.000    8.200   573.000    7.700   600.000     5.200   642.000
GR     5.900   700.000    16.500   800.000     -0.       -0.       -0.       -0.       -0.       -0.

X1     2.000    16.000   385.000   400.000  2690.000  3000.000  2700.000     -0.       -0.       -0.
GR    17.400     0.       19.400   100.000    20.000   165.000    16.800   200.000     2.500   290.000
GR     2.200   300.000     1.800   385.000     -.100   388.000    -1.800   392.000     -.100   397.000
GR     1.900   400.000     2.300   500.000     3.800   585.000     6.700   600.000    17.500   700.000
GR    21.500   800.000     -0.       -0.       -0.       -0.       -0.       -0.       -0.       -0.
QT     5.000   298.000   422.000   549.000   966.000   549.000     -0.       -0.       -0.       -0.
ET      -0.       -0.       -0.       -0.       -0.     7.400     -0.       -0.       -0.       -0.
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Keep this card

					3500	3300	3600			
	X1	3.000	15.000	485.000	500.000	~~3000.000~~	~~3000.000~~	~~3100.000~~	-0.	-0.	-0.
C	GR	21.500	-0.	20.800	200.000	21.500	200.000	16.500	300.000	6.500	400.000
	GR	5.700	485.000	4.000	492.000	3.400	494.000	4.000	497.000	5.500	500.000
	GR	4.800	540.000	13.500	600.000	17.800	700.000	17.500	800.000	18.200	900.000
	X1	4.000	14.000	435.000	446.000	1600.000	1100.000	1500.000	-0.	-0.	-0.
	GR	23.100	0.	23.000	50.000	22.800	150.000	22.200	250.000	20.400	350.000
D	GR	12.800	435.000	9.500	438.000	9.200	440.000	9.500	446.000	13.200	450.000
	GR	21.000	550.000	25.700	650.000	27.700	750.000	29.300	850.000	-0.	-0.
							400				
	X1	5.000	14.000	433.000	450.000	~~200.000~~	~~300.000~~	~~200.000~~	-0.	-0.	-0.
	GR	20.200	0.	19.700	150.000	19.100	250.000	14.000	350.000	13.900	433.000
	GR	11.000	436.000	10.700	446.000	11.000	445.000	14.300	450.000	14.600	525.000
	GR	18.100	550.000	20.700	650.000	21.300	750.000	23.100	850.000	-0.	-0.
	EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

Void

THIS RUN EXECUTED 25 NOV 81 14.00.06

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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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T1 NORTH CAROLINA FLOOD STUDIES
T2MOTT CREEK OF NORTH CAROLINAS
T3 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-0.	6.	-0.	-0.	-0.	-0.	-0.	-0.	3.600	-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.

THIS RUN EXECUTED 25 NOV 81 14.00.06

****
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

WAY

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
1.000	2.60	0.	2.66	369.13	48.97	988.04	60.99	0.	0.	290.00	400.00	0.
1.000	3.60	1.00	3.66	110.00	0.	1098.00	0.	.19	290.00	290.00	400.00	400.00
2.000	6.86	0.	6.87	339.00	352.59	202.05	543.36	0.	0.	385.00	400.00	0.
2.000	7.56	.70	7.58	204.99	284.00	256.32	557.67	.27	322.53	385.00	400.00	527.52
3.000	10.15	0.	10.16	213.37	228.83	138.35	181.82	0.	0.	485.00	500.00	0.
3.000	10.96	.81	10.98	128.47	228.56	166.77	153.67	.22	411.24	485.00	500.00	539.70
4.000	16.56	0.	16.81	100.39	81.64	363.42	103.94	0.	0.	435.00	446.00	0.
4.000	17.35	.79	17.70	28.19	41.12	436.59	71.30	.23	427.65	435.00	446.00	455.85
5.000	17.33	0.	17.36	259.87	228.84	183.09	137.07	0.	0.	433.00	450.00	0.
5.000	18.18	.85	18.21	136.25	227.78	219.22	102.00	.27	355.99	433.00	450.00	492.24

Mott Creek
FLOODWAY DATA. MAY
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	110.	583.	1.9	3.6	2.6	1.0
2.000	205.	1150.	1.0	7.6	6.9	.7
3.000	128.	691.	.8	10.9	10.1	.8
4.000	28.	161.	3.4	17.4	16.6	.8
5.000	136.	597.	.9	18.1	17.3	.8

CUMULATIVE DISTANCE

600
3300
6400
7900
8100