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**************************************
HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
**************************************

T1      TRIB 4 BASIN 24
T2      FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3      10 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        -1.       2.        0.        0.  0.008600       0.0       0.0       0.   371.000     0.0

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
    -1.000     0.0       -1.000    0.0       0.0       0.0       0.0       0.0       0.0       0.0

J3      1.000    34.000     3.000     4.000    27.000    28.000    26.000     0.0       0.0       0.0
NC      0.085     0.085     0.060     0.100     0.300     0.0       0.0       0.0       0.0       0.0
QT      5.000   150.000   300.000   500.000   930.000   500.000     0.0       0.0       0.0       0.0
ET      5.000     0.0       0.0       0.0       0.0     10.400      0.0       0.0       0.0       0.0

X1    650.000    16.000  1075.000  1089.000   650.000   650.000   650.000     0.0    -0.400     0.0
GR    384.600   800.000   379.800   900.000   378.700   923.000   375.800   935.000   372.300  1000.000
GR    369.800  1038.000   368.900  1075.000   367.100  1078.000   366.200  1083.000   367.100  1088.000
GR    369.100  1089.000   368.600  1100.000   377.000  1200.000   378.500  1300.000   379.000  1344.000
GR    385.100  1369.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0

X1    700.000    20.000  1089.000  1097.000    50.000    50.000    50.000     0.0       0.0       0.0
X3     10.000     0.0       0.0       0.0       0.0       0.0       0.0     372.000   372.000     0.0
GR    390.300   800.000   384.600   810.000   379.800   910.000   378.700   933.000   375.800   945.000
GR    372.300  1010.000   369.800  1048.000   368.900  1085.000   367.100  1089.000   366.000  1089.000
GR    366.000  1097.000   367.100  1097.000   369.100  1099.000   368.600  1110.000   377.000  1210.000
GR    378.500  1310.000   379.000  1354.000   382.100  1367.000   381.600  1400.000   381.000  1431.000
SB      0.900     1.500     2.500     0.0       8.000     0.001    48.000     0.0       0.0       0.0

X1    772.000     0.0       0.0       0.0      72.000    72.000    72.000     0.0       0.0       0.0
X2      0.0       0.0       1.000   372.000   381.000     0.0       0.0       0.0       0.0       0.0
X3     10.000     0.0       0.0       0.0       0.0       0.0       0.0     385.900   385.800     0.0
BT      9.000   800.000   390.300     0.0    1000.000   387.300     0.0    1089.000   385.900   372.000
BT   1097.000   385.800   372.000  1100.000   385.800     0.0    1200.000   384.500     0.0    1300.000
BT    383.100     0.0    1400.000   381.600     0.0    1431.000   381.000     0.0       0.0       0.0
ET      5.000     0.0       0.0       0.0       0.0     -30.400     0.0       0.0       0.0       0.0

X1    822.000    16.000  1075.000  1089.000    50.000    50.000    50.000     0.0       0.0       0.0
GR    384.600   800.000   379.800   900.000   378.700   923.000   375.800   935.000   372.300  1000.000
GR    369.800  1038.000   368.900  1075.000   367.100  1078.000   366.200  1083.000   367.100  1088.000
GR    369.100  1089.000   368.600  1100.000   377.000  1200.000   378.500  1300.000   379.000  1344.000
GR    385.100  1369.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
QT      5.000   135.000   260.000   420.000   750.000   420.000     0.0       0.0       0.0       0.0
ET      0.0       0.0       0.0       0.0       0.0       7.100  1387.000  1437.000     0.0       0.0

X1   1022.000    14.000  1400.000  1414.000   200.000   200.000   200.000     0.0       0.0       0.0
GR    389.200  1096.000   388.700  1100.000   379.600  1200.000   375.700  1300.000   371.800  1400.000
GR    370.600  1405.000   369.400  1408.000   370.300  1411.000   371.500  1414.000   372.800  1500.000
GR    374.000  1550.000   377.500  1600.000   384.500  1700.000   387.600  1750.000     0.0       0.0
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ET	5.000	0.0	0.0	0.0	0.0	-30.400	0.0	0.0	0.0	0.0
X1	1072.000	17.000	1394.000	1400.000	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.000	376.000	0.0
GR	389.600	1000.000	384.400	1100.000	380.500	1185.000	380.200	1189.000	376.300	1289.000
GR	373.000	1394.000	370.800	1395.000	370.200	1396.000	370.000	1397.000	370.200	1398.000
GR	370.800	1399.000	373.000	1400.000	374.600	1539.000	378.100	1589.000	379.800	1610.000
GR	383.700	1700.000	388.900	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.001	28.300	0.0	0.0	0.0
X1	1113.000	0.0	0.0	0.0	41.000	41.000	41.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	376.000	376.600	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.600	376.600	0.0
BT	15.000	1000.000	389.600	0.0	1100.000	384.400	0.0	1200.000	379.800	0.0
BT	1300.000	377.000	0.0	1394.000	376.600	373.000	1395.000	376.600	375.300	1396.000
BT	376.600	375.800	1397.000	376.600	376.000	1398.000	376.600	375.800	1399.000	376.600
BT	375.300	1400.000	376.600	373.000	1500.000	376.700	0.0	1600.000	379.200	0.0
BT	1700.000	383.700	0.0	1800.000	388.900	0.0	0.0	0.0	0.0	0.0
X1	1163.000	14.000	1400.000	1414.000	50.000	50.000	50.000	0.0	1.200	0.0
GR	389.200	1096.000	388.700	1100.000	379.600	1200.000	375.700	1300.000	371.800	1400.000
GR	370.600	1405.000	369.400	1408.000	370.300	1411.000	371.500	1414.000	372.800	1500.000
GR	374.000	1550.000	377.500	1600.000	384.500	1700.000	387.600	1750.000	0.0	0.0
QT	5.000	120.000	240.000	320.000	500.000	320.000	0.0	0.0	0.0	0.0
X1	1463.000	16.000	1119.000	1128.000	300.000	300.000	300.000	0.0	0.0	0.0
GR	387.800	615.000	384.500	700.000	382.600	800.000	377.100	892.000	376.800	900.000
GR	375.300	1000.000	374.100	1100.000	373.800	1119.000	373.100	1120.000	372.100	1123.000
GR	373.100	1126.000	373.900	1128.000	373.600	1198.000	374.400	1200.000	382.000	1300.000
GR	385.200	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1513.000	21.000	1098.000	1108.000	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.200	376.200	0.0
GR	394.800	413.000	387.800	595.000	384.500	680.000	382.600	780.000	377.100	872.000
GR	376.800	880.000	375.300	980.000	374.200	1098.000	372.400	1099.000	372.200	1100.000
GR	372.400	1101.000	374.200	1102.000	374.200	1104.000	372.400	1105.000	372.200	1106.000
GR	372.400	1107.000	374.200	1108.000	374.400	1180.000	382.000	1280.000	385.200	1330.000
GR	395.000	1483.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	8.000	0.001	25.000	0.0	0.0	0.0
X1	1598.000	0.0	0.0	0.0	85.000	85.000	85.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	376.200	394.600	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	394.600	394.600	0.0
BT	14.000	413.000	394.800	0.0	1000.000	394.800	0.0	1098.000	394.600	374.200
BT	1099.000	394.600	376.000	1100.000	394.600	376.200	1101.000	394.600	376.000	1102.000
BT	394.600	374.200	1104.000	394.600	374.200	1105.000	394.600	376.000	1106.000	394.600
BT	376.200	1107.000	394.600	376.000	1108.000	394.600	374.200	1200.000	395.000	0.0
BT	1483.000	395.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1648.000	16.000	1119.000	1128.000	50.000	50.000	50.000	0.0	0.200	0.0
GR	387.800	615.000	384.500	700.000	382.600	800.000	377.100	892.000	376.800	900.000
GR	375.300	1000.000	374.100	1100.000	373.800	1119.000	373.100	1120.000	372.100	1123.000
GR	373.100	1126.000	373.900	1128.000	373.600	1198.000	374.400	1200.000	382.000	1300.000
GR	385.200	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

10 YEAR FLOOD WATER SURF

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
650.00	650.00	0.0	0.0	365.80	150.00	369.10	16.21	369.30	60.20	0.0	0.0	3.83
700.00	50.00	0.0	0.0	366.00	150.00	369.50	11.80	369.94	8.00	0.0	0.0	5.36
772.00	72.00	381.00	372.00	366.00	150.00	369.50	11.80	369.94	8.00	0.0	0.0	5.36
822.00	50.00	0.0	0.0	366.20	150.00	370.17	31.10	370.23	86.18	0.0	0.0	2.34
1022.00	200.00	0.0	0.0	369.40	135.00	372.13	8.05	372.52	64.33	0.0	0.0	5.36
1072.00	50.00	0.0	0.0	370.00	135.00	373.58	5.78	374.62	6.00	0.0	0.0	8.20
1113.00	41.00	376.60	376.00	370.00	135.00	373.58	5.79	374.62	6.00	0.0	0.0	8.20
1163.00	50.00	0.0	0.0	370.60	135.00	374.80	57.49	374.81	180.06	0.0	0.0	1.17
1463.00	300.00	0.0	0.0	372.10	120.00	375.03	34.46	375.05	186.52	0.0	0.0	1.36
1513.00	50.00	0.0	0.0	372.20	120.00	374.71	4.31	375.55	10.00	0.0	0.0	7.36
1598.00	85.00	394.60	376.20	372.20	120.00	374.71	4.32	375.55	10.00	0.0	0.0	7.36
1648.00	50.00	0.0	0.0	372.30	120.00	375.69	62.23	375.70	227.90	0.0	0.0	0.86

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
650.000	150.000	369.096	0.0	0.0	0.0	60.203	0.0	650.000
700.000	150.000	369.498	0.0	0.402	0.0	8.000	0.0	50.000
772.000	150.000	369.498	0.0	0.0	0.0	8.000	0.0	72.000
822.000	150.000	370.166	0.0	0.667	0.0	86.180	0.0	50.000
1022.000	135.000	372.132	0.0	1.966	0.0	64.332	0.0	200.000
1072.000	135.000	373.576	0.0	1.444	0.0	6.000	0.0	50.000
1113.000	135.000	373.577	0.0	0.001	0.0	6.000	0.0	41.000
1163.000	135.000	374.805	0.0	1.228	0.0	180.055	0.0	50.000
1463.000	120.000	375.034	0.0	0.230	0.0	186.522	0.0	300.000
1513.000	120.000	374.710	0.0	-0.324	0.0	10.000	0.0	50.000
1598.000	120.000	374.711	0.0	0.001	0.0	10.000	0.0	85.000
1648.000	120.000	375.695	0.0	0.984	0.0	227.900	0.0	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH

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                                        AREA-ACRES    AREA-DIFF
          1        0.0          0.0          2.136        0.0
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HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
**************************************


T1       TRIB 4 BASIN 24
T2       FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3       50 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK    INQ        NINV       IDIR       STRT       METRIC     HVINS      Q          WSEL       FQ
        -10.        3.         0.         0.  0.008600        0.0        0.0         0.   373.000    0.0

J2  NPROF     IPLOT      PRFVS      XSECV      XSECH      FN         ALLDC      IBW        CHNIM      ITRACE
        2.000      0.0       -1.000      0.0        0.0        0.0        0.0        0.0        0.0        0.0

CCHV=    0.100 CEHV=    0.300
   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

     650.00      4.01     369.81       0.0     373.00     370.04       0.23        0.0        0.0     368.50
        300.       47.       202.       51.       33.       44.       30.         0.         0.     368.70
        0.0       1.43       4.55       1.69     0.085     0.060     0.085        0.0     365.80    1031.78
   0.008588       650.       650.       650.         0         0         6        0.0      87.37    1119.15


3301 HV CHANGED MORE THAN HVINS

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=       372.00 ELREA=       372.00

     700.00      3.75     369.75       0.0        0.0     371.30       1.55       0.87       0.40     367.10
        300.        0.       300.         0.         0.       30.         0.         0.         0.     367.10
        0.00       0.0       9.98       0.0      0.085     0.060     0.085      0.059     366.00    1089.00
   0.052378       50.        50.        50.          3         0         1        0.0       8.00    1097.00


SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
SB  XK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS         ELCHU      ELCHD
       0.90       1.50       2.50       0.0        8.00       0.00      48.00       0.0      366.00     366.00

CLASS A LOW FLOW

BRIDGE W.S.=     369.75  BRIDGE VELOCITY=       9.99

    EGPRS      EGLWC      H3         QWEIR      QPR        BAREA      ELLC       ELTRD      CLASS
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HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
**************************************


T1      TRIB 4  BASIN 24
T2      FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3      100 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK    INQ      NINV     IDIR     STRT      METRIC    HVINS     Q         WSEL      FQ
      -10.      4.       0.       0.  0.008600      0.0       0.0       0.    375.000     0.0

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     3.000     0.0     -1.000    0.0      0.0       0.0       0.0       0.0       0.0       0.0

CCHV=   0.100 CEHV=   0.300
   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


   650.00     4.63    370.43     0.0      375.00    370.68     0.25      0.0       0.0       368.50
    500.      123.     270.      107.      63.       53.       51.        0.        0.       368.70
      0.0     1.96     5.10      2.07     0.085     0.060     0.085     0.0       365.80    1022.32
 0.008489     650.     650.      650.       0         0         6       0.0       104.25    1126.57

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

   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=      372.00 ELREA=      372.00

   700.00     4.93    370.93    370.93     0.0      373.43     2.49      0.92      0.0       367.10
    500.       0.      500.       0.        0.       39.       0.         0.        0.       367.10
     0.00      0.0     12.67      0.0      0.085     0.060     0.085     0.059     366.00    1089.00
 0.065982     50.      50.       50.       30         8         1       0.0       8.00      1097.00

SPECIAL BRIDGE

    -0.90      1.50     2.50      0.0       8.00      0.00     48.00      0.0     366.00    365.00
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HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
**************************************


T1      TRIB 4 BASIN 24
T2      FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3      500 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      -10.       5.        0.        0.  0.008600      0.0       0.0       0.   378.000     0.0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     15.000     0.0      -1.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0


CCHV=   0.100 CEHV=   0.300
   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


   650.00      5.55    371.35      0.0     378.00    371.64      0.29      0.0       0.0     368.50
    930.       305.      391.      235.      118.      66.       91.        0.        0.     368.70
      0.0      2.58      5.92      2.58     0.085     0.060     0.085      0.0     365.80    1008.30
 0.008575      650.      650.      650.         0         0         7      0.0     129.25    1137.55


3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

   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


   700.00      6.01    372.01    372.01       0.0    372.23      0.22      0.38      0.0     367.10
    930.       383.      275.      271.      152.      48.       112.       0.        0.     367.10
     0.00      2.53      5.72      2.43     0.085     0.060     0.085      0.059   366.00    1014.39
 0.006753       50.       50.       50.        30        21         1      0.0     136.22    1150.61


SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     0.90      1.50      2.50        0.0     8.00      0.00     48.00      0.0     366.00    365.00
```

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

	SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
	650.00	650.00	0.0	0.0	365.80	150.00	369.10	16.21	369.30	60.20	0.0	0.0	3.83
A	650.00	650.00	0.0	0.0	365.80	300.00	369.81	32.37	370.04	87.37	0.0	0.0	4.55
	650.00	650.00	0.0	0.0	365.80	500.00	370.43	54.27	370.68	104.25	0.0	0.0	5.10
	650.00	650.00	0.0	0.0	365.80	930.00	371.35	100.43	371.64	129.25	0.0	0.0	5.92
	700.00	50.00	0.0	0.0	366.00	150.00	369.50	11.80	369.94	8.00	0.0	0.0	5.36
	700.00	50.00	0.0	0.0	366.00	300.00	369.75	13.11	371.30	8.00	0.0	0.0	9.98
	700.00	50.00	0.0	0.0	366.00	500.00	370.93	19.47	373.43	8.00	0.0	0.0	12.67
	700.00	50.00	0.0	0.0	366.00	930.00	372.01	113.17	372.23	136.22	0.0	0.0	5.72
	772.00	72.00	381.00	372.00	366.00	150.00	369.50	11.80	369.94	8.00	0.0	0.0	5.36
	772.00	72.00	381.00	372.00	366.00	300.00	369.76	13.11	371.30	8.00	0.0	0.0	9.98
	772.00	72.00	381.00	372.00	366.00	500.00	371.31	21.63	373.46	8.00	0.0	0.0	11.77
	772.00	72.00	381.00	372.00	366.00	930.00	379.62	76.78	380.75	8.00	0.0	0.0	8.53
	822.00	50.00	0.0	0.0	366.20	150.00	370.17	31.10	370.23	86.18	0.0	0.0	2.34
	822.00	50.00	0.0	0.0	366.20	300.00	371.59	90.76	371.62	124.71	0.0	0.0	2.06
	822.00	50.00	0.0	0.0	366.20	500.00	373.72	264.96	373.73	187.17	0.0	0.0	1.52
	822.00	50.00	0.0	0.0	366.20	930.00	380.87	2070.70	380.87	473.94	0.0	0.0	0.59
	1022.00	200.00	0.0	0.0	369.40	135.00	372.13	8.05	372.52	64.33	0.0	0.0	5.36
B	1022.00	200.00	0.0	0.0	369.40	260.00	372.56	15.25	373.01	103.34	0.0	0.0	6.41
	1022.00	200.00	0.0	0.0	369.40	420.00	373.83	71.25	373.90	194.93	0.0	0.0	3.09
	1022.00	200.00	0.0	0.0	369.40	750.00	380.87	1706.39	380.87	462.19	0.0	0.0	0.50
	1072.00	50.00	0.0	0.0	370.00	135.00	373.58	5.78	374.62	6.00	0.0	0.0	8.20
	1072.00	50.00	0.0	0.0	370.00	260.00	374.69	9.53	376.65	6.00	0.0	0.0	11.23
	1072.00	50.00	0.0	0.0	370.00	420.00	376.04	147.23	376.06	262.53	0.0	0.0	1.60
	1072.00	50.00	0.0	0.0	370.00	750.00	380.87	1280.35	380.88	457.96	0.0	0.0	0.51
	1113.00	41.00	376.60	376.00	370.00	135.00	373.58	5.79	374.62	6.00	0.0	0.0	8.20
	1113.00	41.00	376.60	376.00	370.00	260.00	376.65	222.15	376.65	287.78	0.0	0.0	0.70
	1113.00	41.00	376.60	376.00	370.00	420.00	377.26	321.35	377.27	312.96	0.0	0.0	0.84
	1113.00	41.00	376.60	376.00	370.00	750.00	380.92	1297.63	380.92	460.04	0.0	0.0	0.50
	1163.00	50.00	0.0	0.0	370.60	135.00	374.80	57.49	374.81	180.06	0.0	0.0	1.17
C	1163.00	50.00	0.0	0.0	370.60	260.00	376.65	232.69	376.66	264.42	0.0	0.0	0.77
	1163.00	50.00	0.0	0.0	370.60	420.00	377.27	325.35	377.28	289.11	0.0	0.0	0.96
	1163.00	50.00	0.0	0.0	370.60	750.00	380.92	1257.75	380.92	433.10	0.0	0.0	0.62
	1463.00	300.00	0.0	0.0	372.10	120.00	375.03	34.46	375.05	186.52	0.0	0.0	1.36
D	1463.00	300.00	0.0	0.0	372.10	240.00	376.70	183.74	376.70	322.98	0.0	0.0	0.75
	1463.00	300.00	0.0	0.0	372.10	320.00	377.32	281.28	377.32	350.16	0.0	0.0	0.72
	1463.00	300.00	0.0	0.0	372.10	500.00	380.93	1258.55	380.93	458.07	0.0	0.0	0.38
	1513.00	50.00	0.0	0.0	372.20	120.00	374.71	4.31	375.55	10.00	0.0	0.0	7.36
	1513.00	50.00	0.0	0.0	372.20	240.00	376.71	149.20	376.71	323.57	0.0	0.0	0.74
	1513.00	50.00	0.0	0.0	372.20	320.00	377.33	241.01	377.33	350.38	0.0	0.0	0.68
	1513.00	50.00	0.0	0.0	372.20	500.00	380.93	1186.10	380.93	458.11	0.0	0.0	0.32

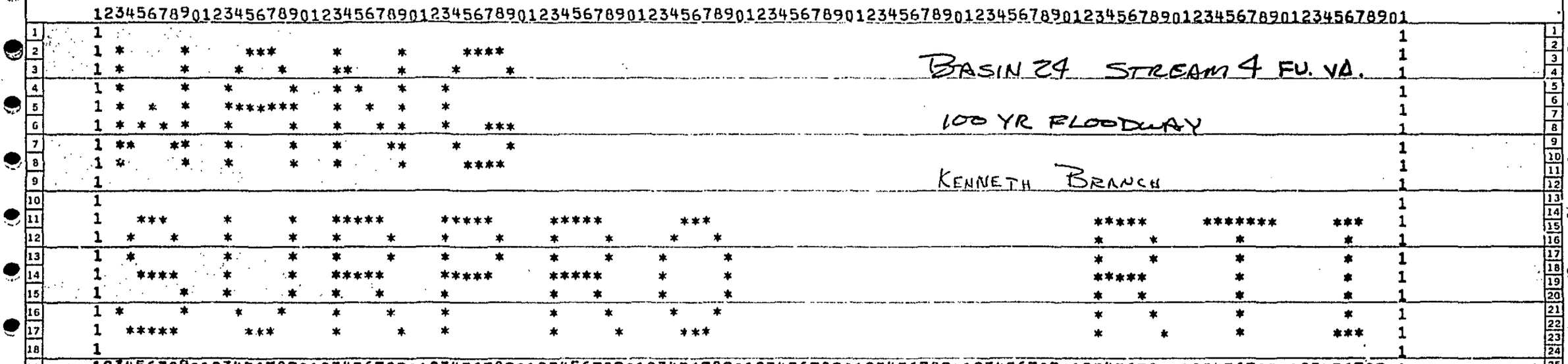
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
1598.00	85.00	394.60	376.20	372.20	120.00	374.71	4.32	375.55	10.00	0.0	0.0	7.36
1598.00	85.00	394.60	376.20	372.20	240.00	378.55	27.97	378.85	10.00	0.0	0.0	4.38
1598.00	85.00	394.60	376.20	372.20	320.00	380.88	46.65	381.14	10.00	0.0	0.0	4.10
1598.00	85.00	394.60	376.20	372.20	500.00	390.11	134.27	390.25	10.00	0.0	0.0	2.94
1648.00	50.00	0.0	0.0	372.30	120.00	375.69	62.23	375.70	227.90	0.0	0.0	0.86
1648.00	50.00	0.0	0.0	372.30	240.00	378.89	568.15	378.89	390.90	0.0	0.0	0.32
1648.00	50.00	0.0	0.0	372.30	320.00	381.17	1271.76	381.17	459.14	0.0	0.0	0.24
1648.00	50.00	0.0	0.0	372.30	500.00	390.26	7668.02	390.26	735.00	0.0	0.0	0.10

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
650.000	150.000	369.096	0.0	0.0	0.0	60.203	0.0	650.000
650.000	300.000	369.808	0.712	0.0	0.0	87.368	-27.164	650.000
650.000	500.000	370.431	0.623	0.0	0.0	104.247	-44.044	650.000
650.000	930.000	371.354	0.923	0.0	0.0	129.251	-69.048	650.000
700.000	150.000	369.498	0.0	0.402	0.0	8.000	0.0	50.000
700.000	300.000	369.754	0.256	-0.054	0.0	8.000	0.0	50.000
700.000	500.000	370.931	1.177	0.500	0.0	8.000	0.0	50.000
700.000	930.000	372.011	1.080	0.657	0.0	136.223	-128.223	50.000
772.000	150.000	369.498	0.0	0.0	0.0	8.000	0.0	72.000
772.000	300.000	369.756	0.258	0.001	0.0	8.000	0.0	72.000
772.000	500.000	371.307	1.551	0.375	0.0	8.000	0.0	72.000
772.000	930.000	379.624	8.317	7.613	0.0	8.000	0.0	72.000
822.000	150.000	370.166	0.0	0.667	0.0	86.180	0.0	50.000
822.000	300.000	371.585	1.420	1.830	0.0	124.707	-38.527	50.000
822.000	500.000	373.716	2.131	2.410	0.0	187.174	-100.994	50.000
822.000	930.000	380.869	7.152	1.245	0.0	473.938	-387.758	50.000
1022.000	135.000	372.132	0.0	1.966	0.0	64.332	0.0	200.000
1022.000	260.000	372.557	0.425	0.971	0.0	103.336	-39.004	200.000
1022.000	420.000	373.831	1.274	0.114	0.0	194.933	-130.600	200.000
1022.000	750.000	380.873	7.043	0.004	0.0	462.186	-397.854	200.000
1072.000	135.000	373.576	0.0	1.444	0.0	6.000	0.0	50.000
1072.000	260.000	374.691	1.115	2.134	0.0	6.000	0.0	50.000
1072.000	420.000	376.044	1.354	2.214	0.0	262.533	-256.533	50.000
1072.000	750.000	380.874	4.829	0.001	0.0	457.958	-451.958	50.000
1113.000	135.000	373.577	0.0	0.001	0.0	6.000	0.0	41.000
1113.000	260.000	376.647	3.070	1.956	0.0	287.781	-281.781	41.000
1113.000	420.000	377.264	0.617	1.219	0.0	312.963	-306.963	41.000
1113.000	750.000	380.918	3.655	0.045	0.0	460.039	-454.039	41.000
1163.000	135.000	374.805	0.0	1.228	0.0	180.055	0.0	50.000
1163.000	260.000	376.653	1.848	0.006	0.0	264.417	-84.362	50.000
1163.000	420.000	377.271	0.619	0.007	0.0	289.108	-109.052	50.000
1163.000	750.000	380.920	3.648	0.001	0.0	433.098	-253.042	50.000
1463.000	120.000	375.034	0.0	0.230	0.0	186.522	0.0	300.000
1463.000	240.000	376.696	1.662	0.044	0.0	322.979	-136.457	300.000
1463.000	320.000	377.319	0.622	0.047	0.0	350.158	-163.636	300.000
1463.000	500.000	380.929	3.610	0.009	0.0	458.074	-271.552	300.000
1513.000	120.000	374.710	0.0	-0.324	0.0	10.000	0.0	50.000

1513.000	240.000	376.706	1.996	0.010	0.0	323.568	-313.568	50.000	
1513.000	320.000	377.326	0.620	0.007	0.0	350.379	-340.379	50.000	
1513.000	500.000	380.929	3.603	0.001	0.0	458.113	-448.113	50.000	
1598.000	120.000	374.711	0.0	0.001	0.0	10.000	0.0	85.000	
1598.000	240.000	378.555	3.844	1.848	0.0	10.000	0.0	85.000	
1598.000	320.000	380.881	2.326	3.555	0.0	10.000	0.0	85.000	
1598.000	500.000	390.112	9.231	9.183	0.0	10.000	0.0	85.000	
1648.000	120.000	375.695	0.0	0.984	0.0	227.900	0.0	50.000	
1648.000	240.000	378.885	3.190	0.331	0.0	390.905	-163.005	50.000	
1648.000	320.000	381.168	2.283	0.288	0.0	459.145	-231.244	50.000	
1648.000	500.000	390.259	9.091	0.147	0.0	735.001	-507.101	50.000	

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	2.136	0.0
2	0.0	0.0	4.135	1.999
3	0.0	0.0	5.170	3.034
4	0.0	0.0	8.649	6.513



PROGRAMMER=WANG ACCOUNT=RTI.A25.P04503

JOB TURN-AROUND			JOB PARAMETERS			TIME USED INCLUDES			MISC. JOB VALUES	
	DATE	TIME		SPECIFIED	USED		NO.	EQUIVALENT		
ENTERED	11/08/76	16:54:55.5	TIME	1:00.0	0:10.6	CPU		0:02.0	LINES IN	102
EXECUTED	11/08/76	18:23:34.7	PAGES	100	15	UR EXCPS	897	0:03.6	LINES OUT	725
RETURNED	11/09/76	9:46:13.3	CARDS	0	0	DISK EXCPS	246	0:04.9	MEMORY TIME	5280 K-SEC
JOB ENTERED ON MONDAY			PLOTS	0	0	TAPE READ-WRITE		0:00.0	PRIORITY	00
						TAPE FILE SEARCH		0:00.0	APPROX. COST	$2.56

JOB CONSOLE LOG

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N 16.55.53 JOB  477 -- SURPRO   -- JCL INTERPRETED
N 18.23.34 JOB  477 -- SURPRO   -- BEGINNING EXEC - INIT 5 - CLASS
L*18.23.34 JOB  477 ++++++S=068,T=01,J=SURPRO   18:23:34 WANG
N 18.23.50 JOB  477 END EXECUTION.
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//SURPRO JOB RTI.A25.P04503,WANG,M=1,T=1,P=100,PRTY=0
      ***PROCLIB=RTI.PROCLIB
// EXEC SURPRO
      XXG EXEC PGM=SURPRO,R=500K                                          00000010
      XXSTEPLIB DD DSN=RTI.A25.P04503.JCW.LIB.LOAD,DISP=SHR               00000020
      XXFT03F001 DD SYSOUT=A                                              00000030
      XXFT01F001 DD DDNAME=SYSIN                                          00000040
      XXFT10F001 DD DSN=&I6,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000050
      XX DCB=(RECFM=FB,LRECL=133,BLKSIZE=6384)                            00000060
      XXFT11F001 DD DSN=&I7,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000070
      XX DCB=(RECFM=FB,LRECL=133,BLKSIZE=6384)                            00000080
      XXFT12F001 DD DSN=&I8,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000090
      XX DCB=(RECFM=FB,LRECL=133,BLKSIZE=6384)                            00000100
      XXFT13F001 DD DSN=&I9,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000110
      XX DCB=(RECFM=FB,LRECL=133,BLKSIZE=6384)                            00000120
//SYSIN DD *
//
         IEF236I ALLOC. FOR SURPRO   G
         IEF237I 17F   ALLOCATED TO STEPLIB
         IEF237I 566   ALLOCATED TO FT03F001
         IEF237I 502   ALLOCATED TO FT01F001
         IEF237I 171   ALLOCATED TO FT10F001
         IEF237I 153   ALLOCATED TO FT11F001
         IEF237I 171   ALLOCATED TO FT12F001
         IEF237I 153   ALLOCATED TO FT13F001
IEF142I - STEP WAS EXECUTED - COND CODE 0000
         IEF285I   RTI.A25.P04503.JCW.LIB.LOAD                KEPT
         IEF285I   VOL SER NOS= RTI222.
         IEF285I   SYS76313.T165553.RV001.SURPRO.I6           DELETED
         IEF285I   VOL SER NOS= SPARE9.
         IEF285I   SYS76313.T165553.RV001.SURPRO.I7           DELETED
         IEF285I   VOL SER NOS= SPARE8.
         IEF285I   SYS76313.T165553.RV001.SURPRO.I8           DELETED
         IEF285I   VOL SER NOS= SPARE9.
         IEF285I   SYS76313.T165553.RV001.SURPRO.I9           DELETED
         IEF285I   VOL SER NOS= SPARE8.
G        CORE=500K TIME---0:09.1    UR---855  RD/WR---0:00.0    RC-----0
G        USED=292K CPU---0:02.1  DISK---222  REWND---0:00.0
G                  I/O---0:07.0  TAPE-----0  FL SR---0:00.0

SURPRO   TIME---0:09.1
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**********************************************
HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
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T1      TRIB 4 BASIN 24
T2      FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3      100 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        -1.       4.        0.        0.  0.008600       0.0       0.0       0.   375.000       0.0

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
    -1.000        0.0  -1.000         0.0       0.0       0.0       0.0       0.0       0.0       0.0

J3      1.000    34.000     3.000     4.000    27.000    28.000    26.000     0.0       0.0       0.0
NC      0.085     0.085     0.060     0.100     0.300     0.0       0.0       0.0       0.0       0.0
QT      5.000   150.000   300.000   500.000   930.000   500.000     0.0       0.0       0.0       0.0
ET      0.0       0.0       0.0       0.0       0.0     7.100  1045.000  1095.000     0.0       0.0

X1    650.000    16.000  1075.000  1089.000   650.000   650.000   650.000     0.0      -0.400     0.0
GR    384.600   800.000   379.800   900.000   378.700   923.000   375.800   935.000   372.300  1000.000
GR    369.800  1038.000   368.900  1075.000   367.100  1078.000   366.200  1083.000   367.100  1088.000
GR    369.100  1089.000   368.600  1100.000   377.000  1200.000   378.500  1300.000   379.000  1344.000
GR    385.100  1369.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
ET      5.000     0.0       0.0       0.0       0.0    -10.400      0.0       0.0       0.0       0.0

X1    700.000    20.000  1089.000  1097.000    50.000    50.000    50.000     0.0       0.0       0.0
X3     10.000     0.0       0.0       0.0       0.0       0.0       0.0     372.000   372.000     0.0
GR    390.300   800.000   384.600   810.000   379.800   910.000   378.700   933.000   375.800   945.000
GR    372.300  1010.000   369.800  1048.000   368.900  1085.000   367.100  1089.000   366.000  1089.000
GR    366.000  1097.000   367.100  1097.000   369.100  1099.000   368.600  1110.000   377.000  1210.000
GR    378.500  1310.000   379.000  1354.000   382.100  1367.000   381.600  1400.000   381.000  1431.000
SB      0.900     1.500     2.500     0.0       8.000     0.001    48.000     0.0       0.0       0.0

X1    772.000     0.0       0.0       0.0      72.000    72.000    72.000     0.0       0.0       0.0
X2      0.0       0.0       1.000   372.000   381.000     0.0       0.0       0.0       0.0       0.0
X3     10.000     0.0       0.0       0.0       0.0       0.0       0.0     385.900   385.800     0.0
BT      9.000   800.000   390.300     0.0    1000.000   387.300     0.0     1089.000   385.900   372.000
BT   1097.000   385.800   372.000  1100.000   385.800     0.0    1200.000   384.500     0.0    1300.000
BT    383.100     0.0    1400.000   381.600     0.0    1431.000   381.000     0.0       0.0       0.0

X1    822.000    16.000  1075.000  1089.000   50.000    50.000    50.000     0.0       0.0       0.0
GR    384.600   800.000   379.800   900.000   378.700   923.000   375.800   935.000   372.300  1000.000
GR    369.800  1038.000   368.900  1075.000   367.100  1078.000   366.200  1083.000   367.100  1088.000
GR    369.100  1089.000   368.600  1100.000   377.000  1200.000   378.500  1300.000   379.000  1344.000
GR    385.100  1369.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
QT      5.000   135.000   260.000   420.000   750.000   420.000     0.0       0.0       0.0       0.0
ET      0.0       0.0       0.0       0.0       0.0     7.100  1387.000  1437.000     0.0       0.0

X1   1022.000    14.000  1400.000  1414.000   200.000   200.000   200.000     0.0       0.0       0.0
GR    389.200  1096.000   388.700  1100.000   379.600  1200.000   375.700  1300.000   371.800  1400.000
GR    370.600  1405.000   369.400  1408.000   370.300  1411.000   371.500  1414.000   372.800  1500.000
GR    374.000  1550.000   377.500  1600.000   384.500  1700.000   387.600  1750.000     0.0       0.0
```

ET	5.000	0.0	0.0	0.0	0.0	-30.400	0.0	0.0	0.0	0.0
X1	1072.000	17.000	1394.000	1400.000	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.000	376.000	0.0
GR	389.600	1000.000	384.400	1100.000	380.500	1185.000	380.200	1189.000	376.300	1289.000
GR	373.000	1394.000	370.800	1395.000	370.200	1396.000	370.000	1397.000	370.200	1398.000
GR	370.800	1399.000	373.000	1400.000	374.600	1539.000	378.100	1589.000	379.800	1610.000
GR	383.700	1700.000	388.900	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.001	28.300	0.0	0.0	0.0
X1	1113.000	0.0	0.0	0.0	41.000	41.000	41.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	376.000	376.600	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.600	376.600	0.0
BT	15.000	1000.000	389.600	0.0	1100.000	384.400	0.0	1200.000	379.800	0.0
BT	1300.000	377.000	0.0	1394.000	376.600	373.000	1395.000	376.600	375.300	1396.000
BT	376.600	375.800	1397.000	376.600	376.000	1398.000	376.600	375.800	1399.000	376.600
BT	375.300	1400.000	376.600	373.000	1500.000	376.700	0.0	1600.000	379.200	0.0
BT	1700.000	383.700	0.0	1800.000	388.900	0.0	0.0	0.0	0.0	0.0
X1	1163.000	14.000	1400.000	1414.000	50.000	50.000	50.000	0.0	1.200	0.0
GR	389.200	1096.000	388.700	1100.000	379.600	1200.000	375.700	1300.000	371.800	1400.000
GR	370.600	1405.000	369.400	1408.000	370.300	1411.000	371.500	1414.000	372.800	1500.000
GR	374.000	1550.000	377.500	1600.000	384.500	1700.000	387.600	1750.000	0.0	0.0
QT	5.000	120.000	240.000	320.000	500.000	320.000	0.0	0.0	0.0	0.0
X1	1463.000	16.000	1119.000	1128.000	300.000	300.000	300.000	0.0	0.0	0.0
GR	387.800	615.000	384.500	700.000	382.600	800.000	377.100	892.000	376.800	900.000
GR	375.300	1000.000	374.100	1100.000	373.800	1119.000	373.100	1120.000	372.100	1123.000
GR	373.100	1126.000	373.900	1128.000	373.600	1198.000	374.400	1200.000	382.000	1300.000
GR	385.200	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1513.000	21.000	1098.000	1108.000	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	376.200	376.200	0.0
GR	394.800	413.000	387.800	595.000	384.500	680.000	382.600	780.000	377.100	872.000
GR	376.800	880.000	375.300	980.000	374.200	1098.000	372.400	1099.000	372.200	1100.000
GR	372.400	1101.000	374.200	1102.000	374.200	1104.000	372.400	1105.000	372.200	1106.000
GR	372.400	1107.000	374.200	1108.000	374.400	1180.000	382.000	1280.000	385.200	1330.000
GR	395.000	1483.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.001	25.000	0.0	0.0	0.0
X1	1598.000	0.0	0.0	0.0	85.000	85.000	85.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	376.200	394.600	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	394.600	394.600	0.0
BT	14.000	413.000	394.800	0.0	1000.000	394.800	0.0	1098.000	394.600	374.200
BT	1099.000	394.600	376.000	1100.000	394.600	376.200	1101.000	394.600	376.000	1102.000
BT	394.600	374.200	1104.000	394.600	374.200	1105.000	394.600	376.000	1106.000	394.600
BT	376.200	1107.000	394.600	376.000	1108.000	394.600	374.200	1200.000	395.000	0.0
BT	1483.000	395.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1648.000	16.000	1119.000	1128.000	50.000	50.000	50.000	0.0	0.200	0.0
GR	387.800	615.000	384.500	700.000	382.600	800.000	377.100	892.000	376.800	900.000
GR	375.300	1000.000	374.100	1100.000	373.800	1119.000	373.100	1120.000	372.100	1123.000
GR	373.100	1126.000	373.900	1128.000	373.600	1198.000	374.400	1200.000	382.000	1300.000
GR	385.200	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
650.00	650.00	0.0	0.0	365.80	500.00	370.43	54.27	370.68	104.25	0.0	0.0	5.10
700.00	50.00	0.0	0.0	366.00	500.00	370.93	19.47	373.43	8.00	0.0	0.0	12.67
772.00	72.00	381.00	372.00	366.00	500.00	371.31	21.63	373.46	8.00	0.0	0.0	11.77
822.00	50.00	0.0	0.0	366.20	500.00	373.72	264.96	373.73	187.17	0.0	0.0	1.52
1022.00	200.00	0.0	0.0	369.40	420.00	373.83	71.25	373.90	194.93	0.0	0.0	3.09
1072.00	50.00	0.0	0.0	370.00	420.00	376.04	147.23	376.06	262.53	0.0	0.0	1.60
1113.00	41.00	376.60	376.00	370.00	420.00	377.26	321.35	377.27	312.96	0.0	0.0	0.84
1163.00	50.00	0.0	0.0	370.60	420.00	377.27	325.35	377.28	289.11	0.0	0.0	0.96
1463.00	300.00	0.0	0.0	372.10	320.00	377.32	281.28	377.32	350.16	0.0	0.0	0.72
1513.00	50.00	0.0	0.0	372.20	320.00	377.33	241.01	377.33	350.38	0.0	0.0	0.68
1598.00	85.00	394.60	376.20	372.20	320.00	380.88	46.65	381.14	10.00	0.0	0.0	4.10
1648.00	50.00	0.0	0.0	372.30	320.00	381.17	1271.76	381.17	459.14	0.0	0.0	0.24

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
650.000	500.000	370.431	0.0	0.0	0.0	104.247	0.0	650.000
700.000	500.000	370.931	0.0	0.500	0.0	8.000	0.0	50.000
772.000	500.000	371.307	0.0	0.375	0.0	8.000	0.0	72.000
822.000	500.000	373.716	0.0	2.410	0.0	187.174	0.0	50.000
1022.000	420.000	373.831	0.0	0.114	0.0	194.933	0.0	200.000
1072.000	420.000	376.044	0.0	2.214	0.0	262.533	0.0	50.000
1113.000	420.000	377.264	0.0	1.219	0.0	312.963	0.0	41.000
1163.000	420.000	377.271	0.0	0.007	0.0	289.108	0.0	50.000
1463.000	320.000	377.319	0.0	0.047	0.0	350.158	0.0	300.000
1513.000	320.000	377.326	0.0	0.007	0.0	350.379	0.0	50.000
1598.000	320.000	380.881	0.0	3.555	0.0	10.000	0.0	85.000
1648.000	320.000	381.168	0.0	0.288	0.0	459.145	0.0	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH

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                                        AREA-ACRES    AREA-DIFF
          1        0.0          0.0          5.170        0.0


    ****************************************
    HEC2 VERSION UPDATED JAN 1975
    ERROR CORRECTIONS 01,02,03,04,05,06,07,08
    MODIFICATIONS 52,53,54,55,56,57,58
    ****************************************


    T1       TRIB 4 BASIN 24
    T2       FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
    T3       100 YEAR FLOODWAY

    J1  ICHECK     INQ        NINV       IDIR       STRT       METRIC     HVINS      Q          WSEL       FQ
         -10.        6.         0.         0.  0.0             0.0        0.0         0.    371.430      0.0

    J2  NPROF      IPLOT      PRFVS      XSECV      XSECH      FN         ALLDC      IBW        CHNIM      ITRACE
        15.000      0.0       -1.000      0.0        0.0        0.0        0.0        0.0        0.0        0.0

    CCHV=   0.100 CEHV=   0.300
       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


    3470 ENCROACHMENT STATIONS=     1045.0     1095.0  TYPE=      1  TARGET=       50.000
      650.00       5.63     371.43       0.0     371.43     371.63       0.20        0.0         0.0      368.50
       500.        169.       290.        41.      77.         67.         17.         0.          0.       368.70
         0.0       2.20       4.33       2.36     0.085      0.060       0.085       0.0       365.80     1045.00
    0.004491       650.       650.       650.        0          0           1         0.0        50.00     1095.00


    IHC209I IBCOM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS  FF85000F420C0A7C . REGISTER CONTAINED   0000000000000000

    TRACEBACK  ROUTINE  CALLED FROM ISN    REG.  14    REG.  15    REG.   0    REG.   1

                  MAIN                      0001BEEA    010B9BC0    FD000008    00135FF8

    ENTRY POINT=  010B9BC0

    STANDARD FIXUP TAKEN , EXECUTION CONTINUING
     2800 NAT Q1=      19.47  WSEL=     370.93  ENC Q1=      25.29  WSEL=     371.93  RATIO= -0.2992
     NAT Q1=      25.  RATIOS LOB,CH,ROB=  0.0      1.0000  0.0      WSEL=     371.93
    3685 20 TRIALS USED WSEL,CWSEL

    7185 MIN SPECIFIC ENERGY


    5720 ASSUMED CRITICAL DEPTH

       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
```

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
650.00	650.00	0.0	0.0	365.80	500.00	370.43	54.27	370.68	104.25	0.0	0.0	5.10
650.00	650.00	0.0	0.0	365.80	500.00	371.43	74.61	371.63	50.00	1045.00	1095.00	4.33
700.00	50.00	0.0	0.0	366.00	500.00	370.93	19.47	373.43	8.00	0.0	0.0	12.67
700.00	50.00	0.0	0.0	366.00	500.00	370.93	19.48	373.43	8.00	1089.00	1097.00	12.67
772.00	72.00	381.00	372.00	366.00	500.00	371.31	21.63	373.46	8.00	0.0	0.0	11.77
772.00	72.00	381.00	372.00	366.00	500.00	372.31	27.56	373.83	8.00	0.0	0.0	9.91
822.00	50.00	0.0	0.0	366.20	500.00	373.72	264.96	373.73	187.17	0.0	0.0	1.52
822.00	50.00	0.0	0.0	366.20	500.00	374.02	246.38	374.05	88.61	1039.78	1128.40	1.69
1022.00	200.00	0.0	0.0	369.40	420.00	373.83	71.25	373.90	194.93	0.0	0.0	3.09
1022.00	200.00	0.0	0.0	369.40	420.00	374.09	51.95	374.29	50.00	1387.00	1437.00	4.46
1072.00	50.00	0.0	0.0	370.00	420.00	376.04	147.23	376.06	262.53	0.0	0.0	1.60
1072.00	50.00	0.0	0.0	370.00	420.00	376.07	62.54	376.20	50.55	1375.06	1425.61	3.77
1113.00	41.00	0.0	0.0	370.00	420.00	377.26	321.35	377.27	312.96	0.0	0.0	0.84
1113.00	41.00	0.0	0.0	370.00	420.00	377.29	156.27	377.32	82.92	1360.80	1443.72	1.74
1163.00	50.00	0.0	0.0	370.60	420.00	377.27	325.35	377.28	289.11	0.0	0.0	0.96
1163.00	50.00	0.0	0.0	370.60	420.00	377.32	162.59	377.35	70.12	1374.68	1444.80	1.93
1463.00	300.00	0.0	0.0	372.10	320.00	377.32	281.28	377.32	350.16	0.0	0.0	0.72
1463.00	300.00	0.0	0.0	372.10	320.00	377.54	114.30	377.57	69.70	1079.10	1148.80	1.84
1513.00	50.00	0.0	0.0	372.20	320.00	377.33	241.01	377.33	350.38	0.0	0.0	0.68
1513.00	50.00	0.0	0.0	372.20	320.00	377.58	97.20	377.61	68.66	1058.83	1127.50	1.75
1598.00	85.00	0.0	0.0	372.20	320.00	380.88	46.65	381.14	10.00	0.0	0.0	4.10
1598.00	85.00	0.0	0.0	372.20	320.00	381.14	48.53	381.38	10.00	1098.00	1108.00	3.97
1648.00	50.00	0.0	0.0	372.30	320.00	381.17	1271.76	381.17	459.14	104 0.0	1123 0.0	0.24
1648.00	50.00	0.0	0.0	372.30	320.00	381.41	740.35	381.41	159.10	1018.85	1177.94	0.42

	SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
	650.000	500.000	370.431	0.0	0.0	0.0	104.247	0.0	650.000
A	650.000	500.000	371.430	0.999	0.0	0.0	49.999	54.248	650.000
	700.000	500.000	370.931	0.0	0.500	0.0	8.000	0.0	50.000
	700.000	500.000	370.935	0.003	-0.495	0.0	8.000	0.0	50.000
	772.000	500.000	371.307	0.0	0.375	0.0	8.000	0.0	72.000
	772.000	500.000	372.306	1.000	1.372	0.0	8.000	0.0	72.000
	822.000	500.000	373.716	0.0	2.410	0.0	187.174	0.0	50.000
	822.000	500.000	374.023	0.307	1.717	0.0	88.612	98.562	50.000
B	1022.000	420.000	373.831	0.0	0.114	0.0	194.933	0.0	200.000
	1022.000	420.000	374.086	0.255	0.063	0.0	49.999	144.934	200.000

	1072.000	420.000	376.044	0.0	2.214	0.0	262.533	0.0	50.000
	1072.000	420.000	376.071	0.027	1.985	0.0	50.548	211.985	50.000
	1113.000	420.000	377.264	0.0	1.219	0.0	312.963	0.0	41.000
	1113.000	420.000	377.290	0.026	1.219	0.0	82.916	230.048	41.000
C	1163.000	420.000	377.271	0.0	0.007	0.0	289.108	0.0	50.000
	1163.000	420.000	377.318	0.047	0.028	0.0	70.118	218.990	50.000
D	1463.000	320.000	377.319	0.0	0.047	0.0	350.158	0.0	300.000
	1463.000	320.000	377.540	0.221	0.221	0.0	69.702	280.457	300.000
	1513.000	320.000	377.326	0.0	0.007	0.0	350.379	0.0	50.000
	1513.000	320.000	377.583	0.258	0.044	0.0	68.664	281.715	50.000
	1598.000	320.000	380.881	0.0	3.555	0.0	10.000	0.0	85.000
	1598.000	320.000	381.138	0.258	3.555	0.0	10.000	0.0	85.000
E	1648.000	320.000	381.168	0.0	0.288	0.0	459.145	0.0	50.000
	1648.000	320.000	381.409	0.241	0.271	0.0	159.096	300.049	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	5.170	0.0
2	4.000	0.526	1.363	-3.807