

NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1375.000 13.000 1672.000 1696.000 50.000 50.000 50.000 0.0 0.0 0.0
 GR 661.700 1632.000 658.100 1672.000 656.400 1675.000 655.100 1684.000 656.200 1693.000
 GR 657.400 1696.000 658.000 1700.000 656.900 1800.000 656.500 1900.000 656.500 2000.000
 GR 658.200 2100.000 669.200 2200.000 674.400 2225.000 0.0 0.0 0.0 0.0
 QT 5.000 1230.000 2120.000 2550.000 3820.000 2550.000 0.0 0.0 0.0 0.0

X1 3000.000 14.000 1471.000 1489.000 1625.000 1625.000 1625.000 0.0 0.0 0.0
 GR 681.600 1000.000 676.900 1050.000 674.400 1100.000 665.800 1200.000 663.600 1300.000
 GR 664.200 1400.000 665.700 1471.000 662.500 1472.000 660.800 1481.000 662.700 1487.000
 GR 665.800 1489.000 664.900 1500.000 664.900 1600.000 681.700 1690.000 0.0 0.0
 QT 5.000 1120.000 1990.000 2490.000 3480.000 2490.000 0.0 0.0 0.0 0.0

X1 5125.000 14.000 1400.000 1415.000 2125.000 2125.000 2125.000 0.0 0.0 0.0
 GR 687.600 1000.000 676.200 1100.000 669.600 1187.000 669.800 1200.000 670.900 1300.000
 GR 671.800 1400.000 669.400 1401.000 666.400 1408.000 669.200 1414.000 671.900 1415.000
 GR 670.900 1500.000 673.300 1585.000 676.400 1600.000 687.500 1700.000 0.0 0.0
 QT 5.000 1110.000 1980.000 2480.000 3470.000 2480.000 0.0 0.0 0.0 0.0

X1 6465.000 11.000 1133.000 1158.000 1340.000 1340.000 1340.000 0.0 0.0 0.0
 GR 693.000 1000.000 678.200 1100.000 678.200 1133.000 75.200 1135.000 674.000 1145.000
 GR 675.600 1156.000 677.900 1158.000 677.000 1200.000 677.400 1223.000 688.800 1300.000
 GR 694.600 1350.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.060 0.060 0.040 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 6565.000 30.000 2369.000 2426.000 100.000 100.000 100.000 0.0 0.0 0.0
 GR 701.800 1000.000 697.000 1100.000 693.700 1200.000 691.800 1300.000 691.800 1500.000
 GR 692.600 1600.000 695.000 1800.000 694.300 1900.000 692.900 2000.000 691.300 2100.000
 GR 688.600 2200.000 686.300 2300.000 685.800 2369.000 679.900 2369.000 679.500 2371.000
 GR 678.700 2371.100 678.700 2374.000 679.400 2375.000 679.300 2387.000 678.000 2397.000
 GR 675.500 2399.000 675.300 2413.000 675.400 2423.900 677.300 2424.000 677.300 2426.000
 GR 685.800 2426.000 685.500 2500.000 688.700 2600.000 694.100 2700.000 700.800 2820.000
 SB 1.050 1.500 2.500 0.0 57.000 1.000 358.000 0.0 0.0 0.0

RDNO NCSR 1841 MXLCEL 683.6 RDELV 685.8

X1 6585.000 0.0 0.0 0.0 20.000 20.000 20.000 0.0 0.0 0.0
 X2 0.0 0.0 1.000 683.900 685.500 0.0 0.0 0.0 0.0 0.0
 BT 20.000 1000.000 701.800 0.0 1100.000 697.000 0.0 1200.000 693.700 0.0
 BT 1300.000 691.800 0.0 1500.000 691.800 0.0 1600.000 692.600 0.0 1800.000
 BT 695.000 0.0 1900.000 694.300 0.0 2000.000 692.900 0.0 2100.000 691.300
 BT 0.0 2200.000 688.600 0.0 2300.000 686.800 0.0 2369.000 685.800 683.900
 BT 2386.900 685.800 683.900 2387.000 685.800 683.600 2426.000 685.800 683.600 2500.000
 BT 685.500 0.0 2600.000 688.700 0.0 2700.000 694.100 0.0 2820.000 700.800
 BT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 6685.000 11.000 1133.000 1158.000 100.000 100.000 100.000 0.0 2.600 0.0
 GR 693.000 1000.000 678.200 1100.000 678.200 1133.000 675.200 1135.000 674.000 1145.000
 GR 675.600 1156.000 677.900 1158.000 677.000 1200.000 677.400 1223.000 688.800 1300.000
 GR 694.600 1350.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 QT 5.000 1020.000 1800.000 2170.000 3220.000 2170.000 0.0 0.0 0.0 0.0

X1 8955.000 12.000 1135.000 1158.000 2270.000 2270.000 2270.000 0.0 0.0 0.0
 GR 707.500 1000.000 695.100 1100.000 691.500 1130.000 691.700 1135.000 688.800 1137.000
 GR 687.400 1146.000 689.000 1153.000 691.900 1158.000 694.700 1200.000 696.000 1275.000
 GR 700.300 1300.000 707.200 1384.000 0.0 0.0 0.0 0.0 0.0 0.0

NC 0.060 0.060 0.040 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1	9155.000	17.000	1386.000	1424.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	712.900	1000.000	705.000	1100.000	700.200	1161.000	700.500	1200.000	696.200	1300.000
GR	698.300	1386.000	694.100	1386.000	693.600	1397.000	690.300	1399.000	690.300	1405.000
GR	691.300	1416.000	694.100	1419.000	694.600	1424.000	698.300	1424.000	699.000	1500.000
GR	708.000	1600.000	712.500	1647.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	38.000	0.010	164.000	0.0	0.0	0.0

RDN0 BRIDGE MXLCEL 696.6 RDELV 698.3

X1	9166.000	0.0	0.0	0.0	11.000	11.000	11.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	696.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	712.900	0.0	1100.000	705.000	0.0	1161.000	700.200	0.0
BT	1200.000	700.500	0.0	1300.000	696.700	0.0	1386.000	698.300	696.600	1424.000
BT	698.300	696.600	1500.000	699.000	0.0	1600.000	708.000	0.0	1647.000	712.500
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	9366.000	12.000	1135.000	1158.000	200.000	200.000	200.000	0.0	5.800	0.0
GR	707.500	1000.000	695.100	1100.000	691.500	1130.000	691.700	1135.000	688.800	1137.000
GR	687.400	1146.000	689.000	1153.000	691.900	1158.000	694.700	1200.000	696.000	1275.000
GR	700.300	1300.000	707.200	1384.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	950.000	1720.000	2080.000	3030.000	2080.000	0.0	0.0	0.0	0.0

X1	12700.000	14.000	1232.000	1255.000	3334.000	3334.000	3334.000	0.0	0.0	0.0
GR	721.400	1000.000	707.000	1100.000	706.200	1200.000	706.000	1232.000	702.200	1238.000
GR	701.500	1243.000	702.500	1249.000	706.700	1255.000	706.700	1300.000	705.600	1400.000
GR	704.900	1500.000	701.600	1600.000	715.700	1700.000	721.500	1776.000	0.0	0.0
QT	5.000	650.000	1220.000	1490.000	2190.000	1490.000	0.0	0.0	0.0	0.0

X1	15675.000	12.000	1269.000	1281.000	2975.000	2975.000	2975.000	0.0	0.0	0.0
GR	732.700	1000.000	723.200	1100.000	719.000	1200.000	719.300	1269.000	714.300	1271.000
GR	713.100	1275.000	714.700	1279.000	718.000	1281.000	718.200	1300.000	719.600	1396.000
GR	720.000	1400.000	732.700	1448.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	640.000	1200.000	1460.000	2120.000	1460.000	0.0	0.0	0.0	0.0

X1	16615.000	10.000	1155.000	1170.000	940.000	940.000	940.000	0.0	0.0	0.0
GR	743.300	1000.000	727.200	1100.000	724.900	1155.000	721.500	1158.000	720.800	1163.000
GR	721.900	1168.000	725.400	1170.000	729.600	1200.000	738.500	1300.000	743.300	1388.000
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	16665.000	17.000	1301.000	1340.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	749.000	1000.000	743.500	1100.000	737.600	1200.000	733.800	1300.000	733.800	1301.000
GR	728.800	1301.000	725.700	1310.000	721.700	1315.000	721.200	1320.000	722.000	1326.000
GR	723.800	1329.000	730.800	1340.000	733.800	1340.000	736.300	1400.000	740.600	1500.000
GR	744.200	1600.000	749.000	1700.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	39.000	0.010	267.000	0.0	0.0	0.0

RDN0 NCSR 1836 MXLCEL 731.7 RDELV 733.8

X1	16685.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	731.700	733.800	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	749.000	0.0	1100.000	743.500	0.0	1200.000	737.600	0.0
BT	1300.000	733.800	0.0	1301.000	733.800	731.700	1340.000	733.800	731.700	1400.000
BT	736.300	0.0	1500.000	740.600	0.0	1600.000	744.200	0.0	1700.000	749.000
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 DAVIDSON COUNTY BASIN I STRM 33 TINKERS CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.007000	0.0	0.0	0.	654.000	0.0
J2	NPROF	IPLT	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

*PROF 2

CCHV= 0.100 CEHV= 0.300
 *SECNO 1250.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1250.00	3.34	658.34	0.0	654.00	658.57	0.22	0.0	0.0	658.00
2120.	0.	364.	1756.	1.	58.	530.	0.	0.	657.30
0.0	0.70	6.28	3.03	0.055	0.035	0.055	0.0	655.00	1668.19
0.007090	1250.	1250.	1250.	0	0	5	0.0	434.01	2102.21

CCHV= 0.100 CEHV= 0.300
 *SECNO 1300.000

3301 HV CHANGED MORE THAN HVINS

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

1300.00	6.72	658.42	658.42	0.0	660.71	2.29	0.52	0.62	666.00
2120.	0.	2120.	0.	0.	174.	0.	0.	0.	665.80
0.00	0.0	12.15	0.0	0.060	0.040	0.060	0.039	651.70	1905.00
0.016648	50.	50.	50.	20	17	0	0.0	38.89	1943.89

SPECIAL BRIDGE

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 DAVIDSON COUNTY BASIN I STRM 33 TINKERS CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.007000	0.0	0.0	0.	656.000	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

*PROF 3

CCHV= 0.100 CEHV= 0.300
 *SECNO 1250.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1250.00	3.54	658.54	0.0	656.00	658.78	0.24	0.0	0.0	658.00
2550.	2.	411.	2137.	2.	63.	660.	0.	0.	657.30
0.0	0.94	6.57	3.24	0.055	0.035	0.055	0.0	655.00	1666.02
0.006994	1250.	1250.	1250.	0	0	6	0.0	437.97	2103.98

CCHV= 0.100 CEHV= 0.300
 *SECNO 1300.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

1300.00	7.31	659.01	659.01	0.0	661.60	2.59	0.51	0.70	666.00
2550.	0.	2550.	0.	0.	197.	0.	1.	0.	665.80
0.00	0.0	12.92	0.0	0.060	0.040	0.060	0.039	651.70	1905.00
0.016584	50.	50.	50.	20	17	0	0.0	39.00	1944.00

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51,52

T1 DAVIDSON COUNTY BASIN I STRM 33 TINKERS CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.007000	0.0	0.0	0.	657.000	0.0
J2	NPROF	IPLT	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

*PROF 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 1250.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1250.00	4.03	659.03	0.0	657.00	659.34	0.31	0.0	0.0	658.00
3820.	8.	548.	3264.	6.	74.	860.	0.	0.	657.30
0.0	1.44	7.37	3.80	0.055	0.035	0.055	0.0	655.00	1660.60
0.007001	1250.	1250.	1250.	0	0	4	0.0	447.81	2108.42

CCHV= 0.100 CEHV= 0.300
 *SECNO 1300.000

3301 HV CHANGED MORE THAN HVINS

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

1300.00	8.89	660.59	660.59	0.0	663.97	3.38	0.51	0.92	666.00
3820.	0.	3820.	0.	0.	259.	0.	1.	0.	665.80
0.00	0.0	14.75	0.0	0.060	0.040	0.060	0.039	651.70	1905.00
0.016485	50.	50.	50.	20	17	0	0.0	39.00	1944.00

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1250.000	1250.00	0.0	0.0	1230.00	655.00	657.88	0.0	5.45	1672.21	2087.08	441.44	0.0
1250.000	1250.00	0.0	0.0	2120.00	655.00	658.34	0.0	6.28	1668.19	2102.21	638.75	0.46
1250.000	1250.00	0.0	0.0	2550.00	655.00	658.54	0.0	6.57	1666.02	2103.98	724.06	0.20
1250.000	1250.00	0.0	0.0	3820.00	655.00	659.03	0.0	7.37	1660.60	2108.42	939.96	0.49
	1300.000	50.00	0.0	1230.00	651.70	657.61	0.0	8.55	1906.75	1942.79	143.79	0.0
*	1300.000	50.00	0.0	2120.00	651.70	658.42	658.42	12.15	1905.00	1943.89	174.48	0.81
*	1300.000	50.00	0.0	2550.00	651.70	659.01	659.01	12.92	1905.00	1944.00	197.34	0.59
*	1300.000	50.00	0.0	3820.00	651.70	660.59	660.59	14.75	1905.00	1944.00	258.97	1.58
	1325.000	25.00	664.30	1230.00	651.70	657.61	0.0	8.55	1906.75	1942.79	143.78	0.0
	1325.000	25.00	664.30	2120.00	651.70	658.43	0.0	12.14	1905.00	1943.90	174.63	0.82
	1325.000	25.00	664.30	2550.00	651.70	659.01	0.0	12.91	1905.00	1944.00	197.52	0.59
	1325.000	25.00	664.30	3820.00	651.70	660.59	0.0	14.74	1905.00	1944.00	259.22	1.58
1375.000	50.00	0.0	0.0	1230.00	655.10	658.93	0.0	2.65	1662.79	2106.62	852.04	0.0
1375.000	50.00	0.0	0.0	2120.00	655.10	660.96	0.0	2.03	1640.22	2125.09	1795.42	2.03
1375.000	50.00	0.0	0.0	2550.00	655.10	661.87	0.0	1.93	1632.00	2133.35	2243.78	0.91
1375.000	50.00	0.0	0.0	3820.00	655.10	664.30	0.0	1.82	1632.00	2155.47	3490.59	2.43
*	3000.000	1625.00	0.0	1230.00	660.80	665.36	665.36	7.81	1220.05	1602.46	354.26	0.0
*	3000.000	1625.00	0.0	2120.00	660.80	665.71	665.71	9.70	1204.16	1604.33	487.09	0.35
*	3000.000	1625.00	0.0	2550.00	660.80	665.91	665.91	9.80	1198.70	1605.42	569.25	0.20
*	3000.000	1625.00	0.0	3820.00	660.80	666.19	666.19	11.86	1195.44	1606.92	683.81	0.28
	5125.000	2125.00	0.0	1120.00	666.40	672.57	0.0	3.72	1147.81	1559.26	654.88	0.0
	5125.000	2125.00	0.0	1990.00	666.40	673.38	0.0	4.04	1137.03	1585.44	1007.39	0.81
	5125.000	2125.00	0.0	2490.00	666.40	673.69	0.0	4.35	1133.02	1586.91	1144.72	0.31
	5125.000	2125.00	0.0	3480.00	666.40	674.42	0.0	4.48	1123.37	1590.45	1481.64	0.73
*	6465.000	1340.00	0.0	1110.00	674.00	678.86	678.86	8.05	1095.55	1232.86	223.53	0.0
*	6465.000	1340.00	0.0	1980.00	674.00	679.66	679.66	9.06	1090.16	1238.24	337.27	0.80
*	6465.000	1340.00	0.0	2480.00	674.00	680.07	680.07	10.48	1087.38	1241.02	399.30	0.41
*	6465.000	1340.00	0.0	3470.00	674.00	680.53	680.53	12.43	1084.23	1244.17	472.52	0.47
	6565.000	100.00	0.0	1110.00	675.30	679.69	0.0	8.09	2369.00	2426.00	137.20	0.0
*	6565.000	100.00	0.0	1980.00	675.30	680.60	680.60	10.49	2369.00	2426.00	188.81	0.91
*	6565.000	100.00	0.0	2480.00	675.30	681.18	681.18	11.19	2369.00	2426.00	221.58	0.57
*	6565.000	100.00	0.0	3470.00	675.30	682.12	682.12	12.61	2369.00	2426.00	275.14	0.94

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
6585.000	20.00	685.50	683.90	1110.00	675.30	679.80	0.0	7.77	2369.00	2426.00	142.93	0.0
6585.000	20.00	685.50	683.90	1980.00	675.30	680.83	0.0	9.80	2369.00	2426.00	201.96	1.04
6585.000	20.00	685.50	683.90	2480.00	675.30	681.45	0.0	10.47	2369.00	2426.00	236.93	0.61
6585.000	20.00	685.50	683.90	3470.00	675.30	682.49	0.0	11.71	2369.00	2426.00	296.27	1.04
* 6685.000	100.00	0.0	0.0	1110.00	676.60	681.37	681.37	8.45	1096.16	1232.24	211.11	0.0
6685.000	100.00	0.0	0.0	1980.00	676.60	682.57	0.0	8.66	1087.99	1240.41	385.55	1.20
6685.000	100.00	0.0	0.0	2480.00	676.60	683.37	0.0	8.21	1082.60	1245.80	511.41	0.80
6685.000	100.00	0.0	0.0	3470.00	676.60	684.82	0.0	7.72	1072.83	1255.56	761.49	1.45
8955.000	2270.00	0.0	0.0	1020.00	687.40	693.97	0.0	7.43	1109.41	1189.06	187.69	0.0
8955.000	2270.00	0.0	0.0	1800.00	687.40	694.95	694.66	9.82	1101.17	1214.98	279.34	0.98
* 8955.000	2270.00	0.0	0.0	2170.00	687.40	695.25	695.25	10.84	1098.78	1231.77	315.27	0.30
* 8955.000	2270.00	0.0	0.0	3220.00	687.40	696.29	696.29	11.68	1090.42	1276.68	486.49	1.04
* 9155.000	200.00	0.0	0.0	1020.00	690.30	695.07	695.07	9.64	1386.00	1424.00	105.80	0.0
* 9155.000	200.00	0.0	0.0	1800.00	690.30	696.47	696.47	11.30	1293.72	1424.00	161.52	1.40
* 9155.000	200.00	0.0	0.0	2170.00	690.30	697.56	697.56	10.23	1268.42	1424.00	259.70	1.09
* 9155.000	200.00	0.0	0.0	3220.00	690.30	698.95	698.95	9.85	1235.95	1494.99	511.55	1.40
9166.000	11.00	696.70	696.60	1020.00	690.30	695.07	0.0	9.63	1386.00	1424.00	105.89	0.0
9166.000	11.00	696.70	696.60	1800.00	690.30	696.68	0.0	10.69	1288.59	1424.00	175.29	1.62
9166.000	11.00	696.70	696.60	2170.00	690.30	698.10	0.0	8.72	1255.64	1424.00	338.20	1.42
9166.000	11.00	696.70	696.60	3220.00	690.30	699.24	0.0	8.92	1229.23	1502.70	589.09	1.13
* 9366.000	200.00	0.0	0.0	1020.00	693.20	698.85	698.85	9.85	1117.08	1175.26	124.32	0.0
* 9366.000	200.00	0.0	0.0	1800.00	693.20	700.45	700.45	10.76	1103.73	1199.29	247.44	1.60
* 9366.000	200.00	0.0	0.0	2170.00	693.20	701.09	701.09	10.71	1098.48	1233.94	320.31	0.64
* 9366.000	200.00	0.0	0.0	3220.00	693.20	702.10	702.10	11.62	1090.30	1276.76	489.26	1.01
12700.000	3334.00	0.0	0.0	950.00	701.50	706.51	0.0	2.40	1160.88	1634.84	671.83	0.0
12700.000	3334.00	0.0	0.0	1720.00	701.50	707.47	0.0	2.73	1096.74	1641.63	1162.95	0.96
12700.000	3334.00	0.0	0.0	2080.00	701.50	707.79	0.0	2.38	1094.49	1643.92	1339.55	0.32
12700.000	3334.00	0.0	0.0	3030.00	701.50	708.61	0.0	3.11	1088.85	1649.68	1790.52	0.81
* 15675.000	2975.00	0.0	0.0	650.00	713.10	719.65	719.65	6.91	1184.54	1396.50	199.97	0.0
* 15675.000	2975.00	0.0	0.0	1220.00	713.10	720.18	720.18	8.46	1171.81	1400.70	318.08	0.53
* 15675.000	2975.00	0.0	0.0	1490.00	713.10	720.36	720.36	9.13	1167.67	1401.35	358.28	0.17
* 15675.000	2975.00	0.0	0.0	2190.00	713.10	720.73	720.73	10.56	1158.84	1402.75	446.78	0.37
* 16615.000	940.00	0.0	0.0	640.00	720.80	726.27	726.27	9.11	1120.67	1176.24	90.98	0.0
* 16615.000	940.00	0.0	0.0	1200.00	720.80	727.79	727.79	9.52	1095.72	1187.09	208.01	1.52
* 16615.000	940.00	0.0	0.0	1460.00	720.80	728.05	728.05	10.53	1094.13	1188.93	232.03	0.26
* 16615.000	940.00	0.0	0.0	2120.00	720.80	728.75	728.75	12.04	1089.81	1193.94	301.70	0.70
16665.000	50.00	0.0	0.0	640.00	721.20	727.32	0.0	5.90	1305.31	1334.52	108.45	0.0
16665.000	50.00	0.0	0.0	1200.00	721.20	727.99	0.0	9.29	1303.35	1335.58	129.18	0.67
16665.000	50.00	0.0	0.0	1460.00	721.20	728.10	0.0	11.01	1303.04	1335.75	132.63	0.11
* 16665.000	50.00	0.0	0.0	2120.00	721.20	729.20	729.20	12.37	1301.00	1337.49	171.38	1.11
16685.000	20.00	733.80	731.70	640.00	721.20	727.32	0.0	5.90	1305.30	1334.53	108.49	0.0
16685.000	20.00	733.80	731.70	1200.00	721.20	727.99	0.0	9.29	1303.35	1335.58	129.18	0.67
16685.000	20.00	733.80	731.70	1460.00	721.20	728.10	0.0	11.00	1303.04	1335.75	132.69	0.11
16685.000	20.00	733.80	731.70	2120.00	721.20	729.21	0.0	12.36	1301.00	1337.50	171.51	1.11

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
16735.000	50.00	0.0	0.0	640.00	721.60	727.31	727.07	8.33	1114.48	1178.00	105.72	0.0
16735.000	50.00	0.0	0.0	1200.00	721.60	729.01	0.0	8.18	1093.16	1190.05	247.07	1.70
16735.000	50.00	0.0	0.0	1460.00	721.60	729.86	0.0	7.55	1087.94	1196.10	333.79	0.85
16735.000	50.00	0.0	0.0	2120.00	721.60	731.60	0.0	6.79	1077.13	1213.54	546.59	1.74
18675.000	1940.00	0.0	0.0	600.00	735.30	740.64	739.80	7.79	1164.67	1291.79	82.59	0.0
* 18675.000	1940.00	0.0	0.0	1010.00	735.30	741.70	741.70	7.68	1089.75	1298.68	238.66	1.06
* 18675.000	1940.00	0.0	0.0	1370.00	735.30	742.18	742.18	7.94	1083.58	1309.89	333.43	0.48
* 18675.000	1940.00	0.0	0.0	1990.00	735.30	742.56	742.56	9.34	1080.57	1323.74	422.92	0.39
20950.000	2275.00	0.0	0.0	540.00	742.40	748.50	0.0	4.03	1186.60	1496.07	261.37	0.0
20950.000	2275.00	0.0	0.0	1000.00	742.40	749.10	0.0	4.82	1173.65	1503.89	448.53	0.59
20950.000	2275.00	0.0	0.0	1280.00	742.40	749.42	0.0	4.97	1166.35	1506.52	558.71	0.32
20950.000	2275.00	0.0	0.0	1800.00	742.40	750.04	0.0	4.98	1152.71	1511.42	773.06	0.62
* 22425.000	1475.00	0.0	0.0	488.00	751.00	753.99	753.99	8.30	1330.34	1358.61	58.78	0.0
* 22425.000	1475.00	0.0	0.0	910.00	751.00	755.46	755.46	8.35	1276.71	1362.17	128.35	1.46
* 22425.000	1475.00	0.0	0.0	1122.00	751.00	755.89	755.89	8.56	1258.84	1366.61	169.22	0.43
* 22425.000	1475.00	0.0	0.0	1638.00	751.00	756.69	756.69	8.91	1225.26	1399.74	282.95	0.81
22475.000	50.00	0.0	0.0	488.00	751.10	754.84	0.0	5.93	1371.70	1413.65	90.82	0.0
22475.000	50.00	0.0	0.0	910.00	751.10	756.33	0.0	5.76	1293.81	1437.40	230.25	1.49
22475.000	50.00	0.0	0.0	1122.00	751.10	756.78	0.0	5.71	1274.99	1454.32	303.47	0.46
22475.000	50.00	0.0	0.0	1638.00	751.10	757.58	0.0	5.65	1247.39	1468.89	464.76	0.80
22545.000	70.00	760.20	757.30	488.00	751.10	754.84	0.0	5.93	1371.32	1413.66	90.88	0.0
22545.000	70.00	760.20	757.30	910.00	751.10	756.33	0.0	5.74	1293.54	1437.67	231.19	1.49
22545.000	70.00	760.20	757.30	1122.00	751.10	756.78	0.0	5.68	1274.58	1454.50	305.27	0.46
* 22545.000	70.00	760.20	757.30	1638.00	751.10	761.75	0.0	1.40	1160.08	1518.69	1707.49	4.97
22595.000	50.00	0.0	0.0	488.00	751.20	754.94	0.0	6.03	1329.10	1360.42	80.92	0.0
22595.000	50.00	0.0	0.0	910.00	751.20	756.29	0.0	6.38	1250.53	1374.81	192.36	1.34
22595.000	50.00	0.0	0.0	1122.00	751.20	756.70	0.0	6.61	1233.32	1391.79	250.76	0.41
22595.000	50.00	0.0	0.0	1638.00	751.20	761.75	0.0	1.90	1111.53	1462.17	1615.36	5.05
* 25875.000	3280.00	0.0	0.0	350.00	772.80	777.67	777.67	6.16	1176.44	1327.88	108.94	0.0
* 25875.000	3280.00	0.0	0.0	662.00	772.80	778.17	778.17	7.34	1162.94	1328.81	188.19	0.50
* 25875.000	3280.00	0.0	0.0	826.00	772.80	778.33	778.33	8.01	1158.56	1329.11	215.45	0.16
* 25875.000	3280.00	0.0	0.0	1230.00	772.80	778.71	778.71	9.04	1148.39	1329.81	281.71	0.38

SUMMARY OF ERRORS

CAUTION SECNO= 1300.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1300.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1300.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1300.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1300.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1300.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1300.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1300.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1300.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3000.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3000.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3000.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD		APPROXIMATE
		10Y	2Y	
1250.000	0.	-0.7	-0.2	0.5
1300.000	50.	-1.4	-0.6	1.6
1325.000	75.	-1.4	-0.6	1.6
1375.000	125.	-2.9	-0.9	2.4
3000.000	1750.	-0.6	-0.2	0.3
5125.000	3875.	-1.1	-0.3	0.7
6465.000	5215.	-1.2	-0.4	0.5
6565.000	5315.	-1.5	-0.6	0.9
6585.000	5335.	-1.6	-0.6	1.0
6685.000	5435.	-2.0	-0.8	1.5
8955.000	7705.	-1.3	-0.3	1.0
9155.000	7905.	-2.5	-1.1	1.4
9166.000	7916.	-3.0	-1.4	1.1
9366.000	8116.	-2.2	-0.6	1.0
12700.000	11450.	-1.3	-0.3	0.8
15675.000	14425.	-0.7	-0.2	0.4
16515.000	15365.	-1.6	-0.3	0.7
16665.000	15415.	-0.8	-0.1	1.1
16685.000	15435.	-0.8	-0.1	1.1
16735.000	15485.	-2.5	-0.8	1.7
18675.000	17425.	-1.5	-0.5	0.4
20950.000	19700.	-0.9	-0.3	0.6
22425.000	21175.	-1.9	-0.4	0.8
22475.000	21225.	-1.9	-0.5	0.8
22545.000	21295.	-1.9	-0.5	5.0
22595.000	21345.	-1.8	-0.4	5.0
25875.000	24625.	-0.7	-0.2	0.4
WEIGHTED AVG FOR REACH		-1.4	-0.4	1.1

FHF FOR THE REACH = 0.15 WITH 81.9% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 3

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PROGRAMMER=KEZIAH

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND			JOB PARAMETERS		TIME USED INCLUDES		MISC. JOB VALUES	
	DATE	TIME	SPECIFIED	USED		NO.	EQUIVALENT	
ENTERED	10/27/77	9:11:38.2	TIME	2:00.0	0:21.8	CPU	0:05.3	LINES IN 200
EXECUTED	10/27/77	9:39:32.6	PAGES	100	30	UR EXCPS	1046	0:07.4
RETURNED	10/28/77	7:11:16.5	CARDS	0	0	DISK EXCPS	453	0:09.1
JOB ENTERED ON THURSDAY			PLOTS	0	0	TAPE READ-WRITE		0:00.0
						TAPE FILE SEARCH		0:00.0
								LINES OUT 1559
								MEMORY TIME 10875 K-SEC
								PRIORITY 02
								APPROX. COST \$9.41

J O B C O N S O L E L O G

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N 9.11.44 JOB 15 -- RMK133 -- JCL INTERPRETED, TUCC CPU #1
V 9.39.30 JOB 15 -- RMK133 -- BEGINNING EXEC - INIT 5 - CLASS
L* 9.39.32 JOB 15 +++++S=163,T=02,J=RMK133 9:39:32 KEZIAH
N 9.40.53 JOB 15 END EXECUTION.

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NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1	1375.000	13.000	1472.000	1696.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	661.700	1632.000	658.100	1672.000	656.400	1675.000	655.100	1684.000	656.200	1693.000
GR	657.400	1696.000	658.000	1700.000	656.900	1800.000	656.500	1900.000	656.500	2000.000
GR	658.200	2100.000	669.200	2200.000	674.400	2225.000	0.0	0.0	0.0	0.0
QT	5.000	1230.000	2120.000	2550.000	3820.000	2550.000	0.0	0.0	0.0	0.0

X1	3000.000	14.000	1471.000	1489.000	1625.000	1625.000	1625.000	0.0	0.0	0.0
GR	681.600	1000.000	676.900	1050.000	674.400	1100.000	665.800	1200.000	663.600	1300.000
GR	664.200	1400.000	665.700	1471.000	662.500	1472.000	660.800	1481.000	662.700	1487.000
GR	665.800	1489.000	664.900	1500.000	664.900	1600.000	681.700	1690.000	0.0	0.0
QT	5.000	1120.000	1990.000	2490.000	3480.000	2490.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0

X1	5125.000	14.000	1400.000	1415.000	2125.000	2125.000	2125.000	0.0	0.0	0.0
GR	687.600	1000.000	676.200	1100.000	669.600	1187.000	669.800	1200.000	670.900	1300.000
GR	671.800	1400.000	669.400	1401.000	666.400	1408.000	669.200	1414.000	671.900	1415.000
GR	670.900	1500.000	673.300	1585.000	676.400	1600.000	687.500	1700.000	0.0	0.0
QT	5.000	1110.000	1480.000	2480.000	3470.000	2480.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	6465.000	11.000	1133.000	1128.000	1340.000	1340.000	1340.000	0.0	0.0	0.0
GR	693.000	1000.000	678.200	1100.000	678.200	1133.000	675.200	1135.000	674.000	1145.000
GR	675.600	1156.000	677.900	1158.000	677.000	1200.000	677.400	1223.000	688.800	1300.000
GR	694.600	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	6565.000	30.000	2369.000	2426.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	701.800	1000.000	697.000	1100.000	693.700	1200.000	691.800	1300.000	691.800	1500.000
GR	692.600	1600.000	695.000	1800.000	694.300	1900.000	692.900	2000.000	691.300	2100.000
GR	688.600	2200.000	686.800	2300.000	685.800	2369.000	679.500	2369.000	679.500	2371.000
GR	678.700	2371.100	678.700	2374.000	679.400	2375.000	679.300	2387.000	678.000	2397.000
GR	675.500	2399.000	675.300	2413.000	675.400	2423.900	677.300	2424.000	677.300	2426.000
GR	685.800	2426.000	685.500	2500.000	688.700	2600.000	694.100	2700.000	700.800	2820.000
SS	1.050	1.500	2.500	0.0	57.000	1.000	358.000	0.0	0.0	0.0

RDN0 NCSR 1841 MXLCEL 683.6 ROELV 685.8

X1	6565.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	683.900	685.500	0.0	0.0	0.0	0.0	0.0
BT	20.000	1000.000	701.800	0.0	1100.000	697.000	0.0	1200.000	693.700	0.0
BT	1300.000	691.800	0.0	1500.000	691.800	0.0	1600.000	692.600	0.0	1800.000
BT	695.000	0.0	1900.000	694.300	0.0	2000.000	692.900	0.0	2100.000	691.300
BT	0.0	2200.000	688.600	0.0	2300.000	686.800	0.0	2369.000	685.800	683.900
BT	2386.900	685.800	683.900	2387.000	685.800	683.600	2426.000	685.800	683.600	2500.000
BT	685.500	0.0	2400.000	688.700	0.0	2700.000	694.100	0.0	2820.000	700.800
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1083.000	1245.000	0.0	0.0

X1	6685.000	11.000	1133.000	1158.000	100.000	100.000	100.000	0.0	2.600	0.0
GR	693.000	1000.000	678.200	1100.000	678.200	1133.000	675.200	1135.000	674.000	1145.000
GR	675.600	1156.000	677.900	1158.000	677.000	1200.000	677.400	1223.000	688.800	1300.000
GR	694.600	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1020.000	1800.000	2170.000	3220.000	2170.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1099.000	1231.000	0.0	0.0

X1	8955.000	12.000	1135.000	1158.000	2270.000	2270.000	2270.000	0.0	0.0	0.0
GR	707.500	1000.000	695.100	1100.000	691.500	1130.000	691.700	1135.000	688.800	1137.000
GR	687.400	1146.000	689.000	1153.000	691.900	1158.000	694.700	1200.000	696.000	1275.000
GR	700.300	1300.000	707.200	1384.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	9155.000	17.000	1386.000	1424.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	712.900	1000.000	705.000	1100.000	700.200	1161.000	700.500	1200.000	696.200	1300.000
GR	698.300	1386.000	694.100	1386.000	693.600	1397.000	690.300	1399.000	690.300	1405.000
GR	691.300	1416.000	694.100	1419.000	694.600	1424.000	698.300	1424.000	699.000	1500.000
GR	708.000	1600.000	712.500	1647.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	38.000	0.010	164.000	0.0	0.0	0.0

RDN0 BRIDGE MXLCEL 696.6 RDELV 698.3

X1	9166.000	0.0	0.0	0.0	11.000	11.000	11.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	696.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	712.900	0.0	1100.000	705.000	0.0	1161.000	700.200	0.0
BT	1200.000	700.500	0.0	1300.000	696.200	0.0	1386.000	698.300	696.600	1424.000
BT	698.300	696.600	1500.000	699.000	0.0	1600.000	708.000	0.0	1647.000	712.500
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	9366.000	12.000	1135.000	1158.000	200.000	200.000	200.000	0.0	5.800	0.0
GR	707.500	1000.000	695.100	1100.000	691.500	1130.000	691.700	1135.000	688.800	1137.000
GR	687.400	1146.000	689.000	1153.000	691.900	1158.000	694.700	1200.000	696.000	1275.000
GR	700.300	1300.000	707.200	1384.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	950.000	1720.000	2080.000	3030.000	2080.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0

X1	12700.000	14.000	1232.000	1255.000	3334.000	3334.000	3334.000	0.0	0.0	0.0
GR	721.400	1000.000	707.000	1100.000	706.200	1200.000	706.000	1232.000	702.200	1238.000
GR	701.500	1243.000	702.500	1249.000	706.700	1255.000	706.700	1300.000	705.600	1400.000
GR	704.900	1500.000	701.600	1600.000	715.700	1700.000	721.500	1776.000	0.0	0.0
BT	5.000	650.000	1220.000	1490.000	2190.000	1490.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	15675.000	12.000	1269.000	1281.000	2975.000	2975.000	2975.000	0.0	0.0	0.0
GR	732.700	1000.000	723.200	1100.000	719.000	1200.000	719.300	1269.000	714.300	1271.000
GR	713.100	1275.000	714.700	1279.000	718.000	1281.000	718.200	1300.000	719.600	1396.000
GR	720.000	1400.000	732.700	1448.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	640.000	1200.000	1460.000	2120.000	1460.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0

X1	16615.000	10.000	1155.000	1170.000	940.000	940.000	940.000	0.0	0.0	0.0
GR	743.300	1000.000	727.100	1100.000	724.900	1155.000	721.500	1158.000	720.800	1163.000
GR	721.900	1168.000	725.400	1170.000	729.600	1200.000	738.500	1300.000	743.300	1388.000
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	16665.000	17.000	1301.000	1340.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	749.000	1000.000	743.500	1100.000	737.600	1200.000	733.800	1300.000	733.800	1301.000
GR	728.800	1301.000	725.700	1310.000	721.700	1315.000	721.200	1320.000	722.000	1326.000
GR	723.800	1329.000	730.800	1340.000	733.800	1340.000	736.300	1400.000	740.600	1500.000
GR	744.200	1600.000	749.000	1700.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	39.000	0.010	267.000	0.0	0.0	0.0

RDN0 NCSR 1836 MXLCEL 731.7 RDELV 733.8

X1	16685.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	731.700	733.800	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	749.000	0.0	1100.000	743.500	0.0	1200.000	737.600	0.0
BT	1300.000	733.800	0.0	1301.000	733.800	731.700	1340.000	733.800	731.700	1400.000
BT	736.300	0.0	1500.000	740.600	0.0	1600.000	744.200	0.0	1700.000	749.000
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	16735.000	10.000	1155.000	1170.000	50.000	50.000	50.000	0.0	0.800	0.0
GR	743.300	1000.000	727.100	1100.000	724.900	1155.000	721.500	1158.000	720.800	1163.000
GR	721.900	1168.000	725.400	1170.000	729.600	1200.000	738.500	1300.000	743.300	1388.000
QT	5.000	600.000	1010.000	1370.000	1990.000	1370.000	0.0	0.0	0.0	0.0

X1	18675.000	13.000	1263.000	1285.000	1940.000	1940.000	1940.000	0.0	0.0	0.0
GR	757.500	1000.000	742.300	1082.000	740.900	1100.000	740.500	1200.000	742.500	1263.000
GR	735.900	1270.000	735.300	1276.000	736.500	1281.000	739.600	1285.000	741.900	1300.000
GR	742.600	1325.000	754.900	1400.000	757.500	1445.000	0.0	0.0	0.0	0.0
QT	5.000	540.000	1000.000	1280.000	1800.000	1280.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0

X1	20950.000	12.000	1400.000	1427.000	2275.000	2275.000	2275.000	0.0	0.0	0.0
GR	763.600	1000.000	752.400	1100.000	747.900	1200.000	748.100	1300.000	748.000	1400.000
GR	743.000	1414.000	742.400	1418.000	743.300	1421.000	746.800	1427.000	748.600	1500.000
GR	761.100	1600.000	763.900	1625.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	488.000	910.000	1122.000	1638.000	1122.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	22425.000	13.000	1329.000	1363.000	1475.000	1475.000	1475.000	0.0	0.0	0.0
GR	771.600	1000.000	762.100	1100.000	757.300	1200.000	754.900	1300.000	754.800	1329.000
GR	751.800	1334.000	751.000	1344.000	752.100	1354.000	755.800	1363.000	756.700	1400.000
GR	759.600	1450.000	767.600	1500.000	771.600	1570.000	0.0	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	22475.000	18.000	1387.500	1406.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	775.500	1000.000	771.600	1053.000	762.100	1153.000	757.300	1253.000	754.900	1353.000
GR	754.800	1382.000	751.800	1387.000	751.800	1387.500	751.100	1387.500	751.100	1406.500
GR	752.100	1406.500	752.100	1407.000	755.800	1416.000	756.700	1453.000	759.600	1506.000
GR	767.600	1553.000	771.600	1623.000	775.500	1670.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	0.010	83.000	0.0	0.0	0.0

RDN0 NCSR 1821 MXLCEL 757.3 RDELV 761.0

X1	22545.000	0.0	0.0	0.0	70.000	70.000	70.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	757.300	760.200	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	775.500	0.0	1100.000	768.200	0.0	1200.000	762.800	0.0
BT	1300.000	760.200	0.0	1387.500	760.500	751.100	1389.000	760.600	755.400	1392.000
BT	760.600	757.300	1395.000	760.600	755.400	1396.500	760.700	751.100	1397.500	760.800
BT	751.100	1399.000	760.900	755.400	1402.000	761.000	757.300	1405.000	761.100	755.400
BT	1406.500	761.200	751.100	1500.000	764.700	0.0	1600.000	770.900	0.0	1670.000
BT	775.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	22595.000	13.000	1329.000	1363.000	50.000	50.000	50.000	0.0	0.200	0.0
GR	771.600	1000.000	762.100	1100.000	757.300	1200.000	754.900	1300.000	754.800	1329.000
GR	751.800	1334.000	751.000	1344.000	752.100	1354.000	755.800	1363.000	756.700	1400.000
GR	759.600	1450.000	767.600	1500.000	771.600	1570.000	0.0	0.0	0.0	0.0
QT	5.000	350.000	662.000	826.000	1230.000	826.000	0.0	0.0	0.0	0.0

 HEC2 RELEASE DATED NOV 76 (UPDATED FEB 1977)
 ERROR CORR - 01
 MODIFICATION - 30.51,52

T1 DAVIDSON COUNTY BASIN I STRM 33 TINKERS CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	INO	NINV	IJIR	STRT	METRIC	HVINS	Q	WSEL	F0
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	659.540	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

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 1250.000

2800 NAT Q1= 305.43 WSEL= 658.54 ENC Q1= 305.43 WSEL= 659.54 RATIO= 0.0

NAT Q1=	645.	RATIOS	LOB,CH,ROB=	0.0046	0.1311	0.8643	WSEL=	659.54	
SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLOSS	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	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470	ENCROACHMENT STATIONS=	1669.2	1875.7	TYPE=	4	TARGET=	0.526		
1250.00	4.54	659.54	0.0	658.54	660.01	0.47	0.0	658.00	
2550.	9.	706.	1836.	4.	87.	446.	0.	657.30	
0.0	2.20	8.15	4.12	0.055	0.035	0.055	0.0	655.00	1669.23
0.006962	1250.	1250.	1250.	0	0	0	0.0	206.51	1875.74

CCHV= 0.100 CEHV= 0.300

*SECNO 1300.000

IHC209I IBCUM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS FF95000F42008492 . REGISTER CONTAINED 0000000000000000

TRACEBACK	ROUTINE	CALLED FROM	ISN	REG. 14	REG. 15	REG. 0	REG. 1
	H2MAIN		0005	520CD73A	000CD778	FD000008	00000000
	MAIN		00014352	010CD610	FD000008	001497F8	

ENTRY POINT= 010CD610

STANDARD FIXUP TAKEN , EXECUTION CONTINUING

2800 NAT Q1= 198.00 WSEL= 659.01 ENC Q1= 259.68 WSEL= 660.01 RATIO= -0.3115
 NAT Q1= 260. RATIOS LOB,CH,ROB= 0.0 1.0000 0.0 WSEL= 660.01

3301 HV CHANGED MORE THAN HVINS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CRSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
<i>690</i> 1250.000	1250.00	0.0	0.0	2550.00	655.00	659.54	0.0	6.57	1666.00	2104.00	724.88	0.0
* 1250.000	1250.00	0.0	0.0	2550.00	655.00	639.54	0.0	8.15	1669.23	1875.74	536.32	1.00
* 1300.000	50.00	0.0	0.0	2550.00	651.70	659.01	659.01	12.92	1905.00	1944.00	197.34	0.0
* 1300.000	50.00	0.0	0.0	2550.00	651.70	659.01	659.01	12.92	1905.00	1944.00	197.34	0.00
1325.000	25.00	664.30	663.70	2550.00	651.70	659.01	0.0	12.91	1905.00	1944.00	197.51	0.0
1325.000	25.00	664.30	663.70	2550.00	651.70	660.01	0.0	10.78	1905.00	1944.00	236.50	1.00
<i>815</i> 1375.000	50.00	0.0	0.0	2550.00	655.10	661.87	0.0	1.93	1632.00	2133.35	2243.78	0.0
* 1375.000	50.00	0.0	0.0	2550.00	655.10	662.00	0.0	2.54	1653.04	1981.51	1648.63	0.13
* 3000.000	1625.00	0.0	0.0	2550.00	660.80	665.91	665.91	9.80	1198.70	1605.42	569.25	0.0
* 3000.000	1625.00	0.0	0.0	2550.00	660.80	666.94	666.94	11.31	1364.74	1530.48	409.04	1.03
5125.000	2125.00	0.0	0.0	2490.00	666.40	673.69	0.0	4.35	1133.02	1586.91	1144.72	0.0
5125.000	2125.00	0.0	0.0	2490.00	666.40	674.53	0.0	4.51	1222.99	1504.54	1006.55	0.83
* 6465.000	1340.00	0.0	0.0	2480.00	674.00	680.07	680.07	10.40	1087.38	1241.02	399.30	0.0
* 6465.000	1340.00	0.0	0.0	2480.00	674.00	680.73	680.73	12.78	1118.69	1186.84	269.23	0.66
* 6565.000	100.00	0.0	0.0	2480.00	675.30	681.18	681.18	11.19	2369.00	2426.00	221.58	0.0
6565.000	100.00	0.0	0.0	2480.00	675.30	682.58	0.0	8.23	2369.00	2426.00	301.43	1.41
6585.000	20.00	685.50	683.90	2480.00	675.30	681.45	0.0	10.47	2369.00	2426.00	236.93	0.0
6585.000	20.00	685.50	683.90	2480.00	675.30	682.45	0.0	8.44	2369.00	2426.00	293.91	1.00
6685.000	100.00	0.0	0.0	2480.00	676.60	683.37	0.0	8.21	1082.60	1245.80	511.41	0.0
6685.000	100.00	0.0	0.0	2480.00	676.60	683.68	0.0	7.46	1083.00	1245.00	560.43	0.31
* 8955.000	2270.00	0.0	0.0	2170.00	687.40	695.25	695.25	10.84	1098.78	1231.77	315.27	0.0
* 8955.000	2270.00	0.0	0.0	2170.00	687.40	695.28	695.28	10.74	1099.00	1231.00	318.96	0.03
* 9155.000	200.00	0.0	0.0	2170.00	690.30	697.56	697.56	10.23	1268.42	1424.00	259.70	0.0
* 9155.000	200.00	0.0	0.0	2170.00	690.30	696.90	696.90	12.35	1386.00	1424.00	175.69	-0.65
9166.000	11.00	694.20	696.60	2170.00	690.30	697.70	0.0	9.81	1265.02	1424.00	278.70	0.0
9166.000	11.00	999999.00	0.0	2170.00	690.30	697.05	0.0	11.99	1386.00	1424.00	181.05	-0.65

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 9366.000	200.00	0.0	0.0	2170.00	693.20	701.05	701.05	10.83	1098.78	1231.82	315.40	0.0
* 9366.000	200.00	0.0	0.0	2170.00	693.20	700.96	700.96	14.19	1131.26	1161.63	170.41	-0.09
12700.000	3334.00	0.0	0.0	2080.00	701.50	707.80	0.0	2.87	1094.43	1643.98	1344.36	0.0
12700.000	3334.00	0.0	0.0	2080.00	701.50	708.68	0.0	2.69	1146.90	1582.54	1440.09	0.88
* 15675.000	2975.00	0.0	0.0	1490.00	713.10	720.36	720.36	9.13	1167.68	1401.35	358.17	0.0
* 15675.000	2975.00	0.0	0.0	1490.00	713.10	721.02	721.02	11.48	1237.97	1307.25	206.58	0.66
* 16615.000	940.00	0.0	0.0	1460.00	720.80	728.05	728.05	10.53	1094.13	1188.94	232.12	0.0
16615.000	940.00	0.0	0.0	1460.00	720.80	728.89	0.0	11.19	1140.36	1173.71	170.21	0.84
16665.000	50.00	0.0	0.0	1460.00	721.20	728.10	0.0	11.01	1303.04	1335.75	132.64	0.0
16665.000	50.00	0.0	0.0	1460.00	721.20	730.08	0.0	7.16	1301.00	1338.87	203.89	1.99
16685.000	20.00	733.80	731.70	1460.00	721.20	728.10	0.0	11.00	1303.04	1335.76	132.70	0.0
16685.000	20.00	733.80	731.70	1460.00	721.20	729.10	0.0	8.72	1301.00	1337.33	167.51	1.00
16735.000	50.00	0.0	0.0	1460.00	721.60	729.86	0.0	7.55	1087.94	1196.10	333.79	0.0
16735.000	50.00	0.0	0.0	1460.00	721.60	730.12	0.0	9.49	1134.72	1176.27	213.61	0.26
* 18675.000	1940.00	0.0	0.0	1370.00	735.30	742.18	742.18	7.94	1083.58	1309.89	333.43	0.0
* 18675.000	1940.00	0.0	0.0	1370.00	735.30	742.72	742.72	10.22	1211.58	1287.30	180.04	0.54
20950.000	2275.00	0.0	0.0	1280.00	742.40	749.42	0.0	4.97	1166.35	1506.52	558.71	0.0
20950.000	2275.00	0.0	0.0	1280.00	742.40	750.27	0.0	4.66	1289.54	1453.51	480.53	0.86
* 22425.000	1475.00	0.0	0.0	1122.00	751.00	755.89	755.89	8.56	1258.84	1366.61	169.22	0.0
* 22425.000	1475.00	0.0	0.0	1122.00	751.00	755.62	755.62	10.24	1329.00	1360.56	109.53	-0.27
22475.000	50.00	0.0	0.0	1122.00	751.10	756.78	0.0	5.71	1274.99	1454.32	303.47	0.0
22475.000	50.00	0.0	0.0	1122.00	751.10	756.69	0.0	8.04	1371.40	1410.93	162.58	-0.09
22545.000	70.00	760.20	757.30	1122.00	751.10	756.78	0.0	5.68	1274.58	1454.50	305.27	0.0
22545.000	70.00	999999.00	0.0	1122.00	751.10	756.69	0.0	8.00	1370.92	1411.05	163.85	-0.09
22595.000	50.00	0.0	0.0	1122.00	751.20	756.70	0.0	6.61	1233.32	1391.79	250.76	0.0
22595.000	50.00	0.0	0.0	1122.00	751.20	756.76	0.0	7.92	1329.00	1363.00	141.73	0.06
* 25875.000	3280.00	0.0	0.0	826.00	772.80	778.33	778.33	8.01	1158.56	1329.11	215.45	0.0
25875.000	3280.00	0.0	0.0	826.00	772.80	779.32	779.08	9.29	1245.14	1291.78	130.85	0.95

SUMMARY OF ERRORS

CAUTION SECNO= 1300.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1300.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1300.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1300.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1300.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1300.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3000.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3000.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3000.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3000.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION	
		SECTION AREA	VELOCITY		WITH FLOODWAY	WITHOUT FLOODWAY
1250.000	207.	536.	4.8	659.5	658.5	1.0
1300.000	39.	197.	12.9	659.0	659.0	0.0
1325.000	39.	236.	10.8	660.0	659.0	1.0
1375.000	328.	1649.	1.5	662.0	661.9	0.1
3000.000	166.	409.	6.2	666.9	665.9	1.0
5125.000	282.	1007.	2.5	674.5	673.7	0.8
6465.000	68.	269.	9.2	680.8	680.1	0.7
6565.000	57.	301.	8.2	682.6	681.2	1.4
6535.000	57.	294.	8.4	682.4	681.4	1.0
6685.000	162.	560.	4.4	683.7	683.4	0.3
8955.000	132.	319.	6.8	695.3	695.3	0.0
9155.000	38.	176.	12.4	697.0	697.6	-0.6
9166.000	38.	181.	12.0	697.1	697.7	-0.6
9366.000	30.	170.	12.7	701.1	701.1	0.0
12700.000	436.	1440.	1.4	708.7	707.8	0.9
15675.000	69.	207.	7.2	721.1	720.4	0.7
16615.000	33.	170.	8.6	728.9	728.1	0.8
16665.000	38.	204.	7.2	730.1	728.1	2.0
16685.000	36.	168.	8.7	729.1	728.1	1.0
16735.000	42.	214.	6.8	730.2	729.9	0.3
18675.000	76.	180.	7.6	742.7	742.2	0.5
20950.000	164.	461.	2.7	750.3	749.4	0.9
22425.000	34.	110.	10.2	755.7	755.9	-0.2
22475.000	40.	163.	6.9	756.8	756.8	0.0
22545.000	40.	164.	6.8	756.8	756.8	0.0
22595.000	34.	142.	7.9	756.8	756.7	0.1
25875.000	47.	131.	6.3	779.3	778.3	1.0