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

T1 DAVIDSON COUNTY BASIN E STREAM 41 MARY REICH CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	7.	0.	0.	0.0	0.0	0.0	0.	794.420	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN3M	ITRACE
	15.000	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 75.000

2800 NAT Q1= 250.59 WSEL= 793.42 ENC Q1= 254.59 WSEL= 794.22 RATIO= -0.0160
 NAT Q1= 361. RATIOS LOB,CH,ROB= 0.0414 0.7058 0.2528 WSEL= 794.22
 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS BANK ELEV
 Q OLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE XLORL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

3470 ENCROACHMENT STATIONS=	1700.0	1739.0	TYPE=	4	TARGET=	0.294
75.00	10.82	794.42	0.0	793.42	795.30	0.88 0.0 0.0 792.30
2250.	0.	2250.	0.	0.	299.	0. 0. 0. 792.50
0.0	0.0	7.53	0.0	0.085	0.050	0.085 0.0 783.60 1700.00
0.008007	25.	25.	25.	0	0	0 0.0 39.00 1739.00

CCHV= 0.100 CEHV= 0.300

*SECNO 100.000

2800 NAT Q1= 570.25 WSEL= 793.89 ENC Q1= 570.25 WSEL= 794.69 RATIO= 0.0
 NAT Q1= 698. RATIOS LOB,CH,ROB= 0.2818 0.6300 0.0882 WSEL= 794.69

3470 ENCROACHMENT STATIONS=	1763.9	1822.0	TYPE=	4	TARGET=	0.183
100.00	11.27	794.97	0.0	793.89	795.42	0.44 0.07 0.04 785.40
2250.	355.	1776.	119.	120.	304.	54. 0. 0. 789.40
0.00	2.96	5.84	2.20	0.060	0.040	0.060 0.038 783.70 1763.94
0.001466	25.	25.	25.	2	0	0 0.0 58.08 1822.02

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	X4OR	COFO	RLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	33.20	0.01	338.00	0.0	783.70	783.70

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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	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
75.000	25.00	0.0	0.0	2250.00	783.60	793.42	0.0	7.28	1646.66	1924.35	485.66	0.0
75.000	25.00	0.0	0.0	2250.00	783.60	794.42	0.0	7.53	1700.00	1739.00	298.84	1.00
75.000	25.00	0.0	0.0	2250.00	783.60	794.42	0.0	7.53	1700.00	1739.00	298.84	0.0
100.000	25.00	0.0	0.0	2250.00	783.70	793.89	0.0	5.53	1721.42	1853.14	602.10	0.0
100.000	25.00	0.0	0.0	2250.00	783.70	794.91	0.0	6.16	1766.66	1820.06	444.63	1.02
100.000	25.00	0.0	0.0	2250.00	783.70	794.97	0.0	5.84	1763.94	1822.02	477.80	0.06
120.000	20.00	797.10	795.10	2250.00	783.70	793.89	0.0	5.54	1721.43	1853.13	601.94	0.0
120.000	20.00	999999.00	0.0	2250.00	783.70	794.91	0.0	6.16	1766.69	1820.05	444.28	1.02
120.000	20.00	797.10	795.10	2250.00	783.70	794.69	0.0	4.81	1716.09	1860.61	712.40	-0.22
220.000	100.00	0.0	0.0	2250.00	783.80	794.06	0.0	6.20	1625.49	1934.02	615.98	0.0
220.000	100.00	0.0	0.0	2250.00	783.80	795.06	0.0	6.79	1696.40	1756.71	367.42	0.99
220.000	100.00	0.0	0.0	2250.00	783.80	795.13	0.0	6.37	1692.94	1774.10	425.20	0.07
2600.000	2380.00	0.0	0.0	1325.00	791.50	803.61	0.0	4.33	1068.34	1220.64	469.46	0.0
2600.000	2380.00	0.0	0.0	1325.00	791.50	804.70	0.0	4.61	1128.21	1182.49	350.85	1.08
2600.000	2380.00	0.0	0.0	1325.00	791.50	804.29	0.0	4.67	1122.41	1186.00	357.62	-0.40
5330.000	2600.00	0.0	0.0	1331.00	803.50	812.02	0.0	4.94	1128.01	1491.16	542.80	0.0
5330.000	2600.00	0.0	0.0	1331.00	803.50	812.99	0.0	5.46	1198.04	1287.08	344.48	0.97
5330.000	2600.00	0.0	0.0	1331.00	803.50	812.87	0.0	5.29	1193.77	1302.63	374.35	-0.13

SUMMARY OF ERRORS

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
75,000	39.	299.	7.5	794.4	793.4	1.0
100,000	53.	445.	5.1	794.9	793.9	1.0
120,000	53.	444.	5.1	794.9	793.9	1.0
220,000	60.	367.	6.1	795.1	794.1	1.0
2600,000	54.	351.	3.0	804.7	803.6	1.1
5330,000	89.	344.	3.9	813.0	812.0	1.0

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE NO. 3

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
75.000	39.	299.	7.5	794.4	793.4	1.0
100.000	58.	478.	4.7	795.0	793.9	1.1
120.000	145.	712.	3.2	794.7	793.9	0.8
220.000	81.	425.	5.3	795.2	794.1	1.1
2600.000	64.	358.	3.7	804.3	803.6	0.7
5330.000	109.	374.	3.6	812.8	812.0	0.8

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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EJ

MAK

RDSE41

13-PAGES

523-LINES

0-PLOTS # RTI.A25.P03078

1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
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*SECNO 120.000
 2800 NAT Q1= 570.06 WSEL= 793.89 ENC Q1= 570.06 WSEL= 794.89 RATIO= 0.0
 NAT Q1= 733. RATIOS LOB,CH,ROB= 0.2842 0.6230 0.9928 WSEL= 794.89
 WATER EL=CHANGE FROM NATURAL PROFILES BRIDGE

3470 ENCROACHMENT STATIONS=	1766.7	1820.0	TYPE=	4	TARGET=	0.222			
129.00	11.21	794.91	0.0	793.89	795.42	0.51	0.03	0.00	785.40
2250.	291.	1859.	99.	38.	302.	45.	0.	0.	789.40
0.00	2.97	6.16	2.23	0.060	0.040	0.060	0.039	783.70	1766.69
0.001646	20.	20.	20.	0	0	0	0.0	53.36	1820.05

CCHV= 0.100 CRHV= 0.300

*SECNO 220.000
 2800 NAT Q1= 307.49 WSEL= 794.06 ENC Q1= 307.49 WSEL= 795.06 RATIO= 0.0
 NAT Q1= 476. RATIOS LOB,CH,ROB= 0.0679 0.6146 0.3175 WSEL= 795.06

3470 ENCROACHMENT STATIONS=	1696.4	1756.7	TYPE=	4	TARGET=	0.353			
220.00	11.26	795.06	0.0	794.06	795.74	0.69	0.27	0.05	792.50
2250.	15.	2145.	90.	9.	316.	43.	1.	0.	792.70
0.01	1.68	6.79	2.11	0.085	0.060	0.085	0.053	783.80	1696.40
0.005403	100.	180.	100.	2	0	0	0.0	60.31	1756.71

*SECNO 2600.000
 2800 NAT Q1= 265.04 WSEL= 803.61 ENC Q1= 265.04 WSEL= 804.61 RATIO= 0.0
 NAT Q1= 368. RATIOS LOB,CH,ROB= 0.2739 0.6225 0.0984 WSEL= 804.61

SECNO	DEPTH	QWSEL	CRIWS	WSEL/K	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLCB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	1128.2	1162.5	TYPE=	4	TARGET=	0.280			
2600.00	13.20	804.70	0.0	803.61	804.99	0.29	9.21	0.04	800.70
1325.	133.	1145.	47.	70.	249.	32.	21.	3.	801.90
0.16	1.89	4.61	1.48	0.085	0.060	0.085	0.060	791.50	1128.21
0.002432	2380.	2380.	2380.	3	0	0	0.0	54.28	1182.49

*SECNO 5330.000
 2800 NAT Q1= 201.74 WSEL= 812.02 ENC Q1= 201.74 WSEL= 813.02 RATIO= -0.0000
 NAT Q1= 375. RATIOS LOB,CH,ROB= 0.0800 0.3975 0.5225 WSEL= 813.02

3470 ENCROACHMENT STATIONS=	1198.0	1287.1	TYPE=	4	TARGET=	0.459			
5330.00	4.49	812.99	0.0	812.02	813.33	0.36	8.34	0.02	810.80
231.	45.	980.	306.	27.	179.	138.	42.	8.	810.00
0.32	1.67	5.46	2.21	0.085	0.060	0.085	0.060	803.50	1198.04
0.004421	2600.	2600.	2600.	3	0	0	0.0	89.04	1287.08

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T1 DAVIDSON COUNTY BASIN E STREAM 41 MARY REICH CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	794.420	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 75.000

2800 NAT Q1= 250.59 WSEL= 793.42 ENC Q1= 266.06 WSEL= 794.42 RATIO= -0.0618
 NAT Q1= 394. RATIOS LOB,CH,ROB= 0.0494 0.6756 0.2750 WSEL= 794.42

SECNO	DEPTH	CWSEL	CRWS	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	ENDSY	

3470 ENCROACHMENT STATIONS= 1700.0 1739.0 TYPE= 4 TARGET= 0.324
 75.00 10.02 794.42 0.0 793.42 795.30 0.88 0.0 0.0 792.30
 2250. 0. 2250. 0. 0. 299. 0. 0. 0. 792.50
 0.0 0.0 7.53 0.0 0.085 0.060 0.085 0.0 783.60 1700.00
 0.008037 25. 25. 25. 0 0 0 0.0 39.00 1739.00

CCHV= 0.100 CEHV= 0.300
 *SECNO 100.000

2800 NAT Q1= 570.25 WSEL= 793.89 ENC Q1= 570.25 WSEL= 794.89 RATIO= 0.0
 NAT Q1= 733. RATIOS LOB,CH,ROB= 0.2842 0.6230 0.0928 WSEL= 794.89

3470 ENCROACHMENT STATIONS= 1766.7 1820.1 TYPE= 4 TARGET= 0.222
 100.00 11.21 794.91 0.0 793.89 795.42 0.51 0.06 0.04 785.40
 2250. 292. 1859. 100. 98. 302. 45. 0. 0. 789.40
 0.00 2.97 6.16 2.23 0.060 0.040 0.060 0.038 783.70 1756.66
 0.001644 25. 25. 25. 2 0 0 0.0 53.40 1820.06

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	33.20	0.01	328.00	0.0	783.70	783.70

2600.00	12.11	803.61	0.0	0.0	803.83	0.22	9.28	0.02	800.70
1325.	290.	959.	76.	180.	222.	67.	32.	13.	801.90
0.19	1.61	4.33	1.13	0.085	0.060	0.085	0.060	791.50	1068.34
0.002472	2380.	2380.	2380.	4	0	0	0.0	152.30	1220.64

*SECNO 5320.000

5330.00	8.52	812.02	0.0	0.0	812.25	0.23	8.42	0.00	810.80
1331.	21.	771.	539.	30.	156.	360.	62.	29.	810.00
0.40	0.69	4.94	1.50	0.085	0.060	0.085	0.060	803.50	1128.01
0.004353	2600.	2600.	2600.	4	0	0	0.0	363.15	1491.16

C

*PROF 1

CCHV= 0.100 CEHV= 0.300
*SECNO 75.000

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
75.00	9.82	793.42	0.0	793.42	794.12	0.70	0.0	0.0	792.30
2250.	32.	1892.	326.	30.	260.	196.	0.	0.	792.50
0.0	1.07	7.28	1.56	0.085	0.060	0.085	0.0	783.60	1646.66
0.008062	25.	25.	25.	0	0	0	0.0	277.70	1924.35

CCHV= 0.100 CEHV= 0.300
*SECNO 100.000

100.00	10.19	793.89	0.0	0.0	794.23	0.34	0.08	0.04	785.40
2250.	611.	1482.	157.	240.	268.	94.	0.	0.	789.40
0.00	2.54	5.53	1.67	0.060	0.040	0.060	0.038	783.70	1721.42
0.001557	25.	25.	25.	2	0	0	0.0	131.73	1853.14

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	33.20	0.01	338.00	0.0	783.70	783.70

*SECNO 120.000
CLASS A LOW FLO

3420 BRIDGE W.S.= 793.89 BRIDGE VELOCITY= 6.66 CALCULATED CHANNEL AREA= 338.

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
0.0	794.23	0.00	0.	2250.	338.	378.	795.10	797.10
120.00	10.19	793.89	0.0	0.0	794.23	0.34	0.0	785.40
2250.	610.	1483.	157.	240.	268.	94.	1.	789.40
0.00	2.54	5.54	1.67	0.060	0.040	0.060	0.038	783.70
0.001558	20.	20.	20.	0	0	0	0.0	131.71

CCHV= 0.100 CEHV= 0.300
*SECNO 220.000

220.00	10.26	794.06	0.0	0.0	794.53	0.46	0.26	0.04	792.50
2250.	63.	1718.	469.	58.	277.	281.	2.	1.	792.70
0.01	1.09	6.20	1.67	0.085	0.060	0.085	0.053	783.80	1625.49
0.005354	100.	100.	100.	2	0	0	0.0	308.53	1934.02

*SECNO 2600.000

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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C
 T1 DAVIDSON COUNTY BASIN E STREAM 41 MARY REICH CREEK
 T2 ***** NOTE STA. NO. HAVE BEEN MODIFIED*****
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	793.420	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
VC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1090.000	1890.000	2250.000	3075.000	2250.000	2250.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	-8.400	0.0	0.0
X1	75.000	15.000	1700.000	1739.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	808.500	1000.000	804.600	1100.000	802.100	1200.000	802.800	1300.000	803.800	1400.000
SR	796.500	1500.000	792.300	1700.000	784.500	1712.000	783.600	1719.000	784.500	1727.000
GR	792.500	1739.000	792.200	1800.000	792.300	1900.000	796.900	2000.000	808.500	2072.000
VC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	100.000	22.000	1778.000	1811.200	25.000	25.000	25.000	0.0	0.0	0.0
GR	812.000	1000.000	808.100	1100.000	806.500	1200.000	805.000	1300.000	803.100	1400.000
GR	800.800	1500.000	798.100	1600.000	797.100	1700.000	785.400	1778.000	785.400	1780.000
GR	784.100	1785.000	783.700	1791.000	784.400	1800.000	789.100	1802.000	789.400	1810.000
GR	789.400	1811.200	798.900	1900.000	801.000	2000.000	804.700	2100.000	808.200	2200.000
GR	811.900	2300.000	812.000	2305.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	33.200	0.010	338.000	0.0	0.0	0.0
X1	120.000	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	795.100	797.100	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	812.000	0.0	1100.000	808.100	0.0	1200.000	806.500	0.0
BT	1300.000	805.000	0.0	1400.000	803.100	0.0	1500.000	800.800	0.0	1600.000
BT	798.100	0.0	1700.000	797.100	0.0	1778.000	797.300	795.000	1811.200	797.700
BT	795.100	1900.000	798.900	0.0	2000.000	801.000	0.0	2100.000	804.700	0.0
BT	2200.000	808.200	0.0	2300.000	811.900	0.0	2305.000	812.000	0.0	0.0
VC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

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//RDSE41 JOB RTI.A25.P03078.MAK.M=1,T=2,P=100,PTY=1,D=RTIMS
***PROCLIB=RTI.MG.PROCLIB
// EXEC HEC2
XXG EXEC PGM=HEC2,R=500K                                00000010
XXSTEPLIB DD DSN=RTI.A25.P03078.JCW.LIB.LOAD,DISP=SHR    00000020
XXFT03F001 DD SYSOUT=A                                    00000030
XXFT01F001 DD DDNAME=SYSIN                              00000040
XXFT91F001 DD DSN=&I91,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000050
XX DCB=(BUFNO=1,RECFM=FR,LRECL=133,BLKSIZE=6384)        00000060
XXFT92F001 DD DSN=&I92,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000070
XX DCB=(BUFNO=1,RECFM=FR,LRECL=133,BLKSIZE=6384)        00000080
XXFT93F001 DD DSN=&I93,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000090
XX DCB=(BUFNO=1,RECFM=FR,LRECL=133,BLKSIZE=6384)        00000100
XXFT94F001 DD DSN=&I94,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000110
XX DCB=(BUFNO=1,RECFM=FR,LRECL=133,BLKSIZE=6384)        00000120
XXFT95F001 DD DSN=&I95,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000130
XX DCB=(BUFNO=1,RECFM=VBS,LRECL=1000,BLKSIZE=6400)      00000140
XXFT96F001 DD DSN=&I96,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)), 00000150
XX DCB=(BUFNO=1,RECFM=FR,LRECL=133,BLKSIZE=6384)        00000160

```

```

//SYSIN DD *
//
IEF236I ALLOC. FOR RDSE41 6
IEF237I 15C ALLOCATED TO STEPLIB
IEF237I 563 ALLOCATED TO FT03F001
IEF237I 502 ALLOCATED TO FT01F001
IEF237I 157 ALLOCATED TO FT91F001
IEF237I 157 ALLOCATED TO FT92F001
IEF237I 157 ALLOCATED TO FT93F001
IEF237I 157 ALLOCATED TO FT94F001
IEF237I 157 ALLOCATED TO FT95F001
IEF237I 157 ALLOCATED TO FT96F001

```

```

IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I RTI.A25.P03078.JCW.LIB.LOAD KEPT
IEF285I VOL SER NOS= RTI444.
IEF285I SYS77340.T154545.RV001.RDSE41.I91 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS77340.T154545.RV001.RDSE41.I92 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS77340.T154545.RV001.RDSE41.I93 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS77340.T154545.RV001.RDSE41.I94 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS77340.T154545.RV001.RDSE41.I95 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS77340.T154545.RV001.RDSE41.I96 DELETED
IEF285I VOL SER NOS= SPARE7.

```

```

G CORE=500K TIME---0:11.6 UR---620 RD/WR---0:00.0 RC-----0
G USED=234K CPU---0:02.1 DISK---397 REWND---0:00.0
G I/O---0:09.6 TAPE-----0 FL SR---0:00.0

```

```
RDSE41 TIME---0:11.6
```

```

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
1
1 *      *      ***      *      *
1 **     **     *      *      *      *
1 * * * * * *      *      *      *      *
1 * * * * * *      *      *      *      *
1 *      *      *      *      *      *
1 *      *      *      *      *      *
1 *      *      *      *      *      *
1
1
1 *****      *****      ***      *****      *      *      *****      *****      ***
1 *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1 *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1 *****      *      *      ****      *****      *      *      *      *      *      *      *      *      *
1 *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1 *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1 *      *      *****      *****      *****      *      *      *      *      *      *      *      *
1
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

```

PROGRAMMER=MAK

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND			JOB PARAMETERS			TIME USED INCLUDES			MISC. JOB VALUES		
	DATE	TIME		SPECIFIED	USED		NO.	EQUIVALENT			
ENTERED	12/06/77	15:44:18.0	TIME	2:00.0	0:13.2	CPU		0:02.1	LINES IN		67
EXECUTED	12/06/77	15:46:32.1	PAGES	100	13	UR EXCPS	672	0:02.7	LINES OUT		519
RETURNED	12/06/77	16:32:11.4	CARDS	0	0	DISK EXCPS	423	0:08.5	MEMORY TIME		6605 K-SEC
JOB ENTERED ON TUESDAY			PLOTS	0	0	TAPE READ-WRITE		0:00.0	PRIORITY		01
						TAPE FILE SEARCH		0:00.0	APPROX. COST		\$3.50

JOB CONSOLE LOG

```

N 15.45.45 JOB 611 -- RDSE41 -- JCL INTERPRETED, TUCC CPU #2
N 15.46.31 JOB 611 -- RDSE41 -- BEGINNING EXEC - INIT 5 - CLASS
L*15.46.32 JOB 611 +++++S=255,T=02,J=RDSE41 15:46:32 MAK
*15.46.34 JOB 611 IEF201I 237 NOW OFFLINE
N 15.46.58 JOB 611 END EXECUTION.

```

DHS

COPY#31

5-PAGES

160-LINES

0-PLOTS # RTI.A25.P03078

1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

INPUT RECORDS PROCESSED: 105
OUTPUT RECORDS PROCESSED: 105
MAXIMUM INPUT RECORD LENGTH: 80
MAXIMUM OUTPUT RECORD LENGTH: 88
MINIMUM INPUT RECORD LENGTH: 80
MINIMUM OUTPUT RECORD LENGTH: 80
END OF GENERAL PURPOSE COPY PROGRAM

INPUT BLOCKS PROCESSED: 105
MAXIMUM INPUT BLOCK LENGTH: 80
MINIMUM INPUT BLOCK LENGTH: 80

EJ

ER

GR	778.4	1400	784.7	1473						
QT	5	820	1390	1680	3100	1680				
X1	2635	12	1108	1134	920	920	520		-0.6	
GR	789.7	1000	776.5	1069	773.2	1100	773.1	1108	767.9	1118
GR	767.6	1124	767.2	1130	773.0	1134	776.7	1200	778.4	1300
GR	782.5	1400	788.8	1475						
X1	2685	0	0	0	50	50	50		+0.2	
NC	0.060	0.060	0.040	0.1	0.3					
X1	2735	23	1800	1828	50	50	50			
GR	792.6	1073	790.9	1100	787.7	1200	784.9	1300	783.5	1400
GR	784.0	1500	783.5	1600	780.9	1700	777.8	1800	773.8	1800
GR	767.8	1805	767.4	1815	767.4	1824	768.2	1828	777.7	1828
GR	779.1	1900	779.6	2000	781.8	2100	784.7	2200	786.9	2300
GR	789.6	2400	792.2	2500	794.5	2587				
SB	0.9	1.5	2.5		28	0.01	197			
X1	2756	0	0	0	21	21	21			
X2			1	775.2	777.7					
BT	18	1073	792.6	0	1100	790.9	0	1200	787.7	0
BT	1300	784.9	0	1400	783.5	0	1500	784.0	0	1600
BT	783.5	0	1700	780.9	0	1800	777.8	775.2	1828	777.7
BT	775.2	1900	778.1	0	2000	779.6	0	2100	781.8	0
BT	2200	784.7	0	2300	786.9	0	2400	789.6	0	2500
BT	792.2	0	2587	794.5	0					
NC	0.055	0.055	0.035	0.1	0.3					
X1	2806	12	1108	1134	50	50	50		+0.4	
GR	789.7	1000	776.5	1069	773.2	1100	773.1	1108	767.9	1118
GR	767.6	1124	767.2	1130	773.0	1134	776.7	1200	778.4	1300
GR	782.5	1400	788.8	1475						
X1	2856	0	0	0	50	50	50		+0.3	
QT	5	820	1390	1680	3100	1680				
X1	3415	12	1181	1200	359	359	359			
GR	796.5	1000	788.5	1075	782.1	1100	781.0	1108	775.8	1181
GR	770.4	1183	770.5	1190	770.5	1197	776.0	1200	776.2	1300
GR	777.6	1400	779.1	1500						

EU
 T1 DAVIDSON COUNTY BASIN H STREAM 31
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE
 J1 -10 3 0.005 763.7
 J2 2 -1
 T1 DAVIDSON COUNTY BASIN H STREAM 31
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE
 J1 -10 4 0.005 765.7
 J2 3 -1
 T1 DAVIDSON COUNTY BASIN H STREAM 31
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE
 J1 -10 5 0.005 766.7
 J2 15 -1

//RDSH31 JOB RTI.A25.PO3078.MAK.M=1.T=2.P=100.PRTY=1.C=RTIMG
 //PROCLIB=RTI.MG.PROCLIB
 // EXEC HEC2
 //SYSIN DD *

C	2	RDNO	NO	NAME	MXLCEL	762.9	RDELV	763.2		
C	228	RDNO	NO	NAME	MXLCEL	762.9	RDELV	763.2		
C	2756	RDNO	NCSR	1739	MXLCEL	775.2	RDELV	777.8		
T1	DAVIDSON COUNTY BASIN H STREAM 31									
T2	FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918									
T3	10 YEAR FLOOD WATER SURFACE PROFILE									
J1	-1	2			0.005			762.70		
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50	0	201					
NC	0.055	0.055	0.035	0.1	0.3					
QT	5	840	1420	1690	3100	1690	1690			
ET										
X1	115	11	1200	1225	115	115	115		-3.2	
GR	781.4	1000	767.2	1077	765.4	1100	763.4	1200	760.9	1203
GR	761.1	1212	761.3	1221	763.0	1225	764.7	1300	767.2	1400
GR	781.4	1489								
X1	165	0	0	0	50	50	50		+0.2	
NC	0.025	0.025	0.025	0.1	0.3					
X1	215	21	1190	1200	50	50	50			
GR	777.1	1000	772.4	1019	762.9	1049	762.3	1100	761.2	1180
GR	760.9	1190	759.5	1190.6	758.9	1192	759.5	1193.4	760.9	1194
GR	760.9	1196	759.5	1196.6	758.9	1198	759.5	1199.4	760.9	1200
GR	763.0	1300	762.1	1400	761.5	1500	761.5	1600	763.0	1900
GR	773.0	2100								
SR	0.9	1.5	2.5		8	0.01	25.12			
X1	228	0	0	0	13	13	13			
X2		1	762.9							
BT	20	1000	777.1	0	1019	772.4	0	1049	762.9	0
BT	1100	763.0	0	1190	763.2	760.9	1190.6	763.2	762.3	1192
BT	762.2	762.9	1193.4	763.2	762.3	1194	763.2	760.9	1196	763.2
BT	760.9	1196.6	763.2	762.3	1198	763.2	762.9	1199.4	763.2	762.3
BT	1200	763.2	760.9	1300	763.0	0	1400	763.0	0	1500
BT	763.0	0	1600	763.0	0	1900	763.0	0	2100	773.0
BT	0									
NC	0.055	0.055	0.035	0.1	0.3					
X1	278	11	1200	1225	50	50	50		-1.9	
GR	781.4	1000	767.2	1077	765.4	1100	763.4	1200	760.9	1203
GR	761.1	1212	761.3	1221	763.0	1225	764.7	1300	767.2	1400
GR	781.4	1489								
X1	628	0	0	0	350	350	350		+1.9	
QT	5	820	1400	1680	3100	1680				
X1	1715	12	1170	1200	1087	1087	1087			
GR	784.8	1000	771.6	1100	766.5	1170	763.0	1176	762.9	1182
GR	763.1	1188	766.7	1200	768.2	1271	771.4	1283	772.0	1300

INPUT RECFM: FB LRECL: 80 BLKSIZE: 80
OUTPUT RECFM: FB LRECL: 68 BLKSIZE: 1672

```

//COPYH31 JOB RTI,A25,P03078,DHS,T=(,45),PRTY=1,P=200
// EXEC COPY,PARM=LIST
*** PROCEDURE FOR EXECUTING PROGRAM "COPY" - A GENERAL PURPOSE COPYING 00000010
*** UTILITY. SEE TUCC MEMORANDUM NO. LS-103-0 FOR DOCUMENTATION. 00000020
*** 00000030
*** COMP. CENTER - UNIV. OF NORTH CAROLINA AT CHAPEL HILL, N. C. 27514 00000040
*** 00000050
XXG EXEC PGM=COPY WARNING - "LIST" OPTION IS DEFAULT 00000060
XXSTEPLIB DD DSN=UNCCC.MISCLIB,DISP=SHR 00000070
XXSYSPRINT DD SYSOUT=A,SPACE=(TRK,(20,10),RLSE) 00000080

```

```

//OUTPUT DD DSN=RTI,A25,P03078,DHS,SUBMIT,DISP=OLD
//INPUT DD DATA
//

```

```

IEF236I ALLOC. FOR COPYH31 G
IEF237I 156 ALLOCATED TO STEPLIB
IEF237I 56B ALLOCATED TO SYSPRINT
IEF237I 15B ALLOCATED TO OUTPUT
IEF237I 514 ALLOCATED TO INPUT
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I UNCCC,MISCLIB KEPT
IEF285I VOL SER NOS= TUC111.
IEF285I RTI,A25,P03078,DHS.SUBMIT KEPT
IEF285I VOL SER NOS= RTI111.
G CORE=100K TIME---0:03.7 UR---297 RD/WR---0:00.0 RC-----0
G JSE0=014K CPU---0:00.2 DISK---180 REWNO---0:00.0
G I/O---0:03.5 TAPE-----0 FL SR---0:00.0

```

```

COPYH31 TIME---0:03.7

```

```

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
1
1 ***** * * ***
1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 ***** * * *
1
1 ***** * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
1 ***** * * *
1
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

```

PROGRAMMER=DHS

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND			JOB PARAMETERS			TIME USED INCLUDES			MISC. JOB VALUES		
	DATE	TIME		SPECIFIED	USED		NO.	EQUIVALENT			
ENTERED	12/06/77	15:07:19.5	TIME	0:45.0	0:05.4	CPU		0:00,2	LINES IN		109
EXECUTED	12/06/77	15:08:11.7	PAGES	200	6	UR EXCPS	326	0:01,3	LINES OUT		156
RETURNED	12/06/77	16:31:37.3	CARDS	0	0	DISK EXCPS	195	0:03,9	MEMORY TIME		541 K-SEC
JOB ENTERED ON	TUESDAY		PLOTS	0	0	TAPE READ-WRITE		0:00,0	PRIORITY		01
						TAPE FILE SEARCH		0:00,0	APPROX. COST		\$1.04

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

```

N 15.08.06 JOB 786 -- COPYH31 -- JCL INTERPRETED, TUCC CPU #2
N 15.08.11 JOB 786 -- COPYH31 -- BEGINNING EXEC - INIT 1 - CLASS
L*15.08.11 JOB 786 +++++S=255,T=01,J=COPYH31 15:08:11 DHS
N 15.08.24 JOB 786 END EXECUTION.

```