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

C
 T1 DAVIDSON COUNTY BASIN # STRM 29 PAYNE CREEK
 T2 FLOODPLAIN STUDY AT ROYAL & DAVIDSON COUNTIES N-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IGN	MINV	TOIR	STRT	METRIC	HVINS	Q	WSEL	FO	
	-1.	2.	0.	0.	0.004000	0.0	0.0	0.	706.500	0.0	
J2	UPROF	IELO1	PREVS	XSECV	XSECH	FO	ALLDC	IBW	CHVIN	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	201.000	0.0	0.0	0.0	0.0	0.0	
IC	0.055	0.955	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0	
IT	5.000	1620.000	2700.000	3150.000	4100.000	3150.000	0.0	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	
A	X1	500.000	12.000	1300.000	1318.000	775.000	775.000	775.000	0.0	0.0	0.0
	GR	721.800	1000.000	716.300	1100.000	710.000	1156.000	707.400	1200.000	706.900	1300.000
	SR	701.900	1305.000	701.500	1309.000	701.600	1313.000	707.300	1318.000	706.300	1400.000
	GR	713.100	1500.000	724.300	1535.000	0.0	0.0	0.0	0.0	0.0	0.0
	IT	5.000	1615.000	2690.000	3145.000	4090.000	3145.000	0.0	0.0	0.0	0.0
B	X1	3700.000	15.000	1656.000	1476.000	2900.000	2900.000	2900.000	0.0	0.0	0.0
	GR	725.100	1000.000	717.700	1100.000	713.600	1162.000	714.000	1200.000	712.200	1300.000
	SR	713.400	1400.000	713.800	1456.000	710.200	1460.000	709.600	1467.000	709.700	1474.000
	GR	715.600	1476.000	713.700	1520.000	718.100	1600.000	723.700	1700.000	729.700	1772.000
	IT	5.000	1610.000	2680.000	3140.000	4080.000	3140.000	0.0	0.0	0.0	0.0
C	X1	5440.000	18.000	1400.000	1415.000	1740.000	1740.000	1740.000	0.0	-3.700	0.0
	GR	732.900	1000.000	729.600	1003.000	729.600	1013.000	724.600	1022.000	722.300	1071.000
	SR	719.100	1085.000	712.300	1120.000	716.700	1200.000	716.100	1300.000	715.200	1400.000
	GR	717.900	1404.000	713.100	1409.000	712.600	1414.000	715.900	1415.000	718.600	1500.000
	SR	721.700	1576.000	725.100	1600.000	732.700	1637.000	0.0	0.0	0.0	0.0
	X1	5490.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	-0.100	0.0
	IC	0.000	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
	X1	5540.000	18.000	1600.000	1565.000	50.000	50.000	50.000	0.0	0.0	0.0

GR	735.900	1012.000	730.700	1100.000	726.000	1200.000	722.500	1300.000	720.400	1400.000
GR	719.100	1500.000	720.600	1600.000	715.300	1600.000	714.200	1616.000	712.100	1622.000
GR	708.700	1632.500	710.400	1649.000	712.000	1665.000	720.600	1665.000	720.400	1700.000
GR	723.300	1800.000	730.200	1900.000	738.000	2000.000	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.500	0.0	65.000	3.000	449.000	0.0	0.0	0.0

5550 RDNQ MCSR 1260 MXLCEL 719.1 RDELV 720.6

X1	5550.000	0.0	0.0	0.0	19.000	19.000	19.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	719.100	719.100	0.0	0.0	0.0	0.0	0.0
X1	12.000	1012.000	735.900	0.0	1100.000	730.700	0.0	1200.000	726.000	0.0
X1	1530.000	722.500	0.0	1400.000	720.400	0.0	1500.000	719.100	0.0	1600.000
X1	520.600	719.100	1665.000	720.600	718.800	1700.000	720.400	0.0	1800.000	723.300
BT	0.0	1900.000	730.200	0.0	2000.000	738.000	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	5600.000	19.000	1000.000	1415.000	50.000	50.000	50.000	0.0	-2.100	0.0
GR	732.900	1000.000	729.600	1003.000	729.600	1013.000	724.600	1022.000	722.100	1071.000
GR	719.100	1085.000	710.300	1100.000	716.700	1200.000	716.100	1300.000	715.200	1400.000
GR	713.900	1404.000	713.100	1409.000	712.600	1414.000	715.900	1415.000	716.600	1500.000
GR	721.700	1576.000	725.100	1600.000	732.700	1637.000	0.0	0.0	0.0	0.0

C D

X1	5550.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
BT	5.000	1600.000	2650.000	3130.000	4050.000	3130.000	0.0	0.0	0.0	0.0

D E

X1	6364.000	0.0	0.0	0.0	705.000	705.000	705.000	0.0	1.900	0.0
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E F

X1	7070.000	0.0	0.0	0.0	706.000	706.000	706.000	0.0	1.900	0.0
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F G

X1	7775.000	21.000	1090.000	2134.000	705.000	705.000	705.000	0.0	-1.900	0.0
GR	737.900	1000.000	723.500	1090.000	722.900	1100.000	721.700	1186.000	721.800	1200.000
GR	722.100	1300.000	723.100	1400.000	722.800	1500.000	722.100	1600.000	721.200	1700.000
GR	721.000	1800.000	720.500	1320.000	720.200	1850.000	721.400	1900.000	720.500	1905.000
GR	721.400	1939.000	723.100	2000.000	723.200	2100.000	723.800	2134.000	731.200	2200.000
GR	735.900	2201.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G H

X1	8299.000	0.0	0.0	0.0	524.000	524.000	524.000	0.0	1.900	0.0
BT	5.000	1590.000	2100.000	3050.000	4000.000	3050.000	0.0	0.0	0.0	0.0

X1	9300.000	16.000	1346.000	1371.000	1520.000	1520.000	1520.000	0.0	-1.000	0.0
GR	740.900	1000.000	730.200	1051.000	726.100	1100.000	724.300	1200.000	724.700	1300.000
GR	724.700	1346.000	722.000	1349.000	722.000	1356.000	722.400	1366.000	724.800	1371.000
GR	725.000	1400.000	727.000	1500.000	729.200	1550.000	731.200	1600.000	738.900	1700.000
GR	742.300	1750.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

H I

X1	9350.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
BT	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	9400.000	22.000	1400.000	1434.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	742.600	1071.000	740.600	1100.000	735.200	1200.000	730.200	1300.000	727.700	1400.000
GR	720.900	1400.000	724.800	1415.000	722.700	1419.000	721.100	1433.000	721.400	1451.000
GR	721.100	1469.000	725.900	1469.100	724.600	1484.000	727.800	1484.000	727.800	1500.000
GR	728.600	1561.000	728.300	1500.000	729.500	1700.000	732.100	1800.000	735.600	1900.000
GR	740.600	2000.000	744.500	2095.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.500	0.0	04.000	4.000	289.000	0.0	0.0	0.0

9411 RDNQ NCSR 1762 MXLCEL 726.0 RDELV 727.8

X1	3422.000	0.0	0.0	0.0	22.000	22.000	22.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	726.000	727.700	0.0	0.0	0.0	0.0	0.0
BT	14.000	1071.000	742.600	0.0	1100.000	740.600	0.0	1200.000	735.200	0.0
BT	1300.000	730.200	0.0	1400.000	727.700	725.900	1484.000	727.800	726.000	1500.000
BT	727.800	0.0	1541.000	728.600	0.0	1600.000	728.300	0.0	1700.000	720.500
BT	0.0	1800.000	732.100	0.0	1900.000	735.600	0.0	2000.000	740.600	0.0
BT	2095.000	744.500	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	3472.000	16.000	1346.000	1371.000	50.000	50.000	50.000	0.0	-0.400	0.0
GR	740.900	1000.000	730.300	1951.000	726.100	1100.000	724.300	1200.000	724.700	1300.000
GR	724.700	1346.000	722.000	1348.000	722.000	1356.000	722.400	1366.000	724.800	1371.000
GR	725.000	1400.000	727.000	1500.000	729.200	1550.000	731.200	1600.000	738.900	1700.000
GR	742.300	1750.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	3522.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
BT	5.000	1520.000	2540.000	2990.000	3800.000	2990.000	0.0	0.0	0.0	0.0

IT

X1	11450.000	22.000	1481.000	1511.000	1653.000	1653.000	1653.000	0.0	0.0	0.0
GR	743.800	1000.000	735.900	1100.000	729.400	1200.000	729.600	1300.000	728.700	1400.000
GR	729.500	1481.000	728.200	1484.000	727.100	1496.000	727.400	1500.000	727.800	1506.000
GR	729.500	1511.000	728.500	1700.000	728.900	1600.000	728.900	1900.000	731.100	1920.000
GR	734.100	1996.000	734.400	2000.000	736.500	2050.000	740.100	2062.000	741.800	2100.000
GR	745.100	2179.000	746.400	2200.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	1040.000	1720.000	2050.000	3120.000	2050.000	0.0	0.0	0.0	0.0

JK

X1	12575.000	21.000	1347.000	1384.000	1300.000	1300.000	1300.000	0.0	-0.800	0.0
GR	743.700	1000.000	742.900	1060.000	737.700	1077.000	738.900	1084.000	738.600	1100.000
GR	736.100	1200.000	735.000	1300.000	731.800	1367.000	730.000	1369.000	730.600	1375.000
GR	730.800	1382.000	732.200	1384.000	733.200	1400.000	735.300	1500.000	734.500	1574.000
GR	736.400	1587.000	736.600	1600.000	734.900	1619.000	737.900	1700.000	744.000	1800.000
GR	743.200	1887.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	12650.000	0.0	0.0	0.0	75.000	75.000	75.000	0.0	0.200	0.0
NC	0.050	0.050	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	12700.000	25.000	1600.000	1953.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	752.400	1000.000	747.400	1200.000	743.700	1400.000	741.100	1500.000	738.900	1600.000
GR	736.900	1700.000	736.300	1800.000	737.100	1900.000	731.700	1900.000	730.600	1918.000
GR	730.100	1925.000	730.200	1932.000	733.100	1934.000	732.500	1953.000	737.200	1953.000
GR	736.600	2000.000	735.900	2100.000	736.100	2200.000	736.800	2300.000	737.800	2400.000
GR	749.200	2500.000	740.000	2600.000	743.500	2700.000	747.100	2800.000	752.500	2930.000
GR	1.000	1.500	2.000	0.0	53.000	1.000	170.000	0.0	0.0	0.0

12710 RDNQ NCSR 1757 MXLCEL 735.3 RDELV 737.2

X1	12710.000	0.0	0.0	0.0	19.000	19.000	19.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	735.300	735.900	0.0	0.0	0.0	0.0	0.0
BT	21.000	1000.000	752.900	0.0	1200.000	747.400	0.0	1400.000	743.700	0.0
BT	1500.000	741.100	0.0	1600.000	738.900	0.0	1700.000	736.900	0.0	1800.000
BT	736.300	0.0	1900.000	737.100	734.400	1935.000	737.200	734.400	1935.100	737.200
BT	735.300	1953.000	737.200	735.300	2090.000	736.600	0.0	2100.000	735.900	0.0
BT	2200.000	736.100	0.0	2300.000	736.800	0.0	2400.000	737.800	0.0	2500.000
BT	739.200	0.0	2600.000	740.800	0.0	2700.000	743.500	0.0	2800.000	747.100
BT	0.0	2930.000	752.500	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 BASTIN H STRM 29 PAYNE CREEK
T2 FLOODPLAIN STUDY AT ROMAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IRG	NINV	IDIR	STRT	METRIC	HVISS	Q	WSEL	FO
	-10.	3.	0.	0.	0.004000	0.0	0.0	0.	707.500	0.0
J2	PROF	IPLOT	PREVS	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 600.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	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
600.00	8.00	709.58	0.0	707.50	710.01	0.43	0.0	0.0	706.90
2700.	825.	915.	060.	284.	115.	307.	0.	0.	707.30
0.0	2.91	7.94	3.12	0.055	0.035	0.055	0.0	701.50	1163.06
0.004002	775.	775.	775.	0	0	4	0.0	285.21	1448.28

*SECNO 3700.000

3700.00	6.64	716.24	0.0	0.0	716.35	0.11	6.31	0.03	713.80
2690.	1970.	524.	196.	952.	117.	133.	64.	24.	713.80
0.32	2.07	4.50	1.07	0.055	0.035	0.055	0.035	709.60	1122.04
0.001364	2900.	2900.	2900.	5	0	0	0.0	435.76	1557.79

*SECNO 5440.000

5440.00	8.98	717.38	0.0	0.0	717.42	0.04	1.05	0.01	711.50
2680.	1911.	299.	449.	1413.	112.	401.	126.	42.	712.20
0.65	1.37	2.67	1.10	0.055	0.035	0.055	0.035	708.90	1076.34
0.000340	1700.	1700.	1700.	4	0	0	0.0	484.46	1560.80

*SECNO 5490.000

5490.00	8.60	717.40	0.0	0.0	717.43	0.03	0.02	0.00	711.40
2690.	1939.	294.	447.	1451.	114.	410.	128.	43.	712.10
0.66	1.34	2.59	1.07	0.055	0.035	0.055	0.035	708.80	1075.82
0.000312	50.	50.	50.	2	0	0	0.0	487.85	1563.68

CCHV= 0.100 CEHV= 0.300
*SECNO 5540.000

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

T1 DAVIDSON COUNTY BASIN H STRM 29 PAYNE CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IRG	MINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.004000	0.0	0.0	0.	709.500	0.0
J2	PROF	IPLOT	PREVS	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 CCHV= 0.300
 *SECNO 600.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	0LOB	ACH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
600.00	8.36	709.86	0.0	709.50	710.31	0.44	0.0	0.0	706.90
3150.	1011.	990.	1149.	323.	120.	345.	0.	0.	707.30
0.0	3.13	8.23	3.33	0.055	0.035	0.055	0.0	701.50	1158.29
0.004058	175.	775.	775.	0	0	4	0.0	294.14	1452.43

*SECNO 3700.000

3700.00	6.98	716.56	0.0	0.0	716.67	0.12	6.34	0.03	713.80
3145.	2503.	572.	251.	1057.	123.	160.	71.	25.	713.80
0.51	2.20	4.66	1.57	0.055	0.035	0.055	0.035	709.60	1117.30
0.001362	2900.	2900.	2900.	5	0	0	0.0	447.60	1564.91

*SECNO 5440.000

5440.00	8.34	717.74	0.0	0.0	717.78	0.04	1.09	0.01	711.50
3140.	2200.	535.	535.	1529.	117.	455.	140.	44.	712.20
0.52	1.48	2.34	1.15	0.055	0.035	0.055	0.035	708.90	1074.78
0.000361	1700.	1700.	1700.	4	0	0	0.0	494.77	1569.55

*SECNO 5490.000

5490.00	8.96	717.76	0.0	0.0	717.78	0.04	0.02	0.00	711.40
3140.	2250.	325.	505.	1568.	119.	473.	142.	44.	712.10
0.53	1.45	2.76	1.15	0.055	0.035	0.055	0.035	708.80	1074.26
0.000332	50.	50.	50.	2	0	0	0.0	498.21	1572.46

CCHV= 0.100 CCHV= 0.300
 *SECNO 5540.000

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

T1 DAVIDSON COUNTY BASIN H STRM 29 PAYNE CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6916
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	HIND	TOIR	STRLE	METRIC	HIVINS	0	WSEL	FO
	-10.	5.	0.	0.	0.004000	0.0	0.0	0.	710.500	0.0
J2	PROF	IDLOT	PREVS	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
 *SECHO 600.000

SECHO	DEPTH	CMSFL	CRJMS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
W	QLOA	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOC	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLQAL	XLCH	XLROB	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
600.00	8.91	710.41	0.0	710.50	710.00	0.47	0.0	0.0	706.90
4100.	1422.	1131.	1547.	402.	130.	420.	0.0	0.	707.30
0.0	3.54	8.69	3.68	0.055	0.035	0.055	0.0	701.50	1152.36
0.004077	775.	775.	775.	0	0	3	0.0	308.07	1460.44

*SECHO 3700.000

3700.00	7.54	717.14	0.0	0.0	717.27	0.13	6.36	0.03	713.80
4090.	3050.	665.	375.	1256.	134.	215.	85.	26.	713.80
0.29	2.43	4.95	1.74	0.055	0.035	0.055	0.035	709.60	1108.55
0.001365	2900.	2900.	2900.	4	0	0	0.0	469.51	1578.06

*SECHO 5440.000

5440.00	9.09	718.39	0.0	0.0	718.44	0.05	1.16	0.01	711.50
4080.	2926.	394.	755.	1743.	127.	560.	166.	45.	712.20
0.56	1.68	3.13	1.35	0.055	0.035	0.055	0.035	708.90	1071.91
0.000394	1740.	1740.	1740.	4	0	0	0.0	506.86	1578.77

*SECHO 5490.000

5490.00	9.61	718.41	0.0	0.0	718.46	0.05	0.02	0.00	711.40
4080.	2921.	393.	765.	1783.	129.	580.	169.	46.	712.10
0.57	1.64	3.05	1.32	0.055	0.035	0.055	0.035	708.80	1071.38
0.000365	50.	50.	50.	2	0	0	0.0	503.25	1579.63

CCHV= 0.100 CEHV= 0.300
 *SECHO 5540.000

 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

701.50 ✓
 711.50 ✓
 701.50 ✓
 702.50 ✓

SECTO	XLCH	ELTRD	ELLC	Q	LLMIN	CHSEL	CRAWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 600.000	775.00	0.0	0.0	1620.00	701.50	708.73 ✓	0.0	7.27	1177.53	1435.70	473.98	0.0
A 600.000	775.00	0.0	0.0	2700.00	701.50 ✓	709.58 ✓	0.0	7.94	1163.06	1448.28	706.28	0.85
A 600.000	775.00	0.0	0.0	3150.00	701.50	709.86 ✓	0.0	8.23	1158.29	1452.43	788.05	0.28
A 600.000	775.00	0.0	0.0	4100.00	701.50	710.41 ✓	0.0	8.69	1152.35	1460.44	952.23	0.54
B 3700.000	2900.00	0.0	0.0	1615.00	709.60	715.39	0.0	4.03	1134.91	1538.43	844.59	0.0
B 3700.000	2900.00	0.0	0.0	2690.00	709.60	716.24	0.0	4.50	1122.04	1557.79	1201.98	0.86
B 3700.000	2900.00	0.0	0.0	3145.00	709.60	716.56	0.0	4.66	1117.30	1564.91	1340.26	0.31
B 3700.000	2900.00	0.0	0.0	4090.00	709.60	717.14	0.0	4.95	1108.55	1578.06	1605.67	0.58
5440.000	1740.00	0.0	0.0	1610.00	708.90	716.38	0.0	2.20	1080.69	1536.40	1458.45	0.0
5440.000	1740.00	0.0	0.0	2680.00	708.90	717.38	0.0	2.67	1076.34	1560.80	1926.20	1.00
5440.000	1740.00	0.0	0.0	3140.00	708.90	717.74	0.0	2.84	1074.78	1569.55	2100.95	0.36
5440.000	1740.00	0.0	0.0	4080.00	708.90	718.39	0.0	3.13	1071.91	1573.77	2430.17	0.66
5490.000	50.00	0.0	0.0	1610.00	708.80	716.40	0.0	2.12	1080.20	1539.14	1509.54	0.0
5490.000	50.00	0.0	0.0	2680.00	708.80	717.40	0.0	2.59	1075.82	1563.68	1983.28	1.00
5490.000	50.00	0.0	0.0	3140.00	708.80	717.76	0.0	2.76	1074.26	1572.46	2159.99	0.36
5490.000	50.00	0.0	0.0	4080.00	708.80	718.41	0.0	3.05	1071.38	1579.63	2491.85	0.66
5540.000	50.00	0.0	0.0	1610.00	708.70	716.10	0.0	5.64	1600.00	1665.00	285.62	0.0
5540.000	50.00	0.0	0.0	2680.00	708.70	716.73	0.0	8.20	1600.00	1665.00	326.75	0.63
5540.000	50.00	0.0	0.0	3140.00	708.70	716.88	0.0	9.32	1600.00	1665.00	336.73	0.15
5540.000	50.00	0.0	0.0	4080.00	708.70	716.94	0.0	11.99	1600.00	1665.00	340.17	0.05
5559.000	19.00	719.10	719.10	1610.00	708.70	716.15	0.0	5.57	1600.00	1665.00	288.97	0.0
5559.000	19.00	719.10	719.10	2680.00	708.70	716.91	0.0	7.92	1600.00	1665.00	338.24	0.76
5559.000	19.00	719.10	719.10	3140.00	708.70	717.16	0.0	8.86	1600.00	1665.00	354.46	0.25
5559.000	19.00	719.10	719.10	4080.00	708.70	718.93	0.0	8.69	1600.00	1665.00	469.75	1.77
5609.000	50.00	0.0	0.0	1610.00	710.50	716.69	0.0	3.85	1090.74	1504.75	894.72	0.0
5609.000	50.00	0.0	0.0	2680.00	710.50	717.99	0.0	3.65	1080.65	1536.64	1462.89	1.30
5609.000	50.00	0.0	0.0	3140.00	710.50	718.50	0.0	3.60	1078.40	1549.25	1701.13	0.51
5609.000	50.00	0.0	0.0	4080.00	710.50	720.21	0.0	2.98	1070.82	1580.29	2539.81	1.70
5659.000	50.00	0.0	0.0	1610.00	712.60	717.38	717.38	9.54	1157.44	1461.62	376.72	0.0
5659.000	50.00	0.0	0.0	2680.00	712.60	717.93	717.93	10.61	1122.91	1479.02	559.12	0.35
5659.000	50.00	0.0	0.0	3140.00	712.60	718.23	0.0	10.27	1103.83	1488.63	672.20	0.30
5659.000	50.00	0.0	0.0	4080.00	712.60	720.17	0.0	5.41	1080.32	1538.49	1497.35	1.94

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
6364.000	705.00	0.0	0.0	1600.00	714.50	720.39	0.0	4.52	1096.41	1496.58	771.65	0.0
6364.000	705.00	0.0	0.0	2650.00	714.50	721.12	0.0	5.13	1084.47	1515.25	1075.90	0.73
6364.000	705.00	0.0	0.0	3130.00	714.50	721.34	0.0	5.49	1083.49	1520.74	1173.16	0.22
6364.000	705.00	0.0	0.0	4050.00	714.50	721.58	0.0	6.47	1082.49	1526.30	1273.02	0.23
7070.000	706.00	0.0	0.0	1600.00	716.40	721.91	0.0	5.67	1112.02	1484.50	622.60	0.0
7070.000	706.00	0.0	0.0	2650.00	716.40	722.67	0.0	6.09	1089.33	1506.60	926.12	0.76
7070.000	706.00	0.0	0.0	3130.00	716.40	722.96	0.0	6.25	1084.75	1513.67	1048.22	0.29
7070.000	706.00	0.0	0.0	4050.00	716.40	723.45	0.0	6.53	1082.59	1525.75	1263.18	0.49
7775.000	705.00	0.0	0.0	1600.00	718.30	722.31	0.0	0.73	1085.53	2137.70	2204.71	0.0
7775.000	705.00	0.0	0.0	2650.00	718.30	723.07	0.0	0.88	1080.78	2144.49	3009.83	0.76
7775.000	705.00	0.0	0.0	3130.00	718.30	723.37	0.0	0.95	1078.93	2147.12	3324.45	0.30
7775.000	705.00	0.0	0.0	4050.00	718.30	723.88	0.0	1.05	1075.74	2151.67	3871.68	0.51
8299.000	524.00	0.0	0.0	1600.00	720.20	722.39	0.0	3.00	1136.16	1974.72	533.81	0.0
8299.000	524.00	0.0	0.0	2650.00	720.20	723.18	0.0	2.32	1095.23	2086.52	1140.22	0.78
8299.000	524.00	0.0	0.0	3130.00	720.20	723.47	0.0	2.18	1090.39	2115.68	1434.47	0.29
8299.000	524.00	0.0	0.0	4050.00	720.20	723.97	0.0	2.07	1087.02	2135.59	1955.58	0.51
9300.000	1520.00	0.0	0.0	1590.00	721.00	726.07	0.0	3.97	1088.69	1501.56	842.16	0.0
9300.000	1520.00	0.0	0.0	2590.00	721.00	726.46	0.0	5.24	1063.83	1511.03	1017.07	0.41
9300.000	1520.00	0.0	0.0	3050.00	721.00	726.52	0.0	6.07	1083.41	1511.85	1032.45	0.04
9300.000	1520.00	0.0	0.0	4000.00	721.00	726.57	725.86	7.77	1082.80	1513.03	1054.90	0.05
9350.000	50.00	0.0	0.0	1590.00	721.10	726.13	0.0	4.05	1089.15	1500.67	825.86	0.0
9350.000	50.00	0.0	0.0	2590.00	721.10	726.58	0.0	5.23	1083.79	1511.11	1018.63	0.45
9350.000	50.00	0.0	0.0	3050.00	721.10	726.66	0.0	5.97	1083.00	1512.66	1047.87	0.07
9350.000	50.00	0.0	0.0	4000.00	721.10	726.82	0.0	7.27	1081.08	1516.40	1118.91	0.16
9400.000	50.00	0.0	0.0	1590.00	721.10	725.93	0.0	6.11	1400.00	1484.00	260.23	0.0
9400.000	50.00	0.0	0.0	2590.00	721.10	725.89	725.89	10.07	1400.00	1484.00	257.20	-0.03
9400.000	50.00	0.0	0.0	3050.00	721.10	726.25	726.25	10.63	1400.00	1484.00	286.88	0.35
9400.000	50.00	0.0	0.0	4000.00	721.10	726.96	726.96	11.52	1400.00	1484.00	347.13	0.72
9422.000	22.00	727.70	726.00	1590.00	721.10	726.11	0.0	5.77	1400.00	1484.00	275.70	0.0
9422.000	22.00	727.70	726.00	2590.00	721.10	726.05	0.0	9.57	1400.00	1484.00	270.64	-0.07
9422.000	22.00	727.70	726.00	3050.00	721.10	726.37	0.0	10.25	1400.00	1484.00	297.51	0.32
9422.000	22.00	727.70	726.00	4000.00	721.10	727.08	0.0	11.20	1400.00	1484.00	357.03	0.71
9472.000	50.00	0.0	0.0	1590.00	721.60	726.69	0.0	3.92	1088.40	1502.12	852.35	0.0
9472.000	50.00	0.0	0.0	2590.00	721.60	727.60	0.0	4.13	1077.36	1523.65	1259.51	0.95
9472.000	50.00	0.0	0.0	3050.00	721.60	728.18	0.0	3.98	1071.00	1536.03	1507.69	0.55
9472.000	50.00	0.0	0.0	4000.00	721.60	729.22	0.0	3.81	1058.87	1560.63	2010.12	1.04
9522.000	50.00	0.0	0.0	1590.00	722.00	726.73	0.0	4.79	1092.63	1486.59	705.93	0.0
9522.000	50.00	0.0	0.0	2590.00	722.00	727.67	0.0	4.80	1081.60	1515.38	1099.40	0.94
9522.000	50.00	0.0	0.0	3050.00	722.00	728.21	0.0	4.55	1075.32	1527.61	1337.87	0.54
9522.000	50.00	0.0	0.0	4000.00	722.00	729.24	0.0	4.25	1063.30	1551.14	1822.31	1.03
11450.000	1653.00	0.0	0.0	1580.00	727.10	730.32	0.0	3.54	1185.84	1951.65	968.08	0.0
11450.000	1653.00	0.0	0.0	2580.00	727.10	730.78	0.0	3.98	1178.68	1968.56	1329.86	0.47
11450.000	1653.00	0.0	0.0	2990.00	727.10	730.94	0.0	4.18	1176.35	1974.08	1450.20	0.15
11450.000	1653.00	0.0	0.0	3800.00	727.10	731.32	0.0	4.26	1170.53	1981.15	1754.99	0.38

SECNO	XLCH	ELTRD	ELLC	O	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
12575.000	1300.00	0.0	0.0	1040.00	729.20	733.95	733.78	8.22	1305.25	1575.71	253.38	0.0
12575.000	1300.00	0.0	0.0	1720.00	729.20	734.59	734.59	9.27	1264.74	1632.18	420.28	0.64
12575.000	1300.00	0.0	0.0	2050.00	729.20	734.79	734.75	9.68	1246.51	1637.61	490.31	0.20
12575.000	1300.00	0.0	0.0	3120.00	729.20	735.23	735.23	11.19	1205.91	1649.65	664.80	0.45
12650.000	75.00	0.0	0.0	1040.00	729.40	734.61	0.0	6.31	1281.63	1627.16	361.29	0.0
12650.000	75.00	0.0	0.0	1720.00	729.40	735.31	0.0	6.64	1217.24	1646.28	613.30	0.71
12650.000	75.00	0.0	0.0	2050.00	729.40	735.52	0.0	7.03	1199.58	1651.68	697.05	0.21
12650.000	75.00	0.0	0.0	3120.00	729.40	736.11	0.0	7.70	1175.69	1667.81	972.30	0.59
12700.000	50.00	0.0	0.0	1040.00	730.10	734.63	0.0	6.30	1900.00	1953.00	165.02	0.0
12700.000	50.00	0.0	0.0	1720.00	730.10	734.70	734.70	10.22	1900.00	1953.00	168.23	0.06
12700.000	50.00	0.0	0.0	2050.00	730.10	735.12	735.12	10.76	1900.00	1953.00	190.58	0.42
12700.000	50.00	0.0	0.0	3120.00	730.10	737.23	737.23	7.85	1683.37	2343.26	746.66	2.11
12719.000	19.00	735.90	735.30	1040.00	730.10	734.68	0.0	6.22	1900.00	1953.00	167.24	0.0
12719.000	19.00	735.90	735.30	1720.00	730.10	735.59	0.0	7.99	1900.00	1953.00	215.28	0.91
12719.000	19.00	735.90	735.30	2050.00	730.10	735.36	0.0	10.10	1900.00	1953.00	202.94	-0.24
12719.000	19.00	735.90	735.30	3120.00	730.10	737.45	0.0	6.89	1672.18	2365.65	898.14	2.09
12769.000	50.00	0.0	0.0	1040.00	729.70	735.31	0.0	4.85	1244.70	1638.13	497.21	0.0
12769.000	50.00	0.0	0.0	1720.00	729.70	736.69	0.0	3.68	1164.26	1675.53	1115.71	1.38
12769.000	50.00	0.0	0.0	2050.00	729.70	737.11	0.0	3.62	1147.41	1686.90	1336.97	0.42
12769.000	50.00	0.0	0.0	3120.00	729.70	738.01	0.0	3.88	1075.00	1706.77	1849.45	0.90
12844.000	75.00	0.0	0.0	1040.00	730.00	735.41	0.0	5.51	1262.41	1632.87	428.91	0.0
12844.000	75.00	0.0	0.0	1720.00	730.00	736.73	0.0	4.18	1174.59	1668.55	985.80	1.32
12844.000	75.00	0.0	0.0	2050.00	730.00	737.15	0.0	4.07	1157.87	1679.84	1198.24	0.42
12844.000	75.00	0.0	0.0	3120.00	730.00	738.05	0.0	4.27	1075.85	1702.50	1695.28	0.90
15300.000	2356.00	0.0	0.0	1040.00	736.40	740.04	0.0	3.24	1095.34	1534.91	636.66	0.0
15300.000	2356.00	0.0	0.0	1710.00	736.40	740.27	739.62	4.51	1092.94	1536.61	737.89	0.23
15300.000	2356.00	0.0	0.0	2040.00	736.40	740.44	739.74	4.84	1091.22	1537.18	810.83	0.17
15300.000	2356.00	0.0	0.0	3120.00	736.40	741.07	0.0	5.26	1084.57	1539.41	1097.33	0.63
17300.000	2125.00	0.0	0.0	1040.00	739.90	744.85	0.0	6.15	1047.49	1277.47	301.61	0.0
17300.000	2125.00	0.0	0.0	1670.00	739.90	745.83	0.0	5.78	1044.22	1279.97	529.97	0.98
17300.000	2125.00	0.0	0.0	1950.00	739.90	746.13	0.0	5.94	1043.24	1280.71	599.33	0.29
17300.000	2125.00	0.0	0.0	3120.00	739.90	746.92	0.0	7.07	1040.60	1282.73	789.07	0.80
20475.000	3050.00	0.0	0.0	1040.00	744.20	751.94	0.0	5.13	1092.78	1176.35	243.99	0.0
20475.000	3050.00	0.0	0.0	1670.00	744.20	752.85	0.0	6.74	1082.35	1184.26	329.31	0.92
20475.000	3050.00	0.0	0.0	1950.00	744.20	753.25	0.0	7.21	1077.81	1186.14	371.36	0.40
20475.000	3050.00	0.0	0.0	3120.00	744.20	754.83	0.0	8.36	1059.96	1193.54	561.59	1.58

SUMMARY OF ERRORS

- CAUTION SECNO= 5559.000 PROFILE= 4 20 TRIALS OF EG NOT ENOUGH
- CAUTION SECNO= 5659.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 5659.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 5659.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 5659.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 5659.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 5659.000 PROFILE= 2 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 AND:		
		10F	20	0.20
600.000	0.	-1.1	-0.3	0.5
3700.000	2900.	-1.2	-0.3	0.6
5440.000	4640.	-1.4	-0.4	0.7
5490.000	4690.	-1.4	-0.4	0.7
5540.000	4740.	-0.9	-0.2	0.1
5559.000	4759.	-1.0	-0.2	1.8
5609.000	4809.	-1.5	-0.5	1.7
5659.000	4859.	-0.9	-0.3	1.9
6364.000	5564.	-1.0	-0.2	0.2
7070.000	6270.	-1.1	-0.3	0.5
7775.000	6975.	-1.1	-0.3	0.5
8299.000	7499.	-1.1	-0.3	0.5
9300.000	9019.	-0.5	-0.0	0.1
9350.000	9069.	-0.5	-0.1	0.2
9400.000	9119.	-0.3	-0.4	0.7
9422.000	9141.	-0.3	-0.3	0.7
9472.000	9191.	-1.5	-0.5	1.0
9522.000	9241.	-1.5	-0.5	1.0
11450.000	10894.	-0.2	-0.2	0.4
12575.000	12194.	-0.6	-0.2	0.4
12650.000	12269.	-0.0	-0.2	0.6
12700.000	12319.	-0.5	-0.4	2.1
12719.000	12338.	-0.7	0.2	2.1
12769.000	12388.	-1.8	-0.4	0.9
12844.000	12463.	-1.7	-0.4	0.9
15300.000	14819.	-0.4	-0.2	0.6
17300.000	16944.	-1.3	-0.3	0.8
20475.000	19994.	-1.3	-0.4	1.6

WEIGHTED AVG FOR REACH		-1.1	-0.3	0.7

FNF FOR THE REACH = 010 WITH 99.00 OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = 2

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

BASIN H STR. 29

FLOODWAY

PAYNE CREEK

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PROGRAMMER=NAK

ACCOUNT=RTI.A25.P03078

JOB TIME=AROUND

JOB PARAMETERS

TIME USED INCLUDES

MISC. VALUES

DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT	MISC. VALUES		
ENTERED	10/11/77 11:23:51.0	TIME	2:00.0	0:20.2	CPU	0:05.4	LINES TO	169
EXECUTED	10/11/77 11:26:10.6	PAGES	200	25	UR EXCPS	1502	LINES JOB	1248
RETURNED	10/12/77 10:30:34.6	CARDS	0	0	DISK EXCPS	440	MEMORY TIME	10115 K-SEC
JOB ENTERED BY	THESDAY	LOTS	0	0	TAPE READ-WRITE	0:00.0	PRIORITY	01
					TAPE FILE SEARCH	0:00.0	APPROX. COST	56.20

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

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11.24.56 JOB 78 -- DDMS26 -- JCL INTERPRETED, TACC CPU #2
11.26.17 JOB 78 -- DDMS26 -- RESILIING EXEC - IMIT 4 - CLASS
11.26.18 JOB 78 +++++S=205,T=02,=DDMS29 11:26:10 NAK
11.28.73 JOB 78 END EXECUTION.

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

C
 T1 DAVIDSON COUNTY BASIN H STRM 29 PAYNE CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	TOUCLK	IBW	HIBV	TOIR	STRT	METRIC	HVTHS	Q	WSEL	FR
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	799.860	0.0
J2	GRDF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	0.7	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE COEFS FOR SUMMARY PRINTOUT									
	33.000	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
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
DT	5.000	1620.000	2700.000	3150.000	4100.000	3150.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0
SI	690.000	712.000	1200.000	1318.000	775.000	775.000	775.000	0.0	0.0	0.0
SR	721.800	1000.000	716.300	1100.000	710.000	1156.000	707.400	1200.000	706.900	1300.000
SS	701.900	1305.000	701.500	<u>1309.000</u>	701.600	1313.000	707.300	1318.000	706.300	1400.000
SP	713.100	1500.000	724.300	1535.000	0.0	0.0	0.0	0.0	0.0	0.0
ST	5.000	1615.000	2490.000	3145.000	4090.000	3145.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0
SI	3700.000	15.000	1456.000	1476.000	2900.000	2900.000	2500.000	0.0	0.0	0.0
SR	720.100	1000.000	717.700	1100.000	713.600	1162.000	714.000	1200.000	712.200	1300.000
SS	713.600	1500.000	<u>1313.000</u>	1456.000	710.200	1460.000	709.600	1467.000	709.700	1474.000
SP	713.600	1476.000	713.700	1500.000	718.100	1600.000	723.700	<u>1700.000</u>	729.700	1772.000
ST	5.000	1610.000	2100.000	3140.000	4080.000	3140.000	0.0	0.0	0.0	0.0
SI	1991.000	18.000	1400.000	1415.000	1740.000	1740.000	1740.000	0.0	-3.700	0.0
SR	713.500	1000.000	729.600	1003.000	729.600	1013.000	724.600	1022.000	722.300	1071.000
SS	713.100	1000.000	718.300	1100.000	716.700	1200.000	716.100	1500.000	<u>715.200</u>	1400.000
SP	713.900	1400.000	713.100	1409.000	712.600	<u>1414.000</u>	715.900	1415.000	713.600	1500.000
ST	721.700	1776.000	713.100	1500.000	732.700	1537.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0
SI	2490.000	0.1	0.0	0.0	50.000	50.000	50.000	0.0	-0.100	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

A

B

C

X1	5540.000	18.000	1600.000	1665.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	735.900	1012.000	730.700	1100.000	726.000	1200.000	722.500	1300.000	720.400	1400.000
GF	719.100	506.000	720.600	1600.000	715.300	1600.000	714.200	1616.000	712.100	1622.000
SR	703.700	1632.500	710.400	1649.000	712.000	1665.000	720.600	1665.000	720.400	1700.000
GR	723.300	1500.000	730.200	1900.000	730.000	2000.000	0.0	0.0	0.0	0.0
SR	1.050	1.500	2.500	0.0	65.000	3.000	449.000	0.0	0.0	0.0

NONA MCSR 1860 MXLCEL 719.1 ROELV 720.6

X1	5559.000	0.0	0.0	0.0	19.000	19.000	19.000	0.0	0.0	0.0
SR	0.0	0.0	1.600	719.100	719.100	0.0	0.0	0.0	0.0	0.0
BT	12.000	1012.000	735.900	0.0	1100.000	730.700	0.0	1200.000	726.000	0.0
BT	1300.000	722.500	0.0	1400.000	720.400	0.0	1500.000	719.100	0.0	1600.000
BT	720.600	719.100	1665.000	720.600	718.800	1700.000	720.400	0.0	1800.000	723.300
BT	0.0	1900.000	730.200	0.0	2000.000	730.000	0.0	0.0	0.0	0.0
IC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5509.000	18.000	1400.000	1415.000	50.000	50.000	50.000	0.0	-2.100	0.0
GR	732.900	1000.000	729.600	1003.000	729.600	1013.000	724.600	1022.000	722.300	1071.000
SR	719.100	1095.000	718.300	1100.000	716.700	1200.000	716.100	1300.000	715.200	1400.000
GR	717.900	1400.000	713.100	1409.000	712.600	1414.000	715.900	1415.000	715.600	1510.000
SR	721.700	1576.000	725.100	1600.000	732.700	1637.000	0.0	0.0	0.0	0.0

D X1	5559.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
BT	5.000	1600.000	2650.000	3130.000	4050.000	310.000	0.0	0.0	0.0	0.0
BT	0.0	0.0	0.0	0.0	0.0	0.400	0.0	0.0	0.0	0.0

E X1	6364.000	0.0	0.0	0.0	705.000	705.000	705.000	0.0	1.900	0.0
BT	0.0	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0

F X1	7070.000	0.0	0.0	0.0	706.000	706.000	706.000	0.0	1.900	0.0
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G X1	7775.000	21.000	1000.000	2134.000	705.000	705.000	705.000	0.0	-1.900	0.0
GR	737.900	1000.000	1223.500	1090.000	722.900	1100.000	721.700	1186.000	721.800	1200.000
SR	722.100	1300.000	723.100	1400.000	722.800	1500.000	722.100	1600.000	721.200	1700.000
GR	721.000	1600.000	720.500	1820.000	720.200	1850.000	721.400	1900.000	720.500	1905.000
SR	721.400	1939.000	723.100	2000.000	723.200	2100.000	723.800	2134.000	731.200	2200.000
GR	731.900	2281.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	0.0	0.0	0.0	0.0	0.0	-9.400	0.0	0.0	0.0	0.0

H X1	524.000	0.0	0.0	0.0	524.000	524.000	524.000	0.0	1.900	0.0
BT	5.000	1590.000	2590.000	3050.000	4000.000	3050.000	0.0	0.0	0.0	0.0

I X1	5559.000	18.000	1366.000	1371.000	1520.000	1520.000	1520.000	0.0	-1.000	0.0
GR	740.900	1000.000	730.300	1051.000	726.100	1100.000	724.300	1200.000	724.700	1300.000
SR	724.700	1366.000	722.000	1348.000	722.000	1356.000	722.400	1366.000	724.800	1371.000
GR	725.000	1400.000	727.000	1500.000	729.200	1550.000	731.200	1600.000	738.900	1700.000
SR	722.500	1750.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

I X1	5559.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
IC	1.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	7400.000	22.000	1000.000	1424.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	742.600	1071.000	740.600	1100.000	735.200	1200.000	730.200	1300.000	727.700	1400.000
GR	724.900	1400.000	724.800	1415.000	722.700	1419.000	721.100	1433.000	721.400	451.000

GP	721.100	1469.000	725.900	1469.100	724.600	1484.000	727.800	1484.000	727.800	1500.000
GR	725.600	1561.000	728.300	1600.000	729.500	1700.000	732.100	1800.000	735.600	1900.000
SR	740.600	2000.000	744.300	2095.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.500	0.0	84.000	4.000	289.000	0.0	0.0	0.0

ROWC NCSR 1762 MXLCEL 726.0 RDELV 727.8

X1	7422.000	0.0	0.0	0.0	22.000	22.000	22.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	726.000	727.700	0.0	0.0	0.0	0.0	0.0
BT	14.000	1071.000	742.600	0.0	1100.000	740.600	0.0	1200.000	735.200	0.0
BT	1399.000	730.200	0.0	1400.000	727.700	725.900	1484.000	727.800	726.000	1500.000
BT	727.800	0.0	1561.000	728.200	0.0	1600.000	728.300	0.0	1700.000	720.500
BT	0.0	1002.000	732.100	0.0	1900.000	735.600	0.0	2000.000	740.600	0.0
JT	2005.000	744.500	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	-15.400	0.0	0.0	0.0	0.0

X1	9472.000	16.000	1346.000	1371.000	50.000	50.000	50.000	0.0	-0.400	0.0
GR	744.900	1000.000	730.700	1051.000	726.100	1100.000	724.300	1200.000	724.700	1300.000
GR	724.700	1346.000	722.000	1348.000	722.000	1356.000	722.400	1366.000	724.800	1371.000
GR	729.000	1400.000	727.000	1500.000	729.200	1550.000	731.200	1600.000	738.900	1700.000
GR	742.300	1750.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9522.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
JT	0.000	1580.000	2520.000	2990.000	3600.000	2990.000	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

J

X1	11450.000	22.000	1481.000	1511.000	1653.000	1653.000	1653.000	0.0	0.0	0.0
GR	743.800	1000.000	735.400	1100.000	729.400	1200.000	729.600	1300.000	728.700	1400.000
GR	729.500	1481.000	728.200	1484.000	727.100	1496.000	727.400	1500.000	727.800	1506.000
GR	720.500	1511.000	728.500	1700.000	728.900	1800.000	728.900	1900.000	731.100	1980.000
GR	734.100	1996.000	734.400	2000.000	736.500	2050.000	740.100	2062.000	741.800	2100.000
GR	745.100	2179.000	746.000	2200.000	0.0	0.0	0.0	0.0	0.0	0.0
JT	5.000	1040.000	1720.000	2050.000	3120.000	2050.000	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

K

X1	12575.000	21.000	1367.000	1384.000	1300.000	1300.000	1300.000	0.0	-0.800	0.0
GR	741.700	1000.000	742.000	1060.000	737.700	1077.000	738.900	1084.000	738.600	1100.000
GR	736.100	1200.000	735.000	1300.000	731.000	1367.000	730.000	1369.000	730.600	1375.000
GR	739.800	1382.000	732.200	1384.000	733.200	1400.000	735.300	1500.000	734.500	1574.000
GR	738.400	1567.000	736.600	1600.000	734.900	1619.000	737.900	1700.000	744.000	1800.000
GR	744.200	1887.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	12610.000	0.0	0.0	0.0	75.000	75.000	75.000	0.0	0.200	0.0
IC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	12700.000	25.000	1600.000	1653.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	752.400	1000.000	747.000	1200.000	747.700	1400.000	741.100	1500.000	738.900	1600.000
GR	740.900	1700.000	734.300	1600.000	737.100	1460.000	731.700	1900.000	730.600	1918.000
GR	730.100	1925.000	730.200	1932.000	733.100	1934.000	732.500	1953.000	737.200	1953.000
GR	745.600	2000.000	735.000	2100.000	736.100	2200.000	736.800	2300.000	737.800	2400.000
GR	749.200	2500.000	740.000	2500.000	743.500	2700.000	747.100	2800.000	752.500	2930.000
GR	1.000	1.000	2.000	0.0	53.000	1.000	170.000	0.0	0.0	0.0

ROWC NCSR 1757 MXLCEL 735.3 RDELV 737.2

X1	12713.000	0.0	0.0	0.0	19.000	19.000	19.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	735.300	735.900	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

01 DAVIDSON COUNTY BASTON STRM 29 PAYNE CREEK
 02 FLOODPLAIN STUDY AT KOWAL & DAVIDSON COUNTIES H-G JOB NO. 6918
 03 100 YEAR FLOODWAY

J1	CHECK	IND	ENV	DIR	STRT	MTRIC	HVINS	Q	WSEL	FO
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	710.860	0.0

J2	PROF	LOLOT	PREVS	XSECV	XSECH	FW	ALLOC	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 CRRV= 0.500

*SECTD 600.000

2800 NAT Q1= 493.29 WSEL= 709.86 ENC Q1= 493.29 WSEL= 710.86 RATIO= 0.0
 NAT Q1= 700. RATIOS LOB,CH,POB= 0.3636 0.2512 0.3852 WSEL= 710.86
 SECTD DEPTH CHSEL CRWS WSELK EG HV HL OLOSS BANK ELEV
 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE XLOB XLCH XLOB ITRIAL IDC ICNT CORAR TOPWID ENDST

3470 ENCROACHMENT STATIONS= 1240.0 1378.7 TYPE= 4 TARGET= 0.367
 600.00 2.36 710.86 0.0 709.86 711.52 0.66 0.0 0.0 706.90
 7150. 924. 1248. 974. 229. 138. 239. 0. 0. 707.30
 0.0 4.04 9.93 0.10 0.055 0.035 0.055 0.0 701.50 1239.96
 0.064061 775. 775. 775. 0 0 0 0.0 138.77 1376.73

*SECTD 3700.000

2800 NAT Q1= 252.99 WSEL= 716.56 ENC Q1= 252.99 WSEL= 717.26 RATIO= 0.0
 NAT Q1= 1165. RATIOS LOB,CH,POB= 0.7458 0.1592 0.0940 WSEL= 717.26

3301 HV CHANGED MORE THAN HVINS

3476 ENCROACHMENT STATIONS= 1250.6 1512.3 TYPE= 4 TARGET= 0.268
 3700.00 7.79 717.39 0.0 716.56 717.54 0.15 5.30 0.05 713.80
 3145. 3120. 675. 273. 367. 140. 130. 50. 13. 713.80
 0.27 2.53 0.34 2.12 0.055 0.035 0.055 0.035 709.60 1259.62
 0.001247 2200. 2200. 2500. 3 0 0 0.0 252.72 1512.34

*SECTD 3040.000

2800 NAT Q1= 1653.77 WSEL= 717.74 ENC Q1= 1653.77 WSEL= 718.44 RATIO= 0.0
 NAT Q1= 2104. RATIOS LOB,CH,POB= 0.7168 0.0972 0.1660 WSEL= 718.44

3470 ENCROACHMENT STATIONS= 1188.7 1493.7 TYPE= 4 TARGET= 0.206

 DEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CODE - 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 (PRINTED)

	SLC NO	XLCH	ELTOP	ELLC	Q	ELMIN	CASEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	606.000	775.00	0.0	0.0	3150.00	701.50	709.86	0.0	8.24	1158.37	1452.36	786.61	0.0
*	600.000	775.00	0.0	0.0	3150.00	701.50	710.86	0.0	9.03	1239.96	1378.73	605.70	1.00
	3700.000	2960.00	0.0	0.0	3145.00	709.60	716.56	0.0	4.65	1117.27	1564.95	1341.07	0.0
*	3700.000	2980.00	0.0	0.0	3145.00	709.60	717.39	0.0	4.84	1259.62	1512.34	1135.77	0.83
	5440.000	1740.00	0.0	0.0	3140.00	708.90	717.74	0.0	2.84	1074.77	1569.57	2101.41	0.0
	5440.000	1740.00	0.0	0.0	3140.00	708.90	718.53	0.0	2.97	1188.73	1493.65	1831.23	0.79
	5490.000	50.00	0.0	0.0	3140.00	708.80	717.76	0.0	2.75	1074.25	1572.49	2160.47	0.0
	5490.000	50.00	0.0	0.0	3140.00	708.80	718.54	0.0	3.09	1206.20	1487.66	1743.93	0.79
	5540.000	50.00	0.0	0.0	3140.00	708.70	716.99	0.0	9.32	1600.00	1665.00	336.81	0.0
	5540.000	50.00	0.0	0.0	3140.00	708.70	717.99	0.0	7.69	1600.00	1665.00	408.25	1.10
	5559.000	19.00	719.10	719.10	3140.00	708.70	717.16	0.0	8.86	1600.00	1665.00	354.54	0.0
	5559.000	19.00	719.10	719.10	3140.00	708.70	718.16	0.0	7.48	1600.00	1665.00	419.52	1.00
	5609.000	50.00	0.0	0.0	3140.00	710.50	718.50	0.0	3.60	1078.40	1549.26	1701.36	0.0
	5609.000	50.00	0.0	0.0	3140.00	710.50	719.07	0.0	4.30	1227.37	1472.17	1268.72	0.57
	5659.000	50.00	0.0	0.0	3140.00	712.60	718.23	0.0	10.27	1103.75	1488.66	672.65	0.0
*	5659.000	50.00	0.0	0.0	3140.00	712.60	718.73	718.73	13.60	1316.47	1434.10	388.40	0.49
	6369.000	705.00	0.0	0.0	3130.00	714.50	721.34	0.0	5.49	1093.49	1520.73	1172.97	0.0
*	6369.000	705.00	0.0	0.0	3130.00	714.50	722.38	0.0	5.01	1219.28	1464.20	1105.93	1.03
	7070.000	705.00	0.0	0.0	3130.00	716.40	722.96	0.0	6.25	1084.75	1513.67	1048.22	0.0
*	7070.000	705.00	0.0	0.0	3130.00	716.40	723.60	0.0	6.87	1252.57	1453.69	804.75	0.65
	7770.000	705.00	0.0	0.0	3130.00	718.30	723.37	0.0	0.95	1078.93	2147.12	3324.20	0.0
*	7770.000	705.00	0.0	0.0	3130.00	718.30	724.05	0.0	0.78	1090.00	2134.00	4008.52	0.68
	8290.000	674.00	0.0	0.0	3130.00	720.20	723.47	0.0	2.18	1090.40	2115.65	1433.99	0.0
*	8290.000	674.00	0.0	0.0	3130.00	720.20	724.10	0.0	1.50	1090.00	2134.00	2080.45	0.63
	9300.000	1520.00	0.0	0.0	3050.00	721.00	725.52	0.0	6.06	1083.41	1511.86	1032.76	0.0
*	9300.000	1520.00	0.0	0.0	3050.00	721.00	725.91	725.91	11.49	1223.29	1419.04	484.04	-0.61

SECTID	XLCH	ELTRD	ELLC	Q	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
0450.000	50.00	0.0	0.0	3050.00	721.10	726.66	0.0	5.96	1082.99	1512.68	1048.19	0.0
0450.000	50.00	0.0	0.0	3050.00	721.10	726.84	0.0	8.28	1222.25	1419.86	652.41	0.19
0400.000	50.00	0.0	0.0	3050.00	721.10	726.25	726.25	10.63	1400.00	1484.00	286.86	0.0
0400.000	50.00	0.0	0.0	3050.00	721.10	726.54	0.0	9.79	1400.00	1484.00	311.40	0.29
0422.000	22.00	727.70	726.00	3050.00	721.10	726.43	0.0	10.07	1400.00	1484.00	302.85	0.0
0422.000	22.00	972995.00	0.0	3050.00	721.10	726.72	0.0	9.35	1400.00	1484.00	326.25	0.29
0422.000	50.00	0.0	0.0	3050.00	721.60	728.17	0.0	3.99	1071.03	1535.87	1504.50	0.0
0472.000	50.00	0.0	0.0	3050.00	721.60	728.00	0.0	6.70	1228.25	1426.11	791.16	-0.10
0522.000	50.00	0.0	0.0	3050.00	722.00	728.21	0.0	4.56	1075.40	1527.46	1334.92	0.0
0522.000	50.00	0.0	0.0	3050.00	722.00	728.13	0.0	7.88	1237.37	1413.89	669.85	-0.08
11450.000	1253.00	0.0	0.0	2950.00	727.10	730.94	0.0	4.17	1176.33	1974.13	1451.34	0.0
11650.000	1253.00	0.0	0.0	2950.00	727.10	731.93	0.0	3.77	1315.06	1782.24	1415.17	0.99
12575.000	1300.00	0.0	0.0	2050.00	729.20	734.78	734.78	9.70	1246.71	1637.53	489.16	0.0
12575.000	1300.00	0.0	0.0	2050.00	729.20	735.03	735.03	13.26	1350.66	1414.33	236.20	0.30
12650.000	75.00	0.0	0.0	2950.00	729.40	735.52	0.0	7.02	1199.44	1651.75	698.11	0.0
12650.000	75.00	0.0	0.0	2050.00	729.40	736.92	0.0	7.26	1340.39	1434.69	465.36	1.40
12700.000	50.00	0.0	0.0	2050.00	730.10	735.12	735.32	10.75	1900.00	1953.00	190.64	0.0
12700.000	50.00	0.0	0.0	2050.00	730.10	736.83	0.0	7.29	1900.00	1953.00	281.37	1.71
12710.000	19.00	735.90	735.30	2050.00	730.10	735.36	0.0	10.10	1900.00	1953.00	203.02	0.0
12710.000	19.00	932995.00	0.0	2050.00	730.10	737.07	0.0	6.98	1900.00	1953.00	293.78	1.71
12780.000	50.00	0.0	0.0	2050.00	729.70	737.11	0.0	3.62	1147.40	1686.90	1337.10	0.0
12780.000	50.00	0.0	0.0	2050.00	729.70	737.84	0.0	4.22	1303.55	1498.87	907.84	0.73
12844.000	75.00	0.0	0.0	2050.00	730.00	737.15	0.0	4.07	1157.86	1679.85	1198.36	0.0
12844.000	75.00	0.0	0.0	2050.00	730.00	737.88	0.0	4.76	1311.99	1485.20	790.84	0.73
13300.000	2750.00	0.0	0.0	2040.00	736.40	740.44	739.74	4.54	1091.23	1537.18	810.76	0.0
13300.000	2750.00	0.0	0.0	2040.00	736.40	741.47	0.0	5.78	1255.38	1438.07	566.56	1.03
17300.000	1125.00	0.0	0.0	1950.00	739.90	746.13	0.0	5.94	1043.24	1280.71	599.37	0.0
17300.000	1125.00	0.0	0.0	1950.00	739.90	747.10	0.0	6.75	1129.23	1241.95	437.44	0.97
20075.000	3050.00	0.0	0.0	1950.00	744.20	753.25	0.0	7.21	1077.81	1186.14	371.35	0.0
20075.000	3050.00	0.0	0.0	1950.00	744.20	754.00	0.0	7.29	1122.09	1164.93	301.45	0.75

SECTION 22 - PROFILE

CAUTION SECTION= 5050.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECTION= 5050.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECTION= 5050.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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FLOODWAY DATA, 100 YEAR FLOOD WATER SURFACE ELEVATION

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	DEPTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6 500.000	19.	606.	5.2	710.9	709.9	1.0
8 370.000	21.	1156.	2.3	717.4	716.6	0.8
10 500.000	50.	1531.	1.7	718.5	717.7	0.8
12 500.000	20.	1700.	1.0	713.6	712.8	0.8
14 500.000	28.	408.	7.7	718.0	716.9	1.1
16 500.000	25.	420.	7.5	716.2	717.2	1.0
18 500.000	24.	1269.	2.5	719.1	718.5	0.6
20 500.000	11 548	588 673	4.1 4.7	717.7 718.2	713.2	0.5 0.0
22 500.000	20.	1106.	2.3	722.3	721.5	1.0
24 500.000	20.	805.	2.9	723.6	723.0	0.6
26 500.000	1000.	8002.	3.8	724.1	723.4	0.7
28 500.000	1010.	2080.	1.8	724.1	723.5	0.6
30 500.000	120.	489.	6.3	726.0	725.5	0.5
32 500.000	100.	552.	4.7	726.9	726.7	0.2
34 500.000	100.	511.	4.3	726.3	726.2	0.3
36 500.000	100.	520.	4.3	726.7	726.4	0.3
38 500.000	100.	791.	3.9	728.2	728.2	0.0
40 500.000	100.	670.	4.5	728.2	728.2	0.0
42 500.000	40.	1915.	2.1	731.9	730.9	1.0
44 500.000	11 381	566 727	4.2 4.2	735.1 734.8	734.8	0.3 0.0
46 500.000	20.	465.	4.4	736.9	735.5	1.4
48 500.000	20.	281.	7.3	736.8	735.1	1.7
50 500.000	20.	299.	7.0	737.1	735.4	1.7
52 500.000	100.	400.	5.5	737.6	737.1	0.7
54 500.000	100.	791.	2.5	737.9	737.2	0.7
56 500.000	100.	567.	3.5	741.4	740.4	1.0
58 500.000	100.	637.	4.5	747.1	746.1	1.0
60 500.000	100 108	604 371	4.5 5.3	754.4 753	375.5	0.8 0.0