

PROFILE
HOWAN CO.
BASIN 5
STREAM 9

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1 *      *      *****      *****      ***      ***      *      *
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SOUTHSIDE TRIBUTARY

PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND JOB PARAMETERS TIME USED INCLUDES MISC. JOB VALUES

	DATE	TIME	SPECIFIED	USED		NO.	EQUIVALENT		
ENTERED	5/03/77	8:15:51.3	TIME	2:00.0	0:13.2	CPU	0:03.3	LINES IN	72
EXECUTED	5/03/77	8:16:24.1	PAGES	100	18	UR EXCPS	0:03.6	LINES OUT	762
RETURNED	5/03/77	13:18:52.9	CARDS	0	0	DISK EXCPS	0:06.2	MEMORY TIME	6575 K-SEC
JOB ENTERED ON	TUESDAY		PLOTS	0	0	TAPE READ-WRITE	0:00.0	PRIORITY	00
						TAPE FILE SEARCH	0:00.0	APPROX. COST	\$3.00

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

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8 8.16.20 JOB      8 -- RMAKG9    -- JCL INTERPRETED, TUCC CPU #2
9 8.16.23 JOB      8 -- RMAKG9    -- BEGINNING EXEC - INIT 2 - CLASS
L 8.16.24 JOB      8 *****S=069,T=02,J=RMAKG9    8:16:24 KEZIAH
M 8.16.35 JOB      8 END EXECUTION.

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

C
 1 ROWAN COUNTY BASIN G STREAM 9
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 691B
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INR	NINW	IDIR	STRT	METRIC	HVINS	Q	HSEL	EQ
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	757.000	0.0
J2	DPROF	IPLDT	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	1.000	34.000	3.000	4.000	27.000	28.000	26.000	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
QT	5.000	318.000	04.000	756.000	1132.000	756.000	0.0	0.0	0.0	0.0
E1	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0
X1	475.000	14.000	1594.000	1605.000	475.000	475.000	475.000	0.0	0.0	0.0
GR	770.000	1000.000	766.300	1100.000	762.200	1200.000	759.700	1300.000	756.500	1400.000
GR	754.700	1500.000	753.400	1525.000	754.700	1594.000	751.900	1597.000	751.700	1600.000
GR	751.800	1603.000	754.600	1605.000	754.100	1627.000	770.000	1674.000	0.0	0.0
QT	5.000	270.000	515.000	647.000	976.000	647.000	0.0	0.0	0.0	0.0
X1	2600.000	15.000	1448.000	1460.000	2125.000	2125.000	2125.000	0.0	-3.600	0.0
GR	795.500	1000.000	791.600	1100.000	787.400	1200.000	781.200	1300.000	777.900	1400.000
GR	777.900	1448.000	776.000	1451.000	775.900	1454.000	776.100	1457.000	777.700	1460.000
GR	778.300	1500.000	780.100	1547.000	783.500	1600.000	793.000	1700.000	795.100	1707.000
X1	2650.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.900	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	2700.000	16.000	1423.000	1438.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	795.100	1000.000	791.300	1100.000	786.000	1200.000	781.600	1300.000	779.700	1400.000
GR	776.900	1423.000	776.300	1426.000	775.000	1427.000	774.100	1430.000	774.400	1422.000
GR	777.800	1435.000	778.000	1438.000	781.400	1500.000	786.400	1600.000	794.400	1700.000
SR	795.100	1710.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.500	1.500	2.500	0.0	15.000	0.010	32.500	0.0	0.0	0.0
X1	2721.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	778.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	11.000	1000.000	795.100	0.0	1100.000	791.300	0.0	1200.000	786.000	0.0
BT	1300.000	781.600	0.0	1400.000	779.700	0.0	1423.000	779.500	778.000	1438.000
BT	779.500	778.000	1500.000	781.400	0.0	1600.000	786.400	0.0	1700.000	794.400
BT	0.0	1710.000	795.100	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	2771.000	15.000	1448.000	1460.000	50.000	50.000	50.000	0.0	-0.900	0.0
GR	795.500	1000.000	791.600	1100.000	787.400	1200.000	781.200	1300.000	777.900	1400.000
GR	777.900	1448.000	776.000	1451.000	775.900	1454.000	776.100	1457.000	777.700	1460.000
GR	778.300	1500.000	780.100	1547.000	783.500	1600.000	793.000	1700.000	795.100	1707.000

X1	2821.000	0.0	00.0	0.0	50.000	50.000	50.000	0.0	0.900	0.0
QT	5.000	111.000	230.000	301.000	487.000	301.000	0.0	0.0	0.0	0.0
X1	4200.000	13.000	1341.000	1343.000	1379.000	1379.000	1379.000	0.0	0.0	0.0
GR	813.800	1000.000	809.700	1100.000	605.000	1200.000	797.200	1300.000	795.900	1341.000
SR	795.400	1342.600	795.600	1343.000	797.000	1380.000	799.500	1400.000	800.800	1500.000
GR	803.500	1600.000	809.000	1700.000	810.600	1720.000	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

T1 ROWAN COUNTY BASIN G STREAM 9
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.010000	0.0	0.0	0.	758.000	0.0
J2	NPROF	IPLT	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

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRINS	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
475.00	3.51	755.21	0.0	758.00	755.59	0.38	0.0	0.0	754.70
604.	334.	221.	50.	116.	30.	21.	0.	0.	754.60
0.0	2.67	7.27	2.38	0.055	0.035	0.055	0.0	751.76	1471.59
0.009994	475.	475.	475.	0	0	6	0.0	158.69	1630.29
2600.00	3.12	775.42	0.0	0.0	775.82	0.40	20.22	0.01	774.30
515.	180.	221.	114.	72.	31.	47.	8.	8.	774.10
0.13	2.49	7.17	2.41	0.055	0.035	0.055	0.035	772.30	1366.19
0.009000	2125.	2125.	2125.	3	0	1	0.0	152.49	1518.69

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRINS	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
2650.00	3.10	776.30	776.30	0.0	776.71	0.41	0.46	0.0	775.20
515.	179.	223.	113.	71.	31.	46.	8.	8.	775.00
0.13	2.52	7.25	2.43	0.055	0.035	0.055	0.035	773.20	1366.69
0.009382	50.	50.	50.	30	6	1	0.0	151.56	1518.26

 HEC2 VERSION UPDATED JAN 1975
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 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN COUNTY BASIN 6 STREAM 9
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.010000	0.0	0.0	0.	760.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBN	CHNIM	ITRACE
	03.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV=	0.100	CEHV=	0.300							
SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV	
0	2LOB	ACH	OROB	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	
475.00	5.70	755.40	0.0	760.00	755.80	0.39	0.0	0.0	754.70	
756.	439.	247.	70.	141.	33.	26.	0.	0.	754.60	
0.0	3.11	7.60	2.71	0.055	0.035	0.055	0.0	751.70	1460.86	
0.009980	475.	475.	475.	0	0	7	0.0	170.00	1630.86	
2600.00	3.31	775.61	0.0	0.0	776.01	0.41	20.21	0.01	774.30	
647.	242.	249.	156.	89.	33.	59.	9.	8.	774.10	
0.13	2.73	7.52	2.65	0.055	0.035	0.055	0.035	772.30	1360.43	
0.009007	2125.	2125.	2125.	4	0	1	0.0	163.23	1525.65	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV	
0	2LOB	ACH	OROB	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	
2650.00	3.27	776.47	776.47	0.0	776.91	0.44	0.47	0.0	775.20	
647.	239.	254.	154.	85.	33.	57.	9.	8.	775.00	
0.13	2.81	7.79	2.72	0.055	0.035	0.055	0.035	773.20	1361.59	
0.009837	50.	50.	50.	30	6	1	0.0	161.07	1522.66	

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

T1 ROWAN COUNTY BASIN 6 STREAM 9
 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 0 WSEL FQ
 -10. 5. 0. 0. 0.010000 0.0 0.0 0. 761.000 0.0

J2 NPROF IPLDT PRFVS XSECV XSECH FN ALLDC IBW CHNIN ITRACE
 15.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CCHV= 0.100 CEHV= 0.300
 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL 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 XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

475.00 4.10 755.80 0.0 761.00 756.23 0.43 0.0 0.0 754.70
 1132. 707. 305. 121. 198. 37. 36. 0. 0. 754.60
 0.0 3.56 8.26 3.33 0.055 0.035 0.055 0.0 751.70 1438.80
 0.009978 475. 475. 475. 0 0 7 0.0 193.23 1632.03

2600.00 3.70 776.00 0.0 0.0 776.44 0.44 20.20 0.00 774.30
 976. 398. 311. 267. 125. 38. 86. 13. 9. 774.10
 0.12 3.18 8.22 3.10 0.055 0.035 0.055 0.035 772.30 1348.50
 0.009032 2125. 2125. 2125. 4 0 1 0.0 185.44 1533.94

3685 23 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO DEPTH CWSEL CRIWS 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 XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

2650.00 3.62 776.82 776.82 0.0 777.32 0.51 0.49 0.0 775.20
 976. 393. 322. 261. 117. 37. 80. 13. 9. 775.00
 0.13 3.35 8.75 3.26 0.055 0.035 0.055 0.035 773.20 1350.98
 0.010561 50. 50. 50. 30 6 1 0.0 188.82 1531.80

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH	
A	475.00	475.00	0.0	0.0	751.70	318.00	754.75	31.83	755.11	131.89	0.0	0.0	6.44
	475.00	475.00	0.0	0.0	751.70	604.00	755.21	60.42	755.59	158.69	0.0	0.0	7.27
	475.00	475.00	0.0	0.0	751.70	756.00	755.40	75.68	755.79	170.00	0.0	0.0	7.60
	475.00	475.00	0.0	0.0	751.70	1132.00	755.80	113.33	756.23	193.23	0.0	0.0	8.26
B	2600.00	2125.00	0.0	0.0	772.30	270.00	775.00	30.20	775.34	129.06	0.0	0.0	6.01
	2600.00	2125.00	0.0	0.0	772.30	515.00	775.42	54.28	775.82	152.49	0.0	0.0	7.17
	2600.00	2125.00	0.0	0.0	772.30	647.00	775.60	68.18	776.01	163.23	0.0	0.0	7.52
	2600.00	2125.00	0.0	0.0	772.30	976.00	776.00	102.87	776.43	185.44	0.0	0.0	8.22
	2650.00	50.00	0.0	0.0	773.20	270.00	775.90	30.46	776.24	129.36	0.0	0.0	5.97
	2650.00	50.00	0.0	0.0	773.20	515.00	776.30	53.17	776.71	151.56	0.0	0.0	7.29
	2650.00	50.00	0.0	0.0	773.20	647.00	776.47	65.23	776.91	161.07	0.0	0.0	7.79
	2650.00	50.00	0.0	0.0	773.20	976.00	776.82	94.97	777.32	180.82	0.0	0.0	8.75
	2700.00	50.00	0.0	0.0	774.10	270.00	778.12	19.56	779.01	27.78	0.0	0.0	7.77
	2700.00	50.00	0.0	0.0	774.10	515.00	779.21	44.76	780.14	56.18	0.0	0.0	8.50
	2700.00	50.00	0.0	0.0	774.10	647.00	779.64	59.59	780.55	67.48	0.0	0.0	8.71
	2700.00	50.00	0.0	0.0	774.10	976.00	780.37	95.17	781.27	116.37	0.0	0.0	9.28
	2721.00	21.00	779.50	778.00	774.10	270.00	779.47	53.47	779.66	63.10	0.0	0.0	3.93
	2721.00	21.00	779.50	778.00	774.10	515.00	780.62	111.39	780.81	134.29	0.0	0.0	4.34
	2721.00	21.00	779.50	778.00	774.10	647.00	780.90	132.32	781.11	154.29	0.0	0.0	4.78
	2721.00	21.00	779.50	778.00	774.10	976.00	781.36	174.51	781.65	187.51	0.0	0.0	5.80
	2771.00	50.00	0.0	0.0	775.00	270.00	779.69	230.29	779.70	236.18	0.0	0.0	1.22
	2771.00	50.00	0.0	0.0	775.00	515.00	780.83	459.80	780.84	280.96	0.0	0.0	1.37
	2771.00	50.00	0.0	0.0	775.00	647.00	781.14	538.91	781.15	290.79	0.0	0.0	1.53
	2771.00	50.00	0.0	0.0	775.00	976.00	781.68	693.09	781.70	308.04	0.0	0.0	1.90
C	2821.00	50.00	0.0	0.0	775.90	270.00	779.69	111.90	779.72	190.48	0.0	0.0	2.13
	2821.00	50.00	0.0	0.0	775.90	515.00	780.83	270.41	780.85	247.20	0.0	0.0	2.06
	2821.00	50.00	0.0	0.0	775.90	647.00	781.14	327.49	781.17	261.41	0.0	0.0	2.23
	2821.00	50.00	0.0	0.0	775.90	976.00	781.68	449.10	781.72	279.56	0.0	0.0	2.64
D	4200.00	1379.00	0.0	0.0	795.40	111.00	796.82	7.07	797.06	63.02	0.0	0.0	7.36
	4200.00	1379.00	0.0	0.0	795.40	230.00	797.14	14.01	797.46	79.32	0.0	0.0	9.00
	4200.00	1379.00	0.0	0.0	795.40	301.00	797.27	18.00	797.67	83.13	0.0	0.0	9.67
	4200.00	1379.00	0.0	0.0	795.40	487.00	797.57	29.06	798.07	89.27	0.0	0.0	10.78

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
475.000	318.000	754.752	0.0	0.0	0.0	131.387	0.0	475.000
475.000	604.000	755.210	0.458	0.0	0.0	158.693	-26.806	475.000
475.000	756.000	755.404	0.193	0.0	0.0	169.996	-38.109	475.000
475.000	1132.000	755.801	0.398	0.0	0.0	193.230	-61.343	475.000
2600.000	270.000	774.999	0.0	20.247	0.0	129.058	0.0	2125.000
2600.000	515.000	775.422	0.423	20.211	0.0	152.492	-23.433	2125.000
2600.000	647.000	775.605	0.183	20.201	0.0	163.226	-34.167	2125.000
2600.000	976.000	775.996	0.391	20.194	0.0	185.488	-56.380	2125.000

2650.000	270.000	775.905	0.0	0.906	0.0	129.362	0.0	50.000
2650.000	515.000	776.298	0.393	0.876	0.0	151.563	-21.202	50.000
2650.000	647.000	776.467	0.169	0.862	0.0	161.066	-31.705	50.000
2650.000	976.000	776.817	0.350	0.821	0.0	180.816	-51.456	50.000
2700.000	270.000	778.124	0.0	2.219	0.0	27.778	0.0	50.000
2700.000	515.000	779.209	1.085	2.911	0.0	56.182	-28.404	50.000
2700.000	647.000	779.641	0.432	3.174	0.0	67.477	-39.699	50.000
2700.000	976.000	780.368	0.727	3.551	0.0	116.372	-68.594	50.000
2721.000	270.000	779.472	0.0	1.348	0.0	63.102	0.0	21.000
2721.000	515.000	780.618	1.146	1.409	0.0	134.287	-71.185	21.000
2721.000	647.000	780.999	0.281	1.258	0.0	154.289	-91.187	21.000
2721.000	976.000	781.364	0.465	0.996	0.0	187.500	-124.406	21.000
2771.000	270.000	779.690	0.0	0.218	0.0	236.182	0.0	50.000
2771.000	515.000	780.829	1.139	0.211	0.0	280.957	-44.775	50.000
2771.000	647.000	781.139	0.310	0.240	0.0	290.791	-54.608	50.000
2771.000	976.000	781.683	0.544	0.319	0.0	308.042	-71.860	50.000
2821.000	270.000	779.688	0.0	-0.002	0.0	190.483	0.0	50.000
2821.000	515.000	780.830	1.142	0.001	0.0	247.195	-56.712	50.000
2821.000	647.000	781.140	0.310	0.001	0.0	261.411	-70.928	50.000
2821.000	976.000	781.685	0.545	0.002	0.0	279.563	-89.080	50.000
4200.000	111.000	796.815	0.0	17.128	0.0	63.018	0.0	1379.000
4200.000	230.000	797.142	0.326	16.312	0.0	79.320	-16.301	1379.000
4200.000	301.000	797.273	0.131	16.133	0.0	83.127	-20.109	1379.000
4200.000	487.000	797.567	0.294	15.883	0.0	89.268	-26.250	1379.000

DATA FOR LAST CROSS SECTION
PROFILE TYPE ENC

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0		0.0	11.055	0.0
2	0.0		0.0	13.640	2.585
3	0.0		0.0	14.525	3.470
4	0.0		0.0	16.150	5.096

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

EJ

 UFG2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN COUNTY BASIN 6 STREAM 9
 12 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-5 JOB NO. 6910
 13 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIS	SIRT	METRIC	AVINS	Q	USLL	FO
	1.	2.	0.	0.	0.016000	0.0	0.0	0.	757.000	0.0
J2	MPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHVIB	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	30.000	3.000	4.000	27.000	28.000	26.000	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
SI	5.000	318.000	204.000	756.000	1132.000	756.000	0.0	0.0	0.0	0.0
LI	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
GI	475.000	14.000	1594.000	1605.000	475.000	475.000	475.000	0.0	0.0	0.0
GR	770.000	1000.000	756.300	1200.000	752.200	1200.000	759.700	1300.000	756.500	1400.000
GR	754.700	1500.000	753.400	1525.000	754.700	1594.000	751.900	1597.000	751.700	1600.000
GR	751.800	1603.000	754.600	1605.000	754.100	1627.000	770.000	1674.000	0.0	0.0
SI	5.000	270.000	615.000	647.000	976.000	647.000	0.0	0.0	0.0	0.0
GI	2500.000	15.000	1448.000	1450.000	2125.000	2125.000	2125.000	0.0	-3.600	0.0
GR	795.500	1000.000	791.000	1100.000	787.400	1200.000	781.200	1300.000	777.900	1400.000
GR	777.900	1448.000	776.000	1451.000	775.900	1456.000	776.100	1457.000	777.700	1460.000
GR	770.300	1500.000	760.100	1507.000	783.500	1600.000	793.000	1700.000	795.100	1707.000
GI	2550.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.000	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
GI	2700.000	16.000	1423.000	1430.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	790.100	1000.000	791.300	1100.000	786.000	1200.000	781.500	1300.000	774.700	1400.000
GR	776.000	1448.000	774.500	1448.000	775.000	1427.000	774.100	1430.000	774.400	1432.000
GR	777.000	1435.000	773.000	1430.000	761.400	1500.000	765.000	1600.000	760.000	1700.000
GR	795.100	1710.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SI	0.000	1.500	2.500	0.0	15.000	0.010	32.500	0.0	0.0	0.0
GI	2.1.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
SI	0.0	0.0	1.000	770.000	0.0	0.0	0.0	0.0	0.0	0.0
SI	11.000	1000.000	791.300	0.0	1100.000	791.300	0.0	1300.000	795.000	0.0
SI	1300.000	781.300	0.0	1000.000	779.700	0.0	1425.000	779.500	778.000	1430.000
SI	770.300	770.000	0.500.000	781.000	0.0	1400.000	786.400	0.0	1700.000	794.400
SI	0.0	1710.000	0.295.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SI	0.000	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
GI	2771.000	15.000	1448.000	1450.000	50.000	50.000	0.000	0.0	-0.200	0.0
GR	795.500	1000.000	791.000	1100.000	787.400	1200.000	781.200	1300.000	777.900	1400.000
GR	777.900	1448.000	776.000	1451.000	775.900	1456.000	776.100	1457.000	777.700	1460.000
GR	770.300	1500.000	760.100	1507.000	783.500	1600.000	793.000	1700.000	795.100	1707.000

 MEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN COUNTY BASIN 6 STREAM 9
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ MINV IDIR STRT METRIC HVINS 0 WSEL EQ

-10. 3. 0. 0. 0.010000 0.0 0.0 0. 758.000 0.0

J2 NPROF IPLOT NREVS XSECV XSECH FN ALLOC IBW CHNIN ITRACE

2.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CEHVE 0.100 CEHVS 0.200
 SECNO DEPTH WSEL CRHS WSEL EG HV HL GLOSS BANK ELEV
 Q QLOB BCH QROB ALDB ACH ARQB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XPR WIN ELMIN STA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

475.00 3.51 755.21 0.0 758.00 755.59 0.38 0.0 0.0 754.70
 604. 354. 221. 50. 116. 30. 21. 0. 0. 754.50
 0.0 2.87 7.27 2.38 0.055 0.035 0.055 0.0 751.70 1471.59
 0.009994 475. 475. 475. 0 0 6 0.0 152.69 1530.29

2609.00 3.12 775.42 0.0 80.0 775.82 0.40 20.22 0.01 774.30
 515. 190. 221. 114. 72. 31. 47. 0. 8. 774.10
 0.13 2.49 7.17 2.41 0.055 0.035 0.055 0.035 772.30 1560.19
 0.009009 2125. 2125. 2125. 3 1 1 0.0 152.49 1510.69

5525 20 TRIALS USED WSEL,CESEL

7185 M11 SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO DEPTH WSEL CRHS WSEL EG HV HL GLOSS BANK ELEV
 Q QLOB BCH QROB ALDB ACH ARQB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XPR WIN ELMIN STA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

2650.00 3.10 776.50 776.30 0.0 776.71 0.41 0.46 0.0 775.20
 515. 179. 223. 115. 71. 31. 46. 0. 0. 775.00
 0.13 2.52 7.29 2.43 0.055 0.035 0.055 0.035 773.20 1550.69
 0.009382 50. 50. 50. 30 0 1 0.0 151.56 1510.26

 HEC2 VERSION UPDATED JAN 1979
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

01 ROWAN COUNTY BASIN F STREAM 9
 02 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918
 03 100 YEAR FLOOD WATER SURFACE PROFILE

01	ICHECK	IBC	RINV	ICR	STRT	RETRIC	IVINS	0	WSEL	FC
	-10.	0.	0.	0.	0.010000	0.0	0.0	0.	760.000	0.0
02	NPROF	NPLOT	NREVS	NSECV	XSECH	FN	ALOC	IBW	CRDIN	LRAGE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CEHV=	0.100	CEHV=	0.300									
SECH0	DEPTH	CWSL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV			
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT			
TIME	VLOB	VCH	VROB	XUL	XNCH	XHR	WTH	ELMIN	SSIA			
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LRUST			
475.00	3.70	755.00	0.0	760.02	755.80	0.34	0.0	0.0	754.70			
750.	439.	247.	70.	141.	33.	26.	0.	0.	730.50			
0.0	3.18	7.50	2.71	0.055	0.035	0.055	0.0	751.70	1460.35			
0.009980	075.	475.	475.	0	0	7	0.0	170.86	1520.86			
2600.00	3.31	775.51	0.0	0.0	776.01	0.41	20.21	0.01	774.30			
647.	242.	242.	156.	89.	33.	59.	9.	0.	774.10			
0.13	2.73	7.52	2.65	0.055	0.035	0.055	0.035	772.30	1360.43			
0.009007	2125.	2125.	2125.	4	0	1	0.0	163.23	1523.55			

360 20 TRIALS USED WSEL,CWSL

7185 F11 SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECH0	DEPTH	CWSL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV		
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT		
TIME	VLOB	VCH	VROB	XUL	XNCH	XHR	WTH	ELMIN	SSIA		
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LRUST		
2500.00	3.27	776.47	776.47	0.0	776.91	0.44	0.47	0.0	775.20		
647.	239.	254.	154.	85.	33.	57.	9.	0.	775.00		
0.13	2.31	7.79	2.72	0.055	0.035	0.055	0.035	773.20	1361.23		
0.009837	30.	59.	50.	30	6	1	0.0	161.07	1522.66		

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

T1 ROWAN COUNTY BASIN 6 STREAM 9
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-C JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

Q1	ICHECK	INQ	MINV	IOIR	STRT	METRIC	IVINS	G	WSEL	FQ
	-18.	5.	0.	0.	0.010000	0.0	0.0	0.	761.000	0.0
Q2	WPROF	WPLDT	PREVS	XSECV	XSECH	FI	ALLOC	IBW	CHMLN	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCIV= 0.100 CEHV= 0.300

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	WLOB	WCH	WROB	WALD	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
475.00	4.10	755.80	0.0	761.00	756.25	0.43	0.0	0.0	754.70
1132.	707.	305.	121.	198.	37.	36.	0.	0.	754.60
0.0	3.56	0.26	3.33	0.055	0.035	0.055	0.0	751.70	1438.80
0.009978	475.	475.	475.	0	0	7	0.0	193.23	1632.03
2600.00	3.70	776.00	0.0	0.0	776.44	0.44	20.20	0.00	774.30
973.	398.	311.	267.	125.	38.	86.	13.	9.	774.10
0.12	3.18	0.22	3.10	0.055	0.035	0.055	0.035	772.30	1348.50
0.009022	2125.	2125.	2125.	4	0	1	0.0	185.44	1530.94

3685 20 TRIALS USED WSEL, WSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	WLOB	WCH	WROB	WALD	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
2650.00	3.32	776.82	776.82	0.0	777.32	0.51	0.49	0.0	779.20
976.	393.	322.	261.	117.	37.	80.	13.	9.	775.00
0.13	3.35	0.75	3.25	0.055	0.035	0.055	0.055	773.20	1350.20
0.010561	50.	50.	50.	30	6	1	0.0	180.82	1531.80

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSL	TS	CG	TOPWID	SLOPE	STENCH	STENCH	VCH
A	475.00	475.00	0.0	0.0	751.70	518.00	754.70	51.53	755.11	131.89	0.0	0.0	6.94
	475.00	475.00	0.0	0.0	751.70	604.00	755.21	60.42	755.59	150.63	0.0	0.0	7.27
	475.00	475.00	0.0	0.0	751.70	756.00	755.40	75.59	755.79	170.00	0.0	0.0	7.66
	475.00	475.00	0.0	0.0	751.70	1132.00	755.60	113.35	755.23	203.23	0.0	0.0	6.26
B	2600.00	2125.00	0.0	0.0	772.30	270.00	775.00	30.20	775.34	129.06	0.0	0.0	6.01
	2600.00	2125.00	0.0	0.0	772.30	515.00	775.42	51.28	775.82	152.42	0.0	0.0	7.17
	2600.00	2125.00	0.0	0.0	772.30	647.00	775.60	64.16	776.01	163.23	0.0	0.0	7.52
	2600.00	2125.00	0.0	0.0	772.30	976.00	776.00	102.67	776.43	185.44	0.0	0.0	6.22
C	2650.00	50.00	0.0	0.0	773.20	270.00	775.90	30.46	776.24	129.36	0.0	0.0	3.97
	2650.00	50.00	0.0	0.0	773.20	515.00	776.30	53.17	776.71	151.56	0.0	0.0	7.29
	2650.00	50.00	0.0	0.0	773.20	647.00	776.47	65.23	776.91	161.07	0.0	0.0	7.79
	2650.00	50.00	0.0	0.0	773.20	976.00	776.82	94.97	777.32	180.82	0.0	0.0	6.75
D	2700.00	50.00	0.0	0.0	774.10	270.00	778.12	19.56	779.01	27.78	0.0	0.0	7.77
	2700.00	50.00	0.0	0.0	774.10	515.00	779.21	44.76	780.14	56.14	0.0	0.0	8.50
	2700.00	50.00	0.0	0.0	774.10	647.00	779.64	59.59	780.55	67.48	0.0	0.0	8.71
	2700.00	50.00	0.0	0.0	774.10	976.00	780.37	95.17	781.27	115.57	0.0	0.0	9.26
E	2721.00	21.00	779.50	778.00	774.10	270.00	779.47	53.47	779.66	63.10	0.0	0.0	3.93
	2721.00	21.00	779.50	778.00	774.10	515.00	780.62	111.39	780.81	134.29	0.0	0.0	4.34
	2721.00	21.00	779.50	778.00	774.10	647.00	780.90	132.52	781.11	154.29	0.0	0.0	4.76
	2721.00	21.00	779.50	778.00	774.10	976.00	781.36	174.51	781.65	187.51	0.0	0.0	5.00
F	2771.00	50.00	0.0	0.0	775.00	270.00	779.69	230.29	779.70	236.18	0.0	0.0	1.22
	2771.00	50.00	0.0	0.0	775.00	515.00	780.83	459.80	780.84	280.96	0.0	0.0	1.37
	2771.00	50.00	0.0	0.0	775.00	647.00	781.14	538.91	781.15	290.79	0.0	0.0	1.53
	2771.00	50.00	0.0	0.0	775.00	976.00	781.68	693.09	781.70	308.04	0.0	0.0	1.90
G	2821.00	50.00	0.0	0.0	775.90	270.00	779.69	111.90	779.72	190.48	0.0	0.0	2.13
	2821.00	50.00	0.0	0.0	775.90	515.00	780.83	270.41	780.85	247.20	0.0	0.0	2.06
	2821.00	50.00	0.0	0.0	775.90	647.00	781.14	327.49	781.17	261.41	0.0	0.0	2.23
	2821.00	50.00	0.0	0.0	775.90	976.00	781.68	449.70	781.72	279.56	0.0	0.0	2.64
H	4200.00	1373.00	0.0	0.0	795.40	111.00	795.82	7.07	797.06	63.02	0.0	0.0	7.36
	4200.00	1373.00	0.0	0.0	795.40	230.00	797.14	14.01	797.48	79.32	0.0	0.0	9.30
	4200.00	1373.00	0.0	0.0	795.40	301.00	797.27	18.09	797.67	83.13	0.0	0.0	9.67
	4200.00	1373.00	0.0	0.0	795.40	487.00	797.57	29.06	798.07	89.27	0.0	0.0	10.78

SECTION NUMBER	DISCHARGE CFS	CWSL	CWSL DIFF EACH 9	CWSL DIFF EACH SECTION	CWSL - WSECK	TOPWID	T.W. DIFF	LENGTH
475.000	518.000	754.702	0.0	0.0	0.0	131.887	0.0	475.000
475.000	604.000	755.210	0.458	0.0	0.0	150.693	-26.606	475.000
475.000	756.000	755.404	0.128	0.0	0.0	170.006	-38.109	475.000
475.000	1132.000	755.601	0.398	0.0	0.0	193.230	-61.543	475.000
2600.000	270.000	774.999	0.0	20.247	0.0	129.058	0.0	2125.000
2600.000	515.000	775.422	0.423	20.211	0.0	152.412	-23.453	2125.000
2600.000	647.000	775.605	0.183	20.201	0.0	163.226	-34.167	2125.000
2600.000	976.000	776.006	0.391	20.194	0.0	185.438	-56.380	2125.000

2650.000	270.000	775.505	0.0	0.905	0.0	129.362	0.0	50.000
2650.000	515.000	776.298	0.393	0.876	0.0	151.563	-22.202	50.000
2650.000	647.000	776.467	0.169	0.852	0.0	161.066	-31.705	50.000
2650.000	976.000	776.817	0.350	0.821	0.0	180.816	-31.455	50.000
2700.000	270.000	778.124	0.0	2.219	0.0	37.778	0.0	50.000
2700.000	515.000	779.209	1.085	2.911	0.0	56.182	-28.404	50.000
2700.000	647.000	779.441	0.432	3.174	0.0	67.477	-39.699	50.000
2700.000	976.000	780.360	0.727	3.551	0.0	116.372	-89.394	50.000
2721.000	270.000	779.472	0.0	1.340	0.0	63.102	0.0	21.000
2721.000	515.000	780.618	1.195	1.499	0.0	134.237	-71.185	21.000
2721.000	647.000	780.859	0.261	1.258	0.0	154.282	-91.187	21.000
2721.000	976.000	781.364	0.455	0.996	0.0	157.508	-129.606	21.000
2771.000	270.000	779.690	0.0	0.216	0.0	236.182	0.0	50.000
2771.000	515.000	780.829	1.137	0.211	0.0	280.957	-44.775	50.000
2771.000	647.000	781.139	0.510	0.290	0.0	290.791	-54.608	50.000
2771.000	976.000	781.663	0.594	0.319	0.0	308.042	-71.860	50.000
2821.000	270.000	779.688	0.0	-0.002	0.0	190.483	0.0	50.000
2821.000	515.000	780.856	1.142	0.001	0.0	247.195	-56.712	50.000
2821.000	647.000	781.140	0.510	0.001	0.0	261.911	-70.928	50.000
2821.000	976.000	781.685	0.545	0.002	0.0	279.563	-89.030	50.000
4200.000	111.000	796.215	0.0	17.128	0.0	63.016	0.0	1379.000
4200.000	230.000	797.142	0.526	16.312	0.0	79.320	-16.301	1379.000
4200.000	301.000	797.273	0.131	16.133	0.0	83.127	-20.109	1379.000
4200.000	487.000	797.557	0.294	15.883	0.0	89.268	-26.250	1379.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC.	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIEF
1	0.0	0.0	11.055	0.0
2	0.0	0.0	13.640	2.565
3	0.0	0.0	14.525	3.470
4	0.0	0.0	15.150	5.096

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