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

C
 1 KANNAPOLIS- ROWAN CO. STRM. 6K
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6910
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.008000	0.0	0.0	0.	769.200	0.0
J2	NPROF	YPLT	PRFVS	XSECV	XSECH	FN	ALLOC	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	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	276.000	521.000	652.000	978.000	652.000	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
X1	250.000	10.000	1054.000	1069.000	250.000	250.000	250.000	0.0	0.0	0.0
GR	783.200	1000.000	768.500	1043.000	766.800	1054.000	764.300	1060.000	764.200	1063.000
GR	764.300	1066.000	765.500	1069.000	766.900	1100.000	774.100	1200.000	781.600	1379.000
QT	5.000	232.000	441.000	554.000	837.000	554.000	0.0	0.0	0.0	0.0
X1	1400.000	12.000	1215.000	1225.000	1150.000	1150.000	1150.000	0.0	-3.500	0.0
GR	799.400	1000.000	791.700	1055.000	786.700	1100.000	783.600	1200.000	782.600	1215.000
GR	779.000	1216.000	779.100	1219.000	778.900	1223.000	780.900	1225.000	785.800	1292.000
GR	791.300	1300.000	805.400	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1500.000	25.000	1596.700	1603.200	50.000	50.000	50.000	0.0	0.0	0.0
GR	805.100	1045.000	801.800	1100.000	797.600	1200.000	797.700	1300.000	797.900	1330.000
GR	799.300	1400.000	794.800	1409.000	790.900	1436.000	785.900	1481.000	782.800	1581.000
GR	781.800	1596.000	781.600	1596.700	780.300	1597.000	779.000	1598.000	778.500	1599.000
GR	778.300	1600.000	778.500	1601.000	779.000	1602.000	780.300	1603.000	781.600	1603.200
GR	785.000	1673.000	790.500	1681.000	801.600	1760.000	804.500	1800.000	806.300	1825.000
SB	0.900	1.500	2.500	0.0	6.500	0.010	33.200	0.0	0.0	0.0
X1	1552.000	0.0	0.0	0.0	52.000	52.000	52.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	784.800	789.400	0.0	0.0	0.0	0.0	0.0
BT	19.000	1045.000	805.100	0.0	1100.000	801.800	0.0	1200.000	797.600	0.0
BT	1300.000	797.700	0.0	1330.000	797.900	0.0	1400.000	795.300	0.0	1500.000
BT	789.400	0.0	1596.700	789.600	781.600	1597.000	789.600	782.800	1598.000	789.600
BT	784.100	1599.000	789.600	784.600	1600.000	789.600	784.800	1601.000	789.600	784.600
BT	1602.000	789.600	784.100	1603.000	789.600	782.800	1603.200	789.600	781.600	1700.000
BT	797.200	0.0	1800.000	804.500	0.0	1825.000	806.300	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1602.000	12.000	1215.000	1225.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	799.400	1000.000	791.700	1055.000	786.700	1100.000	783.600	1200.000	782.600	1215.000

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T1 KANNAPOLIS- ROWAN CO. STRM. GK
 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	FO
	-10.	3.	0.	0.	0.008000	0.0	0.0	0.	770.200	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FII	ALLOC	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	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	XLODL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

250.00	4.32	768.51	0.0	770.20	768.77	0.25	0.0	0.0	766.80
521.	14.	273.	234.	10.	54.	90.	0.	0.	765.50
0.0	1.49	5.04	2.60	0.080	0.060	0.080	0.0	764.20	1042.96
0.007941	250.	250.	250.	0	0	4	0.0	79.48	1122.43

1400.00	4.78	780.18	0.0	0.0	780.64	0.45	11.81	0.06	779.10
441.	14.	279.	148.	9.	43.	53.	3.	2.	777.40
0.06	1.55	6.47	2.80	0.080	0.060	0.080	0.060	775.40	1197.25
0.014619	1150.	1150.	1150.	4	0	1	0.0	65.84	1263.09

1450.00	4.72	780.92	0.0	0.0	781.41	0.49	0.76	0.01	779.90
441.	12.	284.	145.	8.	42.	51.	4.	2.	778.20
0.07	1.51	6.68	2.87	0.080	0.060	0.080	0.060	776.20	1199.27
0.015892	50.	50.	50.	2	0	1	0.0	62.95	1262.23

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	XLODL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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T1 KANNAPOLIS- ROWAN CO. STRM. BR
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC HVING O WSEL FQ
 -10. 4. 0. 0. 0.008000 0.0 0.0 0. 772.200 0.0

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLOC IBW CHNIN ITRACE
 3.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CCHV= 0.100 CEHV= 0.300

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

250.00	4.67	768.87	0.0	772.20	769.15	0.28	0.0	0.0	766.80
652.	25.	319.	308.	14.	50.	110.	0.	0.	765.50
0.0	1.85	5.36	2.80	0.080	0.060	0.080	0.0	764.20	1041.92
0.007939	250.	250.	250.	0	0	5	0.0	85.44	1127.36

1400.00	5.14	780.54	0.0	0.0	781.01	0.47	11.80	0.06	779.10
554.	33.	318.	204.	17.	47.	67.	4.	2.	777.40
0.06	1.91	6.81	3.02	0.080	0.060	0.080	0.060	775.46	1105.87
0.014588	1150.	1150.	1150.	4	0	1	0.0	82.04	1267.91

1450.00	5.07	781.27	0.0	0.0	781.78	0.50	0.76	0.01	779.90
554.	30.	323.	201.	15.	45.	65.	4.	2.	778.20
0.06	1.93	7.03	3.11	0.080	0.060	0.080	0.060	776.20	1187.86
0.015799	50.	50.	50.	2	0	1	0.0	79.20	1267.06

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

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

T1 KANNAPOLIS- ROWAN CO. STRM. BR
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.008000	0.0	0.0	0.	773.200	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

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	ENDST

250.00	5.40	769.60	0.0	773.20	769.93	0.33	0.0	0.0	766.80
978.	97.	425.	497.	23.	71.	156.	0.	0.	765.50
0.0	2.45	6.00	3.18	0.080	0.060	0.080	0.0	764.20	1059.77
0.007944	250.	250.	250.	0	0	5	0.0	97.77	1137.55

1400.00	5.82	781.21	0.0	0.0	781.70	0.98	11.72	0.05	779.10
837.	104.	394.	339.	44.	53.	100.	6.	3.	777.40
0.06	2.35	7.37	3.41	0.080	0.060	0.080	0.060	775.40	1164.02
0.014271	1150.	1150.	1150.	5	0	1	0.0	113.15	1277.17

1450.00	5.73	781.93	0.0	0.0	782.46	0.53	0.75	0.01	779.90
837.	97.	403.	336.	40.	53.	95.	6.	3.	778.20
0.06	2.41	7.67	3.53	0.080	0.060	0.080	0.060	776.20	1166.63
0.015752	50.	50.	50.	2	0	1	0.0	109.43	1276.06

CCHV= 0.100 CEHV= 0.300
 3585 20 TRIALS USED WSEL,CWSEL
 7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

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	ENDST

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 OF GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
<i>1672</i> 250.00	250.00	0.0	0.0	764.20	276.00	767.65	30.84	767.85	62.00	0.0	0.0	4.22
<i>1672</i> 250.00	250.00	0.0	0.0	764.20	521.00	768.51	58.47	758.77	79.48	0.0	0.0	5.04
<i>1672</i> 250.00	250.00	0.0	0.0	764.20	652.00	768.87	73.17	769.15	85.44	0.0	0.0	5.36
<i>1672</i> 250.00	250.00	0.0	0.0	764.20	978.00	769.60	109.73	769.93	97.77	0.0	0.0	6.00
<i>1674</i> 1400.00	1150.00	0.0	0.0	775.40	232.00	779.25	19.48	779.53	37.57	0.0	0.0	5.42
<i>1674</i> 1400.00	1150.00	0.0	0.0	775.40	441.00	780.18	36.47	780.64	65.84	0.0	0.0	6.47
<i>1674</i> 1400.00	1150.00	0.0	0.0	775.40	554.00	780.54	45.87	781.01	82.04	0.0	0.0	6.81
<i>1674</i> 1400.00	1150.00	0.0	0.0	775.40	837.00	781.21	70.06	781.70	113.15	0.0	0.0	7.37
<i>1674</i> 1450.00	50.00	0.0	0.0	776.20	232.00	779.97	18.53	780.38	35.53	0.0	0.0	5.51
<i>1674</i> 1450.00	50.00	0.0	0.0	776.20	441.00	780.92	34.99	781.41	62.95	0.0	0.0	6.68
<i>1674</i> 1450.00	50.00	0.0	0.0	776.20	554.00	781.27	44.07	781.78	79.20	0.0	0.0	7.03
<i>1674</i> 1450.00	50.00	0.0	0.0	776.20	837.00	781.93	66.69	782.46	109.13	0.0	0.0	7.67
<i>1674</i> 1500.00	50.00	0.0	0.0	778.30	232.00	782.91	39.19	783.38	52.78	0.0	0.0	6.37
<i>1674</i> 1500.00	50.00	0.0	0.0	778.30	441.00	783.46	68.52	784.01	81.96	0.0	0.0	7.60
<i>1674</i> 1500.00	50.00	0.0	0.0	778.30	554.00	783.64	80.69	784.25	90.98	0.0	0.0	8.29
<i>1674</i> 1500.00	50.00	0.0	0.0	778.30	837.00	784.10	123.88	784.72	115.49	0.0	0.0	8.71
<i>1726</i> 1552.00	32.00	789.40	784.80	778.30	232.00	782.91	39.25	783.38	52.86	0.0	0.0	6.36
<i>1726</i> 1552.00	52.00	789.40	784.80	778.30	441.00	783.78	92.62	784.08	98.64	0.0	0.0	5.87
<i>1726</i> 1552.00	52.00	789.40	784.80	778.30	554.00	783.64	80.88	784.25	91.11	0.0	0.0	8.28
<i>1726</i> 1552.00	52.00	789.40	784.80	778.30	837.00	784.10	124.12	784.72	115.61	0.0	0.0	8.69
<i>1776</i> 1602.00	50.00	0.0	0.0	778.90	232.00	783.46	31.43	783.62	57.85	0.0	0.0	3.81
<i>1776</i> 1602.00	50.00	0.0	0.0	778.90	441.00	783.97	44.02	784.29	79.12	0.0	0.0	5.60
<i>1776</i> 1602.00	50.00	0.0	0.0	778.90	554.00	784.26	52.63	784.62	91.96	0.0	0.0	6.12
<i>1776</i> 1602.00	50.00	0.0	0.0	778.90	837.00	784.52	62.35	785.12	104.41	0.0	0.0	8.09
<i>1826</i> 1652.00	50.00	0.0	0.0	779.70	232.00	783.74	22.17	784.04	42.93	0.0	0.0	4.93
<i>1826</i> 1652.00	50.00	0.0	0.0	779.70	441.00	784.48	36.49	784.93	65.87	0.0	0.0	6.47
<i>1826</i> 1652.00	50.00	0.0	0.0	779.70	554.00	784.32	45.42	785.30	81.34	0.0	0.0	6.86
<i>1826</i> 1652.00	50.00	0.0	0.0	779.70	837.00	785.44	67.01	785.97	109.78	0.0	0.0	7.64
<i>2150</i> 2100.00	448.00	0.0	0.0	783.70	182.00	788.00	20.24	788.31	23.50	0.0	0.0	4.97
<i>2150</i> 2100.00	448.00	0.0	0.0	783.70	352.00	789.32	40.58	789.69	40.12	0.0	0.0	5.84
<i>2150</i> 2100.00	448.00	0.0	0.0	783.70	448.00	789.78	50.70	790.17	49.08	0.0	0.0	6.29
<i>2150</i> 2100.00	448.00	0.0	0.0	783.70	690.00	790.65	75.61	791.11	66.24	0.0	0.0	7.15
<i>2150</i> 2150.00	50.00	0.0	0.0	785.30	182.00	788.46	9.71	789.38	16.84	0.0	0.0	8.21
<i>2150</i> 2150.00	50.00	0.0	0.0	785.30	352.00	789.57	19.87	790.72	23.31	0.0	0.0	9.74
<i>2150</i> 2150.00	50.00	0.0	0.0	785.30	448.00	790.10	26.49	791.29	27.11	0.0	0.0	10.14
<i>2150</i> 2150.00	50.00	0.0	0.0	785.30	690.00	791.10	44.27	792.30	43.58	0.0	0.0	10.73
<i>2450</i> 2200.00	50.00	0.0	0.0	787.50	182.00	791.61	23.56	792.39	19.27	0.0	0.0	7.87
<i>2450</i> 2200.00	50.00	0.0	0.0	787.50	352.00	792.59	47.97	793.44	30.40	0.0	0.0	8.81
<i>2450</i> 2200.00	50.00	0.0	0.0	787.50	448.00	792.97	62.91	793.84	37.04	0.0	0.0	9.04
<i>2450</i> 2200.00	50.00	0.0	0.0	787.50	690.00	793.62	97.45	794.59	49.79	0.0	0.0	9.77

2475

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TA	EG	TOPWID	STENCL	STENCR	VCH
2246.00	46.00	798.30	792.50	787.50	182.00	791.62	23.67	792.35	19.33	0.0	0.0	7.84
2246.00	46.00	798.30	792.50	787.50	352.00	799.08	1090.88	799.09	157.89	0.0	0.0	0.71
2246.00	46.00	798.30	792.50	787.50	448.00	799.79	1345.49	799.80	171.98	0.0	0.0	0.76
2246.00	46.00	798.30	792.50	787.50	690.00	800.69	1747.12	800.70	197.38	0.0	0.0	0.95
2296.00	50.00	0.0	0.0	789.10	182.00	792.26	9.71	793.18	16.83	0.0	0.0	8.22
2296.00	50.00	0.0	0.0	789.10	352.00	799.08	240.08	799.09	126.06	0.0	0.0	1.48
2296.00	50.00	0.0	0.0	789.10	448.00	799.79	300.56	799.80	140.12	0.0	0.0	1.58
2296.00	50.00	0.0	0.0	789.10	690.00	800.68	390.46	800.70	157.79	0.0	0.0	1.98
2346.00	50.00	0.0	0.0	790.70	182.00	793.99	10.67	794.79	17.59	0.0	0.0	7.71
2346.00	50.00	0.0	0.0	790.70	352.00	799.07	136.45	799.12	94.55	0.0	0.0	2.31
2346.00	50.00	0.0	0.0	790.70	448.00	799.79	177.57	799.83	108.61	0.0	0.0	2.39
2346.00	50.00	0.0	0.0	790.70	690.00	800.68	241.16	800.74	126.33	0.0	0.0	2.89
2500.00	154.00	0.0	0.0	799.20	112.00	802.71	4.81	803.27	16.73	0.0	0.0	7.57
2500.00	154.00	0.0	0.0	799.20	229.00	803.48	10.04	804.14	27.19	0.0	0.0	8.47
2500.00	154.00	0.0	0.0	799.20	299.00	803.78	12.98	804.51	31.92	0.0	0.0	8.96
2500.00	154.00	0.0	0.0	799.20	480.00	804.36	20.25	805.23	40.91	0.0	0.0	9.99
2550.00	50.00	0.0	0.0	799.60	112.00	804.09	12.01	804.20	30.46	0.0	0.0	3.58
2550.00	50.00	0.0	0.0	799.60	229.00	804.97	23.54	805.12	44.22	0.0	0.0	4.21
2550.00	50.00	0.0	0.0	799.60	299.00	805.35	30.29	805.52	50.08	0.0	0.0	4.47
2550.00	50.00	0.0	0.0	799.60	480.00	806.09	47.42	806.30	61.68	0.0	0.0	4.98
2600.00	50.00	0.0	0.0	802.00	112.00	805.50	13.48	806.01	16.64	0.0	0.0	6.94
2600.00	50.00	0.0	0.0	802.00	229.00	806.19	27.43	806.89	25.92	0.0	0.0	7.93
2600.00	50.00	0.0	0.0	802.00	299.00	806.51	36.55	807.25	30.92	0.0	0.0	8.19
2600.00	50.00	0.0	0.0	802.00	480.00	807.21	64.22	807.97	41.98	0.0	0.0	8.28
2650.00	50.00	807.20	804.00	802.00	112.00	808.65	163.17	808.66	64.90	0.0	0.0	0.90
2650.00	50.00	807.20	804.00	802.00	229.00	809.35	231.27	809.35	75.40	0.0	0.0	1.39
2650.00	50.00	807.20	804.00	802.00	299.00	809.62	266.01	809.65	79.97	0.0	0.0	1.62
2650.00	50.00	807.20	804.00	802.00	480.00	810.22	348.69	810.28	89.46	0.0	0.0	2.09
2700.00	50.00	0.0	0.0	802.40	112.00	808.66	41.39	808.67	57.99	0.0	0.0	1.30
2700.00	50.00	0.0	0.0	802.40	229.00	809.34	60.21	809.37	68.57	0.0	0.0	1.95
2700.00	50.00	0.0	0.0	802.40	299.00	809.63	69.83	809.67	73.12	0.0	0.0	2.26
2700.00	50.00	0.0	0.0	802.40	480.00	810.23	92.92	810.30	82.56	0.0	0.0	2.88
2750.00	50.00	0.0	0.0	802.80	112.00	808.70	33.29	808.72	52.39	0.0	0.0	1.55
2750.00	50.00	0.0	0.0	802.80	229.00	809.41	50.69	809.46	63.55	0.0	0.0	2.25
2750.00	50.00	0.0	0.0	802.80	299.00	809.73	59.90	809.78	68.41	0.0	0.0	2.56
2750.00	50.00	0.0	0.0	802.80	480.00	810.38	82.45	810.46	78.50	0.0	0.0	3.17
2800.00	50.00	0.0	0.0	806.30	90.00	808.77	18.47	808.80	69.98	0.0	0.0	1.98
2800.00	50.00	0.0	0.0	806.30	188.00	809.53	39.84	809.56	84.94	0.0	0.0	2.32
2800.00	50.00	0.0	0.0	806.30	248.00	809.86	52.12	809.90	90.23	0.0	0.0	2.51
2800.00	50.00	0.0	0.0	806.30	406.00	810.55	83.62	810.60	99.20	0.0	0.0	2.89

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
2850.00	50.00	0.0	0.0	807.50	90.00	809.17	4.93	809.40	53.53	0.0	0.0	5.59
2850.00	50.00	0.0	0.0	807.50	188.00	809.67	12.36	809.88	65.82	0.0	0.0	5.64
2850.00	50.00	0.0	0.0	807.50	248.00	810.01	19.32	810.18	70.74	0.0	0.0	5.28
2850.00	50.00	0.0	0.0	807.50	406.00	810.69	38.61	810.86	84.36	0.0	0.0	5.13
2900.00	50.00	0.0	0.0	809.10	90.00	810.86	9.04	811.11	50.74	0.0	0.0	5.81
2900.00	50.00	0.0	0.0	809.10	188.00	811.18	20.36	811.52	57.97	0.0	0.0	6.13
2900.00	50.00	0.0	0.0	809.10	248.00	811.34	27.70	811.73	61.57	0.0	0.0	6.29
2900.00	50.00	0.0	0.0	809.10	406.00	811.66	45.49	812.18	68.68	0.0	0.0	6.92
2938.00	38.00	814.50	811.10	809.10	90.00	815.41	667.17	815.42	111.58	0.0	0.0	0.20
2938.00	38.00	814.50	811.10	809.10	188.00	815.99	828.17	815.99	118.91	0.0	0.0	0.36
2938.00	38.00	814.50	811.10	809.10	248.00	816.23	900.77	816.23	125.25	0.0	0.0	0.44
2938.00	38.00	814.50	811.10	809.10	406.00	816.73	1062.14	816.73	138.39	0.0	0.0	0.64
2988.00	50.00	0.0	0.0	810.30	90.00	815.41	136.51	815.42	101.60	0.0	0.0	0.45
2988.00	50.00	0.0	0.0	810.30	188.00	815.99	177.84	815.99	103.20	0.0	0.0	0.77
2988.00	50.00	0.0	0.0	810.30	248.00	816.23	196.41	816.24	103.86	0.0	0.0	0.95
2988.00	50.00	0.0	0.0	810.30	406.00	816.72	237.29	816.74	105.24	0.0	0.0	1.35
3038.00	50.00	0.0	0.0	811.40	90.00	815.42	71.63	815.42	97.45	0.0	0.0	0.72
3038.00	50.00	0.0	0.0	811.40	188.00	816.00	103.24	816.00	100.15	0.0	0.0	1.14
3038.00	50.00	0.0	0.0	811.40	248.00	816.24	118.08	816.25	100.82	0.0	0.0	1.37
3038.00	50.00	0.0	0.0	811.40	406.00	816.74	151.53	816.76	102.20	0.0	0.0	1.87
4150.00	1112.00	0.0	0.0	845.40	34.00	847.08	1.51	847.31	26.46	0.0	0.0	4.86
4150.00	1112.00	0.0	0.0	845.40	77.00	847.41	3.22	847.69	37.71	0.0	0.0	5.86
4150.00	1112.00	0.0	0.0	845.40	106.00	847.58	4.50	847.87	45.15	0.0	0.0	6.19
4150.00	1112.00	0.0	0.0	845.40	187.00	847.91	8.17	848.25	63.93	0.0	0.0	6.94

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
250.000	276.000	767.653	0.0	0.0	0.0	62.000	0.0	250.000
250.000	521.000	768.514	0.861	0.0	0.0	79.477	-17.478	250.000
250.000	652.000	768.059	0.355	0.0	0.0	85.444	-23.444	250.000
250.000	978.000	769.602	0.733	0.0	0.0	97.773	-35.773	250.000
1400.000	232.000	779.252	0.0	11.599	0.0	37.565	0.0	1150.000
1400.000	441.000	780.182	0.931	11.668	0.0	65.838	-28.273	1150.000
1400.000	554.000	780.539	0.356	11.669	0.0	82.044	-44.479	1150.000
1400.000	837.000	781.214	0.676	11.612	0.0	113.147	-75.582	1150.000
1450.000	232.000	779.975	0.0	0.723	0.0	35.529	0.0	50.000
1450.000	441.000	780.919	0.944	0.737	0.0	62.954	-27.625	50.000
1450.000	554.000	781.272	0.353	0.733	0.0	79.199	-43.670	50.000
1450.000	837.000	781.930	0.659	0.716	0.0	109.428	-73.899	50.000
1500.000	232.000	782.912	0.0	2.937	0.0	52.785	0.0	50.000
1500.000	441.000	783.465	0.553	2.546	0.0	81.960	-29.176	50.000
1500.000	554.000	783.635	0.171	2.364	0.0	90.981	-38.196	50.000
1500.000	837.000	784.100	0.464	2.169	0.0	115.492	-62.707	50.000
1552.000	232.000	782.914	0.0	0.002	0.0	52.862	0.0	52.000
1552.000	441.000	783.781	0.867	0.316	0.0	98.636	-45.774	52.000
1552.000	554.000	783.638	-0.143	0.003	0.0	91.110	-38.248	52.000
1552.000	837.000	784.102	0.464	0.003	0.0	115.608	-62.746	52.000
1602.000	232.000	783.457	0.0	0.544	0.0	57.846	0.0	50.000

	1602,000	441,000	783,974	0.516	0.193	0.0	79,115	-21,269	50,000
	1602,000	554,000	784,260	0.287	0.623	0.0	91,961	-34,115	50,000
	1602,000	837,000	784,521	0.260	0.410	0.0	104,407	-46,562	50,000
	1652,000	232,000	783,736	0.0	0.279	0.0	42,930	0.0	50,000
	1652,000	441,000	784,481	0.745	0.508	0.0	65,066	-22,937	50,000
1	1652,000	554,000	784,819	0.338	0.556	0.0	81,338	-36,408	50,000
2	1652,000	837,000	785,442	0.624	0.922	0.0	109,783	-66,854	50,000
3									
4	2100,000	182,000	788,004	0.0	4,268	0.0	23,501	0.0	448,000
5	2100,000	352,000	789,325	1.321	4,844	0.0	40,122	-16,621	448,000
6	2100,000	448,000	789,776	0.451	4,958	0.0	49,080	-25,578	448,000
7	2100,000	690,000	790,650	0.874	5,208	0.0	66,239	-42,737	448,000
8									
9	2150,000	182,000	788,459	0.0	0,454	0.0	16,839	0.0	50,000
10	2150,000	352,000	789,565	1,107	0,241	0.0	23,310	-6,471	50,000
11	2150,000	448,000	790,096	0,531	0,320	0.0	27,106	-10,267	50,000
12	2150,000	690,000	791,103	1,007	0,453	0.0	43,576	-26,737	50,000
13									
14	2200,000	182,000	791,612	0.0	3,154	0.0	19,271	0.0	50,000
15	2200,000	352,000	792,589	0,976	3,023	0.0	30,401	-11,130	50,000
16	2200,000	448,000	792,973	0,384	2,877	0.0	37,041	-17,769	50,000
17	2200,000	690,000	793,618	0,645	2,515	0.0	49,791	-30,519	50,000
18									
19	2246,000	182,000	791,619	0.0	0,006	0.0	19,325	0.0	46,000
20	2246,000	352,000	799,082	7,463	6,493	0.0	157,888	-138,563	46,000
21	2246,000	448,000	799,794	0,712	6,821	0.0	171,980	-152,656	46,000
22	2246,000	690,000	800,690	0,656	7,072	0.0	197,385	-178,059	46,000
23									
24	2296,000	182,000	792,259	0.0	0,640	0.0	16,835	0.0	50,000
25	2296,000	352,000	799,075	6,817	-0,006	0.0	126,058	-109,224	50,000
26	2296,000	448,000	799,788	0,713	-0,006	0.0	140,121	-123,286	50,000
27	2296,000	690,000	800,682	0,894	-0,008	0.0	157,793	-140,958	50,000
28									
29	2346,000	182,000	793,987	0.0	1,729	0.0	17,588	0.0	50,000
30	2346,000	352,000	799,075	5,088	-0,001	0.0	94,547	-76,958	50,000
31	2346,000	448,000	799,788	0,713	0.0	0.0	108,613	-91,024	50,000
32	2346,000	690,000	800,683	0,895	0,001	0.0	126,331	-108,743	50,000
33									
34	2500,000	112,000	802,709	0.0	6,722	0.0	16,731	0.0	154,000
35	2500,000	229,000	803,480	0,771	4,405	0.0	27,194	-10,463	154,000
36	2500,000	299,000	803,783	0,303	3,995	0.0	31,920	-15,189	154,000
37	2500,000	480,000	804,361	0,576	3,678	0.0	40,912	-24,180	154,000
38									
39	2550,000	112,000	804,089	0.0	1,379	0.0	30,458	0.0	50,000
40	2550,000	229,000	804,968	0,879	1,408	0.0	44,218	-13,760	50,000
41	2550,000	299,000	805,345	0,378	1,563	0.0	50,082	-19,624	50,000
42	2550,000	480,000	806,092	0,746	1,731	0.0	61,680	-31,223	50,000
43									
44	2600,000	112,000	805,500	0.0	1,412	0.0	16,642	0.0	50,000
45	2600,000	229,000	806,189	0,688	1,221	0.0	25,924	-9,282	50,000
46	2600,000	299,000	806,506	0,316	1,161	0.0	30,924	-14,282	50,000
47	2600,000	480,000	807,209	0,703	1,117	0.0	41,984	-25,342	50,000
48									
49	2650,000	112,000	808,655	0.0	3,154	0.0	64,896	0.0	50,000
50	2650,000	229,000	809,331	0,676	3,143	0.0	75,395	-10,499	50,000
51	2650,000	299,000	809,622	0,291	3,116	0.0	79,968	-15,072	50,000
52	2650,000	480,000	810,225	0,603	3,016	0.0	89,460	-24,564	50,000
53									
54	2700,000	112,000	808,657	0.0	0,003	0.0	57,986	0.0	50,000
55	2700,000	229,000	809,337	0,679	0,006	0.0	68,567	-10,580	50,000
56	2700,000	299,000	809,629	0,293	0,007	0.0	73,121	-15,135	50,000
57	2700,000	480,000	810,235	0,606	0,010	0.0	82,565	-24,578	50,000
58									
59	2750,000	112,000	808,698	0.0	0,041	0.0	52,394	0.0	50,000
60	2750,000	229,000	809,415	0,717	0,078	0.0	63,552	-11,159	50,000

2750.000	299.000	809.727	0.312	0.098	0.0	68.412	-16.018	50.000
2750.000	460.000	810.375	0.648	0.140	0.0	78.502	-26.109	50.000
2800.000	90.000	808.771	0.0	0.073	0.0	69.900	0.0	50.000
2800.000	188.000	809.530	0.759	0.115	0.0	84.937	-14.957	50.000
2800.000	248.000	809.862	0.333	0.136	0.0	90.235	-20.254	50.000
2800.000	406.000	810.550	0.688	0.175	0.0	99.197	-29.217	50.000
2850.000	90.000	809.167	0.0	0.396	0.0	53.528	0.0	50.000
2850.000	188.000	809.669	0.503	0.139	0.0	63.824	-10.298	50.000
2850.000	248.000	810.007	0.338	0.145	0.0	70.738	-17.210	50.000
2850.000	406.000	810.692	0.685	0.143	0.0	84.360	-30.852	50.000
2900.000	90.000	810.861	0.0	1.694	0.0	50.745	0.0	50.000
2900.000	188.000	811.182	0.321	1.513	0.0	57.966	-7.221	50.000
2900.000	248.000	811.343	0.161	1.336	0.0	61.574	-10.630	50.000
2900.000	406.000	811.659	0.316	0.966	0.0	68.680	-17.936	50.000
2938.000	90.000	815.415	0.0	4.554	0.0	111.583	0.0	38.000
2938.000	188.000	815.990	0.576	4.808	0.0	118.910	-7.327	38.000
2938.000	248.000	816.230	0.240	4.888	0.0	125.250	-13.666	38.000
2938.000	406.000	816.726	0.495	5.067	0.0	138.390	-26.807	38.000
2988.000	90.000	815.414	0.0	-0.001	0.0	101.598	0.0	50.000
2988.000	188.000	815.990	0.576	0.0	0.0	103.197	-1.599	50.000
2988.000	248.000	816.229	0.239	-0.001	0.0	103.862	-2.263	50.000
2988.000	406.000	816.724	0.494	-0.002	0.0	105.235	-3.637	50.000
3038.000	90.000	815.417	0.0	0.003	0.0	97.447	0.0	50.000
3038.000	188.000	815.996	0.579	0.006	0.0	100.150	-2.702	50.000
3038.000	248.000	816.237	0.241	0.008	0.0	100.818	-3.370	50.000
3038.000	406.000	816.738	0.501	0.014	0.0	102.201	-4.754	50.000
4150.000	34.000	847.082	0.0	31.666	0.0	26.458	0.0	1112.000
4150.000	77.000	847.409	0.327	31.413	0.0	37.706	-11.249	1112.000
4150.000	106.000	847.577	0.168	31.339	0.0	45.146	-18.689	1112.000
4150.000	187.000	847.915	0.338	31.177	0.0	63.930	-37.472	1112.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	4.423	0.0
2	0.0	0.0	6.204	1.781
3	0.0	0.0	6.925	2.502
4	0.0	0.0	8.393	3.970

 HEC2 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 CO, BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INB	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FU
	-1.	2.	0.	0.	0.006000	0.0	0.0	0.	661.800	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	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1540.000	2200.000	1540.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	681.000	1000.000	674.900	1100.000	668.800	1200.000	664.700	1282.000	662.800	1287.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1400.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3180.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	692.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	669.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.800	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	1.000	1000.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1600.000	677.400	0.0	1644.900	677.500	0.0	1645.600	677.500	675.800	1665.800
BT	677.500	675.800	1665.900	677.500	0.0	1800.000	678.800	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	678.200	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

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

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIUSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0

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

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	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	ENUST

700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	846.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.000	0.060	0.080	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1316.24

 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 CO. BASIN 0 STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F9
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	2,000	0.0	-1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	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
700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	346.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.080	0.060	0.080	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1816.24
3180.00	8.14	673.84	0.0	0.0	673.97	0.13	10.27	0.01	669.70
1200.	376.	469.	355.	280.	110.	218.	36.	26.	670.40
0.27	1.34	4.27	1.63	0.080	0.060	0.080	0.060	665.70	1296.15
0.003020	2400.	2400.	2480.	7	0	1	0.0	364.85	1661.01

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
5280.00	7.00	674.28	674.28	0.0	674.99	0.71	0.57	0.0	671.20
1200.	167.	768.	265.	86.	93.	100.	37.	26.	671.90
0.27	1.95	8.27	2.64	0.060	0.060	0.080	0.060	667.20	1361.17
0.014158	100.	100.	100.	30	12	1	0.0	251.66	1612.83

 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 CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	664.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	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	ENDST

700.00	6.96	663.76	0.0	664.80	663.88	0.12	0.0	0.0	662.10
1540.	8.	372.	1160.	5.	81.	655.	0.	0.	663.30
0.0	1.49	4.62	1.77	0.080	0.060	0.080	0.0	656.80	1284.47
0.006004	700.	700.	700.	0	0	6	0.0	532.10	1816.56

3180.00	8.43	674.13	0.0	0.0	674.26	0.13	10.38	0.00	669.70
1460.	510.	504.	446.	343.	114.	259.	41.	26.	670.40
0.27	1.49	4.40	1.72	0.080	0.060	0.080	0.060	665.70	1288.53
0.003035	2480.	2480.	2480.	7	0	1	0.0	585.84	1674.17

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

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	ENDST

3280.00	7.39	674.59	574.59	0.0	675.22	0.63	0.55	0.0	671.20
1460.	287.	806.	367.	135.	98.	130.	43.	27.	671.90
0.27	2.13	8.23	2.83	0.080	0.060	0.080	0.060	667.20	1340.46
0.013095	100.	100.	100.	30	13	1	0.0	286.49	1626.95

 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 CO. BASIN 0 STREAM 2 UNNAMED STREAM
 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. 0.006000 0.0 0.0 0. 665.800 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC IBW CHN1M 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	CHSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

700.00	7.35	664.15	0.0	665.80	664.28	0.12	0.0	0.0	662.10
2200.	13.	422.	1765.	8.	87.	854.	0.	0.	663.30
0.0	1.70	4.84	2.07	0.080	0.060	0.080	0.0	656.80	1283.44
0.005935	700.	700.	700.	0	0	4	0.0	533.83	1817.27

3180.00	9.00	674.70	0.0	0.0	674.83	0.13	10.55	0.00	669.70
2100.	844.	584.	673.	473.	124.	350.	54.	27.	670.40
0.26	1.78	4.73	1.92	0.080	0.060	0.080	0.060	665.70	1273.01
0.003160	2480.	2480.	2480.	6	0	1	0.0	426.94	1699.94

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

3280.00	7.83	675.03	675.03	0.0	675.67	0.64	0.58	0.0	671.20
2100.	564.	944.	592.	216.	105.	178.	56.	28.	671.00
0.27	2.61	9.00	3.32	0.080	0.060	0.080	0.060	667.20	1311.15
0.014256	100.	100.	100.	4	4	1	0.0	335.79	1646.94

CCHV= 0.100 CEHV= 0.300

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
	700.00	700.00	0.0	0.0	656.80	680.00	663.08	87.71	663.21	463.65	0.0	0.0	4.20
A	700.00	700.00	0.0	0.0	656.80	1260.00	663.58	163.86	663.70	531.30	0.0	0.0	4.47
	700.00	700.00	0.0	0.0	656.80	1540.00	663.76	198.74	663.88	532.10	0.0	0.0	4.62
	700.00	700.00	0.0	0.0	656.80	2200.00	664.15	285.57	664.28	533.83	0.0	0.0	4.84
B	3180.00	2480.00	0.0	0.0	665.70	650.00	673.03	122.16	673.17	280.01	0.0	0.0	3.80
	3180.00	2480.00	0.0	0.0	665.70	1200.00	673.84	218.38	673.97	364.85	0.0	0.0	4.27
	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.00	674.26	385.84	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	2100.00	674.70	373.59	674.83	426.94	0.0	0.0	4.73
	3280.00	100.00	0.0	0.0	667.20	650.00	673.11	50.16	673.95	66.96	0.0	0.0	7.76
	3280.00	100.00	0.0	0.0	667.20	1200.00	674.28	100.85	674.99	251.66	0.0	0.0	8.27
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	286.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	2100.00	675.03	175.88	675.67	335.79	0.0	0.0	9.00
	3300.00	20.00	0.0	0.0	667.90	650.00	673.99	191.41	674.08	108.90	0.0	0.0	3.15
	3300.00	20.00	0.0	0.0	667.90	1200.00	674.95	284.78	675.13	128.36	0.0	0.0	4.48
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.88	675.35	131.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	2100.00	675.42	338.29	675.83	137.77	0.0	0.0	6.99
	3325.00	25.00	677.40	675.80	667.90	650.00	673.99	202.78	674.08	116.86	0.0	0.0	2.97
	3325.00	25.00	677.40	675.80	667.90	1200.00	674.95	302.04	675.13	137.73	0.0	0.0	4.23
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	2100.00	675.42	359.22	675.83	147.87	0.0	0.0	6.59
	3345.00	20.00	0.0	0.0	667.80	650.00	673.26	39.56	674.49	49.54	0.0	0.0	9.17
	3345.00	20.00	0.0	0.0	667.80	1200.00	674.99	109.17	675.58	263.35	0.0	0.0	7.73
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	2100.00	675.61	173.52	676.27	333.65	0.0	0.0	9.10
	3445.00	100.00	0.0	0.0	669.30	650.00	675.62	62.06	676.20	82.43	0.0	0.0	6.63
	3445.00	100.00	0.0	0.0	669.30	1200.00	676.41	102.68	677.09	254.32	0.0	0.0	8.14
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.52	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	2100.00	677.09	169.85	677.78	330.27	0.0	0.0	9.27
C	6400.00	2955.00	0.0	0.0	679.70	540.00	687.84	127.38	687.91	411.55	0.0	0.0	2.74
	6400.00	2955.00	0.0	0.0	679.70	1000.00	688.62	249.76	688.67	467.45	0.0	0.0	2.80
	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.99
	6400.00	2955.00	0.0	0.0	679.70	1800.00	689.47	450.37	689.53	478.78	0.0	0.0	3.02
SIA 6400 LIMIT OF DETAILED STUDY													
D	10000.00	3600.00	0.0	0.0	701.30	435.00	705.48	24.34	706.37	44.56	0.0	0.0	8.04
	10000.00	3600.00	0.0	0.0	701.30	820.00	706.76	61.21	707.43	180.87	0.0	0.0	7.83
	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1480.00	707.47	109.07	708.17	192.45	0.0	0.0	8.87
	10050.00	50.00	0.0	0.0	701.80	435.00	706.87	45.65	707.20	72.53	0.0	0.0	5.20
	10050.00	50.00	0.0	0.0	701.80	820.00	707.75	91.66	708.05	168.77	0.0	0.0	5.66
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1480.00	708.47	153.94	708.84	200.51	0.0	0.0	6.73

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
10100.00	50.00	0.0	0.0	702.30	435.00	707.78	85.01	708.13	181.21	0.0	0.0	6.19
10100.00	50.00	0.0	0.0	702.30	820.00	708.14	137.27	708.58	186.96	0.0	0.0	7.60
10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	8.49
10100.00	50.00	0.0	0.0	702.30	1480.00	708.66	243.99	709.15	195.42	0.0	0.0	8.27
10156.00	56.00	712.60	710.30	702.30	435.00	707.78	85.10	708.13	181.22	0.0	0.0	6.19
10156.00	56.00	712.60	710.30	702.30	820.00	708.14	137.44	708.58	186.98	0.0	0.0	7.60
10156.00	56.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
10156.00	56.00	712.60	710.30	702.30	1480.00	708.66	243.46	709.16	195.39	0.0	0.0	8.28
10206.00	50.00	0.0	0.0	702.30	435.00	708.19	88.10	708.28	187.97	0.0	0.0	3.10
10206.00	50.00	0.0	0.0	702.30	820.00	708.63	122.12	708.80	194.97	0.0	0.0	4.49
10206.00	50.00	0.0	0.0	702.30	1020.00	708.84	140.69	709.04	198.29	0.0	0.0	4.99
10206.00	50.00	0.0	0.0	702.30	1480.00	709.13	168.96	709.43	202.91	0.0	0.0	6.25
10256.00	50.00	0.0	0.0	702.80	435.00	708.29	83.67	708.47	181.45	0.0	0.0	4.06
10256.00	50.00	0.0	0.0	702.80	820.00	708.85	98.45	709.11	190.26	0.0	0.0	5.34
10256.00	50.00	0.0	0.0	702.80	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
10256.00	50.00	0.0	0.0	702.80	1480.00	709.51	157.16	709.86	201.04	0.0	0.0	6.62
13400.00	3144.00	0.0	0.0	728.60	395.00	733.24	35.05	733.73	114.58	0.0	0.0	6.33
13400.00	3144.00	0.0	0.0	728.60	733.00	734.00	74.99	734.34	170.49	0.0	0.0	6.50
13400.00	3144.00	0.0	0.0	728.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
13400.00	3144.00	0.0	0.0	728.60	1332.00	734.84	156.62	735.11	215.58	0.0	0.0	6.18
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
700.000	680.000	663.079	0.0	0.0	0.0	483.654	0.0	700.000				
700.000	1260.000	663.582	0.503	0.0	0.0	531.297	-47.643	700.000				
700.000	1540.000	663.762	0.180	0.0	0.0	532.096	-48.442	700.000				
700.000	2200.000	664.192	0.391	0.0	0.0	533.831	-50.177	700.000				
3180.000	650.000	673.035	0.0	9.956	0.0	280.006	0.0	2480.000				
3180.000	1200.000	673.842	0.807	10.260	0.0	364.854	-84.847	2480.000				
3180.000	1460.000	674.131	0.289	10.369	0.0	385.842	-105.835	2480.000				
3180.000	2100.000	674.698	0.567	10.546	0.0	426.935	-146.929	2480.000				
3280.000	650.000	673.114	0.0	0.079	0.0	66.963	0.0	100.000				
3280.000	1200.000	674.202	1.168	0.440	0.0	251.665	-184.702	100.000				
3280.000	1460.000	674.592	0.311	0.461	0.0	286.406	-219.523	100.000				
3280.000	2100.000	675.032	0.439	0.334	0.0	335.788	-268.825	100.000				
3300.000	650.000	673.992	0.0	0.870	0.0	108.900	0.0	20.000				
3300.000	1200.000	674.950	0.958	0.663	0.0	128.358	-19.458	20.000				
3300.000	1460.000	675.113	0.163	0.521	0.0	151.654	-22.753	20.000				
3300.000	2100.000	675.416	0.303	0.384	0.0	137.768	-28.867	20.000				
3325.000	650.000	673.992	0.0	0.0	0.0	116.856	0.0	25.000				
3325.000	1200.000	674.950	0.958	0.0	0.0	137.729	-20.874	25.000				
3325.000	1460.000	675.113	0.163	0.0	0.0	141.261	-24.425	25.000				
3325.000	2100.000	675.416	0.303	0.0	0.0	147.669	-31.013	25.000				
3345.000	650.000	673.256	0.0	-0.736	0.0	49.538	0.0	20.000				
3345.000	1200.000	674.986	1.731	0.036	0.0	263.354	213.816	20.000				
3345.000	1460.000	675.188	0.202	0.075	0.0	286.047	-236.509	20.000				
3345.000	2100.000	675.613	0.425	0.198	0.0	333.652	-284.114	20.000				
3445.000	650.000	675.623	0.0	2.368	0.0	82.430	0.0	100.000				

	3445,000	1200,000	676,406	0,783	1,419	0,0	254,320	-171,890	100,000	
	3445,000	1460,000	676,632	0,227	1,444	0,0	279,806	-197,376	100,000	
	3445,000	2100,000	677,007	0,454	1,474	0,0	330,271	-247,841	100,000	
	6400,000	540,000	687,841	0,0	12,210	0,0	411,547	0,0	2955,000	
	6400,000	1000,000	688,615	0,775	12,210	0,0	467,448	-55,901	2955,000	
1	6400,000	1250,000	688,912	0,296	12,279	0,0	474,698	-63,151	2955,000	1
2	6400,000	1800,000	689,474	0,563	12,388	0,0	478,781	-67,234	2955,000	2
3										3
4	10000,000	435,000	705,470	0,0	17,638	0,0	44,563	0,0	3600,000	4
5	10000,000	820,000	706,758	1,280	18,143	0,0	180,875	-156,312	3600,000	5
6	10000,000	1020,000	707,010	0,252	18,098	0,0	184,946	-140,383	3600,000	6
7	10000,000	1480,000	707,475	0,455	18,001	0,0	192,446	-147,883	3600,000	7
8										8
9	10050,000	435,000	706,870	0,0	1,392	0,0	72,533	0,0	50,000	9
10	10050,000	820,000	707,746	0,876	0,980	0,0	188,773	-116,240	50,000	10
11	10050,000	1020,000	708,004	0,259	0,994	0,0	192,943	-120,409	50,000	11
12	10050,000	1480,000	708,474	0,469	0,999	0,0	200,514	-127,981	50,000	12
13										13
14	10100,000	435,000	707,779	0,0	0,909	0,0	181,208	0,0	50,000	14
15	10100,000	820,000	708,136	0,357	0,391	0,0	186,962	-5,754	50,000	15
16	10100,000	1020,000	708,237	0,101	0,233	0,0	188,583	-7,374	50,000	16
17	10100,000	1480,000	708,658	0,421	0,184	0,0	195,423	-14,215	50,000	17
18										18
19	10156,000	435,000	707,780	0,0	0,001	0,0	181,220	0,0	56,000	19
20	10156,000	820,000	708,137	0,358	0,001	0,0	186,978	-5,758	56,000	20
21	10156,000	1020,000	708,238	0,101	0,001	0,0	188,602	-7,382	56,000	21
22	10156,000	1480,000	708,659	0,421	0,001	0,0	195,386	-14,166	56,000	22
23										23
24	10206,000	435,000	708,189	0,0	0,409	0,0	187,967	0,0	50,000	24
25	10206,000	820,000	708,632	0,443	0,494	0,0	194,967	-7,000	50,000	25
26	10206,000	1020,000	708,839	0,207	0,601	0,0	198,291	-10,323	50,000	26
27	10206,000	1480,000	709,125	0,286	0,466	0,0	202,909	-14,942	50,000	27
28										28
29	10256,000	435,000	708,293	0,0	0,104	0,0	181,447	0,0	50,000	29
30	10256,000	820,000	708,846	0,553	0,214	0,0	190,256	-8,809	50,000	30
31	10256,000	1020,000	709,094	0,248	0,255	0,0	194,219	-12,773	50,000	31
32	10256,000	1480,000	709,506	0,413	0,381	0,0	201,039	-19,592	50,000	32
33										33
34	13400,000	395,000	733,243	0,0	24,950	0,0	114,578	0,0	3144,000	34
35	13400,000	733,000	733,996	0,753	25,150	0,0	170,490	-55,912	3144,000	35
36	13400,000	907,000	734,265	0,269	25,171	0,0	184,814	-70,236	3144,000	36
37	13400,000	1332,000	734,838	0,573	25,332	0,0	216,576	-100,998	3144,000	37

DATA FOR LAST CROSS SECTION

PROFILL	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0,0	0,0	69,587	0,0
2	0,0	0,0	92,466	22,879
3	0,0	0,0	25,478	25,891
4	0,0	0,0	100,666	31,079

 HEC2 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 CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIUSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	663.760	0.0
J2	NPROF	IPL0T	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	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1340.000	2200.000	1540.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	631.000	1000.000	674.900	1100.000	568.800	1200.000	664.700	1282.000	662.800	1287.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1400.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3180.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.800	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	11.000	1000.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1600.000	677.400	0.0	1644.900	677.500	0.0	1645.000	677.500	675.800	1665.800
BT	677.500	675.800	1665.900	677.500	0.0	1800.000	678.800	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	678.200	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1300.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.500	1800.000	688.600	1900.000
X1	3445.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	540.000	1000.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0
X1	6400.000	12.000	1261.000	1278.000	2955.000	2955.000	2955.000	0.0	0.0	0.0
GR	702.800	1000.000	694.400	1100.000	690.100	1159.000	687.600	1173.000	686.800	1261.000
GR	679.800	1267.000	679.700	1271.000	679.900	1275.000	687.000	1278.000	686.600	1500.000
GR	688.700	1640.000	702.800	1663.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	435.000	820.000	1020.000	1480.000	1020.000	0.0	0.0	0.0	0.0
X1	10000.000	12.000	1337.000	1355.000	3600.000	3600.000	3600.000	0.0	-0.500	0.0
GR	723.000	1000.000	718.100	1100.000	712.500	1200.000	708.700	1300.000	706.000	1337.000
GR	702.700	1344.000	701.800	1346.000	702.000	1349.000	704.500	1355.000	707.000	1400.000
GR	707.000	1500.000	723.000	1539.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	10050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	10100.000	20.000	1360.000	1368.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	727.300	1000.000	723.500	1018.000	718.600	1118.000	713.000	1218.000	709.200	1318.000
GR	706.500	1355.000	706.300	1360.000	704.800	1360.300	703.700	1361.000	702.800	1362.000
GR	702.300	1364.000	702.800	1366.000	703.700	1367.000	704.800	1367.700	706.300	1368.000
GR	707.500	1418.000	707.500	1518.000	717.900	1543.000	721.400	1600.000	727.300	1679.000
SB	0.900	1.500	2.500	0.0	8.000	0.010	50.300	0.0	0.0	0.0
X1	10156.000	0.0	0.0	0.0	56.000	56.000	56.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	710.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	727.300	0.0	1100.000	721.100	0.0	1200.000	716.700	0.0
BT	1300.000	713.800	0.0	1360.000	712.700	706.300	1360.300	712.700	707.800	1361.000
BT	712.700	708.900	1362.000	712.700	709.800	1364.000	712.700	710.300	1366.000	712.700
BT	709.800	1367.000	712.700	708.900	1367.700	712.700	707.800	1368.000	712.700	706.300
BT	1400.000	712.600	0.0	1500.000	715.200	0.0	1600.000	721.400	0.0	1679.000
BT	727.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	10206.000	12.000	1337.000	1355.000	50.000	50.000	50.000	0.0	0.500	0.0
GR	723.000	1000.000	718.100	1100.000	712.500	1200.000	708.700	1300.000	706.000	1337.000
GR	702.700	1344.000	701.800	1346.000	702.000	1349.000	704.500	1355.000	707.000	1400.000
GR	707.000	1500.000	723.000	1539.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	10256.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	395.000	733.000	907.000	1332.000	907.000	0.0	0.0	0.0	0.0
X1	13400.000	12.000	1206.000	1227.000	3144.000	3144.000	3144.000	0.0	0.0	0.0
GR	751.900	1000.000	745.600	1100.000	735.900	1200.000	735.700	1206.000	729.400	1218.000
GR	728.800	1220.000	728.800	1221.000	734.900	1227.000	731.900	1300.000	733.900	1400.000
GR	737.700	1500.000	751.900	1562.000	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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 CO. BASIN D STREAM 2 UNNAMED STREAM
 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	EQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	664.760	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 198.22 WSEL= 663.76 ENC Q1= 198.22 WSEL= 664.76 RATIO= 0.0
 NAT Q1= 448. RATIOS LOB,CH,ROB= 0.0069 0.1473 0.8458 WSEL= 664.76

SECNO	DEPTH	CWSEL	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

3470 ENCROACHMENT STATIONS= 1288.5 1530.1 TYPE= 4 TARGET= 0.558
 700.00 7.96 664.76 0.0 663.76 664.98 0.22 0.0 0.0 662.10
 1540. 10. 535. 995. 4. 98. 428. 0. 0. 663.30
 0.0 2.72 5.49 2.33 0.080 0.060 0.080 0.0 656.80 1288.54
 0.006571 700. 700. 700. 0 0 1 0.0 241.53 1530.07

2800 NAT Q1= 265.43 WSEL= 674.13 ENC Q1= 265.43 WSEL= 675.13 RATIO= 0.0
 NAT Q1= 476. RATIOS LOB,CH,ROB= 0.4270 0.2392 0.3337 WSEL= 675.13

3470 ENCROACHMENT STATIONS= 1442.0 1566.8 TYPE= 4 TARGET= 0.442
 3180.00 9.39 675.09 0.0 674.13 675.28 0.18 10.30 0.00 669.70
 1460. 438. 598. 424. 208. 130. 168. 29. 10. 670.40
 0.21 2.11 4.60 2.53 0.080 0.060 0.080 0.060 665.70 1441.97
 0.002807 2480. 2480. 2480. 3 0 1 0.0 124.80 1566.77

2800 NAT Q1= 127.59 WSEL= 674.59 ENC Q1= 127.59 WSEL= 675.59 RATIO= 0.0
 NAT Q1= 258. RATIOS LOB,CH,ROB= 0.3449 0.3508 0.3043 WSEL= 675.59

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1489.7 1544.5 TYPE= 4 TARGET= 0.506
 3280.00 7.77 674.97 0.0 674.59 676.15 1.19 0.57 0.30 671.20
 1460. 171. 1034. 255. 40. 104. 52. 30. 11. 671.90
 0.22 4.27 9.95 4.91 0.080 0.060 0.080 0.060 667.20 1489.69
 0.017642 100. 100. 100. 3 0 1 0.0 54.79 1544.48

MADE IN U.S.A.

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	700.00	700.00	0.0	0.0	656.80	1540.00	663.76	198.22	663.88	532.08	0.0	0.0	4.63
	700.00	700.00	0.0	0.0	656.80	1540.00	664.76	189.97	664.98	241.53	1288.54	1530.07	5.49
B	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.43	674.26	386.02	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	1460.00	675.09	275.58	675.28	124.80	1441.97	1566.78	4.60
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	286.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.97	109.92	676.15	54.79	1489.69	1544.48	9.95
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.88	675.35	131.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	1460.00	676.15	436.20	676.31	90.27	1626.40	1716.67	4.09
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	1460.00	670.85	34.44	678.35	48.62	0.0	0.0	27.21
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	1460.00	678.96	290.23	679.24	54.48	1489.91	1544.40	4.99
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.32	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	1460.00	679.17	204.29	679.65	49.85	1493.24	1543.09	6.45
C	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.89
	6400.00	2955.00	0.0	0.0	679.70	1250.00	689.54	262.40	689.65	188.44	1221.51	1409.95	3.62
LIMIT OF DETAIL STUDY STA. 6400													
D	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1020.00	706.98	55.47	708.68	30.95	1333.17	1364.12	11.16
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1020.00	709.02	127.15	709.43	51.24	1327.31	1378.55	6.00
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	8.49
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.86	138.57	710.08	41.25	1355.79	1397.04	10.27
	10156.00	56.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
	10156.00	56.00	712.60	710.30	702.30	1020.00	709.24	398.22	710.08	205.18	0.0	0.0	3.73
	10206.00	50.00	0.0	0.0	702.30	1020.00	708.84	140.69	709.04	198.29	0.0	0.0	4.99
	10206.00	50.00	0.0	0.0	702.30	1020.00	709.92	160.49	710.19	62.34	1324.37	1386.70	4.98
E	10256.00	50.00	0.0	0.0	702.80	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
	10256.00	50.00	0.0	0.0	702.80	1020.00	710.09	133.22	710.46	53.62	1326.69	1380.32	5.78
	13400.00	3144.00	0.0	0.0	728.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
	13400.00	3144.00	0.0	0.0	728.60	907.00	735.16	81.35	735.95	79.40	1206.00	1286.43	8.44
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
A	700.000	1540.000	663.759	0.0	0.0	0.0	532.085	0.0	700.000				
	700.000	1540.000	664.759	1.000	0.0	0.0	241.535	290.550	700.000				
B	3180.000	1460.000	674.134	0.0	10.374	0.0	386.022	0.0	2480.000				
	3180.000	1460.000	675.094	0.960	10.334	0.0	124.800	261.222	2480.000				

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3200.000	1460.000	674.592	0.0	0.459	0.0	286.486	0.0	100.000
3280.000	1460.000	674.966	0.373	-0.128	0.0	54.786	231.700	100.000
3300.000	1460.000	675.113	0.0	0.521	0.0	131.654	0.0	20.000
3300.000	1460.000	676.148	1.035	1.183	0.0	90.265	41.388	20.000
3325.000	1460.000	675.113	0.0	0.0	0.0	141.281	0.0	25.000
3325.000	1460.000	670.852	-4.261	-5.296	0.0	48.616	92.665	25.000
3345.000	1460.000	675.188	0.0	0.075	0.0	286.047	0.0	20.000
3345.000	1460.000	678.963	3.775	8.111	0.0	54.482	231.566	20.000
3445.000	1460.000	676.632	0.0	1.444	0.0	279.300	0.0	100.000
3445.000	1460.000	679.170	2.538	0.208	0.0	49.845	229.961	100.000
6400.000	1250.000	688.912	0.0	12.279	0.0	471.698	0.0	2955.000
6400.000	1250.000	689.542	0.630	10.371	0.0	181.444	286.254	2955.000
10000.000	1020.000	707.010	0.0	18.098	0.0	184.946	0.0	3600.000
10000.000	1020.000	706.985	-0.025	17.443	0.0	30.948	153.998	3600.000
10050.000	1020.000	708.004	0.0	0.994	0.0	192.943	0.0	50.000
10050.000	1020.000	709.020	1.016	2.035	0.0	51.237	141.706	50.000
10100.000	1020.000	708.237	0.0	0.233	0.0	188.533	0.0	50.000
10100.000	1020.000	708.856	0.619	-0.164	0.0	41.252	147.330	50.000
10156.000	1020.000	708.238	0.0	0.001	0.0	188.602	0.0	56.000
10156.000	1020.000	709.237	0.999	0.381	0.0	205.180	-16.578	56.000
10206.000	1020.000	708.839	0.0	0.601	0.0	198.291	0.0	50.000
10206.000	1020.000	709.923	1.034	0.686	0.0	62.336	135.954	50.000
10256.000	1020.000	709.094	0.0	0.255	0.0	194.219	0.0	50.000
10256.000	1020.000	710.087	0.993	0.164	0.0	53.621	140.598	50.000
13400.000	907.000	734.265	0.0	25.171	0.0	184.814	0.0	3144.000
13400.000	907.000	735.156	0.891	25.069	0.0	79.396	105.418	3144.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	95.483	0.0
2	4.000	0.549	33.278	-62.205

MADE IN U.S.A.

 HEC2 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 0 STRM 3
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IOIR STAT METRIC HVINS Q WSEL EQ
 -1. 2. 0. 0. 0.007000 0.0 0.0 0. 702.100 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIN 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	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	550.000	1025.000	1260.000	1825.000	1260.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	810.000	13.000	1300.000	1318.000	810.000	810.000	810.000	0.0	0.0	0.0
GR	719.000	1000.000	713.700	1100.000	706.500	1200.000	701.100	1300.000	697.400	1305.000
GR	697.100	1307.000	697.400	1310.000	701.300	1318.000	700.500	1500.000	700.800	1600.000
GR	704.200	1700.000	707.500	1800.000	719.000	2200.000	0.0	0.0	0.0	0.0
QT	5.000	435.000	820.000	1020.000	1500.000	1020.000	0.0	0.0	0.0	0.0
X1	3900.000	12.000	1250.000	1259.000	3090.000	3090.000	3090.000	0.0	0.0	0.0
GR	731.300	1000.000	725.200	1100.000	716.800	1124.000	715.900	1200.000	716.500	1250.000
GR	715.500	1255.000	715.100	1256.000	715.500	1257.000	716.700	1259.000	717.400	1300.000
GR	718.900	1319.000	731.300	1382.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	394.000	740.000	918.000	1355.000	918.000	0.0	0.0	0.0	0.0
X1	6000.000	10.000	1302.000	1314.000	2100.000	2100.000	2100.000	0.0	-3.200	0.0
GR	743.300	1000.000	738.300	1100.000	733.000	1200.000	730.800	1300.000	731.100	1302.000
GR	727.600	1307.000	727.300	1309.000	727.500	1310.000	731.300	1314.000	743.300	1358.000
X1	6050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.00	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	6100.000	21.000	1294.500	1299.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	744.100	1000.000	736.700	1080.000	731.400	1188.000	729.200	1288.000	728.200	1294.500
GR	726.700	1295.000	725.900	1296.000	725.700	1297.000	725.900	1298.000	726.700	1299.000
GR	728.200	1299.500	729.700	1302.000	733.000	1317.000	732.600	1400.000	732.700	1500.000
GR	731.600	1600.000	731.000	1700.000	731.300	1800.000	734.600	1900.000	738.100	2000.000
GR	744.100	2100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0
X1	6137.000	0.0	0.0	0.0	37.000	37.000	37.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	730.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	19.000	1000.000	244.100	0.0	1100.000	738.800	0.0	1200.000	734.700	0.0
BT	1294.500	733.000	728.200	1295.000	733.000	729.700	1296.000	733.000	730.500	1297.000
BT	733.000	730.700	1298.000	733.000	730.500	1299.000	733.000	729.700	1299.500	733.000
BT	728.200	1300.000	237.000	0.0	1400.000	732.600	0.0	1500.000	738.200	0.0

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

T1 ROWAN COUNTY BASIN D STRM 3
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.007000	0.0	0.0	0.	703.100	0.0

J2	NPLOF	IPLOT	PREVS	XSECV	XSECH	FN	AL'DC	IBW	CHNIM	ITRAGE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	BSTA
SLOPE	XLOBL	XLCH	XLOBW	ITRIAL	IDC	ICONT	COMAR	TOPWID	ENDST

810.00	5.05	702.15	0.0	703.10	702.26	0.12	0.0	0.0	701.10
1025.	10.	267.	747.	10.	61.	404.	0.	0.	751.30
0.0	1.01	0.15	1.25	0.080	0.060	0.080	0.0	697.15	1280.57
0.007007	810.	810.	810.	0	0	6	0.0	359.11	1829.66

3900.00	3.57	718.67	0.0	0.0	718.74	0.07	16.47	0.00	716.50
820.	630.	75.	116.	304.	25.	76.	31.	20.	716.70
0.41	2.07	2.97	1.51	0.080	0.060	0.080	0.060	715.10	1110.66
0.003965	3090.	3090.	3090.	6	0	1	0.0	197.39	1316.05

6000.00	6.21	730.31	0.0	0.0	730.58	0.27	11.78	0.06	727.90
740.	407.	316.	16.	169.	55.	9.	47.	28.	728.10
0.57	2.42	5.70	1.84	0.080	0.060	0.080	0.060	724.10	1190.39
0.008982	2100.	2100.	2100.	3	0	1	0.0	131.71	1322.10

6050.00	5.87	730.77	0.0	0.0	731.21	0.44	0.58	0.05	728.70
740.	362.	365.	14.	132.	51.	6.	47.	28.	728.90
0.57	2.74	7.09	2.15	0.080	0.060	0.080	0.060	724.90	1196.74
0.015371	50.	50.	50.	2	0	1	0.0	124.12	1320.67

CCHV= 0.100 CEHV= 0.300

7105 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

 HEC2 VERSION UPDATED JAN 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN COUNTY BASIN D STRM 3
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.007000	0.0	0.0	0.	705.100	0.0
J2	NPROF	IPL0T	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

CEHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	KNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XL0B1	XLCH	XL0B2	TRIAL	IDC	YCONT	CORAR	TOPWID	ENDST

810.00	5.25	702.35	0.0	705.10	702.48	0.12	0.0	0.0	701.10
1260.	17.	294.	950.	15.	65.	470.	0.	0.	701.30
0.0	1.13	4.52	2.02	0.080	0.060	0.080	0.0	697.10	1276.78
0.006969	810.	810.	810.	0	0	5	0.0	368.91	1645.70

3900.00	3.86	718.96	0.0	0.0	719.04	0.08	16.56	0.00	716.56
1020.	773.	89.	158.	343.	28.	94.	36.	20.	726.70
0.38	2.25	3.20	1.69	0.080	0.060	0.080	0.060	715.10	1117.88
0.004039	3090.	3090.	3090.	6	0	1	0.0	201.48	1319.31

6000.00	6.53	730.63	0.0	0.0	730.90	0.27	11.80	0.06	727.90
918.	546.	349.	23.	205.	59.	12.	54.	28.	728.10
0.53	2.66	5.39	1.99	0.080	0.060	0.080	0.060	724.10	1184.39
0.008775	2100.	2100.	2100.	3	0	1	0.0	133.88	1323.27

6050.00	6.17	731.07	0.0	0.0	731.50	0.43	0.56	0.05	728.70
918.	501.	397.	20.	165.	55.	9.	54.	29.	728.90
0.54	3.04	7.21	2.31	0.080	0.060	0.080	0.060	724.90	1191.00
0.014507	50.	50.	50.	2	0	1	0.0	130.99	1321.98

CEHV= 0.100 CEHV= 0.300

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,38
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN COUNTY BASIN 0 STRM 3
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK IN9 NINV ICIR STRT MEYRIC HVINS Q WSEL FQ
 -10. 5. 0. 0. 0.007000 0.0 0.0 0. 706.100 0.0

J2 NPROF IPLOT PREVS XSECV XSECH EN ALLOC IBW CHNIM ITRACE
 15.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CCHV= 0.100 CEHV= 0.300

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

810.00	5.68	702.78	0.0	706.10	702.92	0.14	0.0	0.0	701.10
1825.	36.	352.	1437.	26.	73.	613.	0.	0.	701.30
0.0	1.37	4.84	2.35	0.080	0.060	0.080	0.0	697.10	1268.71
0.006913	810.	810.	810.	0	0	5	0.0	389.31	1658.21

3900.00	4.46	719.56	0.0	0.0	719.67	0.11	16.75	0.00	716.50
1500.	1108.	122.	270.	423.	33.	131.	46.	21.	716.70
0.33	2.62	3.67	2.06	0.080	0.060	0.080	0.060	715.10	1116.10
0.004177	3090.	3090.	3090.	0	0	1	0.0	206.27	1322.38

6000.00	7.19	731.29	0.0	0.0	731.58	0.29	11.85	0.05	727.90
1355.	891.	422.	42.	288.	67.	19.	69.	30.	728.10
0.47	3.10	6.27	2.27	0.080	0.060	0.080	0.060	724.10	1171.82
0.008401	2100.	2100.	2100.	0	0	1	0.0	153.89	1325.71

6050.00	6.82	731.72	0.0	0.0	732.14	0.42	0.52	0.04	728.70
1355.	848.	469.	38.	240.	63.	15.	70.	30.	728.90
0.48	3.53	7.47	2.61	0.080	0.060	0.080	0.060	724.90	1178.87
0.013068	50.	50.	50.	2	0	1	0.0	145.47	1324.34

CCHV= 0.100 CEHV= 0.300

3265 DIVIDED FLOW

6100.00	6.45	732.15	0.0	0.0	732.32	0.17	0.15	0.03	728.20
1355.	723.	152.	479.	213.	29.	233.	70.	30.	728.20
0.48	3.39	5.23	2.06	0.025	0.025	0.025	0.060	725.70	1173.75

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 OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENGR	VGH
810.00	810.00	0.0	0.0	697.10	550.00	701.65	65.71	701.76	335.36	0.0	0.0	3.92
810.00	810.00	0.0	0.0	697.10	1025.00	702.15	122.45	702.26	359.11	0.0	0.0	4.36
810.00	810.00	0.0	0.0	697.10	1260.00	702.35	150.94	702.47	368.91	0.0	0.0	4.52
810.00	810.00	0.0	0.0	697.10	1825.00	702.78	219.49	702.92	389.31	0.0	0.0	4.84
3900.00	3090.00	0.0	0.0	715.10	435.00	717.96	70.15	718.01	186.59	0.0	0.0	2.42
3900.00	3090.00	0.0	0.0	715.10	820.00	718.67	130.23	718.74	197.39	0.0	0.0	2.97
3750	3900.00	0.0	0.0	715.10	1020.00	718.96	160.50	719.04	201.48	0.0	0.0	3.20
3900.00	3090.00	0.0	0.0	715.10	1500.00	719.56	232.10	719.67	206.27	0.0	0.0	3.67
6000.00	2100.00	0.0	0.0	724.10	394.00	729.92	40.90	729.78	106.26	0.0	0.0	5.11
6000.00	2100.00	0.0	0.0	724.10	740.00	730.31	78.08	730.58	131.71	0.0	0.0	5.70
6000.00	2100.00	0.0	0.0	724.10	918.00	730.63	98.00	730.90	138.88	0.0	0.0	5.89
6000.00	2100.00	0.0	0.0	724.10	1355.00	731.29	147.84	731.58	153.89	0.0	0.0	6.27
6050.00	50.00	0.0	0.0	724.90	394.00	729.99	31.22	730.43	90.48	0.0	0.0	6.31
6050.00	50.00	0.0	0.0	724.90	740.00	730.77	59.69	731.21	124.12	0.0	0.0	7.09
6050.00	50.00	0.0	0.0	724.90	918.00	731.07	76.22	731.50	130.99	0.0	0.0	7.21
6050.00	50.00	0.0	0.0	724.90	1355.00	731.72	118.53	732.14	145.47	0.0	0.0	7.47
6100.00	50.00	0.0	0.0	725.70	394.00	730.57	58.68	731.09	80.15	0.0	0.0	7.80
6100.00	50.00	0.0	0.0	725.70	740.00	731.25	118.50	731.71	241.81	0.0	0.0	8.01
6100.00	50.00	0.0	0.0	725.70	918.00	731.48	156.72	731.87	308.32	0.0	0.0	7.74
6100.00	50.00	0.0	0.0	725.70	1355.00	732.15	271.71	732.32	415.78	0.0	0.0	5.23
6137.00	37.00	731.00	730.70	725.70	394.00	731.81	246.28	731.84	366.13	0.0	0.0	2.20
6137.00	37.00	731.00	730.70	725.70	740.00	732.25	412.58	732.29	429.59	0.0	0.0	2.60
6137.00	37.00	731.00	730.70	725.70	918.00	732.43	497.32	732.48	455.76	0.0	0.0	2.73
6137.00	37.00	731.00	730.70	725.70	1355.00	732.79	701.97	732.85	640.34	0.0	0.0	2.97
6187.00	50.00	0.0	0.0	726.50	394.00	731.54	29.91	732.02	38.04	0.0	0.0	6.53
6187.00	50.00	0.0	0.0	726.50	740.00	732.17	50.07	732.79	118.69	0.0	0.0	8.18
6187.00	50.00	0.0	0.0	726.50	918.00	732.41	61.61	733.05	124.97	0.0	0.0	8.57
6187.00	50.00	0.0	0.0	726.50	1355.00	732.82	84.79	733.59	134.23	0.0	0.0	9.76
6237.00	50.00	0.0	0.0	727.30	394.00	732.41	31.78	732.84	91.49	0.0	0.0	6.23
6237.00	50.00	0.0	0.0	727.30	740.00	733.27	64.24	733.65	126.11	0.0	0.0	6.68
6237.00	50.00	0.0	0.0	727.30	918.00	733.53	78.75	733.93	131.96	0.0	0.0	7.02
6237.00	50.00	0.0	0.0	727.30	1355.00	734.09	116.90	734.52	144.97	0.0	0.0	7.55
9200.00	2963.00	0.0	0.0	758.20	92.00	761.06	18.01	761.11	71.21	0.0	0.0	2.21
9200.00	2963.00	0.0	0.0	758.20	196.00	761.63	32.01	761.71	95.58	0.0	0.0	3.04
9200.00	2963.00	0.0	0.0	758.20	260.00	761.95	42.28	762.03	108.92	0.0	0.0	3.26
9200.00	2963.00	0.0	0.0	758.20	430.00	762.52	66.52	762.62	133.32	0.0	0.0	3.80

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH @	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	L.W. DIFF	LENGTH
810.000	550.000	701.652	0.0	0.0	0.0	335.358	0.0	810.000
810.000	1025.000	702.148	0.496	0.0	0.0	359.115	-23.756	810.000
810.000	1260.000	702.353	0.205	0.0	0.0	368.911	-33.553	810.000
810.000	1825.000	702.779	0.426	0.0	0.0	389.306	-53.948	810.000

3900.000	435.000	717.964	0.0	16.512	0.0	186.593	0.0	3090.000
3900.000	820.000	718.674	0.709	16.526	0.0	197.389	-10.796	3090.000
3900.000	1020.000	718.959	0.286	16.606	0.0	201.481	-14.889	3090.000
3900.000	1500.000	719.564	0.604	16.785	0.0	206.275	-19.682	3090.000
6000.000	394.000	729.516	0.0	11.551	0.0	106.262	0.0	2100.000
6000.000	740.000	730.312	0.796	11.630	0.0	131.709	-25.447	2100.000
6000.000	918.000	730.628	0.316	11.669	0.0	138.877	-32.615	2100.000
6000.000	1355.000	731.293	0.665	11.729	0.0	153.893	-47.631	2100.000
6050.000	394.000	729.987	0.0	0.472	0.0	90.480	0.0	50.000
6050.000	740.000	730.766	0.778	0.454	0.0	124.124	-33.644	50.000
6050.000	918.000	731.073	0.308	0.445	0.0	130.989	-40.509	50.000
6050.000	1355.000	731.717	0.644	0.424	0.0	145.474	-54.994	50.000
6100.000	394.000	730.567	0.0	0.580	0.0	80.149	0.0	50.000
6100.000	740.000	731.254	0.687	0.489	0.0	241.812	-161.663	50.000
6100.000	918.000	731.476	0.222	0.483	0.0	308.316	-228.167	50.000
6100.000	1355.000	732.153	0.677	0.436	0.0	415.781	-335.632	50.000
6137.000	394.000	731.811	0.0	1.284	0.0	366.125	0.0	37.000
6137.000	740.000	732.250	0.439	0.996	0.0	429.593	-63.468	37.000
6137.000	918.000	732.430	0.161	0.954	0.0	455.759	-89.634	37.000
6137.000	1355.000	732.795	0.364	0.642	0.0	640.340	-274.215	37.000
6187.000	394.000	731.539	0.0	-0.272	0.0	88.040	0.0	50.000
6187.000	740.000	732.168	0.629	-0.082	0.0	118.688	-30.649	50.000
6187.000	918.000	732.410	0.242	-0.021	0.0	124.972	-36.933	50.000
6187.000	1355.000	732.821	0.411	0.026	0.0	134.227	-46.187	50.000
6237.000	394.000	732.412	0.0	0.873	0.0	91.487	0.0	50.000
6237.000	740.000	733.269	0.857	1.101	0.0	126.110	-34.623	50.000
6237.000	918.000	733.525	0.256	1.116	0.0	131.969	-40.477	50.000
6237.000	1355.000	734.091	0.565	1.270	0.0	144.973	-53.486	50.000
9200.000	92.000	761.059	0.0	28.647	0.0	71.212	0.0	2963.000
9200.000	196.000	761.627	0.568	28.358	0.0	95.577	-24.365	2963.000
9200.000	260.000	761.949	0.322	28.424	0.0	108.916	-37.705	2963.000
9200.000	430.000	762.517	0.568	28.427	0.0	183.328	-62.112	2963.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	31.869	0.0
2	0.0	0.0	36.308	4.438
3	0.0	0.0	37.840	5.370
4	0.0	0.0	40.818	8.949