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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  
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T1 DAVIDSON COUNTY BASIN E STREAM 11  
 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	FR
	-10.	3.	0.	0.	0.025000	0.0	0.0	0.	671.000	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	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

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	ULOSS	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
200.00	2.84	667.84	667.84	671.00	668.70	0.86	0.0	0.0	667.10
225.	5.	214.	6.	3.	28.	3.	0.	0.	666.60
0.0	1.50	7.62	2.08	0.055	0.035	0.055	0.0	665.00	1109.07
0.011612	200.	200.	200.	0	11	1	0.0	25.90	1134.98

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	ULOSS	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
1700.00	2.28	713.68	713.68	0.0	714.32	0.71	17.78	0.0	712.20
137.	9.	115.	13.	4.	16.	5.	1.	1.	712.20
0.06	2.38	7.29	2.41	0.055	0.035	0.055	0.035	711.40	1055.95
0.012274	1500.	1500.	1500.	30	15	1	0.0	20.12	1074.08

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T1 DAVIDSON COUNTY BASIN E STREAM 11  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IPR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.025000	0.0	0.0	0.	673.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNLM	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

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
200.00	3.28	668.28	668.28	673.00	669.18	0.90	0.0	0.0	667.10
296.	16.	267.	13.	8.	33.	6.	0.	0.	666.60
0.0	1.92	8.01	2.38	0.055	0.035	0.055	0.0	665.00	1103.83
0.010210	200.	200.	200.	0	15	1	0.0	32.89	1136.72

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
1700.00	2.63	714.03	714.03	0.0	714.63	0.80	16.09	0.0	712.20
125.	15.	148.	22.	6.	19.	8.	1.	1.	712.20
0.06	2.68	7.92	2.71	0.055	0.035	0.055	0.035	711.40	1052.75
0.011636	1500.	1500.	1500.	30	15	1	0.0	23.02	1075.77

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T1 DAVIDSON COUNTY BASIN E STREAM 11  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6518  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.025000	0.0	0.0	0.	674.000	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	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

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LNOST
200.00	4.12	669.12	669.12	674.00	670.07	0.96	0.0	0.0	667.10
484.	69.	379.	36.	25.	43.	13.	0.	0.	666.60
0.0	2.75	8.74	2.66	0.055	0.035	0.055	0.0	665.00	1091.35
0.006550	200.	200.	200.	0	14	1	0.0	48.72	1140.97

3685 20 TRIALS USED WSEL,CWSEL

7185 91H SPECIFIC ENERGY

3726 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LNOST
1700.00	3.40	714.80	714.80	0.0	715.78	0.99	14.00	0.0	712.20
313.	37.	225.	53.	11.	25.	16.	2.	1.	712.20
0.06	3.24	9.19	3.29	0.055	0.035	0.055	0.035	711.40	1050.15
0.010753	1500.	1500.	1500.	30	15	1	0.0	29.27	1079.42

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
200.00	200.00	0.0	0.0	665.00	107.00	666.85	8.19	667.53	12.52	0.0	0.0	6.60
200.00	200.00	0.0	0.0	665.00	225.00	667.84	20.88	668.70	25.90	0.0	0.0	7.62
200.00	200.00	0.0	0.0	665.00	296.00	668.28	29.29	669.18	32.89	0.0	0.0	8.01
200.00	200.00	0.0	0.0	665.00	484.00	669.12	52.34	670.07	48.72	0.0	0.0	8.74
1700.00	1500.00	0.0	0.0	711.40	61.00	712.93	4.99	713.43	13.96	0.0	0.0	5.85
1700.00	1500.00	0.0	0.0	711.40	137.00	713.68	12.37	714.39	20.12	0.0	0.0	7.29
1700.00	1500.00	0.0	0.0	711.40	185.00	714.03	17.15	714.83	23.02	0.0	0.0	7.92
1700.00	1500.00	0.0	0.0	711.40	318.00	714.80	30.67	715.78	29.27	0.0	0.0	9.19

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
200.000	107.000	666.852	0.0	0.0	0.0	12.517	0.0	200.000
200.000	225.000	667.843	0.991	0.0	0.0	25.902	-13.385	200.000
200.000	296.000	668.280	0.437	0.0	0.0	32.890	-20.373	200.000
200.000	484.000	669.118	0.838	0.0	0.0	48.721	-36.204	200.000
1700.000	61.000	712.927	0.0	46.074	0.0	13.963	0.0	1500.000
1700.000	137.000	713.679	0.753	45.836	0.0	20.124	-6.161	1500.000
1700.000	185.000	714.033	0.354	45.753	0.0	23.022	-9.059	1500.000
1700.000	318.000	714.795	0.763	45.678	0.0	29.271	-15.308	1500.000

DATA FOR LAST CROSS SECTION

PROFILL	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.456	0.0
2	0.0	0.0	0.792	0.337
3	0.0	0.0	0.963	0.507
4	0.0	0.0	1.343	0.807

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MOORE ENGINEERING / MOORE ENGINEERING, INC. / ALPHABETIC