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

T1 TRIB. 15 BASIN 4 NEUSE RIVER TRIB.
 T2 FLOOD STUDY AT WAKE COUNTY NC M-G JOB NO. 6855 JW APRIL 1976
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	266.060	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
G	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 ENCKROACHMENT STATIONS=	100.0	151.0	TYPE=	1	TARGET=	51.000
800.00	9.06	266.06	0.0	266.06	266.76	0.70
1630.	361.	1269.	0.	90.	173.	0.
0.0	4.00	7.32	0.0	0.085	0.060	0.085
0.009438	800.	800.	800.	0	0	1
						0.0
						51.00
						151.00

2800 NAT Q1= 159.78 WSEL= 301.04 ENC Q1= 191.43 WSEL= 302.04 RATIO= -0.1981
 NAT Q1= 249. RATIOS LOB,CH,ROB= 0.1842 0.7682 0.0476 WSEL= 302.04

3470 ENCKROACHMENT STATIONS=	100.0	152.0	TYPE=	4	TARGET=	0.232
4000.00	7.79	301.29	0.0	301.04	302.08	0.79
1630.	0.	1630.	0.	0.	228.	0.
0.12	0.0	7.15	0.02	0.085	0.060	0.085
0.013057	3200.	3200.	3200.	5	0	1
						0.0
						52.00
						152.00

2800 NAT Q1= 122.20 WSEL= 326.74 ENC Q1= 122.20 WSEL= 327.24 RATIO= 0.0
 NAT Q1= 178. RATIOS LOB,CH,ROB= 0.7571 0.0455 0.1974 WSEL= 327.24

3470 ENCKROACHMENT STATIONS=	138.8	288.1	TYPE=	4	TARGET=	0.313
5900.00	6.80	327.40	0.0	326.74	327.69	0.29
1630.	1136.	99.	395.	278.	13.	104.
0.25	4.09	7.89	3.80	0.085	0.060	0.085
0.013868	1900.	1900.	1900.	5	0	1
						0.0
						149.27
						288.05

2800 NAT Q1= 198.31 WSEL= 327.40 ENC Q1= 198.31 WSEL= 327.90 RATIO= 0.0
 NAT Q1= 266. RATIOS LOB,CH,ROB= 0.7435 0.0360 0.2204 WSEL= 327.90

13250.000	1630.000	448.131	0.0	8.191	0.0	409.049	0.0	200.000
13300.000	1630.000	448.593	0.0	0.462	0.0	421.587	0.0	50.000
14050.000	1630.000	451.734	0.0	3.141	0.0	283.678	0.0	750.000

1	DATA FOR LAST CROSS SECTION					1
2	PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH	2
3				AREA-ACRES	AREA-DIFF	3
4						4
5	1	0.0	0.0	60.778	0.0	5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
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55						55
56						56
57						57

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES 1

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4 100 YEAR FLOOD WATER SUR 5

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6 SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CWSEL TQ EG TOPWID STENCL STENCR VCH 7

7 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS) 8

8 800.00 800.00 0.0 0.0 257.00 1630.00 265.06 148.74 265.83 99.31 0.0 0.0 8.02 9

9 4000.00 3200.00 0.0 0.0 293.50 1630.00 301.04 159.78 301.58 123.02 0.0 0.0 6.32 10

10 5900.00 1900.00 0.0 0.0 320.60 1630.00 326.74 122.20 327.00 244.07 0.0 0.0 8.31 11

11 5950.00 50.00 0.0 0.0 320.60 1630.00 327.40 198.31 327.53 250.55 0.0 0.0 5.51 12

12 6000.00 50.00 336.30 322.70 320.60 1630.00 341.58 5349.24 341.58 374.38 0.0 0.0 0.45 13

13 6050.00 50.00 0.0 0.0 320.70 1630.00 341.58 5288.10 341.58 374.05 0.0 0.0 0.45 14

14 9050.00 3000.00 0.0 0.0 346.20 1630.00 352.01 97.28 352.74 230.52 0.0 0.0 9.40 15

15 12914.00 3864.00 0.0 0.0 428.40 1630.00 437.28 121.86 438.35 94.01 0.0 0.0 8.49 16

16 12964.00 50.00 0.0 0.0 429.50 1630.00 438.66 134.76 439.21 121.65 0.0 0.0 9.33 17

17 13000.00 36.00 437.30 433.50 429.50 1630.00 439.74 209.88 439.99 153.63 0.0 0.0 6.48 18

18 13050.00 50.00 0.0 0.0 428.80 1630.00 439.94 277.55 440.22 177.25 0.0 0.0 5.27 19

19 13250.00 200.00 0.0 0.0 445.10 1630.00 448.13 58.26 448.55 409.05 0.0 0.0 10.25 20

20 13300.00 50.00 446.30 446.60 445.10 1630.00 448.59 112.49 448.75 421.59 0.0 0.0 5.92 21

21 14050.00 750.00 0.0 0.0 442.90 1630.00 451.73 394.94 451.85 283.68 0.0 0.0 3.56 22

22

23 SECTION DISCHARGE CWSEL CWSEL DIFF CWSEL DIFF CWSEL-WSELK TOPWID T.W. DIFF LENGTH 24

24 NUMBER CFS EACH Q EACH SECTION 25

25 800,000 1630.000 265.058 0.0 0.0 0.0 99.305 0.0 800.000 26

26 4000,000 1630.000 301.041 0.0 35.983 0.0 123.019 0.0 3200.000 27

27 5900,000 1630.000 326.738 0.0 25.697 0.0 244.072 0.0 1900.000 28

28 5950,000 1630.000 327.401 0.0 0.664 0.0 250.552 0.0 50.000 29

29 6000,000 1630.000 341.582 0.0 14.180 0.0 374.384 0.0 50.000 30

30 6050,000 1630.000 341.582 0.0 0.000 0.0 374.052 0.0 50.000 31

31 9050,000 1630.000 352.012 0.0 10.430 0.0 230.519 0.0 3000.000 32

32 12914,000 1630.000 437.282 0.0 85.270 0.0 94.014 0.0 3864.000 33

33 12964,000 1630.000 438.658 0.0 1.376 0.0 121.646 0.0 50.000 34

34 13000,000 1630.000 439.739 0.0 1.081 0.0 153.629 0.0 36.000 35

35 13050,000 1630.000 439.940 0.0 0.201 0.0 177.250 0.0 50.000 36

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13575.000	1700.000	376.765	0.275	4.859	0.0	224.033	-56.840	75.000
13575.000	3230.000	377.461	0.707	4.196	0.0	291.413	-124.210	75.000
13575.000	1700.000	50122.430	49744.960	0.0	0.0	34.982	132.212	75.000
13631.000	600.000	376.430	0.0	0.310	0.0	195.366	0.0	56.000
13631.000	1250.000	377.076	0.646	0.505	0.0	254.011	-58.645	56.000
13631.000	1700.000	377.437	0.361	0.682	0.0	299.641	-94.274	56.000
13631.000	3230.000	378.315	0.879	0.854	0.0	376.369	-181.002	56.000
13631.000	1700.000	50122.738	49744.420	0.310	0.0	46.764	148.602	56.000
13681.000	600.000	375.508	0.0	0.168	0.0	420.538	0.0	50.000
13681.000	1250.000	377.312	0.714	0.236	0.0	431.028	-10.401	50.000
13681.000	1700.000	377.700	0.389	0.263	0.0	436.752	-16.214	50.000
13681.000	3230.000	378.662	0.961	0.347	0.0	451.133	-30.566	50.000
13681.000	1700.000	50122.738	49744.070	0.0	0.0	227.348	193.100	50.000

DATA FOR LAST CROSS SECTION
PROFILE TYPE FNC

TARGET TOP WIDTH
AREA-ACRES TOP WIDTH
AREA-DIFF

1	0.0	0.0	39.284	0.0
2	0.0	0.0	66.507	27.223
3	0.0	0.0	71.936	32.652
4	0.0	0.0	83.438	44.154
5	4.000	0.229	9.290	-20.995

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN. EL. OF ROADWAY	MAX. EL. OF LOW CHORD	MIN. EL. OF GROUND	DISCHARGE (CFS)	W/S	TOP	LG	VERWID	STENCIL	STENCIL	W/S	
A	1000.00	1000.00	0.0	0.0	244.00	700.00	242.86	107.97	250.74	376.06	0.0	0.0	4.12
	1000.00	1000.00	0.0	0.0	244.00	1440.00	250.01	277.10	250.00	374.54	0.0	0.0	4.58
	1000.00	1000.00	0.0	0.0	244.00	1950.00	251.30	352.80	251.40	374.62	0.0	0.0	4.35
	1000.00	1000.00	0.0	0.0	244.00	2700.00	252.75	475.13	252.87	408.08	0.0	0.0	4.41
	1000.00	1000.00	0.0	0.0	244.00	50122.43	50122.43	50122.43	50122.43	118.91	197.00	701.87	0.00
B	4000.00	3000.00	0.0	0.0	268.80	600.00	275.80	77.66	276.05	135.84	0.0	0.0	4.20
	4000.00	3000.00	0.0	0.0	268.80	1250.00	276.18	104.80	276.00	101.25	0.0	0.0	4.10
	4000.00	3000.00	0.0	0.0	268.80	1700.00	276.47	141.80	277.45	212.06	0.0	0.0	4.07
	4000.00	3000.00	0.0	0.0	268.80	2250.00	277.57	240.25	278.56	276.06	0.0	0.0	4.07
	4000.00	3000.00	0.0	0.0	268.80	50122.43	50122.43	50122.43	50122.43	20.03	208.00	208.00	0.00
C	13500.00	9500.00	0.0	0.0	265.70	600.00	369.04	42.71	370.41	141.62	0.0	0.0	6.50
	13500.00	9500.00	0.0	0.0	265.70	1250.00	371.40	147.75	371.61	243.47	0.0	0.0	6.50
	13500.00	9500.00	0.0	0.0	265.70	1700.00	371.00	108.01	370.12	250.59	0.0	0.0	6.54
	13500.00	9500.00	0.0	0.0	265.70	2250.00	373.07	404.15	371.52	290.58	0.0	0.0	6.50
	13500.00	9500.00	0.0	0.0	265.70	50122.43	50122.43	50122.43	50122.43	19.00	1332.00	1321.00	0.00
D	13575.00	75.00	0.0	0.0	367.30	600.00	376.12	23.72	376.44	167.10	0.0	0.0	6.42
	13575.00	75.00	0.0	0.0	367.30	1250.00	376.48	39.76	377.27	100.45	0.0	0.0	6.01
	13575.00	75.00	0.0	0.0	367.30	1700.00	376.75	55.61	377.41	224.03	0.0	0.0	6.17
	13575.00	75.00	0.0	0.0	367.30	2250.00	377.47	114.17	378.26	201.21	0.0	0.0	6.07
	13575.00	75.00	0.0	0.0	367.30	50122.43	50122.43	50122.43	50122.43	76.08	1637.00	1671.08	0.00

SECTION NUMBER	DISCHARGE (CFS)	W/S	W/S DIFF EACH	W/S DIFF EACH SECTION	W/S	VERWID	T.W. DIFF	LENGTH
1000.000	700.000	242.862	0.0	0.0	0.0	376.038	0.0	1000.000
1000.000	1440.000	250.000	0.078	0.0	0.0	374.550	-15.471	1000.000
1000.000	1950.000	251.304	0.485	0.0	0.0	374.618	-10.067	1000.000
1000.000	2700.000	252.746	1.251	0.0	0.0	408.084	-72.076	1000.000
1000.000	50122.430	50122.430	43380.680	0.0	0.0	118.820	217.260	1000.000
4000.000	600.000	275.801	0.0	0.0	0.0	135.837	0.0	3000.000
4000.000	1250.000	276.170	0.370	0.0	0.0	101.257	-54.117	3000.000
4000.000	1700.000	276.473	0.484	0.0	0.0	212.061	-77.126	3000.000
4000.000	2250.000	277.577	0.941	0.0	0.0	276.067	-111.227	3000.000
4000.000	50122.430	50122.430	49744.950	0.0	0.0	20.030	115.875	3000.000
13500.000	600.000	369.047	0.0	0.0	0.0	141.621	0.0	9500.000
13500.000	1250.000	371.403	1.456	0.0	0.0	243.466	-91.845	9500.000
13500.000	1700.000	371.606	0.406	0.0	0.0	250.582	-108.061	9500.000
13500.000	2250.000	373.265	1.770	0.0	0.0	290.584	-167.067	9500.000
13500.000	50122.430	50122.430	49749.160	0.0	0.0	19.000	120.610	9500.000
13575.000	600.000	376.120	0.0	0.0	0.0	167.104	0.0	75.000

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

T1 TRIP, 10 BASIN 4 NUJST RIVER TRIP,
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JCR NO. 6885
 T3 100 YEAR FLOODWAY

J1	ICHECK	INO	NINV	IDIC	STOT	VELOC	HVIN	Q	WSEL	E2
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	0.0	0.0
J2	NPREC	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	TRW	CHNIM	TRWACC
	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= 127.87 WSEL= 240.06 ENC Q1= 127.87 WSEL= 250.06 RATIO= -0.0000
 NAT Q1= 272. RATIO LOR, CH, FOR= 0.0760 0.2851 0.6380 WSEL= 250.06
 2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED
 3280 CROSS SECTION 1070.00 EXTENDED 49857.04 FEET

SENO	DEPTH	WSEL	CRMS	WSEL	CG	HV	TH	CROSS	BANK ELEV
Q	CLR	QCH	QCR	ALCR	ACH	AFR	VCL	TWA	LEFT/RIGHT
TIME	VLCH	VCH	VECR	YML	XACH	XNC	VML	FLMIN	SET
SLOPE	XLCHL	XLCH	XLCRS	ITIAL	IBC	ICOM	CREAR	TARWID	ENDST

3470 ENCROACHMENT STATIONS= 183.0 301.0 TYPE= 1 TARGET= 0.571
 1000.00 49877.64 50122.44 0.0 240.06 50122.44 0.00 0.00 0.00 240.00
 1050. 0. 456. 1404. 14. 1147101. 4778277. 0.00 0.00 244.00 183.00
 0.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 119.01 301.01
 0.000000 1000. 1000. 1000. 0 0 1 0.0 0.0 119.01 301.01

2800 NAT Q1= 77.66 WSEL= 275.60 ENC Q1= 01.16 WSEL= 275.60 RATIO= -0.1730
 NAT Q1= 170. RATIO LOR, CH, FOR= 0.1851 0.6561 0.1588 WSEL= 275.60
 3280 CROSS SECTION 4000.00 EXTENDED 49830.44 FEET

3470 ENCROACHMENT STATIONS= 308.0 1328.0 TYPE= 4 TARGET= 0.577
 4000.00 49853.64 50122.44 0.0 275.60 50122.44 0.00 0.00 0.00 275.00
 1700. 0. 1700. 0. 18. 997041. 43. 270760. 0.00 0.00 263.00 308.00
 498.76 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 00.10 308.10
 0.000000 3000. 3000. 3000. 0 0 4 0.0 0.0 00.10 308.10

2800 NAT Q1= 42.71 WSEL= 360.04 ENC Q1= 41.47 WSEL= 370.04 RATIO= -0.0168
 NAT Q1= 103. RATIO LOR, CH, FOR= 0.1920 0.4026 0.1906 WSEL= 370.04
 3280 CROSS SECTION 13600.00 EXTENDED 49732.84 FEET

3470 ENCROACHMENT STATIONS= 1702.0 1321.0 TYPE= 4 TARGET= 0.577
 13500.00 49756.73 50122.44 0.0 360.04 50122.44 0.00 0.00 0.00 360.00
 1700. 0. 1700. 0. 18. 045755. 49. 450203. 0.00 0.00 370.10

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T1 TDIR,10 BASIN 4 NFUSE RIVER TDIR.
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JCB NO. 0855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INC NINW IDIF STRF METRIC HVINF 0 WSEI EQ
 -10. F. 0. 0. 0.00700 0.0 0.0 0. 251.000 0.0

J2 NPROF IPILOT PREVS XSECV XSECH EN ALLOC IBA CHNIM ITRACE
 4.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CCHV= 0.100 CCHV= 0.300

SECTN	DEPTH	CWSFL	CRWS	WSELY	EG	HV	HL	CLDSC	BANK ELEV
Q	Q/CS	Q/CH	Q/CR	ALCH	ACH	ASCR	VCL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VCR	XNL	XNCH	XNCR	WYN	ELMIN	STA
SLOPE	XLCBL	XLCH	XLCR	ITR141	IDC	ICRNT	CRPAR	TOWID	ENDST
1500.00	7.85	257.75	0.0	251.00	257.87	0.10	0.0	0.0	249.40
3700.	0.86	70.1	257.	245.	159.	0.00	0.0	0.0	249.50
0.0	1.00	6.41	2.77	0.000	0.000	0.000	0.0	244.00	05.04
0.00700	1000.	1000.	1000.	0	0	0	0.0	403.00	504.12

3685 20 TRIALS USED WSELY,CWSFL

71.85 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECTN	DEPTH	CWSFL	CRWS	WSELY	EG	HV	HL	CLDSC	BANK ELEV
Q	Q/CS	Q/CH	Q/CR	ALCH	ACH	ASCR	VCL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VCR	XNL	XNCH	XNCR	WYN	ELMIN	STA
SLOPE	XLCBL	XLCH	XLCR	ITR141	IDC	ICRNT	CRPAR	TOWID	ENDST
4500.00	6.77	277.57	247.57	0.0	278.86	0.00	0.0	0.0	274.00
3700.	0.50	154.3	722.	257.	164.	0.00	0.0	0.0	274.00
0.10	3.77	10.79	4.04	0.000	0.000	0.000	0.0	268.00	167.28
0.017778	7000.	7000.	7000.	0	0	0	0.0	246.00	413.74

3843 WIDTHS WITH HIGH ENOUGH 44,444 473,000 366,700 470,400 277,830

3901 HV CHANGED WSELY,CWSFL

SECTN	DEPTH	CWSFL	CRWS	WSELY	EG	HV	HL	CLDSC	BANK ELEV
Q	Q/CS	Q/CH	Q/CR	ALCH	ACH	ASCR	VCL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VCR	XNL	XNCH	XNCR	WYN	ELMIN	STA
SLOPE	XLCBL	XLCH	XLCR	ITR141	IDC	ICRNT	CRPAR	TOWID	ENDST
1350.00	7.87	373.07	371.80	0.0	373.52	0.00	01.89	0.00	369.20
3700.	1.63	777.	1320.	374.	121.	0.00	0.00	0.0	370.00
0.01	3.48	6.00	3.03	0.000	0.000	0.000	0.000	365.70	1212.61
0.00700	2500.	2500.	2500.	0	0	0	0.0	200.50	1512.20

3685 20 TRIALS USED WSELY,CWSFL

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T1 TRIP 10 BASIN A NEUSE RIVER TRIP.
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO. 0855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINW IDIF STPT METRIC HVINS Q WDFL FO
 -10. 4. 0. 0. 0.003000 0.0 0.0 0. 240.000 0.0

J2 NPROF IPLDT PRFVS XSECV XSECH FN ALLOC INW CHNTH YSPACE
 3.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CFHV= 0.100 CFHV= 0.300

SECON	DEPTH	CWSFL	CF IWS	WSFLK	FG	HV	HL	CLDSC	BANK ELEV
TIME	VLDB	VCH	VSCP	YNL	XNCH	XNS	WTN	ELMIN	SSTA
SLOPE	XLDBL	XLCH	XLDBP	ITRIL	IDC	ICONT	CRAP	TORWID	ENDST
1000.00	6.47	251.30	0.0	240.00	251.40	0.10	0.0	0.0	240.50
1050.	185.	101.	1274.	137.	128.	130.	0.	0.	240.50
0.0	1.30	3.88	1.85	0.085	0.000	0.085	0.0	244.00	103.00
0.003053	1000.	1000.	1000.	0	0	0	0.0	374.62	478.61

3585 20 TRIALS USED WSEL,CWSFL

7185 MIN SPECIFIC ENERGY

1720 ASSUMED CRITICAL DEPTH

SECON	DEPTH	CWSFL	CF IWS	WSFLK	FG	HV	HL	CLDSC	BANK ELEV
TIME	VLDB	VCH	VSCP	YNL	XNCH	XNS	WTN	ELMIN	SSTA
SLOPE	XLDBL	XLCH	XLDBP	ITRIL	IDC	ICONT	CRAP	TORWID	ENDST
4030.00	7.23	276.67	276.67	0.0	277.40	0.00	14.77	0.0	274.60
1700.	135.	1101.	1275.	135.	135.	135.	45.	0.	274.60
0.13	2.78	3.03	2.66	0.085	0.000	0.085	0.061	268.00	120.60
0.014373	3000.	3000.	3000.	0	0	0	0.0	212.00	302.65

3301 HV CHANGED MORE THAN HVINS

13500.00	6.20	271.00	0.0	0.0	272.10	0.22	04.61	0.00	240.00
1700.	648.	527.	524.	218.	25.	235.	145.	0.	270.10
0.87	2.08	5.54	2.22	0.085	0.000	0.085	0.061	268.70	1221.54
0.027305	2500.	2500.	2500.	0	0	0	0.0	250.00	1472.13

3685 20 TRIALS USED WSEL,CWSFL

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

T1 TRIM.10 BASIN 4 MELSE RIVER TRID.
 T2 FLOOD STUDY AT WAKE COUNTY NC M-G JOB NO. 6855 JW APRIL 1976
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIF STRT METRIC HVINS Q WSEFL EQ II
 -10. 7. 0. 0. 0.007000 0.0 0.0 0. 248.000 0.0
 J2 NPRCF TPLDT PBEVS XSECV XSECH EN ALLOC TRW CHNTRM TRBACC
 2.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0

CHVE= 0.100 CHV= 0.300
 SEOND DEPTH CWSEL CRISV WSEFL EQ HV HL QLOSS BANK ELEV
 0 QLOSS TWA LEFT/RIGHT
 TIME SLOPE VLOC VCH VSECH XNL XNCH XNS WTN ELMIN SSTA
 SLOPE XLORL XLCH XLORR XLCRR ITCAL IDC ICENT CCRAS TRWID ENOST
 1000.00 6.01 250.01 0.0 248.00 250.00 0.00 0.0 0.0 0.0 240.40
 1440. 107. 419. 015. 05. 117. 567. 0.0 0.0 0.0 240.50
 0.00000 1.017 3.59 1.67 0.085 0.000 0.085 0.0 0.0 0.0 106.77
 0.00000 1000. 1000. 1000. 0.0 0.0 0.0 0.0 0.0 0.0 361.54 468.27

3685 20 TRIALS USED WSEFL,CWSEL
 7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SEOND DEPTH CWSEL CRISV WSEFL EQ HV HL QLOSS BANK ELEV
 0 QLOSS TWA LEFT/RIGHT
 TIME SLOPE VLOC VCH VSECH XNL XNCH XNS WTN ELMIN SSTA
 SLOPE XLORL XLCH XLORR XLCRR ITCAL IDC ICENT CCRAS TRWID ENOST
 4001.00 7.39 276.18 276.18 0.0 276.00 0.00 0.0 0.0 0.0 274.60
 1250. 147. 940. 354. 04. 112. 710. 0.0 0.0 0.0 270.00
 0.013503 3000. 3000. 3000. 0.0 0.0 0.0 0.0 0.0 0.0 268.80 201.42
 0.00000 1000. 1000. 1000. 0.0 0.0 0.0 0.0 0.0 0.0 101.05 300.37

3701 HV CHANGED MORE THAN HVINS

13500.00 5.70 271.40 0.0 0.0 271.00 0.00 0.0 04.57 0.00 260.00
 1250. 484. 451. 315. 178. 66. 164. 0.0 112. 65. 270.10
 0.00000 2.71 5.25 1.02 0.085 0.000 0.085 0.000 0.000 365.70 1224.80
 0.007562 6500. 6500. 6500. 0.0 0.0 0.0 0.0 0.0 0.0 233.47 1459.26

3685 20 TRIALS USED WSEFL,CWSEL

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

10 YEAR FLOOD WATER SURF

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHOPD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	T0	EG	TOPWID	STENCL	STENCR	VCH
1000.00	1000.00	0.0	0.0	244.90	700.00	249.96	127.87	250.14	336.06	0.0	0.0	7.12
4000.00	3000.00	0.0	0.0	268.80	600.00	275.60	77.66	275.95	135.84	0.0	0.0	5.05
13500.00	9500.00	0.0	0.0	365.70	600.00	369.94	42.71	370.41	141.62	0.0	0.0	6.59
13575.00	75.00	0.0	0.0	367.30	600.00	376.12	23.72	376.44	167.19	0.0	0.0	6.42
13671.00	56.00	374.80	380.30	367.70	600.00	376.43	37.45	376.59	105.37	0.0	0.0	4.17
13681.00	50.00	0.0	0.0	365.70	600.00	376.60	1286.04	376.60	420.54	0.0	0.0	3.47

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH 0	CWSFL DIFF EACH SECTION	CWSFL-WSEIK	TOPWID	T.W. DIFF	LENGTH
1000.000	700.000	249.962	0.0	0.0	0.0	336.059	0.0	1000.000
4000.000	600.000	275.601	0.0	25.638	0.0	135.857	0.0	3000.000
13500.000	600.000	369.943	0.0	94.343	0.0	141.621	0.0	9500.000
13575.000	600.000	376.120	0.0	6.177	0.0	167.194	0.0	75.000
13671.000	600.000	376.430	0.0	0.310	0.0	105.366	0.0	56.000
13681.000	600.000	376.598	0.0	0.168	0.0	420.539	0.0	50.000

DATA FOR LAST CROSS SECTION PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	39.284	0.0

CONTINUED NEXT SECTION WORK IN PROGRESS ROAD 24.1