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

T1 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	0.	4.	0.	0.	0.006000	0.0	0.0	0.	259.200	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	480.000	1000.000	1350.000	2600.000	1350.000	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	2750.000	11.000	1847.000	1886.000	0.0	0.0	0.0	0.0	0.0	0.0
GR	266.900	1700.000	258.700	1800.000	258.100	1847.000	256.500	1862.000	252.500	1865.000
GR	252.200	1872.000	252.500	1879.000	252.300	1886.000	256.800	1900.000	255.000	1988.000
GR	260.600	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0
X1	6250.000	12.000	1221.000	1248.000	3510.000	3490.000	3500.000	0.0	-1.900	0.0
GR	300.200	1040.000	289.000	1060.000	289.000	1100.000	288.400	1200.000	289.200	1221.000
GR	285.100	1224.000	284.900	1231.000	285.100	1238.000	290.000	1248.000	289.500	1300.000
GR	294.400	1400.000	303.100	1440.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1137.000	1237.000	0.0	0.0
X1	6450.000	17.000	1221.000	1232.000	201.000	199.000	200.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	298.400	1000.000	291.000	1100.000	289.400	1150.000	290.700	1200.000	291.700	1219.000
GR	285.900	1219.000	285.100	1221.000	284.200	1222.000	283.800	1226.000	284.000	1230.000
GR	285.200	1232.000	285.900	1237.000	291.700	1237.000	291.800	1300.000	293.500	1383.000
GR	294.000	1400.000	296.600	1450.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.260	2.600	0.0	18.000	0.010	259.800	0.0	283.800	283.700
ET	0.0	0.0	0.0	0.0	0.0	7.100	1154.000	1254.000	0.0	0.0
X1	6475.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	298.400	0.0	1100.000	291.000	0.0	1150.000	289.400	0.0
BT	1200.000	290.700	0.0	1219.000	294.700	291.700	1219.000	294.700	290.800	1221.000
BT	294.700	290.800	1222.000	294.700	290.800	1226.000	294.700	290.800	1230.000	294.700
BT	290.800	1232.000	294.700	290.800	1237.000	294.700	290.800	1237.000	294.700	291.700
BT	1300.000	291.800	0.0	1383.000	293.500	0.0	1400.000	294.000	0.0	1450.000
BT	296.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1171.000	1271.000	0.0	0.0
X1	6675.000	12.000	1221.000	1248.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	300.200	1040.000	289.000	1060.000	289.000	1100.000	288.400	1200.000	289.200	1221.000

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

T1 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	259.180	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
 2800 NAT Q1= 173.72 WSEL= 258.18 ENC Q1= 173.72 WSEL= 259.18 RATIO= 0.0

NAT Q1=	288.	RATIOS	LOB,CH,ROB=	0.0206	0.4360	0.5434	WSEL=	259.18	
SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNLH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	1832.8	1910.4	TYPE=	4	TARGET=	0.396			
2750.00	6.98	259.18	0.0	258.18	259.57	0.39	0.0	0.0	258.10
1350.	21.	1000.	329.	14.	165.	91.	0.	0.	252.30
0.0	1.47	5.40	3.63	0.080	0.060	0.080	0.0	252.20	1832.78
0.006375	0.	0.	0.	0	0	1	0.0	77.64	1510.42

2800 NAT Q1= 116.78 WSEL= 288.27 ENC Q1= 116.78 WSEL= 288.97 RATIO= 0.0
 NAT Q1= 198. RATIOS LOB,CH,ROB= 0.5161 0.4113 0.0727 WSEL= 288.97

3470 ENCROACHMENT STATIONS=	1173.4	1267.6	TYPE=	4	TARGET=	0.410			
6250.00	6.03	289.03	0.0	288.27	289.62	0.60	30.00	0.06	287.30
1350.	393.	915.	41.	110.	128.	20.	22.	7.	288.10
0.16	3.58	7.14	2.08	0.080	0.060	0.080	0.060	283.00	1173.37
0.012129	3510.	3500.	3490.	6	0	1	0.0	94.18	1267.55

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

2265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES 1

4 100 YEAR FLOODWAY 6

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	2750.00	0.0	0.0	0.0	252.20	1350.00	258.18	173.72	258.39	154.53	0.0	0.0	4.49
	2750.00	0.0	0.0	0.0	252.20	1350.00	259.18	169.05	259.56	77.64	1832.78	1910.43	5.40
B	6250.00	3500.00	0.0	0.0	283.00	1350.00	288.27	116.78	288.69	255.81	0.0	0.0	6.68
	6250.00	3500.00	0.0	0.0	283.00	1350.00	289.03	122.58	289.62	94.18	1173.38	1267.55	7.14
	6450.00	200.00	0.0	0.0	283.80	1350.00	291.61	126.23	292.54	143.62	0.0	0.0	9.72
	6450.00	200.00	0.0	0.0	283.80	1350.00	291.36	112.04	292.63	93.57	1137.00	1237.00	10.71
	6475.00	25.00	289.40	291.70	283.80	1350.00	291.72	133.71	292.54	163.98	0.0	0.0	9.27
	6475.00	25.00	289.40	291.70	283.80	1350.00	291.97	123.20	293.10	100.00	1154.00	1254.00	10.27
C	6675.00	200.00	0.0	0.0	284.90	1350.00	292.89	561.45	292.92	316.07	0.0	0.0	1.96
	6675.00	200.00	0.0	0.0	284.90	1350.00	293.71	358.39	293.83	100.00	1171.00	1271.00	3.32
D	12050.00	5375.00	0.0	0.0	315.00	1350.00	326.62	30.81	332.44	6.00	0.0	0.0	19.37
	12050.00	5375.00	0.0	0.0	315.00	1350.00	325.59	30.72	332.44	6.00	1343.00	1349.00	19.42
	12075.00	25.00	0.0	0.0	315.00	1350.00	329.15	38.48	333.08	6.00	0.0	0.0	15.90
	12075.00	25.00	0.0	0.0	315.00	1350.00	329.12	38.39	333.06	6.00	1343.00	1349.00	15.93
E	12275.00	200.00	0.0	0.0	316.50	650.00	333.47	3400.05	333.47	535.55	1290.0	13190.0	0.26
	12275.00	200.00	0.0	0.0	316.50	650.00	333.48	1930.78	333.48	200.00	1190.00	1390.00	0.45

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
A	2750.000	1350.000	258.185	0.0	0.0	154.532	0.0	0.0
	2750.000	1350.000	259.180	0.995	0.0	77.641	76.892	0.0
B	6250.000	1350.000	288.268	0.0	30.083	255.811	0.0	3500.000
	6250.000	1350.000	289.027	0.760	29.847	94.178	161.633	3500.000
	6450.000	1350.000	291.612	0.0	3.345	143.622	0.0	200.000
	6450.000	1350.000	291.361	-0.251	2.334	93.574	50.048	200.000
	6475.000	1350.000	291.718	0.0	0.106	163.975	0.0	25.000
	6475.000	1350.000	291.968	0.250	0.606	99.999	63.976	25.000
C	6675.000	1350.000	292.886	0.0	1.168	316.071	0.0	200.000
	6675.000	1350.000	293.710	0.824	1.742	99.999	216.072	200.000
D	12050.000	1350.000	326.615	0.0	33.729	6.000	0.0	5375.000
	12050.000	1350.000	326.586	-0.029	32.876	6.000	0.0	5375.000
	12075.000	1350.000	329.150	0.0	2.535	6.000	0.0	25.000
	12075.000	1350.000	329.121	-0.029	2.535	6.000	0.0	25.000
E	12275.000	650.000	333.474	0.0	4.324	535.551	0.0	200.000
	12275.000	650.000	333.476	0.002	4.355	199.999	335.552	200.000

DATA FOR LAST CROSS SECTION
 PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH

AREA-ACRES AREA-DIFF

1	0.0	0.0	39.717	0.0
2	1.000	200.000	14.871	-24.846

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

EJ

1					1
2					2
3					3
4					4
5					5
6					6
7					7
8					8
9					9
10					10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25
26					26
27					27
28					28
29					29
30					30
31					31
32					32
33					33
34					34
35					35
36					36
37					37
38					38
39					39
40					40
41					41
42					42
43					43
44					44
45					45
46					46
47					47
48					48
49					49
50					50
51					51
52					52
53					53
54					54
55					55
56					56
57					57

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

10 YEAR FLOOD WATER SURF

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
2750.00	0.0	0.0	0.0	252.20	480.00	256.29	62.02	256.52	101.88	0.0	0.0	4.34
6250.00	3500.00	0.0	0.0	283.00	480.00	287.08	40.02	287.58	136.26	0.0	0.0	5.86
6450.00	200.00	0.0	0.0	283.80	480.00	289.32	48.31	289.99	18.00	0.0	0.0	7.07
6475.00	25.00	289.40	291.70	283.80	480.00	289.32	48.34	289.99	18.00	0.0	0.0	7.07
6675.00	200.00	0.0	0.0	284.90	480.00	290.49	150.85	290.52	262.87	0.0	0.0	1.94
12050.00	5375.00	0.0	0.0	315.00	480.00	320.81	13.62	323.75	6.00	0.0	0.0	13.76
12075.00	25.00	331.60	319.50	315.00	480.00	325.23	26.65	326.18	6.00	0.0	0.0	7.82
12275.00	200.00	0.0	0.0	316.50	220.00	326.31	488.16	326.31	372.78	0.0	0.0	0.41

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
2750.000	480.000	256.286	0.0	0.0	0.0	101.883	0.0	0.0
6250.000	480.000	287.077	0.0	30.792	0.0	136.263	0.0	3500.000
6450.000	480.000	289.317	0.0	2.239	0.0	18.000	0.0	200.000
6475.000	480.000	289.317	0.0	0.001	0.0	18.000	0.0	25.000
6675.000	480.000	290.487	0.0	1.170	0.0	262.870	0.0	200.000
12050.000	480.000	320.814	0.0	30.327	0.0	6.000	0.0	5375.000
12075.000	480.000	325.232	0.0	4.417	0.0	6.000	0.0	25.000
12275.000	220.000	326.312	0.0	1.080	0.0	372.777	0.0	200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	28.054	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 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	257.000	0.0
J2	NPROF	IPL0T	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	CRISW	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	ENUST	
2750.00	5.42	257.62	0.0	257.00	257.82	0.20	0.0	0.0	258.10	
1000.	0.	548.	452.	0.	126.	202.	0.	0.	252.30	
0.0	0.0	4.36	2.24	0.080	0.060	0.080	0.0	252.20	1851.46	
0.005988	0.	0.	0.	0	0	5	0.0	142.16	1993.62	

3265 DIVIDED FLOW

6250.00	4.91	287.91	287.80	0.0	288.34	0.43	30.45	0.07	287.50	
1000.	367.	629.	4.	165.	98.	6.	24.	15.	288.10	
0.20	2.23	6.43	0.63	0.080	0.060	0.080	0.060	285.00	1058.56	
0.013782	3510.	3500.	3490.	12	9	1	0.0	227.36	1305.28	

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRISW	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	ENUST	

6450.00 7.23 291.03 291.03 0.0 291.98 0.95 2.51 0.0 285.10

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

T1 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	259.200	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNAM	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	CRISW	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
2750.00	5.99	258.19	0.0	259.20	258.39	0.21	0.0	0.0	258.10
1350.	0.	678.	692.	0.	147.	263.	0.	0.	252.30
0.0	0.18	4.49	2.63	0.080	0.060	0.080	0.0	252.20	1840.29
0.006039	0.	0.	0.	0	0	5	0.0	154.53	1994.83

6250.00	5.27	288.27	288.03	0.0	288.69	0.42	30.23	0.06	287.30
1350.	599.	720.	31.	224.	108.	27.	31.	16.	288.10
0.20	2.67	6.68	1.18	0.080	0.060	0.080	0.060	283.00	1057.91
0.013365	3510.	3500.	3490.	14	9	1	0.0	255.81	1313.72

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRISW	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
6450.00	7.81	291.61	291.61	0.0	292.54	0.92	2.47	0.0	285.10
1350.	430.	800.	120.	171.	82.	30.	32.	17.	285.20
0.21	2.51	9.72	3.96	0.080	0.060	0.080	0.060	283.80	1091.72
0.011438	201.	200.	199.	3	15	1	0.0	143.62	1237.00

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

T1 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-6 JOB NO.6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.006000	0.0	0.0	0.	262.500	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	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 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRISW	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

2750.00	7.35	259.55	0.0	262.50	259.85	0.30	0.0	0.0	258.10
2600.	89.	1090.	1421.	59.	200.	414.	0.	0.	252.30
0.0	1.51	5.46	3.43	0.080	0.060	0.080	0.0	252.20	1789.59
0.005889	0.	0.	0.	0	0	4	0.3	208.17	1997.76

6250.00	6.16	289.16	288.77	0.0	289.63	0.47	29.73	0.05	287.30
2600.	1372.	1006.	222.	371.	132.	94.	51.	19.	288.10
0.19	3.70	7.63	2.37	0.080	0.060	0.080	0.060	283.00	1056.31
0.013311	3510.	3500.	3490.	17	14	1	0.0	275.67	1331.98

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	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

6450.00	8.95	292.75	292.75	0.0	293.66	0.91	2.59	0.0	285.10
2600.	1210.	1063.	327.	328.	95.	121.	54.	21.	285.20
0.20	3.69	11.21	2.69	0.080	0.060	0.080	0.060	283.80	1076.30
0.012572	201.	200.	199.	30	12	1	0.0	270.25	1346.56

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

T1 TRIBUTARY 2 BASIN 16
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	0.0	0.0
J2	NPROF	IPLOT	PRFVS	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
 2800 NAT Q1= 62.02 WSEL= 256.29 ENC Q1= 64.49 WSEL= 257.29 RATIO= -0.0398
 NAT Q1= 107. RATIOS LOB,CH,ROB= 0.0 0.6018 0.3982 WSEL= 257.29
 2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
 3280 CROSS SECTION 2750.00 EXTENDED 49865.49 FEET

SECNO	DEPTH	CWSEL	CRIWS	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	SSIA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCRoACHMENT STATIONS= 1847.0 1886.0 TYPE= 4 TARGET= 0.398
 2750.00 49873.89 50126.09 0.0 256.29 50126.09 0.00 0.0 0.0 258.10
 1350. 0. 1350. 0. 18. 1944993. 49. 0. 0. 252.30
 0.0 0.00 0.00 0.00 0.080 0.060 0.080 0.0 252.20 1847.00
 0.000000 0. 0. 0. 0 0 1 0.0 39.00 1886.00

2800 NAT Q1= 40.02 WSEL= 287.08 ENC Q1= 57.32 WSEL= 288.08 RATIO= -0.4323
 NAT Q1= 99. RATIOS LOB,CH,ROB= 0.4086 0.5812 0.0103 WSEL= 288.08
 3280 CROSS SECTION 6250.00 EXTENDED 49827.79 FEET

3470 ENCRoACHMENT STATIONS= 1221.0 1248.0 TYPE= 4 TARGET= 0.419
 6250.00 49843.09 50126.09 0.0 287.08 50126.09 0.00 0.00 0.00 287.50
 1350. 0. 1350. 0. 18. 1345728. 49. 132208. 3. 288.10
 969.17 0.00 0.00 0.00 0.080 0.060 0.080 0.060 283.00 1221.00
 0.000000 3510. 3500. 3490. 18 0 1 0.0 27.00 1248.00

2800 NAT Q1= 48.31 WSEL= 289.32 ENC Q1= 54.48 WSEL= 290.32 RATIO= -0.1276
 NAT Q1= 68. RATIOS LOB,CH,ROB= 0.0813 0.7986 0.1201 WSEL= 290.32
 3685 20 TRIALS USED WSEL,CWSEL
 3280 CROSS SECTION 6450.00 EXTENDED 49829.49 FEET
 0.000000 291.829 1.337 0.0 0.0 142.158 -40.275 0.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

10 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	2750.00	0.0	0.0	0.0	252.20	480.00	256.29	62.02	256.52	101.88	0.0	0.0	4.34
	2750.00	0.0	0.0	0.0	252.20	1000.00	257.62	129.23	257.82	142.16	0.0	0.0	4.36
	2750.00	0.0	0.0	0.0	252.20	1350.00	258.18	173.72	258.39	154.53	0.0	0.0	4.49
	2750.00	0.0	0.0	0.0	252.20	2600.00	259.55	338.80	259.85	208.17	0.0	0.0	5.46
	2750.00	0.0	0.0	0.0	252.20	1350.00	50126.09	*****	50126.09	39.00	1647.00	1886.00	0.00
B	6250.00	3500.00	0.0	0.0	283.00	480.00	287.08	40.02	287.58	136.26	0.0	0.0	5.86
	6250.00	3500.00	0.0	0.0	283.00	1000.00	287.91	85.18	288.54	227.36	0.0	0.0	6.83
	6250.00	3500.00	0.0	0.0	283.00	1350.00	288.27	116.78	288.69	255.81	0.0	0.0	6.68
	6250.00	3500.00	0.0	0.0	283.00	2600.00	289.16	225.36	289.63	275.67	0.0	0.0	7.63
	6250.00	3500.00	0.0	0.0	283.00	1350.00	50126.09	*****	50126.09	27.00	1221.00	1248.00	0.00
	6450.00	200.00	0.0	0.0	283.80	480.00	289.32	48.31	289.99	18.00	0.0	0.0	7.07
	6450.00	200.00	0.0	0.0	283.80	1000.00	291.03	93.61	291.98	124.57	0.0	0.0	9.20
	6450.00	200.00	0.0	0.0	283.80	1350.00	291.61	126.23	292.54	143.62	0.0	0.0	9.72
	6450.00	200.00	0.0	0.0	283.80	2600.00	292.75	231.88	293.66	270.25	0.0	0.0	11.21
	6450.00	200.00	0.0	0.0	283.80	1350.00	50126.09	*****	50126.09	11.00	1221.00	1232.00	0.00
	6475.00	25.00	0.0	0.0	283.80	480.00	289.32	48.34	289.99	18.00	0.0	0.0	7.07
	6475.00	25.00	0.0	0.0	283.80	1000.00	291.15	100.13	291.98	128.84	0.0	0.0	8.71
	6475.00	25.00	0.0	0.0	283.80	1350.00	291.72	133.71	292.54	163.98	0.0	0.0	9.27
	6475.00	25.00	0.0	0.0	283.80	2600.00	292.85	245.07	293.66	276.88	0.0	0.0	10.69
	6475.00	25.00	0.0	0.0	283.80	1350.00	50126.09	*****	50126.09	11.00	1221.00	1232.00	0.00
	6675.00	200.00	0.0	0.0	284.90	480.00	290.49	150.85	290.52	262.87	0.0	0.0	1.94
	6675.00	200.00	0.0	0.0	284.90	1000.00	292.31	438.94	292.33	303.29	0.0	0.0	1.75
	6675.00	200.00	0.0	0.0	284.90	1350.00	292.89	561.45	292.92	316.07	0.0	0.0	1.96
	6675.00	200.00	0.0	0.0	284.90	2600.00	294.12	872.58	294.17	343.35	0.0	0.0	2.72
	6675.00	200.00	0.0	0.0	284.90	1350.00	50126.09	*****	50126.09	77.77	1170.23	1248.00	0.00
	12050.00	5375.00	0.0	0.0	315.00	480.00	320.81	13.62	323.75	6.00	0.0	0.0	13.76
	12050.00	5375.00	0.0	0.0	315.00	1000.00	324.48	24.40	329.28	6.00	0.0	0.0	17.58
	12050.00	5375.00	0.0	0.0	315.00	1350.00	326.62	30.81	332.44	6.00	0.0	0.0	19.37
	12050.00	5375.00	0.0	0.0	315.00	2600.00	333.46	137.88	334.16	293.99	0.0	0.0	9.15
	12050.00	5375.00	0.0	0.0	315.00	1350.00	50126.09	*****	50126.09	6.00	1343.00	1349.00	0.00
	12075.00	25.00	0.0	0.0	315.00	480.00	325.23	26.65	326.18	6.00	0.0	0.0	7.82
	12075.00	25.00	0.0	0.0	315.00	1000.00	330.94	43.92	332.64	6.00	0.0	0.0	10.46
	12075.00	25.00	0.0	0.0	315.00	1350.00	329.15	38.48	333.08	6.00	0.0	0.0	15.90
	12075.00	25.00	0.0	0.0	315.00	2600.00	333.78	175.75	334.21	314.24	0.0	0.0	7.26
	12075.00	25.00	0.0	0.0	315.00	1350.00	50130.50	*****	50130.50	6.00	1343.00	1349.00	0.00
	12275.00	200.00	0.0	0.0	316.50	220.00	326.31	488.16	326.31	372.78	0.0	0.0	0.41
	12275.00	200.00	0.0	0.0	316.50	470.00	332.81	3242.96	332.81	525.49	0.0	0.0	0.19
	12275.00	200.00	0.0	0.0	316.50	650.00	333.47	3668.43	333.47	535.55	0.0	0.0	0.24
	12275.00	200.00	0.0	0.0	316.50	1360.00	334.26	4209.86	334.27	546.57	0.0	0.0	0.45
	12275.00	200.00	0.0	0.0	316.50	650.00	50130.50	*****	50130.50	140.98	1209.54	1350.52	0.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
2750.000	480.000	256.286	0.0	0.0	0.0	101.883	0.0	0.0
2750.000	1000.000	257.623	1.337	0.0	0.0	142.158	-40.275	0.0

121000
FA-608

2750.000	1350.000	258.185	0.562	0.0	0.0	154.532	-52.649	0.0
2750.000	2600.000	259.553	1.368	0.0	0.0	208.165	-106.282	0.0
2750.000	1350.000	50126.090	49866.530	0.0	0.0	39.002	62.881	0.0
6250.000	480.000	287.077	0.0	30.792	0.0	136.263	0.0	3500.000
6250.000	1000.000	287.907	0.830	30.284	0.0	227.360	-91.077	3500.000
6250.000	1350.000	288.268	0.360	30.083	0.0	255.811	-119.548	3500.000
6250.000	2600.000	289.163	0.895	29.610	0.0	275.669	-139.406	3500.000
6250.000	1350.000	50126.090	49836.920	0.0	0.0	27.002	109.261	3500.000
6450.000	480.000	289.317	0.0	2.239	0.0	18.000	0.0	200.000
6450.000	1000.000	291.026	1.710	3.119	0.0	124.571	-106.571	200.000
6450.000	1350.000	291.612	0.586	3.345	0.0	143.622	-125.622	200.000
6450.000	2600.000	292.753	1.141	3.591	0.0	270.255	-252.255	200.000
6450.000	1350.000	50126.090	49833.330	0.0	0.0	11.002	6.998	200.000
6475.000	480.000	289.317	0.0	0.001	0.0	18.000	0.0	25.000
6475.000	1000.000	291.152	1.835	0.126	0.0	128.837	-110.837	25.000
6475.000	1350.000	291.718	0.566	0.106	0.0	163.975	-145.975	25.000
6475.000	2600.000	292.854	1.136	0.101	0.0	276.876	-258.876	25.000
6475.000	1350.000	50126.090	49833.230	0.0	0.0	11.002	6.998	25.000
6675.000	480.000	290.487	0.0	1.170	0.0	262.870	0.0	200.000
6675.000	1000.000	292.311	1.823	1.158	0.0	303.291	-40.421	200.000
6675.000	1350.000	292.886	0.576	1.168	0.0	316.071	-53.201	200.000
6675.000	2600.000	294.115	1.229	1.261	0.0	343.346	-80.476	200.000
6675.000	1350.000	50126.090	49831.970	0.0	0.0	77.774	185.095	200.000
12050.000	480.000	320.814	0.0	30.327	0.0	6.000	0.0	5375.000
12050.000	1000.000	324.482	3.668	32.172	0.0	6.000	0.0	5375.000
12050.000	1350.000	326.615	2.133	33.729	0.0	6.000	0.0	5375.000
12050.000	2600.000	333.464	6.849	39.348	0.0	293.988	-287.988	5375.000
12050.000	1350.000	50126.090	49792.620	0.0	0.0	6.002	-0.002	5375.000
12075.000	480.000	325.232	0.0	4.417	0.0	6.000	0.0	25.000
12075.000	1000.000	330.939	5.707	6.457	0.0	6.000	0.0	25.000
12075.000	1350.000	329.150	-1.789	2.535	0.0	6.000	0.0	25.000
12075.000	2600.000	333.784	4.634	0.321	0.0	314.243	-308.243	25.000
12075.000	1350.000	50130.500	49796.710	4.410	0.0	6.002	-0.002	25.000
12275.000	220.000	326.312	0.0	1.080	0.0	372.777	0.0	200.000
12275.000	470.000	332.810	6.499	1.871	0.0	526.492	-153.716	200.000
12275.000	650.000	333.473	0.663	4.323	0.0	535.551	-162.775	200.000
12275.000	1360.000	334.264	0.791	0.480	0.0	546.574	-173.598	200.000
12275.000	650.000	50130.500	49796.230	0.0	0.0	140.979	231.798	200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	28.054	0.0
2	0.0	0.0	37.037	8.983
3	0.0	0.0	39.717	11.664
4	0.0	0.0	63.774	35.720
5	4.000	0.335	8.464	-19.589

HEL2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58

EU

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57