
 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. GARDNER 9. BASIN 15
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.007000	0.0	0.0	0.	254.000	0.0
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	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	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	475.000	870.000	1075.000	2000.000	1075.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1250.000	1350.000	0.0	0.0
X1	300.000	20.000	1282.000	1317.000	300.000	300.000	300.000	0.0	0.0	0.0
GR	270.600	1000.000	268.000	1050.000	265.500	1100.000	263.600	1150.000	259.300	1200.000
GR	256.100	1250.000	256.600	1282.000	254.000	1286.000	251.500	1291.000	251.000	1291.000
GR	250.900	1295.000	250.600	1300.000	251.000	1306.000	251.500	1306.000	255.900	1317.000
GR	255.900	1350.000	257.200	1383.000	259.000	1400.000	266.700	1450.000	273.600	1500.000
QT	5.000	390.000	775.000	980.000	1800.000	980.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1203.000	1253.000	0.0	0.0
X1	2050.000	14.000	1230.000	1253.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	282.000	1000.000	277.400	1100.000	272.000	1159.000	269.800	1166.000	273.100	1172.000
GR	273.200	1200.000	269.600	1230.000	266.200	1239.000	265.100	1243.000	266.200	1247.000
GR	271.900	1253.000	271.900	1300.000	273.900	1342.000	286.700	1400.000	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	2100.000	23.000	1258.700	1274.300	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	272.300	272.300	0.0
GR	281.600	1000.000	275.900	1100.000	273.200	1200.000	273.800	1224.000	270.200	1254.000
GR	269.000	1258.700	266.400	1260.000	265.700	1262.000	266.400	1264.000	269.000	1265.300
GR	269.000	1267.700	267.800	1268.000	265.900	1270.000	265.700	1271.000	265.900	1272.000
GR	267.800	1274.000	269.000	1274.300	272.500	1277.000	272.500	1324.000	274.500	1366.000
GR	280.300	1392.000	280.800	1400.000	283.900	1450.000	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	15.600	0.001	66.400	0.0	0.0	0.0
X1	2160.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	272.300	273.200	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	274.800	274.800	0.0
BT	18.000	1000.000	281.600	0.0	1100.000	275.900	0.0	1200.000	273.200	0.0
BT	1258.700	274.800	269.000	1260.000	274.800	271.600	1262.000	274.800	272.300	1264.000
BT	274.800	271.600	1265.300	274.800	269.000	1267.700	274.800	269.000	1268.000	274.800
BT	270.200	1270.000	274.800	272.100	1271.000	274.800	272.300	1272.000	274.800	272.100
BT	1274.000	274.800	270.200	1274.300	274.800	269.000	1300.000	276.300	0.0	1400.000
BT	280.800	0.0	1450.000	283.900	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1203.000	1253.000	0.0	0.0

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
300.00	300.00	0.0	0.0	250.60	475.00	255.59	56.59	255.89	32.67	0.0	0.0	4.38
2050.00	1750.00	0.0	0.0	265.10	390.00	270.48	36.86	270.93	32.17	0.0	0.0	5.40
2100.00	50.00	0.0	0.0	265.70	390.00	271.07	29.21	271.67	15.60	0.0	0.0	6.21
2160.00	60.00	273.20	272.30	265.70	390.00	271.07	29.20	271.67	15.60	0.0	0.0	6.21
2260.00	100.00	0.0	0.0	267.70	390.00	272.76	31.51	273.32	27.71	0.0	0.0	6.00
2360.00	100.00	0.0	0.0	269.60	390.00	274.57	24.31	275.34	15.00	0.0	0.0	7.05
2400.00	40.00	273.30	272.60	269.60	390.00	274.57	24.45	275.34	15.00	0.0	0.0	7.03
2450.00	50.00	0.0	0.0	269.80	390.00	275.67	46.56	275.99	39.24	0.0	0.0	4.60

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
300.000	475.000	255.590	0.0	0.0	0.0	32.671	0.0	300.000
2050.000	390.000	270.477	0.0	14.887	0.0	32.167	0.0	1750.000
2100.000	390.000	271.068	0.0	0.592	0.0	15.600	0.0	50.000
2160.000	390.000	271.068	0.0	0.0	0.0	15.600	0.0	60.000
2260.000	390.000	272.765	0.0	1.696	0.0	27.713	0.0	100.000
2360.000	390.000	274.566	0.0	1.801	0.0	15.000	0.0	100.000
2400.000	390.000	274.572	0.0	0.006	0.0	15.000	0.0	40.000
2450.000	390.000	275.667	0.0	1.095	0.0	39.239	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	0.0	1.495	0.0

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T1 TRIB. GARDNER 9 BASIN 15
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.007000	0.0	0.0	0.	256.000	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	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	

300.00	6.27	256.87	0.0	256.00	257.26	0.39	0.0	0.0	256.60	
870.	20.	794.	57.	21.	153.	44.	0.	0.	255.90	
0.0	0.91	5.20	1.29	0.085	0.060	0.085	0.0	250.60	1237.90	
0.006964	300.	300.	300.	0	0	5	0.0	136.82	1374.73	

3265 DIVIDED FLOW

2050.00	6.86	271.96	0.0	0.0	272.61	0.64	15.27	0.08	269.60	
775.	71.	703.	1.	35.	105.	3.	7.	5.	271.90	
0.08	2.03	6.72	0.30	0.085	0.060	0.085	0.060	265.10	1159.12	
0.011637	1750.	1750.	1750.	4	0	1	0.0	101.86	1301.34	

2100.00	6.85	272.55	272.42	0.0	273.31	0.76	0.67	0.03	269.00	
775.	116.	647.	12.	37.	86.	7.	7.	5.	269.00	
0.08	3.15	7.53	1.65	0.085	0.060	0.085	0.060	265.70	1234.41	
0.015463	50.	50.	50.	4	7	1	0.0	90.64	1325.05	

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	15.60	0.00	66.40	0.0	265.70	265.70

PRESSURE AND WEIR FLOW

 HEC2 VERSION UPDATED JAN 1975
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T1 TRIB. GARDNER 9 BASIN 15
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.007000	0.0	0.0	0.	257.000	0.0
J2	NPROF	IPLT	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	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	ENDST

300.00	6.66	257.26	0.0	257.00	257.67	0.41	0.0	0.0	256.60
1075.	51.	916.	108.	40.	166.	68.	0.	0.	255.90
0.0	1.28	5.52	1.58	0.085	0.060	0.085	0.0	250.60	1231.86
0.006997	300.	300.	300.	0	0	5	0.0	151.71	1383.57

3265 DIVIDED FLOW

2050.00	7.33	272.43	0.0	0.0	273.12	0.69	15.37	0.08	269.60
980.	119.	828.	33.	51.	115.	28.	9.	5.	271.90
0.08	2.31	7.18	1.19	0.085	0.060	0.085	0.060	265.10	1154.30
0.011651	1750.	1750.	1750.	4	0	1	0.0	121.22	1311.15

2100.00	7.32	274.02	272.37	0.0	273.84	0.82	0.68	0.04	269.00
980.	171.	755.	54.	49.	93.	33.	10.	6.	269.00
0.08	3.47	8.10	1.63	0.085	0.060	0.085	0.060	265.70	1230.51
0.016040	50.	50.	50.	4	11	1	0.0	104.39	1334.90

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	15.60	0.00	66.40	0.0	265.70	265.70

3301 HV CHANGED MORE THAN HVINS

1 *****
 2 HEC2 VERSION UPDATED JAN 1975
 3 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 4 MODIFICATIONS 52,53,54,55,56,57,58
 5 *****
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10 T1 TRIB. GARDNER 9 BASIN 15
 11 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 12 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.007000	0.0	0.0	0.	259.000	0.0
J2	NPROF	IPLT	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

23 CCHV= 0.100 CEHV= 0.300
 24 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS BANK ELEV
 25 Q QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 26 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 27 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

30	300.00	7.92	258.52	0.0	259.00	258.98	0.47	0.0	0.0	256.60
31	2000.	246.	1356.	398.	115.	210.	159.	0.	0.	255.90
32	0.0	2.14	6.45	2.50	0.085	0.060	0.085	0.0	250.60	1212.22
33	0.007003	300.	300.	300.	0	0	5	0.0	183.22	1395.44
36	2050.00	8.52	273.62	0.0	0.0	274.34	0.72	15.28	0.08	269.60
37	1800.	355.	1174.	271.	126.	143.	112.	17.	8.	271.90
38	0.08	2.81	8.23	2.42	0.085	0.060	0.085	0.060	265.10	1141.30
39	0.011530	1750.	1750.	1750.	3	0	1	0.0	194.82	1336.12
42	2100.00	8.56	274.25	0.0	0.0	275.01	0.75	0.66	0.01	269.00
43	1800.	440.	1002.	357.	129.	113.	125.	18.	8.	269.00
44	0.08	3.41	8.90	2.86	0.085	0.060	0.085	0.060	265.70	1160.64
45	0.015055	50.	50.	50.	2	0	1	0.0	200.37	1361.01

50 SPECIAL BRIDGE
 51 5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 52 SB XK XKOR COFQ RDLN BWC RWP BAREA SS ELCHU ELCHD
 53 1.25 1.50 2.50 0.0 15.60 0.00 66.40 0.0 265.70 265.70

54 3391 HV CHANGED MORE THAN HVINS
 55 PRESSURE AND WEIR FLOW
 56
 57

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	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	300.00	300.00	0.0	0.0	250.60	475.00	255.59	56.59	255.89	32.67	0.0	0.0	4.38
A	300.00	300.00	0.0	0.0	250.60	870.00	256.87	104.25	257.26	136.82	0.0	0.0	5.20
A	300.00	300.00	0.0	0.0	250.60	1075.00	257.26	128.52	257.67	151.71	0.0	0.0	5.52
A	300.00	300.00	0.0	0.0	250.60	2000.00	258.52	238.99	258.98	183.22	0.0	0.0	6.45
B	2050.00	1750.00	0.0	0.0	265.10	390.00	270.48	36.86	270.93	32.17	0.0	0.0	5.40
B	2050.00	1750.00	0.0	0.0	265.10	775.00	271.96	71.84	272.61	101.86	0.0	0.0	6.72
B	2050.00	1750.00	0.0	0.0	265.10	980.00	272.43	90.79	273.12	121.22	0.0	0.0	7.18
B	2050.00	1750.00	0.0	0.0	265.10	1800.00	273.62	167.63	274.34	194.82	0.0	0.0	8.23
	2100.00	50.00	0.0	0.0	265.70	390.00	271.07	29.21	271.67	15.60	0.0	0.0	6.21
	2100.00	50.00	0.0	0.0	265.70	775.00	272.55	62.32	273.31	90.64	0.0	0.0	7.53
	2100.00	50.00	0.0	0.0	265.70	980.00	273.02	77.38	273.84	104.39	0.0	0.0	8.10
	2100.00	50.00	0.0	0.0	265.70	1800.00	274.25	146.70	275.01	200.37	0.0	0.0	8.90
	2160.00	60.00	273.20	272.30	265.70	390.00	271.07	29.20	271.67	15.60	0.0	0.0	6.21
	2160.00	60.00	273.20	272.30	265.70	775.00	273.74	63.69	274.59	15.60	0.0	0.0	7.42
	2160.00	60.00	273.20	272.30	265.70	980.00	275.02	218.65	275.12	235.88	0.0	0.0	3.47
	2160.00	60.00	273.20	272.30	265.70	1800.00	276.16	370.67	276.28	277.99	0.0	0.0	4.11
C	2260.00	100.00	0.0	0.0	267.70	390.00	272.76	31.51	273.32	27.71	0.0	0.0	6.00
C	2260.00	100.00	0.0	0.0	267.70	775.00	275.18	98.22	275.56	127.65	0.0	0.0	5.36
C	2260.00	100.00	0.0	0.0	267.70	980.00	275.01	89.93	275.70	120.45	0.0	0.0	7.23
C	2260.00	100.00	0.0	0.0	267.70	1800.00	276.16	163.72	276.92	193.36	0.0	0.0	8.39
	2360.00	100.00	0.0	0.0	269.60	390.00	274.57	24.31	275.34	15.00	0.0	0.0	7.05
	2360.00	100.00	0.0	0.0	269.60	775.00	275.95	132.25	276.04	184.64	0.0	0.0	3.37
	2360.00	100.00	0.0	0.0	269.60	980.00	276.28	161.11	276.37	184.89	0.0	0.0	3.64
	2360.00	100.00	0.0	0.0	269.60	1800.00	277.46	302.88	277.58	254.15	0.0	0.0	4.06
	2400.00	40.00	273.30	272.60	269.60	390.00	274.57	24.45	275.34	15.00	0.0	0.0	7.03
	2400.00	40.00	273.30	272.60	269.60	775.00	275.28	32.07	277.42	15.00	0.0	0.0	11.73
	2400.00	40.00	273.30	272.60	269.60	980.00	277.02	244.40	277.07	245.00	0.0	0.0	2.62
	2400.00	40.00	273.30	272.60	269.60	1800.00	277.71	339.88	277.81	259.45	0.0	0.0	3.71
D	2450.00	50.00	0.0	0.0	269.80	390.00	275.67	46.56	275.99	39.24	0.0	0.0	4.60
D	2450.00	50.00	0.0	0.0	269.80	775.00	277.85	130.81	278.06	165.95	0.0	0.0	4.31
D	2450.00	50.00	0.0	0.0	269.80	980.00	276.39	64.07	277.63	49.71	0.0	0.0	9.23
D	2450.00	50.00	0.0	0.0	269.80	1800.00	278.03	144.07	279.01	185.57	0.0	0.0	9.28
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
300.000	475.000	255.590	0.0	0.0	0.0	32.671	0.0	300.000					
300.000	870.000	256.874	1.284	0.0	0.0	136.823	-104.152	300.000					
300.000	1075.000	257.260	0.386	0.0	0.0	151.711	-119.041	300.000					
300.000	2000.000	258.517	1.257	0.0	0.0	183.219	-150.548	300.000					
2050.000	390.000	270.477	0.0	14.887	0.0	32.167	0.0	1750.000					
2050.000	775.000	271.964	1.488	15.091	0.0	101.864	-69.698	1750.000					
2050.000	980.000	272.430	0.466	15.170	0.0	121.222	-89.055	1750.000					
2050.000	1800.000	273.620	1.190	15.103	0.0	194.817	-162.651	1750.000					

	2100.000	390.000	271.068	0.0	0.592	0.0	15.600	0.0	50.000
	2100.000	775.000	272.551	1.482	0.586	0.0	90.640	-75.040	50.000
	2100.000	980.000	273.017	0.466	0.587	0.0	104.391	-88.791	50.000
	2100.000	1800.000	274.255	1.238	0.635	0.0	200.371	-184.771	50.000
	2160.000	390.000	271.068	0.0	0.0	0.0	15.600	0.0	60.000
1	2160.000	775.000	273.736	2.667	1.185	0.0	15.600	0.0	60.000
2	2160.000	580.000	275.023	1.287	2.006	0.0	235.878	-220.279	60.000
3	2160.000	1800.000	276.159	1.136	1.904	0.0	277.991	-262.392	60.000
4									
5	2260.000	390.000	272.765	0.0	1.696	0.0	27.713	0.0	100.000
6	2260.000	775.000	275.183	2.418	1.447	0.0	127.649	-99.936	100.000
7	2260.000	980.000	275.005	-0.178	-0.017	0.0	120.446	-92.733	100.000
8	2260.000	1800.000	276.164	1.159	0.005	0.0	193.358	-165.645	100.000
9									
10	2360.000	390.000	274.566	0.0	1.801	0.0	15.000	0.0	100.000
11	2360.000	775.000	275.951	1.385	0.768	0.0	184.644	-169.644	100.000
12	2360.000	980.000	276.275	0.324	1.270	0.0	184.894	-169.894	100.000
13	2360.000	1800.000	277.462	1.187	1.298	0.0	254.155	-239.155	100.000
14									
15	2400.000	390.000	274.572	0.0	0.006	0.0	15.000	0.0	40.000
16	2400.000	775.000	275.284	0.713	-0.666	0.0	15.000	0.0	40.000
17	2400.000	980.000	277.019	1.734	0.743	0.0	244.997	-229.997	40.000
18	2400.000	1800.000	277.706	0.688	0.245	0.0	259.445	-244.445	40.000
19									
20	2450.000	390.000	275.667	0.0	1.095	0.0	39.239	0.0	50.000
21	2450.000	775.000	277.847	2.180	2.562	0.0	163.955	-124.716	50.000
22	2450.000	980.000	276.393	-1.454	-0.626	0.0	49.714	-10.475	50.000
23	2450.000	1800.000	278.030	1.637	0.323	0.0	185.572	-146.334	50.000
24									

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
25					
26					
27					
28					
29	1	0.0	0.0	1.495	0.0
30	2	0.0	0.0	5.695	4.201
31	3	0.0	0.0	6.972	5.477
32	4	0.0	0.0	9.696	8.201
33					
34					
35					
36					
37					
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56					
57					

1	*****											1
2	HEC2 VERSION UPDATED JAN 1975											2
3	ERROR CORRECTIONS 01,02,03,04,05,06,07,08											3
4	MODIFICATIONS 52,53,54,55,56,57,58											4
5	*****											5
6												6
7												7
8												8
9												9
10												10
11	T1	TRIB. GARDNER 9 BASIN 15										11
12	T2	FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855										12
13	T3	100 YEAR FLOOD WATER SURFACE PROFILE										13
14	J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO	14
15												15
16		0.	4.	0.	0.	0.007000	0.0	0.0	0.	257.000	0.0	16
17												17
18	J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE	18
19												19
20		0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21												21
22	J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0	22
23	NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0	23
24	QT	5.000	475.000	870.000	1075.000	2000.000	1075.000	0.0	0.0	0.0	0.0	24
25	ET	5.000	0.0	0.0	0.0	0.0	7.100	1259.000	1350.000	0.0	0.0	25
26												26
27	X1	300.000	20.000	1282.000	1317.000	300.000	300.000	300.000	0.0	0.0	0.0	27
28	GR	270.600	1000.000	268.000	1050.000	265.500	1100.000	263.600	1150.000	259.300	1200.000	28
29	GR	256.100	1250.000	256.600	1282.000	254.000	1286.000	251.500	1291.000	251.000	1291.000	29
30	GR	250.900	1295.000	250.600	1300.000	251.000	1306.000	251.500	1306.000	255.900	1317.000	30
31	GR	255.900	1350.000	257.200	1383.000	259.000	1400.000	266.700	1450.000	273.600	1500.000	31
32	QT	5.000	390.000	775.000	980.000	1800.000	980.000	0.0	0.0	0.0	0.0	32
33	ET	5.000	0.0	0.0	0.0	0.0	7.100	1203.000	1253.000	0.0	0.0	33
34												34
35	X1	2050.000	14.000	1230.000	1253.000	1750.000	1750.000	1750.000	0.0	0.0	0.0	35
36	GR	282.000	1000.000	277.400	1100.000	272.000	1159.000	269.800	1166.000	273.100	1172.000	36
37	GR	273.200	1200.000	269.600	1230.000	266.200	1239.000	265.100	1243.000	266.200	1247.000	37
38	GR	271.900	1253.000	271.900	1300.000	273.900	1342.000	286.700	1400.000	0.0	0.0	38
39	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	39
40												40
41	X1	2100.000	23.000	1258.700	1274.300	50.000	50.000	50.000	0.0	0.0	0.0	41
42	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	272.300	272.300	0.0	42
43	GR	281.600	1000.000	275.900	1100.000	273.200	1200.000	273.800	1224.000	270.200	1254.000	43
44	GR	269.000	1258.700	266.400	1260.000	265.700	1262.000	266.400	1264.000	269.000	1265.300	44
45	GR	269.000	1267.700	267.800	1268.000	265.900	1270.000	265.700	1271.000	265.900	1272.000	45
46	GR	267.800	1274.000	269.000	1274.300	272.500	1277.000	272.500	1324.000	274.500	1366.000	46
47	GR	280.300	1392.000	280.800	1400.000	283.900	1450.000	0.0	0.0	0.0	0.0	47
48	SB	1.250	1.500	2.500	0.0	15.600	0.001	66.400	0.0	0.0	0.0	48
49												49
50	X1	2160.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0	50
51	X2	0.0	0.0	1.000	272.300	273.200	0.0	0.0	0.0	0.0	0.0	51
52	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	274.800	274.800	0.0	52
53	BT	18.000	1000.000	281.600	0.0	1100.000	275.900	0.0	1200.000	273.200	0.0	53
54	BT	1258.700	274.800	269.000	1260.000	274.800	271.600	1262.000	274.800	272.300	1264.000	54
55	BT	274.800	271.600	1265.300	274.800	269.000	1267.700	274.800	269.000	1268.000	274.800	55
56	BT	270.200	1270.000	274.800	272.100	1271.000	274.800	272.300	1272.000	274.800	272.100	56
57	BT	1274.000	274.800	270.200	1274.300	274.800	269.000	1300.000	276.300	0.0	1400.000	57
58	BT	280.800	0.0	1450.000	283.900	0.0	0.0	0.0	0.0	0.0	0.0	58
59	ET	5.000	0.0	0.0	0.0	0.0	7.100	1203.000	1253.000	0.0	0.0	59

 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. GARDNER 9 BASIN 15
 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	FG
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	258.260	0.0
J2	NPROF	IPL0T	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 CERV= 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

3470 ENCROACHMENT STATIONS=	1250.0	1350.0	TYPE=	1	TARGET=	100.000
300.00	7.66	258.26	0.0	258.26	258.49	0.23
1075.	92.	847.	136.	61.	201.	78.
0.0	1.51	4.21	1.74	0.085	0.060	0.085
0.003160	300.	300.	300.	0	0	1
						0.0
						100.00
						1350.00

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

3470 ENCROACHMENT STATIONS=	1203.0	1253.0	TYPE=	1	TARGET=	50.000
2050.00	6.23	271.33	271.33	0.0	272.98	1.65
980.	36.	944.	0.	12.	90.	0.
0.05	2.87	10.47	0.0	0.085	0.060	0.085
0.032952	1750.	1750.	1750.	17	15	1
						0.0
						36.82
						1252.40

2800 NAT Q1= 77.38 WSEL= 273.02 ENC Q1= 77.38 WSEL= 274.02 RATIO= 0.0
 NAT Q1= 128. RATIOS LOB,CH,ROB= 0.2254 0.6002 0.1744 WSEL= 274.02

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
300.00	300.00	0.0	0.0	250.60	1075.00	257.26	128.52	257.67	151.71	0.0	0.0	5.52
300.00	300.00	0.0	0.0	250.60	1075.00	258.26	191.22	258.49	100.00	1250.00	1350.00	4.21
2050.00	1750.00	0.0	0.0	265.10	980.00	272.43	90.79	273.12	121.22	0.0	0.0	7.18
2050.00	1750.00	0.0	0.0	265.10	980.00	271.33	53.99	272.98	36.82	1203.00	1253.00	10.47
2100.00	50.00	0.0	0.0	265.70	980.00	273.02	77.38	273.84	104.39	0.0	0.0	8.10
2100.00	50.00	0.0	0.0	265.70	980.00	272.78	55.97	274.62	15.81	1258.62	1274.44	10.89
2160.00	60.00	0.0	0.0	265.70	980.00	275.02	218.65	275.12	235.88	0.0	0.0	3.47
2160.00	60.00	0.0	0.0	265.70	980.00	274.79	79.24	275.81	15.60	1233.49	1306.15	8.11
2260.00	100.00	0.0	0.0	267.70	980.00	275.01	89.93	275.70	120.45	0.0	0.0	7.23
2260.00	100.00	0.0	0.0	267.70	980.00	276.33	129.42	276.75	50.00	1203.00	1253.00	5.62
2360.00	100.00	0.0	0.0	269.60	980.00	276.28	161.11	276.37	184.89	0.0	0.0	3.64
2360.00	100.00	0.0	0.0	269.60	980.00	277.11	146.20	277.28	125.87	74.87	200.75	4.42
2400.00	40.00	0.0	0.0	269.60	980.00	277.02	244.40	277.07	245.00	0.0	0.0	2.62
2400.00	40.00	0.0	0.0	269.60	980.00	277.85	225.24	277.93	146.52	65.73	212.25	3.09
2450.00	50.00	0.0	0.0	269.80	980.00	276.39	64.07	277.63	49.71	0.0	0.0	9.23
2450.00	50.00	0.0	0.0	269.80	980.00	277.42	76.09	278.42	23.00	1230.00	1253.00	8.04

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
A	300,000	257.260	0.0	0.0	0.0	151.711	0.0	300,000
	300,000	258.260	1.000	0.0	0.0	99,999	51.712	300,000
B	2050,000	272.430	0.0	15.170	0.0	121.222	0.0	1750,000
	2050,000	271.330	-1.100	13.070	0.0	36,820	84.402	1750,000
	2100,000	273.017	0.0	0.587	0.0	104,391	0.0	50,000
	2100,000	272.794	-0.233	1.454	0.0	15,813	88.578	50,000
	2160,000	275.023	0.0	2.006	0.0	235,378	0.0	60,000
	2160,000	274.790	-0.233	2.006	0.0	15,600	220.279	60,000
C	2260,000	275.005	0.0	-0.017	0.0	120,446	0.0	100,000
	2260,000	276.330	1.324	1.540	0.0	49,999	70.447	100,000
	2360,000	276.275	0.0	1.270	0.0	184,894	0.0	100,000
	2360,000	277.110	0.835	0.781	0.0	125,874	59.020	100,000
	2400,000	277.019	0.0	0.743	0.0	244,997	0.0	40,000
	2400,000	277.854	0.835	0.743	0.0	146,525	98.472	40,000
D	2450,000	276.393	0.0	-0.626	0.0	49,714	0.0	50,000
	2450,000	277.415	1.022	-0.438	0.0	23,001	26.713	50,000

DATA FOR LAST CROSS SECTION
 PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH
 GR 272.100 1000.000 268.700 1001.000