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

T1 IRIR 13 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.002000	0.0	0.0	0.	248.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	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
WT	5.000	1550.000	3000.000	3900.000	7100.000	3900.000	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	7250.000	28.000	1515.000	1547.000	7250.000	7250.000	7250.000	0.0	-0.200	0.0
GR	262.300	0.0	259.100	100.000	257.100	200.000	254.200	300.000	253.000	400.000
GR	252.500	500.000	252.400	600.000	251.500	700.000	249.500	800.000	252.200	900.000
GR	251.600	1000.000	252.100	1100.000	251.300	1200.000	251.500	1300.000	250.800	1400.000
GR	250.000	1500.000	249.500	1515.000	247.800	1519.000	244.800	1521.000	243.500	1530.000
GR	244.800	1539.000	245.700	1542.000	249.300	1547.000	250.700	1600.000	257.400	1700.000
GR	254.400	1800.000	263.300	1900.000	265.600	1968.000	0.0	0.0	0.0	0.0
X1	7300.000	24.000	1048.000	1162.000	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	0.0	0.0	0.0
GR	259.600	0.0	259.300	100.000	259.000	200.000	259.100	300.000	259.400	400.000
GR	259.800	500.000	260.100	600.000	260.700	700.000	261.000	800.000	261.700	900.000
GR	262.300	1000.000	258.200	1000.000	249.200	1023.000	249.200	1048.000	244.600	1060.000
GR	243.500	1080.000	244.700	1100.000	246.500	1135.000	251.300	1162.000	259.600	1175.000
GR	263.600	1175.000	263.900	1200.000	265.000	1300.000	266.000	1400.000	0.0	0.0
SB	0.900	1.500	2.600	0.0	175.000	16.000	2133.200	0.0	0.0	0.0
X1	7310.000	0.0	0.0	0.0	10.000	10.000	10.000	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	8.000	900.000	261.700	0.0	1000.000	262.300	0.0	1001.000	262.300	259.500
BT	1048.000	262.700	259.700	1100.000	263.000	259.900	1175.000	263.600	261.200	1176.000
BT	263.600	0.0	1200.000	263.900	0.0	0.0	0.0	0.0	0.0	0.0
X1	7360.000	29.000	1515.000	1547.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	262.300	0.0	259.600	100.000	259.000	200.000	257.300	300.000	254.200	400.000
GR	252.500	500.000	252.400	600.000	251.500	700.000	249.500	800.000	252.200	900.000
GR	251.600	1000.000	252.100	1100.000	251.500	1200.000	251.500	1300.000	250.800	1400.000
GR	250.000	1500.000	249.500	1515.000	247.800	1519.000	244.800	1521.000	243.500	1530.000
GR	244.800	1539.000	245.700	1542.000	249.300	1547.000	251.300	1600.000	250.700	1700.000
GR	257.400	1800.000	254.400	1900.000	263.300	2000.000	265.600	2068.000	0.0	0.0
X1	9250.000	15.000	330.000	353.000	1890.000	1890.000	1890.000	0.0	-1.200	0.0
GR	269.900	0.0	264.000	100.000	261.700	190.000	255.200	206.000	260.300	222.000

GR	255.500	300.000	254.100	350.000	252.100	353.000	250.500	358.000	249.100	342.000
GR	250.800	348.000	252.100	351.000	253.700	353.000	254.300	364.000	270.200	400.000
X1	9300.000	19.000	358.000	395.000	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	0.0	0.0	0.0
GR	285.500	0.0	284.900	100.000	284.700	200.000	281.300	200.000	280.900	205.000
GR	258.500	245.000	260.500	259.000	255.200	358.000	251.500	367.000	249.800	374.000
GR	251.500	382.000	255.300	395.000	256.700	415.000	281.000	450.000	281.000	456.000
GR	284.700	456.000	284.500	500.000	285.100	600.000	286.400	700.000	0.0	0.0
SB	1.250	1.500	2.600	0.0	256.000	4.000	5105.500	0.0	0.0	0.0
X1	9330.000	0.0	0.0	0.0	30.000	30.000	30.000	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	6.000	100.000	284.900	0.0	200.000	287.500	284.700	201.000	287.500	281.500
BT	456.000	287.500	281.500	456.000	287.500	284.700	500.000	284.500	0.0	0.0
X1	9380.000	15.000	330.000	353.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	269.900	0.0	264.000	100.000	261.700	190.000	255.200	206.000	260.300	222.000
GR	255.500	300.000	254.100	330.000	252.100	333.000	250.500	336.000	249.100	342.000
GR	250.800	348.000	252.100	351.000	253.700	353.000	254.300	364.000	270.200	400.000
WT	5.000	500.000	1550.000	2380.000	4900.000	2380.000	0.0	0.0	0.0	0.0
X1	18900.000	13.000	120.000	137.000	9520.000	9520.000	9520.000	0.0	0.0	0.0
GR	295.700	0.0	282.100	100.000	280.900	108.000	277.500	120.000	276.500	123.000
GR	275.200	129.000	276.500	135.000	277.500	137.000	289.100	200.000	288.700	300.000
GR	284.100	400.000	290.500	500.000	294.600	550.000	0.0	0.0	0.0	0.0
X1	18950.000	18.000	166.000	200.000	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	0.0	0.0	0.0
GR	298.300	0.0	295.600	100.000	293.700	126.000	287.500	126.000	278.700	158.000
GR	278.900	166.000	277.800	174.000	277.200	181.000	278.100	191.000	279.500	200.000
GR	280.600	207.000	291.500	216.000	295.200	216.000	292.200	300.000	292.300	400.000
GR	295.600	500.000	297.300	600.000	298.300	624.000	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.600	0.0	90.000	2.000	1077.100	0.0	0.0	0.0
X1	18980.000	0.0	0.0	0.0	30.000	30.000	30.000	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	8.000	100.000	295.600	0.0	126.000	295.900	293.700	127.000	295.900	292.100
BT	158.000	296.500	292.700	200.000	297.200	293.400	216.000	297.500	293.600	217.000
BT	297.500	295.200	300.000	292.200	0.0	0.0	0.0	0.0	0.0	0.0
X1	19030.000	20.000	1515.000	1800.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	320.000	900.000	310.100	1000.000	298.500	1100.000	296.000	1200.000	296.400	1300.000
GR	295.600	1400.000	295.200	1500.000	295.100	1515.000	293.300	1516.000	293.600	1550.000
GR	295.800	1590.000	294.700	1591.000	293.100	1600.000	294.600	1630.000	294.400	1650.000
GR	295.000	1600.000	300.700	2000.000	304.900	2050.000	310.100	2100.000	320.000	2200.000
X1	19040.000	13.000	120.000	137.000	50.000	50.000	50.000	0.0	5.000	0.0
GR	295.700	0.0	282.100	100.000	280.900	108.000	277.500	120.000	276.500	123.000
GR	275.200	129.000	276.500	135.000	277.500	137.000	289.100	200.000	288.700	300.000
GR	284.100	400.000	290.500	500.000	294.600	550.000	0.0	0.0	0.0	0.0
X1	29230.000	21.000	1663.000	1679.000	10150.000	10150.000	10150.000	0.0	0.0	0.0
GR	356.400	1000.000	351.100	1050.000	347.000	1100.000	344.800	1150.000	344.400	1200.000
GR	343.800	1250.000	343.700	1300.000	343.600	1350.000	344.200	1400.000	343.400	1450.000
GR	342.800	1500.000	341.900	1550.000	342.500	1600.000	342.400	1650.000	342.500	1663.000
GR	339.300	1666.000	338.300	1670.000	339.100	1674.000	342.600	1679.000	343.100	1700.000
GR	357.400	1732.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	36230.000	20.000	1172.000	1238.000	6970.000	6970.000	6970.000	0.0	0.0	0.0
GR	419.700	1000.000	417.100	1050.000	416.200	1066.000	411.300	1100.000	409.400	1118.000
GR	410.600	1150.000	410.900	1165.000	407.600	1172.000	405.400	1200.000	404.400	1227.000
GR	400.900	1228.000	399.800	1231.000	400.600	1234.000	405.300	1238.000	405.200	1250.000
GR	404.200	1281.000	404.200	1300.000	410.800	1350.000	416.600	1400.000	419.600	1435.000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

10 YEAR FLOOD WATER SURF

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORO	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
7250.00	7250.00	0.0	0.0	243.30	1550.00	251.84	343.88	251.95	931.01	0.0	0.0	3.66
7300.00	50.00	0.0	0.0	243.50	1550.00	251.94	574.75	252.02	147.03	0.0	0.0	2.18
7310.00	10.00	261.70	261.20	243.50	1550.00	251.95	575.29	252.02	147.04	0.0	0.0	2.18
7360.00	50.00	0.0	0.0	243.50	1550.00	251.98	335.66	252.09	987.66	0.0	0.0	3.73
9250.00	1890.00	0.0	0.0	247.90	1550.00	257.20	245.83	257.53	138.24	0.0	0.0	5.60
9300.00	50.00	0.0	0.0	249.80	1550.00	257.07	128.58	258.07	82.44	0.0	0.0	8.25
9330.00	30.00	284.50	284.70	249.80	1550.00	257.15	132.49	258.11	84.26	0.0	0.0	8.09
9380.00	50.00	0.0	0.0	249.10	1550.00	258.16	226.31	258.54	132.61	0.0	0.0	5.95
18900.00	9520.00	0.0	0.0	275.20	500.00	283.45	174.09	283.52	79.26	0.0	0.0	2.60
18950.00	50.00	0.0	0.0	277.20	500.00	283.51	181.78	283.57	68.89	0.0	0.0	2.09
18980.00	30.00	292.20	295.20	277.20	500.00	283.51	181.91	283.57	68.90	0.0	0.0	2.09
19030.00	50.00	0.0	0.0	293.10	500.00	294.60	19.75	294.91	183.92	0.0	0.0	4.48
19080.00	50.00	0.0	0.0	280.20	500.00	294.94	1090.53	294.95	448.95	0.0	0.0	0.64
29230.00	10150.00	0.0	0.0	338.50	500.00	342.95	39.33	343.53	206.83	0.0	0.0	6.09
36200.00	6970.00	0.0	0.0	399.80	500.00	406.35	65.79	406.43	128.31	0.0	0.0	2.77

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
7250.000	1550.000	251.845	0.0	0.0	0.0	931.005	0.0	7250.000
7300.000	1550.000	251.945	0.0	0.100	0.0	147.031	0.0	50.000
7310.000	1550.000	251.949	0.0	0.005	0.0	147.044	0.0	10.000
7360.000	1550.000	251.977	0.0	0.027	0.0	987.657	0.0	50.000
9250.000	1550.000	257.197	0.0	5.221	0.0	138.244	0.0	1890.000
9300.000	1550.000	257.068	0.0	-0.129	0.0	82.442	0.0	50.000
9330.000	1550.000	257.148	0.0	0.080	0.0	84.263	0.0	30.000
9380.000	1550.000	258.158	0.0	1.011	0.0	132.611	0.0	50.000
18900.000	500.000	283.451	0.0	25.293	0.0	79.261	0.0	9520.000
18950.000	500.000	283.509	0.0	0.058	0.0	68.891	0.0	50.000

18980.000	500.000	283.511	0.0	0.002	0.0	68.701	0.0	50.000
19030.000	500.000	290.599	0.0	11.088	0.0	183.915	0.0	50.000
19080.000	500.000	294.943	0.0	0.344	0.0	448.949	0.0	50.000
29230.000	500.000	342.954	0.0	48.012	0.0	206.826	0.0	10150.000
36200.000	500.000	406.345	0.0	63.391	0.0	128.306	0.0	6970.000

DATA FOR LAST CROSS SECTION
PROFILE TYPE ENC

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	153.045	0.0

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T1 IRIB 13 BASIN 20
 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	FR
	-10.	3.	0.	0.	0.002000	0.0	0.0	0.	250.000	0.0
J2	NPROF	IPLT	PRFS	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	GLOSS	BANK ELEV
Q	QLOB	CCH	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
1250.00	9.42	252.72	0.0	250.00	252.81	0.09	0.0	0.0	249.30
3000.	1784.	939.	277.	1570.	256.	192.	0.	0.	249.10
0.0	1.14	3.94	1.45	0.085	0.060	0.085	0.0	243.30	416.09
0.001994	7250.	7250.	7250.	0	0	6	0.0	1217.04	1633.13

1300.00	9.24	252.74	0.0	0.0	252.94	0.20	0.09	0.05	249.20
3000.	167.	2832.	1.	104.	770.	2.	2.	1.	251.30
0.00	1.60	3.68	0.52	0.085	0.060	0.055	0.059	243.50	1013.96
0.001757	50.	50.	50.	2	0	1	0.0	150.29	1164.25

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XCOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
0.90		1.50	2.60	0.0	175.00	16.00	2133.20	0.0	243.50	243.50

CLASS A LOW FLOW

BRIDGE W.S.= 252.73 BRIDGE VELOCITY= 2.04

EGPRS	EGLIC	HS	WEIR	QPR	BAREA	ELLC	ELTRD	CLASS	
0.0	252.95	0.02	0.	3000.	2133.	261.20	261.70	1.00	
1310.00	9.25	252.75	0.0	0.0	252.95	0.20	0.02	0.0	249.20
3000.	167.	2832.	1.	105.	772.	2.	2.	1.	251.30
0.00	1.59	3.67	0.53	0.095	0.060	0.085	0.058	243.50	1013.96

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T1 TRIB 13 BASIN 20
 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	FQ
	-10.	4.	0.	0.	0.002000	0.0	0.0	0.	251.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FM	ALLDC	IBW	CHN1M	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	WSEL	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	ENUST	

7250.00	9.80	253.10	0.0	251.00	253.19	0.09	0.0	0.0	247.30	
3900.	2526.	1023.	351.	1999.	251.	226.	0.	0.	249.10	
0.0	1.26	4.08	1.55	0.085	0.060	0.085	0.0	243.30	374.87	
0.002004	7250.	7250.	7250.	0	0	4	0.0	1263.97	1638.83	
7300.00	9.55	253.06	0.0	0.0	253.37	0.30	0.11	0.07	249.20	
3900.	233.	3665.	2.	116.	807.	2.	2.	1.	251.30	
0.00	2.02	4.54	0.72	0.085	0.060	0.085	0.059	243.50	1013.13	
0.002515	50.	50.	50.	2	0	1	0.0	151.63	1164.76	

SPECIAL BRIDGE

50/10 VARIABLE ELCHD OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	ROLEN	BWC	PWP	BAREA	SS	ELCHD	ELCHD
	0.90	1.50	2.60	0.0	175.00	16.00	2133.20	0.0	243.50	243.50

CLASS A LOW FLOW

BRIDGE W.S.= 253.05 BRIDGE VELOCITY= 2.57

EGPRS	EGLVC	H3	WEIR	QPR	BAREA	ELLC	ELTRD	CLASS	
0.0	253.39	0.03	0.	3900.	2133.	261.20	261.70	1.00	
7310.00	9.59	253.09	0.0	0.0	253.39	0.30	0.03	0.0	249.20
3900.	235.	3664.	2.	117.	810.	3.	2.	1.	251.30
0.00	2.01	4.52	0.72	0.085	0.060	0.085	0.058	243.50	1013.05

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T1 IRIB 13 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.002000	0.0	0.0	0.	253.000	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHN1M	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	CRWS	WSELK	EG	HV	HL	GLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VRGB	XVL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	YLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENUST	
7250.00	10.85	254.15	0.0	253.00	254.24	0.09	0.0	0.0	249.30	
7100.	5232.	1268.	600.	3240.	284.	330.	0.	0.	249.10	
0.0	1.61	4.47	1.82	0.085	0.060	0.085	0.0	243.30	294.81	
0.002026	7250.	7250.	7250.	0	0	4	0.0	1359.67	1654.49	

3301 HV CHARGED MORE THAN HVINS

7300.00	10.31	253.81	0.0	0.0	254.61	0.80	0.16	0.21	249.20	
7100.	487.	6606.	7.	143.	893.	5.	3.	1.	251.30	
0.00	3.42	7.40	1.39	0.085	0.060	0.085	0.059	243.50	1011.21	
0.005934	50.	50.	50.	2	0	1	0.0	154.73	1165.94	

SPECIAL BRIDGE

50% VARIABLE ELCHD OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	ROLEN	BWC	BWP	BAREA	SS	ELCHD	ELCHD
	0.00	1.50	2.60	0.0	175.00	16.00	2133.20	0.0	243.50	243.50

CLASS A LOW FLOW

BRIDGE W.S.= 253.75 BRIDGL VELOCITY= 4.36

EGPRS	EGLWC	H3	WEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.0	254.73	0.14	0.	7100.	2133.	261.20	261.70	100

 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 13 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INO	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	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= 343.88 WSEL= 251.84 ENC Q1= 343.88 WSEL= 252.84 RATIO= 0.0
 NAT Q1= 733. RATIO LOB,CH,ROB= 0.6136 0.2948 0.0916 WSEL= 252.84
 2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
 3280 CROSS SECTION 7250.00 EXTENDED 49859.53 FEET

SECNO	DEPTH	WSEL	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 ENCKROACHMENT STATIONS= 1360.3 1547.0 TYPE= 4 TARGET= 0.531
 7250.00 49878.32 50121.63 0.0 251.84 50121.63 0.00 0.0 0.0 249.30
 3900. 3062. 838. 0. 7718241. 1596041. 49. 0. 0. 249.10
 0.0 0.00 0.00 0.00 0.085 0.060 0.085 0.0 243.30 1360.28
 0.000000 7250. 7250. 7250. 0 0 1 0.0 186.72 1547.00

2800 NAT Q1= 574.75 WSEL= 251.94 ENC Q1= 710.99 WSEL= 252.94 RATIO= -0.2369
 NAT Q1= 755. RATIO LOB,CH,ROB= 0.0583 0.9413 0.0004 WSEL= 252.94
 3685 20 TRIALS USED WSEL,CWSEL
 3280 CROSS SECTION 7300.00 EXTENDED 49862.03 FEET

3470 ENCKROACHMENT STATIONS= 1048.0 1162.0 TYPE= 4 TARGET= 0.059
 7300.00 49878.13 50121.63 0.0 251.94 50121.63 0.00 0.00 0.00 249.20
 3900. 0. 3900. 0. 18. 5685820. 49. 3608. 0. 251.30
 20.25 0.00 0.00 0.00 0.085 0.060 0.085 0.059 243.50 1048.00
 0.000000 50. 50. 50. 22 0 1 0.0 114.00 1162.00

SPECIAL BRIDGE

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

Sta. No. -
3500

Stream Bed

W.S. profiles

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWIU	STENCL	STENCR	VCH	
Hand Calculated	3500	3500			3900 (avg)	246.30	Backwater from Swift Creek					1.50 (average)	
A	7250.00	7250.00	0.0	0.0	243.30	1550.00	251.84	343.88	251.95	931.01	0.0	0.0	3.66
	7250.00	7250.00	0.0	0.0	243.30	3000.00	252.72	671.82	252.81	1217.04	0.0	0.0	3.94
	7250.00	7250.00	0.0	0.0	243.30	3900.00	253.10	871.20	253.19	1263.97	0.0	0.0	4.08
	7250.00	7250.00	0.0	0.0	243.30	7100.00	254.15	1577.55	254.24	1359.67	0.0	0.0	4.47
	7250.00	7250.00	0.0	0.0	243.30	3900.00	50121.62	*****	50121.62	186.72	1360.28	1547.00	0.00
	7300.00	50.00	0.0	0.0	243.50	1550.00	251.94	574.75	252.02	147.05	0.0	0.0	2.18
	7300.00	50.00	0.0	0.0	243.50	3000.00	252.74	715.63	252.94	150.29	0.0	0.0	3.68
	7300.00	50.00	0.0	0.0	243.50	3900.00	253.06	777.65	253.37	151.63	0.0	0.0	4.54
	7300.00	50.00	0.0	0.0	243.50	7100.00	253.81	929.57	254.61	154.73	0.0	0.0	7.40
	7300.00	50.00	0.0	0.0	243.50	3900.00	50121.62	*****	50121.62	114.00	1048.00	1162.00	0.00
	7310.00	10.00	261.70	261.20	243.50	1550.00	251.95	575.29	252.02	147.04	0.0	0.0	2.18
	7310.00	10.00	261.70	261.20	243.50	3000.00	252.75	718.87	252.95	150.36	0.0	0.0	3.67
	7310.00	10.00	261.70	261.20	243.50	3900.00	253.09	783.72	253.39	151.76	0.0	0.0	4.52
	7310.00	10.00	261.70	261.20	243.50	7100.00	253.96	959.44	254.73	155.31	0.0	0.0	7.26
	7310.00	10.00	261.70	261.20	243.50	3900.00	252.95	756.06	50121.62	151.17	0.0	0.0	4.62
B	7360.00	50.00	0.0	0.0	243.50	1550.00	251.98	335.66	252.09	987.66	0.0	0.0	3.73
	7360.00	50.00	0.0	0.0	243.50	3000.00	252.98	738.24	253.05	1262.29	0.0	0.0	3.61
	7360.00	50.00	0.0	0.0	243.50	3900.00	253.45	1010.25	253.51	1297.12	0.0	0.0	3.57
	7360.00	50.00	0.0	0.0	243.50	7100.00	254.85	2087.36	254.91	1403.52	0.0	0.0	3.50
	7360.00	50.00	0.0	0.0	243.50	3900.00	50121.65	*****	50121.65	187.99	1359.01	1547.00	0.00
C	9250.00	1890.00	0.0	0.0	247.90	1550.00	257.20	245.83	257.53	138.24	0.0	0.0	5.60
	9250.00	1890.00	0.0	0.0	247.90	3000.00	258.29	352.23	258.95	164.57	0.0	0.0	8.28
	9250.00	1890.00	0.0	0.0	247.90	3900.00	258.67	395.87	259.58	173.81	0.0	0.0	9.87
	9250.00	1890.00	0.0	0.0	247.90	7100.00	259.51	507.05	261.45	186.06	0.0	0.0	14.89
	9250.00	1890.00	0.0	0.0	247.90	3900.00	50121.65	*****	50121.65	49.21	303.79	353.00	0.00
	9300.00	50.00	0.0	0.0	249.80	1550.00	257.07	128.58	258.07	82.44	0.0	0.0	8.25
	9300.00	50.00	0.0	0.0	249.80	3000.00	258.35	208.51	260.16	113.85	0.0	0.0	11.53
	9300.00	50.00	0.0	0.0	249.80	3900.00	259.21	279.54	261.12	138.96	0.0	0.0	12.21
	9300.00	50.00	0.0	0.0	249.80	7100.00	261.26	526.73	263.42	178.95	0.0	0.0	14.02
	9300.00	50.00	0.0	0.0	249.80	3900.00	50121.65	*****	50121.65	37.00	358.00	395.00	0.00
	9330.00	30.00	284.50	284.70	249.80	1550.00	257.15	132.49	258.11	84.26	0.0	0.0	8.09
	9330.00	30.00	284.50	284.70	249.80	3000.00	258.55	223.20	260.17	119.06	0.0	0.0	11.00
	9330.00	30.00	284.50	284.70	249.80	3900.00	259.41	298.33	261.12	144.74	0.0	0.0	11.66
	9330.00	30.00	284.50	284.70	249.80	7100.00	261.47	559.79	263.41	179.66	0.0	0.0	13.40
	9330.00	30.00	284.50	284.70	249.80	3900.00	258.15	193.82	50121.65	108.81	0.0	0.0	15.76
D	9380.00	50.00	0.0	0.0	249.10	1550.00	258.16	226.31	258.54	132.61	0.0	0.0	5.95
	9380.00	50.00	0.0	0.0	249.10	3000.00	260.25	442.78	260.70	183.03	0.0	0.0	6.98
	9380.00	50.00	0.0	0.0	249.10	3900.00	261.17	578.50	261.64	188.27	0.0	0.0	7.39
	9380.00	50.00	0.0	0.0	249.10	7100.00	263.35	986.91	263.97	258.82	0.0	0.0	8.97
	9380.00	50.00	0.0	0.0	249.10	3900.00	50121.99	*****	50121.99	46.36	306.65	353.00	0.00

WAKE COUNTY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	LG	TOPWID	STENCL	STENCR	VCH
E 18900.00	9520.00	0.0	0.0	275.20	500.00	283.45	174.09	283.52	79.26	0.0	0.0	2.60
18900.00	9520.00	0.0	0.0	275.20	1550.00	286.55	428.43	286.69	210.31	0.0	0.0	4.15
18900.00	9520.00	0.0	0.0	275.20	2380.00	287.85	615.01	288.03	275.99	0.0	0.0	4.80
18900.00	9520.00	0.0	0.0	275.20	4900.00	290.53	1279.53	290.70	462.33	0.0	0.0	5.45
18900.00	9520.00	0.0	0.0	275.20	2380.00	50121.99*****		50121.99	37.78	114.79	152.57	0.00
18950.00	50.00	0.0	0.0	277.20	500.00	283.51	181.78	283.57	68.89	0.0	0.0	2.09
18950.00	50.00	0.0	0.0	277.20	1550.00	286.59	419.86	286.77	82.65	0.0	0.0	3.79
18950.00	50.00	0.0	0.0	277.20	2380.00	287.86	546.34	288.15	86.99	0.0	0.0	4.91
18950.00	50.00	0.0	0.0	277.20	4900.00	290.28	834.27	290.96	88.99	0.0	0.0	7.67
18950.00	50.00	0.0	0.0	277.20	2380.00	50121.99*****		50121.99	34.00	166.00	200.00	0.00
18980.00	30.00	292.20	295.20	277.20	500.00	283.51	181.91	283.57	68.90	0.0	0.0	2.09
18980.00	30.00	292.20	295.20	277.20	1550.00	286.60	420.59	286.77	82.69	0.0	0.0	3.79
18980.00	30.00	292.20	295.20	277.20	2380.00	287.87	547.87	288.16	87.01	0.0	0.0	4.90
18980.00	30.00	292.20	295.20	277.20	4900.00	290.32	839.80	291.00	89.03	0.0	0.0	7.64
18980.00	30.00	292.20	295.20	277.20	2380.00	284.51	248.80	50121.99	73.36	0.0	0.0	8.15
19030.00	50.00	0.0	0.0	293.10	500.00	294.60	19.75	294.91	183.92	0.0	0.0	4.48
19030.00	50.00	0.0	0.0	293.10	1550.00	295.24	66.31	295.73	319.26	0.0	0.0	5.63
19030.00	50.00	0.0	0.0	293.10	2380.00	295.61	115.67	296.18	422.45	0.0	0.0	6.14
19030.00	50.00	0.0	0.0	293.10	4900.00	296.40	277.60	297.12	665.12	0.0	0.0	7.19
19030.00	50.00	0.0	0.0	293.10	2380.00	50122.07*****		50122.07	285.00	1515.00	1800.00	0.00
19080.00	50.00	0.0	0.0	280.20	500.00	294.94	1090.53	294.95	448.95	0.0	0.0	0.64
19080.00	50.00	0.0	0.0	280.20	1550.00	295.79	1372.86	295.80	467.40	0.0	0.0	1.63
19080.00	50.00	0.0	0.0	280.20	2380.00	296.25	1547.95	296.28	476.40	0.0	0.0	2.26
19080.00	50.00	0.0	0.0	280.20	4900.00	297.21	1953.06	297.29	495.17	0.0	0.0	3.85
19080.00	50.00	0.0	0.0	280.20	2380.00	50122.07*****		50122.07	286.38	104.81	391.20	0.00
G 29230.00	10150.00	0.0	0.0	338.30	500.00	342.95	39.33	343.33	206.83	0.0	0.0	6.09
29230.00	10150.00	0.0	0.0	338.30	1550.00	343.84	106.69	344.29	402.82	0.0	0.0	8.22
29230.00	10150.00	0.0	0.0	338.30	2380.00	344.19	151.26	344.72	484.39	0.0	0.0	9.41
29230.00	10150.00	0.0	0.0	338.30	4900.00	344.88	278.09	345.57	555.90	0.0	0.0	11.62
29230.00	10150.00	0.0	0.0	338.30	2380.00	50122.07*****		50122.07	19.23	1659.77	1679.00	0.00
H 36200.00	6970.00	0.0	0.0	399.80	500.00	406.35	65.79	406.43	128.31	0.0	0.0	2.77
36200.00	6970.00	0.0	0.0	399.80	1550.00	408.22	216.67	408.38	159.78	0.0	0.0	3.67
36200.00	6970.00	0.0	0.0	399.80	2380.00	409.25	342.71	409.47	169.76	0.0	0.0	4.29
36200.00	6970.00	0.0	0.0	399.80	4900.00	411.49	727.24	411.83	257.37	0.0	0.0	5.52
36200.00	6970.00	0.0	0.0	399.80	2380.00	50122.07*****		50122.07	66.00	1172.00	1238.00	0.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
7250.000	1550.000	251.845	0.0	0.0	0.0	931.005	0.0	7250.000
7250.000	3000.000	252.719	0.875	0.0	0.0	1217.039	-286.034	7250.000
7250.000	3900.000	253.102	0.382	0.0	0.0	1263.968	-332.962	7250.000
7250.000	7100.000	254.150	1.049	0.0	0.0	1359.672	-428.667	7250.000
7250.000	3900.000	50121.617	49867.470	0.0	0.0	186.725	744.281	7250.000
7300.000	1550.000	251.945	0.0	0.100	0.0	147.031	0.0	50.000
7300.000	3000.000	252.736	0.791	0.016	0.0	150.285	-3.254	50.000
7300.000	3900.000	253.061	0.325	-0.040	0.0	151.627	-4.596	50.000
7300.000	7100.000	253.811	0.750	-0.339	0.0	154.729	-7.698	50.000
7300.000	3900.000	50121.617	49867.800	0.0	0.0	114.002	33.029	50.000
7310.000	1550.000	251.949	0.0	0.005	0.0	147.044	0.0	10.000
7310.000	3000.000	252.753	0.804	0.017	0.0	150.356	-3.313	10.000

7310.000	3900.000	253.093	0.340	0.051	0.0	151.758	44.712	10.000
7310.000	7100.000	253.955	0.863	0.144	0.0	155.312	-8.268	10.000
7310.000	3900.000	252.949	-1.006	-49868.670	0.0	151.166	-4.122	10.000
7360.000	1550.000	251.977	0.0	0.027	0.0	967.657	0.0	50.000
7360.000	3000.000	252.979	1.002	0.226	0.0	1262.289	-274.632	50.000
7360.000	3900.000	253.451	0.472	0.358	0.0	1297.117	-309.460	50.000
7360.000	7100.000	254.854	1.404	0.899	0.0	1403.521	-415.865	50.000
7360.000	3900.000	50121.648	49866.790	49868.700	0.0	187.989	799.667	50.000
9250.000	1550.000	257.197	0.0	5.221	0.0	138.244	0.0	1890.000
9250.000	3000.000	258.289	1.092	5.310	0.0	164.568	-26.324	1890.000
9250.000	3900.000	258.674	0.385	5.223	0.0	173.815	-35.570	1890.000
9250.000	7100.000	259.507	0.833	4.653	0.0	186.065	-47.821	1890.000
9250.000	3900.000	50121.648	49862.140	0.0	0.0	49.212	89.032	1890.000
9300.000	1550.000	257.068	0.0	-0.129	0.0	82.442	0.0	50.000
9300.000	3000.000	258.353	1.284	0.064	0.0	113.851	-31.409	50.000
9300.000	3900.000	259.210	0.858	0.537	0.0	138.962	-56.521	50.000
9300.000	7100.000	261.260	2.050	1.753	0.0	178.948	-96.507	50.000
9300.000	3900.000	50121.648	49860.390	0.0	0.0	37.002	45.440	50.000
9330.000	1550.000	257.148	0.0	0.080	0.0	84.263	0.0	30.000
9330.000	3000.000	258.548	1.400	0.195	0.0	119.062	-34.799	30.000
9330.000	3900.000	259.409	0.862	0.199	0.0	144.740	-60.476	30.000
9330.000	7100.000	261.473	2.064	0.213	0.0	179.663	-95.399	30.000
9330.000	3900.000	258.147	-3.326	-49863.500	0.0	108.813	-24.550	30.000
9380.000	1550.000	258.158	0.0	1.011	0.0	132.611	0.0	50.000
9380.000	3000.000	260.254	2.095	1.706	0.0	183.026	-50.415	50.000
9380.000	3900.000	261.174	0.920	1.765	0.0	188.265	-55.655	50.000
9380.000	7100.000	263.346	2.171	1.872	0.0	258.824	-126.214	50.000
9380.000	3900.000	50121.988	49858.640	49863.840	0.0	46.355	86.255	50.000
18900.000	500.000	283.451	0.0	25.293	0.0	79.261	0.0	9520.000
18900.000	1550.000	286.546	3.095	26.292	0.0	210.314	-131.054	9520.000
18900.000	2380.000	287.855	1.309	26.681	0.0	275.992	-196.752	9520.000
18900.000	4900.000	290.529	2.674	27.133	0.0	462.327	-383.067	9520.000
18900.000	2380.000	50121.988	49831.460	0.0	0.0	37.779	41.482	9520.000
18950.000	500.000	283.509	0.0	0.058	0.0	68.891	0.0	50.000
18950.000	1550.000	286.593	3.064	0.047	0.0	82.650	-13.759	50.000
18950.000	2380.000	287.859	1.267	0.004	0.0	86.994	-18.103	50.000
18950.000	4900.000	290.280	2.421	-0.249	0.0	98.994	-20.103	50.000
18950.000	2380.000	50121.988	49831.710	0.0	0.0	34.002	34.889	50.000
18980.000	500.000	283.511	0.0	0.002	0.0	68.901	0.0	30.000
18980.000	1550.000	286.601	3.089	0.008	0.0	82.685	-13.784	30.000
18980.000	2380.000	287.674	1.273	0.014	0.0	87.006	-18.105	30.000
18980.000	4900.000	290.324	2.450	0.044	0.0	99.029	-20.128	30.000
18980.000	2380.000	284.511	-5.813	-49837.470	0.0	73.361	-4.460	30.000
19030.000	500.000	294.599	0.0	11.088	0.0	183.915	0.0	50.000
19030.000	1550.000	295.242	0.643	8.642	0.0	319.260	-135.345	50.000
19030.000	2380.000	295.608	0.366	7.735	0.0	422.447	-238.552	50.000
19030.000	4900.000	296.400	0.791	6.076	0.0	665.118	-481.203	50.000
19030.000	2380.000	50122.066	49825.670	49837.550	0.0	285.002	-101.087	50.000
19080.000	500.000	294.943	0.0	0.344	0.0	448.949	0.0	50.000
19080.000	1550.000	295.790	0.847	0.547	0.0	467.403	-18.454	50.000
19080.000	2380.000	296.249	0.459	0.641	0.0	476.395	-27.446	50.000
19080.000	4900.000	297.208	0.959	0.809	0.0	495.167	-46.218	50.000
19080.000	2380.000	50122.066	49824.860	0.0	0.0	286.384	162.565	50.000
29230.000	500.000	342.954	0.0	48.012	0.0	206.826	0.0	10150.000
29230.000	1550.000	343.841	0.886	48.051	0.0	402.822	-195.995	10150.000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOOD

Sta. No. 3500
GAWLER

Stream Bed

W.S. profiles

Hand Calculator

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
A 3500	3500				3900 (avg)	246.30 (low water from Swift Creek)						1.50 (average)
7250.00	7250.00	0.0	0.0	243.30	1550.00	251.84	343.88	251.95	931.01	0.0	0.0	3.66
7250.00	7250.00	0.0	0.0	243.30	3000.00	252.72	671.82	252.81	1217.04	0.0	0.0	3.94
A 7250.00	7250.00	0.0	0.0	243.30	3900.00	253.10	871.20	253.19	1263.97	0.0	0.0	4.08
7250.00	7250.00	0.0	0.0	243.30	7100.00	254.15	1577.55	254.24	1359.67	0.0	0.0	4.47
7250.00	7250.00	0.0	0.0	243.30	3900.00	50121.62*****	50121.62	186.72	1360.28	1547.00	0.00	0.00
7300.00	50.00	0.0	0.0	243.50	1550.00	251.94	574.75	252.02	147.03	0.0	0.0	2.18
7300.00	50.00	0.0	0.0	243.50	3000.00	252.74	715.63	252.94	150.29	0.0	0.0	3.68
7300.00	50.00	0.0	0.0	243.50	3900.00	253.06	777.65	253.37	151.63	0.0	0.0	4.54
7300.00	50.00	0.0	0.0	243.50	7100.00	253.81	929.57	254.61	154.73	0.0	0.0	7.40
7300.00	50.00	0.0	0.0	243.50	3900.00	50121.62*****	50121.62	114.00	1048.00	1162.00	0.00	0.00
7310.00	10.00	261.70	261.20	243.50	1550.00	251.95	575.29	252.02	147.04	0.0	0.0	2.18
7310.00	10.00	261.70	261.20	243.50	3000.00	252.75	718.87	252.95	150.36	0.0	0.0	3.67
7310.00	10.00	261.70	261.20	243.50	3900.00	253.09	783.72	253.39	151.76	0.0	0.0	4.52
7310.00	10.00	261.70	261.20	243.50	7100.00	253.96	959.44	254.73	155.31	0.0	0.0	7.26
7310.00	10.00	261.70	261.20	243.50	3900.00	252.95	756.06	50121.62	151.17	0.0	0.0	4.62
7360.00	50.00	0.0	0.0	243.50	1550.00	251.98	335.66	252.09	987.66	0.0	0.0	3.73
7360.00	50.00	0.0	0.0	243.50	3000.00	252.98	738.24	253.05	1262.29	0.0	0.0	3.61
B 7360.00	50.00	0.0	0.0	243.50	3900.00	253.45	1010.25	253.51	1297.12	0.0	0.0	3.57
7360.00	50.00	0.0	0.0	243.50	7100.00	254.85	2087.36	254.91	1403.52	0.0	0.0	3.50
7360.00	50.00	0.0	0.0	243.50	3900.00	50121.65*****	50121.65	187.99	1359.01	1547.00	0.00	0.00
9250.00	1890.00	0.0	0.0	247.90	1550.00	257.20	245.83	257.53	130.24	0.0	0.0	5.60
9250.00	1890.00	0.0	0.0	247.90	3000.00	258.29	352.23	258.95	164.57	0.0	0.0	8.28
9250.00	1890.00	0.0	0.0	247.90	3900.00	258.67	395.87	259.58	173.81	0.0	0.0	9.87
9250.00	1890.00	0.0	0.0	247.90	7100.00	259.31	507.05	261.45	186.06	0.0	0.0	14.89
9250.00	1890.00	0.0	0.0	247.90	3900.00	50121.65*****	50121.65	49.21	303.79	353.00	0.00	0.00
9300.00	50.00	0.0	0.0	249.80	1550.00	257.07	128.58	258.07	82.44	0.0	0.0	8.25
9300.00	50.00	0.0	0.0	249.80	3000.00	258.35	208.51	260.16	113.85	0.0	0.0	11.53
9300.00	50.00	0.0	0.0	249.80	3900.00	259.21	279.54	261.12	138.96	0.0	0.0	12.21
9300.00	50.00	0.0	0.0	249.80	7100.00	261.26	526.73	263.42	178.95	0.0	0.0	14.02
9300.00	50.00	0.0	0.0	249.80	3900.00	50121.65*****	50121.65	37.00	358.00	395.00	0.00	0.00
9330.00	30.00	284.50	284.70	249.80	1550.00	257.15	132.49	258.11	84.26	0.0	0.0	8.09
9330.00	30.00	284.50	284.70	249.80	3000.00	258.55	223.20	260.17	119.06	0.0	0.0	11.00
9330.00	30.00	284.50	284.70	249.80	3900.00	259.41	298.33	261.12	144.74	0.0	0.0	11.66
9330.00	30.00	284.50	284.70	249.80	7100.00	261.47	559.79	263.41	179.66	0.0	0.0	13.40
9330.00	30.00	284.50	284.70	249.80	3900.00	258.15	193.82	50121.65	108.81	0.0	0.0	15.76
9380.00	50.00	0.0	0.0	249.10	1550.00	258.16	226.31	258.54	132.61	0.0	0.0	5.95
9380.00	50.00	0.0	0.0	249.10	3000.00	260.25	442.78	260.70	133.03	0.0	0.0	6.98
9380.00	50.00	0.0	0.0	249.10	3900.00	261.17	578.50	261.64	188.27	0.0	0.0	7.39
9380.00	50.00	0.0	0.0	249.10	7100.00	263.35	936.91	263.97	258.82	0.0	0.0	8.97
9380.00	50.00	0.0	0.0	249.10	3900.00	50121.99*****	50121.99	46.36	306.65	353.00	0.00	0.00

WAKE COUNTY

SECTION NUMBER	CHANNEL LENGTH	MTN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
E 18900.00	9520.00	0.0	0.0	275.20	500.00	283.45	174.09	283.52	79.26	0.0	0.0	2.60
18900.00	9520.00	0.0	0.0	275.20	1550.00	286.55	428.43	286.69	210.31	0.0	0.0	4.15
18900.00	9520.00	0.0	0.0	275.20	2380.00	287.85	615.01	288.03	275.99	0.0	0.0	4.80
18900.00	9520.00	0.0	0.0	275.20	4900.00	290.53	1279.53	290.70	462.33	0.0	0.0	5.45
18900.00	9520.00	0.0	0.0	275.20	2380.00	50121.99*****	50121.99		37.78	114.79	152.57	0.00
18950.00	50.00	0.0	0.0	277.20	500.00	283.51	181.78	283.57	68.89	0.0	0.0	2.09
18950.00	50.00	0.0	0.0	277.20	1550.00	286.59	419.86	286.77	82.65	0.0	0.0	3.79
18950.00	50.00	0.0	0.0	277.20	2380.00	287.86	546.34	288.15	86.99	0.0	0.0	4.91
18950.00	50.00	0.0	0.0	277.20	4900.00	290.28	834.27	290.96	88.99	0.0	0.0	7.67
18950.00	50.00	0.0	0.0	277.20	2380.00	50121.99*****	50121.99		34.00	166.00	200.00	0.00
18980.00	30.00	292.20	295.20	277.20	500.00	283.51	181.91	283.57	68.90	0.0	0.0	2.09
18980.00	30.00	292.20	295.20	277.20	1550.00	286.60	420.59	286.77	82.69	0.0	0.0	3.79
18980.00	30.00	292.20	295.20	277.20	2380.00	287.87	547.87	288.16	87.01	0.0	0.0	4.90
18980.00	30.00	292.20	295.20	277.20	4900.00	290.32	839.80	291.00	89.03	0.0	0.0	7.64
18980.00	30.00	292.20	295.20	277.20	2380.00	284.51	248.80	50121.99	73.36	0.0	0.0	8.15
19030.00	50.00	0.0	0.0	293.10	500.00	294.60	19.75	294.91	183.92	0.0	0.0	4.48
19030.00	50.00	0.0	0.0	293.10	1550.00	295.24	66.31	295.73	319.26	0.0	0.0	5.63
19030.00	50.00	0.0	0.0	293.10	2380.00	295.61	115.67	296.18	422.45	0.0	0.0	6.14
19030.00	50.00	0.0	0.0	293.10	4900.00	296.40	277.60	297.12	565.12	0.0	0.0	7.19
19030.00	50.00	0.0	0.0	293.10	2380.00	50122.07*****	50122.07		285.00	1515.00	1800.00	0.00
F 19080.00	50.00	0.0	0.0	280.20	500.00	294.94	1090.53	294.95	448.95	0.0	0.0	0.64
19080.00	50.00	0.0	0.0	280.20	1550.00	295.79	1372.86	295.80	467.40	0.0	0.0	1.63
19080.00	50.00	0.0	0.0	280.20	2380.00	296.25	1547.95	296.28	476.40	0.0	0.0	2.26
19080.00	50.00	0.0	0.0	280.20	4900.00	297.21	1953.06	297.29	495.17	0.0	0.0	3.85
19080.00	50.00	0.0	0.0	280.20	2380.00	50122.07*****	50122.07		286.38	104.81	391.20	0.00
G 29230.00	10150.00	0.0	0.0	338.30	500.00	342.95	39.33	343.33	206.83	0.0	0.0	6.09
29230.00	10150.00	0.0	0.0	338.30	1550.00	343.84	106.69	344.29	402.82	0.0	0.0	8.22
29230.00	10150.00	0.0	0.0	338.30	2380.00	344.19	151.26	344.72	484.39	0.0	0.0	9.41
29230.00	10150.00	0.0	0.0	338.30	4900.00	344.88	278.09	345.57	555.90	0.0	0.0	11.62
29230.00	10150.00	0.0	0.0	338.30	2380.00	50122.07*****	50122.07		19.23	1659.77	1679.00	0.00
H 36200.00	6970.00	0.0	0.0	399.80	500.00	406.35	65.79	406.43	128.31	0.0	0.0	2.77
36200.00	6970.00	0.0	0.0	399.80	1550.00	408.22	216.67	408.38	159.78	0.0	0.0	3.67
36200.00	6970.00	0.0	0.0	399.80	2380.00	409.25	342.71	409.47	169.76	0.0	0.0	4.29
36200.00	6970.00	0.0	0.0	399.80	4900.00	411.49	727.24	411.83	257.37	0.0	0.0	5.52
36200.00	6970.00	0.0	0.0	399.80	2380.00	50122.07*****	50122.07		66.00	1172.00	1238.00	0.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
7250.000	1550.000	251.845	0.0	0.0	0.0	931.005	0.0	7250.000
7250.000	3000.000	252.719	0.875	0.0	0.0	1217.039	-286.034	7250.000
7250.000	3900.000	253.102	0.382	0.0	0.0	1263.968	-332.962	7250.000
7250.000	7100.000	254.150	1.049	0.0	0.0	1359.672	-428.667	7250.000
7250.000	3900.000	50121.617	49867.470	0.0	0.0	186.725	744.281	7250.000
7300.000	1550.000	251.945	0.0	0.100	0.0	147.031	0.0	50.000
7300.000	3000.000	252.736	0.791	0.016	0.0	150.285	-3.254	50.000
7300.000	3900.000	253.061	0.325	-0.040	0.0	151.627	-4.596	50.000
7300.000	7100.000	253.811	0.750	-0.339	0.0	154.729	-7.698	50.000
7300.000	3900.000	50121.617	49867.800	0.0	0.0	114.002	33.029	50.000
7310.000	1550.000	251.949	0.0	0.005	0.0	147.044	0.0	10.000
7310.000	3000.000	252.753	0.804	0.017	0.0	150.356	-3.313	10.000

7310.000	3900.000	253.955	0.863	0.144	0.0	155.312	-8.268	10.000
7310.000	7100.000	253.955	0.863	0.144	0.0	155.312	-8.268	10.000
7310.000	3900.000	252.949	-1.006	-49868.670	0.0	151.166	-4.122	10.000
7360.000	1550.000	251.977	0.0	0.027	0.0	987.657	0.0	50.000
7360.000	3000.000	252.979	1.002	0.226	0.0	1262.289	-274.632	50.000
7360.000	3900.000	253.451	0.472	0.358	0.0	1297.117	-309.460	50.000
7360.000	7100.000	254.854	1.404	0.899	0.0	1403.521	-415.865	50.000
7360.000	3900.000	50121.648	49866.790	49868.700	0.0	187.989	799.667	50.000
9250.000	1550.000	257.197	0.0	5.221	0.0	138.244	0.0	1890.000
9250.000	3000.000	258.289	1.092	5.310	0.0	164.568	-26.324	1890.000
9250.000	3900.000	258.674	0.385	5.223	0.0	173.815	-35.570	1890.000
9250.000	7100.000	259.507	0.833	4.653	0.0	186.065	-47.821	1890.000
9250.000	3900.000	50121.648	49862.140	0.0	0.0	49.212	89.032	1890.000
9300.000	1550.000	257.068	0.0	-0.129	0.0	82.442	0.0	50.000
9300.000	3000.000	258.353	1.283	0.064	0.0	113.851	-31.409	50.000
9300.000	3900.000	259.210	0.858	0.537	0.0	138.962	-56.521	50.000
9300.000	7100.000	261.260	2.050	1.753	0.0	178.948	-96.507	50.000
9300.000	3900.000	50121.648	49860.390	0.0	0.0	37.002	45.440	50.000
9330.000	1550.000	257.148	0.0	0.080	0.0	84.263	0.0	30.000
9330.000	3000.000	258.548	1.400	0.195	0.0	119.062	-34.799	30.000
9330.000	3900.000	259.409	0.862	0.199	0.0	144.740	-60.476	30.000
9330.000	7100.000	261.473	2.064	0.213	0.0	179.663	-95.399	30.000
9330.000	3900.000	258.147	-3.326	-49863.500	0.0	108.813	-24.550	30.000
9380.000	1550.000	258.158	0.0	1.011	0.0	132.611	0.0	50.000
9380.000	3000.000	260.254	2.095	1.706	0.0	183.026	-50.415	50.000
9380.000	3900.000	261.174	0.920	1.765	0.0	183.265	-55.655	50.000
9380.000	7100.000	263.346	2.171	1.872	0.0	258.824	-126.214	50.000
9380.000	3900.000	50121.988	49858.640	49863.840	0.0	46.355	86.255	50.000
18900.000	500.000	283.451	0.0	25.293	0.0	79.261	0.0	9520.000
18900.000	1550.000	286.546	3.095	26.292	0.0	210.314	-131.054	9520.000
18900.000	2380.000	287.855	1.309	26.681	0.0	275.992	-196.732	9520.000
18900.000	4900.000	290.529	2.674	27.183	0.0	462.327	-383.067	9520.000
18900.000	2380.000	50121.988	49831.460	0.0	0.0	37.779	41.482	9520.000
18950.000	500.000	283.509	0.0	0.058	0.0	68.891	0.0	50.000
18950.000	1550.000	286.593	3.084	0.047	0.0	82.650	-13.759	50.000
18950.000	2380.000	287.859	1.267	0.004	0.0	86.994	-18.103	50.000
18950.000	4900.000	290.280	2.421	-0.249	0.0	88.994	-20.103	50.000
18950.000	2380.000	50121.988	49831.710	0.0	0.0	34.002	34.889	50.000
18980.000	500.000	283.511	0.0	0.002	0.0	68.901	0.0	30.000
18980.000	1550.000	286.601	3.089	0.008	0.0	82.685	-13.784	30.000
18980.000	2380.000	287.874	1.273	0.014	0.0	87.006	-18.105	30.000
18980.000	4900.000	290.324	2.450	0.044	0.0	89.029	-20.128	30.000
18980.000	2380.000	284.511	-5.813	-49837.470	0.0	73.361	-4.460	30.000
19030.000	500.000	294.599	0.0	11.088	0.0	183.915	0.0	50.000
19030.000	1550.000	295.242	0.643	8.642	0.0	319.260	-135.345	50.000
19030.000	2380.000	295.608	0.366	7.735	0.0	422.447	-238.532	50.000
19030.000	4900.000	296.400	0.791	6.076	0.0	665.118	-481.203	50.000
19030.000	2380.000	50122.066	49825.670	49837.550	0.0	285.002	-101.087	50.000
19080.000	500.000	294.543	0.0	0.344	0.0	448.949	0.0	50.000
19080.000	1550.000	295.790	0.847	0.547	0.0	467.403	-18.454	50.000
19080.000	2380.000	296.249	0.459	0.641	0.0	476.395	-27.446	50.000
19080.000	4900.000	297.208	0.959	0.809	0.0	495.167	-46.218	50.000
19080.000	2380.000	50122.066	49824.860	0.0	0.0	286.384	162.565	50.000
29230.000	500.000	342.954	0.0	48.012	0.0	206.826	0.0	10150.000
29230.000	1550.000	343.841	0.886	48.051	0.0	402.822	-195.995	10150.000

29230.000	2380.000	344.193	0.533	47.944	0.0	484.570	-277.563	10150.000
29230.000	4900.000	344.883	0.690	47.675	0.0	555.900	-349.074	10150.000
29230.000	2380.000	50122.066	49777.180	0.0	0.0	19.231	187.595	10150.000
36200.000	500.000	406.345	0.0	63.391	0.0	128.306	0.0	6970.000
36200.000	1550.000	408.221	1.076	64.380	0.0	159.785	-31.479	6970.000
36200.000	2380.000	409.250	1.029	65.056	0.0	169.764	-41.458	6970.000
36200.000	4900.000	411.494	2.244	66.611	0.0	257.370	-129.064	6970.000
36200.000	2380.000	50122.066	49710.570	0.0	0.0	66.002	62.304	6970.000

DATA FOR LAST CROSS SECTION
PROFILE

TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	153.045	0.0
2	0.0	223.285	70.240
3	0.0	250.138	97.094
4	0.0	304.669	151.625
5	4.000	0.498	57.963

 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 13 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6055
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.002000	0.0	0.0	0.	251.000	0.0
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIP	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	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1550.000	2000.000	5900.000	7100.000	5900.000	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	7250.000	28.000	1515.000	1547.000	7250.000	7250.000	7250.000	0.0	-0.200	0.0
GR	262.300	0.0	259.100	100.000	257.100	200.000	254.200	300.000	253.000	400.000
GR	252.500	500.000	252.400	600.000	251.500	700.000	249.500	800.000	252.200	900.000
GR	251.600	1000.000	252.100	1100.000	251.300	1200.000	251.500	1300.000	250.800	1400.000
GR	250.000	1500.000	249.500	1515.000	247.800	1519.000	244.800	1521.000	243.500	1530.000
GR	244.800	1539.000	245.700	1542.000	249.300	1547.000	250.700	1600.000	257.400	1700.000
GR	254.400	1800.000	253.300	1900.000	255.600	1958.000	0.0	0.0	0.0	0.0
X1	7300.000	24.000	1048.000	1162.000	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	0.0	0.0	0.0
GR	259.600	0.0	259.300	100.000	259.000	200.000	259.100	300.000	259.400	400.000
GR	259.800	500.000	260.100	600.000	260.700	700.000	261.000	800.000	261.700	900.000
GR	262.300	1000.000	258.200	1000.000	249.200	1023.000	249.200	1048.000	244.600	1060.000
GR	243.500	1080.000	244.700	1100.000	246.500	1135.000	251.300	1162.000	259.600	1175.000
GR	263.600	1175.000	263.900	1200.000	265.000	1300.000	266.000	1400.000	0.0	0.0
SB	0.900	1.500	2.600	0.0	175.000	16.000	2153.200	0.0	0.0	0.0
X1	7310.000	0.0	0.0	0.0	10.000	10.000	10.000	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	8.000	900.000	261.700	0.0	1000.000	262.300	0.0	1001.000	262.300	259.500
BT	1048.000	262.700	259.700	1100.000	263.000	259.900	1175.000	263.600	261.200	1176.000
BT	263.600	0.0	1200.000	263.900	0.0	0.0	0.0	0.0	0.0	0.0
X1	7360.000	29.000	1515.000	1547.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	262.300	0.0	259.600	100.000	259.000	200.000	257.300	300.000	254.200	400.000
GR	252.500	500.000	252.400	600.000	251.500	700.000	249.500	800.000	252.200	900.000
GR	251.600	1000.000	252.100	1100.000	251.500	1200.000	251.500	1300.000	250.800	1400.000
GR	250.000	1500.000	249.500	1515.000	247.800	1519.000	244.800	1521.000	243.500	1530.000
GR	244.800	1539.000	245.700	1542.000	249.300	1547.000	251.300	1600.000	250.700	1700.000
GR	257.400	1800.000	254.400	1900.000	263.300	2000.000	265.600	2058.000	0.0	0.0
X1	9250.000	15.000	330.000	353.000	1890.000	1890.000	1890.000	0.0	-1.200	0.0

	GR	269.900	0.0	264.000	100.000	261.700	190.000	255.200	206.000	260.300	222.000	
	GR	255.500	300.000	254.100	330.000	252.100	333.000	250.500	336.000	249.100	342.000	
	GR	250.800	348.000	252.100	351.000	253.700	353.000	254.300	364.000	270.200	400.000	
	X1	9300.000	19.000	358.000	395.000	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	0.0	0.0	0.0	
1	GR	289.500	0.0	284.900	100.000	284.700	200.000	281.500	200.000	280.900	205.000	1
2	GR	258.500	245.000	260.500	259.000	255.200	358.000	251.500	367.000	249.800	374.000	2
3	GR	251.500	382.000	255.300	395.000	258.700	415.000	281.000	450.000	281.000	456.000	3
4	GR	284.700	456.000	284.500	500.000	285.100	600.000	286.400	700.000	0.0	0.0	4
5	SB	1.250	1.500	2.600	0.0	256.000	4.000	5105.500	0.0	0.0	0.0	5
6												6
7	X1	9330.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	7
8	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	BT	6.000	100.000	284.900	0.0	200.000	287.500	284.700	201.000	287.500	281.500	10
11	BT	456.000	287.500	281.500	456.000	287.500	284.700	500.000	284.500	0.0	0.0	11
12												12
13	X1	9380.000	15.000	330.000	353.000	50.000	50.000	50.000	0.0	0.0	0.0	13
14	GR	269.900	0.0	264.000	100.000	261.700	190.000	255.200	206.000	260.300	222.000	14
15	GR	255.500	300.000	254.100	330.000	252.100	333.000	250.500	336.000	249.100	342.000	15
16	GR	250.800	348.000	252.100	351.000	253.700	353.000	254.300	364.000	270.200	400.000	16
17	QT	5.000	500.000	1550.000	2380.000	4900.000	2380.000	0.0	0.0	0.0	0.0	17
18												18
19	X1	18900.000	13.000	120.000	137.000	9520.000	9520.000	9520.000	0.0	0.0	0.0	19
20	GR	295.700	0.0	282.100	100.000	280.900	108.000	277.500	120.000	276.500	123.000	20
21	GR	275.200	129.000	276.500	135.000	277.500	137.000	289.100	200.000	288.700	300.000	21
22	GR	284.100	400.000	290.500	500.000	294.600	550.000	0.0	0.0	0.0	0.0	22
23												23
24	X1	18950.000	18.000	166.000	200.000	50.000	50.000	50.000	0.0	0.0	0.0	24
25	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	GR	298.300	0.0	295.600	100.000	293.700	126.000	287.500	126.000	278.700	158.000	26
27	GR	278.900	166.000	277.800	174.000	277.200	181.000	278.100	191.000	279.500	200.000	27
28	GR	280.600	207.000	291.500	216.000	295.200	216.000	292.200	300.000	292.300	400.000	28
29	GR	293.600	500.000	297.800	600.000	298.300	624.000	0.0	0.0	0.0	0.0	29
30	SB	1.250	1.500	2.600	0.0	90.000	2.000	1077.100	0.0	0.0	0.0	30
31												31
32	X1	18980.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	32
33	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
34	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34
35	BT	8.000	100.000	295.600	0.0	126.000	295.900	293.700	127.000	295.900	292.100	35
36	BT	158.000	296.500	292.700	200.000	297.200	293.400	216.000	297.500	293.600	217.000	36
37	BT	297.500	295.200	300.000	292.200	0.0	0.0	0.0	0.0	0.0	0.0	37
38												38
39	X1	19030.000	20.000	1515.000	1800.000	50.000	50.000	50.000	0.0	0.0	0.0	39
40	GR	320.000	900.000	310.100	1000.000	298.500	1100.000	296.000	1200.000	296.400	1300.000	40
41	GR	295.600	1400.000	295.200	1500.000	295.100	1515.000	293.300	1516.000	293.600	1550.000	41
42	GR	293.800	1590.000	294.700	1591.000	293.100	1600.000	294.600	1630.000	294.400	1650.000	42
43	GR	295.000	1800.000	300.700	2000.000	304.900	2050.000	310.100	2100.000	320.000	2200.000	43
44												44
45	X1	19080.000	13.000	120.000	137.000	50.000	50.000	50.000	0.0	5.000	0.0	45
46	GR	295.700	0.0	282.100	100.000	280.900	108.000	277.500	120.000	276.500	123.000	46
47	GR	275.200	129.000	276.500	135.000	277.500	137.000	289.100	200.000	288.700	300.000	47
48	GR	284.100	400.000	290.500	500.000	294.600	550.000	0.0	0.0	0.0	0.0	48
49												49
50	X1	29230.000	21.000	1663.000	1679.000	10150.000	10150.000	10150.000	0.0	0.0	0.0	50
51	GR	356.400	1000.000	351.100	1050.000	347.000	1100.000	344.800	1150.000	344.400	1200.000	51
52	GR	343.800	1250.000	343.700	1300.000	343.600	1350.000	344.200	1400.000	343.400	1450.000	52
53	GR	342.800	1500.000	341.900	1550.000	342.300	1600.000	342.400	1650.000	342.500	1663.000	53
54	GR	339.300	1666.000	338.300	1670.000	339.100	1674.000	342.600	1679.000	343.100	1700.000	54
55	GR	357.400	1732.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55
56	ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0	56
57												57
	X1	36200.000	20.000	1172.000	1238.000	6970.000	6970.000	6970.000	0.0	0.0	0.0	
	GR	419.700	1000.000	417.100	1050.000	416.200	1066.000	411.300	1100.000	409.400	1118.000	
	GR	410.800	1150.000	410.900	1165.000	407.600	1172.000	405.400	1200.000	404.400	1227.000	

ULSDS A LOW FLOW

SR 400.900 1229.000 399.00 1201.000 400.500 1250.000 405.600 1238.000 405.200 1250.000
 GR 404.200 1281.000 404.200 1300.000 410.800 1350.000 416.600 1400.000 419.600 1425.000
 EJ 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

1
 2
 3 GCHV= 0.100 CEHV= 0.300
 4 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS BANK ELEV
 5 0 QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 6 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 7 SLOPE XLOBL XLCH XLOBR ITRIAL IUC ICONT CORAR TOPWID ENDST

8
 9
 10 7250.00 9.80 253.10 0.0 251.00 253.19 0.09 0.0 0.0 249.30
 11 3900. 2526. 1023. 351. 1999. 251. 226. 0. 0. 249.10
 12 0.0 1.26 4.08 1.55 0.085 0.060 0.085 0.0 243.30 374.87

13 0.002008 7250. 7250. 7250. 0 0 0.0 1263.97 1638.83
 14
 15
 16 7300.00 9.56 253.06 0.0 0.0 253.37 0.30 0.11 0.07 249.20
 17 3900. 233. 3665. 2. 116. 867. 2. 2. 1. 251.30
 18 0.00 2.02 4.54 0.72 0.085 0.060 0.085 0.059 243.50 1013.13

19 0.002615 50. 50. 50. 2 0 1 0.0 151.63 1164.76
 20
 21

22
 23 SPECIAL BRIDGE
 24

25 5070 VARIABLE ELCHU OR ELCHD ON CARD S3 NOT SPECIFIED
 26 SB XK XROB COEQ RDLEN BWC BWP BAREA SS ELCHU ELCHD
 27 0.90 1.50 2.60 0.0 175.00 16.00 2133.20 0.0 243.50 243.50
 28

29
 30 CLASS A LOW FLOW
 31

32 BRIDGE W.S. = 253.05 BRIDGE VELOCITY = 2.57
 33 EGPRS EGLWC H3 QWEIR QPR BAREA ELLC ELTRD CLASS
 34 0.0 253.39 0.03 0. 3900. 2133. 261.20 261.70 1.00
 35
 36

37
 38 7310.00 9.59 253.09 0.0 0.0 253.39 0.30 0.03 0.0 249.20
 39 3900. 235. 3664. 2. 117. 810. 3. 2. 1. 251.30
 40 0.00 2.01 4.52 0.72 0.085 0.060 0.085 0.058 243.50 1013.05
 41 0.002476 10. 10. 10. 0 0 1 0.0 151.76 1164.81
 42

43
 44 7360.00 9.95 253.45 0.0 0.0 253.51 0.06 0.09 0.02 249.50
 45 3900. 2399. 911. 591. 2100. 255. 469. 4. 2. 249.30
 46 0.01 1.14 3.57 1.26 0.085 0.060 0.085 0.058 243.50 443.97
 47 0.001490 50. 50. 50. 2 0 1 0.0 1297.12 1741.08
 48
 49

50
 51 3265 DIVIDED FLOW
 52

53
 54 3301 HV CHANGED MORE THAN HVINS
 55

56 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS BANK ELEV
 57 0 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 IUC ICONT CORAR TOPWID ENDST

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

T1 IRIB 13 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	0.	0.	0.	0.0	0.0	0.0	0.	254.100	0.0

J2	NPROF	IPLOT	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= 871.20 WSEL= 253.10 ENC Q1= 871.20 WSEL= 254.10 RATIO= 0.0
 NAT Q1= 1540. RATIOS LOB,CH,ROB= 0.7339 0.1814 0.0847 WSEL= 254.10

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XCH	XROB	ITRIAL	IUC	ICONT	CORAR	TOPWID	ENDST

3470 ENCR OACHMENT STATIONS= 1072.8 1577.0 TYPE= 4 TARGET= 0.434
 7250.00 10.60 254.10 0.0 253.10 254.23 0.13 0.0 0.0 249.50
 3900. 2352. 1244. 304. 1385. 282. 141. 0. 0. 249.10
 0.0 1.70 4.40 2.15 0.085 0.060 0.085 0.0 243.30 1072.79
 0.001986 7250. 7250. 7250. 0 0 1 0.0 505.01 1577.80

2800 NAT Q1= 777.65 WSEL= 253.06 ENC Q1= 910.88 WSEL= 254.06 RATIO= -0.1713
 NAT Q1= 982. RATIOS LOB,CH,ROB= 0.071 0.9275 0.0012 WSEL= 254.06

3470 ENCR OACHMENT STATIONS= 1042.0 1162.0 TYPE= 4 TARGET= 0.073
 7300.00 10.59 254.09 0.0 253.06 254.37 0.28 0.10 0.04 249.20
 3900. 0. 3900. 0. 0. 925. 0. 2. 0. 251.30
 0.00 0.0 0.22 0.01 0.085 0.060 0.085 0.059 243.50 1048.00
 0.001912 50. 50. 50. 2 0 1 0.0 114.00 1162.00

SPECIAL BRIDGE

5070 VARIABLE ELCHO OF ELCHO (L) CARD SB NOT SPECIFIED

SB	XK	XCOR	COFO	RDLEN	BWC	BWP	BARCA	SS	ELCHU	ELCHO
	0.90	1.50	2.60	0.0	175.00	16.00	2133.20	0.0	243.50	243.50

6110 ELCHO OF 254.32 LESS THAN YEG OF 254.37
 CLASS A LOW FLOW

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

USE INSTEAD OF
TOPWID

100 YEAR FLOODWAY

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH U	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
A	7250.000	3900.000	253.102	0.0	0.0	1263.968	0.0	7250.000
	7250.000	3900.000	254.100	0.998	0.0	505.014	758.954	7250.000
	7300.000	3900.000	253.061	0.0	-0.040	151.627	0.0	50.000

WAKE COUNTY

Hand Calculated
Data Sheet
Report
A
B
C
D
E
F
G
H

458 1530 47
493 1530 93
52 342 18
85 342 21
28 129 191
60 129 254
92 1670 16
63 1231 59

9.87
10.21
7.39
6.91
9.41
11.63

