



	GR	308.600	1000.000	301.000	1100.000	294.500	1200.000	292.100	1300.000	284.400	1364.800	
	GR	282.300	1366.000	282.100	1367.000	282.300	1368.000	284.400	1369.300	284.500	1373.800	
	GR	282.400	1375.000	282.200	1376.000	282.400	1377.000	284.500	1378.300	292.700	1400.000	
	GR	302.100	1600.000	307.200	1750.000	0.0	0.0	0.0	0.0	0.0	0.0	
	SB	0.900	1.500	3.000	0.0	13.500	4.500	31.800	0.0	282.400	282.200	
1	X1	11025.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0	1
2	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	BT	12.000	1300.000	292.100	0.0	1364.800	292.200	284.600	1366.000	292.200	286.600	4
5	BT	1367.000	292.200	286.800	1368.000	292.200	286.600	1369.300	292.200	284.600	1373.800	5
6	BT	292.200	284.700	1375.000	292.200	286.700	1376.000	292.200	286.900	1377.000	292.200	6
7	BT	286.700	1378.300	292.200	284.700	1400.000	292.700	0.0	0.0	0.0	0.0	7
8												8
9	X1	11100.000	11.000	278.000	315.000	75.000	75.000	75.000	0.0	0.0	0.0	9
10	GR	296.800	100.000	294.300	200.000	288.800	278.000	282.600	288.000	281.100	294.000	10
11	GR	288.900	315.000	286.400	400.000	291.500	500.000	292.200	600.000	294.900	700.000	11
12	GR	300.500	800.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	GT	5.000	400.000	700.000	875.000	1450.000	875.000	0.0	0.0	0.0	0.0	13
14												14
15	X1	12800.000	10.000	283.000	310.000	1700.000	1700.000	1700.000	0.0	-0.600	0.0	15
16	GR	320.200	0.0	314.700	100.000	306.300	200.000	304.800	283.000	297.400	301.000	16
17	GR	304.400	310.000	305.200	400.000	307.000	500.000	314.400	600.000	320.800	675.000	17
18												18
19	X1	12850.000	18.000	310.500	325.500	50.000	50.000	50.000	0.0	0.0	0.0	19
20	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	GR	320.800	0.0	315.700	100.000	309.300	200.000	305.500	300.000	299.600	310.500	21
22	GR	298.100	311.000	297.100	313.000	298.100	315.000	299.600	315.500	299.600	320.500	22
23	GR	298.100	321.000	297.100	323.000	298.100	325.000	299.600	325.500	305.200	400.000	23
24	GR	307.800	500.000	314.400	600.000	320.800	675.000	0.0	0.0	0.0	0.0	24
25	SB	0.900	1.500	3.000	0.0	15.000	5.000	39.300	0.0	297.200	297.100	25
26												26
27	X1	12910.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0	27
28	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	BT	12.000	300.000	305.500	0.0	310.500	305.400	299.700	311.000	305.400	301.200	30
31	BT	315.000	305.400	302.200	315.000	305.400	301.200	315.500	305.400	299.700	320.500	31
32	BT	305.400	299.700	321.000	305.400	301.200	323.000	305.400	302.200	325.000	305.400	32
33	BT	301.200	325.500	305.400	299.700	400.000	305.200	0.0	0.0	0.0	0.0	33
34												34
35	X1	12960.000	10.000	283.000	310.000	50.000	50.000	50.000	0.0	0.0	0.0	35
36	GR	320.200	0.0	314.700	100.000	306.300	200.000	304.800	283.000	297.400	301.000	36
37	GR	304.400	310.000	305.200	400.000	307.000	500.000	314.400	600.000	320.800	675.000	37
38												38
39	X1	13650.000	18.000	900.000	936.000	690.000	690.000	690.000	0.0	-0.700	0.0	39
40	GR	317.600	0.0	317.300	100.000	317.600	200.000	316.900	300.000	316.800	400.000	40
41	GR	316.000	500.000	313.600	600.000	310.300	700.000	309.100	800.000	307.500	900.000	41
42	GR	302.500	921.000	307.100	936.000	312.100	1000.000	313.900	1100.000	313.000	1200.000	42
43	GR	319.700	1300.000	323.700	1400.000	325.300	1440.000	0.0	0.0	0.0	0.0	43
44												44
45	X1	13700.000	22.000	922.000	934.000	50.000	50.000	50.000	0.0	0.0	0.0	45
46	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46
47	GR	318.900	0.0	318.400	100.000	317.700	300.000	316.700	500.000	314.100	600.000	47
48	GR	310.100	700.000	308.800	800.000	304.000	922.000	302.200	923.000	302.000	924.000	48
49	GR	302.200	925.000	304.000	926.000	304.000	930.000	302.200	931.000	302.000	932.000	49
50	GR	302.200	933.000	304.000	934.000	310.900	1000.000	312.000	1100.000	318.100	1300.000	50
51	GR	322.500	1400.000	324.000	1440.000	0.0	0.0	0.0	0.0	0.0	0.0	51
52	SB	0.900	1.500	3.000	0.0	12.000	4.000	25.100	0.0	302.300	302.000	52
53												53
54	X1	13775.000	0.0	0.0	0.0	75.000	75.000	75.000	0.0	0.0	0.0	54
55	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55
56	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56
57	BT	15.000	800.000	308.800	0.0	900.000	308.800	0.0	952.000	308.500	304.300	57
	BT	955.000	308.500	306.100	954.000	308.500	306.300	955.000	308.500	306.100	956.000	
	BT	308.500	304.300	960.000	308.500	304.300	961.000	308.500	306.100	962.000	308.500	
	BT	306.300	963.000	308.500	306.100	964.000	308.500	304.300	1000.000	310.900	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	TW	EG	TOPWID	STENCL	STENCR	VCH
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1800.00	1800.00	0.0	0.0	226.00	440.00	231.17	56.34	231.37	47.38	0.0	0.0	3.59
1850.00	50.00	0.0	0.0	226.50	440.00	231.49	50.91	231.72	45.64	0.0	0.0	3.87
1880.00	30.00	243.70	244.90	226.50	440.00	231.50	51.59	231.73	45.87	0.0	0.0	3.83
1930.00	50.00	0.0	0.0	227.70	440.00	231.91	37.89	232.25	44.75	0.0	0.0	4.67
3300.00	1370.00	0.0	0.0	232.80	440.00	238.29	94.06	238.37	183.14	0.0	0.0	2.78
10500.00	7200.00	0.0	0.0	281.10	440.00	285.30	20.82	286.49	21.68	0.0	0.0	8.73
11000.00	500.00	0.0	0.0	282.10	440.00	289.36	95.62	289.45	68.08	0.0	0.0	3.05
11025.00	25.00	292.10	286.90	282.10	440.00	292.56	274.94	292.57	119.05	0.0	0.0	1.41
11100.00	75.00	0.0	0.0	281.10	440.00	292.58	670.21	292.58	389.60	0.0	0.0	0.61
12800.00	1700.00	0.0	0.0	296.80	400.00	301.69	18.24	302.95	18.18	0.0	0.0	9.00
12850.00	50.00	0.0	0.0	297.10	400.00	303.35	70.97	303.46	71.52	0.0	0.0	3.30
12910.00	60.00	305.20	302.20	297.10	400.00	305.46	172.62	305.49	110.15	0.0	0.0	1.72
12960.00	50.00	0.0	0.0	297.40	400.00	305.45	81.26	305.57	166.47	0.0	0.0	3.00
13650.00	690.00	0.0	0.0	301.80	400.00	307.49	64.93	307.65	92.89	0.0	0.0	3.28
13700.00	50.00	0.0	0.0	302.00	400.00	307.74	96.62	307.78	142.93	0.0	0.0	2.34
13775.00	75.00	308.50	306.30	302.00	400.00	309.25	217.24	309.26	219.22	0.0	0.0	1.25
13825.00	50.00	0.0	0.0	302.50	400.00	309.24	121.36	309.30	175.42	0.0	0.0	2.12
15150.00	1325.00	0.0	0.0	310.90	400.00	315.90	18.00	317.19	17.55	0.0	0.0	9.11
15200.00	50.00	0.0	0.0	311.30	400.00	317.90	40.81	318.21	50.35	0.0	0.0	5.85
15270.00	70.00	321.80	318.60	311.30	400.00	317.90	40.92	318.21	50.42	0.0	0.0	5.84
15320.00	50.00	0.0	0.0	313.40	400.00	318.41	18.02	319.69	17.56	0.0	0.0	9.10

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
1800.000	440.000	231.175	0.0	0.0	0.0	47.382	0.0	1800.000
1850.000	440.000	231.489	0.0	0.314	0.0	45.642	0.0	50.000
1880.000	440.000	231.505	0.0	0.016	0.0	45.870	0.0	30.000
1930.000	440.000	231.911	0.0	0.406	0.0	44.749	0.0	50.000



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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIB. 11 BASIN 20  
 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	FQ
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	233.000	0.0
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLOC	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	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AKOB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1800.00	6.49	232.49	0.0	233.00	232.76	0.27	0.0	0.0	232.60
800.	0.	800.	0.	0.	193.	0.	0.	0.	232.50
0.0	0.0	4.15	0.0	0.085	0.060	0.085	0.0	226.00	561.53
0.006025	1800.	1800.	1800.	0	0	5	0.0	59.43	620.96

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 233.00 ELREA= 233.10

1850.00	6.29	232.79	0.0	0.0	233.09	0.30	0.33	0.01	233.00
800.	0.	800.	0.	0.	181.	0.	0.	0.	233.10
0.00	0.0	4.41	0.0	0.085	0.060	0.085	0.059	226.50	562.03
0.007096	50.	50.	50.	0	0	1	0.0	57.67	619.69

SPECIAL BRIDGE

50/0 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	120.00	6.00	1254.40	0.0	226.50	226.50

CLASS A LOW FLOW

BRIDGE W.S.= 232.79 BRIDGE VELOCITY= 1.12

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.0	233.11	0.02	0.	800.	1254.	244.90	243.70	1.00

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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11 TRIB. 11 BASIN 20  
 12 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 13 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	234.000	0.0
J2	NPROP	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	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

1800.00	7.18	233.18	0.0	234.00	233.52	0.34	0.0	0.0	232.60
1100.	1.	1099.	1.	1.	234.	1.	0.	0.	232.50
0.0	0.59	4.69	0.65	0.085	0.060	0.085	0.0	226.00	556.25
0.006003	1800.	1800.	1800.	0	0	5	0.0	67.35	623.61

1850.00	6.98	233.48	0.0	0.0	233.86	0.38	0.33	0.01	233.00
1100.	0.	1100.	0.	0.	223.	0.	0.	0.	233.10
0.00	0.56	4.94	0.48	0.085	0.060	0.085	0.059	226.50	558.94
0.007143	50.	50.	50.	0	0	1	0.0	63.62	622.56

SPECIAL BRIDGE

50/0,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	120.00	6.00	1254.40	0.0	226.50	226.50

CLASS A LOW FLOW

BRIDGE W.S.= 233.48 BRIDGE VELOCITY= 1.38

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.0	233.89	0.03	0.	1100.	1254.	244.90	243.70	1.00

1880.00	7.01	233.51	0.0	0.0	233.89	0.37	0.02	0.0	233.00
1100.	0.	1100.	0.	1.	224.	0.	0.	0.	233.10
0.00	0.58	4.90	0.50	0.085	0.060	0.085	0.059	226.50	558.82

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIB, 11 BASIN 20  
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.006000	0.0	0.0	0.	236.000	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSFL	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CONAR	TOPWID	ENDST
1800.00	9.11	235.11	0.0	236.00	235.68	0.56	0.0	0.0	232.60
2200.	40.	2139.	21.	26.	350.	13.	0.	0.	232.50
0.0	1.57	6.11	1.58	0.085	0.060	0.085	0.0	226.00	540.56
0.005970	1800.	1800.	1800.	0	0	4	0.0	90.42	630.97
1850.00	8.89	235.39	0.0	0.0	236.02	0.63	0.32	0.02	233.00
2200.	20.	2164.	17.	12.	337.	11.	0.	0.	233.10
0.00	1.61	6.42	1.56	0.085	0.060	0.085	0.059	226.50	550.82
0.006948	50.	50.	50.	2	0	1	0.0	79.49	630.31

SPECIAL BRIDGE  
 50/0, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	120.00	6.00	1254.40	0.0	226.50	226.50

CLASS A LOW FLOW  
 BRIDGE W.S.= 233.38 BRIDGE VELOCITY= 2.17

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS	
0.0	236.06	0.06	0.	2200.	1254.	244.90	243.70	1.00	
1880.00	8.95	235.45	0.0	0.0	236.06	0.62	0.04	0.0	233.00
2200.	21.	2162.	17.	13.	340.	11.	1.	0.	233.10
0.00	1.61	6.35	1.56	0.085	0.060	0.085	0.059	226.50	550.57







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	
1	15320.00	50.00	0.0	0.0	313.40	400.00	318.41	18.02	319.69	17.56	0.0	0.0	9.10
2	15320.00	50.00	0.0	0.0	313.40	700.00	322.85	300.02	322.87	453.33	0.0	0.0	1.77
3	15320.00	50.00	0.0	0.0	313.40	875.00	323.14	359.19	323.16	494.68	0.0	0.0	1.91
4	15320.00	50.00	0.0	0.0	313.40	1450.00	323.79	524.83	323.82	559.29	0.0	0.0	2.31
5	1800.000	440.000	231.175	0.0	0.0	0.0	47.382	0.0	1800.000				
6	1800.000	800.000	232.490	1.316	0.0	0.0	59.427	-12.045	1800.000				
7	1800.000	1100.000	233.184	0.693	0.0	0.0	67.354	-19.973	1800.000				
8	1800.000	2200.000	235.114	1.930	0.0	0.0	90.418	-43.036	1800.000				
9	1850.000	440.000	231.489	0.0	0.314	0.0	45.642	0.0	50.000				
10	1850.000	800.000	232.792	1.304	0.302	0.0	57.665	-12.023	50.000				
11	1850.000	1100.000	233.484	0.691	0.300	0.0	63.622	-17.980	50.000				
12	1850.000	2200.000	235.389	1.905	0.275	0.0	79.494	-33.852	50.000				
13	1880.000	440.000	231.505	0.0	0.016	0.0	45.870	0.0	30.000				
14	1880.000	800.000	232.814	1.309	0.021	0.0	57.867	-11.997	30.000				
15	1880.000	1100.000	233.512	0.699	0.029	0.0	63.862	-17.992	30.000				
16	1880.000	2200.000	235.446	1.934	0.057	0.0	79.971	-34.101	30.000				
17	1930.000	440.000	231.911	0.0	0.406	0.0	44.749	0.0	50.000				
18	1930.000	800.000	233.180	1.269	0.366	0.0	58.152	-13.404	50.000				
19	1930.000	1100.000	233.862	0.682	0.349	0.0	68.167	-23.418	50.000				
20	1930.000	2200.000	235.776	1.915	0.330	0.0	98.617	-53.868	50.000				
21	3300.000	440.000	238.287	0.0	6.376	0.0	183.145	0.0	1370.000				
22	3300.000	800.000	239.199	0.912	6.019	0.0	202.562	-19.417	1370.000				
23	3300.000	1100.000	239.777	0.578	5.915	0.0	215.148	-32.004	1370.000				
24	3300.000	2200.000	241.422	1.645	5.646	0.0	241.564	-58.419	1370.000				
25	10500.000	440.000	285.303	0.0	47.016	0.0	21.677	0.0	7200.000				
26	10500.000	800.000	286.683	1.380	47.484	0.0	42.785	-21.108	7200.000				
27	10500.000	1100.000	287.784	1.102	48.008	0.0	106.607	-84.930	7200.000				
28	10500.000	2200.000	289.173	1.389	47.752	0.0	181.691	-160.014	7200.000				
29	11000.000	440.000	289.355	0.0	4.053	0.0	68.085	0.0	500.000				
30	11000.000	800.000	290.951	1.596	4.269	0.0	85.799	-17.714	500.000				
31	11000.000	1100.000	291.710	0.759	3.926	0.0	94.019	-25.934	500.000				
32	11000.000	2200.000	293.528	1.818	4.355	0.0	177.124	-109.039	500.000				
33	11025.000	440.000	292.557	0.0	3.201	0.0	119.051	0.0	25.000				
34	11025.000	800.000	293.526	0.969	2.574	0.0	176.996	-57.945	25.000				
35	11025.000	1100.000	294.059	0.533	2.348	0.0	210.538	-91.487	25.000				
36	11025.000	2200.000	295.596	1.538	2.068	0.0	278.505	-159.454	25.000				
37	11100.000	440.000	292.578	0.0	0.022	0.0	389.602	0.0	75.000				
38	11100.000	800.000	293.568	0.989	0.042	0.0	440.309	-50.707	75.000				
39	11100.000	1100.000	294.118	0.550	0.059	0.0	468.445	-78.843	75.000				
40	11100.000	2200.000	295.696	1.579	0.100	0.0	570.094	-180.492	75.000				
41	12800.000	400.000	301.688	0.0	9.110	0.0	18.177	0.0	1700.000				
42	12800.000	700.000	302.887	1.199	9.319	0.0	22.636	-4.459	1700.000				
43	12800.000	875.000	303.457	0.570	9.339	0.0	24.755	-6.578	1700.000				
44	12800.000	1450.000	305.372	1.915	9.676	0.0	224.846	-206.669	1700.000				
45	12850.000	400.000	303.346	0.0	1.658	0.0	71.516	0.0	50.000				

	12850.000	700.000	304.859	1.513	1.972	0.0	94.304	-22.788	50.000	
	12850.000	875.000	305.563	0.704	2.106	0.0	115.642	-44.126	50.000	
	12850.000	1450.000	306.412	0.849	1.040	0.0	170.693	-99.177	50.000	
	12910.000	400.000	305.465	0.0	2.119	0.0	110.145	0.0	60.000	
	12910.000	700.000	306.448	0.983	1.589	0.0	172.976	-62.831	60.000	
1	12910.000	875.000	306.830	0.382	1.267	0.0	197.761	-87.616	60.000	1
2	12910.000	1450.000	307.734	0.903	1.321	0.0	256.253	-146.108	60.000	2
3										3
4										4
5	12960.000	400.000	305.445	0.0	-0.020	0.0	166.466	0.0	50.000	5
6	12960.000	700.000	306.464	1.019	0.016	0.0	272.241	-105.775	50.000	6
7	12960.000	875.000	306.862	0.398	0.032	0.0	299.078	-132.612	50.000	7
8	12960.000	1450.000	307.800	0.938	0.066	0.0	328.680	-162.215	50.000	8
9										9
10	13650.000	400.000	307.486	0.0	2.041	0.0	92.886	0.0	690.000	10
11	13650.000	700.000	308.317	0.831	1.853	0.0	155.854	-62.967	690.000	11
12	13650.000	875.000	308.660	0.343	1.798	0.0	186.683	-93.796	690.000	12
13	13650.000	1450.000	309.521	0.861	1.722	0.0	269.501	-176.615	690.000	13
14										14
15	13700.000	400.000	307.742	0.0	0.257	0.0	142.934	0.0	50.000	15
16	13700.000	700.000	308.646	0.904	0.329	0.0	174.545	-31.611	50.000	16
17	13700.000	875.000	309.011	0.365	0.350	0.0	198.156	-55.222	50.000	17
18	13700.000	1450.000	309.892	0.881	0.370	0.0	274.443	-131.509	50.000	18
19										19
20	13775.000	400.000	309.249	0.0	1.506	0.0	219.216	0.0	75.000	20
21	13775.000	700.000	309.721	0.472	1.074	0.0	259.576	-40.360	75.000	21
22	13775.000	875.000	309.937	0.216	0.926	0.0	278.284	-59.068	75.000	22
23	13775.000	1450.000	310.572	0.635	0.680	0.0	308.675	-89.458	75.000	23
24										24
25	13825.000	400.000	309.243	0.0	-0.006	0.0	175.421	0.0	50.000	25
26	13825.000	700.000	309.713	0.470	-0.008	0.0	220.589	-45.168	50.000	26
27	13825.000	875.000	309.929	0.216	-0.008	0.0	241.345	-65.925	50.000	27
28	13825.000	1450.000	310.570	0.642	-0.001	0.0	288.667	-113.247	50.000	28
29										29
30	15150.000	400.000	315.903	0.0	6.660	0.0	17.550	0.0	1325.000	30
31	15150.000	700.000	317.945	2.042	8.232	0.0	136.698	-119.148	1325.000	31
32	15150.000	875.000	318.262	0.317	8.333	0.0	178.709	-161.159	1325.000	32
33	15150.000	1450.000	318.888	0.626	8.318	0.0	261.728	-244.177	1325.000	33
34										34
35	15200.000	400.000	317.900	0.0	1.997	0.0	50.348	0.0	50.000	35
36	15200.000	700.000	318.992	1.093	1.048	0.0	63.911	-13.563	50.000	36
37	15200.000	875.000	319.261	0.269	0.999	0.0	67.230	-16.883	50.000	37
38	15200.000	1450.000	319.794	0.533	0.906	0.0	73.703	-23.355	50.000	38
39										39
40	15270.000	400.000	317.900	0.0	0.0	0.0	50.415	0.0	70.000	40
41	15270.000	700.000	322.813	4.913	3.821	0.0	265.115	-214.700	70.000	41
42	15270.000	875.000	323.087	0.274	3.826	0.0	316.418	-266.003	70.000	42
43	15270.000	1450.000	323.715	0.628	3.921	0.0	421.242	-370.827	70.000	43
44										44
45	15320.000	400.000	318.405	0.0	0.505	0.0	17.557	0.0	50.000	45
46	15320.000	700.000	322.852	4.447	0.039	0.0	453.333	-435.776	50.000	46
47	15320.000	875.000	323.136	0.284	0.049	0.0	494.676	-477.119	50.000	47
48	15320.000	1450.000	323.792	0.656	0.077	0.0	559.292	-541.735	50.000	48
49										49
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DATA FOR LAST CROSS SECTION  
 PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH  
 AREA-ACRES AREA-DIFF

1	0.0	0.0	35.769	0.0
2	0.0	0.0	45.890	10.122
3	0.0	0.0	55.350	19.582
4	0.0	0.0	75.292	39.523

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIB. 11 BASIN 20  
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1	4.	0.	0.	0.006000	0.0	0.0	0.	234.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IDW	CHNIM	ITRACE
	-1.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J5	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	440.000	800.000	1100.000	2200.000	1100.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	110.400	0.0	0.0	0.0	0.0
X1	1800.000	13.000	561.000	621.000	1800.000	1800.000	1800.000	0.0	0.0	0.0
GR	254.700	0.0	249.300	100.000	247.000	200.000	243.100	400.000	240.100	500.000
GR	232.600	561.000	226.000	593.000	232.500	621.000	240.100	650.000	242.100	700.000
GR	243.900	800.000	246.100	900.000	250.300	1000.000	0.0	0.0	0.0	0.0
X1	1850.000	8.000	561.000	621.000	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	243.700	500.000	239.100	535.000	233.000	561.000	226.500	593.000	233.100	621.000
GR	239.000	645.000	243.900	700.000	246.900	800.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.600	0.0	120.000	6.000	1254.400	0.0	0.0	0.0
X1	1880.000	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	5.000	500.000	243.700	0.0	533.000	247.000	244.900	593.000	247.000	243.500
BT	653.000	247.000	243.500	700.000	243.900	0.0	0.0	0.0	0.0	0.0
X1	1930.000	9.000	561.000	621.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	247.800	200.000	243.900	400.000	241.100	500.000	233.300	561.000	227.700	593.000
GR	233.400	621.000	243.200	700.000	244.500	800.000	247.300	900.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-15.400	0.0	0.0	0.0	0.0
X1	3300.000	20.000	1150.000	1174.000	1370.000	1370.000	1370.000	0.0	0.0	0.0
GR	252.100	1000.000	244.800	1050.000	240.400	1072.000	240.000	1074.000	237.700	1106.000
GR	237.100	1150.000	234.800	1152.000	232.800	1162.000	234.300	1172.000	237.700	1174.000
GR	236.600	1200.000	237.900	1204.000	234.800	1207.000	236.900	1210.000	236.900	1250.000
GR	237.100	1272.000	240.800	1300.000	242.200	1319.000	250.700	1330.000	251.300	1400.000
X1	10500.000	11.000	278.000	315.000	7200.000	7200.000	7200.000	0.0	0.0	0.0
GR	296.800	100.000	294.300	200.000	298.800	278.000	282.600	288.000	281.100	294.000
GR	288.900	315.000	286.400	400.000	291.500	500.000	292.200	600.000	294.900	700.000
GR	300.500	800.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	11000.000	17.000	1364.800	1378.300	500.000	500.000	500.000	0.0	0.0	0.0







SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOOD WATER SUR

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
1800.00	1800.00	0.0	0.0	226.00	1100.00	233.16	141.97	233.52	67.35	0.0	0.0	4.69
1850.00	50.00	0.0	0.0	226.50	1100.00	233.48	130.15	233.86	63.62	0.0	0.0	4.94
1880.00	30.00	243.70	244.90	226.50	1100.00	233.51	131.85	233.89	63.86	0.0	0.0	4.90
1930.00	50.00	0.0	0.0	227.70	1100.00	233.86	109.86	234.33	68.17	0.0	0.0	5.48
3300.00	1370.00	0.0	0.0	232.80	1100.00	239.78	237.16	239.87	215.15	0.0	0.0	3.37
10500.00	7200.00	0.0	0.0	281.10	1100.00	287.78	71.96	288.79	106.61	0.0	0.0	8.45
11000.00	500.00	0.0	0.0	282.10	1100.00	291.71	212.14	291.87	94.02	0.0	0.0	4.29
11025.00	25.00	292.10	286.90	282.10	1100.00	294.00	429.98	294.11	210.54	0.0	0.0	2.50
11100.00	75.00	0.0	0.0	281.10	1100.00	294.12	1115.22	294.13	468.44	0.0	0.0	1.03
12800.00	1700.00	0.0	0.0	296.80	875.00	303.46	41.56	305.21	24.75	0.0	0.0	10.62
12850.00	50.00	0.0	0.0	297.10	875.00	305.56	179.59	305.68	115.64	0.0	0.0	3.66
12910.00	60.00	305.20	302.20	297.10	875.00	306.83	290.69	306.88	197.76	0.0	0.0	2.52
12960.00	50.00	0.0	0.0	297.40	875.00	306.86	202.98	306.96	299.08	0.0	0.0	3.16
13650.00	690.00	0.0	0.0	301.80	875.00	308.66	130.25	308.91	186.68	0.0	0.0	4.39
13700.00	50.00	0.0	0.0	302.00	875.00	309.01	191.41	309.07	198.16	0.0	0.0	3.03
13775.00	75.00	308.50	306.30	302.00	875.00	309.94	301.82	309.97	278.28	0.0	0.0	2.11
13825.00	50.00	0.0	0.0	302.50	875.00	309.93	181.39	310.06	241.35	0.0	0.0	3.42
15150.00	1325.00	0.0	0.0	310.90	875.00	318.26	67.34	318.99	178.71	0.0	0.0	7.56
15200.00	50.00	0.0	0.0	311.30	875.00	319.26	77.45	319.74	67.23	0.0	0.0	7.78
15270.00	70.00	321.80	318.60	311.30	875.00	323.09	314.21	323.12	316.42	0.0	0.0	2.56
15320.00	50.00	0.0	0.0	313.40	875.00	323.14	359.19	323.16	494.68	0.0	0.0	1.91
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH 0	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
1800.000	1100.000	233.184	0.0	0.0	0.0	67.354	0.0	1800.000				
1850.000	1100.000	233.484	0.0	0.300	0.0	63.622	0.0	50.000				
1880.000	1100.000	233.512	0.0	0.029	0.0	63.862	0.0	30.000				
1930.000	1100.000	233.862	0.0	0.349	0.0	68.167	0.0	50.000				





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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIB. 11 BASIN 20  
 T2 FLOODPLAIN STUDY AT LAKE COUNTY M-6 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.	234.180	0.0
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	F1	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= 141.97 WSEL= 233.18 ENC Q1= 207.31 WSEL= 234.18 RATIO= -0.4602

NAT Q1= 210. RATIOS LOR,CH,ROB= 0.0072 0.9888 0.0039 WSEL= 234.18

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	BLOSS	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	IOC	ICONT	CORAR	TOPWID	ENDST

3470 ENCHROACHMENT STATIONS= 561.0 621.0 TYPE= 4 TARGET= 0.011

1800.00	8.16	234.18	0.0	233.18	234.40	0.22	0.0	0.0	232.60
1100.	0.	1100.	0.	0.	294.	0.	0.	0.	232.50
0.0	0.0	3.74	0.01	0.085	0.060	0.085	0.0	226.00	561.00
0.002919	1800.	1800.	1800.	0	0	1	0.0	60.00	621.00

2800 NAT Q1= 130.15 WSEL= 233.48 ENC Q1= 193.65 WSEL= 234.48 RATIO= -0.4879  
 NAT Q1= 195. RATIOS LOR,CH,ROB= 0.0034 0.9939 0.0027 WSEL= 234.48

3470 ENCHROACHMENT STATIONS= 561.0 621.0 TYPE= 4 TARGET= 0.006

1850.00	7.82	234.32	0.0	233.48	234.57	0.25	0.16	0.01	233.00
1100.	0.	1100.	0.	0.	273.	0.	0.	0.	233.10
0.00	0.0	4.03	0.01	0.085	0.060	0.085	0.059	226.50	561.00
0.003734	50.	50.	50.	2	0	1	0.0	60.00	621.00

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD OR CAR) SB NOT SPECIFIED

SB	XK	XROK	COEN	ROLEN	BWC	PIP	BARLA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	120.00	6.00	1254.40	0.0	226.50	226.50

CLASS A LOW FLOW

BRIDGE W.S.= 234.32 BRIDGE VELOCITY= 1.25

15150.00 1325.00 0.0 0.0 310.70 075.00 310.20 07.57 310.77 110.14 0.0 0.0

0.64 1.27 2.54 1.08 0.085 0.060 0.085 0.060 313.40 708.68  
 0.001043 50. 50. 50. 2 0 1 0.0 170.94 879.63

SUMMARY PRINTOUT FOR MULTIPLE PROFILES													
100 YEAR FLOODWAY													
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
9	1800.00	1800.00	0.0	0.0	226.00	1100.00	233.18	141.97	233.52	67.35	0.0	0.0	4.69
10	1800.00	1800.00	0.0	0.0	226.00	1100.00	234.18	203.58	234.40	60.00	561.00	621.00	3.74
12	1850.00	50.00	0.0	0.0	226.50	1100.00	233.48	130.15	233.86	63.62	0.0	0.0	4.94
13	1850.00	50.00	0.0	0.0	226.50	1100.00	234.32	180.02	234.57	60.00	561.00	621.00	4.03
15	1880.00	30.00	243.70	244.90	226.50	1100.00	233.51	131.85	233.89	63.86	0.0	0.0	4.90
16	1880.00	30.00	243.70	244.90	226.50	1100.00	234.51	196.87	234.74	72.19	0.0	0.0	3.84
18	1930.00	50.00	0.0	0.0	227.70	1100.00	233.86	109.86	234.33	68.17	0.0	0.0	5.48
19	1930.00	50.00	0.0	0.0	227.70	1100.00	234.65	154.05	234.96	60.00	561.00	621.00	4.44
21	3300.00	1370.00	0.0	0.0	232.80	1100.00	239.78	237.16	239.87	215.15	0.0	0.0	3.37
22	3300.00	1370.00	0.0	0.0	232.80	1100.00	240.47	185.65	240.71	75.13	1132.88	1208.02	4.65
24	10500.00	7200.00	0.0	0.0	281.10	1100.00	287.78	71.96	288.79	106.61	0.0	0.0	8.45
25	10500.00	7200.00	0.0	0.0	281.10	1100.00	288.46	82.42	289.42	35.28	278.00	315.00	7.84
27	11000.00	500.00	0.0	0.0	282.10	1100.00	291.71	212.14	291.87	94.02	0.0	0.0	4.29
28	11000.00	500.00	0.0	0.0	282.10	1100.00	291.96	219.22	292.15	50.67	1336.85	1387.53	4.23
30	11025.00	25.00	0.0	0.0	282.10	1100.00	294.06	429.98	294.11	210.54	0.0	0.0	2.50
31	11025.00	25.00	0.0	0.0	282.10	1100.00	294.31	411.72	294.38	68.31	1323.63	1391.94	2.65
33	11100.00	75.00	0.0	0.0	281.10	1100.00	294.12	1115.22	294.13	468.44	0.0	0.0	1.03
34	11100.00	75.00	0.0	0.0	281.10	1100.00	294.39	935.43	294.40	188.32	236.16	424.48	1.25
36	12800.00	1700.00	0.0	0.0	296.80	875.00	303.46	41.56	305.21	24.75	0.0	0.0	10.62
37	12800.00	1700.00	0.0	0.0	296.80	875.00	303.52	42.56	305.21	24.97	283.00	310.00	10.43
39	12850.00	50.00	0.0	0.0	297.10	875.00	305.56	179.59	305.68	115.64	0.0	0.0	3.66
40	12850.00	50.00	0.0	0.0	297.10	875.00	305.54	155.96	305.74	46.05	306.15	352.21	4.20
42	12910.00	60.00	0.0	0.0	297.10	875.00	306.83	290.69	306.88	197.76	0.0	0.0	2.52
43	12910.00	60.00	0.0	0.0	297.10	875.00	306.81	246.83	306.90	60.80	302.66	363.46	2.96
45	12960.00	50.00	0.0	0.0	297.40	875.00	306.86	202.98	306.96	299.08	0.0	0.0	3.16
46	12960.00	50.00	0.0	0.0	297.40	875.00	306.87	190.59	306.99	180.00	220.00	400.00	3.37
48	13650.00	690.00	0.0	0.0	301.80	875.00	308.66	130.25	308.91	186.68	0.0	0.0	4.39
49	13650.00	690.00	0.0	0.0	301.80	875.00	308.79	133.14	309.05	100.00	863.00	963.00	4.38
51	13700.00	50.00	0.0	0.0	302.00	875.00	309.01	191.41	309.07	198.16	0.0	0.0	3.03
52	13700.00	50.00	0.0	0.0	302.00	875.00	309.13	206.09	309.20	118.31	848.37	966.68	2.85
54	13775.00	75.00	0.0	0.0	302.00	875.00	309.94	301.82	309.97	278.28	0.0	0.0	2.11
55	13775.00	75.00	0.0	0.0	302.00	875.00	310.06	307.36	310.09	140.21	835.13	975.34	2.10
56	13825.00	50.00	0.0	0.0	302.50	875.00	309.92	181.39	310.06	241.35	0.0	0.0	3.42
57	13825.00	50.00	0.0	0.0	302.50	875.00	309.99	150.33	310.23	61.81	881.22	943.03	4.16
	15150.00	1325.00	0.0	0.0	310.90	875.00	318.26	67.34	318.99	178.71	0.0	0.0	7.56



