
 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. 19 BASIN 22
 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.	0.001400	0.0	0.5	0.	241.000	0.0		
J2	NPROF	IPLOT	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		
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	1750.000	3350.000	4600.000	7900.000	4600.000	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	2300.000	18.000	1416.000	1440.000	2300.000	2300.000	2300.000	0.0	0.0	0.0		
GR	246.400	1000.000	232.100	1100.000	242.700	1200.000	243.800	1300.000	243.500	1400.000		
GR	242.900	1416.000	238.600	1420.000	237.200	1427.000	238.700	1434.000	243.000	1440.000		
GR	242.800	1450.000	243.000	1500.000	242.400	1600.000	243.200	1700.000	243.300	1800.000		
GR	244.600	1900.000	248.500	2000.000	252.600	2100.000	0.0	0.0	0.0	0.0		
X1	8690.000	20.000	362.000	386.000	6390.000	6390.000	6390.000	0.0	-2.000	0.0		
GR	273.900	0.0	269.100	55.000	263.400	100.000	261.600	200.000	258.700	300.000		
GR	258.200	362.000	256.100	364.000	254.900	375.000	255.400	385.000	257.500	386.000		
GR	258.600	400.000	258.900	500.000	259.400	600.000	261.100	700.000	263.500	800.000		
GR	266.800	900.000	269.800	1000.000	271.500	1100.000	273.000	1200.000	276.100	1300.000		
X1	8740.000	33.000	200.000	400.000	50.000	50.000	50.000	0.0	0.0	0.0		
X5	10.000	0.0	0.0	0.0	0.0	0.0	0.0	276.400	278.400	0.0		
GR	278.900	0.0	278.900	100.000	278.900	200.000	274.000	201.000	271.900	212.000		
GR	271.000	214.000	266.400	223.000	261.400	235.000	258.800	241.000	258.400	248.000		
GR	258.000	254.000	255.900	256.000	256.000	261.000	254.300	272.000	253.700	286.000		
GR	253.800	287.000	257.900	288.000	258.100	298.000	257.700	300.000	257.900	311.000		
GR	258.000	323.000	257.800	336.000	257.800	347.000	258.000	351.000	259.500	354.000		
GR	259.500	359.000	264.000	373.000	271.100	385.000	276.100	392.000	276.100	399.000		
GR	280.900	400.000	282.300	500.000	283.500	600.000	0.0	0.0	0.0	0.0		
SB	1.250	1.500	2.500	0.0	200.000	24.000	2737.000	0.0	0.0	0.0		
X1	8750.000	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	278.400	278.900	0.0	0.0	0.0	0.0	0.0		
X5	10.000	0.0	0.0	0.0	0.0	0.0	0.0	278.900	280.900	0.0		
BT	6.000	0.0	278.900	0.0	200.000	278.900	276.400	300.000	279.900	0.0		
BT	400.000	280.900	278.400	500.000	282.300	0.0	600.000	283.500	0.0	0.0		
X1	8800.000	20.000	362.000	386.000	50.000	50.000	50.000	0.0	0.0	0.0		
GR	273.900	0.0	269.100	55.000	263.400	100.000	261.600	200.000	258.700	300.000		
GR	258.200	362.000	256.100	364.000	254.900	375.000	255.400	385.000	257.500	386.000		
GR	258.600	400.000	258.900	500.000	259.400	600.000	261.100	700.000	263.500	800.000		
GR	266.800	900.000	269.800	1000.000	271.500	1100.000	273.000	1200.000	276.100	1300.000		

1	X1	9375.000	24.000	567.000	600.000	575.000	575.000	575.000	0.0	-2.400	0.0
2	GR	274.700	0.0	270.900	100.000	266.500	200.000	265.700	240.000	269.000	258.000
3	GR	268.800	269.000	265.400	284.000	265.200	300.000	263.800	400.000	262.700	500.000
4	GR	259.700	567.000	257.800	568.000	258.200	582.000	258.700	599.000	260.800	600.000
5	GR	262.600	700.000	263.300	800.000	265.400	900.000	268.000	1000.000	269.700	1100.000
6	GR	271.800	1200.000	273.600	1300.000	274.600	1400.000	277.900	1500.000	0.0	0.0
7	X1	9425.000	27.000	731.000	800.000	50.000	50.000	50.000	0.0	0.0	0.0
8	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	263.800	263.800	0.0
9	GR	282.300	0.0	279.300	100.000	275.900	200.000	272.400	300.000	269.800	400.000
10	GR	268.000	500.000	266.900	600.000	266.000	700.000	266.000	731.000	262.100	738.000
11	GR	257.200	739.000	257.000	750.000	257.500	760.000	257.000	771.000	257.500	775.000
12	GR	257.900	776.000	258.400	795.000	261.700	800.000	266.000	800.000	266.800	900.000
13	GR	267.500	1000.000	268.400	1100.000	270.200	1200.000	272.500	1300.000	275.800	1400.000
14	GR	278.900	1500.000	283.300	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
15	SB	1.250	1.500	2.500	0.0	69.000	0.830	391.000	0.0	0.0	0.0
16	X1	9450.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
17	X2	0.0	0.0	1.000	263.800	266.000	0.0	0.0	0.0	0.0	0.0
18	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	266.000	266.000	0.0
19	BT	16.000	0.0	282.300	0.0	100.000	279.300	0.0	200.000	275.900	0.0
20	BT	300.000	272.400	0.0	400.000	269.800	0.0	500.000	268.000	0.0	600.000
21	BT	266.900	0.0	700.000	266.000	0.0	731.000	266.000	263.800	800.000	266.000
22	BT	263.800	900.000	266.800	0.0	1000.000	267.500	0.0	1100.000	268.400	0.0
23	BT	1200.000	270.200	0.0	1300.000	272.500	0.0	1500.000	278.900	0.0	0.0
24	X1	9500.000	24.000	567.000	600.000	50.000	50.000	50.000	0.0	0.0	0.0
25	GR	274.700	0.0	270.900	100.000	266.500	200.000	265.700	240.000	269.000	258.000
26	GR	268.800	269.000	265.400	284.000	265.200	300.000	263.800	400.000	262.700	500.000
27	GR	259.700	567.000	257.800	568.000	258.200	582.000	258.700	599.000	260.800	600.000
28	GR	262.600	700.000	263.300	800.000	265.400	900.000	268.000	1000.000	269.700	1100.000
29	GR	271.800	1200.000	273.600	1300.000	274.600	1400.000	277.900	1500.000	0.0	0.0
30	BT	5.000	1350.000	2600.000	3500.000	6300.000	3500.000	0.0	0.0	0.0	0.0
31	X1	13100.000	23.000	700.000	730.000	3600.000	3600.000	3600.000	0.0	-0.100	0.0
32	GR	293.700	0.0	290.300	100.000	289.400	200.000	287.100	300.000	285.100	400.000
33	GR	282.400	500.000	279.400	600.000	276.400	700.000	272.300	709.000	271.100	718.000
34	GR	272.700	727.000	276.100	730.000	276.700	791.000	278.300	800.000	279.900	815.000
35	GR	281.100	900.000	280.500	1000.000	281.200	1100.000	281.200	1200.000	281.200	1300.000
36	GR	284.700	1400.000	285.900	1460.000	296.800	1484.000	0.0	0.0	0.0	0.0
37	X1	13150.000	25.000	954.000	985.000	50.000	50.000	50.000	0.0	0.0	0.0
38	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	271.800	271.800	0.0
39	GR	297.300	0.0	294.700	100.000	291.900	200.000	289.700	300.000	287.400	400.000
40	GR	285.800	500.000	284.100	600.000	283.200	700.000	282.300	800.000	281.800	900.000
41	GR	281.400	954.000	271.800	954.000	271.800	985.000	281.400	985.000	281.400	1000.000
42	GR	281.300	1100.000	281.100	1200.000	281.300	1300.000	281.200	1400.000	281.800	1500.000
43	GR	283.000	1600.000	285.800	1700.000	290.200	1800.000	295.400	1900.000	300.600	1994.000
44	SB	1.250	1.500	2.500	0.0	31.000	1.000	207.000	0.0	0.0	0.0
45	X1	13250.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.0	0.0
46	X2	0.0	0.0	1.000	271.800	281.100	0.0	0.0	0.0	0.0	0.0
47	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	281.400	281.400	0.0
48	BT	19.000	0.0	297.300	0.0	100.000	294.700	0.0	200.000	291.900	0.0
49	BT	300.000	289.700	0.0	400.000	287.400	0.0	500.000	285.800	0.0	600.000
50	BT	284.100	0.0	700.000	283.200	0.0	800.000	282.300	0.0	900.000	281.800
51	BT	0.0	954.000	281.400	278.700	985.000	281.400	278.700	1000.000	281.400	0.0
52	BT	1100.000	281.300	0.0	1200.000	281.100	0.0	1400.000	281.200	0.0	1600.000
53	BT	283.000	0.0	1800.000	290.200	0.0	1994.000	300.600	0.0	0.0	0.0
54	X1	13300.000	23.000	700.000	730.000	50.000	50.000	50.000	0.0	0.0	0.0
55	GR	293.700	0.0	290.300	100.000	289.400	200.000	287.100	300.000	285.100	400.000
56	GR	282.400	500.000	279.400	600.000	276.400	700.000	272.300	709.000	271.100	718.000
57	GR	272.700	727.000	276.100	730.000	276.700	791.000	278.300	800.000	279.900	815.000
	GR	281.100	900.000	280.500	1000.000	281.200	1100.000	281.200	1200.000	281.200	1300.000

	GR	284,700	1400,000	285,900	1460,000	296,800	1484,000	0.0	0.0	0.0	0.0
	X1	19979,000	14,000	575,000	600,000	6679,000	6679,000	6679,000	0.0	-0,500	0.0
	GR	325,800	0.0	319,400	100,000	318,100	200,000	310,800	300,000	309,600	400,000
	GR	305,600	500,000	304,400	575,000	303,500	576,000	303,700	585,000	303,700	594,000
	GR	304,400	600,000	312,700	700,000	317,400	760,000	328,300	800,000	0.0	0.0
1	X1	20029,000	21,000	200,000	329,000	50,000	50,000	50,000	0.0	0.0	0.0
2	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	321,900	322,000	0.0
3	GR	322,700	0.0	323,000	100,000	324,200	200,000	310,400	200,000	308,000	204,000
4	GR	305,300	206,000	303,500	225,000	303,800	232,000	304,100	250,000	303,800	254,000
5	GR	304,500	275,000	304,300	289,000	304,500	300,000	304,800	307,000	313,000	313,000
6	GR	317,000	322,000	317,700	329,000	324,400	329,000	325,900	400,000	331,800	500,000
7	GR	337,600	600,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	SB	1,050	1,500	2,500	0.0	129,000	1,670	1957,000	0.0	0.0	0.0
9	X1	20050,000	0.0	0.0	0.0	21,000	21,000	21,000	0.0	0.0	0.0
10	X2	0.0	0.0	1,000	322,000	322,700	0.0	0.0	0.0	0.0	0.0
11	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	324,200	324,400	0.0
12	BT	8,000	0.0	322,700	0.0	100,000	323,000	0.0	200,000	324,200	321,900
13	BT	300,000	324,200	0.0	329,000	324,400	322,000	400,000	325,900	0.0	500,000
14	BT	331,800	0.0	600,000	337,600	0.0	0.0	0.0	0.0	0.0	0.0
15	X1	20075,000	0.0	0.0	0.0	25,000	25,000	25,000	0.0	0,100	0.0
16	X1	20100,000	14,000	345,000	470,000	25,000	25,000	25,000	0.0	0.0	0.0
17	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	GR	322,800	0.0	322,200	100,000	321,900	200,000	321,800	300,000	321,900	330,000
19	GR	325,900	330,000	324,100	345,000	320,900	345,000	320,900	400,000	320,400	450,000
20	GR	306,000	450,000	307,500	470,000	324,200	470,000	324,200	472,000	0.0	0.0
21	SB	0,900	1,500	2,500	0.0	0,500	0,001	0,200	0.0	0.0	0.0
22	X1	20150,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.0	0.0
23	X2	0.0	0.0	1,000	306,500	320,400	0.0	0.0	0.0	0.0	0.0
24	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	BT	12,000	0.0	322,800	0.0	100,000	322,200	0.0	200,000	321,900	0.0
26	BT	300,000	321,800	0.0	330,000	321,900	0.0	345,000	324,100	0.0	345,000
27	BT	320,900	0.0	400,000	320,900	0.0	450,000	320,400	0.0	470,000	320,400
28	BT	0.0	470,000	324,200	0.0	472,000	324,200	0.0	0.0	0.0	0.0
29	X1	20200,000	13,000	575,000	600,000	50,000	50,000	50,000	0.0	0,300	0.0
30	GR	325,800	0.0	319,400	100,000	318,100	200,000	310,800	300,000	309,600	400,000
31	GR	305,600	500,000	304,400	575,000	303,500	576,000	303,700	594,000	304,400	600,000
32	GR	312,700	700,000	317,400	760,000	328,300	800,000	0.0	0.0	0.0	0.0
33	X1	26474,000	14,000	259,000	277,000	6374,000	6374,000	6374,000	0.0	-0,500	0.0
34	GR	354,600	0.0	350,100	100,000	342,800	200,000	342,500	209,000	339,200	259,000
35	GR	335,500	264,000	335,500	268,000	336,200	273,000	338,600	277,000	339,000	300,000
36	GR	338,800	400,000	340,800	500,000	341,500	516,000	354,600	573,000	0.0	0.0
37	X1	26524,000	24,000	1100,000	1137,000	50,000	50,000	50,000	0.0	0.0	0.0
38	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	340,600	340,600	0.0
39	GR	357,800	0.0	352,000	200,000	348,300	400,000	345,800	600,000	343,300	800,000
40	GR	341,100	1000,000	342,200	1100,000	336,500	1100,000	335,000	1103,000	335,000	1105,000
41	GR	335,700	1108,000	335,700	1115,000	335,400	1118,000	335,400	1122,000	335,400	1127,000
42	GR	336,300	1128,000	336,800	1131,000	338,100	1133,000	338,400	1137,000	342,200	1137,000
43	GR	342,800	1200,000	350,700	1400,000	357,400	1500,000	358,600	1516,000	0.0	0.0
44	SB	1,050	1,500	2,500	0.0	37,000	1,000	165,000	0.0	0.0	0.0
45	X1	26550,000	0.0	0.0	0.0	26,000	26,000	26,000	0.0	0.0	0.0
46	X2	0.0	0.0	1,000	340,600	341,100	0.0	0.0	0.0	0.0	0.0
47	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	342,200	342,200	0.0
48	BT	12,000	0.0	357,800	0.0	200,000	352,000	0.0	400,000	348,300	0.0
49	BT	600,000	345,200	0.0	800,000	343,300	0.0	1000,000	341,100	0.0	1100,000
50	BT	342,200	340,600	1137,000	342,200	340,600	1200,000	342,800	0.0	1400,000	350,700
51	BT	0.0	1500,000	357,400	0.0	1516,000	358,600	0.0	0.0	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
2300.00	2300.00	0.0	0.0	232.10	1750.00	242.19	465.52	242.25	187.94	0.0	0.0	1.91
8690.00	6390.00	0.0	0.0	252.90	1750.00	258.56	223.93	258.76	432.22	0.0	0.0	5.34
8740.00	50.00	0.0	0.0	253.70	1750.00	259.04	85.24	259.99	112.66	0.0	0.0	7.82
8750.00	10.00	278.90	278.40	253.70	1750.00	259.75	137.03	260.26	121.00	0.0	0.0	5.72
8800.00	50.00	0.0	0.0	254.90	1750.00	260.56	225.19	260.76	432.91	0.0	0.0	5.32
9375.00	575.00	0.0	0.0	255.40	1750.00	262.25	448.13	262.33	524.65	0.0	0.0	3.16
9425.00	50.00	0.0	0.0	257.00	1750.00	262.39	184.17	262.97	62.52	0.0	0.0	6.11
9450.00	25.00	266.00	263.80	257.00	1750.00	262.42	185.96	262.99	62.57	0.0	0.0	6.07
9500.00	50.00	0.0	0.0	257.80	1750.00	262.93	154.11	263.52	267.73	0.0	0.0	7.43
13100.00	3600.00	0.0	0.0	271.00	1350.00	279.62	308.26	279.75	223.77	0.0	0.0	3.71
13150.00	50.00	0.0	0.0	271.80	1350.00	279.52	177.02	280.01	31.00	0.0	0.0	5.64
13250.00	100.00	281.10	271.80	271.80	1350.00	280.08	195.72	280.51	31.00	0.0	0.0	5.26
13300.00	50.00	0.0	0.0	271.10	1350.00	280.57	436.43	280.64	321.24	0.0	0.0	2.83
19979.00	6679.00	0.0	0.0	303.00	1350.00	306.16	74.05	306.92	153.69	0.0	0.0	9.09
20029.00	50.00	0.0	0.0	303.50	1350.00	307.33	163.73	307.61	104.36	0.0	0.0	4.23
20050.00	21.00	322.70	322.00	303.50	1350.00	307.34	164.52	307.62	104.37	0.0	0.0	4.22
20075.00	25.00	0.0	0.0	303.60	1350.00	307.52	171.20	307.78	104.49	0.0	0.0	4.12
20100.00	25.00	0.0	0.0	306.00	1350.00	311.93	58.17	314.57	20.00	0.0	0.0	13.02
20150.00	50.00	320.40	306.50	306.00	1350.00	322.64	280.12	322.74	125.00	0.0	0.0	2.63
20200.00	50.00	0.0	0.0	303.80	1350.00	322.75	7508.04	322.75	747.98	0.0	0.0	0.31
26474.00	6374.00	0.0	0.0	335.00	1350.00	339.85	89.88	340.42	236.07	0.0	0.0	8.49
26524.00	50.00	0.0	0.0	335.00	1350.00	340.55	101.38	341.54	37.00	0.0	0.0	8.02
26550.00	26.00	341.10	340.60	335.00	1350.00	341.09	120.40	341.89	37.00	0.0	0.0	7.16
26600.00	50.00	0.0	0.0	335.50	1350.00	341.98	290.72	342.05	301.20	0.0	0.0	3.33
28400.00	1800.00	0.0	0.0	339.40	450.00	344.73	174.97	344.74	318.44	0.0	0.0	1.58
31458.00	3058.00	0.0	0.0	381.50	450.00	384.23	17.04	384.62	109.57	0.0	0.0	8.57

31508.00 50.00 0.0 0.0 381.80 450.00 385.43 52.35 385.49 208.78 0.0 0.0 3.47

31550.00 42.00 387.80 384.70 381.80 450.00 389.06 632.92 389.06 401.21 0.0 0.0 0.48

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
31600.00	50.00	0.0	0.0	382.80	450.00	389.07	405.63	389.07	361.21	0.0	0.0	0.63

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
2300.000	1750.000	242.189	0.0	0.0	0.0	187.938	0.0	2300.000
8690.000	1750.000	258.558	0.0	16.369	0.0	432.216	0.0	6390.000
6740.000	1750.000	259.045	0.0	0.487	0.0	112.657	0.0	50.000
8750.000	1750.000	259.754	0.0	0.709	0.0	120.996	0.0	10.000
8800.000	1750.000	260.564	0.0	0.809	0.0	432.907	0.0	50.000
9375.000	1750.000	262.253	0.0	1.689	0.0	524.647	0.0	575.000
9425.000	1750.000	262.386	0.0	0.133	0.0	62.515	0.0	50.000
9450.000	1750.000	262.416	0.0	0.030	0.0	62.567	0.0	25.000
9500.000	1750.000	262.933	0.0	0.517	0.0	267.731	0.0	50.000
13100.000	1350.000	279.615	0.0	16.682	0.0	223.766	0.0	3600.000
13150.000	1350.000	279.520	0.0	-0.095	0.0	31.000	0.0	50.000
13250.000	1350.000	280.081	0.0	0.561	0.0	31.000	0.0	100.000
13300.000	1350.000	280.565	0.0	0.485	0.0	321.243	0.0	50.000
19979.000	1350.000	306.158	0.0	25.593	0.0	153.685	0.0	6679.000
20029.000	1350.000	307.333	0.0	1.175	0.0	104.360	0.0	50.000
20050.000	1350.000	307.342	0.0	0.009	0.0	104.374	0.0	21.000
20075.000	1350.000	307.518	0.0	0.176	0.0	104.486	0.0	25.000
20100.000	1350.000	311.935	0.0	4.417	0.0	20.000	0.0	25.000
20150.000	1350.000	322.636	0.0	10.701	0.0	125.000	0.0	50.000
20200.000	1350.000	322.754	0.0	0.118	0.0	747.982	0.0	50.000
26474.000	1350.000	339.852	0.0	17.098	0.0	236.067	0.0	6374.000
26524.000	1350.000	340.546	0.0	0.695	0.0	37.000	0.0	50.000
26550.000	1350.000	341.089	0.0	0.543	0.0	37.000	0.0	26.000
26600.000	1350.000	341.979	0.0	0.890	0.0	301.200	0.0	50.000
28400.000	450.000	344.729	0.0	2.749	0.0	318.438	0.0	1800.000
31458.000	450.000	384.227	0.0	39.499	0.0	109.566	0.0	3058.000
31508.000	450.000	385.431	0.0	1.204	0.0	208.782	0.0	50.000

31550.000 450.000 389.063 0.0 3.631 0.0 401.208 0.0 42.000

31600.000 450.000 389.065 0.0 0.003 0.0 361.209 0.0 50.000

DATA FOR LAST CROSS SECTION

PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH
AREA-ACRES AREA-DIFF

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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

T1 IRIB. 19 BASIN 22
 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	FQ
	-10.	3.	0.	0.	0.001400	0.0	0.5	0.	243.000	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	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	ENUST

2300.00	12.02	244.12	0.0	243.00	244.18	0.06	0.0	0.0	242.90
3350.	2719.	295.	335.	1325.	120.	459.	0.	0.	243.00
0.0	2.05	2.47	0.73	0.085	0.060	0.085	0.0	232.10	1015.97
0.001398	2300.	2300.	2300.	0	0	5	0.0	846.85	1862.82

8690.00	6.75	259.65	0.0	0.0	259.84	0.19	15.62	0.04	256.20
3350.	799.	835.	1716.	348.	147.	736.	230.	101.	255.50
0.56	2.30	5.69	2.33	0.085	0.060	0.085	0.060	252.90	197.29
0.005324	6390.	6390.	6390.	5	0	1	0.0	525.56	722.86

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	ENUST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 276.40 ELREA= 278.40

8740.00	6.47	260.17	260.17	0.0	261.54	1.37	0.56	0.0	278.90
3350.	0.	3350.	0.	0.	357.	0.	231.	101.	280.90
0.56	0.0	9.38	0.0	0.085	0.060	0.085	0.060	253.70	237.83
0.53	0.0	10.70	0.0	0.085	0.060	0.085	0.060	253.70	236.48

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

I1 TRIB. 19 BASIN 22
 I2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 I3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	ICIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.001400	0.0	0.5	0.	244.000	0.0

J2	NPROF	IPL0T	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	CRIWS	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
2300.00	12.78	244.88	0.0	244.00	244.94	0.06	0.0	0.0	242.90
4600.	3429.	377.	793.	1631.	138.	800.	0.	0.	243.00
0.0	2.10	2.73	0.99	0.085	0.060	0.085	0.0	232.10	1010.65
0.001421	2300.	2300.	2300.	0	0	4	0.0	896.45	1907.10

8690.00	7.38	260.28	0.0	0.0	260.48	0.19	15.50	0.04	256.20
4600.	1169.	958.	2473.	464.	162.	958.	305.	109.	255.50
0.54	2.52	5.91	2.58	0.085	0.060	0.085	0.060	252.90	162.04
0.005042	6390.	6390.	6390.	5	0	1	0.0	587.25	749.29

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 276.40 ELREA= 278.40

8740.00	7.06	260.76	260.76	0.0	262.53	1.78	0.54	0.0	278.90
4600.	0.	4600.	0.	0.	430.	0.	306.	109.	280.90
0.55	0.0	10.70	0.0	0.085	0.060	0.085	0.060	253.70	236.48

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

I1 IRIB. 19 BASIN 22
 I2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 I3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.001400	0.0	0.5	0.	245.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	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
2300.00	14.30	246.40	0.0	245.00	246.47	0.07	0.0	0.0	242.90
7900.	5137.	555.	2209.	2255.	174.	1540.	0.	0.	243.00
0.0	2.28	3.18	1.43	0.085	0.060	0.085	0.0	232.10	1000.03
0.001406	2300.	2300.	2300.	0	0	4	0.0	946.03	1946.06
8690.00	8.63	261.53	0.0	0.0	261.75	0.22	15.24	0.05	256.20
7900.	2200.	1253.	4447.	756.	192.	1444.	467.	121.	255.50
0.50	2.91	6.52	3.08	0.085	0.060	0.085	0.060	252.90	98.97
0.004902	6390.	6390.	6390.	5	0	1	0.0	701.95	800.92

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 276.40 ELREA= 278.40

8740.00	8.62	262.32	262.32	0.0	264.73	2.41	0.51	0.0	278.90
7900.	0.	7900.	0.	0.	635.	0.	468.	121.	280.90
0.50	0.0	12.45	0.0	0.085	0.060	0.085	0.060	253.70	232.78

5280 CROSS SECTION 8740.00 EXTENDED 49837.13 FEET

 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, 19 BASIN 22
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO,6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-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= 465.52 WSEL= 242.19 ENC Q1= 465.52 WSEL= 243.19 RATIO= 0.0
 NAT Q1= 626. RATIOS LOB,CH,ROB= 0.8940 0.0895 0.0164 WSEL= 243.19
 2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
 3280 CROSS SECTION 2300.00 EXTENDED 49869.63 FEET

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	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	1CONT	CORAR	TOPWID	ENUST

3470 ENCKOACHMENT STATIONS= 1072.3 1440.0 TYPE= 4 TARGET= 0.257
 2300.00 49883.93 50116.03 0.0 242.19 50116.03 0.00 0.0 0.0 242.90
 4600. 4219. 381. 0.17142496. 1197045. 37. 0. 0. 243.00
 0.0 0.00 0.00 0.00 0.085 0.060 0.085 0.0 232.10 1072.29
 0.000000 2300. 2300. 2300. 0 0 1 0.0 367.71 1440.00

2800 NAT Q1= 223.93 WSEL= 258.56 ENC Q1= 223.93 WSEL= 259.56 RATIO= -0.0000
 NAT Q1= 435. RATIOS LOB,CH,ROB= 0.2365 0.2564 0.5071 WSEL= 259.56
 3280 CROSS SECTION 8690.00 EXTENDED 49844.13 FEET

3470 ENCKOACHMENT STATIONS= 362.0 494.7 TYPE= 4 TARGET= 0.486
 8690.00 49863.13 50116.03 0.0 258.56 50116.03 0.00 0.00 0.00 256.20
 4600. 0. 1046. 3554. 30. 1196699. 5421487. 1830580. 37. 255.50
 2516.97 0.00 0.00 0.00 0.085 0.060 0.085 0.060 252.90 362.00
 0.000000 6390. 6390. 6390. 18 0 1 0.0 132.74 494.74

2800 NAT Q1= 85.24 WSEL= 259.04 ENC Q1= 162.95 WSEL= 260.04 RATIO= -0.9117
 NAT Q1= 163. RATIOS LOB,CH,ROB= 0.0 1.0000 0.0 WSEL= 260.04
 3685 20 TRIALS USED WSEL,CWSEL
 3280 CROSS SECTION 8740.00 EXTENDED 49837.13 FEET

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

Station No.

Stream Bed

W.S. profiles

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX FL OF LOW CHORD	MIN FL OF GROUND	DISCHARGE (CFS)	CWSCL	TW	LG	TOPWID	STENCL	STENCR	VCH
2300.00	2300.00	0.0	0.0	232.10	1750.00	242.19	465.52	242.25	187.94	0.0	0.0	1.91
2300.00	2300.00	0.0	0.0	232.10	3350.00	244.12	896.02	244.18	846.85	0.0	0.0	2.47
2300.00	2300.00	0.0	0.0	232.10	4600.00	244.88	1220.33	244.94	896.45	0.0	0.0	2.73
2300.00	2300.00	0.0	0.0	232.10	7900.00	246.40	2106.84	246.47	946.03	0.0	0.0	3.18
2300.00	2300.00	0.0	0.0	232.10	4600.00	50116.03*****	50116.03	367.71	1072.29	1440.00	0.00	0.00
8690.00	6390.00	0.0	0.0	252.90	1750.00	258.56	223.93	258.76	432.22	0.0	0.0	5.34
8690.00	6390.00	0.0	0.0	252.90	3350.00	259.65	459.13	259.84	525.56	0.0	0.0	5.69
8690.00	6390.00	0.0	0.0	252.90	4600.00	260.28	647.81	260.48	587.25	0.0	0.0	5.91
8690.00	6390.00	0.0	0.0	252.90	7900.00	261.53	1128.36	261.75	701.95	0.0	0.0	6.52
8690.00	6390.00	0.0	0.0	252.90	4600.00	50116.03*****	50116.03	132.74	362.00	494.74	0.00	0.00
8740.00	50.00	0.0	0.0	253.70	1750.00	259.04	85.24	259.99	112.66	0.0	0.0	7.82
8740.00	50.00	0.0	0.0	253.70	3350.00	260.17	174.97	261.54	123.26	0.0	0.0	9.38
8740.00	50.00	0.0	0.0	253.70	4600.00	260.76	234.36	262.53	126.42	0.0	0.0	10.70
8740.00	50.00	0.0	0.0	253.70	7900.00	262.32	428.90	264.73	135.00	0.0	0.0	12.45
8740.00	50.00	0.0	0.0	253.70	4600.00	50116.03*****	50116.03	200.00	200.00	400.00	0.00	0.00
8750.00	10.00	278.90	278.40	253.70	1750.00	259.75	157.03	260.26	121.00	0.0	0.0	5.72
8750.00	10.00	278.90	278.40	253.70	3350.00	261.33	300.21	262.02	129.55	0.0	0.0	6.65
8750.00	10.00	278.90	278.40	253.70	4600.00	262.49	452.48	263.25	135.91	0.0	0.0	7.00
8750.00	10.00	278.90	278.40	253.70	7900.00	264.87	853.57	265.85	147.80	0.0	0.0	7.93
8750.00	10.00	278.90	278.40	253.70	4600.00	260.75	234.12	50116.03	126.41	0.0	0.0	10.70
8800.00	50.00	0.0	0.0	254.90	1750.00	260.56	225.19	260.76	432.91	0.0	0.0	5.32
8800.00	50.00	0.0	0.0	254.90	3350.00	262.05	575.90	262.17	565.08	0.0	0.0	4.73
8800.00	50.00	0.0	0.0	254.90	4600.00	263.29	1024.88	263.38	685.52	0.0	0.0	4.10
8800.00	50.00	0.0	0.0	254.90	7900.00	265.91	2492.97	265.98	792.89	0.0	0.0	3.51
8800.00	50.00	0.0	0.0	254.90	4600.00	50116.20*****	50116.20	133.43	362.00	495.43	0.00	0.00
9375.00	575.00	0.0	0.0	255.40	1750.00	262.25	448.13	262.33	524.65	0.0	0.0	3.16
9375.00	575.00	0.0	0.0	255.40	3350.00	263.43	811.48	263.52	641.76	0.0	0.0	3.74
9375.00	575.00	0.0	0.0	255.40	4600.00	264.30	1171.54	264.39	721.55	0.0	0.0	3.83
9375.00	575.00	0.0	0.0	255.40	7900.00	266.49	2449.80	266.57	900.40	0.0	0.0	3.67
9375.00	575.00	0.0	0.0	255.40	4600.00	50116.20*****	50116.20	157.92	524.41	682.34	0.00	0.00
9425.00	50.00	0.0	0.0	257.00	1750.00	262.39	184.17	262.97	62.52	0.0	0.0	6.11
9425.00	50.00	0.0	0.0	257.00	3350.00	262.25	175.89	264.51	62.27	0.0	0.0	12.06
9425.00	50.00	0.0	0.0	257.00	4600.00	263.34	246.25	266.07	64.22	0.0	0.0	13.27
9425.00	50.00	0.0	0.0	257.00	7900.00	267.83	743.89	269.39	521.10	0.0	0.0	10.68
9425.00	50.00	0.0	0.0	257.00	4600.00	50116.20*****	50116.20	69.00	731.00	800.00	0.00	0.00
9450.00	25.00	0.0	0.0	257.00	1750.00	262.42	185.96	262.99	62.57	0.0	0.0	6.07
9450.00	25.00	0.0	0.0	257.00	3350.00	262.59	196.64	264.54	62.88	0.0	0.0	11.21
9450.00	25.00	0.0	0.0	257.00	4600.00	264.62	340.64	266.39	66.52	0.0	0.0	10.70
9450.00	25.00	0.0	0.0	257.00	7900.00	267.96	718.47	269.39	549.44	0.0	0.0	10.31
9450.00	25.00	0.0	0.0	257.00	4600.00	50116.23*****	50116.23	69.00	731.00	800.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
9500.00	50.00	0.0	0.0	257.80	1750.00	262.93	154.11	263.52	267.73	0.0	0.0	7.43
9500.00	50.00	0.0	0.0	257.80	3350.00	264.66	452.49	264.92	526.75	0.0	0.0	6.00
9500.00	50.00	0.0	0.0	257.80	4600.00	266.54	1100.87	266.64	710.48	0.0	0.0	4.02
9500.00	50.00	0.0	0.0	257.80	7900.00	269.52	2917.24	269.57	957.78	0.0	0.0	3.20
9500.00	50.00	0.0	0.0	257.80	4600.00	50116.23*****	50116.23	55.71	565.44	621.14	0.00	0.00
13100.00	3600.00	0.0	0.0	271.00	1350.00	279.62	308.26	279.75	225.77	0.0	0.0	3.71
13100.00	3600.00	0.0	0.0	271.00	2600.00	280.51	444.35	280.77	340.23	0.0	0.0	5.38
13100.00	3600.00	0.0	0.0	271.00	3500.00	281.23	594.59	281.48	767.73	0.0	0.0	5.74
13100.00	3600.00	0.0	0.0	271.00	6300.00	280.87	511.36	282.00	487.29	0.0	0.0	11.67
13100.00	3600.00	0.0	0.0	271.00	3500.00	50116.23*****	50116.23	87.11	674.88	761.99	0.00	0.00
13150.00	50.00	0.0	0.0	271.80	1350.00	279.52	177.02	280.01	31.00	0.0	0.0	5.64
13150.00	50.00	0.0	0.0	271.80	2600.00	280.95	225.81	282.25	31.00	0.0	0.0	9.16
13150.00	50.00	0.0	0.0	271.80	3500.00	282.31	381.67	283.04	744.63	0.0	0.0	7.91
13150.00	50.00	0.0	0.0	271.80	6300.00	283.13	618.20	283.86	897.03	0.0	0.0	9.23
13150.00	50.00	0.0	0.0	271.80	3500.00	50116.23*****	50116.23	31.00	954.00	985.00	9.00	9.00
13250.00	100.00	0.0	0.0	271.80	1350.00	280.08	195.72	280.51	31.00	0.0	0.0	5.26
13250.00	100.00	0.0	0.0	271.80	2600.00	280.95	225.29	282.25	31.00	0.0	0.0	9.17
13250.00	100.00	0.0	0.0	271.80	3500.00	282.46	417.47	283.04	774.08	0.0	0.0	7.30
13250.00	100.00	0.0	0.0	271.80	6300.00	283.20	646.12	283.86	908.26	0.0	0.0	8.87
13250.00	100.00	0.0	0.0	271.80	3500.00	50116.79*****	50116.79	31.00	954.00	985.00	0.00	0.00
13300.00	50.00	0.0	0.0	271.10	1350.00	280.57	436.43	280.64	321.24	0.0	0.0	2.83
13300.00	50.00	0.0	0.0	271.10	2600.00	282.39	967.98	282.44	833.67	0.0	0.0	2.83
13300.00	50.00	0.0	0.0	271.10	3500.00	283.10	1311.18	283.15	880.51	0.0	0.0	2.95
13300.00	50.00	0.0	0.0	271.10	6300.00	283.93	1790.23	284.02	934.67	0.0	0.0	4.10
13300.00	50.00	0.0	0.0	271.10	3500.00	50116.79*****	50116.79	110.33	665.27	775.60	0.00	0.00
19979.00	6679.00	0.0	0.0	303.00	1350.00	306.16	74.05	306.92	153.69	0.0	0.0	9.09
19979.00	6679.00	0.0	0.0	303.00	2600.00	307.02	139.01	308.06	185.79	0.0	0.0	11.10
19979.00	6679.00	0.0	0.0	303.00	3500.00	307.52	186.28	308.70	204.08	0.0	0.0	12.11
19979.00	6679.00	0.0	0.0	303.00	6300.00	311.37	905.92	311.67	404.67	0.0	0.0	6.88
19979.00	6679.00	0.0	0.0	303.00	3500.00	50116.79*****	50116.79	41.63	558.38	600.00	0.00	0.00
20029.00	50.00	0.0	0.0	303.50	1350.00	307.33	163.73	307.61	104.36	0.0	0.0	4.23
20029.00	50.00	0.0	0.0	303.50	2600.00	308.37	262.25	308.94	106.22	0.0	0.0	6.08
20029.00	50.00	0.0	0.0	303.50	3500.00	308.88	317.07	309.70	107.44	0.0	0.0	7.26
20029.00	50.00	0.0	0.0	303.50	6300.00	313.71	1027.59	314.30	114.58	0.0	0.0	6.18
20029.00	50.00	0.0	0.0	303.50	3500.00	50116.79*****	50116.79	129.00	200.00	329.00	0.00	0.00
20050.00	21.00	322.70	322.00	303.50	1350.00	307.34	164.52	307.62	104.37	0.0	0.0	4.22
20050.00	21.00	322.70	322.00	303.50	2600.00	308.39	265.21	308.96	106.29	0.0	0.0	6.04
20050.00	21.00	322.70	322.00	303.50	3500.00	308.93	322.82	309.73	107.56	0.0	0.0	7.18
20050.00	21.00	322.70	322.00	303.50	6300.00	313.73	1031.51	314.32	114.64	0.0	0.0	6.16
20050.00	21.00	322.70	322.00	303.50	3500.00	308.34	259.80	50116.79	106.16	0.0	0.0	8.24

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
20075.00	25.00	0.0	0.0	303.60	1350.00	307.52	171.20	307.78	104.49	0.0	0.0	4.12
20075.00	25.00	0.0	0.0	303.60	2600.00	308.67	283.81	309.19	106.71	0.0	0.0	5.79
20075.00	25.00	0.0	0.0	303.60	3500.00	309.29	353.56	310.00	108.21	0.0	0.0	6.78
20075.00	25.00	0.0	0.0	303.60	6300.00	313.82	1031.51	314.41	114.64	0.0	0.0	6.16
20075.00	25.00	0.0	0.0	303.60	3500.00	50116.89	*****	50116.89	129.00	200.00	329.00	0.00
20100.00	25.00	0.0	0.0	306.00	1350.00	311.93	58.17	314.57	20.00	0.0	0.0	13.02
20100.00	25.00	0.0	0.0	306.00	2600.00	314.79	107.72	318.85	20.00	0.0	0.0	16.17
20100.00	25.00	0.0	0.0	306.00	3500.00	316.57	141.20	321.50	20.00	0.0	0.0	17.83
20100.00	25.00	0.0	0.0	306.00	6300.00	322.80	298.19	324.97	125.00	0.0	0.0	11.83
20100.00	25.00	0.0	0.0	306.00	3500.00	50116.89	*****	50116.89	125.00	345.00	470.00	0.00
20150.00	50.00	0.0	0.0	306.00	1350.00	322.64	280.12	322.74	125.00	0.0	0.0	2.63
20150.00	50.00	0.0	0.0	306.00	2600.00	323.06	329.18	323.39	125.00	0.0	0.0	4.59
20150.00	50.00	0.0	0.0	306.00	3500.00	323.24	350.01	323.79	125.00	0.0	0.0	5.96
20150.00	50.00	0.0	0.0	306.00	6300.00	324.62	805.03	324.97	472.00	0.0	0.0	5.50
20150.00	50.00	0.0	0.0	306.00	3500.00	50127.59	*****	50127.59	125.00	345.00	470.00	0.00
20200.00	50.00	0.0	0.0	303.80	1350.00	322.75	7508.04	322.75	747.98	0.0	0.0	0.31
20200.00	50.00	0.0	0.0	303.80	2600.00	323.42	8190.11	323.42	765.55	0.0	0.0	0.56
20200.00	50.00	0.0	0.0	303.80	3500.00	323.84	8638.38	323.84	776.65	0.0	0.0	0.73
20200.00	50.00	0.0	0.0	303.80	6300.00	325.00	9952.87	325.01	786.80	0.0	0.0	1.18
20200.00	50.00	0.0	0.0	303.80	3500.00	50127.59	*****	50127.59	457.13	234.58	691.70	0.00
26474.00	6374.00	0.0	0.0	335.00	1350.00	339.85	89.88	340.42	236.07	0.0	0.0	8.49
26474.00	6374.00	0.0	0.0	335.00	2600.00	340.53	157.44	341.27	274.17	0.0	0.0	10.42
26474.00	6374.00	0.0	0.0	335.00	3500.00	340.81	192.00	341.75	284.66	0.0	0.0	11.97
26474.00	6374.00	0.0	0.0	335.00	6300.00	341.81	347.23	342.95	307.66	0.0	0.0	13.52
26474.00	6374.00	0.0	0.0	335.00	3500.00	50127.59	*****	50127.59	58.29	259.00	317.29	0.00
26524.00	50.00	0.0	0.0	335.00	1350.00	340.55	101.38	341.54	37.00	0.0	0.0	8.02
26524.00	50.00	0.0	0.0	335.00	2600.00	344.60	588.55	344.72	549.29	0.0	0.0	3.88
26524.00	50.00	0.0	0.0	335.00	3500.00	343.33	307.32	344.23	416.16	0.0	0.0	8.99
26524.00	50.00	0.0	0.0	335.00	6300.00	344.25	497.20	345.29	512.42	0.0	0.0	10.81
26524.00	50.00	0.0	0.0	335.00	3500.00	50127.59	*****	50127.59	37.00	1100.00	1137.00	0.00
26550.00	26.00	0.0	0.0	335.00	1350.00	341.09	120.40	341.89	37.00	0.0	0.0	7.16
26550.00	26.00	0.0	0.0	335.00	2600.00	344.63	598.73	344.75	553.14	0.0	0.0	3.82
26550.00	26.00	0.0	0.0	335.00	3500.00	343.50	337.21	344.23	433.90	0.0	0.0	8.32
26550.00	26.00	0.0	0.0	335.00	6300.00	344.43	545.00	345.29	532.24	0.0	0.0	10.01
26550.00	26.00	0.0	0.0	335.00	3500.00	50128.13	*****	50128.13	37.00	1100.00	1137.00	0.00
26600.00	50.00	0.0	0.0	335.50	1350.00	341.96	290.72	342.05	301.20	0.0	0.0	3.33
26600.00	50.00	0.0	0.0	335.50	2600.00	344.78	932.40	344.82	357.34	0.0	0.0	2.63
26600.00	50.00	0.0	0.0	335.50	3500.00	344.29	796.01	344.39	348.60	0.0	0.0	3.99
26600.00	50.00	0.0	0.0	335.50	6300.00	345.32	1098.71	345.53	367.19	0.0	0.0	5.65
26600.00	50.00	0.0	0.0	335.50	3500.00	50128.13	*****	50128.13	125.67	259.00	384.67	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
28400.00	1800.00	0.0	0.0	339.40	450.00	344.73	174.97	344.74	318.44	0.0	0.0	1.58
28400.00	1800.00	0.0	0.0	339.40	950.00	346.07	408.39	346.08	343.20	0.0	0.0	1.71
28400.00	1800.00	0.0	0.0	339.40	1550.00	346.81	576.40	346.84	391.00	0.0	0.0	2.15
28400.00	1800.00	0.0	0.0	339.40	3150.00	348.69	1146.63	348.73	433.39	0.0	0.0	2.61
28400.00	1800.00	0.0	0.0	339.40	1550.00	50128.13*****		50128.13	120.14	1369.20	1489.34	0.00
31458.00	3058.00	0.0	0.0	381.50	450.00	384.23	17.04	384.62	109.57	0.0	0.0	8.57
31458.00	3058.00	0.0	0.0	381.50	950.00	384.80	38.17	385.28	171.73	0.0	0.0	9.18
31458.00	3058.00	0.0	0.0	381.50	1550.00	385.21	60.78	385.81	217.00	0.0	0.0	10.18
31458.00	3058.00	0.0	0.0	381.50	3150.00	386.05	134.42	386.75	306.59	0.0	0.0	10.73
31458.00	3058.00	0.0	0.0	381.50	1550.00	50128.13*****		50128.13	30.19	532.00	562.19	0.00
31508.00	50.00	0.0	0.0	381.80	450.00	385.43	52.35	385.49	208.78	0.0	0.0	3.47
31508.00	50.00	0.0	0.0	381.80	950.00	386.11	104.95	386.20	281.10	0.0	0.0	4.17
31508.00	50.00	0.0	0.0	381.80	1550.00	386.67	167.02	386.78	319.35	0.0	0.0	4.68
31508.00	50.00	0.0	0.0	381.80	3150.00	387.59	311.04	387.80	347.34	0.0	0.0	5.82
31508.00	50.00	0.0	0.0	381.80	1550.00	50128.13*****		50128.13	52.31	532.00	584.31	0.00
31550.00	42.00	0.0	0.0	381.80	450.00	389.06	632.92	389.06	401.21	0.0	0.0	0.48
31550.00	42.00	0.0	0.0	381.80	950.00	389.60	785.35	389.61	442.06	0.0	0.0	0.86
31550.00	42.00	0.0	0.0	381.80	1550.00	390.08	935.96	390.10	475.93	0.0	0.0	1.23
31550.00	42.00	0.0	0.0	381.80	3150.00	390.99	1261.04	391.02	525.43	0.0	0.0	2.00
31550.00	42.00	0.0	0.0	381.80	1550.00	50131.76*****		50131.76	195.61	496.58	692.19	0.00
31600.00	50.00	0.0	0.0	382.80	450.00	389.07	405.63	389.07	361.21	0.0	0.0	0.63
31600.00	50.00	0.0	0.0	382.80	950.00	389.61	525.81	389.62	378.58	0.0	0.0	1.08
31600.00	50.00	0.0	0.0	382.80	1550.00	390.10	649.11	390.12	403.81	0.0	0.0	1.50
31600.00	50.00	0.0	0.0	382.80	3150.00	391.02	922.13	391.07	478.94	0.0	0.0	2.32
31600.00	50.00	0.0	0.0	382.80	1550.00	50131.76*****		50131.76	166.03	510.71	676.73	0.00
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
2300.000	1750.000	242.189	0.0	0.0	0.0	187.938	0.0	2300.000				
2300.000	3350.000	244.117	1.928	0.0	0.0	846.852	-658.914	2300.000				
2300.000	4600.000	244.877	0.760	0.0	0.0	396.448	-708.510	2300.000				
2300.000	7900.000	246.396	1.519	0.0	0.0	946.029	-758.091	2300.000				
2300.000	4600.000	50116.027	49869.630	0.0	0.0	367.710	-179.772	2300.000				
8690.000	1750.000	258.558	0.0	16.369	0.0	432.216	0.0	6390.000				
8690.000	3350.000	259.648	1.090	15.532	0.0	525.564	-93.348	6390.000				
8690.000	4600.000	260.283	0.635	15.406	0.0	587.253	-155.037	6390.000				
8690.000	7900.000	261.530	1.248	15.134	0.0	701.953	-269.737	6390.000				
8690.000	4600.000	50116.027	49854.500	0.0	0.0	132.737	299.479	6390.000				
8740.000	1750.000	259.045	0.0	0.487	0.0	112.657	0.0	50.000				
8740.000	3350.000	260.172	1.127	0.524	0.0	123.261	-10.604	50.000				
8740.000	4600.000	260.756	0.584	0.473	0.0	126.424	-13.767	50.000				
8740.000	7900.000	262.323	1.567	0.792	0.0	134.998	-22.341	50.000				
8740.000	4600.000	50116.027	49853.700	0.0	0.0	200.002	-87.345	50.000				
8750.000	1750.000	259.754	0.0	0.709	0.0	120.996	0.0	10.000				
8750.000	3350.000	261.333	1.579	1.161	0.0	129.553	-8.557	10.000				
8750.000	4600.000	262.489	1.156	1.733	0.0	135.915	-14.919	10.000				
8750.000	7900.000	264.869	2.380	2.546	0.0	147.796	-26.800	10.000				
8750.000	4600.000	260.754	-4.115	-49855.270	0.0	126.412	-5.416	10.000				
8800.000	1750.000	260.564	0.0	0.809	0.0	432.907	0.0	50.000				
8800.000	3350.000	262.047	1.484	0.714	0.0	565.084	-132.177	50.000				

	8800.000	4600.000	263.290	1.243	0.801	0.0	685.524	-252.617	50.000
	8800.000	7900.000	265.910	2.620	1.041	0.0	792.894	-359.987	50.000
	8800.000	4600.000	50116.199	49850.290	49855.440	0.0	133.428	299.479	50.000
	9375.000	1750.000	262.253	0.0	1.689	0.0	524.647	0.0	575.000
	9375.000	3350.000	263.431	1.178	1.384	0.0	641.760	-117.113	575.000
1	9375.000	4600.000	264.303	0.872	1.013	0.0	721.551	-196.904	575.000
2	9375.000	7900.000	266.492	2.189	0.582	0.0	900.396	-375.749	575.000
3	9375.000	4600.000	50116.199	49849.700	0.0	0.0	157.923	366.724	575.000
4									
5	9425.000	1750.000	262.386	0.0	0.133	0.0	62.515	0.0	50.000
6	9425.000	3350.000	262.252	-0.134	-1.179	0.0	62.273	0.242	50.000
7	9425.000	4600.000	263.338	1.086	-0.965	0.0	64.223	-1.708	50.000
8	9425.000	7900.000	267.829	4.491	1.337	0.0	521.099	-458.583	50.000
9	9425.000	4600.000	50116.199	49848.370	0.0	0.0	69.002	-6.487	50.000
10									
11	9450.000	1750.000	262.416	0.0	0.030	0.0	62.567	0.0	25.000
12	9450.000	3350.000	262.587	0.171	0.336	0.0	62.876	-0.309	25.000
13	9450.000	4600.000	264.615	2.028	1.277	0.0	66.517	-3.950	25.000
14	9450.000	7900.000	267.964	3.349	0.135	0.0	549.438	-486.871	25.000
15	9450.000	4600.000	50116.227	49848.260	0.030	0.0	69.002	-6.435	25.000
16									
17	9500.000	1750.000	262.933	0.0	0.517	0.0	267.731	0.0	50.000
18	9500.000	3350.000	264.661	1.728	2.073	0.0	526.752	-259.021	50.000
19	9500.000	4600.000	266.540	1.879	1.925	0.0	710.478	-442.747	50.000
20	9500.000	7900.000	269.516	2.976	1.551	0.0	957.783	-690.052	50.000
21	9500.000	4600.000	50116.227	49846.710	0.0	0.0	55.705	212.026	50.000
22									
23	13100.000	1350.000	279.615	0.0	16.682	0.0	223.766	0.0	3600.000
24	13100.000	2600.000	280.511	0.896	15.850	0.0	340.228	-116.462	3600.000
25	13100.000	3500.000	281.226	0.714	14.686	0.0	767.732	-543.966	3600.000
26	13100.000	6300.000	280.866	-0.359	11.351	0.0	487.292	-263.526	3600.000
27	13100.000	3500.000	50116.227	49835.360	0.0	0.0	87.108	136.658	3600.000
28									
29	13150.000	1350.000	279.520	0.0	-0.095	0.0	31.000	0.0	50.000
30	13150.000	2600.000	280.952	1.432	0.441	0.0	31.000	0.000	50.000
31	13150.000	3500.000	282.314	1.362	1.089	0.0	744.634	-713.634	50.000
32	13150.000	6300.000	283.131	0.817	2.264	0.0	897.026	-866.026	50.000
33	13150.000	3500.000	50116.227	49833.090	0.0	0.0	31.002	-0.002	50.000
34									
35	13250.000	1350.000	280.081	0.0	0.561	0.0	31.000	0.0	100.000
36	13250.000	2600.000	280.948	0.867	-0.004	0.0	31.000	0.000	100.000
37	13250.000	3500.000	282.457	1.509	0.143	0.0	774.077	-743.077	100.000
38	13250.000	6300.000	283.203	0.746	0.072	0.0	908.258	-877.258	100.000
39	13250.000	3500.000	50116.789	49833.580	0.560	0.0	31.002	-0.002	100.000
40									
41	13300.000	1350.000	280.565	0.0	0.485	0.0	321.243	0.0	50.000
42	13300.000	2600.000	282.390	1.824	1.442	0.0	833.674	-512.431	50.000
43	13300.000	3500.000	283.104	0.715	0.648	0.0	880.514	-559.271	50.000
44	13300.000	6300.000	283.931	0.826	0.728	0.0	934.674	-613.431	50.000
45	13300.000	3500.000	50116.789	49832.850	0.0	0.0	110.329	210.914	50.000
46									
47	19979.000	1350.000	306.158	0.0	25.593	0.0	153.685	0.0	6679.000
48	19979.000	2600.000	307.025	0.866	24.635	0.0	185.786	-32.101	6679.000
49	19979.000	3500.000	307.519	0.494	24.414	0.0	204.083	-50.398	6679.000
50	19979.000	6300.000	311.370	3.851	27.439	0.0	404.669	-250.984	6679.000
51	19979.000	3500.000	50116.789	49805.420	0.0	0.0	41.625	112.060	6679.000
52									
53	20029.000	1350.000	307.333	0.0	1.175	0.0	104.360	0.0	50.000
54	20029.000	2600.000	308.369	1.035	1.344	0.0	106.219	-1.859	50.000
55	20029.000	3500.000	308.882	0.513	1.363	0.0	107.440	-3.080	50.000
56	20029.000	6300.000	313.711	4.829	2.342	0.0	114.585	-10.225	50.000
57	20029.000	3500.000	50116.789	49803.070	0.0	0.0	129.002	-24.642	50.000
	20050.000	1350.000	307.342	0.0	0.009	0.0	104.374	0.0	21.000
	20050.000	2600.000	308.394	1.052	0.025	0.0	106.287	-1.914	21.000

20050.000	3500.000	308.926	0.532	0.044	0.0	107.563	-3.189	21.000
20050.000	6300.000	313.728	4.802	0.016	0.0	114.636	-10.262	21.000
20050.000	3500.000	308.342	-5.386	-49808.440	0.0	106.162	-1.788	21.000
20075.000	1350.000	307.518	0.0	0.176	0.0	104.486	0.0	25.000
20075.000	2600.000	308.669	1.151	0.275	0.0	106.710	-2.224	25.000
20075.000	3500.000	309.289	0.620	0.364	0.0	108.205	-3.719	25.000
20075.000	6300.000	313.820	4.531	0.093	0.0	114.636	-10.150	25.000
20075.000	3500.000	50116.887	49803.070	49808.540	0.0	129.002	-24.516	25.000
20100.000	1350.000	311.935	0.0	4.417	0.0	20.000	0.0	25.000
20100.000	2600.000	314.788	2.854	6.119	0.0	20.000	0.0	25.000
20100.000	3500.000	316.567	1.779	7.278	0.0	20.000	0.0	25.000
20100.000	6300.000	322.796	6.228	8.975	0.0	125.000	-105.000	25.000
20100.000	3500.000	50116.887	49794.090	0.0	0.0	125.002	-105.002	25.000
20150.000	1350.000	322.636	0.0	10.701	0.0	125.000	0.0	50.000
20150.000	2600.000	323.060	0.424	8.272	0.0	125.000	0.0	50.000
20150.000	3500.000	323.236	0.176	6.668	0.0	125.000	0.0	50.000
20150.000	6300.000	324.624	1.388	1.828	0.0	472.000	-347.000	50.000
20150.000	3500.000	50127.590	49802.960	10.700	0.0	125.002	-0.002	50.000
20200.000	1350.000	322.754	0.0	0.118	0.0	747.982	0.0	50.000
20200.000	2600.000	323.420	0.666	0.360	0.0	765.550	-17.568	50.000
20200.000	3500.000	323.840	0.420	0.604	0.0	776.652	-28.670	50.000
20200.000	6300.000	325.001	1.161	0.377	0.0	786.796	-38.814	50.000
20200.000	3500.000	50127.590	49802.580	0.0	0.0	457.128	290.854	50.000
26474.000	1350.000	339.852	0.0	17.098	0.0	236.067	0.0	6374.000
26474.000	2600.000	340.534	0.683	17.114	0.0	274.170	-38.103	6374.000
26474.000	3500.000	340.811	0.276	16.970	0.0	284.661	-48.594	6374.000
26474.000	6300.000	341.811	1.000	16.809	0.0	307.661	-71.594	6374.000
26474.000	3500.000	50127.590	49785.770	0.0	0.0	58.295	177.772	6374.000
26524.000	1350.000	340.546	0.0	0.695	0.0	37.000	0.0	50.000
26524.000	2600.000	344.596	4.050	4.062	0.0	549.287	-512.287	50.000
26524.000	3500.000	343.333	-1.263	2.522	0.0	416.155	-379.155	50.000
26524.000	6300.000	344.247	0.914	2.436	0.0	512.420	-475.420	50.000
26524.000	3500.000	50127.590	49783.340	0.0	0.0	37.002	-0.002	50.000
26550.000	1350.000	341.089	0.0	0.543	0.0	37.000	0.0	26.000
26550.000	2600.000	344.633	3.545	0.037	0.0	553.141	-516.141	26.000
26550.000	3500.000	343.496	-1.137	0.164	0.0	433.901	-396.901	26.000
26550.000	6300.000	344.429	0.932	0.182	0.0	532.237	-495.237	26.000
26550.000	3500.000	50128.129	49783.700	0.540	0.0	37.002	-0.002	26.000
26600.000	1350.000	341.979	0.0	0.890	0.0	301.200	0.0	50.000
26600.000	2600.000	344.776	2.797	0.143	0.0	357.336	-56.136	50.000
26600.000	3500.000	344.292	-0.484	0.796	0.0	348.601	-47.401	50.000
26600.000	6300.000	345.322	1.030	0.893	0.0	367.190	-65.991	50.000
26600.000	3500.000	50128.129	49782.800	0.0	0.0	125.667	175.532	50.000
28400.000	450.000	344.729	0.0	2.749	0.0	318.438	0.0	1800.000
28400.000	950.000	346.067	1.339	1.291	0.0	343.203	-24.765	1800.000
28400.000	1550.000	346.809	0.742	2.517	0.0	391.000	-72.561	1800.000
28400.000	3150.000	348.689	1.880	3.367	0.0	433.386	-114.948	1800.000
28400.000	1550.000	50128.129	49779.440	0.0	0.0	120.138	198.300	1800.000
31458.000	450.000	384.227	0.0	39.499	0.0	109.566	0.0	3058.000
31458.000	950.000	384.802	0.575	38.734	0.0	171.730	-62.165	3058.000
31458.000	1550.000	385.214	0.413	38.405	0.0	216.999	-107.434	3058.000
31458.000	3150.000	386.055	0.840	37.366	0.0	306.593	-197.028	3058.000
31458.000	1550.000	50128.129	49742.070	0.0	0.0	30.193	79.373	3058.000
31508.000	450.000	385.431	0.0	1.204	0.0	208.782	0.0	50.000
31508.000	950.000	386.111	0.680	1.310	0.0	281.103	-72.321	50.000

31508.000	1550.000	386.665	0.554	1.451	0.0	319.355	-110.573	50.000
31508.000	3150.000	387.595	0.930	1.541	0.0	347.336	-138.554	50.000
31508.000	1550.000	50128.129	49740.530	0.0	0.0	52.313	156.469	50.000
31550.000	450.000	389.063	0.0	3.631	0.0	401.208	0.0	42.000
31550.000	950.000	389.603	0.541	3.492	0.0	442.055	-40.847	42.000
31550.000	1550.000	390.084	0.481	3.419	0.0	475.932	-74.724	42.000
31550.000	3150.000	390.993	0.908	3.398	0.0	525.434	-124.226	42.000
31550.000	1550.000	50131.758	49740.760	3.630	0.0	195.615	205.594	42.000
31600.000	450.000	389.065	0.0	0.003	0.0	361.209	0.0	50.000
31600.000	950.000	389.611	0.546	0.008	0.0	378.577	-17.368	50.000
31600.000	1550.000	390.099	0.488	0.014	0.0	403.811	-42.602	50.000
31600.000	3150.000	391.022	0.924	0.030	0.0	478.956	-117.727	50.000
31600.000	1550.000	50131.758	49740.730	0.0	0.0	166.027	195.182	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	212.185	0.0
2	0.0	0.0	338.087	125.901
3	0.0	0.0	377.052	164.866
4	0.0	0.0	400.365	188.179
5	4.000	0.366	106.402	-105.784

 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. 19 BASIN 22
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	0.001400	0.0	0.5	0.	244.000	0.0
J2	NPROF	IPL01	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
QT	5.000	1750.000	3350.000	4600.000	7900.000	4600.000	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	2300.000	18.000	1416.000	1440.000	2300.000	2300.000	2300.000	0.0	0.0	0.0
GR	246.400	1000.000	232.100	1100.000	242.700	1200.000	243.800	1300.000	243.500	1400.000
GR	242.900	1416.000	238.600	1420.000	237.200	1422.000	238.700	1434.000	243.000	1440.000
GR	242.800	1450.000	243.000	1500.000	242.400	1600.000	243.200	1700.000	243.300	1800.000
GR	244.600	1900.000	248.500	2000.000	252.600	2100.000	0.0	0.0	0.0	0.0
X1	8690.000	20.000	362.000	386.000	6390.000	6390.000	6390.000	0.0	-2.000	0.0
GR	273.900	0.0	269.100	55.000	263.400	100.000	261.600	200.000	258.700	300.000
GR	258.200	362.000	256.100	364.000	254.900	375.000	255.400	385.000	257.500	386.000
GR	258.600	400.000	258.900	500.000	259.400	600.000	261.100	700.000	263.500	800.000
GR	266.800	900.000	269.600	1000.000	271.500	1100.000	273.000	1200.000	276.100	1300.000
ET	5.000	0.0	0.0	0.0	0.0	-15.400	0.0	0.0	0.0	0.0
X1	8740.000	33.000	200.000	400.000	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	276.400	278.400	0.0
GR	278.900	0.0	278.900	100.000	278.900	200.000	274.000	201.000	271.900	212.000
GR	271.000	214.000	266.400	223.000	261.400	235.000	258.800	241.000	258.400	248.000
GR	258.000	254.000	255.900	256.000	256.000	261.000	254.300	272.000	253.700	286.000
GR	253.800	287.000	257.900	288.000	258.100	298.000	257.700	300.000	257.900	311.000
GR	258.000	323.000	257.800	336.000	257.800	347.000	258.000	351.000	259.500	354.000
GR	259.500	359.000	264.000	373.000	271.100	385.000	276.100	392.000	276.100	399.000
GR	280.900	400.000	282.300	500.000	283.500	600.000	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	200.000	24.000	2737.000	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	8750.000	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	273.400	278.900	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	278.900	280.900	0.0
BT	6.000	0.0	273.900	0.0	200.000	278.900	276.400	300.000	279.900	0.0
BT	400.000	280.900	278.400	500.000	282.300	0.0	600.000	283.500	0.0	0.0
X1	8800.000	20.000	362.000	386.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	273.900	0.0	269.100	55.000	263.400	100.000	261.600	200.000	258.700	300.000
GR	258.200	362.000	256.100	364.000	254.900	375.000	255.400	385.000	257.500	386.000

GR	258.600	400.000	258.900	500.000	259.400	600.000	261.100	700.000	263.500	800.000
GR	266.800	900.000	269.800	1000.000	271.500	1100.000	273.000	1200.000	276.100	1300.000
X1	9375.000	24.000	567.000	600.000	575.000	575.000	575.000	0.0	-2.400	0.0
GR	274.700	0.0	270.900	100.000	266.500	200.000	265.700	240.000	269.000	258.000
GR	268.800	269.000	265.400	284.000	265.200	300.000	263.800	400.000	262.700	500.000
GR	259.700	567.000	257.800	568.000	258.200	582.000	258.700	599.000	260.800	600.000
GR	262.600	700.000	263.300	800.000	265.400	900.000	268.000	1000.000	269.700	1100.000
GR	271.800	1200.000	273.600	1300.000	274.600	1400.000	277.900	1500.000	0.0	0.0
X1	9425.000	27.000	731.000	800.000	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	263.800	263.800	0.0
GR	282.300	0.0	279.300	100.000	275.900	200.000	272.400	300.000	269.800	400.000
GR	268.000	500.000	266.900	600.000	266.000	700.000	266.000	731.000	262.100	738.000
GR	257.200	739.000	257.000	750.000	257.500	760.000	257.000	771.000	257.500	775.000
GR	257.900	776.000	258.400	795.000	261.700	800.000	266.000	800.000	266.800	900.000
GR	267.500	1000.000	268.400	1100.000	270.200	1200.000	272.500	1300.000	275.800	1400.000
GR	278.900	1500.000	283.300	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	69.000	0.830	391.000	0.0	0.0	0.0
X1	9450.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	263.800	266.000	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	266.000	266.000	0.0
BT	16.000	0.0	282.300	0.0	100.000	279.300	0.0	200.000	275.900	0.0
BT	300.000	272.400	0.0	400.000	269.800	0.0	500.000	268.000	0.0	600.000
BT	266.900	0.0	700.000	266.000	0.0	731.000	266.000	263.800	800.000	266.000
BT	263.800	900.000	266.800	0.0	1000.000	267.500	0.0	1100.000	268.400	0.0
BT	1200.000	270.200	0.0	1300.000	272.500	0.0	1500.000	278.900	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-20.400	0.0	0.0	0.0	0.0
X1	9500.000	24.000	567.000	600.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	274.700	0.0	270.900	100.000	266.500	200.000	265.700	240.000	269.000	258.000
GR	268.800	269.000	265.400	284.000	265.200	300.000	263.800	400.000	262.700	500.000
GR	259.700	567.000	257.800	568.000	258.200	582.000	258.700	599.000	260.800	600.000
GR	262.600	700.000	263.300	800.000	265.400	900.000	268.000	1000.000	269.700	1100.000
GR	271.800	1200.000	273.600	1300.000	274.600	1400.000	277.900	1500.000	0.0	0.0
QT	5.000	1350.000	2600.000	3500.000	6300.000	3500.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	690.000	780.000	0.0	0.0
X1	13100.000	23.000	700.000	730.000	3600.000	3600.000	3600.000	0.0	-0.100	0.0
GR	293.700	0.0	290.300	100.000	289.400	200.000	287.100	300.000	285.100	400.000
GR	282.400	500.000	279.400	600.000	276.400	700.000	272.300	709.000	271.100	718.000
GR	272.700	727.000	276.100	730.000	276.700	791.000	278.300	800.000	279.900	815.000
GR	281.100	900.000	280.500	1000.000	281.200	1100.000	281.200	1200.000	281.200	1300.000
GR	284.700	1400.000	285.900	1460.000	296.800	1484.000	0.0	0.0	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	13150.000	25.000	954.000	985.000	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	271.800	271.800	0.0
GR	297.300	0.0	294.700	100.000	291.900	200.000	289.700	300.000	287.400	400.000
GR	285.800	500.000	284.100	600.000	283.200	700.000	282.300	800.000	281.800	900.000
GR	281.400	954.000	271.800	954.000	271.800	985.000	281.400	985.000	281.400	1000.000
GR	281.300	1100.000	281.100	1200.000	281.300	1300.000	281.200	1400.000	281.800	1500.000
GR	283.000	1600.000	285.800	1700.000	290.200	1800.000	295.400	1900.000	300.600	1994.000
SB	1.250	1.500	2.500	0.0	31.000	1.000	207.000	0.0	0.0	0.0
X1	13250.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	271.800	281.100	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	281.400	281.400	0.0
BT	19.000	0.0	297.300	0.0	100.000	294.700	0.0	200.000	291.900	0.0
BT	300.000	289.700	0.0	400.000	287.400	0.0	500.000	285.800	0.0	600.000
BT	284.100	0.0	700.000	283.200	0.0	800.000	282.300	0.0	900.000	281.800
BT	0.0	954.000	281.400	278.700	985.000	281.400	278.700	1000.000	281.400	0.0
BT	1100.000	281.300	0.0	1200.000	281.100	0.0	1400.000	281.200	0.0	1500.000
BT	233.000	0.0	1800.000	290.200	0.0	1994.000	300.600	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	700.000	770.000	0.0	0.0

	X1	13300.000	23.000	700.000	730.000	50.000	50.000	50.000	0.0	0.0	0.0	
	GR	293.700	0.0	290.300	100.000	289.400	200.000	287.100	300.000	285.100	400.000	
	GR	282.400	500.000	279.400	600.000	276.400	700.000	272.300	709.000	271.100	718.000	
	GR	272.700	727.000	276.100	730.000	276.700	791.000	278.300	800.000	279.900	815.000	
	GR	281.100	900.000	280.500	1000.000	281.200	1100.000	281.200	1200.000	281.200	1300.000	
1	GR	284.700	1400.000	285.900	1460.000	296.800	1484.000	0.0	0.0	0.0	0.0	1
2	ET	0.0	0.0	0.0	0.0	0.0	7.100	440.000	644.000	0.0	0.0	2
3												3
4	X1	19979.000	14.000	575.000	600.000	6679.000	6679.000	6679.000	0.0	-0.500	0.0	4
5	GR	323.800	0.0	319.400	100.000	318.100	200.000	310.800	300.000	309.600	400.000	5
6	GR	305.600	500.000	304.400	575.000	303.500	576.000	303.700	585.000	303.700	594.000	6
7	GR	304.400	600.000	312.700	700.000	317.400	760.000	328.300	800.000	0.0	0.0	7
8	ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0	8
9												9
10	X1	20029.000	21.000	200.000	329.000	50.000	50.000	50.000	0.0	0.0	0.0	10
11	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	321.900	322.000	0.0	11
12	GR	322.700	0.0	323.000	100.000	324.200	200.000	310.400	200.000	308.000	204.000	12
13	GR	305.300	206.000	303.500	225.000	303.800	232.000	304.100	250.000	303.800	254.000	13
14	GR	304.500	275.000	304.300	289.000	304.500	300.000	304.800	307.000	313.000	313.000	14
15	GR	317.000	322.000	317.700	329.000	324.400	329.000	325.900	400.000	331.800	500.000	15
16	GR	337.600	600.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	SB	1.050	1.500	2.500	0.0	129.000	1.670	1957.000	0.0	0.0	0.0	17
18	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	18
19												19
20	X1	20050.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0	20
21	X2	0.0	0.0	1.000	322.000	322.700	0.0	0.0	0.0	0.0	0.0	21
22	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	324.200	324.400	0.0	22
23	BT	8.000	0.0	322.700	0.0	100.000	323.000	0.0	200.000	324.200	321.900	23
24	BT	300.000	324.200	0.0	329.000	324.400	322.000	400.000	325.900	0.0	500.000	24
25	BT	331.800	0.0	600.000	337.600	0.0	0.0	0.0	0.0	0.0	0.0	25
26												26
27	X1	20075.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.100	0.0	27
28	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	28
29												29
30	X1	20100.000	14.000	345.000	470.000	25.000	25.000	25.000	0.0	0.0	0.0	30
31	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
32	GR	322.800	0.0	322.200	100.000	321.900	200.000	321.800	300.000	321.900	330.000	32
33	GR	323.900	330.000	324.100	345.000	320.900	345.000	320.900	400.000	320.400	450.000	33
34	GR	306.000	450.000	307.500	470.000	324.200	470.000	324.200	472.000	0.0	0.0	34
35	SB	0.900	1.500	2.500	0.0	0.500	0.001	0.200	0.0	0.0	0.0	35
36												36
37	X1	20150.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0	37
38	X2	0.0	0.0	1.000	306.500	320.400	0.0	0.0	0.0	0.0	0.0	38
39	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39
40	BT	12.000	0.0	322.800	0.0	100.000	322.200	0.0	200.000	321.900	0.0	40
41	BT	300.000	321.800	0.0	330.000	321.900	0.0	345.000	324.100	0.0	345.000	41
42	BT	320.900	0.0	400.000	320.900	0.0	450.000	320.400	0.0	470.000	320.400	42
43	BT	0.0	470.000	324.200	0.0	472.000	324.200	0.0	0.0	0.0	0.0	43
44	ET	0.0	0.0	0.0	0.0	0.0	7.100	6.000	783.000	0.0	0.0	44
45												45
46	X1	20200.000	13.000	575.000	600.000	50.000	50.000	50.000	0.0	0.300	0.0	46
47	GR	323.800	0.0	319.400	100.000	318.100	200.000	310.800	300.000	309.600	400.000	47
48	GR	305.600	500.000	304.400	575.000	303.500	576.000	303.700	594.000	304.400	600.000	48
49	GR	312.700	700.000	317.400	760.000	328.300	800.000	0.0	0.0	0.0	0.0	49
50	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	50
51												51
52	X1	26474.000	14.000	259.000	277.000	6374.000	6374.000	6374.000	0.0	-0.500	0.0	52
53	GR	354.600	0.0	350.100	100.000	352.800	200.000	342.500	209.000	339.200	259.000	53
54	GR	335.500	264.000	335.500	268.000	336.200	273.000	338.600	277.000	339.000	300.000	54
55	GR	338.800	400.000	340.800	500.000	341.500	516.000	354.600	573.000	0.0	0.0	55
56												56
57	X1	26524.000	24.000	1100.000	1137.000	50.000	50.000	50.000	0.0	0.0	0.0	57
	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	340.600	340.600	0.0	58
	GR	357.800	0.0	352.000	200.000	348.300	400.000	345.800	600.000	343.300	800.000	59
	GR	341.100	1000.000	342.200	1100.000	336.500	1100.000	335.000	1103.000	335.000	1105.000	60

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 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
2300.00	2300.00	0.0	0.0	232.10	4600.00	244.88	1220.33	244.94	896.45	0.0	0.0	2.73
8690.00	6390.00	0.0	0.0	252.90	4600.00	260.28	647.81	260.48	587.25	0.0	0.0	5.91
8740.00	50.00	0.0	0.0	253.70	4600.00	260.76	234.36	262.53	126.42	0.0	0.0	10.70
8750.00	10.00	278.90	278.40	253.70	4600.00	262.49	452.48	263.25	135.91	0.0	0.0	7.00
8800.00	50.00	0.0	0.0	254.90	4600.00	263.29	1024.88	263.38	685.52	0.0	0.0	4.10
9375.00	575.00	0.0	0.0	255.40	4600.00	264.30	1171.54	264.39	721.55	0.0	0.0	3.83
9425.00	50.00	0.0	0.0	257.00	4600.00	263.34	246.25	266.07	64.22	0.0	0.0	13.27
9450.00	25.00	266.00	263.80	257.00	4600.00	264.62	340.64	266.39	66.52	0.0	0.0	10.70
9500.00	50.00	0.0	0.0	257.80	4600.00	266.54	1100.87	266.64	710.48	0.0	0.0	4.02
13100.00	3600.00	0.0	0.0	271.00	3500.00	281.23	594.59	281.48	767.73	0.0	0.0	5.74
13150.00	50.00	0.0	0.0	271.80	3500.00	282.31	381.67	283.04	744.63	0.0	0.0	7.91
13250.00	100.00	281.10	271.80	271.80	3500.00	282.46	417.47	283.04	774.08	0.0	0.0	7.30
13300.00	50.00	0.0	0.0	271.10	3500.00	283.10	1311.18	283.15	880.51	0.0	0.0	2.95
19979.00	6679.00	0.0	0.0	303.00	3500.00	307.52	186.28	308.70	204.08	0.0	0.0	12.11
20029.00	50.00	0.0	0.0	303.50	3500.00	308.88	317.07	309.70	107.44	0.0	0.0	7.26
20050.00	21.00	322.70	322.00	303.50	3500.00	308.93	322.82	309.73	107.56	0.0	0.0	7.18
20075.00	25.00	0.0	0.0	303.60	3500.00	309.29	353.56	310.00	108.21	0.0	0.0	6.78
20100.00	25.00	0.0	0.0	306.00	3500.00	316.57	141.20	321.50	20.00	0.0	0.0	17.83
20150.00	50.00	320.40	306.50	306.00	3500.00	323.24	350.01	323.79	125.00	0.0	0.0	5.96
20200.00	50.00	0.0	0.0	303.80	3500.00	323.84	8638.38	323.84	776.65	0.0	0.0	0.73
26474.00	6374.00	0.0	0.0	335.00	3500.00	340.81	192.00	341.75	284.66	0.0	0.0	11.97
26524.00	50.00	0.0	0.0	335.00	3500.00	343.33	307.32	344.23	416.16	0.0	0.0	8.99
26550.00	26.00	341.10	340.60	335.00	3500.00	343.50	337.21	344.23	433.90	0.0	0.0	8.32
26600.00	50.00	0.0	0.0	335.50	3500.00	344.29	796.01	344.39	348.60	0.0	0.0	3.99
28400.00	1800.00	0.0	0.0	339.40	1550.00	346.81	576.40	346.84	391.00	0.0	0.0	2.15
31458.00	3058.00	0.0	0.0	381.50	1550.00	385.21	60.78	385.81	217.00	0.0	0.0	10.18

31508.00 50.00 0.0 0.0 381.80 1550.00 386.67 167.02 386.78 319.35 0.0 0.0 4.68

31550.00 42.00 387.80 384.70 381.80 1550.00 390.08 935.96 390.10 475.93 0.0 0.0 1.23

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TD	EG	TOPWID	STENCL	STENCR	VCH
31600.00	50.00	0.0	0.0	382.80	1550.00	390.10	649.11	390.12	403.81	0.0	0.0	1.50
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
2300.000	4600.000	244.877	0.0	0.0	0.0	896.448	0.0	2300.000				
8690.000	4600.000	260.283	0.0	15.406	0.0	587.253	0.0	6390.000				
8740.000	4600.000	260.756	0.0	0.473	0.0	126.424	0.0	50.000				
8750.000	4600.000	262.489	0.0	1.733	0.0	135.915	0.0	10.000				
8800.000	4600.000	263.290	0.0	0.801	0.0	685.524	0.0	50.000				
9375.000	4600.000	264.303	0.0	1.013	0.0	721.551	0.0	575.000				
9425.000	4600.000	263.338	0.0	-0.965	0.0	64.223	0.0	50.000				
9450.000	4600.000	264.615	0.0	1.277	0.0	66.517	0.0	25.000				
9500.000	4600.000	266.540	0.0	1.925	0.0	710.478	0.0	50.000				
13100.000	3500.000	281.226	0.0	14.686	0.0	767.732	0.0	3600.000				
13150.000	3500.000	282.314	0.0	1.089	0.0	744.634	0.0	50.000				
13250.000	3500.000	282.457	0.0	0.143	0.0	774.077	0.0	100.000				
13300.000	3500.000	283.104	0.0	0.648	0.0	880.514	0.0	50.000				
19979.000	3500.000	307.519	0.0	24.414	0.0	204.083	0.0	6679.000				
20029.000	3500.000	308.882	0.0	1.363	0.0	107.440	0.0	50.000				
20050.000	3500.000	308.926	0.0	0.044	0.0	107.563	0.0	21.000				
20075.000	3500.000	309.289	0.0	0.364	0.0	108.205	0.0	25.000				
20100.000	3500.000	316.567	0.0	7.278	0.0	20.000	0.0	25.000				
20150.000	3500.000	323.236	0.0	6.668	0.0	125.000	0.0	50.000				
20200.000	3500.000	323.840	0.0	0.604	0.0	776.652	0.0	50.000				
26474.000	3500.000	340.811	0.0	16.970	0.0	284.661	0.0	6374.000				
26524.000	3500.000	343.333	0.0	2.522	0.0	416.155	0.0	50.000				
26550.000	3500.000	343.496	0.0	0.164	0.0	433.901	0.0	26.000				
26600.000	3500.000	344.292	0.0	0.796	0.0	348.601	0.0	50.000				
28400.000	1550.000	346.809	0.0	2.517	0.0	391.000	0.0	1800.000				
31458.000	1550.000	385.214	0.0	38.405	0.0	216.999	0.0	3058.000				
31508.000	1550.000	386.665	0.0	1.451	0.0	319.355	0.0	50.000				

31550.000 1550.000 390.084 0.0 3.419 0.0 475.932 0.0 42.000

31600.000 1550.000 390.099 0.0 0.014 0.0 403.811 0.0 50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF	
1						1
2						2
3	1	0.0	0.0	377.052	0.0	3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
16						16
17						17
18						18
19						19
20						20
21						21
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47						47
48						48
49						49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57

 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. 19 BASIN 22
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	245.880	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= 1220.33 WSEL= 244.88 ENC Q1= 1220.33 WSEL= 245.88 RATIO= 0.0

NAT Q1= 1771. RATIOS LOB,CH,ROB= 0.6773 0.0738 0.2489 WSEL= 245.88

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	ENDST

3470 ENCROACHMENT STATIONS= 1096.6 1695.1 TYPE= 4 TARGET= 0.311

2300.00	13.78	245.88	0.0	244.88	245.95	0.07	0.0	0.0	242.90
4600.	30.	480.	1081.	1423.	162.	791.	0.	0.	243.00
0.0	2.4	2.96	1.37	0.085	0.060	0.085	0.0	232.10	1096.60
0.001347	2300.	2300.	2300.	0	0	1	0.0	598.46	1695.06

2800 NAT Q1= 647.81 WSEL= 260.28 ENC Q1= 647.81 WSEL= 261.28 RATIO= 0.0
 NAT Q1= 1020. RATIOS LOB,CH,ROB= 0.2737 0.1664 0.5599 WSEL= 261.28

3470 ENCROACHMENT STATIONS= 293.8 535.2 TYPE= 4 TARGET= 0.365

8690.00	8.20	261.10	0.0	260.28	261.43	0.32	15.40	0.08	256.20
4600.	1134.	1210.	2256.	315.	182.	651.	258.	62.	255.50
0.41	3.60	6.66	3.47	0.085	0.060	0.085	0.060	252.90	293.83
0.005497	6390.	6390.	6390.	5	0	1	0.0	241.37	535.19

IHC209I IBCOM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS FFB5000F42073A7C . REGISTER CONTAINED 0000000000000000

TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1

MAIN 0001BEEA 0106CBC0 FD000008 000E8FF8

ENTRY POINT= 0106CBC0

STANDARD FIXUP TAKEN , EXECUTION CONTINUING
 2800 NAT Q1= 234.36 WSEL= 260.76 ENC Q1= 419.54 WSEL= 262.26 RATIO= -0.7902

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)	C/SEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
9	2300.00	2300.00	0.0	0.0	232.10	4600.00	244.88	1220.33	244.94	896.45	0.0 ³³⁰	0.0 ²⁶⁸	2.73
10	2300.00	2300.00	0.0	0.0	232.10	4600.00	245.88	1253.49	245.95	598.46	1096.60	1695.06	2.96
12	8690.00	6390.00	0.0	0.0	252.90	4600.00	260.28	647.81	260.48	587.25	0.0	0.0	5.91
13	8690.00	6390.00	0.0	0.0	252.90	4600.00	261.10	620.46	261.43	241.37	293.83	535.20	6.66
15	8740.00	50.00	0.0	0.0	253.70	4600.00	260.76	234.36	262.53	126.42	0.0	0.0	10.70
16	8740.00	50.00	0.0	0.0	253.70	4600.00	260.75	233.99	262.53	126.41	200.00	400.00	10.71
18	8750.00	10.00	278.90	278.40	253.70	4600.00	262.49	452.48	263.25	135.91	0.0	0.0	7.00
19	8750.00	10.00	278.90	278.40	253.70	4600.00	263.49	605.89	264.01	141.42	0.0	0.0	5.78
21	8800.00	50.00	0.0	0.0	254.90	4600.00	263.29	1024.88	263.38	685.52	0.0	0.0	4.10
22	8800.00	50.00	0.0	0.0	254.90	4600.00	264.07	993.30	264.21	307.34	261.99	569.32	4.51
24	9375.00	575.00	0.0	0.0	255.40	4600.00	264.30	1171.54	264.39	721.55	0.0	0.0	3.83
25	9375.00	575.00	0.0	0.0	255.40	4600.00	265.15	1142.00	265.28	305.69	440.11	745.80	4.19
27	9425.00	50.00	0.0	0.0	257.00	4600.00	263.34	246.25	266.07	64.22	0.0	0.0	13.27
28	9425.00	50.00	0.0	0.0	257.00	4600.00	263.86	284.09	266.13	65.18	731.00	800.00	12.07
30	9450.00	25.00	0.0	0.0	257.00	4600.00	264.62	340.64	266.39	66.52	0.0	0.0	10.70
31	9450.00	25.00	0.0	0.0	257.00	4600.00	265.14	382.82	266.66	67.46	731.00	800.00	9.89
33	9500.00	50.00	0.0	0.0	257.80	4600.00	266.54	1100.87	266.64	710.48	0.0	0.0	4.02
34	9500.00	50.00	0.0	0.0	257.80	4600.00	266.79	734.81	267.12	194.68	495.20	689.89	6.15
36	13100.00	3600.00	0.0	0.0	271.00	3500.00	281.23	594.59	281.48	767.73	0.0	0.0	5.74
37	13100.00	3600.00	0.0	0.0	271.00	3500.00	282.17	496.79	282.77	90.00	690.00	780.00	7.36
39	13150.00	50.00	0.0	0.0	271.80	3500.00	282.31	381.67	283.04	744.63	0.0	0.0	7.91
40	13150.00	50.00	0.0	0.0	271.80	3500.00	281.59	250.29	283.64	72.06	945.39	1017.45	11.50
42	13250.00	100.00	0.0	0.0	271.80	3500.00	282.46	417.47	283.04	774.08	0.0	0.0	7.30
43	13250.00	100.00	0.0	0.0	271.80	3500.00	281.74	257.75	283.69	102.89	938.39	1041.28	11.27
45	13300.00	50.00	0.0	0.0	271.10	3500.00	283.10	1311.18	283.15	880.51	0.0	0.0	2.95
46	13300.00	50.00	0.0	0.0	271.10	3500.00	283.68	522.86	284.24	70.00	700.00	770.00	6.72
48	19979.00	6679.00	0.0	0.0	303.00	3500.00	307.52	186.28	308.70	204.08	0.0	0.0	12.11
49	19979.00	6679.00	0.0	0.0	303.00	3500.00	310.24	595.10	310.45	204.00	440.00	644.00	5.27
51	20029.00	50.00	0.0	0.0	303.50	3500.00	308.88	317.07	309.70	107.44	0.0	0.0	7.26
52	20029.00	50.00	0.0	0.0	303.50	3500.00	310.27	488.57	310.74	110.79	200.00	329.00	5.52
54	20050.00	21.00	322.70	322.00	303.50	3500.00	308.93	322.82	309.73	107.56	0.0	0.0	7.18
55	20050.00	21.00	322.70	322.00	303.50	3500.00	309.93	443.17	310.74	109.96	0.0	0.0	5.87
56	20075.00	25.00	0.0	0.0	303.60	3500.00	309.29	353.56	310.00	108.21	0.0	0.0	6.78
57	20075.00	25.00	0.0	0.0	303.60	3500.00	310.42	496.03	310.89	110.93	200.00	329.00	5.46
	20100.00	25.00	0.0	0.0	306.00	3500.00	316.57	141.20	321.50	20.00	0.0	0.0	17.83

20100.00 25.00 0.0 0.0 306.00 3500.00 316.54 140.71 321.50 20.00 345.00 470.00 17.87

1	SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	1
2	20150.00	50.00	0.0	0.0	306.00	3500.00	323.24	350.01	323.79	125.00	0.0	0.0	5.96	2
3	20150.00	50.00	0.0	0.0	306.00	3500.00	323.21	346.88	323.77	125.00	345.00	470.00	5.99	3
4	20200.00	50.00	0.0	0.0	303.80	3500.00	323.84	8638.38	323.84	776.65	0.0	0.0	0.73	4
5	20200.00	50.00	0.0	0.0	303.80	3500.00	323.82	8618.90	323.83	776.18	6.00	783.00	0.73	5
6	26474.00	6374.00	0.0	0.0	335.00	3500.00	340.81	192.00	341.75	284.66	0.0	0.0	11.97	6
7	26474.00	6374.00	0.0	0.0	335.00	3500.00	341.71	190.04	343.29	116.25	238.99	355.24	13.56	7
8	26524.00	50.00	0.0	0.0	335.00	3500.00	343.33	307.32	344.23	416.16	0.0	0.0	8.99	8
9	26524.00	50.00	0.0	0.0	335.00	3500.00	343.27	224.45	345.48	89.32	1059.69	1149.02	12.24	9
10	26550.00	26.00	341.10	340.60	335.00	3500.00	343.50	337.21	344.23	433.90	0.0	0.0	8.32	10
11	26550.00	26.00	341.10	340.60	335.00	3500.00	345.02	486.64	345.48	200.00	1000.00	1200.00	6.52	11
12	26600.00	50.00	0.0	0.0	335.50	3500.00	344.29	796.01	344.39	348.60	0.0	0.0	3.99	12
13	26600.00	50.00	0.0	0.0	335.50	3500.00	345.55	1168.90	345.60	340.00	185.00	525.00	3.00	13
14	28400.00	1800.00	0.0	0.0	339.40	1550.00	346.81	576.40	346.84	391.00	0.0	0.0	2.15	14
15	28400.00	1800.00	0.0	0.0	339.40	1550.00	347.24	482.77	347.29	199.80	1316.24	1516.04	2.68	15
16	31458.00	3058.00	0.0	0.0	381.50	1550.00	385.21	60.78	385.81	217.00	0.0	0.0	10.18	16
17	31458.00	3058.00	0.0	0.0	381.50	1550.00	385.75	57.46	387.19	56.52	517.03	573.55	11.79	17
18	31508.00	50.00	0.0	0.0	381.80	1550.00	386.67	167.02	386.78	319.35	0.0	0.0	4.68	18
19	31508.00	50.00	0.0	0.0	381.80	1550.00	387.71	255.51	387.81	170.00	480.00	650.00	3.54	19
20	31550.00	42.00	0.0	0.0	381.80	1550.00	390.08	935.96	390.10	475.93	0.0	0.0	1.23	20
21	31550.00	42.00	0.0	0.0	381.80	1550.00	391.13	993.36	391.15	246.75	440.06	686.81	1.26	21
22	31600.00	50.00	0.0	0.0	382.80	1550.00	390.10	649.11	390.12	403.81	0.0	0.0	1.50	22
23	31600.00	50.00	0.0	0.0	382.80	1550.00	391.14	703.67	391.17	213.99	456.47	670.46	1.51	23
24	SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					24
25	A 2300.000	4600.000	244.877	0.0	0.0	0.0	896.448	0.0	2300.000					25
26	A 2300.000	4600.000	245.880	1.003	0.0	0.0	598.458	297.991	2300.000					26
27	B 8690.000	4600.000	260.283	0.0	15.406	0.0	587.253	0.0	6390.000					27
28	B 8690.000	4600.000	261.103	0.820	15.223	0.0	241.366	345.886	6390.000					28
29	8740.000	4600.000	260.756	0.0	0.473	0.0	126.424	0.0	50.000					29
30	8740.000	4600.000	260.753	-0.003	-0.350	0.0	126.406	0.018	50.000					30
31	8750.000	4600.000	262.489	0.0	1.733	0.0	135.915	0.0	10.000					31
32	8750.000	4600.000	263.489	1.000	2.736	0.0	141.425	-5.510	10.000					32
33	C 8800.000	4600.000	263.290	0.0	0.801	0.0	685.524	0.0	50.000					33
34	C 8800.000	4600.000	264.072	0.782	0.584	0.0	307.336	378.189	50.000					34
35	D 9375.000	4600.000	264.303	0.0	1.013	0.0	721.551	0.0	575.000					35
36	D 9375.000	4600.000	265.148	0.845	1.076	0.0	305.693	415.858	575.000					36
37	9425.000	4600.000	263.338	0.0	-0.965	0.0	64.223	0.0	50.000					37
38	9425.000	4600.000	263.863	0.525	-1.285	0.0	65.178	-0.956	50.000					38
39	9450.000	4600.000	264.615	0.0	1.277	0.0	66.517	0.0	25.000					39
40	9450.000	4600.000	265.140	0.525	1.277	0.0	67.457	-0.940	25.000					40

	E	9500.000	4600.000	266.540	0.0	1.925	0.0	710.478	0.0	50.000	
		9500.000	4600.000	266.787	0.248	1.647	0.0	194.683	515.795	50.000	
	F	13100.000	3500.000	281.226	0.0	14.686	0.0	767.732	0.0	3600.000	
		13100.000	3500.000	282.167	0.942	15.380	0.0	89.999	677.733	3600.000	
1											1
2		13150.000	3500.000	282.314	0.0	1.089	0.0	744.634	0.0	50.000	2
3		13150.000	3500.000	281.593	-0.721	-0.574	0.0	72.059	672.574	50.000	3
4											4
5		13250.000	3500.000	282.457	0.0	0.143	0.0	774.077	0.0	100.000	5
6		13250.000	3500.000	281.736	-0.721	0.143	0.0	102.892	671.185	100.000	6
7											7
8	G	13300.000	3500.000	283.104	0.0	0.648	0.0	880.514	0.0	50.000	8
9		13300.000	3500.000	283.683	0.578	1.947	0.0	69.999	810.515	50.000	9
10											10
11	H	19979.000	3500.000	307.519	0.0	24.414	0.0	204.083	0.0	6679.000	11
12		19979.000	3500.000	310.239	2.720	26.556	0.0	203.999	0.084	6679.000	12
13											13
14		20029.000	3500.000	308.882	0.0	1.363	0.0	107.440	0.0	50.000	14
15		20029.000	3500.000	310.267	1.385	0.028	0.0	110.793	-3.354	50.000	15
16											16
17		20050.000	3500.000	308.926	0.0	0.044	0.0	107.563	0.0	21.000	17
18		20050.000	3500.000	309.925	0.999	-0.342	0.0	109.960	-2.397	21.000	18
19											19
20		20075.000	3500.000	309.289	0.0	0.364	0.0	108.205	0.0	25.000	20
21		20075.000	3500.000	310.422	1.133	0.497	0.0	110.927	-2.722	25.000	21
22											22
23		20100.000	3500.000	316.567	0.0	7.278	0.0	20.000	0.0	25.000	23
24		20100.000	3500.000	316.542	-0.025	6.120	0.0	20.000	0.0	25.000	24
25											25
26		20150.000	3500.000	323.236	0.0	6.668	0.0	125.000	0.0	50.000	26
27		20150.000	3500.000	323.210	-0.026	6.668	0.0	125.000	0.0	50.000	27
28											28
29	I	20200.000	3500.000	323.840	0.0	0.604	0.0	776.652	0.0	50.000	29
30		20200.000	3500.000	323.822	-0.018	0.612	0.0	776.181	0.471	50.000	30
31											31
32	A	26474.000	3500.000	340.811	0.0	16.970	0.0	284.661	0.0	6374.000	32
33		26474.000	3500.000	341.708	0.897	17.885	0.0	116.251	168.410	6374.000	33
34											34
35		26524.000	3500.000	343.333	0.0	2.522	0.0	416.155	0.0	50.000	35
36		26524.000	3500.000	343.274	-0.058	1.567	0.0	89.325	326.830	50.000	36
37											37
38		26550.000	3500.000	343.496	0.0	0.164	0.0	433.901	0.0	26.000	38
39		26550.000	3500.000	345.022	1.526	1.748	0.0	199.999	233.902	26.000	39
40											40
41		26600.000	3500.000	344.292	0.0	0.796	0.0	348.601	0.0	50.000	41
42		26600.000	3500.000	345.545	1.253	0.523	0.0	339.999	8.602	50.000	42
43											43
44	B	28400.000	1550.000	346.809	0.0	2.517	0.0	391.000	0.0	1800.000	44
45		28400.000	1550.000	347.236	0.427	1.690	0.0	199.798	191.201	1800.000	45
46											46
47	C	31458.000	1550.000	385.214	0.0	38.405	0.0	216.999	0.0	3058.000	47
48		31458.000	1550.000	385.750	0.535	38.514	0.0	56.523	160.476	3058.000	48
49											49
50		31508.000	1550.000	386.665	0.0	1.451	0.0	319.355	0.0	50.000	50
51		31508.000	1550.000	387.713	1.048	1.963	0.0	169.999	149.356	50.000	51
52											52
53		31550.000	1550.000	390.084	0.0	3.419	0.0	475.932	0.0	42.000	53
54		31550.000	1550.000	391.132	1.048	3.419	0.0	246.754	229.178	42.000	54
55											55
56	D	31600.000	1550.000	390.099	0.0	0.014	0.0	403.811	0.0	50.000	56
57		31600.000	1550.000	391.142	1.043	0.010	0.0	213.992	189.818	50.000	57

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