
 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 5 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.004400	0.0	0.0	0.	256.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	550.000	1700.000	2450.000	4900.000	2450.000	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	800.000	12.000	1225.000	1252.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	273.200	1000.000	268.400	1050.000	263.900	1100.000	259.300	1150.000	257.500	1200.000
GR	257.600	1225.000	252.200	1232.000	250.900	1239.000	252.200	1246.000	256.800	1252.000
GR	258.400	1266.000	273.000	1300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	11400.000	12.000	1365.000	1375.000	10600.000	10600.000	10600.000	0.0	0.0	0.0
GR	321.300	1045.000	316.100	1100.000	309.600	1200.000	304.600	1300.000	300.800	1365.000
GR	298.500	1367.000	298.000	1370.000	298.600	1373.000	300.900	1375.000	301.100	1395.000
GR	303.100	1400.000	318.800	1481.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	11450.000	23.000	1362.500	1371.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	321.600	1000.000	314.300	1100.000	308.800	1200.000	307.500	1250.000	305.000	1297.000
GR	300.300	1362.500	298.900	1364.000	298.400	1367.000	298.900	1370.000	300.300	1371.500
GR	301.500	1392.000	303.500	1397.000	304.500	1410.000	303.700	1500.000	303.300	1600.000
GR	303.400	1700.000	304.200	1800.000	305.700	1900.000	307.700	2000.000	310.700	2100.000
GR	312.200	2200.000	312.600	2300.000	313.700	2400.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	9.000	0.010	40.000	0.0	0.0	0.0
X1	11486.000	0.0	0.0	0.0	36.000	36.000	36.000	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
BT	10.000	1000.000	321.600	0.0	1100.000	314.300	0.0	1200.000	308.800	0.0
BT	1300.000	306.100	0.0	1362.500	305.200	300.300	1364.000	305.200	303.300	1367.000
BT	305.100	304.200	1370.000	305.000	303.300	1371.500	305.000	300.300	1400.000	304.600
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	11536.000	12.000	1365.000	1375.000	50.000	50.000	50.000	0.0	0.800	0.0
GR	321.300	1045.000	316.100	1100.000	309.600	1200.000	304.600	1300.000	300.800	1365.000
GR	298.500	1367.000	298.000	1370.000	298.600	1373.000	300.900	1375.000	301.100	1395.000
GR	303.100	1400.000	318.800	1481.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	13436.000	14.000	1563.000	1579.000	1900.000	1900.000	1900.000	0.0	-4.400	0.0
GR	346.800	1270.000	344.900	1300.000	342.600	1390.000	341.900	1400.000	332.000	1485.000
GR	331.900	1500.000	331.200	1563.000	331.000	1565.000	330.600	1571.000	331.000	1577.000
GR	331.500	1579.000	332.200	1600.000	334.400	1650.000	342.900	1700.000	0.0	0.0

1	X1	13486.000	20.000	1597.500	1602.500	50.000	50.000	50.000	0.0	0.0	0.0	1
2	GR	349.200	1000.000	346.100	1100.000	344.300	1200.000	343.100	1300.000	342.400	1348.000	2
3	GR	340.400	1419.000	339.700	1429.000	330.900	1510.000	330.900	1597.500	328.600	1599.000	3
4	GR	328.400	1600.000	328.600	1601.000	330.900	1602.500	330.900	1650.000	332.200	1679.000	4
5	GR	337.800	1692.000	338.000	1700.000	343.500	1800.000	348.200	1900.000	349.900	1930.000	5
6	SB	0.900	1.500	2.500	0.0	5.000	0.010	19.500	0.0	0.0	0.0	6
7	X1	13516.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	7
8	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	BT	15.000	1000.000	349.200	0.0	1100.000	346.100	0.0	1200.000	344.300	0.0	9
10	BT	1300.000	343.100	0.0	1400.000	341.500	0.0	1500.000	338.700	0.0	1597.500	10
11	BT	335.700	330.900	1599.000	335.700	333.200	1600.000	335.700	333.400	1601.000	335.700	11
12	BT	333.200	1602.500	335.700	330.900	1700.000	338.000	0.0	1800.000	343.500	0.0	12
13	BT	1900.000	348.200	0.0	1930.000	349.900	0.0	0.0	0.0	0.0	0.0	13
14	X1	13566.000	14.000	1563.000	1579.000	50.000	50.000	50.000	0.0	0.0	0.0	14
15	GR	346.800	1270.000	344.900	1300.000	342.600	1390.000	341.900	1400.000	332.000	1485.000	15
16	GR	331.900	1500.000	331.200	1563.000	331.000	1565.000	330.600	1571.000	331.000	1577.000	16
17	GR	331.500	1579.000	332.200	1600.000	334.400	1650.000	342.900	1700.000	0.0	0.0	17
18	X1	14366.000	13.000	1324.000	1335.000	800.000	800.000	800.000	0.0	0.0	0.0	18
19	GR	351.700	1000.000	347.800	1100.000	340.200	1200.000	336.100	1300.000	339.200	1324.000	19
20	GR	334.600	1325.000	334.100	1329.000	334.400	1333.000	335.800	1335.000	337.300	1378.000	20
21	GR	339.200	1400.000	346.500	1500.000	350.800	1555.000	0.0	0.0	0.0	0.0	21
22	X1	14416.000	18.000	1319.000	1332.000	50.000	50.000	50.000	0.0	0.0	0.0	22
23	GR	352.500	1000.000	340.400	1100.000	348.900	1113.000	342.100	1200.000	341.300	1300.000	23
24	GR	341.200	1313.000	341.200	1319.000	337.000	1319.000	335.100	1323.000	334.800	1324.000	24
25	GR	334.300	1327.000	334.500	1330.000	335.400	1332.000	341.600	1332.000	341.600	1338.000	25
26	GR	340.200	1400.000	346.500	1500.000	352.800	1575.000	0.0	0.0	0.0	0.0	26
27	SB	0.900	1.500	2.500	0.0	13.000	0.010	43.000	0.0	0.0	0.0	27
28	X1	14428.000	0.0	0.0	0.0	12.000	12.000	12.000	0.0	0.0	0.0	28
29	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	BT	10.000	1000.000	352.500	0.0	1100.000	348.400	0.0	1113.000	348.900	0.0	30
31	BT	1200.000	342.100	0.0	1300.000	341.300	0.0	1313.000	341.200	0.0	1313.100	31
32	BT	341.800	0.0	1319.000	341.800	339.100	1332.000	341.800	339.100	1339.900	341.800	32
33	BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
34	X1	14478.000	13.000	1324.000	1335.000	50.000	50.000	50.000	0.0	0.400	0.0	34
35	GR	351.700	1000.000	347.800	1100.000	340.200	1200.000	336.100	1300.000	339.200	1324.000	35
36	GR	334.600	1325.000	334.100	1329.000	334.400	1333.000	335.800	1335.000	337.300	1378.000	36
37	GR	339.200	1400.000	346.500	1500.000	350.800	1555.000	0.0	0.0	0.0	0.0	37
38	QT	5.000	37.000	48.000	52.000	61.000	52.000	0.0	0.0	0.0	0.0	38
39	X1	17078.000	17.000	1115.000	1125.000	2600.000	2600.000	2600.000	0.0	-1.600	0.0	39
40	GR	371.600	892.000	370.100	900.000	368.100	909.000	368.000	928.000	370.500	933.000	40
41	GR	365.300	1000.000	357.000	1100.000	356.100	1115.000	356.100	1116.000	355.300	1120.000	41
42	GR	356.100	1124.000	356.400	1125.000	357.000	1200.000	357.700	1257.000	359.400	1300.000	42
43	GR	363.900	1400.000	366.400	1450.000	0.0	0.0	0.0	0.0	0.0	0.0	43
44	NC	0.020	0.020	0.020	0.100	0.300	0.0	0.0	0.0	0.0	0.0	44
45	ET	5.000	0.0	0.0	0.0	0.0	5.400	0.0	0.0	0.0	0.0	45
46	X1	17128.000	19.000	1114.000	1116.000	50.000	50.000	50.000	0.0	0.0	0.0	46
47	GR	377.800	845.000	370.800	887.000	369.300	895.000	367.300	904.000	367.200	923.000	47
48	GR	369.700	928.000	364.500	995.000	356.200	1095.000	355.500	1114.000	354.600	1114.500	48
49	GR	354.500	1115.000	354.600	1115.500	355.500	1116.000	356.200	1195.000	356.900	1252.000	49
50	GR	358.500	1295.000	363.000	1395.000	365.500	1445.000	377.000	1680.000	0.0	0.0	50
51	SB	0.900	1.500	2.500	0.0	2.000	0.010	3.000	0.0	0.0	0.0	51
52	X1	17217.000	0.0	0.0	0.0	89.000	89.000	89.000	0.0	0.0	0.0	52
53	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53
54	BT	10.000	845.000	377.800	0.0	1000.000	377.300	0.0	1100.000	377.000	0.0	54
55	BT	1114.000	377.000	355.500	1114.500	377.000	356.200	1115.000	377.000	356.500	1115.500	55
56	BT	377.000	356.200	1116.000	377.000	355.500	1200.000	377.000	0.0	1680.000	377.000	56

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
800.00	800.00	0.0	0.0	250.90	550.00	257.80	82.76	258.08	69.07	0.0	0.0	4.26
11400.00	10600.00	0.0	0.0	298.00	550.00	304.12	83.89	304.27	96.98	0.0	0.0	4.31
11450.00	50.00	0.0	0.0	298.40	550.00	304.37	138.38	304.41	488.60	0.0	0.0	2.79
11486.00	36.00	304.60	304.20	298.40	550.00	306.17	562.63	306.17	648.62	0.0	0.0	0.83
11536.00	50.00	0.0	0.0	298.80	550.00	306.15	155.88	306.20	126.50	0.0	0.0	2.67
13436.00	1900.00	0.0	0.0	326.20	550.00	328.23	26.49	328.67	130.18	0.0	0.0	7.40
13486.00	50.00	0.0	0.0	328.40	550.00	331.76	23.75	332.10	167.00	0.0	0.0	8.05
13516.00	30.00	335.70	333.40	328.40	550.00	331.76	23.82	332.10	167.05	0.0	0.0	8.04
13566.00	50.00	0.0	0.0	330.60	550.00	333.11	48.25	333.28	145.17	0.0	0.0	4.78
14366.00	800.00	0.0	0.0	334.10	550.00	338.85	82.63	338.94	160.33	0.0	0.0	3.50
14416.00	50.00	0.0	0.0	334.30	550.00	338.88	23.20	340.79	13.00	0.0	0.0	11.10
14428.00	12.00	341.20	339.10	334.30	550.00	341.50	54.76	341.95	135.71	0.0	0.0	5.72
14478.00	50.00	0.0	0.0	334.50	550.00	342.01	385.75	342.02	251.58	0.0	0.0	1.03
17078.00	2600.00	0.0	0.0	353.70	37.00	355.02	2.04	355.22	45.73	0.0	0.0	3.89
17128.00	50.00	0.0	0.0	354.50	37.00	355.95	5.40	356.07	65.53	0.0	0.0	4.20
17217.00	50.00	377.00	356.50	354.50	37.00	355.95	5.42	356.07	65.67	0.0	0.0	4.19
17267.00	50.00	0.0	0.0	355.30	37.00	356.61	2.02	356.82	45.31	0.0	0.0	3.92

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
800.000	550.000	257.799	0.0	0.0	0.0	69.066	0.0	800.000
11400.000	550.000	304.116	0.0	46.317	0.0	96.979	0.0	10600.000
11450.000	550.000	304.366	0.0	0.250	0.0	488.597	0.0	50.000
11486.000	550.000	306.169	0.0	1.802	0.0	648.623	0.0	36.000
11536.000	550.000	306.145	0.0	-0.024	0.0	126.496	0.0	50.000
13436.000	550.000	328.229	0.0	22.084	0.0	130.177	0.0	1900.000
13486.000	550.000	331.756	0.0	3.527	0.0	167.003	0.0	50.000
13516.000	550.000	331.758	0.0	0.001	0.0	167.049	0.0	30.000

	13566.000	550.000	333.106	0.0	1.349	0.0	145.167	0.0	50.000
	14366.000	550.000	338.853	0.0	5.746	0.0	160.335	0.0	800.000
	14416.000	550.000	338.882	0.0	0.029	0.0	13.000	0.0	50.000
1	14428.000	550.000	341.501	0.0	2.620	0.0	135.708	0.0	12.000
2									
3	14478.000	550.000	342.013	0.0	0.512	0.0	251.581	0.0	50.000
4									
5	17078.000	37.000	355.017	0.0	13.003	0.0	45.729	0.0	2600.000
6									
7	17128.000	37.000	355.953	0.0	0.937	0.0	65.532	0.0	50.000
8									
9	17217.000	37.000	355.954	0.0	0.001	0.0	65.669	0.0	89.000
10									
11	17267.000	37.000	356.614	0.0	0.659	0.0	45.314	0.0	50.000
12									

DATA FOR LAST CROSS SECTION PROFILE

	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
13					
14					
15					
16					
17	1	0.0	0.0	39.798	0.0
18					
19					
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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 TRIB 5 BASIN 24
 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.	0.004400	0.0	0.0	0.	259.000	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	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	VTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

800.00	9.70	260.60	0.0	259.00	260.99	0.39	0.0	0.0	257.60
1700.	411.	1181.	108.	196.	203.	48.	0.	0.	256.80
0.0	2.10	5.81	2.26	0.085	0.060	0.085	0.0	250.90	1135.82
0.004411	800.	800.	800.	0	0	4	0.0	135.31	1271.13

11400.00	8.59	306.59	0.0	0.0	306.80	0.21	45.79	0.02	300.80
1700.	755.	428.	517.	292.	77.	166.	119.	36.	300.90
0.84	2.58	5.52	3.12	0.085	0.060	0.085	0.060	298.00	1260.23
0.004232	10600.	10600.	10600.	6	0	1	0.0	157.76	1418.00

11450.00	8.46	306.86	0.0	0.0	306.87	0.01	0.05	0.02	300.30
1700.	273.	134.	1293.	308.	71.	1645.	121.	36.	300.30
0.86	0.89	1.89	0.79	0.085	0.060	0.085	0.060	298.40	1262.11
0.000437	50.	50.	50.	2	0	1	0.0	695.69	1957.80

SPECIAL BRIDGE

S070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	9.00	0.01	40.00	0.0	298.40	298.40

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
348.93	306.87	0.00	1401.	308.	40.	304.20	304.60	30.00

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T1 TRIB 5 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.004400	0.0	0.0	0.	260.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	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	DLOSS	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

800.00	10.81	261.71	0.0	260.00	262.13	0.42	0.0	0.0	257.60
2450.	778.	1482.	190.	301.	233.	70.	0.	0.	256.80
0.0	2.59	6.36	2.70	0.085	0.060	0.085	0.0	250.90	1123.84
0.004404	800.	900.	800.	0	0	4	0.0	149.86	1273.70
11400.00	9.63	307.63	0.0	0.0	307.87	0.24	45.73	0.02	300.80
2450.	1193.	528.	729.	413.	88.	213.	160.	41.	300.90
0.79	2.89	6.01	3.42	0.085	0.060	0.085	0.060	298.00	1239.32
0.004227	10600.	10600.	10600.	6	0	1	0.0	184.07	1423.39
11450.00	9.52	307.92	0.0	0.0	307.94	0.01	0.04	0.02	300.30
2450.	380.	149.	1921.	427.	81.	2298.	162.	41.	300.30
0.81	0.89	1.85	0.84	0.085	0.060	0.085	0.060	298.40	1233.75
0.000354	50.	50.	50.	2	0	1	0.0	773.68	2007.42

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	9.00	0.01	40.00	0.0	298.40	298.40

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
395.30	307.94	0.00	2171.	280.	40.	304.20	304.60	30.00

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

T1 TRIB 5 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.004400	0.0	0.0	0.	262.000	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

800.00	13.41	264.31	0.0	262.00	264.83	0.52	0.0	0.0	257.60	
4900.	2124.	2298.	478.	601.	303.	135.	0.	0.	256.80	
0.0	3.54	7.58	3.55	0.085	0.060	0.085	0.0	250.90	1095.47	
0.004403	800.	800.	800.	0	0	4	0.0	184.29	1279.76	

11400.00	12.06	310.06	0.0	0.0	310.36	0.30	45.51	0.02	300.80	
4900.	2731.	788.	1381.	775.	112.	346.	276.	52.	300.90	
0.70	3.52	7.03	3.99	0.085	0.060	0.085	0.060	298.00	1193.01	
0.004187	10600.	10600.	10600.	5	0	1	0.0	242.87	1455.88	

11450.00	12.00	310.40	0.0	0.0	310.42	0.02	0.04	0.03	300.30	
4900.	790.	199.	3911.	839.	103.	3979.	280.	53.	300.30	
0.71	0.94	1.93	0.98	0.085	0.060	0.085	0.060	298.40	1170.84	
0.000279	50.	50.	50.	2	0	1	0.0	919.29	2090.13	

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	9.00	0.01	40.00	0.0	298.40	298.40

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	OWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
659.93	310.42	0.00	4661.	255.	40.	304.20	304.60	30.00

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
14416.00	50.00	0.0	0.0	334.30	550.00	338.88	23.20	340.79	13.00	0.0	0.0	11.10
14416.00	50.00	0.0	0.0	334.30	1700.00	342.66	123.49	343.32	246.18	0.0	0.0	8.72
14416.00	50.00	0.0	0.0	334.30	2450.00	343.06	162.38	343.82	257.65	0.0	0.0	9.89
14416.00	50.00	0.0	0.0	334.30	4900.00	343.99	278.64	345.03	284.22	0.0	0.0	12.41
14428.00	12.00	341.20	339.10	334.30	550.00	341.50	54.76	341.95	135.71	0.0	0.0	5.72
14428.00	12.00	341.20	339.10	334.30	1700.00	343.98	277.69	344.10	284.03	0.0	0.0	4.32
14428.00	12.00	341.20	339.10	334.30	2450.00	344.71	394.77	344.85	305.01	0.0	0.0	4.61
14428.00	12.00	341.20	339.10	334.30	4900.00	346.60	803.79	346.77	358.83	0.0	0.0	5.11
14478.00	50.00	0.0	0.0	334.50	550.00	342.01	385.75	342.02	251.58	0.0	0.0	1.03
14478.00	50.00	0.0	0.0	334.50	1700.00	344.14	809.63	344.16	308.80	0.0	0.0	1.82
14478.00	50.00	0.0	0.0	334.50	2450.00	344.89	997.92	344.92	328.82	0.0	0.0	2.25
14478.00	50.00	0.0	0.0	334.50	4900.00	346.80	1582.52	346.87	380.20	0.0	0.0	3.19
17078.00	2600.00	0.0	0.0	353.70	37.00	355.02	2.04	355.22	45.73	0.0	0.0	3.89
17078.00	2600.00	0.0	0.0	353.70	48.00	355.13	2.80	355.33	61.60	0.0	0.0	4.00
17078.00	2600.00	0.0	0.0	353.70	52.00	355.16	3.04	355.36	65.64	0.0	0.0	4.08
17078.00	2600.00	0.0	0.0	353.70	61.00	355.21	3.50	355.42	72.86	0.0	0.0	4.30
17128.00	50.00	0.0	0.0	354.50	37.00	355.95	5.40	356.07	65.53	0.0	0.0	4.20
17128.00	50.00	0.0	0.0	354.50	48.00	356.00	6.70	356.13	72.17	0.0	0.0	4.51
17128.00	50.00	0.0	0.0	354.50	52.00	356.02	7.19	356.15	74.42	0.0	0.0	4.59
17128.00	50.00	0.0	0.0	354.50	61.00	356.05	8.22	356.19	78.83	0.0	0.0	4.79
17217.00	89.00	377.00	356.50	354.50	37.00	355.95	5.42	356.07	65.67	0.0	0.0	4.19
17217.00	89.00	377.00	356.50	354.50	48.00	356.00	6.74	356.13	72.34	0.0	0.0	4.49
17217.00	89.00	377.00	356.50	354.50	52.00	356.02	7.23	356.15	74.59	0.0	0.0	4.57
17217.00	89.00	377.00	356.50	354.50	61.00	356.05	8.27	356.19	79.04	0.0	0.0	4.77
17267.00	50.00	0.0	0.0	355.30	37.00	356.61	2.02	356.82	45.31	0.0	0.0	3.92
17267.00	50.00	0.0	0.0	355.30	48.00	356.72	2.76	356.93	60.77	0.0	0.0	4.05
17267.00	50.00	0.0	0.0	355.30	52.00	356.75	3.00	356.96	65.09	0.0	0.0	4.11
17267.00	50.00	0.0	0.0	355.30	61.00	356.83	3.74	357.02	76.36	0.0	0.0	4.08
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
800.000	550.000	257.799	0.0	0.0	0.0	69.066	0.0	800.000				
800.000	1700.000	260.604	2.804	0.0	0.0	135.308	-66.241	800.000				
800.000	2450.000	261.706	1.103	0.0	0.0	149.862	-80.795	800.000				
800.000	4900.000	264.307	2.601	0.0	0.0	184.287	-115.221	800.000				
11400.000	550.000	304.116	0.0	46.317	0.0	96.979	0.0	10600.000				
11400.000	1700.000	306.588	2.471	45.985	0.0	157.764	-60.784	10600.000				
11400.000	2450.000	307.634	1.046	45.928	0.0	184.068	-87.088	10600.000				
11400.000	4900.000	310.056	2.422	45.749	0.0	242.867	-145.888	10600.000				
11450.000	550.000	304.366	0.0	0.250	0.0	488.597	0.0	50.000				
11450.000	1700.000	306.855	2.489	0.267	0.0	695.689	-207.092	50.000				
11450.000	2450.000	307.923	1.068	0.289	0.0	773.676	-285.079	50.000				
11450.000	4900.000	310.404	2.481	0.348	0.0	919.293	-430.696	50.000				
11486.000	550.000	306.169	0.0	1.802	0.0	648.623	0.0	36.000				
11486.000	1700.000	308.228	2.059	1.373	0.0	796.042	-147.419	36.000				
11486.000	2450.000	309.057	0.829	1.134	0.0	850.320	-201.697	36.000				
11486.000	4900.000	311.339	2.282	0.935	0.0	989.298	-340.675	36.000				
11536.000	550.000	306.145	0.0	-0.024	0.0	126.496	0.0	50.000				

	11536.000	1700.000	308.156	2.011	-0.072	0.0	177.093	-50.596	50.000	
	11536.000	2450.000	308.956	0.801	-0.101	0.0	197.243	-70.746	50.000	
	11536.000	4900.000	311.187	2.230	-0.152	0.0	249.719	-123.223	50.000	
	13436.000	550.000	328.229	0.0	22.084	0.0	130.177	0.0	1900.000	
	13436.000	1700.000	329.210	0.981	21.055	0.0	160.903	-30.725	1900.000	
1	13436.000	2450.000	329.676	0.466	20.720	0.0	175.490	-45.312	1900.000	1
2	13436.000	4900.000	330.852	1.175	19.665	0.0	197.932	-67.754	1900.000	2
3										3
4	13486.000	550.000	331.756	0.0	3.527	0.0	167.003	0.0	50.000	4
5	13486.000	1700.000	332.491	0.735	3.281	0.0	184.332	-17.329	50.000	5
6	13486.000	2450.000	332.843	0.352	3.167	0.0	188.384	-21.381	50.000	6
7	13486.000	4900.000	333.860	1.017	3.009	0.0	200.110	-33.107	50.000	7
8										8
9	13516.000	550.000	331.758	0.0	0.001	0.0	167.049	0.0	30.000	9
10	13516.000	1700.000	332.496	0.739	0.005	0.0	184.388	-17.339	30.000	10
11	13516.000	2450.000	339.534	7.038	6.691	0.0	297.377	-130.328	30.000	11
12	13516.000	4900.000	340.949	1.415	7.089	0.0	354.143	-187.094	30.000	12
13										13
14	13566.000	550.000	333.106	0.0	1.349	0.0	145.167	0.0	50.000	14
15	13566.000	1700.000	334.327	1.221	1.831	0.0	183.359	-38.192	50.000	15
16	13566.000	2450.000	339.546	5.219	0.011	0.0	260.076	-114.909	50.000	16
17	13566.000	4900.000	340.970	1.424	0.021	0.0	280.718	-135.551	50.000	17
18										18
19	14366.000	550.000	338.853	0.0	5.746	0.0	160.335	0.0	800.000	19
20	14366.000	1700.000	340.716	1.863	6.388	0.0	227.549	-67.214	800.000	20
21	14366.000	2450.000	340.622	-0.094	1.076	0.0	225.015	-64.680	800.000	21
22	14366.000	4900.000	342.813	2.190	1.843	0.0	283.874	-123.539	800.000	22
23										23
24	14416.000	550.000	338.882	0.0	0.029	0.0	13.000	0.0	50.000	24
25	14416.000	1700.000	342.658	3.776	1.943	0.0	246.176	-233.176	50.000	25
26	14416.000	2450.000	343.059	0.400	2.437	0.0	257.653	-244.653	50.000	26
27	14416.000	4900.000	343.985	0.927	1.173	0.0	284.220	-271.220	50.000	27
28										28
29	14428.000	550.000	341.501	0.0	2.620	0.0	135.708	0.0	12.000	29
30	14428.000	1700.000	343.978	2.477	1.320	0.0	284.030	-148.323	12.000	30
31	14428.000	2450.000	344.710	0.732	1.652	0.0	305.010	-169.302	12.000	31
32	14428.000	4900.000	346.602	1.891	2.616	0.0	358.828	-223.121	12.000	32
33										33
34	14478.000	550.000	342.013	0.0	0.512	0.0	251.581	0.0	50.000	34
35	14478.000	1700.000	344.141	2.127	0.163	0.0	308.802	-57.221	50.000	35
36	14478.000	2450.000	344.887	0.746	0.176	0.0	328.820	-77.239	50.000	36
37	14478.000	4900.000	346.799	1.912	0.197	0.0	380.199	-128.618	50.000	37
38										38
39	17078.000	37.000	355.017	0.0	13.003	0.0	45.729	0.0	2600.000	39
40	17078.000	48.000	355.128	0.112	10.988	0.0	61.596	-15.867	2600.000	40
41	17078.000	52.000	355.157	0.029	10.271	0.0	65.640	-19.911	2600.000	41
42	17078.000	61.000	355.208	0.051	8.409	0.0	72.865	-27.135	2600.000	42
43										43
44	17128.000	37.000	355.953	0.0	0.937	0.0	65.532	0.0	50.000	44
45	17128.000	48.000	356.001	0.047	0.872	0.0	72.166	-6.634	50.000	45
46	17128.000	52.000	356.017	0.016	0.860	0.0	74.423	-8.890	50.000	46
47	17128.000	61.000	356.048	0.031	0.840	0.0	78.834	-13.302	50.000	47
48										48
49	17217.000	37.000	355.954	0.0	0.001	0.0	65.669	0.0	89.000	49
50	17217.000	48.000	356.002	0.048	0.001	0.0	72.337	-6.668	89.000	50
51	17217.000	52.000	356.018	0.016	0.001	0.0	74.594	-8.925	89.000	51
52	17217.000	61.000	356.050	0.032	0.001	0.0	79.039	-13.370	89.000	52
53										53
54	17267.000	37.000	356.614	0.0	0.659	0.0	45.314	0.0	50.000	54
55	17267.000	48.000	356.723	0.109	0.721	0.0	60.766	-15.452	50.000	55
56	17267.000	52.000	356.753	0.031	0.735	0.0	65.087	-19.772	50.000	56
57	17267.000	61.000	356.833	0.080	0.783	0.0	76.356	-31.042	50.000	57

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

 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 5 BASIN 24
 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	FO
	-1.	4.	0.	0.	0.004400	0.0	0.0	0.	260.000	0.0

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

J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	550.000	1700.000	2450.000	4900.000	2450.000	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	800.000	12.000	1225.000	1252.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	273.200	1000.000	268.400	1050.000	263.900	1100.000	259.300	1150.000	257.500	1200.000
GR	257.600	1225.000	252.200	1232.000	250.900	1239.000	252.200	1246.000	256.800	1252.000
GR	258.400	1266.000	273.000	1300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	11400.000	12.000	1365.000	1375.000	10600.000	10600.000	10600.000	0.0	0.0	0.0
GR	321.300	1045.000	316.100	1100.000	309.600	1200.000	304.600	1300.000	300.800	1365.000
GR	298.500	1367.000	298.000	1370.000	298.600	1373.000	300.900	1375.000	301.100	1395.000
GR	303.100	1400.000	318.800	1481.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	11450.000	23.000	1362.500	1371.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	321.600	1000.000	314.300	1100.000	308.800	1200.000	307.500	1250.000	305.000	1297.000
GR	300.300	1362.500	298.900	1364.000	298.400	1367.000	298.900	1370.000	300.300	1371.500
GR	301.500	1392.000	303.500	1397.000	304.500	1410.000	303.700	1500.000	303.300	1600.000
GR	303.400	1700.000	304.200	1800.000	305.700	1900.000	307.700	2000.000	310.700	2100.000
GR	312.200	2200.000	312.600	2300.000	313.700	2400.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	9.000	0.010	40.000	0.0	0.0	0.0
X1	11436.000	0.0	0.0	0.0	36.000	36.000	36.000	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
BT	10.000	1000.000	321.600	0.0	1100.000	314.300	0.0	1200.000	308.800	0.0
BT	1300.000	306.100	0.0	1362.500	305.200	300.300	1364.000	305.200	303.300	1367.000
BT	305.100	304.200	1370.000	305.000	303.300	1371.500	305.000	300.300	1400.000	304.600
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	11536.000	12.000	1365.000	1375.000	50.000	50.000	50.000	0.0	0.800	0.0
GR	321.300	1045.000	316.100	1100.000	309.600	1200.000	304.600	1300.000	300.800	1365.000
GR	298.500	1367.000	298.000	1370.000	298.600	1373.000	300.900	1375.000	301.100	1395.000
GR	303.100	1400.000	318.800	1481.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	13436.000	14.000	1563.000	1579.000	1900.000	1900.000	1900.000	0.0	-4.400	0.0
GR	346.800	1270.000	344.900	1300.000	342.600	1390.000	341.900	1400.000	332.000	1485.000
GR	331.900	1500.000	331.200	1563.000	331.000	1565.000	330.600	1571.000	331.000	1577.000
GR	331.500	1579.000	332.200	1600.000	334.400	1650.000	342.900	1700.000	0.0	0.0

	X1	13486.000	20.000	1597.500	1602.500	50.000	50.000	50.000	0.0	0.0	0.0	
	GR	349.200	1000.000	346.100	1100.000	344.300	1200.000	343.100	1300.000	342.400	1348.000	
	GR	340.400	1419.000	339.700	1429.000	330.900	1510.000	330.900	1597.500	328.600	1599.000	
	GR	328.400	1600.000	328.600	1601.000	330.900	1602.500	330.900	1650.000	332.200	1679.000	
	GR	337.800	1692.000	338.000	1700.000	343.500	1800.000	348.200	1900.000	349.900	1930.000	
1	SB	0.900	1.500	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0	1
2												2
3	X1	13516.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	3
4	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	BT	15.000	1000.000	349.200	0.0	1100.000	346.100	0.0	1200.000	344.300	0.0	5
6	BT	1300.000	343.100	0.0	1400.000	341.500	0.0	1500.000	338.700	0.0	1597.500	6
7	BT	335.700	330.900	1599.000	335.700	333.200	1600.000	335.700	333.400	1601.000	335.700	7
8	BT	333.200	1602.500	335.700	330.900	1700.000	338.000	0.0	1800.000	343.500	0.0	8
9	BT	1900.000	348.200	0.0	1930.000	349.900	0.0	0.0	0.0	0.0	0.0	9
10												10
11	X1	13566.000	14.000	1563.000	1579.000	50.000	50.000	50.000	0.0	0.0	0.0	11
12	GR	346.800	1270.000	344.900	1300.000	342.600	1390.000	341.900	1400.000	332.000	1485.000	12
13	GR	331.900	1500.000	331.200	1563.000	331.000	1565.000	330.600	1571.000	331.000	1577.000	13
14	GR	331.500	1579.000	332.200	1600.000	334.400	1650.000	342.900	1700.000	0.0	0.0	14
15												15
16	X1	14366.000	13.000	1324.000	1335.000	800.000	800.000	800.000	0.0	0.0	0.0	16
17	GR	351.700	1000.000	347.800	1100.000	340.200	1200.000	336.100	1300.000	339.200	1324.000	17
18	GR	334.600	1325.000	334.100	1329.000	334.400	1333.000	335.800	1335.000	337.300	1378.000	18
19	GR	339.200	1400.000	346.500	1500.000	350.800	1555.000	0.0	0.0	0.0	0.0	19
20												20
21	X1	14416.000	18.000	1319.000	1332.000	50.000	50.000	50.000	0.0	0.0	0.0	21
22	GR	352.500	1000.000	348.400	1100.000	348.900	1113.000	342.100	1200.000	341.300	1300.000	22
23	GR	341.200	1313.000	341.200	1319.000	337.000	1319.000	335.100	1323.000	334.800	1324.000	23
24	GR	334.300	1327.000	334.500	1330.000	335.400	1332.000	341.600	1332.000	341.600	1338.000	24
25	GR	340.200	1400.000	346.500	1500.000	352.800	1575.000	0.0	0.0	0.0	0.0	25
26	SB	0.900	1.500	2.500	0.0	13.000	0.010	43.000	0.0	0.0	0.0	26
27												27
28	X1	14428.000	0.0	0.0	0.0	12.000	12.000	12.000	0.0	0.0	0.0	28
29	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	BT	10.000	1000.000	352.500	0.0	1100.000	348.400	0.0	1113.000	348.900	0.0	30
31	BT	1200.000	342.100	0.0	1300.000	341.300	0.0	1313.000	341.200	0.0	1313.100	31
32	BT	341.800	0.0	1319.000	341.800	339.100	1332.000	341.800	339.100	1339.900	341.800	32
33	BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
34												34
35	X1	14478.000	13.000	1324.000	1335.000	50.000	50.000	50.000	0.0	0.400	0.0	35
36	GR	351.700	1000.000	347.800	1100.000	340.200	1200.000	336.100	1300.000	339.200	1324.000	36
37	GR	334.600	1325.000	334.100	1329.000	334.400	1333.000	335.800	1335.000	337.300	1378.000	37
38	GR	339.200	1400.000	346.500	1500.000	350.800	1555.000	0.0	0.0	0.0	0.0	38
39	QT	5.000	190.000	360.000	520.000	1100.000	520.000	0.0	0.0	0.0	0.0	39
40												40
41	X1	17078.000	17.000	1115.000	1125.000	2600.000	2600.000	2600.000	0.0	-1.600	0.0	41
42	GR	371.600	892.000	370.100	900.000	368.100	909.000	368.000	928.000	370.500	933.000	42
43	GR	365.300	1000.000	357.000	1100.000	356.100	1115.000	356.100	1116.000	355.300	1120.000	43
44	GR	356.100	1124.000	356.400	1125.000	357.000	1200.000	357.700	1257.000	359.400	1300.000	44
45	GR	363.900	1400.000	366.400	1450.000	0.0	0.0	0.0	0.0	0.0	0.0	45
46	NC	0.020	0.020	0.020	0.100	0.300	0.0	0.0	0.0	0.0	0.0	46
47	ET	5.000	0.0	0.0	0.0	0.0	5.400	0.0	0.0	0.0	0.0	47
48												48
49	X1	17128.000	19.000	1114.000	1116.000	50.000	50.000	50.000	0.0	0.0	0.0	49
50	GR	377.800	845.000	370.800	837.000	369.300	895.000	367.300	904.000	367.200	923.000	50
51	GR	369.700	928.000	364.500	995.000	356.200	1095.000	355.500	1114.000	354.600	1114.500	51
52	GR	354.500	1115.000	354.600	1115.500	355.500	1116.000	356.200	1195.000	356.900	1252.000	52
53	GR	358.500	1295.000	363.000	1395.000	365.500	1445.000	377.000	1680.000	0.0	0.0	53
54	SB	0.900	1.500	2.500	0.0	2.000	0.010	3.000	0.0	0.0	0.0	54
55												55
56	X1	17217.000	0.0	0.0	0.0	89.000	89.000	89.000	0.0	0.0	0.0	56
57	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57
58	BT	10.000	845.000	377.800	0.0	1000.000	377.300	0.0	1100.000	377.000	0.0	58
59	BT	1114.000	377.000	355.500	1114.500	377.000	356.200	1115.000	377.000	356.500	1115.500	59
60	BT	377.000	356.200	1116.000	377.000	355.500	1200.000	377.000	0.0	1680.000	377.000	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 GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
800.00	800.00	0.0	0.0	250.90	2450.00	261.71	369.20	262.13	149.86	0.0	0.0	6.36
11400.00	10600.00	0.0	0.0	298.00	2450.00	307.63	376.85	307.87	184.07	0.0	0.0	6.01
11450.00	50.00	0.0	0.0	298.40	2450.00	307.92	1302.55	307.94	773.68	0.0	0.0	1.85
11486.00	36.00	304.60	304.20	298.40	2450.00	309.06	1968.39	309.06	850.32	0.0	0.0	1.33
11536.00	50.00	0.0	0.0	298.80	2450.00	308.96	444.76	309.14	197.24	0.0	0.0	5.29
13436.00	1900.00	0.0	0.0	326.20	2450.00	329.68	111.99	330.67	175.49	0.0	0.0	11.68
13486.00	50.00	0.0	0.0	328.40	2450.00	332.84	90.18	333.74	188.38	0.0	0.0	12.01
13516.00	30.00	335.70	333.40	328.40	2450.00	339.53	1256.68	339.56	297.38	0.0	0.0	1.74
13566.00	50.00	0.0	0.0	330.60	2450.00	339.55	996.93	339.59	260.08	0.0	0.0	2.56
14366.00	800.00	0.0	0.0	334.10	2450.00	340.62	243.55	340.91	225.02	0.0	0.0	6.59
14416.00	50.00	0.0	0.0	334.30	2450.00	343.06	162.38	343.82	257.65	0.0	0.0	9.89
14428.00	12.00	341.20	339.10	334.30	2450.00	344.71	394.77	344.85	305.01	0.0	0.0	4.61
14478.00	50.00	0.0	0.0	334.50	2450.00	344.89	997.92	344.92	328.82	0.0	0.0	2.25
17078.00	2600.00	0.0	0.0	353.70	520.00	356.13	26.83	356.47	166.54	0.0	0.0	7.36
17128.00	50.00	0.0	0.0	354.50	520.00	356.79	74.99	357.13	155.46	0.0	0.0	6.12
17217.00	89.00	377.00	356.50	354.50	520.00	377.42	50363.92	377.42	832.72	0.0	0.0	0.05
17267.00	50.00	0.0	0.0	355.30	520.00	377.42	10221.78	377.42	558.00	0.0	0.0	0.10
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
800.000	2450.000	261.706	0.0	0.0	0.0	149.862	0.0	800.000				
11400.000	2450.000	307.634	0.0	45.928	0.0	184.068	0.0	10600.000				
11450.000	2450.000	307.923	0.0	0.289	0.0	773.676	0.0	50.000				
11486.000	2450.000	309.057	0.0	1.134	0.0	850.320	0.0	36.000				
11536.000	2450.000	308.956	0.0	-0.101	0.0	197.243	0.0	50.000				
13436.000	2450.000	329.676	0.0	20.720	0.0	175.490	0.0	1900.000				
13486.000	2450.000	332.843	0.0	3.167	0.0	188.384	0.0	50.000				
13516.000	2450.000	339.534	0.0	6.691	0.0	297.377	0.0	30.000				

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

T1 TRIB 5 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FW
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	262.710	0.0
J2	NPROF	IPLLOT	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= 369.20 WSEL= 261.71 ENC Q1= 369.20 WSEL= 262.71 RATIO= 0.0

NAT Q1= 493. RATIOS LOB,CH,ROB= 0.3699 0.5432 0.0868 WSEL= 262.71

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

3470 ENCROACHMENT STATIONS= 1183.0 1252.0 TYPE= 4 TARGET= 0.252

800.00	11.81	262.71	0.0	261.71	261.25	0.54	0.0	0.0	257.60
2450.	710.	1740.	0.	213.	250.	0.	0.	0.	256.80
0.0	3.34	6.69	0.01	0.085	0.060	0.085	0.0	250.90	1182.97
0.004208	800.	800.	800.	0	0	1	0.0	69.04	1252.00

2800 NAT Q1= 376.85 WSEL= 307.63 ENC Q1= 376.85 WSEL= 308.63 RATIO= 0.0
 NAT Q1= 513. RATIOS LOB,CH,ROB= 0.5191 0.1896 0.2913 WSEL= 308.63

3470 ENCROACHMENT STATIONS= 1306.6 1390.7 TYPE= 4 TARGET= 0.265

11400.00	10.44	308.44	0.0	307.63	308.79	0.35	45.51	0.02	300.80
2450.	1310.	622.	518.	346.	96.	117.	126.	19.	300.90
0.64	3.79	6.48	4.42	0.085	0.060	0.085	0.060	298.00	1306.64
0.004382	10600.	10600.	10600.	6	0	1	0.0	84.10	1390.74

2800 NAT Q1= 1302.55 WSEL= 307.92 ENC Q1= 1302.55 WSEL= 308.92 RATIO= 0.0
 NAT Q1= 1878. RATIOS LOB,CH,ROB= 0.1554 0.0504 0.7942 WSEL= 308.92

3470 ENCROACHMENT STATIONS= 1361.3 1783.5 TYPE= 4 TARGET= 0.306

11450.00	10.44	308.84	0.0	307.92	308.86	0.02	0.04	0.03	300.30
2450.	14.	179.	2257.	10.	89.	2195.	127.	19.	300.30
0.65	1.39	2.01	1.03	0.085	0.060	0.085	0.060	298.40	1361.33
0.000367	50.	50.	50.	2	0	1	0.0	422.15	1783.48

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	
8	800.00	800.00	0.0	0.0	250.90	2450.00	261.71	369.20	262.13	149.86	0.0	0.0	6.36
10	800.00	800.00	0.0	0.0	250.90	2450.00	262.71	377.69	263.25	69.04	1182.97	1252.00	6.69
12	11400.00	10600.00	0.0	0.0	298.00	2450.00	307.63	376.85	307.87	184.07	0.0	0.0	6.01
13	11400.00	10600.00	0.0	0.0	298.00	2450.00	308.44	370.10	308.79	84.10	1306.64	1390.74	6.48
15	11450.00	50.00	0.0	0.0	298.40	2450.00	307.92	1302.55	307.94	773.68	0.0	0.0	1.85
16	11450.00	50.00	0.0	0.0	298.40	2450.00	308.84	1279.74	308.86	422.15	1361.33	1783.49	2.01
18	11486.00	36.00	0.0	0.0	298.40	2450.00	309.06	1968.39	309.06	850.32	0.0	0.0	1.33
19	11486.00	36.00	0.0	0.0	298.40	2450.00	309.98	1975.27	309.99	478.32	1346.74	1825.07	1.40
21	11536.00	50.00	0.0	0.0	298.80	2450.00	308.96	444.76	309.14	197.24	0.0	0.0	5.29
22	11536.00	50.00	0.0	0.0	298.80	2450.00	309.82	436.85	310.09	88.66	1303.06	1391.72	5.71
24	13436.00	1900.00	0.0	0.0	326.20	2450.00	329.68	111.99	330.67	175.49	0.0	0.0	11.68
25	13436.00	1900.00	0.0	0.0	326.20	2450.00	330.67	114.29	332.51	64.45	1514.92	1579.38	13.70
27	13486.00	50.00	0.0	0.0	328.40	2450.00	332.84	90.18	333.74	188.38	0.0	0.0	12.01
28	13486.00	50.00	0.0	0.0	328.40	2450.00	333.96	95.90	335.53	79.02	1546.02	1625.03	13.53
30	13516.00	30.00	0.0	0.0	328.40	2450.00	339.53	1256.68	339.56	297.38	0.0	0.0	1.74
31	13516.00	30.00	0.0	0.0	328.40	2450.00	340.65	1370.60	340.68	181.14	1483.84	1664.98	1.71
33	13566.00	50.00	0.0	0.0	330.60	2450.00	339.55	996.93	339.59	260.08	0.0	0.0	2.56
34	13566.00	50.00	0.0	0.0	330.60	2450.00	340.65	1062.84	340.71	154.84	1476.81	1631.65	2.60
36	14366.00	800.00	0.0	0.0	334.10	2450.00	340.62	243.55	340.91	225.02	0.0	0.0	6.59
37	14366.00	800.00	0.0	0.0	334.10	2450.00	341.52	277.06	341.87	114.19	1250.44	1364.64	6.36
39	14416.00	50.00	0.0	0.0	334.30	2450.00	343.06	162.38	343.82	257.65	0.0	0.0	9.89
40	14416.00	50.00	0.0	0.0	334.30	2450.00	343.78	142.60	345.21	92.44	1281.07	1373.51	11.93
42	14428.00	12.00	0.0	0.0	334.30	2450.00	344.71	394.77	344.85	305.01	0.0	0.0	4.61
43	14428.00	12.00	0.0	0.0	334.30	2450.00	345.43	364.29	345.66	150.29	1243.26	1393.55	5.24
45	14478.00	50.00	0.0	0.0	334.50	2450.00	344.89	997.92	344.92	328.82	0.0	0.0	2.25
46	14478.00	50.00	0.0	0.0	334.50	2450.00	345.69	994.74	345.74	174.10	1216.98	1391.08	2.37
48	17078.00	2600.00	0.0	0.0	353.70	520.00	356.13	26.83	356.47	166.54	0.0	0.0	7.36
49	17078.00	2600.00	0.0	0.0	353.70	520.00	356.85	22.27	357.86	31.33	1115.00	1146.33	9.52
51	17128.00	50.00	0.0	0.0	354.50	520.00	356.79	74.99	357.13	155.46	0.0	0.0	6.12
52	17128.00	50.00	0.0	0.0	354.50	520.00	357.81	133.67	358.15	53.05	1114.00	1167.05	3.11
54	17217.00	89.00	0.0	0.0	354.50	520.00	377.42	50363.92	377.42	832.72	0.0	0.0	0.05
55	17217.00	89.00	0.0	0.0	354.50	520.00	378.43	54511.02	378.43	678.79	921.38	1600.17	0.04
57	17267.00	50.00	0.0	0.0	355.30	520.00	377.42	10221.78	377.42	558.00	0.0	0.0	0.10
58	17267.00	50.00	0.0	0.0	355.30	520.00	378.43	10746.66	378.43	496.81	932.05	1428.85	0.09

SECTION DISCHARGE CWSEL CWSEL DIFF CWSEL DIFF CWSEL-WSELK TOPWID T.W. DIFF LENGTH

	NUMBER	CFS	EACH Q	EACH SECTION					
A	300,000	2450.000	261.706	0.0	0.0	0.0	149.862	0.0	800.000
	800,000	2450.000	262.710	1.004	0.0	0.0	69.036	80.826	800.000
B	11400.000	2450.000	307.634	0.0	45.928	0.0	184.068	0.0	10600.000
	11400.000	2450.000	308.438	0.804	45.728	0.0	84.097	99.971	10600.000
1	11450.000	2450.000	307.923	0.0	0.289	0.0	773.676	0.0	50.000
	11450.000	2450.000	308.843	0.920	0.406	0.0	422.155	351.521	50.000
5	11486.000	2450.000	309.057	0.0	1.134	0.0	850.320	0.0	36.000
	11486.000	2450.000	309.977	0.920	1.134	0.0	478.323	371.997	36.000
C	11536.000	2450.000	308.958 309.3	0.0	-0.101	0.0	197.243	0.0	50.000
	11536.000	2450.000	309.816	0.860	-0.161	0.0	88.657	108.586	50.000
D	13436.000	2450.000	329.676	0.0	20.720	0.0	175.490	0.0	1900.000
	13436.000	2450.000	330.666	0.990	20.850	0.0	64.452	111.037	1900.000
14	13486.000	2450.000	332.843	0.0	3.167	0.0	188.384	0.0	50.000
	13486.000	2450.000	333.959	1.116	3.293	0.0	79.016	109.367	50.000
17	13516.000	2450.000	339.534	0.0	6.691	0.0	297.377	0.0	30.000
	13516.000	2450.000	340.650	1.115	6.691	0.0	181.142	116.236	30.000
20	13566.000	2450.000	339.546	0.0	0.011	0.0	260.076	0.0	50.000
	13566.000	2450.000	340.653	1.107	0.003	0.0	154.843	105.233	50.000
E	14366.000	2450.000	340.622 341.6	0.0	1.076	0.0	225.015	0.0	800.000
	14366.000	2450.000	341.517 342.5	0.894	0.863	0.0	114.194	110.822	800.000
26	14416.000	2450.000	343.059	0.0	2.437	0.0	257.653	0.0	50.000
	14416.000	2450.000	343.778	0.719	2.261	0.0	92.444	165.210	50.000
29	14428.000	2450.000	344.710	0.0	1.652	0.0	305.010	0.0	12.000
	14428.000	2450.000	345.429	0.719	1.651	0.0	150.291	154.719	12.000
F	14478.000	2450.000	344.887	0.0	0.176	0.0	328.820	0.0	50.000
	14478.000	2450.000	345.688	0.801	0.259	0.0	174.100	154.720	50.000
35	17078.000	520.000	356.129	0.0	11.243	0.0	166.543	0.0	2600.000
	17078.000	520.000	356.846	0.717	11.158	0.0	31.330	135.213	2600.000
38	17128.000	520.000	356.793	0.0	0.664	0.0	155.459	0.0	50.000
	17128.000	520.000	357.808	1.015	0.962	0.0	53.048	102.411	50.000
41	17217.000	520.000	377.419	0.0	20.627	0.0	832.722	0.0	89.000
	17217.000	520.000	378.434	1.014	20.626	0.0	678.790	153.933	89.000
G	17267.000	520.000	377.419 362.7	0.0	0.0	0.0	558.002	0.0	50.000
	17267.000	520.000	378.434 362.7	1.014	-0.000	0.0	496.806	61.196	50.000

ENC. 1

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0		0.0	73.225	0.0
2	4.000		0.048	33.734	-39.491

INFORMATION RECEIVED FROM

CORPS IN LETTER DATED 10 SEPT. 1976
 CONCERNING N & S RAILWAY CROSSING @ X-SECT
 172+60.

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