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 2 HEC2 VERSION UPDATED JAN 1975
 3 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 4 MODIFICATIONS 52,53,54,55,56,57,58
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10 T1 TRIB 1 BASIN 24
 11 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 12 T3 10 YEAR FLOOD WATER SURFACE PROFILE
 13

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.002500	0.0	0.0	0.	256.000	0.0
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLOC	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	540.000	1340.000	1680.000	2870.000	1680.000	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	875.000	14.000	1292.000	1311.000	875.000	875.000	875.000	0.0	0.0	0.0
GR	273.300	1000.000	270.100	1050.000	268.400	1100.000	266.400	1150.000	262.700	1200.000
GR	258.700	1237.000	258.300	1250.000	258.300	1292.000	253.300	1297.000	252.100	1303.000
GR	253.100	1309.000	257.500	1311.000	270.900	1350.000	273.100	1360.000	0.0	0.0
QT	5.000	410.000	1120.000	1200.000	1900.000	1200.000	0.0	0.0	0.0	0.0
X1	6125.000	12.000	216.000	239.000	5250.000	5250.000	5250.000	0.0	-0.800	0.0
GR	300.200	0.0	297.000	72.000	285.500	99.000	285.600	100.000	284.400	200.000
GR	284.400	216.000	280.300	220.000	279.700	227.000	280.800	234.000	285.100	239.000
GR	285.500	258.000	300.000	300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	6175.000	10.000	1246.000	1267.000	57.000	43.000	50.000	0.700	0.0	0.0
GR	300.200	1000.000	296.400	1100.000	294.400	1200.000	294.300	1246.000	279.300	1246.000
GR	279.300	1267.000	294.300	1267.000	294.600	1300.000	297.400	1400.000	300.200	1450.000
SB	1.250	1.500	2.500	0.0	11.000	1.000	150.000	0.0	0.0	0.0
X1	6225.000	0.0	0.0	0.0	50.000	50.000	50.000	0.700	0.0	0.0
X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.700	0.0
BT	8.000	1000.000	300.200	0.0	1100.000	296.400	0.0	1200.000	294.400	0.0
BT	1246.000	294.300	286.800	1267.000	294.300	286.800	1300.000	294.600	0.0	1400.000
BT	297.400	0.0	1450.000	300.200	0.0	0.0	0.0	0.0	0.0	0.0
X1	6275.000	12.000	216.000	239.000	43.000	57.000	50.000	0.0	0.0	0.0
GR	300.200	0.0	297.000	72.000	285.500	99.000	285.600	100.000	284.400	200.000
GR	284.400	216.000	280.300	220.000	279.700	227.000	280.800	234.000	285.100	239.000
GR	285.500	258.000	300.000	300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	8425.000	17.000	4916.000	4928.000	2150.000	2150.000	2150.000	0.0	0.0	0.0
GR	310.600	4590.000	306.600	4600.000	298.300	4618.000	298.300	4700.000	298.300	4716.000
GR	306.300	4739.000	305.100	4757.000	296.700	4800.000	296.200	4808.000	295.800	4900.000
GR	295.300	4916.000	292.000	4919.000	291.000	4923.000	292.000	4927.000	297.000	4928.000
GR	298.700	4950.000	311.900	5000.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	8475.000	13.000	1151.000	1191.000	50.000	50.000	50.000	0.0	0.0	0.0

	GR	312,900	1000,000	307,700	1100,000	305,800	1151,000	296,500	1151,000	293,900	1163,000	
	GR	293,200	1168,000	293,700	1173,000	297,300	1191,000	305,800	1191,000	305,800	1200,000	
	GR	306,800	1300,000	309,800	1400,000	312,900	1472,000	0,0	0,0	0,0	0,0	
	SB	0,900	1,500	2,500	0,0	40,000	0,010	326,000	0,0	0,0	0,0	
	X1	8500,000	0,0	0,0	0,0	25,000	25,000	25,000	0,0	0,0	0,0	
1	X2	0,0	0,0	1,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1
2	BT	8,000	1000,000	312,900	0,0	1100,000	307,700	0,0	1151,000	305,800	303,100	2
3	BT	1191,000	305,800	303,000	1200,000	305,800	0,0	1300,000	306,800	0,0	1400,000	3
4	BT	309,800	0,0	1472,000	312,900	0,0	0,0	0,0	0,0	0,0	0,0	4
5												5
6	X1	8550,000	10,000	99,000	116,000	50,000	50,000	50,000	0,0	0,0	0,0	6
7	GR	314,700	0,0	301,700	64,000	299,200	99,000	295,000	102,000	294,000	106,000	7
8	GR	294,300	110,000	299,600	116,000	298,100	178,000	301,000	200,000	314,800	300,000	8
9	QT	5,000	280,000	860,000	1250,000	2860,000	1250,000	0,0	0,0	0,0	0,0	9
10												10
11	X1	12300,000	11,000	1172,000	1187,000	3750,000	3750,000	3750,000	0,0	-2,000	0,0	11
12	GR	361,700	994,000	361,100	1000,000	348,300	1100,000	341,200	1150,000	341,000	1172,000	12
13	GR	338,900	1174,000	338,500	1179,000	338,700	1184,000	341,200	1187,000	343,500	1200,000	13
14	GR	358,200	1300,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	14
15												15
16	X1	12350,000	16,000	1100,000	1200,000	50,000	50,000	50,000	0,0	0,0	0,0	16
17	GR	362,900	1000,000	361,300	1100,000	356,800	1100,000	351,700	1113,000	346,300	1124,000	17
18	GR	341,300	1137,000	338,200	1150,000	337,500	1153,000	337,000	1156,000	337,200	1159,000	18
19	GR	338,900	1163,000	342,800	1175,000	349,200	1186,000	356,900	1200,000	360,700	1200,000	19
20	GR	361,000	1300,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	20
21	SB	1,250	1,500	2,500	0,0	100,000	7,000	1282,000	0,0	0,0	0,0	21
22												22
23	X1	12360,000	0,0	0,0	0,0	10,000	10,000	10,000	0,0	0,0	0,0	23
24	X2	0,0	0,0	1,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	24
25	BT	4,000	1000,000	362,900	0,0	1100,000	361,300	359,500	1200,000	360,700	359,000	25
26	BT	1300,000	361,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	26
27												27
28	X1	12410,000	11,000	1172,000	1187,000	50,000	50,000	50,000	0,0	-1,000	0,0	28
29	GR	361,700	994,000	361,100	1000,000	348,300	1100,000	341,200	1150,000	341,000	1172,000	29
30	GR	338,900	1174,000	338,500	1179,000	338,700	1184,000	341,200	1187,000	343,500	1200,000	30
31	GR	358,200	1300,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	31
32												32
33	X1	13260,000	11,000	1300,000	1315,000	850,000	850,000	850,000	0,0	0,0	0,0	33
34	GR	375,000	1050,000	371,600	1100,000	363,500	1200,000	356,800	1300,000	353,700	1304,000	34
35	GR	353,000	1307,000	353,700	1310,000	355,700	1315,000	358,500	1400,000	364,100	1500,000	35
36	GR	371,000	1600,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	36
37												37
38	X1	13310,000	14,000	1322,500	1329,500	50,000	50,000	50,000	0,0	0,0	0,0	38
39	GR	375,800	1000,000	369,900	1100,000	363,800	1200,000	362,900	1230,000	356,800	1321,000	39
40	GR	356,600	1322,500	353,700	1324,000	353,100	1326,000	353,700	1328,000	356,600	1329,500	40
41	GR	356,600	1365,000	358,500	1420,000	364,100	1520,000	371,000	1620,000	0,0	0,0	41
42	SB	0,900	1,500	2,500	0,0	7,000	0,010	38,500	0,0	0,0	0,0	42
43												43
44	X1	13350,000	0,0	0,0	0,0	40,000	40,000	40,000	0,0	0,0	0,0	44
45	X2	0,0	0,0	1,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	45
46	BT	13,000	1000,000	375,800	0,0	1100,000	369,900	0,0	1200,000	363,800	0,0	46
47	BT	1300,000	360,800	0,0	1322,500	360,300	356,600	1324,000	360,300	359,500	1326,000	47
48	BT	360,300	360,100	1328,000	360,300	359,500	1329,500	360,300	356,600	1400,000	360,600	48
49	BT	0,0	1500,000	362,600	0,0	1600,000	368,600	0,0	1700,000	371,200	0,0	49
50												50
51	X1	13400,000	11,000	1300,000	1315,000	50,000	50,000	50,000	0,0	0,100	0,0	51
52	GR	375,000	1050,000	371,600	1100,000	363,500	1200,000	356,800	1300,000	353,700	1304,000	52
53	GR	353,000	1307,000	353,700	1310,000	355,700	1315,000	358,500	1400,000	364,100	1500,000	53
54	GR	371,000	1600,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	54
55	QT	5,000	100,000	450,000	640,000	1620,000	640,000	0,0	0,0	0,0	0,0	55
56												56
57	X1	15360,000	15,000	1522,000	1533,000	1960,000	1960,000	1960,000	0,0	0,0	0,0	57
	GR	388,000	1200,000	383,700	1300,000	378,900	1400,000	374,800	1500,000	372,800	1522,000	
	GR	372,200	1523,000	370,800	1527,000	372,200	1531,000	372,600	1533,000	373,300	1600,000	
	GR	373,300	1700,000	376,000	1750,000	377,700	1800,000	383,100	1900,000	387,100	1950,000	

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES 1

4 10 YEAR FLOOD WATER SURF 5

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
875.00	875.00	0.0	0.0	252.10	540.00	259.96	107.87	260.11	92.76	0.0	0.0	3.57
6125.00	5250.00	0.0	0.0	278.90	410.00	283.28	33.82	283.84	21.50	0.0	0.0	5.98
6175.00	50.00	0.0	0.0	279.30	410.00	284.01	34.60	284.55	14.70	0.0	0.0	5.93
6225.00	50.00	294.30	286.80	279.30	410.00	284.24	23.29	285.25	10.29	0.0	0.0	8.07
6275.00	50.00	0.0	0.0	279.70	410.00	285.54	71.90	285.70	153.48	0.0	0.0	3.46
8425.00	2150.00	0.0	0.0	291.00	410.00	296.73	41.28	297.02	128.13	0.0	0.0	5.17
8475.00	50.00	0.0	0.0	293.20	410.00	297.24	39.20	297.55	38.76	0.0	0.0	4.48
8500.00	25.00	305.80	303.10	293.20	410.00	297.24	39.20	297.55	38.76	0.0	0.0	4.48
8550.00	50.00	0.0	0.0	294.00	410.00	298.14	18.71	299.59	16.44	0.0	0.0	9.68
12300.00	3750.00	0.0	0.0	336.50	280.00	340.97	46.98	341.10	59.39	0.0	0.0	3.38
12350.00	50.00	0.0	0.0	337.00	280.00	341.16	30.01	341.39	32.36	0.0	0.0	3.86
12360.00	10.00	360.70	359.50	337.00	280.00	341.21	30.92	341.43	32.73	0.0	0.0	3.78
12410.00	50.00	0.0	0.0	337.50	280.00	341.58	36.66	341.78	54.47	0.0	0.0	4.03
13260.00	850.00	0.0	0.0	353.00	280.00	356.67	16.29	357.39	44.42	0.0	0.0	7.13
13310.00	50.00	0.0	0.0	353.10	280.00	358.04	29.89	358.18	103.93	0.0	0.0	4.32
13350.00	40.00	360.30	360.10	353.10	280.00	358.04	29.92	358.18	103.98	0.0	0.0	4.32
13400.00	50.00	0.0	0.0	353.10	280.00	358.32	55.47	358.40	112.68	0.0	0.0	2.90
15360.00	1960.00	0.0	0.0	370.80	100.00	373.17	5.86	373.49	69.38	0.0	0.0	5.11
15410.00	50.00	0.0	0.0	370.80	100.00	373.99	12.34	374.12	18.32	0.0	0.0	3.27
15450.00	40.00	377.20	370.80	370.80	100.00	374.14	13.47	374.25	18.90	0.0	0.0	3.06
15500.00	50.00	0.0	0.0	370.80	100.00	374.30	52.24	374.31	213.11	0.0	0.0	0.85

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
875.000	540.000	259.955	0.0	0.0	0.0	92.764	0.0	875.000
6125.000	410.000	283.281	0.0	23.326	0.0	21.501	0.0	5250.000
6175.000	410.000	284.010	0.0	0.729	0.0	14.700	0.0	50.000
6225.000	410.000	284.236	0.0	0.226	0.0	10.290	0.0	50.000

	6275.000	410.000	285.539	0.0	1.303	0.0	153,479	0.0	50,000		
	8425.000	410.000	296.734	0.0	11.195	0.0	128,125	0.0	2150,000		
	8475.000	410.000	297.238	0.0	0.504	0.0	38,760	0.0	50,000		
1	8500.000	410.000	297.238	0.0	0.0	0.0	38,760	0.0	25,000	1	
2										2	
3	8550.000	410.000	298.137	0.0	0.899	0.0	16,437	0.0	50,000	3	
4										4	
5	12300.000	280.000	340.965	0.0	42.828	0.0	59,392	0.0	3750,000	5	
6										6	
7	12350.000	280.000	341.161	0.0	0.196	0.0	32,362	0.0	50,000	7	
8										8	
9	12360.000	280.000	341.210	0.0	0.049	0.0	32,733	0.0	10,000	9	
10										10	
11	12410.000	280.000	341.576	0.0	0.366	0.0	54,472	0.0	50,000	11	
12										12	
13	13260.000	280.000	356.674	0.0	15.098	0.0	44,422	0.0	850,000	13	
14										14	
15	13310.000	280.000	358.035	0.0	1.361	0.0	103,934	0.0	50,000	15	
16										16	
17	13350.000	280.000	358.035	0.0	0.0	0.0	103,979	0.0	40,000	17	
18										18	
19	13400.000	280.000	358.319	0.0	0.284	0.0	112,680	0.0	50,000	19	
20										20	
21	15360.000	100.000	373.167	0.0	14.848	0.0	69,378	0.0	1960,000	21	
22										22	
23	15410.000	100.000	373.992	0.0	0.825	0.0	18,318	0.0	50,000	23	
24										24	
25	15450.000	100.000	374.143	0.0	0.150	0.0	18,898	0.0	40,000	25	
26										26	
27	15500.000	100.000	374.304	0.0	0.161	0.0	213,113	0.0	50,000	27	
28										28	
29	DATA FOR LAST CROSS SECTION										29
30	PROFILE	TYPE	ENC	TARGET	TOP WIDTH	TOP WIDTH				30	
31					AREA-ACRES	AREA-DIFF				31	
32										32	
33	1	0.0	0.0		23.047	0.0				33	
34										34	
35										35	
36										36	
37										37	
38										38	
39										39	
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42										42	
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52										52	
53										53	
54										54	
55										55	
56										56	
57										57	

 HEC2 VERSION UPDATED JAN 1975
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 MODIFICATIONS 52,53,54,55,56,57,58

T1 TRIB 1 BASIN 24
 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.	0.002500	0.0	0.0	0.	258.000	0.0

J2	NPROF	IPLQT	PREVS	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	ENDST

875.00	10.26	262.36	0.0	258.00	262.55	0.19	0.0	0.0	258.30
1340.	565.	723.	52.	282.	163.	34.	0.	0.	257.50
0.0	2.00	4.42	1.52	0.085	0.060	0.085	0.0	252.10	1203.18
0.002487	875.	875.	875.	0	0	6	0.0	121.95	1325.13

6125.00	6.35	285.24	285.14	0.0	285.85	0.61	23.18	0.12	285.60
1120.	281.	816.	23.	132.	113.	15.	45.	17.	284.30
0.25	2.13	7.21	1.57	0.085	0.060	0.085	0.060	278.90	97.71
0.012173	5250.	5250.	5250.	14	12	1	0.0	161.88	259.59

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	ENDST

6175.00	5.63	284.93	284.93	0.0	287.77	2.84	1.20	0.0	294.30
1120.	0.	1120.	0.	0.	83.	0.	45.	17.	294.30
0.25	0.0	13.53	0.0	0.085	0.060	0.085	0.060	279.30	1172.20
0.063603	57.	50.	43.	3	11	1	0.0	14.70	1186.90

 HEC2 VERSION UPDATED JAN 1975
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T1 TRIB 1 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	FQ
	-10.	4.	0.	0.	0.002500	0.0	0.0	0.	260.000	0.0
J2	NPROF	TPLT	PREVS	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	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
875.00	10.97	263.07	0.0	260.00	263.28	0.21	0.0	0.0	258.30
1680.	776.	828.	75.	349.	177.	45.	0.	0.	257.50
0.0	2.23	4.68	1.67	0.085	0.060	0.085	0.0	252.10	1194.97
0.002503	875.	875.	875.	0	0	5	0.0	132.25	1327.22
6125.00	6.39	285.29	285.20	0.0	285.95	0.67	22.54	0.14	283.60
1200.	309.	865.	26.	136.	114.	15.	50.	18.	284.30
0.24	2.27	7.59	1.69	0.085	0.060	0.085	0.060	278.90	97.63
0.013383	5250.	5250.	5250.	15	16	1	0.0	162.05	259.69

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
6175.00	5.89	285.19	285.19	0.0	288.17	2.98	1.28	0.0	294.30
1200.	0.	1200.	0.	0.	87.	0.	51.	18.	294.30
0.24	0.0	13.85	0.0	0.085	0.060	0.085	0.060	279.30	1172.20
0.064379	57.	50.	43.	4	11	1	0.0	14.70	1186.90

 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 1 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	FG
	-10.	5.	0.	0.	0.002500	0.0	0.0	0.	262.000	0.0

J2	NPROF	IPLT	PREVS	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	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

875.00	12.93	265.03	0.0	262.00	265.27	0.24	0.0	0.0	258.30
2870.	1556.	1145.	169.	565.	214.	83.	0.	0.	257.50
0.0	2.76	5.35	2.05	0.085	0.060	0.085	0.0	252.10	1168.51
0.002531	875.	875.	875.	0	0	4	0.0	164.41	1332.92
6125.00	7.29	286.19	285.71	0.0	286.79	0.60	21.41	0.11	283.60
1900.	745.	1065.	90.	244.	135.	35.	77.	20.	284.30
0.25	3.05	7.90	2.56	0.085	0.060	0.085	0.060	278.90	95.51
0.011587	5250.	5250.	5250.	18	11	1	0.0	166.80	262.31

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

6175.00	8.04	287.34	287.34	0.0	291.35	4.02	1.20	0.0	294.30
1900.	0.	1900.	0.	0.	118.	0.	77.	20.	294.30
0.25	0.0	16.08	0.0	0.085	0.060	0.085	0.060	279.30	1172.20
0.070151	57.	50.	43.	30	8	1	0.0	14.70	1186.90

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION CHANNEL MIN EL. OF MAX EL. OF MIN EL. DISCHARGE CWSEL TO LG TOPWID STENCL STENCR VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

9		875.00	875.00	0.0	0.0	252.10	540.00	259.96	107.87	260.11	92.76	0.0	0.0	3.57
10	A	875.00	875.00	0.0	0.0	252.10	1340.00	262.35	268.70	262.55	121.95	0.0	0.0	4.42
11		875.00	875.00	0.0	0.0	252.10	1640.00	263.07	335.82	263.28	132.25	0.0	0.0	4.68
12		875.00	875.00	0.0	0.0	252.10	2870.00	265.03	570.46	265.27	164.41	0.0	0.0	5.35
14		6125.00	5250.00	0.0	0.0	278.90	410.00	283.20	33.82	283.84	21.50	0.0	0.0	5.98
15	B	6125.00	5250.00	0.0	0.0	278.90	1120.00	285.24	101.51	285.85	161.88	0.0	0.0	7.21
16		6125.00	5250.00	0.0	0.0	278.90	1200.00	285.29	103.73	285.95	162.05	0.0	0.0	7.59
17		6125.00	5250.00	0.0	0.0	278.90	1700.00	286.19	176.51	286.79	166.80	0.0	0.0	7.90
19		6175.00	50.00	0.0	0.0	279.30	410.00	284.01	34.60	284.55	14.70	0.0	0.0	5.93
20		6175.00	50.00	0.0	0.0	279.30	1120.00	284.93	44.41	287.77	14.70	0.0	0.0	13.53
21		6175.00	50.00	0.0	0.0	279.30	1200.00	285.19	47.29	288.17	14.70	0.0	0.0	13.85
22		6175.00	50.00	0.0	0.0	279.30	1900.00	287.34	71.74	291.35	14.70	0.0	0.0	16.08
24		6225.00	50.00	294.30	286.80	279.30	410.00	284.24	23.29	285.25	10.29	0.0	0.0	8.07
25		6225.00	50.00	294.30	286.80	279.30	1120.00	286.44	37.76	290.05	10.29	0.0	0.0	15.25
26		6225.00	50.00	294.30	286.80	279.30	1200.00	286.78	40.11	290.55	10.29	0.0	0.0	15.58
27		6225.00	50.00	294.30	286.80	279.30	1900.00	289.46	58.69	294.59	10.29	0.0	0.0	18.18
29		6275.00	50.00	0.0	0.0	279.70	410.00	285.54	71.90	285.70	153.48	0.0	0.0	3.46
30		6275.00	50.00	0.0	0.0	279.70	1120.00	290.43	636.22	290.46	184.88	0.0	0.0	1.76
31	C	6275.00	50.00	0.0	0.0	279.70	1200.00	290.95	727.87	290.98	187.59	0.0	0.0	1.71
32		6275.00	50.00	0.0	0.0	279.70	1900.00	295.11	1664.21	295.12	209.37	0.0	0.0	1.50
34		8425.00	2150.00	0.0	0.0	291.00	410.00	296.73	41.28	297.02	128.13	0.0	0.0	5.17
35	D	8425.00	2150.00	0.0	0.0	291.00	1120.00	297.38	71.22	298.07	136.47	0.0	0.0	8.87
36		8425.00	2150.00	0.0	0.0	291.00	1200.00	297.46	75.38	298.17	137.82	0.0	0.0	9.06
37		8425.00	2150.00	0.0	0.0	291.00	1900.00	297.90	102.33	298.89	145.72	0.0	0.0	11.16
39		8475.00	50.00	0.0	0.0	293.20	410.00	297.24	39.20	297.55	38.76	0.0	0.0	4.48
40		8475.00	50.00	0.0	0.0	293.20	1120.00	298.35	71.95	299.41	40.00	0.0	0.0	8.24
41		8475.00	50.00	0.0	0.0	293.20	1200.00	298.42	74.45	299.58	40.00	0.0	0.0	8.64
42		8475.00	50.00	0.0	0.0	293.20	1900.00	299.05	96.07	301.14	40.00	0.0	0.0	11.61
44		8500.00	25.00	305.40	303.10	293.20	410.00	297.24	39.20	297.55	38.76	0.0	0.0	4.48
45		8500.00	25.00	305.80	303.10	293.20	1120.00	298.35	71.96	299.41	40.00	0.0	0.0	8.24
46		8500.00	25.00	305.80	303.10	293.20	1200.00	298.43	74.45	299.59	40.00	0.0	0.0	8.64
47		8500.00	25.00	305.80	303.10	293.20	1900.00	299.05	96.20	301.14	40.00	0.0	0.0	11.60
49		8550.00	50.00	0.0	0.0	294.00	410.00	298.14	18.71	299.59	16.44	0.0	0.0	9.68
50	E	8550.00	50.00	0.0	0.0	294.00	1120.00	300.33	71.30	301.25	111.72	0.0	0.0	9.24
51		8550.00	50.00	0.0	0.0	294.00	1200.00	300.50	79.63	301.36	115.43	0.0	0.0	9.09
52		8550.00	50.00	0.0	0.0	294.00	1900.00	301.77	160.51	302.38	141.80	0.0	0.0	8.35
54		12300.00	3750.00	0.0	0.0	336.50	240.00	340.97	46.98	341.10	59.39	0.0	0.0	3.38
55		12300.00	3750.00	0.0	0.0	336.50	860.00	342.74	112.43	343.03	83.37	0.0	0.0	5.38
56		12300.00	3750.00	0.0	0.0	336.50	1250.00	343.48	150.87	343.77	92.19	0.0	0.0	6.48
57		12300.00	3750.00	0.0	0.0	336.50	2400.00	345.21	281.23	345.52	117.56	0.0	0.0	9.48

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	
1	15500.00	50.00	0.0	0.0	370.80	100.00	374.30	52.24	374.31	213.11	0.0	0.0	0.85
2	15500.00	50.00	0.0	0.0	370.80	450.00	377.80	561.15	377.80	375.11	0.0	0.0	0.63
3	15500.00	50.00	0.0	0.0	370.80	640.00	378.11	634.65	378.11	388.14	0.0	0.0	0.82
4	15500.00	50.00	0.0	0.0	370.80	1620.00	379.02	888.21	379.04	427.03	0.0	0.0	1.63
5													
6													
7													
8													
9													
10	875.000	540.000	259.955	0.0	0.0	0.0	92.764	0.0	875.000				
11	875.000	1340.000	262.355	2.400	0.0	0.0	121.947	-29.183	875.000				
12	875.000	1680.000	263.072	0.717	0.0	0.0	132.246	-39.482	875.000				
13	375.000	2870.000	265.030	1.958	0.0	0.0	164.410	-71.646	875.000				
14													
15	6125.000	410.000	283.281	0.0	23.326	0.0	21.501	0.0	5250.000				
16	6125.000	1120.000	285.245	1.964	22.890	0.0	161.878	-140.377	5250.000				
17	6125.000	1200.000	285.287	0.042	22.215	0.0	162.052	-140.550	5250.000				
18	6125.000	1900.000	286.187	0.900	21.157	0.0	166.796	-145.295	5250.000				
19													
20	6175.000	410.000	284.010	0.0	0.729	0.0	14.700	0.0	50.000				
21	6175.000	1120.000	284.930	0.921	-0.314	0.0	14.700	0.0	50.000				
22	6175.000	1200.000	285.194	0.264	-0.093	0.0	14.700	0.0	50.000				
23	6175.000	1900.000	287.336	2.142	1.149	0.0	14.700	0.0	50.000				
24													
25	6225.000	410.000	284.236	0.0	0.226	0.0	10.290	0.0	50.000				
26	6225.000	1120.000	286.438	2.202	1.508	0.0	10.290	0.0	50.000				
27	6225.000	1200.000	286.784	0.347	1.590	0.0	10.290	0.0	50.000				
28	6225.000	1900.000	289.455	2.670	2.119	0.0	10.290	0.0	50.000				
29													
30	6275.000	410.000	285.539	0.0	1.303	0.0	153.479	0.0	50.000				
31	6275.000	1120.000	290.435	4.896	3.997	0.0	184.878	-31.399	50.000				
32	6275.000	1200.000	290.952	0.517	4.168	0.0	187.592	-34.113	50.000				
33	6275.000	1900.000	295.105	4.153	5.650	0.0	209.373	-55.894	50.000				
34													
35	8425.000	410.000	296.734	0.0	11.195	0.0	128.125	0.0	2150.000				
36	8425.000	1120.000	297.384	0.650	6.949	0.0	136.469	-8.344	2150.000				
37	8425.000	1200.000	297.458	0.075	6.507	0.0	137.824	-9.699	2150.000				
38	8425.000	1900.000	297.896	0.437	2.791	0.0	145.719	-17.594	2150.000				
39													
40	8475.000	410.000	297.238	0.0	0.504	0.0	38.760	0.0	50.000				
41	8475.000	1120.000	298.351	1.112	0.967	0.0	40.000	-1.240	50.000				
42	8475.000	1200.000	298.425	0.074	0.966	0.0	40.000	-1.240	50.000				
43	8475.000	1900.000	299.046	0.621	1.150	0.0	40.000	-1.240	50.000				
44													
45	8500.000	410.000	297.238	0.0	0.0	0.0	38.760	0.0	25.000				
46	8500.000	1120.000	298.352	1.113	0.001	0.0	40.000	-1.240	25.000				
47	8500.000	1200.000	298.426	0.075	0.001	0.0	40.000	-1.240	25.000				
48	8500.000	1900.000	299.049	0.623	0.003	0.0	40.000	-1.240	25.000				
49													
50	8550.000	410.000	298.137	0.0	0.899	0.0	16.437	0.0	50.000				
51	8550.000	1120.000	300.329	2.192	1.978	0.0	111.722	-95.285	50.000				
52	8550.000	1200.000	300.500	0.172	2.074	0.0	115.427	-98.990	50.000				
53	8550.000	1900.000	301.706	1.265	2.717	0.0	141.797	-125.360	50.000				
54													
55	12300.000	280.000	340.965	0.0	42.828	0.0	59.392	0.0	3750.000				
56	12300.000	860.000	342.740	1.775	42.411	0.0	83.369	-23.977	3750.000				
57	12300.000	1250.000	343.375	0.635	42.875	0.0	92.188	-32.796	3750.000				
	12300.000	2860.000	345.709	1.834	43.444	0.0	117.564	-58.171	3750.000				
	12350.000	280.000	341.161	0.0	0.196	0.0	32.362	0.0	50.000				

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J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	0.002500	0.0	0.0	0.	260.000	0.0
J2	NPROF	IPL0T	PREVS	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	540.000	1340.000	1680.000	2870.000	1680.000	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	875.000	14.000	1292.000	1311.000	875.000	875.000	875.000	0.0	0.0	0.0
GR	275.300	1000.000	270.100	1050.000	268.400	1100.000	266.400	1150.000	262.700	1200.000
A GR	258.700	1237.000	258.300	1250.000	256.300	1292.000	253.300	1297.000	252.100	1303.000
GR	253.100	1309.000	257.500	1311.000	270.900	1350.000	273.100	1360.000	0.0	0.0
QT	5.000	410.000	1120.000	1200.000	1900.000	1200.000	0.0	0.0	0.0	0.0
X1	6125.000	12.000	216.000	239.000	5250.000	5250.000	5250.000	0.0	-0.800	0.0
B GR	300.200	0.0	297.000	72.000	285.500	99.000	285.600	100.000	284.400	200.000
GR	284.400	216.000	280.300	220.000	279.700	227.000	280.800	234.000	285.100	239.000
GR	285.500	258.000	300.000	300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	6175.000	10.000	1246.000	1267.000	57.000	43.000	50.000	0.700	0.0	0.0
GR	300.200	1000.000	296.400	1100.000	294.400	1200.000	294.300	1246.000	279.300	1246.000
GR	279.300	1267.000	294.300	1267.000	294.600	1300.000	297.400	1400.000	300.200	1450.000
SB	1.250	1.500	2.500	0.0	11.000	1.000	150.000	0.0	0.0	0.0
X1	6225.000	0.0	0.0	0.0	50.000	50.000	50.000	0.700	0.0	0.0
X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.700	0.0
H1	8.000	1000.000	300.200	0.0	1100.000	296.400	0.0	1200.000	294.400	0.0
BT	1246.000	294.300	286.800	1267.000	294.300	286.800	1300.000	294.600	0.0	1400.000
BT	297.400	0.0	1450.000	300.200	0.0	0.0	0.0	0.0	0.0	0.0
X1	6275.000	12.000	216.000	239.000	43.000	57.000	50.000	0.0	0.0	0.0
C GR	300.200	0.0	297.000	72.000	285.500	99.000	285.600	100.000	284.400	200.000
GR	284.400	216.000	280.300	220.000	279.700	227.000	280.800	234.000	285.100	239.000
GR	285.500	258.000	300.000	300.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	8425.000	17.000	4916.000	4928.000	2150.000	2150.000	2150.000	0.0	0.0	0.0
D GR	310.600	4590.000	306.600	4600.000	298.300	4618.000	298.300	4700.000	298.300	4716.000
GR	306.300	4739.000	305.100	4757.000	296.700	4800.000	296.200	4808.000	295.800	4900.000
GR	295.300	4916.000	292.000	4919.000	291.000	4923.000	292.000	4927.000	297.000	4928.000
GR	298.700	4950.000	311.900	5000.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	8475.000	13.000	1151.000	1191.000	50.000	50.000	50.000	0.0	0.0	0.0

	GR	312,900	1000,000	307,700	1100,000	305,800	1151,000	296,500	1151,000	293,900	1163,000	
	GR	293,200	1168,000	293,700	1173,000	297,500	1191,000	305,800	1191,000	305,800	1200,000	
	GR	306,800	1300,000	309,800	1400,000	312,900	1472,000	0.0	0.0	0.0	0.0	
	SB	0,900	1,500	2,500	0.0	40,000	0.010	326,000	0.0	0.0	0.0	
	X1	8500,000	0.0	0.0	0.0	25,000	25,000	25,000	0.0	0.0	0.0	
1	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	BT	8,000	1000,000	312,900	0.0	1100,000	307,700	0.0	1151,000	305,800	303,100	2
3	BT	1191,000	305,800	303,000	1200,000	305,800	0.0	1300,000	306,800	0.0	1400,000	3
4	BT	309,800	0.0	1472,000	312,900	0.0	0.0	0.0	0.0	0.0	0.0	4
5												5
6	X1	8550,000	10,000	99,000	116,000	50,000	50,000	50,000	0.0	0.0	0.0	6
7	GR	314,700	0.0	301,700	64,000	299,200	99,000	295,000	102,000	294,000	106,000	7
8	GR	294,300	110,000	299,600	116,000	298,100	178,000	301,000	200,000	314,800	300,000	8
9	QT	5,000	280,000	860,000	1250,000	2860,000	1250,000	0.0	0.0	0.0	0.0	9
10	ET	5,000	0.0	0.0	0.0	0.0	7,100	1150,000	1200,000	0.0	0.0	10
11												11
12	X1	12300,000	11,000	1172,000	1187,000	3750,000	3750,000	3750,000	0.0	-2,000	0.0	12
13	GR	361,700	994,000	361,100	1000,000	348,300	1100,000	341,200	1150,000	341,000	1172,000	13
14	GR	338,900	1174,000	338,500	1179,000	338,700	1184,000	341,200	1187,000	343,500	1200,000	14
15	GR	358,200	1300,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	ET	5,000	0.0	0.0	0.0	0.0	-10,400	0.0	0.0	0.0	0.0	16
17												17
18	X1	12350,000	16,000	1100,000	1200,000	50,000	50,000	50,000	0.0	0.0	0.0	18
19	GR	362,900	1000,000	361,300	1100,000	356,800	1100,000	351,700	1113,000	346,300	1124,000	19
20	GR	341,300	1137,000	338,200	1150,000	337,500	1153,000	337,000	1156,000	337,200	1159,000	20
21	GR	338,900	1163,000	342,800	1175,000	349,200	1186,000	356,900	1200,000	360,700	1200,000	21
22	GR	361,000	1300,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	SB	1,250	1,500	2,500	0.0	100,000	7,000	1282,000	0.0	0.0	0.0	23
24												24
25	X1	12360,000	0.0	0.0	0.0	10,000	10,000	10,000	0.0	0.0	0.0	25
26	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	BT	4,000	1000,000	362,900	0.0	1100,000	361,300	359,500	1200,000	360,700	359,000	27
28	BT	1300,000	361,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29												29
30	X1	12410,000	11,000	1172,000	1187,000	50,000	50,000	50,000	0.0	-1,000	0.0	30
31	GR	361,700	994,000	361,100	1000,000	348,300	1100,000	341,200	1150,000	341,000	1172,000	31
32	GR	338,900	1174,000	338,500	1179,000	338,700	1184,000	341,200	1187,000	343,500	1200,000	32
33	GR	358,200	1300,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
34												34
35	X1	13260,000	11,000	1300,000	1315,000	850,000	850,000	850,000	0.0	0.0	0.0	35
36	GR	375,000	1050,000	371,600	1100,000	363,500	1200,000	356,800	1300,000	353,700	1304,000	36
37	GR	353,000	1307,000	353,700	1310,000	355,700	1315,000	358,500	1400,000	364,100	1500,000	37
38	GR	371,000	1600,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38
39												39
40	X1	13310,000	14,000	1322,500	1329,500	50,000	50,000	50,000	0.0	0.0	0.0	40
41	GR	375,800	1000,000	369,900	1100,000	363,800	1200,000	362,900	1230,000	356,800	1321,000	41
42	GR	356,600	1322,500	353,700	1324,000	353,100	1326,000	353,700	1328,000	356,600	1329,500	42
43	GR	356,600	1365,000	358,500	1420,000	364,100	1520,000	371,000	1620,000	0.0	0.0	43
44	SB	0,900	1,500	2,500	0.0	7,000	0.010	38,500	0.0	0.0	0.0	44
45												45
46	X1	13350,000	0.0	0.0	0.0	40,000	40,000	40,000	0.0	0.0	0.0	46
47	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47
48	BT	12,000	1000,000	375,800	0.0	1100,000	369,900	0.0	1200,000	363,800	0.0	48
49	BT	1300,000	360,800	0.0	1322,500	360,300	356,600	1324,000	360,300	359,500	1326,000	49
50	BT	360,300	360,100	1328,000	360,300	359,500	1329,500	360,300	356,600	1400,000	360,600	50
51	BT	0.0	1500,000	362,600	0.0	1600,000	368,600	0.0	1700,000	371,200	0.0	51
52												52
53	X1	13400,000	11,000	1300,000	1315,000	50,000	50,000	50,000	0.0	0.100	0.0	53
54	GR	375,000	1050,000	371,600	1100,000	363,500	1200,000	356,800	1300,000	353,700	1304,000	54
55	GR	353,000	1307,000	353,700	1310,000	355,700	1315,000	358,500	1400,000	364,100	1500,000	55
56	GR	371,000	1600,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56
57	QT	5,000	100,000	450,000	640,000	1620,000	640,000	0.0	0.0	0.0	0.0	57
	X1	15360,000	15,000	1522,000	1533,000	1960,000	1960,000	1960,000	0.0	0.0	0.0	
	GR	388,000	1200,000	383,700	1300,000	378,900	1400,000	374,800	1500,000	372,800	1522,000	

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
875.00	875.00	0.0	0.0	252.10	1680.00	263.07	335.82	263.28	132.25	0.0	0.0	4.68
6125.00	5250.00	0.0	0.0	278.90	1200.00	285.29	103.73	285.95	162.05	0.0	0.0	7.59
6175.00	50.00	0.0	0.0	279.30	1200.00	285.19	47.29	288.17	14.70	0.0	0.0	13.85
6225.00	50.00	294.30	286.80	279.30	1200.00	286.78	40.11	290.55	10.29	0.0	0.0	15.58
6275.00	50.00	0.0	0.0	279.70	1200.00	290.95	727.87	290.98	187.59	0.0	0.0	1.71
8425.00	2150.00	0.0	0.0	291.00	1200.00	297.46	75.38	298.17	137.82	0.0	0.0	9.06
8475.00	50.00	0.0	0.0	293.20	1200.00	298.42	74.45	299.58	40.00	0.0	0.0	8.64
8500.00	25.00	305.80	303.10	293.20	1200.00	298.43	74.45	299.59	40.00	0.0	0.0	8.64
8550.00	50.00	0.0	0.0	294.00	1200.00	300.50	79.63	301.36	115.43	0.0	0.0	9.09
12300.00	3750.00	0.0	0.0	336.50	1250.00	343.38	150.87	343.77	92.19	0.0	0.0	6.48
12350.00	50.00	0.0	0.0	337.00	1250.00	343.55	95.46	344.43	45.16	0.0	0.0	7.51
12360.00	10.00	360.70	359.50	337.00	1250.00	343.86	107.03	344.61	46.48	0.0	0.0	6.93
12410.00	50.00	0.0	0.0	337.50	1250.00	344.73	172.23	345.05	97.07	0.0	0.0	5.89
13260.00	850.00	0.0	0.0	353.00	1250.00	358.84	85.95	359.60	136.46	0.0	0.0	9.22
13310.00	50.00	0.0	0.0	353.10	1250.00	360.06	143.65	360.25	175.64	0.0	0.0	5.31
13350.00	40.00	360.30	360.10	353.10	1250.00	362.27	397.50	362.31	248.04	0.0	0.0	2.37
13400.00	50.00	0.0	0.0	353.10	1250.00	362.31	440.87	362.36	247.07	0.0	0.0	2.60
15360.00	1960.00	0.0	0.0	370.80	640.00	373.96	31.87	374.38	203.09	0.0	0.0	8.11
15410.00	50.00	0.0	0.0	370.80	640.00	375.63	27.69	376.96	24.63	0.0	0.0	11.03
15450.00	40.00	377.20	370.80	370.80	640.00	377.94	77.45	378.08	296.29	0.0	0.0	4.53
15500.00	50.00	0.0	0.0	370.80	640.00	378.11	634.65	378.11	388.14	0.0	0.0	0.82
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
875.000	1680.000	263.072	0.0	0.0	0.0	132.246	0.0	875.000				
6125.000	1200.000	285.287	0.0	22.215	0.0	162.052	0.0	5250.000				
6175.000	1200.000	285.194	0.0	-0.093	0.0	14.700	0.0	50.000				
6225.000	1200.000	286.784	0.0	1.590	0.0	10.290	0.0	50.000				

 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 1 BASIN 24
 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.	264.070	0.0
J2	NPROF	IPLQT	PREVS	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= 335.82 WSEL= 263.07 ENC Q1= 335.82 WSEL= 264.07 RATIO= 0.0

NAT Q1= 446. RATIOS LOB,CH,ROB= 0.5080 0.4396 0.0524 WSEL= 264.07
 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

3470 ENCROACHMENT STATIONS= 1253.0 1321.7 TYPE= 4 TARGET= 0.248
 875.00 11.97 264.07 0.0 263.07 264.32 0.25 0.0 0.0 258.30
 1680. 613. 951. 116. 225. 196. 51. 0. 0. 257.50
 0.0 2.73 4.85 2.30 0.085 0.060 0.085 0.0 252.10 1253.03
 0.002348 875. 875. 875. 0 0 1 0.0 68.65 1321.67

2800 NAT Q1= 103.73 WSEL= 285.29 ENC Q1= 103.73 WSEL= 286.29 RATIO= 0.0
 NAT Q1= 186. RATIOS LOB,CH,ROB= 0.4029 0.5473 0.0498 WSEL= 286.29

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 214.1 239.5 TYPE= 4 TARGET= 0.442
 6125.00 7.01 285.91 0.0 285.29 287.20 1.30 22.57 0.31 283.60
 1200. 18. 1180. 2. 4. 128. 1. 36. 6. 284.30
 0.16 3.95 9.20 3.10 0.085 0.060 0.085 0.060 278.90 214.06
 0.016790 5250. 5250. 5250. 4 0 1 0.0 25.41 239.47

IHC2091 IBCOM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS FFB500UF420AD27C . REGISTER CONTAINED 0000000000000000

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

MAIN 0001BEFA 010A63C0 FD000008 001227F8

ENTRY POINT= 010A63C0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
	875.00	875.00	0.0	0.0	252.10	1680.00	263.07	335.82	263.28	132.25	0.0	4.68
	875.00	875.00	0.0	0.0	252.10	1680.00	264.07	346.68	264.32	68.65	1253.03	4.85
	6125.00	5250.00	0.0	0.0	278.90	1200.00	285.29	103.73	285.95	162.05	0.0	7.59
	6125.00	5250.00	0.0	0.0	278.90	1200.00	285.91	92.61	287.20	25.41	214.06	9.20
	6175.00	50.00	0.0	0.0	279.30	1200.00	285.19	47.29	288.17	14.70	0.0	13.85
	6175.00	50.00	0.0	0.0	279.30	1200.00	286.65	63.78	288.57	14.70	1172.20	11.10
	6225.00	50.00	0.0	0.0	279.30	1200.00	286.78	40.11	290.55	10.29	0.0	15.58
	6225.00	50.00	0.0	0.0	279.30	1200.00	288.24	50.17	290.88	10.29	1120.54	13.04
	6275.00	50.00	0.0	0.0	279.70	1200.00	290.95	727.87	290.98	187.59	0.0	1.71
C	6275.00	50.00	0.0	0.0	279.70	1200.00	291.17	626.68	291.20	124.11	131.98	2.01
	8425.00	2150.00	0.0	0.0	291.00	1200.00	297.46	75.38	298.17	137.82	0.0	9.06
D	8425.00	2150.00	0.0	0.0	291.00	1200.00	298.06	65.45	299.51	47.25	4886.19	11.24
	8475.00	50.00	0.0	0.0	293.20	1200.00	298.42	74.45	299.58	40.00	0.0	8.64
	8475.00	50.00	0.0	0.0	293.20	1200.00	299.80	124.51	300.40	40.00	1151.00	6.19
	8500.00	25.00	305.80	303.10	293.20	1200.00	298.43	74.45	299.59	40.00	0.0	8.64
	8500.00	25.00	305.80	303.10	293.20	1200.00	299.43	110.16	300.40	40.00	0.0	6.71
	8550.00	50.00	0.0	0.0	294.00	1200.00	300.50	79.63	301.36	115.43	0.0	9.09
E	8550.00	50.00	0.0	0.0	294.00	1200.00	301.25	70.84	303.01	35.32	93.50	11.26
	12300.00	3750.00	0.0	0.0	336.50	1250.00	343.38	150.87	343.77	92.19	0.0	6.48
F	12300.00	3750.00	0.0	0.0	336.50	1250.00	344.05	162.47	344.49	50.00	1150.00	6.44
	12350.00	50.00	0.0	0.0	337.00	1250.00	343.55	95.46	344.43	45.16	0.0	7.51
	12350.00	50.00	0.0	0.0	337.00	1250.00	344.32	126.03	344.91	48.50	1100.00	6.17
	12360.00	10.00	360.70	359.50	337.00	1250.00	343.86	107.03	344.61	46.48	0.0	6.93
	12360.00	10.00	360.70	359.50	337.00	1250.00	344.86	149.66	345.32	50.80	0.0	5.46
G	12410.00	50.00	0.0	0.0	337.50	1250.00	344.73	172.23	345.05	97.07	0.0	5.89
	12410.00	50.00	0.0	0.0	337.50	1250.00	345.13	149.36	345.70	40.51	1155.08	7.06
H	13260.00	850.00	0.0	0.0	353.00	1250.00	358.84	85.95	359.60	136.46	0.0	9.22
	13260.00	850.00	0.0	0.0	353.00	1250.00	358.84	69.82	360.28	50.18	1287.97	11.35
	13310.00	50.00	0.0	0.0	353.10	1250.00	360.06	143.65	360.25	175.64	0.0	5.31
	13310.00	50.00	0.0	0.0	353.10	1250.00	360.79	150.68	361.04	84.95	1289.32	5.47
	13350.00	40.00	0.0	0.0	353.10	1250.00	362.27	397.50	362.31	248.04	0.0	2.37
	13350.00	40.00	0.0	0.0	353.10	1250.00	363.00	419.89	363.04	138.47	1261.47	2.38
I	13400.00	50.00	0.0	0.0	353.10	1250.00	362.31	440.87	362.36	247.07	0.0	2.60
	13400.00	50.00	0.0	0.0	353.10	1250.00	363.03	473.93	363.09	141.65	1238.75	2.57
J	13360.00	1960.00	0.0	0.0	370.80	640.00	373.96	31.87	374.38	203.09	0.0	8.11

15360.00 1960.00 0.0 0.0 370.80 640.00 374.75 30.99 375.85 37.29 1518.57 1555.86 10.22

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCL	STENCR	VCH
1												
2												
3	15410.00	50.00	0.0	0.0	370.80 640.00	375.63	27.69	376.96	24.63	0.0	0.0	11.03
4	15410.00	50.00	0.0	0.0	370.80 640.00	376.54	37.70	377.59	15.70	1517.30	1533.00	8.62
5												
6	15450.00	40.00	0.0	0.0	370.80 640.00	377.94	77.45	378.08	296.29	0.0	0.0	4.53
7	15450.00	40.00	0.0	0.0	370.80 640.00	378.85	90.23	379.08	47.80	1505.87	1553.67	4.22
8												
9	15500.00	50.00	0.0	0.0	370.80 640.00	378.11	634.65	378.11	388.14	0.0	1527.00	0.82
10	15500.00	50.00	0.0	0.0	370.80 640.00	379.11	663.60	379.12	207.37	1463.63	1671.00	0.87
11												
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
12												
13												
14	875.000	1680.000	263.072	0.0	0.0	132.246	0.0	875.000	✓			
15	875.000	1680.000	264.070	0.998	0.0	68.646	63.600	875.000				
16												
17	6125.000	1200.000	285.287	0.0	22.215	162.052	0.0	5250.000	✓			
18	6125.000	1200.000	285.906	0.619	21.836	25.411	136.641	5250.000				
19												
20	6175.000	1200.000	285.194	0.0	-0.093	14.700	0.0	50.000				
21	6175.000	1200.000	286.653	1.458	0.747	14.700	0.0	50.000				
22												
23	6225.000	1200.000	286.784	0.0	1.590	10.290	0.0	50.000				
24	6225.000	1200.000	288.243	1.458	1.590	10.290	0.0	50.000				
25												
26	6275.000	1200.000	290.952	0.0	4.168	187.592	0.0	50.000	✓			
27	6275.000	1200.000	291.167	0.215	2.925	124.114	63.478	50.000				
28												
29	8425.000	1200.000	297.458	0.0	6.507	137.824	0.0	2150.000	✓			
30	8425.000	1200.000	298.064	0.606	6.897	47.246	90.578	2150.000				
31												
32	8475.000	1200.000	298.425	0.0	0.966	40.000	0.0	50.000				
33	8475.000	1200.000	299.799	1.374	1.735	40.000	0.0	50.000				
34												
35	8500.000	1200.000	298.426	0.0	0.001	40.000	0.0	25.000				
36	8500.000	1200.000	299.426	1.000	-0.374	40.000	0.0	25.000				
37												
38	8550.000	1200.000	300.500	0.0	2.074	115.427	0.0	50.000	✓			
39	8550.000	1200.000	301.246	0.745	1.820	35.325	80.102	50.000				
40												
41	12300.000	1250.000	343.375	0.0	42.875	92.188	0.0	3750.000	✓			
42	12300.000	1250.000	344.048	0.672	42.802	49.999	42.189	3750.000				
43												
44	12350.000	1250.000	343.555	0.0	0.179	45.162	0.0	50.000				
45	12350.000	1250.000	344.322	0.767	0.274	48.500	-3.338	50.000				
46												
47	12360.000	1250.000	343.860	0.0	0.306	46.482	0.0	10.000				
48	12360.000	1250.000	344.860	0.999	0.538	50.799	-4.317	10.000				
49												
50	12410.000	1250.000	344.729	0.0	0.868	97.066	0.0	50.000	✓			
51	12410.000	1250.000	345.133	0.404	0.273	40.514	56.552	50.000				
52												
53	13260.000	1250.000	358.838	0.0	14.109	136.463	0.0	850.000	✓			
54	13260.000	1250.000	358.639	0.001	13.706	50.178	86.285	850.000				
55												
56	13310.000	1250.000	360.064	0.0	1.227	175.640	0.0	50.000				
57	13310.000	1250.000	360.790	0.725	1.950	84.950	90.689	50.000				
	13350.000	1250.000	362.273	0.0	2.209	248.037	0.0	40.000				
	13350.000	1250.000	362.998	0.725	2.209	138.466	109.571	40.000				

