

1 *****
 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
 5 *****
 6

10 T1 TRIBUTARY 6 BASING NEUSE RIVER TRIBUTARY
 11 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 12 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	254.560	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

23 CCHV= 0.100 CEHV= 0.300
 24 2800 NAT Q1= 309.20 WSEL= 253.56 ENC Q1= 309.20 WSEL= 254.56 RATIO= 0.0

25 NAT Q1= 502. RATIOS LOB,CH,ROB= 0.3601 0.4316 0.2083 WSEL= 254.56

SECNO	DEPTH	QWSEL	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	ENUST

33 3470 ENCROACHMENT STATIONS= 484.0 576.9 TYPE= 4 TARGET= 0.384

450.00	10.26	254.56	0.0	253.56	255.03	0.47	0.0	0.0	250.30
2200.	429.	1485.	287.	152.	233.	92.	0.	0.	249.90
0.0	2.83	6.37	3.12	0.085	0.060	0.085	0.0	244.30	483.99
0.004696	450.	450.	450.	0	0	1	0.0	92.91	576.91

40 2800 NAT Q1= 121.97 WSEL= 252.61 ENC Q1= 156.60 WSEL= 253.61 RATIO= -0.2838
 41 NAT Q1= 159. RATIOS LOB,CH,ROB= 0.0146 0.9854 0.0 WSEL= 253.61

43 3301 HV CHANGED MORE THAN HVINS

46 3470 ENCROACHMENT STATIONS= 494.0 525.0 TYPE= 4 TARGET= 0.015

48 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 251.50 ELREA= 256.50

500.00	8.74	254.24	0.0	252.61	255.73	1.49	0.40	0.31	251.50
2200.	0.	2200.	0.	0.	225.	0.	0.	0.	256.50
0.00	0.0	9.79	0.0	0.085	0.060	0.085	0.059	245.50	494.00
0.016291	50.	50.	50.	2	0	1	0.0	31.00	525.00

57 SPECIAL BRIDGE

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2	HEC2 VERSION UPDATED JAN 1975											2
3	ERROR CORRECTIONS 01,02,03,04,05,06,07,08											3
4	MODIFICATIONS 52,53,54,55,56,57,58											4
5	*****											5
6												6
7												7
8												8
9												9
10	T1	TRIBUTARY 6 BASING NEUSE RIVER TRIBUTARY										10
11	T2	FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855										11
12	T3	100 YEAR FLOOD WATER SURFACE PROFILE										12
13												13
14	J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG	14
15												15
16		0.	4.	0.	0.	0.005000	0.0	0.0	0.	252.000	0.0	16
17												17
18	J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	18
19												19
20		0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21												21
22	J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0	22
23	NC	0.065	0.065	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0	23
24	WT	5.000	450.000	1300.000	2200.000	4340.000	2200.000	0.0	0.0	0.0	0.0	24
25	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	25
26												26
27	X1	450.000	17.000	526.000	555.000	450.000	450.000	450.000	0.0	-0.200	0.0	27
28	GR	269.900	0.0	259.000	100.000	257.600	200.000	254.200	300.000	252.300	400.000	28
29	GR	251.400	500.000	250.500	526.000	245.700	531.000	244.500	534.000	244.700	538.000	29
30	GR	245.700	543.000	250.100	555.000	252.000	600.000	254.500	700.000	256.100	800.000	30
31	GR	261.200	900.000	266.700	1000.000	0.0	0.0	0.0	0.0	0.0	0.0	31
32												32
33	X1	500.000	18.000	494.000	525.000	50.000	50.000	50.000	0.0	0.0	0.0	33
34	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34
35	GR	259.600	0.0	265.100	100.000	261.300	200.000	259.100	300.000	256.800	400.000	35
36	GR	256.300	488.000	252.200	488.000	251.500	494.000	245.700	499.000	245.500	506.000	36
37	GR	245.700	513.000	250.200	525.000	256.500	525.000	256.800	600.000	258.900	700.000	37
38	GR	262.500	800.000	267.200	900.000	269.600	950.000	0.0	0.0	0.0	0.0	38
39	SB	0.900	1.500	2.600	0.0	37.000	1.000	265.300	0.0	0.0	0.0	39
40												40
41	X1	530.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	41
42	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42
43	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43
44	BT	18.000	0.0	269.600	0.0	100.000	265.100	0.0	200.000	261.300	0.0	44
45	BT	300.000	259.100	0.0	400.000	256.800	0.0	488.000	258.700	256.300	488.100	45
46	BT	258.700	255.000	494.000	258.700	255.000	499.000	258.700	255.000	506.000	258.700	46
47	BT	255.000	513.000	258.700	254.900	525.000	258.700	254.900	525.100	258.700	256.500	47
48	BT	600.000	256.800	0.0	700.000	258.900	0.0	800.000	262.500	0.0	900.000	48
49	BT	267.200	0.0	950.000	269.600	0.0	0.0	0.0	0.0	0.0	0.0	49
50												50
51	X1	580.000	17.000	526.000	555.000	50.000	50.000	50.000	0.0	0.0	0.0	51
52	GR	269.900	0.0	259.000	100.000	257.600	200.000	254.200	300.000	252.300	400.000	52
53	GR	251.400	500.000	250.500	526.000	245.700	531.000	244.500	534.000	244.700	538.000	53
54	GR	245.700	543.000	250.100	555.000	252.000	600.000	254.500	700.000	256.100	800.000	54
55	GR	261.200	900.000	266.700	1000.000	0.0	0.0	0.0	0.0	0.0	0.0	55
56	EU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56
57												57

W. J. WAVE FOREST

Basin 6, Stream 6

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

Sta. No.

Stream Bed

n.s. profiles

A

B

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	LG	TOPWID	STENCL	STENCR	VCH
450.00	450.00	0.0	0.0	244.30	450.00	250.37	63.71	250.62	42.34	0.0	0.0	4.02
450.00	450.00	0.0	0.0	244.30	1300.00	252.58	183.99	252.92	256.19	0.0	0.0	5.44
450.00	450.00	0.0	0.0	244.30	2200.00	253.56	309.20	253.90	346.92	0.0	0.0	6.05
450.00	450.00	0.0	0.0	244.30	4340.00	255.00	612.19	255.34	473.18	0.0	0.0	6.83
450.00	450.00	0.0	0.0	244.30	2200.00	50122.12*****		50122.12	29.00	526.00	555.00	0.00
500.00	50.00	0.0	0.0	245.50	450.00	250.63	62.50	250.88	30.24	0.0	0.0	3.99
500.00	50.00	0.0	0.0	245.50	1300.00	252.58	120.96	253.44	37.00	0.0	0.0	7.47
500.00	50.00	0.0	0.0	245.50	2200.00	252.61	121.97	255.05	37.00	0.0	0.0	12.57
500.00	50.00	0.0	0.0	245.50	4340.00	255.36	231.01	259.37	37.00	0.0	0.0	16.28
500.00	50.00	0.0	0.0	245.50	2200.00	50122.12*****		50122.12	31.00	494.00	525.00	0.00
530.00	30.00	256.80	256.50	245.50	450.00	250.64	62.94	250.89	30.26	0.0	0.0	3.97
530.00	30.00	256.80	256.50	245.50	1300.00	252.64	123.14	253.48	37.00	0.0	0.0	7.38
530.00	30.00	256.80	256.50	245.50	2200.00	253.05	137.91	255.12	37.00	0.0	0.0	11.60
530.00	30.00	256.80	256.50	245.50	4340.00	258.03	425.41	259.43	311.69	0.0	0.0	10.43
530.00	30.00	256.80	256.50	245.50	2200.00	251.64	90.07	50122.12	32.21	0.0	0.0	15.27
580.00	50.00	0.0	0.0	244.50	450.00	250.90	73.56	251.11	59.40	0.0	0.0	3.67
580.00	50.00	0.0	0.0	244.50	1300.00	253.62	288.80	253.73	334.48	0.0	0.0	3.78
580.00	50.00	0.0	0.0	244.50	2200.00	255.40	666.80	255.47	491.53	0.0	0.0	3.23
580.00	50.00	0.0	0.0	244.50	4340.00	259.58	2613.36	259.61	773.63	0.0	0.0	2.11
580.00	50.00	0.0	0.0	244.50	2200.00	50122.48*****		50122.48	29.00	526.00	555.00	0.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
450.000	450.000	250.373	0.0	0.0	0.0	42.336	0.0	450.000
450.000	1300.000	252.577	2.204	0.0	0.0	256.194	-213.857	450.000
450.000	2200.000	253.556	0.979	0.0	0.0	346.920	-304.583	450.000
450.000	4340.000	255.000	1.444	0.0	0.0	473.178	-430.842	450.000
450.000	2200.000	50122.117	49867.120	0.0	0.0	29.002	13.334	450.000
500.000	450.000	250.631	0.0	0.258	0.0	30.244	0.0	50.000
500.000	1300.000	252.579	1.948	0.002	0.0	37.000	-6.756	50.000
500.000	2200.000	252.609	0.030	-0.947	0.0	37.000	-6.756	50.000
500.000	4340.000	255.357	2.748	0.358	0.0	37.000	-6.756	50.000
500.000	2200.000	50122.117	49866.760	0.0	0.0	31.002	-0.758	50.000
530.000	450.000	250.641	0.0	0.009	0.0	30.259	0.0	30.000
530.000	1300.000	252.643	2.002	0.064	0.0	37.000	-6.741	30.000
530.000	2200.000	253.053	0.410	0.444	0.0	37.000	-6.741	30.000
530.000	4340.000	258.025	4.973	2.668	0.0	311.688	-281.429	30.000
530.000	2200.000	251.641	-6.385	-49870.470	0.0	32.206	-1.946	30.000
580.000	450.000	250.899	0.0	0.258	0.0	59.401	0.0	50.000
580.000	1300.000	253.616	2.717	0.973	0.0	334.481	-275.080	50.000
580.000	2200.000	255.399	1.783	2.347	0.0	491.535	-432.134	50.000
580.000	4340.000	259.583	4.184	1.557	0.0	773.630	-714.229	50.000
580.000	2200.000	50122.477	49862.890	49870.830	0.0	29.002	30.399	50.000

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 TRIBUTARY 6 BASING NEUSE RIVER TRIBUTARY
 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.	0.0	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHN1M	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 63.71 WSEL= 250.37 ENC Q1= 93.36 WSEL= 251.37 RATIO= -0.4654
 NAT Q1= 99. RADIUS LOB,CH,ROB= 0.0214 0.9416 0.0370 WSEL= 251.37
 2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
 3280 CROSS SECTION 450.00 EXTENDED 49855.63 FEET

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

3470 ENCKOACHMENT STATIONS= 526.0 555.0 TYPE= 4 TARGET= 0.058
 450.00 49877.82 50122.13 0.0 250.37 50122.13 0.00 0.0 0.0 250.30
 2200. 0. 2200. 0. 18. 1446392. 49. 0. 0. 249.90
 0.0 0.00 0.00 0.00 0.085 0.060 0.085 0.0 244.30 526.00
 0.000000 450. 450. 450. 0 0 1 0.0 29.00 555.00

2800 NAT Q1= 62.50 WSEL= 250.63 ENC Q1= 89.78 WSEL= 251.63 RATIO= -0.4365
 NAT Q1= 90. RADIUS LOB,CH,ROB= 0.0000 1.0000 0.0 WSEL= 251.63
 3685 20 TRIALS USED WSEL,CWSEL
 3280 CROSS SECTION 500.00 EXTENDED 49852.53 FEET

3470 ENCKOACHMENT STATIONS= 494.0 525.0 TYPE= 4 TARGET= 0.000
 500.00 49876.63 50122.13 0.0 250.63 50122.13 0.00 0.00 0.00 251.50
 2200. 0. 2200. 0. 18. 1546128. 49. 1718. 0. 256.50
 9.76 0.00 0.00 0.00 0.085 0.060 0.085 0.059 245.50 494.00
 0.000000 50. 50. 50. 22 0 1 0.0 31.00 525.00

SPECIAL BRIDGE

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T1 TRIBUTARY 6 BASIN6 NEUSE RIVER TRIBUTARY
 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.	0.005000	0.0	0.0	0.	255.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	4.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRISW	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
450.00	10.70	255.00	0.0	255.00	255.34	0.34	0.0	0.0	250.30
4340.	1677.	1679.	984.	655.	246.	397.	0.	0.	249.90
0.0	2.56	6.83	2.48	0.085	0.060	0.085	0.0	244.30	270.58
0.005026	450.	450.	450.	0	0	1	0.0	473.18	743.76

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	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= 251.50 ELREA= 256.50

500.00	9.86	255.36	255.36	0.0	259.37	4.01	0.53	0.0	251.50
4340.	120.	4220.	0.	21.	259.	0.	1.	0.	256.50
0.00	5.70	16.28	0.0	0.085	0.060	0.085	0.059	245.50	488.00
0.035295	50.	50.	50.	50	15	1	0.0	37.00	525.00

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 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.005000	0.0	0.0	0.	252.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	GLOSS	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
450.00	9.26	253.56	0.0	252.00	253.00	-0.34	0.0	0.0	250.50
2200.	601.	1234.	364.	319.	204.	184.	0.	0.	249.90
0.0	1.88	6.05	1.99	0.085	0.060	0.085	0.0	244.30	323.54
0.005063	450.	450.	450.	0	0	4	0.0	346.92	670.26

3301 HV CHANGED MORE THAN HVINS

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=	251.50	ELREA=	256.50
500.00	7.11	252.61	252.46
2200.	11.	2189.	0.
0.00	2.50	12.57	0.0
0.032532	50.	50.	50.

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	37.00	1.00	265.30	0.0	245.50	245.50

CLASS A LOW FLOW

BRIDGE W.S.= 252.52 BRIDGE VELOCITY= 8.71

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
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T1 TRIBUTARY 6 BASING NEUSE RIVER TRIBUTARY
 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.	0.005000	0.0	0.0	0.	251.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV=	0.100	CEHV=	0.300							
SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV	
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	WTN	ELMIN	SSIA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IUC	ICONT	CORAR	TOPWID	ENDUST	
450.00	8.28	252.58	0.0	251.00	252.92	0.35	0.0	0.0	250.30	
1300.	199.	955.	146.	146.	176.	90.	0.	0.	249.90	
0.0	1.36	5.44	1.63	0.085	0.060	0.085	0.0	244.30	374.89	
0.004992	450.	450.	450.	0	0	5	0.0	256.19	631.08	

3301 HV CHANGED MORE THAN HVINS

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=	251.50	ELREA=	256.50						
500.00	7.08	252.58	0.0	0.0	253.44	0.86	0.36	0.15	251.50
1300.	6.	1294.	0.	4.	173.	0.	0.	0.	256.50
0.00	1.46	7.47	0.0	0.085	0.060	0.085	0.059	245.50	488.00
0.011551	50.	50.	50.	2	0	1	0.0	37.00	525.00

SPECIAL BRIDGE

50% VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	37.00	1.00	265.30	0.0	245.50	245.50

CLASS A LOW FLOW

BRIDGE W.S.= 252.55 BRIDGE VELOCITY= 5.12

LGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRU	CLASS
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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 GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCL	STENCR	VCH
450.00	450.00	0.0	0.0	244.30	450.00	250.37	63.71	250.62	42.34	0.0	0.0	4.02
500.00	50.00	0.0	0.0	245.50	450.00	250.63	62.50	250.88	30.24	0.0	0.0	3.99
530.00	30.00	256.80	256.50	245.50	450.00	250.64	62.94	250.89	30.26	0.0	0.0	3.97
580.00	50.00	0.0	0.0	244.50	450.00	250.90	73.56	251.11	59.40	0.0	0.0	3.67

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
450.000	450.000	250.373	0.0	0.0	0.0	42.336	0.0	450.000
500.000	450.000	250.631	0.0	0.258	0.0	30.244	0.0	50.000
530.000	450.000	250.641	0.0	0.009	0.0	30.259	0.0	30.000
580.000	450.000	250.899	0.0	0.258	0.0	59.401	0.0	50.000

DATA FOR LAST CROSS SECTION PROFILE

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.114	0.0

	13,039									
G	12109.000	6950.000	215.528	0.0	4.639	0.0	657.788	0.0	2200.000	
	12109.000	6950.000	215.85A	0.331	3.260	0.0	385.604	272.185	2200.000	
	17,139									
H	15609.000	5300.000	223.903	0.0	8.376	0.0	399.699	0.0	3500.000	
	15609.000	5300.000	224.976	1.073	9.118	0.0	245.791	153.909	3500.000	
1	18,489									
2	16559.000	5250.000	227.413	0.0	3.510	0.0	542.803	0.0	950.000	
3	16559.000	5250.000	228.359	0.946	3.383	0.0	204.700	338.103	950.000	
4										
5	16609.000	5250.000	226.884	0.0	-0.529	0.0	89.000	0.0	50.000	
6	16609.000	5250.000	228.164	1.280	-0.195	0.0	89.000	0.0	50.000	
7										
8	16646.000	5250.000	226.988	0.0	0.104	0.0	89.000	0.0	37.000	
9	16646.000	5250.000	228.268	1.280	0.104	0.0	89.000	0.0	37.000	
10										
11	16696.000	5250.000	228.598	0.0	1.610	0.0	581.035	0.0	50.000	
12	16696.000	5250.000	229.287	0.689	1.019	0.0	256.655	324.381	50.000	
13										
14	17,226									
15	19116.000	5100.000	232.812	0.0	4.214	0.0	952.440	0.0	2420.000	
16	19116.000	5100.000	233.807	0.996	4.520	0.0	531.974	420.466	2420.000	
17										
18	20116.000	4400.000	235.453	0.0	2.641	0.0	552.795	0.0	1000.000	
19	20116.000	4400.000	236.340	0.887	2.533	0.0	446.159	106.636	1000.000	
20										
21	25,816									
22	23616.000	2500.000	250.274	0.0	14.821	0.0	215.532	0.0	3500.000	
23	23616.000	2500.000	250.693	0.419	14.353	0.0	123.862	91.669	3500.000	
24										
25	A 25116.000	2500.000	255.713	0.0	5.439	0.0	326.979	0.0	1500.000	
26	25116.000	2500.000	256.473	0.759	5.780	0.0	145.750	181.229	1500.000	
27										
28	B 26066.000	2500.000	262.613	0.0	6.900	0.0	159.280	0.0	950.000	
29	26066.000	2500.000	263.366	0.753	6.894	0.0	53.706	105.574	950.000	
30										
31	26116.000	2500.000	263.164	0.0	0.551	0.0	35.000	0.0	50.000	
32	26116.000	2500.000	264.387	1.223	1.021	0.0	35.000	0.0	50.000	
33										
34	26144.000	2500.000	263.340	0.0	0.176	0.0	35.000	0.0	28.000	
35	26144.000	2500.000	264.563	1.222	0.176	0.0	35.000	0.0	28.000	
36										
37	C 26194.000	2500.000	264.977	0.0	1.636	0.0	252.715	0.0	50.000	
38	26194.000	2500.000	265.663	0.687	1.101	0.0	115.442	137.273	50.000	
39										
40	D 26919.000	2500.000	268.396	0.0	3.419	0.0	216.728	0.0	725.000	
41	26919.000	2500.000	269.129	0.734	3.466	0.0	110.177	106.551	725.000	
42										
43	E 27369.000	2250.000	270.592	0.0	2.196	0.0	266.692	0.0	450.000	
44	27369.000	2250.000	271.582	0.990	2.453	0.0	131.778	134.915	450.000	
45										
46	27419.000	2250.000	270.668	0.0	0.077	0.0	16.000	0.0	50.000	
47	27419.000	2250.000	270.703	0.035	-0.878	0.0	16.000	0.0	50.000	
48										
49	27469.000	2250.000	268.890	0.0	-1.778	0.0	16.000	0.0	50.000	
50	27469.000	2250.000	270.680	1.790	-0.023	0.0	16.000	0.0	50.000	
51										
52	27519.000	2250.000	276.439	0.0	7.549	0.0	348.909	0.0	50.000	
53	27519.000	2250.000	275.394	-1.046	4.713	0.0	208.146	140.763	50.000	
54										
55	DATA FOR LAST CROSS SECTION									
56	PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH					
57				AREA-ACRES	AREA-DIFF					
58	1	0.0	0.0	337.281	0.0					
59	2	4.000	0.234	209.579	-127.702					

23616.00 3500.00 0.0 0.0 238.20 2500.00 250.69 448.61 250.94 123.86 45.96 169.82 4.34

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	
2														
3	25116.00	1500.00	0.0	0.0	248.30	2500.00	255.71	365.12	255.88	326.98	0.0	0.0	5.41	3
4	25116.00	1500.00	0.0	0.0	248.30	2500.00	256.47	355.92	256.73	145.75	230.89	376.64	5.97	4
5														5
6	26066.00	950.00	0.0	0.0	253.30	2500.00	262.61	195.74	263.71	159.28	0.0	0.0	10.38	6
7	26066.00	950.00	0.0	0.0	253.30	2500.00	263.37	198.86	264.80	53.71	642.43	696.14	10.93	7
8														8
9	26116.00	50.00	0.0	0.0	255.40	2500.00	263.16	188.17	264.68	35.00	0.0	0.0	9.89	9
10	26116.00	50.00	0.0	0.0	255.40	2500.00	264.39	236.47	265.50	35.00	396.00	431.00	9.45	10
11														11
12	26144.00	28.00	0.0	0.0	255.40	2500.00	263.34	194.93	264.79	35.00	0.0	0.0	9.65	12
13	26144.00	28.00	0.0	0.0	255.40	2500.00	264.56	243.45	265.63	35.00	396.00	431.00	8.28	13
14														14
15	26194.00	50.00	0.0	0.0	253.50	2500.00	264.98	446.19	265.21	252.71	0.0	0.0	5.44	15
16	26194.00	50.00	0.0	0.0	253.50	2500.00	265.66	449.53	265.96	115.44	615.78	731.23	5.66	16
17														17
18	26919.00	725.00	0.0	0.0	261.30	2500.00	268.40	274.62	268.73	216.73	0.0	0.0	6.85	18
19	26919.00	725.00	0.0	0.0	261.30	2500.00	269.13	255.95	269.68	110.18	143.77	253.94	7.91	19
20														20
21	27369.00	450.00	0.0	0.0	262.60	2250.00	270.59	446.49	270.70	266.69	0.0	0.0	4.09	21
22	27369.00	450.00	0.0	0.0	262.60	2250.00	271.58	451.68	271.75	131.78	271.03	402.81	4.42	22
23														23
24	27419.00	50.00	0.0	0.0	262.20	2250.00	270.67	86.16	274.95	16.00	0.0	0.0	16.61	24
25	27419.00	50.00	0.0	0.0	262.20	2250.00	270.70	86.64	274.95	16.00	335.00	351.00	16.54	25
26														26
27	27469.00	50.00	0.0	0.0	262.20	2250.00	268.89	62.81	275.75	16.00	0.0	0.0	21.01	27
28	27469.00	50.00	0.0	0.0	262.20	2250.00	270.68	86.32	274.95	16.00	335.00	351.00	16.58	28
29														29
30	27519.00	50.00	0.0	0.0	262.80	2250.00	276.44	2074.04	276.45	348.91	0.0	0.0	1.31	30
31	27519.00	50.00	0.0	0.0	262.80	2250.00	275.39	1368.90	275.42	208.15	205.00	413.17	1.87	31
32														32
33	SECTION NUMBER/100	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
34														34
35	1000.000	7500.000	192.360	0.0	0.0	0.0	702.487	0.0	1000.000					35
36	A 1000.000	7500.000	193.360	1.000	0.0	0.0	509.135	193.352	1000.000					36
37														37
38	3550.000	7500.000	196.349	0.0	3.989	0.0	482.836	0.0	2550.000					38
39	B 3550.000	7500.000	197.317	0.967	3.957	0.0	331.706	151.130	2550.000					39
40														40
41	3689.000	7500.000	196.491	0.0	0.141	0.0	480.447	0.0	50.000					41
42	C 3689.000	7500.000	197.450	0.960	0.134	0.0	326.741	153.707	50.000					42
43														43
44	6109.000	7300.000	201.935	0.0	5.445	0.0	1283.978	0.0	2420.000					44
45	D 6109.000	7300.000	202.947	1.012	5.497	0.0	824.917	459.061	2420.000					45
46														46
47	7859.000	7200.000	205.224	0.0	3.289	0.0	666.981	0.0	1750.000					47
48	E 7859.000	7200.000	206.213	0.989	3.266	0.0	354.224	312.757	1750.000					48
49														49
50	7909.000	7200.000	204.431	0.0	-0.794	0.0	120.000	0.0	50.000					50
51	7909.000	7200.000	205.541	1.111	-0.672	0.0	120.000	0.0	50.000					51
52														52
53	7939.000	7200.000	204.703	0.0	0.273	0.0	120.000	0.0	30.000					53
54	7939.000	7200.000	205.703	1.000	0.162	0.0	120.000	0.0	30.000					54
55														55
56	7989.000	7200.000	207.125	0.0	2.422	0.0	688.737	0.0	50.000					56
57	7989.000	7200.000	207.325	0.200	1.622	0.0	301.254	387.483	50.000					57
	F 9909.000	7200.000	210.888	0.0	3.764	0.0	316.854	0.0	1920.000					
	9909.000	7200.000	211.999	1.110	4.673	0.0	313.999	2.856	1920.000					

USE AS "O" ENC.

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES

4 100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH
9	1000.00	1000.00	0.0	0.0	181.90	7500.00	192.36	2371.12	192.42	702.49	81 0.0 1379 0.0 422	3.05
10	1000.00	1000.00	0.0	0.0	181.90	7500.00	193.36	2371.42	193.44	509.14	1291.78 1800.91	3.28
12	3550.00	2550.00	0.0	0.0	184.50	7500.00	196.35	1371.68	196.56	482.84	1370.0 414 0.0 99	5.66
13	3550.00	2550.00	0.0	0.0	184.50	7500.00	197.32	1371.94	197.59	331.71	181.26 512.97	6.03
15	3689.00	50.00	0.0	0.0	184.90	7500.00	196.49	1267.85	196.73	480.45	170.0 4.14 0.0 99	6.02
16	3689.00	50.00	0.0	0.0	184.90	7500.00	197.45	1263.56	197.76	326.74	184.19 510.94	6.44
18	6109.00	2420.00	0.0	0.0	193.20	7300.00	201.94	1913.35	201.99	1283.98	590 0.0 990 0.0 255	3.32
19	6109.00	2420.00	0.0	0.0	193.20	7300.00	202.95	1919.42	203.02	824.92	400.52 1225.44	3.61
21	7859.00	1750.00	0.0	0.0	194.80	7200.00	205.22	1399.57	205.37	666.98	100.0 210 0.0 255	4.78
22	7859.00	1750.00	0.0	0.0	194.80	7200.00	206.21	1389.41	206.42	354.22	109.04 463.26	5.21
24	7909.00	50.00	0.0	0.0	194.10	7200.00	204.43	404.61	206.78	120.00	0.0 0.0	12.31
25	7909.00	50.00	0.0	0.0	194.10	7200.00	205.54	564.06	207.10	120.00	308.00 428.00	10.01
27	7939.00	30.00	207.30	206.20	194.10	7200.00	204.70	441.75	206.81	120.00	0.0 0.0	11.65
28	7939.00	30.00	207.30	206.20	194.10	7200.00	205.70	587.61	207.18	120.00	0.0 0.0	9.76
30	7989.00	50.00	0.0	0.0	196.00	7200.00	207.12	1766.46	207.23	688.74	0.0 0.0	4.00
31	7989.00	50.00	0.0	0.0	196.00	7200.00	207.33	1140.09	207.65	301.25	125.41 426.67	6.30
33	9909.00	1920.00	0.0	0.0	197.80	7200.00	210.89	1459.22	211.08	316.85	200.0 255 0.0 111	5.19
34	9909.00	1920.00	0.0	0.0	197.80	7200.00	212.00	1843.01	212.14	314.00	30.00 344.00	4.35
36	12109.00	2200.00	0.0	0.0	204.30	6950.00	215.53	1651.43	215.64	657.79	120.0 536 0.0 262	4.51
37	12109.00	2200.00	0.0	0.0	204.30	6950.00	215.86	1529.04	216.02	385.60	412.70 798.31	4.98
39	15609.00	3500.00	0.0	0.0	214.30	5300.00	223.90	838.71	224.15	399.70	180.0 779 0.0 64	6.25
40	15609.00	3500.00	0.0	0.0	214.30	5300.00	224.98	855.89	225.30	245.79	597.21 843.00	6.63
42	16559.00	950.00	0.0	0.0	216.60	5250.00	227.41	893.23	227.68	542.80	101 0.0 279 0.0 104	6.15
43	16559.00	950.00	0.0	0.0	216.60	5250.00	228.36	904.30	228.73	204.70	178.44 383.14	6.49
45	16609.00	50.00	0.0	0.0	216.60	5250.00	226.88	422.11	228.36	89.00	0.0 0.0	9.76
46	16609.00	50.00	0.0	0.0	216.60	5250.00	228.16	571.16	229.17	89.00	851.00 940.00	8.05
48	16646.00	37.00	0.0	0.0	216.60	5250.00	226.99	433.57	228.42	89.00	0.0 0.0	9.60
49	16655.00	37.00	0.0	0.0	216.60	5250.00	228.27	583.91	229.25	89.00	851.00 940.00	7.94
51	16696.00	50.00	0.0	0.0	216.80	5250.00	228.60	1269.53	228.74	581.04	120.0 279 0.0 130	4.63
52	16696.00	50.00	0.0	0.0	216.80	5250.00	229.29	1192.81	229.50	256.65	152.36 409.02	5.15
54	19116.00	2420.00	0.0	0.0	222.30	5100.00	232.81	1232.52	232.88	952.44	110.0 1035 0.0 504	4.72
55	19116.00	2420.00	0.0	0.0	222.30	5100.00	233.81	1235.00	233.91	531.97	1007.80 1539.77	5.02
57	20116.00	1000.00	0.0	0.0	227.40	4400.00	235.45	593.18	235.62	552.80	300.0 509 0.0 153	5.20
57	20116.00	1000.00	0.0	0.0	227.40	4400.00	236.34	627.73	236.54	446.16	200.37 662.38	5.48
	23616.00	3500.00	0.0	0.0	238.20	2500.00	250.27	466.76	250.46	215.53	0.0 0.0	4.00