
 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. B BASIN 6 NEUSE RIVER TRIB.
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-6 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.	0.016000	0.0	0.0	0.	244.000	0.0

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

CCHV= 0.100 CEHV= 0.300

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	SSIA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
500.00	5.04	240.04	0.0	244.00	240.89	0.34	0.0	0.0	236.40
2540.	140.	1821.	580.	42.	218.	139.	0.	0.	235.70
0.0	3.29	8.34	4.18	0.085	0.060	0.085	0.0	235.00	249.55
0.015893	500.	500.	500.	0	0	5	0.0	130.98	380.53

3265 DIVIDED FLOW

1000.00	6.08	245.28	0.0	0.0	245.68	0.40	4.75	0.04	240.60
2540.	169.	1632.	738.	70.	270.	276.	6.	2.	239.90
0.03	2.43	6.05	2.68	0.085	0.060	0.085	0.060	239.20	70.12
0.006302	500.	500.	500.	4	0	1	0.0	237.75	413.42
2150.00	16.85	254.95	0.0	0.0	255.49	0.54	9.77	0.04	251.50
1600.	376.	520.	704.	96.	60.	178.	18.	7.	250.80
0.09	3.91	8.68	3.96	0.085	0.060	0.085	0.060	248.10	179.74
0.015346	1150.	1150.	1150.	4	0	1	0.0	136.66	316.40

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	SSIA

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T1 TRIB. 8 BASIN & NEUSE RIVER TRIB.
 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	FO
	-10.	3.	0.	0.	0.016000	0.0	0.0	0.	241.000	0.0

J2	NPROF	IPLOT	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	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

500.00	3.34	238.34	0.0	241.00	238.85	0.40	0.0	0.0	236.40
970.	26.	803.	141.	12.	133.	53.	0.	0.	235.70
0.0	2.15	6.02	2.66	0.085	0.060	0.085	0.0	235.00	260.57
0.015978	500.	500.	500.	0	0	5	0.0	102.50	360.08

1000.00	4.10	243.30	0.0	0.0	243.55	0.25	4.70	0.02	240.60
970.	39.	757.	175.	23.	171.	88.	3.	1.	239.90
0.04	1.67	4.42	1.99	0.085	0.060	0.085	0.060	239.20	82.74
0.006179	500.	500.	500.	5	0	1	0.0	120.99	203.73

/185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

2150.00	4.59	252.69	252.69	0.0	253.61	0.63	9.50	0.0	251.50
400.	30.	278.	92.	16.	37.	37.	0.	4.	250.80
0.09	1.89	7.47	2.46	0.085	0.060	0.085	0.060	248.10	199.26
0.021403	1150.	1150.	1150.	4	0	1	0.0	75.27	274.53

2200.00	5.00	254.00	0.0	0.0	254.58	0.58	1.27	0.00	250.50
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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 OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH		
500.00	500.00	0.0	0.0	235.00	480.00	237.49	37.92	237.80	84.18	0.0	0.0	4.67		
1000.00	500.00	0.0	0.0	239.20	480.00	242.26	62.16	242.42	96.35	0.0	0.0	3.41		
2150.00	1150.00	0.0	0.0	248.10	300.00	252.30	19.93	252.94	59.57	0.0	0.0	7.15		
2200.00	50.00	0.0	0.0	249.00	300.00	253.70	18.80	254.16	36.40	0.0	0.0	7.83		
2250.00	50.00	259.30	252.00	249.00	300.00	256.23	7.98	259.51	3.00	0.0	0.0	14.74		
2280.00	50.00	0.0	0.0	249.50	300.00	259.95	534.74	259.95	223.88	0.0	0.0	0.54		
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH 0	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH						
500.000	480.000	237.494	0.0	0.0	0.0	84.179	0.0	500.000						
1000.000	480.000	242.258	0.0	4.763	0.0	96.348	0.0	500.000						
2150.000	300.000	252.299	0.0	10.041	0.0	59.569	0.0	1150.000						
2200.000	300.000	253.698	0.0	1.400	0.0	36.398	0.0	50.000						
2250.000	300.000	256.234	0.0	2.536	0.0	3.000	0.0	50.000						
2280.000	300.000	259.949	0.0	3.715	0.0	223.882	0.0	50.000						
DATA FOR LAST CROSS SECTION														
PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF									
1	0.0	0.0	0.0	3.302	0.0									

GR	269.300	500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1	CCHV=	U.100	CEHV=	0.300							
2	SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	ULOSS	BANK	ELEV
3	Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
4	TIME	VLOB	VCH	VROB	XQL	XNCH	XNR	WTN	ELMIN	SSTA	
5	SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

9	500.00	2.49	237.49	0.0	239.00	237.80	0.31	0.0	0.0	236.40	
10	480.	6.	424.	50.	4.	91.	24.	0.	0.	235.70	
11	0.0	1.47	4.67	2.06	0.085	0.060	0.085	0.0	235.00	266.01	
12	0.016025	500.	500.	500.	0	0	5	0.0	84.18	350.19	
15	1000.00	3.06	242.26	0.0	0.0	242.42	0.16	4.60	0.01	240.60	
16	480.	10.	406.	63.	9.	119.	42.	2.	1.	239.90	
17	0.04	1.18	3.41	1.50	0.085	0.060	0.085	0.060	239.20	87.40	
18	0.005962	500.	500.	500.	4	0	1	0.0	96.35	185.74	
21	2150.00	4.20	252.30	252.25	0.0	252.94	0.64	10.38	0.15	251.50	
22	300.	10.	239.	51.	7.	33.	24.	5.	3.	250.80	
23	0.10	1.43	7.15	2.17	0.085	0.060	0.085	0.060	248.10	206.85	
24	0.022659	1150.	1150.	1150.	7	11	1	0.0	59.57	266.42	
27	2200.00	4.70	253.70	0.0	0.0	254.16	0.46	1.20	0.02	250.50	
28	300.	34.	100.	166.	10.	13.	44.	5.	3.	250.50	
29	0.10	3.51	7.83	3.80	0.085	0.060	0.085	0.060	249.00	210.50	
30	0.025462	50.	50.	50.	3	0	1	0.0	56.40	246.90	

34 SPECIAL BRIDGE

35

36 50/0, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

37	SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
38		0.90	1.50	2.80	0.0	3.00	0.00	28.30	0.0	249.00	249.00

40 PRESS FLOW BECAUSE EGLWC OF 262.30 EXCEEDS 1.5 DEPTH

41 3685 20 TRIALS USED WSEL, CWSEL

42 5730. WSEL ASSUMED BASED ON MIN DIFF + .1

44 5235 SLOPE TOO STEEP, EXCEEDS 0.10

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

52 PRESSURE FLOW

55	EGPRS	EGLWC	H3	NWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
56	256.32	262.30	0.00	0.	300.	28.	252.00	259.30	10.00

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11 TRIB. 8 HASIN S NEUSE RIVER TRIB.
 12 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 13 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.016000	0.0	0.0	0.	239.000	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	480.000	970.000	1300.000	2540.000	1300.000	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	500.000	12.000	273.000	323.000	500.000	500.000	500.000	0.0	0.0	0.0
GR	260.000	0.0	250.000	150.000	240.000	250.000	236.400	273.000	235.400	297.000
GR	235.000	300.000	235.400	303.000	235.700	323.000	239.000	373.000	240.000	380.000
GR	250.000	500.000	260.000	700.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1000.000	14.000	100.000	150.000	500.000	500.000	500.000	0.0	-4.000	0.0
GR	259.900	0.0	257.900	15.000	244.600	100.000	243.600	124.000	243.200	127.000
GR	243.600	130.000	243.900	150.000	247.200	200.000	249.900	300.000	248.900	400.000
GR	251.700	500.000	255.300	600.000	258.400	700.000	263.300	800.000	0.0	0.0
QT	5.000	300.000	400.000	750.000	1600.000	750.000	0.0	0.0	0.0	0.0
X1	2150.000	11.000	225.000	235.000	1150.000	1150.000	1150.000	0.0	-1.400	0.0
GR	269.300	60.000	265.600	100.000	254.000	200.000	252.900	225.000	250.000	227.000
GR	249.500	230.000	250.000	233.000	252.200	235.000	255.300	300.000	261.700	400.000
GR	269.300	500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	2200.000	12.000	216.500	219.500	50.000	50.000	50.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	252.000	252.000	0.0
GR	269.300	0.0	262.700	100.000	259.300	200.000	250.500	216.500	249.400	217.000
GR	249.000	218.000	249.400	219.000	250.500	219.500	259.900	300.000	263.400	400.000
GR	267.800	500.000	269.300	535.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.200	0.0	3.000	0.001	28.300	0.0	0.0	0.0
X1	2250.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	252.000	259.300	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	259.300	259.300	0.0
BT	12.000	0.0	269.300	0.0	100.000	262.700	0.0	200.000	259.300	0.0
BT	216.500	259.300	250.500	217.000	259.300	251.700	218.000	259.300	252.200	219.000
BT	259.300	251.700	219.500	259.300	250.500	300.000	259.900	0.0	400.000	263.400
BT	0.0	500.000	267.800	0.0	535.000	269.300	0.0	0.0	0.0	0.0
X1	2280.000	11.000	225.000	235.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	269.300	60.000	265.600	100.000	254.000	200.000	252.900	225.000	250.000	227.000
GR	249.500	230.000	250.000	233.000	252.200	235.000	255.300	300.000	261.700	400.000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

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	
A	500.00	500.00	0.0	0.0	235.00	1300.00	238.80	103.22	239.38	112.30	0.0	0.0	6.66
	500.00	500.00	0.0	0.0	235.00	1300.00	239.80	125.58	240.42	50.00	273.00	323.00	6.30
B	¹²⁰⁰ 1000.00	500.00	0.0	0.0	239.20	1300.00	243.83	164.53	244.12	143.56	0.0	0.0	4.88
	1000.00	500.00	0.0	0.0	239.20	1300.00	244.44	147.98	244.94	50.00	100.00	150.00	5.69
C	²⁷⁰⁰ 2150.00	1150.00	0.0	0.0	248.10	750.00	253.62	55.55	254.18	102.80	0.0	0.0	8.00
	2150.00	1150.00	0.0	0.0	248.10	750.00	254.64	69.02	255.23	33.78	217.76	251.55	7.35
	2200.00	50.00	0.0	0.0	249.00	750.00	254.68	34.36	255.71	46.59	0.0	0.0	12.30
	2200.00	50.00	0.0	0.0	249.00	750.00	255.34	48.88	256.09	29.90	211.67	241.57	9.36
	2250.00	50.00	0.0	0.0	249.00	750.00	260.44	300.87	260.47	149.13	0.0	0.0	2.31
	2250.00	50.00	0.0	0.0	249.00	750.00	261.10	361.61	261.13	75.12	202.42	277.54	1.99
D	²⁸⁵⁰ 2280.00	50.00	0.0	0.0	249.50	750.00	260.48	623.76	260.49	236.80	0.0	0.0	1.20
	2280.00	50.00	0.0	0.0	249.50	750.00	261.13	626.31	261.15	120.04	177.50	297.53	1.24

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH	
A	500.000	1300.000	238.800	0.0	0.0	0.0	112.303	0.0	500.000
	500.000	1300.000	239.800	1.000	0.0	0.0	50.001	62.302	500.000
B	1000.000	1300.000	243.826	0.0	5.026	0.0	143.563	0.0	500.000
	1000.000	1300.000	244.441	0.615	4.641	0.0	50.001	93.562	500.000
C	2150.000	750.000	253.616	0.0	9.790	0.0	102.797	0.0	1150.000
	2150.000	750.000	254.642	1.026 1.0	10.201	0.0	33.783	69.014	1150.000
	2200.000	750.000	254.676	0.0	1.060	0.0	46.594	0.0	50.000
	2200.000	750.000	255.337	0.660	0.694	0.0	29.902	16.691	50.000
	2250.000	750.000	260.442	0.0	5.766	0.0	149.131	0.0	50.000
	2250.000	750.000	261.103	0.660	5.766	0.0	75.120	74.011	50.000
D	2280.000	750.000	260.479	0.0	0.037	0.0	236.805	0.0	50.000
	2280.000	750.000	261.134	0.654	0.031	0.0	120.035	116.769	50.000

DATA FOR LAST CROSS SECTION PROFILE

TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	5.140	0.0
2	4.000	0.233	-3.251

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T1 TRIB. 8 BASIN 6 NEUSE RIVER TRIB.
 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.	239.800	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 103.22 WSEL= 238.80 ENC Q1= 131.20 WSEL= 239.80 RATIO= -0.2711
 NAT Q1= 179. RATIOS LOB,CH,ROB= 0.0508 0.7313 0.2178 WSEL= 239.80
 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLUSS BANK ELEV
 Q QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID LNDST

3470 ENCROACHMENT STATIONS= 273.0 323.0 TYPE= 4 TARGET= 0.269
 500.00 4.80 239.80 0.0 238.80 240.42 0.62 0.0 0.0 236.40
 1300. 0. 1300. 0. 0. 206. 0. 0. 0. 235.70
 0.0 0.0 6.30 0.02 0.085 0.060 0.085 0.0 235.00 273.00
 0.010716 500. 500. 500. 0 0 1 0.0 50.00 323.00

2800 NAT Q1= 164.53 WSEL= 243.83 ENC Q1= 177.88 WSEL= 244.83 RATIO= -0.0811
 NAT Q1= 265. RATIOS LOB,CH,ROB= 0.0616 0.6720 0.2665 WSEL= 244.83

3470 ENCROACHMENT STATIONS= 100.0 150.0 TYPE= 4 TARGET= 0.328
 1000.00 5.24 244.44 0.0 243.83 244.94 0.50 4.52 0.01 240.60
 1300. 0. 1300. 0. 0. 228. 0. 2. 1. 239.90
 0.02 0.0 5.69 0.02 0.085 0.060 0.085 0.060 239.20 100.00
 0.007717 500. 500. 500. 4 0 1 0.0 50.00 150.00

2800 NAT Q1= 55.55 WSEL= 253.62 ENC Q1= 55.55 WSEL= 254.62 RATIO= 0.0
 NAT Q1= 107. RATIOS LOB,CH,ROB= 0.2250 0.3567 0.4182 WSEL= 254.62

3470 ENCROACHMENT STATIONS= 217.8 251.5 TYPE= 4 TARGET= 0.481
 2150.00 6.54 254.64 0.0 253.62 255.23 0.59 10.26 0.03 251.50
 750. 85. 418. 247. 22. 57. 57. 7. 2. 250.80
 0.08 3.93 7.35 4.33 0.085 0.060 0.085 0.060 248.10 217.76
 0.011806 1150. 1150. 1150. 4 0 1 0.0 33.78 251.55

2800 NAT Q1= 34.36 WSEL= 254.68 ENC Q1= 34.36 WSEL= 255.68 RATIO= 0.0
 NAT Q1= 57. RATIOS LOB,CH,ROB= 0.1774 0.2072 0.6584 WSEL= 255.68

13700.000 2500.000 222.798 0.0 0.965 0.0 216.538 0.0 875.000
 13700.000 2500.000 223.469 0.672 0.591 0.0 158.039 58.499 875.000

DATA FOR LAST CROSS SECTION
 PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH
 AREA-ACRES AREA-DIFF

Profile	Type	Enc	Target	Top Width	Top Width	Area-Acres	Area-Diff
1							
2							
3	1	0.0	0.0	92.478	0.0		
4	2	4.000	0.129	58.876	-33.602		
5							
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12825.00 100.00 0.0 0.0 208.30 3300.00 222.88 1464.06 222.92 403.00 140.00 543.00 2.47

170 163

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
13700.00	875.00	0.0	0.0	211.80	2500.00	222.80	610.17	222.93	216.54	0.0	0.0	3.87
13700.00	875.00	0.0	0.0	211.80	2500.00	223.47	651.50	223.60	158.04	128.51	286.55	3.80
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
1200.000	5000.000	179.935	0.0	0.0	0.0	655.468	0.0	1200.000				
1200.000	5000.000	180.930	0.995	0.0	0.0	315.121	340.347	1200.000				
3000.000	4800.000	191.474	0.0	11.539	0.0	274.880	0.0	1800.000				
3000.000	4800.000	191.682	0.207	10.752	0.0	179.600	95.280	1800.000				
3800.000	3520.000	193.391	0.0	1.916	0.0	162.192	0.0	800.000				
3800.000	3520.000	193.742	0.351	2.060	0.0	120.308	41.885	800.000				
4200.000	3520.000	194.794	0.0	1.403	0.0	172.520	0.0	400.000				
4200.000	3520.000	195.213	0.419	1.471	0.0	119.018	53.502	400.000				
4300.000	3520.000	195.306	0.0	0.512	0.0	40.500	0.0	100.000				
4300.000	3520.000	195.041	-0.264	-0.171	0.0	31.726	8.774	100.000				
4325.000	3520.000	195.306	0.0	0.000	0.0	40.500	0.0	25.000				
4325.000	3520.000	195.806	0.500	0.765	0.0	40.500	0.0	25.000				
4425.000	3520.000	197.641	0.0	2.334	0.0	218.266	0.0	100.000				
4425.000	3520.000	198.004	0.364	2.198	0.0	158.665	59.601	100.000				
5300.000	3520.000	199.156	0.0	1.515	0.0	334.385	0.0	875.000				
5300.000	3520.000	199.460	0.305	1.456	0.0	203.363	131.022	875.000				
8100.000	3300.000	204.777	0.0	5.622	0.0	153.956	0.0	2800.000				
8100.000	3300.000	205.230	0.453	5.770	0.0	94.843	59.113	2800.000				
9450.000	3300.000	208.336	0.0	3.559	0.0	474.226	0.0	1350.000				
9450.000	3300.000	208.771	0.435	3.541	0.0	336.401	137.826	1350.000				
9500.000	3300.000	206.665	0.0	-1.671	0.0	40.300	0.0	50.000				
9500.000	3300.000	207.220	0.555	-1.551	0.0	34.001	6.299	50.000				
9525.000	3300.000	207.889	0.0	1.224	0.0	40.300	0.0	25.000				
9525.000	3300.000	208.444	0.555	1.224	0.0	34.001	6.299	25.000				
9575.000	3300.000	210.003	0.0	2.114	0.0	568.793	0.0	50.000				
9575.000	3300.000	210.512	0.509	2.069	0.0	367.442	201.351	50.000				
10900.000	3300.000	210.983	0.0	0.980	0.0	447.957	0.0	1325.000				
10900.000	3300.000	211.460	0.477	0.948	0.0	289.676	158.281	1325.000				
12600.000	3300.000	215.828	0.0	4.844	0.0	219.304	0.0	1700.000				
12600.000	3300.000	216.160	0.332	4.700	0.0	107.220	112.083	1700.000				
12700.000	3300.000	217.662	0.0	1.834	0.0	32.637	0.0	100.000				
12700.000	3300.000	218.072	0.410	1.912	0.0	24.363	8.274	100.000				
12725.000	3300.000	217.575	0.0	-0.087	0.0	32.615	0.0	25.000				
12725.000	3300.000	218.069	0.493	-0.003	0.0	24.273	8.341	25.000				
12825.000	3300.000	221.833	0.0	4.257	0.0	403.212	0.0	100.000				
12825.000	3300.000	222.878	1.045	4.810	0.0	402.999	0.213	100.000				

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
A	1200.00	1200.00	0.0	0.0	176.50	5000.00	179.93	215.28	180.58	655.47	0.0	11.63
	1200.00	1200.00	0.0	0.0	176.50	5000.00	180.93	299.91	181.58	315.12	183.14	10.04
B	3000.00	1800.00	0.0	0.0	179.70	4800.00	191.47	1036.32	191.66	274.88	0.0	4.68
	3000.00	1800.00	0.0	0.0	179.70	4800.00	191.68	996.02	191.91	179.60	111.86	4.94
C	3800.00	800.00	0.0	0.0	183.00	3520.00	193.39	648.35	193.62	162.19	0.0	5.61
	3800.00	800.00	0.0	0.0	183.00	3520.00	193.74	628.39	194.03	120.31	145.34	5.93
D	4200.00	400.00	0.0	0.0	184.30	3520.00	194.79	347.96	195.88	172.52	0.0	9.72
	4200.00	400.00	0.0	0.0	184.30	3520.00	195.21	399.74	196.07	119.02	134.97	8.74
	4300.00	100.00	0.0	0.0	185.60	3520.00	195.31	308.59	197.30	40.50	0.0	11.86
	4300.00	100.00	0.0	0.0	185.60	3520.00	195.04	269.06	197.73	31.73	254.65	13.34
	4325.00	25.00	197.70	197.80	185.60	3520.00	195.31	308.57	197.30	40.50	0.0	11.86
	4325.00	25.00	197.70	197.80	185.60	3520.00	195.81	339.20	197.73	40.50	0.0	11.18
E	4425.00	100.00	0.0	0.0	184.50	3520.00	197.64	757.67	197.91	218.27	0.0	5.37
	4425.00	100.00	0.0	0.0	184.50	3520.00	198.00	802.27	198.26	158.67	114.87	5.18
F	5300.00	875.00	0.0	0.0	186.10	3520.00	199.16	1056.51	199.24	334.39	0.0	3.50
	5300.00	875.00	0.0	0.0	186.10	3520.00	199.46	1030.19	199.57	203.36	176.08	3.65
G	8100.00	2800.00	0.0	0.0	194.70	3300.00	204.78	421.73	205.35	153.96	0.0	7.29
	8100.00	2800.00	0.0	0.0	194.70	3300.00	205.23	424.58	205.89	94.84	142.93	7.49
H	9450.00	1350.00	0.0	0.0	198.70	3300.00	208.34	979.88	208.39	474.23	0.0	3.05
	9450.00	1350.00	0.0	0.0	198.70	3300.00	208.77	1001.73	208.84	336.40	627.70	3.08
	9500.00	50.00	0.0	0.0	198.70	3300.00	206.67	215.60	209.33	40.30	0.0	13.26
	9500.00	50.00	0.0	0.0	198.70	3300.00	207.22	224.72	209.71	34.00	644.00	12.65
	9525.00	25.00	0.0	0.0	198.70	3300.00	207.89	283.65	209.78	40.30	0.0	11.20
	9525.00	25.00	0.0	0.0	198.70	3300.00	208.44	281.44	210.30	34.00	644.00	10.93
I	9575.00	50.00	0.0	0.0	199.10	3300.00	210.00	1476.47	210.03	568.79	0.0	2.22
	9575.00	50.00	0.0	0.0	199.10	3300.00	210.51	1510.49	210.55	367.44	612.73	2.24
J	10900.00	1325.00	0.0	0.0	199.70	3300.00	210.98	926.51	211.04	447.95	0.0	3.16
	10900.00	1325.00	0.0	0.0	199.70	3300.00	211.46	923.15	211.53	289.68	301.90	3.27
K	12600.00	1700.00	0.0	0.0	206.30	3300.00	215.83	227.52	216.94	219.30	0.0	11.30
	12600.00	1700.00	0.0	0.0	206.30	3300.00	216.16	218.84	217.62	107.22	300.92	12.10
	12700.00	100.00	0.0	0.0	208.50	3300.00	217.66	206.75	221.27	32.64	0.0	16.26
	12700.00	100.00	0.0	0.0	208.50	3300.00	218.07	203.82	222.32	24.36	325.57	17.02
	12725.00	25.00	0.0	0.0	208.50	3300.00	217.58	203.02	221.27	32.61	0.0	16.44
	12725.00	25.00	0.0	0.0	208.50	3300.00	218.07	203.37	222.34	24.27	325.58	17.05
L	12825.00	100.00	0.0	0.0	208.30	3300.00	221.83	1095.63	221.89	403.21	0.0	3.12

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