

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	TW	EG	TOPWID	STENCL	STENCR	VCH
550.00	550.00	0.0	0.0	248.40	280.00	254.54	36.08	254.70	169.41	0.0	0.0	3.65
600.00	50.00	0.0	0.0	248.50	280.00	254.75	139.08	254.77	142.61	0.0	0.0	1.51
620.00	20.00	256.50	255.00	248.50	280.00	254.75	139.08	254.77	142.62	0.0	0.0	1.51
770.00	150.00	0.0	0.0	248.60	280.00	254.82	38.99	254.95	171.46	0.0	0.0	3.42

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
550.000	280.000	254.543	0.0	0.0	0.0	169.410	0.0	550.000
600.000	280.000	254.750	0.0	0.207	0.0	142.615	0.0	50.000
620.000	280.000	254.750	0.0	0.0	0.0	142.616	0.0	20.000
770.000	280.000	254.816	0.0	0.066	0.0	171.457	0.0	150.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.785	0.0

 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. 8 BASIN 20
 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	FG
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	256.000	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

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	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
550.00	6.98	255.38	0.0	256.00	255.53	0.15	0.0	0.0	254.10
650.	2.	310.	338.	2.	73.	213.	0.	0.	254.30
0.0	0.95	4.25	1.59	0.085	0.060	0.085	0.0	248.40	5052.10
0.006006	550.	550.	550.	0	0	6	0.0	194.59	5246.68
600.00	7.10	255.60	0.0	0.0	255.65	0.05	0.10	0.01	250.10
650.	257.	198.	195.	232.	76.	180.	0.	0.	250.10
0.01	1.11	2.62	1.08	0.085	0.060	0.085	0.059	248.50	2421.40
0.001004	50.	50.	50.	2	0	1	0.0	167.93	2589.33

SPECIAL BRIDGE

50% VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	31.00	0.00	144.20	0.0	248.50	248.50

PRESSURE FLOW

LGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
256.07	255.65	0.00	0.	650.	144.	255.00	256.50	10.00

620.00	7.54	256.04	0.0	0.0	256.07	0.03	0.43	0.0	250.10
650.	266.	185.	200.	274.	81.	210.	1.	0.	250.10
0.01	0.97	2.28	0.95	0.085	0.060	0.085	0.058	248.50	2413.54
0.000698	20.	20.	20.	2	0	1	0.0	181.01	2594.55

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

T1 TRIB. 8 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-6 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.	0.006000	0.0	0.0	0.	257.000	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRISW	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

550.00	7.35	255.75	0.0	257.00	255.91	0.16	0.0	0.0	254.10
875.	3.	358.	513.	3.	80.	279.	0.	0.	254.30
0.0	1.12	4.50	1.84	0.085	0.060	0.085	0.0	248.40	5051.26
0.006011	550.	550.	550.	0	0	5	0.0	205.67	5256.93

600.00	7.48	255.98	0.0	0.0	256.04	0.06	0.12	0.01	250.10
875.	356.	251.	268.	268.	80.	205.	1.	0.	250.10
0.01	1.33	3.13	1.31	0.085	0.060	0.085	0.059	248.50	2414.65
0.001330	50.	50.	50.	2	0	1	0.0	179.16	2593.81

SPECIAL BRIDGE

50% VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	31.00	0.00	144.20	0.0	248.50	248.50

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
256.84	256.04	0.00	8.	865.	144.	255.00	256.50	30.00

620.00	8.28	256.78	0.0	0.0	256.82	0.04	0.77	0.0	250.10
875.	371.	221.	283.	352.	90.	265.	1.	0.	250.10
0.01	1.06	2.47	1.06	0.085	0.060	0.085	0.058	248.50	2400.36
0.000711	20.	20.	20.	2	0	3	0.0	206.99	2607.35

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

T1 IRIB. 8 BASIN 20
 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.	0.006000	0.0	0.0	0.	258.000	0.0
J2	NPROF	IPL0T	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	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	ENDST	
550.00	8.44	256.84	0.0	258.00	257.03	0.19	0.0	0.0	254.10	
1750.	13.	517.	1220.	8.	99.	495.	0.	0.	254.30	
0.0	1.57	5.21	2.46	0.085	0.060	0.085	0.0	248.40	5048.80	
0.006003	550.	550.	550.	0	0	5	0.0	258.30	5287.11	
600.00	8.58	257.08	0.0	0.0	257.20	0.12	0.17	0.01	250.10	
1750.	757.	418.	575.	386.	93.	292.	1.	0.	250.10	
0.01	1.96	4.47	1.97	0.085	0.060	0.085	0.059	248.50	2396.44	
0.002216	50.	50.	50.	2	0	1	0.0	218.95	2615.39	

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	2.60	0.0	31.00	0.00	144.20	0.0	248.50	248.50

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
260.52	257.20	0.00	656.	1098.	144.	255.00	256.50	30.00

620.00	9.88	258.38	0.0	0.0	258.44	0.06	1.23	0.0	250.10
1750.	799.	339.	611.	547.	109.	433.	1.	0.	250.10
0.01	1.46	3.11	1.41	0.085	0.060	0.085	0.058	248.50	2380.23
0.000874	20.	20.	20.	2	0	3	0.0	269.27	2649.50

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

Sta. 10
Stream Bed
w.s. profiles

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	550.00	550.00	0.0	0.0	248.40	280.00	254.54	36.08	254.70	169.41	0.0	0.0	3.65
	550.00	550.00	0.0	0.0	248.40	650.00	255.38	83.87	255.53	194.59	0.0	0.0	4.25
	550.00	550.00	0.0	0.0	248.40	875.00	255.75	112.86	255.91	205.67	0.0	0.0	4.50
	550.00	550.00	0.0	0.0	248.40	1750.00	256.84	225.86	257.03	238.30	0.0	0.0	5.21
	600.00	50.00	0.0	0.0	248.50	280.00	254.75	139.08	254.77	142.61	0.0	0.0	1.51
	600.00	50.00	0.0	0.0	248.50	650.00	255.60	205.15	255.65	167.93	0.0	0.0	2.62
	600.00	50.00	0.0	0.0	248.50	875.00	255.98	239.90	256.04	179.16	0.0	0.0	3.13
	600.00	50.00	0.0	0.0	248.50	1750.00	257.08	371.74	257.20	218.95	0.0	0.0	4.47
	620.00	20.00	256.50	255.00	248.50	280.00	254.75	139.08	254.77	142.62	0.0	0.0	1.51
	620.00	20.00	256.50	255.00	248.50	650.00	256.04	245.96	256.07	181.01	0.0	0.0	2.28
	620.00	20.00	256.50	255.00	248.50	875.00	256.78	328.14	256.82	206.99	0.0	0.0	2.47
	620.00	20.00	256.50	255.00	248.50	1750.00	258.38	592.04	258.44	269.27	0.0	0.0	3.11
B	770.00	150.00	0.0	0.0	248.60	280.00	254.82	38.99	254.95	171.46	0.0	0.0	3.42
	770.00	150.00	0.0	0.0	248.60	650.00	256.19	134.71	256.26	213.02	0.0	0.0	2.91
	770.00	150.00	0.0	0.0	248.60	875.00	256.92	213.33	256.98	235.20	0.0	0.0	2.72
	770.00	150.00	0.0	0.0	248.60	1750.00	258.54	460.97	258.60	266.06	0.0	0.0	3.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
550.000	280.000	254.543	0.0	0.0	0.0	169.410	0.0	550.000
550.000	650.000	255.381	0.838	0.0	0.0	194.586	-25.176	550.000
550.000	875.000	255.749	0.369	0.0	0.0	205.668	-36.258	550.000
550.000	1750.000	256.835	1.086	0.0	0.0	238.305	-68.895	550.000
600.000	280.000	254.750	0.0	0.207	0.0	142.615	0.0	50.000
600.000	650.000	255.601	0.851	0.221	0.0	167.932	-25.317	50.000
600.000	875.000	255.979	0.378	0.230	0.0	179.161	-36.546	50.000
600.000	1750.000	257.084	1.106	0.249	0.0	218.953	-76.359	50.000
620.000	280.000	254.750	0.0	0.0	0.0	142.616	0.0	20.000
620.000	650.000	256.041	1.291	0.440	0.0	181.010	-38.394	20.000
620.000	875.000	256.779	0.738	0.800	0.0	206.988	-64.372	20.000
620.000	1750.000	258.381	1.602	1.296	0.0	269.267	-126.651	20.000
770.000	280.000	254.816	0.0	0.066	0.0	171.457	0.0	150.000
770.000	650.000	256.194	1.379	0.153	0.0	213.016	-41.559	150.000
770.000	875.000	256.925	0.731	0.146	0.0	235.195	-63.758	150.000
770.000	1750.000	258.542	1.617	0.161	0.0	266.063	-94.605	150.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.785	0.0
2	0.0	0.0	0.967	0.181
3	0.0	0.0	1.071	0.286
4	0.0	0.0	1.296	0.511

SUMMARY PILOT 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
550.00	550.00	0.0	0.0	248.40	875.00	255.75	112.86	255.91	205.67	0.0	0.0	4.50
600.00	50.00	0.0	0.0	248.50	875.00	255.98	239.90	256.04	179.16	0.0	0.0	3.13
620.00	20.00	256.50	255.00	248.50	875.00	256.78	328.14	256.82	206.99	0.0	0.0	2.47
770.00	150.00	0.0	0.0	248.60	875.00	256.92	213.33	256.98	235.20	0.0	0.0	2.72

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
550.000	875.000	255.749	0.0	0.0	0.0	205.668	0.0	550.000
600.000	875.000	255.979	0.0	0.230	0.0	179.161	0.0	50.000
620.000	875.000	256.779	0.0	0.800	0.0	206.988	0.0	20.000
770.000	875.000	256.925	0.0	0.146	0.0	235.195	0.0	150.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	1.071	0.0

 REC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 TR18.8 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	256.750	0.0
J2	NPROF	IPL0T	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= 112.86 WSEL= 255.75 ENC Q1= 112.86 WSEL= 256.75 RATIO= 0.0

NAT Q1=	215.	RATIOS	LOB,CH,ROB=	0.0073	0.3016	0.6911	WSEL=	256.75	
SECNO	DEPTH	CWSEL	CRWS	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	ENDST

3470 ENCROACHMENT STATIONS= 5053.1 5126.4 TYPE= 4 TARGET= 0.476
 550.00 8.35 256.75 0.0 255.75 257.04 0.29 0.0 0.0 254.10
 875. 9. 513. 353. 4. 98. 137. 0. 0. 254.30
 0.0 2.22 5.25 2.58 0.085 0.060 0.085 0.0 248.40 5053.08
 0.006235 550. 550. 550. 0 0 1 0.0 73.33 5126.41

2800 NAT Q1= 239.90 WSEL= 255.98 ENC Q1= 239.90 WSEL= 256.98 RATIO= -0.0000
 NAT Q1= 356. RATIOS LOB,CH,ROB= 0.4296 0.2436 0.3268 WSEL= 256.98

3470 ENCROACHMENT STATIONS= 2461.3 2567.3 TYPE= 4 TARGET= 0.327
 600.00 8.60 257.10 0.0 255.98 257.14 0.04 0.07 0.03 250.10
 875. 353. 226. 296. 264. 94. 224. 0. 0. 250.10
 0.01 1.34 2.41 1.32 0.085 0.060 0.085 0.059 248.50 2461.33
 0.000642 50. 50. 50. 2 0 1 0.0 105.93 2567.26

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	2.60	0.0	31.00	0.00	144.20	0.0	248.50	248.50

2800 NAT Q1= 328.14 WSEL= 256.75 ENC Q1= 328.14 WSEL= 257.78 RATIO= 0.0

NAT Q1= 483. RATIOS LOB,CH,ROB= 0.4477 0.2121 0.3401 WSEL= 257.78
 WATER EL=CHANGE FROM NATURAL PROFILES BRIDGE

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES

4 100 YEAR FLOODWAY

6	SECTION	CHANNEL	MIN EL OF	MAX EL OF	MIN EL	DISCHARGE	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
7	NUMBER	LENGTH	ROADWAY	LOW CHORD	GROUND	(CFS)							
9	550.00	550.00	0.0	0.0	248.40	875.00	255.75	112.86	235.91	205.67	0.0	0.0	4.50
10	550.00	550.00	0.0	0.0	248.40	875.00	256.75	110.83	257.04	73.33	5053.09	5126.42	5.25
12	600.00	50.00	0.0	0.0	248.50	875.00	255.98	239.90	256.04	179.16	0.0	0.0	3.13
13	600.00	50.00	0.0	0.0	248.50	875.00	257.10	345.40	257.14	105.93	2461.33	2567.26	2.41
15	620.00	20.00	0.0	0.0	248.50	875.00	256.78	328.14	256.82	206.99	0.0	0.0	2.17
16	620.00	20.00	0.0	0.0	248.50	875.00	257.90	447.63	257.93	115.54	2454.38	2569.92	1.98
18	770.00	150.00	0.0	0.0	248.60	875.00	256.92	213.33	256.98	235.20	0.0	0.0	2.72
19	770.00	150.00	0.0	0.0	248.60	875.00	257.96	213.95	258.05	104.18	5051.07	5155.25	3.05

21	SECTION	DISCHARGE	CWSEL	CWSEL DIFF	CWSEL DIFF	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
22	NUMBER	CFS		EACH Q	EACH SECTION				
23	550.000	875.000	255.749	0.0	0.0	0.0	205.668	0.0	550.000
24	550.000	875.000	256.750	1.001	0.0	0.0	73.332	132.336	550.000
26	600.000	875.000	255.979	0.0	0.230	0.0	179.161	0.0	50.000
27	600.000	875.000	257.098	1.119	0.348	0.0	105.932	73.229	50.000
29	620.000	875.000	256.779	0.0	0.800	0.0	206.988	0.0	20.000
30	620.000	875.000	257.898	1.119	0.800	0.0	115.536	91.452	20.000
32	770.000	875.000	256.925	0.0	0.146	0.0	235.195	0.0	150.000
33	770.000	875.000	257.964	1.039	0.066	0.0	104.180	131.016	150.000

35 DATA FOR LAST CROSS SECTION

36	PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH
37				AREA-ACRES	AREA-DIFF
39	1	0.0	0.0	1.071	0.0
40	2	4.000	0.396	0.532	-0.539

41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					