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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.002000	0.0	0.0	0.	228.000	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	300.000	880.000	1430.000	2750.000	1430.000	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	3150.000	17.000	569.000	585.000	3150.000	3150.000	3150.000	0.0	-0.200	0.0
GR	242.200	0.0	240.400	10.000	232.900	100.000	231.900	200.000	229.400	300.000
GR	227.800	400.000	229.100	500.000	226.700	569.000	226.200	570.000	225.800	578.000
GR	224.400	584.000	226.700	585.000	229.200	600.000	230.500	700.000	236.000	800.000
GR	237.600	833.000	242.200	900.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	3200.000	16.000	600.000	620.000	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	0.0	0.0	0.0
GR	248.600	0.0	240.400	100.000	240.400	200.000	237.600	300.000	236.000	400.000
GR	235.400	500.000	236.000	600.000	225.800	601.000	225.800	610.000	225.800	620.000
GR	236.200	621.000	237.700	700.000	240.400	800.000	243.100	900.000	246.100	1000.000
GR	248.400	1100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	3.000	0.0	20.000	0.001	154.000	0.0	0.0	0.0
X1	3250.000	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	0.0	0.0	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	0.0	0.0	0.0
BT	7.000	500.000	235.400	0.0	600.000	236.000	0.0	600.100	236.000	232.500
BT	610.000	236.100	232.500	620.000	236.200	232.500	620.100	236.200	0.0	700.000
BT	237.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	3300.000	17.000	569.000	585.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	242.200	0.0	240.400	10.000	232.900	100.000	231.900	200.000	229.400	300.000
GR	227.800	400.000	229.100	500.000	226.700	569.000	226.200	570.000	225.800	578.000
GR	224.400	584.000	226.700	585.000	229.200	600.000	230.500	700.000	236.000	800.000
GR	237.600	833.000	242.200	900.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	220.000	640.000	1020.000	2150.000	1020.000	0.0	0.0	0.0	0.0
X1	8150.000	19.000	586.000	596.000	4850.000	4850.000	4850.000	0.0	-0.600	0.0
GR	295.000	0.0	289.900	100.000	285.800	200.000	283.800	300.000	282.000	400.000
GR	280.200	500.000	277.700	586.000	277.000	587.000	277.000	593.000	277.000	595.000
GR	277.400	596.000	278.600	600.000	279.300	700.000	281.800	800.000	287.500	900.000
GR	289.900	1000.000	291.000	1100.000	294.100	1200.000	300.100	1300.000	0.0	0.0

*changed from 222.40*

*-0.200*  
*229.400*

*229.400*



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	TQ	EG	TOPWID	STENCL	STENCR	VCH
3150.00	3150.00	0.0	0.0	224.20	300.00	228.93	66.54	228.98	282.83	0.0	0.0	2.38
3200.00	50.00	0.0	0.0	225.80	300.00	228.88	28.20	229.28	19.60	0.0	0.0	5.08
3250.00	50.00	235.40	232.50	225.80	300.00	228.88	28.18	229.28	19.60	0.0	0.0	5.08
3300.00	50.00	0.0	0.0	224.40	300.00	229.42	92.20	229.44	318.02	0.0	0.0	1.82
8150.00	4850.00	0.0	0.0	276.40	220.00	278.51	14.95	278.82	135.62	0.0	0.0	5.78
8200.00	50.00	0.0	0.0	276.60	220.00	279.96	9.84	280.48	45.15	0.0	0.0	8.47
8260.00	60.00	282.10	279.70	276.60	220.00	282.88	104.07	282.89	253.31	0.0	0.0	1.27
8310.00	50.00	0.0	0.0	277.00	220.00	282.89	496.31	282.89	468.43	0.0	0.0	0.35

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3150.000	300.000	228.932	0.0	0.0	0.0	282.826	0.0	3150.000
3200.000	300.000	228.883	0.0	-0.049	0.0	19.599	0.0	50.000
3250.000	300.000	228.883	0.0	0.000	0.0	19.599	0.0	50.000
3300.000	300.000	229.423	0.0	0.539	0.0	318.024	0.0	50.000
8150.000	220.000	278.511	0.0	49.088	0.0	135.624	0.0	4850.000
8200.000	220.000	279.955	0.0	1.444	0.0	45.146	0.0	50.000
8260.000	220.000	282.878	0.0	2.923	0.0	253.310	0.0	60.000
8310.000	220.000	282.889	0.0	0.011	0.0	468.435	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	26.368	0.0

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T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 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.	0.002000	0.0	0.0	0.	230.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2,000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV=	0.100	CEHV=	0.300							
SECNO	DEPTH	CWSEL	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	
3150.00	5.82	230.02	0.0	230.00	230.06	0.05	0.0	0.0	226.50	
880.	606.	208.	66.	512.	73.	74.	0.	0.	226.50	
0.0	1.18	2.86	0.89	0.085	0.060	0.085	0.0	224.20	267.27	
0.002030	3150.	3150.	3150.	0	0	3	0.0	411.06	678.33	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 236.00 ELREA= 225.80

3200.00	4.02	229.82	229.82	0.0	231.83	2.01	0.27	0.0	236.00	
880.	0.	879.	1.	0.	77.	1.	0.	0.	225.80	
0.00	0.0	11.38	1.20	0.085	0.060	0.085	0.059	225.80	600.61	
0.042110	50.	50.	50.	30	19	1	0.0	19.78	620.39	

SPECIAL BRIDGE

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T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 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.	0,002000	0.0	0.0	0.	231.000	0.0
J2	NPROF	IPL0T	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	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	
	3150.00	6.48	230.68	0.0	231.00	230.74	0.05	0.0	0.0	226.50
	1430.	1017.	260.	153.	722.	84.	149.	0.	0.	226.50
	0.0	1.41	3.11	1.03	0,085	0,060	0,085	0.0	224,20	240,62
	0.002004	3150.	3150.	3150.	0	0	5	0.0	466,37	706,99

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 236.00 ELREA= 225.80

	3200.00	5.56	231.36	231.36	0.0	234.11	2.75	0.27	0.0	236.00
	1430.	0.	1428.	2.	0.	107.	1.	1.	0.	225.80
	0.00	0.0	13.32	1.46	0,085	0,060	0,085	0,059	225,80	600,45
	0.040625	50.	50.	50.	30	11	1	0.0	20,08	620,53

SPECIAL BRIDGE

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T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 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.	0.002000	0.0	0.0	0.	233.000	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	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	
3150.00	7.65	231.85	0.0	233.00	231.91	0.06	0.0	0.0	226.50	
2750.	1969.	359.	422.	1131.	102.	303.	0.	0.	226.50	
0.0	1.74	3.52	1.39	0.085	0.060	0.085	0.0	224.20	185.37	
0.001961	3150.	3150.	3150.	0	0	4	0.0	542.75	728.11	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 236.00 ELREA= 225.80

3200.00	8.57	234.37	234.37	0.0	238.58	4.20	0.26	0.0	236.00	
2750.	0.	2743.	7.	0.	167.	4.	1.	0.	225.80	
0.00	0.0	16.47	1.94	0.085	0.060	0.085	0.059	225.80	600.16	
0.040310	50.	50.	50.	30	8	1	0.0	20.67	620.82	

SPECIAL BRIDGE

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	3150.00	3150.00	0.0	0.0	224.20	300.00	228.93	66.54	228.98	282.83	0.0	0.0	2.38
	3150.00	3150.00	0.0	0.0	224.20	880.00	230.02	195.29	230.06	411.06	0.0	0.0	2.86
	3150.00	3150.00	0.0	0.0	224.20	1430.00	230.68	319.44	230.74	466.37	0.0	0.0	3.11
	3150.00	3150.00	0.0	0.0	224.20	2750.00	231.85	621.02	231.91	542.75	0.0	0.0	3.52
	3200.00	50.00	0.0	0.0	225.80	300.00	228.88	28.20	229.28	19.60	0.0	0.0	5.08
	3200.00	50.00	0.0	0.0	225.80	880.00	229.82	42.88	231.83	19.78	0.0	0.0	11.38
	3200.00	50.00	0.0	0.0	225.80	1430.00	231.36	70.95	234.11	20.08	0.0	0.0	13.32
	3200.00	50.00	0.0	0.0	225.80	2750.00	234.37	136.97	238.58	20.67	0.0	0.0	16.47
	3250.00	50.00	235.40	232.50	225.80	300.00	228.88	28.18	229.28	19.60	0.0	0.0	5.08
	3250.00	50.00	235.40	232.50	225.80	880.00	229.82	42.90	231.83	19.78	0.0	0.0	11.38
	3250.00	50.00	235.40	232.50	225.80	1430.00	231.36	70.97	234.11	20.08	0.0	0.0	13.32
	3250.00	50.00	235.40	232.50	225.80	2750.00	238.27	474.89	238.58	445.01	0.0	0.0	5.90
B	3300.00	50.00	0.0	0.0	224.40	300.00	229.42	92.20	229.44	318.02	0.0	0.0	1.82
	3300.00	50.00	0.0	0.0	224.40	880.00	232.06	625.59	232.07	544.48	0.0	0.0	1.12
	3300.00	50.00	0.0	0.0	224.40	1430.00	234.40	1606.31	234.40	688.78	0.0	0.0	0.87
	3300.00	50.00	0.0	0.0	224.40	2750.00	238.61	4615.88	238.61	816.25	0.0	0.0	0.76
C	8150.00	4850.00	0.0	0.0	276.40	220.00	278.51	14.95	278.82	135.62	0.0	0.0	5.78
	8150.00	4850.00	0.0	0.0	276.40	640.00	279.14	39.05	279.51	201.80	0.0	0.0	7.69
	8150.00	4850.00	0.0	0.0	276.40	1020.00	279.39	53.76	279.91	220.69	0.0	0.0	9.46
	8150.00	4850.00	0.0	0.0	276.40	2150.00	280.04	107.20	280.71	278.30	0.0	0.0	11.42
	8200.00	50.00	0.0	0.0	276.60	220.00	279.96	9.84	280.48	45.15	0.0	0.0	8.47
	8200.00	50.00	0.0	0.0	276.60	640.00	280.97	26.36	281.74	68.32	0.0	0.0	11.21
	8200.00	50.00	0.0	0.0	276.60	1020.00	281.57	41.27	282.47	81.75	0.0	0.0	12.51
	8200.00	50.00	0.0	0.0	276.60	2150.00	282.91	106.16	283.64	256.82	0.0	0.0	12.18
	8260.00	60.00	282.10	279.70	276.60	220.00	282.88	104.07	282.89	253.31	0.0	0.0	1.27
	8260.00	60.00	282.10	279.70	276.60	640.00	283.79	203.00	283.80	378.93	0.0	0.0	2.08
	8260.00	60.00	282.10	279.70	276.60	1020.00	284.42	307.41	284.44	449.60	0.0	0.0	2.32
	8260.00	60.00	282.10	279.70	276.60	2150.00	285.89	685.57	285.91	594.09	0.0	0.0	2.47
D	8310.00	50.00	0.0	0.0	277.00	220.00	282.89	496.31	282.89	468.43	0.0	0.0	0.35
	8310.00	50.00	0.0	0.0	277.00	640.00	283.81	763.97	283.81	535.91	0.0	0.0	0.73
	8310.00	50.00	0.0	0.0	277.00	1020.00	284.45	990.08	284.45	578.88	0.0	0.0	0.95
	8310.00	50.00	0.0	0.0	277.00	2150.00	285.92	1644.58	285.93	675.39	0.0	0.0	1.36

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3150.000	300.000	228.932	0.0	0.0	0.0	282.826	0.0	3150.000
3150.000	880.000	230.018	1.087	0.0	0.0	411.061	-128.235	3150.000
3150.000	1430.000	230.684	0.666	0.0	0.0	466.371	-183.545	3150.000
3150.000	2750.000	231.846	1.162	0.0	0.0	542.747	-259.921	3150.000
3200.000	300.000	228.883	0.0	-0.049	0.0	19.599	0.0	50.000
3200.000	880.000	229.823	0.940	-0.195	0.0	19.781	-0.182	50.000
3200.000	1430.000	231.361	1.538	0.677	0.0	20.080	-0.481	50.000
3200.000	2750.000	234.374	3.013	2.528	0.0	20.665	-1.066	50.000

3250,000	300,000	228,883	0.0	0,000	0.0	19,599	0.0	50,000
3250,000	880,000	229,824	0.941	0,001	0.0	19,781	-0,182	50,000
3250,000	1430,000	231,363	1.539	0,001	0.0	20,080	-0,481	50,000
3250,000	2750,000	238,273	6.910	3,899	0.0	445,008	-425,409	50,000
3300,000	300,000	229,423	0.0	0,539	0.0	318,024	0.0	50,000
3300,000	880,000	232,061	2.639	2,237	0.0	544,480	-226,456	50,000
3300,000	1430,000	234,398	2.337	3,035	0.0	688,781	-370,757	50,000
3300,000	2750,000	238,611	4.213	0,338	0.0	816,249	-498,225	50,000
8150,000	220,000	278,511	0.0	49,080	0.0	135,624	0.0	4850,000
8150,000	640,000	279,140	0,629	47,079	0.0	201,803	-66,178	4850,000
8150,000	1020,000	279,394	0,254	44,996	0.0	220,693	-85,069	4850,000
8150,000	2150,000	280,042	0,648	41,432	0.0	278,297	-142,673	4850,000
8200,000	220,000	279,955	0.0	1,444	0.0	45,146	0.0	50,000
8200,000	640,000	280,975	1,020	1,835	0.0	68,315	-23,169	50,000
8200,000	1020,000	281,566	0,591	2,173	0.0	81,747	-36,601	50,000
8200,000	2150,000	282,911	1,345	2,869	0.0	256,816	-211,670	50,000
8260,000	220,000	282,878	0.0	2,923	0.0	253,310	0.0	60,000
8260,000	640,000	283,786	0,908	2,811	0.0	378,929	-125,620	60,000
8260,000	1020,000	284,416	0,630	2,850	0.0	449,601	-196,291	60,000
8260,000	2150,000	285,887	1,471	2,975	0.0	594,093	-340,783	60,000
8310,000	220,000	282,889	0.0	0,011	0.0	468,435	0.0	50,000
8310,000	640,000	283,813	0,924	0,027	0.0	535,909	-67,474	50,000
8310,000	1020,000	284,449	0,636	0,033	0.0	578,882	-110,447	50,000
8310,000	2150,000	285,924	1,475	0,038	0.0	675,391	-206,956	50,000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENC

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	26.368	0.0
2	0.0	0.0	43.128	16.760
3	0.0	0.0	52,470	26,101
4	0.0	0.0	63.870	37,502



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  
 7  
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 9

10 T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 11 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 12 T3 100 YEAR FLOOD WATER SURFACE PROFILE  
 13

	J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
14												18
15												19
16		-1.	4.	0.	0.	0.002000	0.0	0.0	0.	231.000	0.0	20
17												21
18	J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	22
19												23
20		-1.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
21												25
22	J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0	26
23	NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0	27
24	QT	5.000	300.000	880.000	1430.000	2750.000	1430.000	0.0	0.0	0.0	0.0	28
25	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	29
26												30
27	X1	3150.000	17.000	569.000	585.000	3150.000	3150.000	3150.000	0.0	-0.200	0.0	31
28	GR	242.200	0.0	240.400	10.000	232.900	100.000	231.900	200.000	229.400	300.000	32
29	GR	227.800	400.000	229.100	500.000	226.700	569.000	226.200	570.000	225.800	578.000	33
30	GR	224.400	584.000	226.700	585.000	229.200	600.000	230.500	700.000	236.000	800.000	34
31	GR	237.600	833.000	242.200	900.000	0.0	0.0	0.0	0.0	0.0	0.0	35
32												36
33	X1	3200.000	16.000	600.000	620.000	50.000	50.000	50.000	0.0	0.0	0.0	37
34	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38
35	GR	248.600	0.0	240.400	100.000	240.400	200.000	237.600	300.000	236.000	400.000	39
36	GR	235.400	500.000	236.000	600.000	225.800	601.000	225.800	610.000	225.800	620.000	40
37	GR	236.200	621.000	237.700	700.000	240.400	800.000	243.100	900.000	246.100	1000.000	41
38	GR	248.400	1100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42
39	SB	0.900	1.500	3.000	0.0	20.000	0.001	154.000	0.0	0.0	0.0	43
40												44
41	X1	3250.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0	45
42	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46
43	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47
44	BT	7.000	500.000	235.400	0.0	600.000	236.000	0.0	600.100	236.000	232.500	48
45	BT	610.000	236.100	232.500	620.000	236.200	232.500	620.100	236.200	0.0	700.000	49
46	BT	237.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50
47												51
48	X1	3300.000	17.000	569.000	585.000	50.000	50.000	50.000	0.0	0.0	0.0	52
49	GR	242.200	0.0	240.400	10.000	232.900	100.000	231.900	200.000	229.400	300.000	53
50	GR	227.800	400.000	229.100	500.000	226.700	569.000	226.200	570.000	225.800	578.000	54
51	GR	224.400	584.000	226.700	585.000	229.200	600.000	230.500	700.000	236.000	800.000	55
52	GR	237.600	833.000	242.200	900.000	0.0	0.0	0.0	0.0	0.0	0.0	56
53	QT	5.000	220.000	640.000	1020.000	2150.000	1020.000	0.0	0.0	0.0	0.0	57
54												58
55	X1	8150.000	19.000	586.000	596.000	4850.000	4850.000	4850.000	0.0	-0.600	0.0	59
56	GR	295.000	0.0	289.900	100.000	285.800	200.000	283.800	300.000	282.000	400.000	60
57	GR	280.200	500.000	277.700	586.000	277.000	587.000	277.000	593.000	277.000	595.000	61
	GR	277.400	596.000	278.600	600.000	279.300	700.000	281.800	800.000	287.500	900.000	62
	GR	289.900	1000.000	291.000	1100.000	294.100	1200.000	300.100	1300.000	0.0	0.0	63



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
3150.00	3150.00	0.0	0.0	224.20	1430.00	230.68	319.44	230.74	466.37	0.0	0.0	3.11
3200.00	50.00	0.0	0.0	225.80	1430.00	231.36	70.95	234.11	20.08	0.0	0.0	13.32
3250.00	50.00	235.40	232.50	225.80	1430.00	231.36	70.97	234.11	20.08	0.0	0.0	13.32
3300.00	50.00	0.0	0.0	224.40	1430.00	234.40	1606.31	234.40	688.78	0.0	0.0	0.87
8150.00	4850.00	0.0	0.0	276.40	1020.00	279.39	53.76	279.91	220.69	0.0	0.0	9.46
8200.00	50.00	0.0	0.0	276.60	1020.00	281.57	41.27	282.47	81.75	0.0	0.0	12.51
8260.00	60.00	282.10	279.70	276.60	1020.00	284.42	307.41	284.44	449.60	0.0	0.0	2.32
8310.00	50.00	0.0	0.0	277.00	1020.00	284.45	990.08	284.45	578.88	0.0	0.0	0.95
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
3150.000	1430.000	230.684	0.0	0.0	0.0	466.371	0.0	3150.000				
3200.000	1430.000	231.361	0.0	0.677	0.0	20.080	0.0	50.000				
3250.000	1430.000	231.363	0.0	0.001	0.0	20.080	0.0	50.000				
3300.000	1430.000	234.398	0.0	3.035	0.0	688.781	0.0	50.000				
8150.000	1020.000	279.394	0.0	44.996	0.0	220.693	0.0	4850.000				
8200.000	1020.000	281.566	0.0	2.173	0.0	81.747	0.0	50.000				
8260.000	1020.000	284.416	0.0	2.850	0.0	449.601	0.0	60.000				
8310.000	1020.000	284.449	0.0	0.033	0.0	578.882	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	52.470	0.0							

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  
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 6  
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 11  
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10 T1 TRIBUTARY 1 (ZEBULON) BASIN 10  
 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	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	231.680	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= 319.44 WSEL= 230.68 ENC Q1= 319.44 WSEL= 231.68 RATIO= 0.0  
 25 NAT Q1= 572. RATIOS LOB,CH,ROB= 0.7156 0.1359 0.1486 WSEL= 231.68  
 26 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL OLOSS BANK ELEV  
 27 Q QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT  
 28 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA  
 29 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

33 3470 ENCROACHMENT STATIONS= 441.9 628.2 TYPE= 4 TARGET= 0.441

34	3150.00	7.48	231.68	0.0	230.68	231.77	0.09	0.0	0.0	226.50
35	1430.	860.	352.	218.	458.	99.	129.	0.	0.	226.50
36	0.0	1.88	3.54	1.69	0.085	0.060	0.085	0.0	224.20	441.89
37	0.002058	3150.	3150.	3150.	0	0	1	0.0	186.27	628.16

40 2800 NAT Q1= 70.95 WSEL= 231.36 ENC Q1= 91.24 WSEL= 232.36 RATIO= -0.2861  
 41 NAT Q1= 91. RATIOS LOB,CH,ROB= 0.0 0.9982 0.0018 WSEL= 232.36  
 42 3685 20 TRIALS USED WSEL,CWSEL

43 7185 MIN SPECIFIC ENERGY

46 3720 ASSUMED CRITICAL DEPTH

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

56 3470 ENCROACHMENT STATIONS= 600.0 620.0 TYPE= 4 TARGET= 0.002

57 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 236.00 ELREA= 225.80  
 3200.00 5.56 231.36 231.36 231.36 234.13 2.77 0.27 0.0 236.00

1 SUMMARY PRINTOUT FOR MULTIPLE PROFILES

4 100 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	3150.00	3150.00	0.0	0.0	224.20	1430.00	230.68	319.44	230.74	466.37	0.0	3.11
	3150.00	3150.00	0.0	0.0	224.20	1430.00	231.68	315.24	231.77	186.27	441.89	3.54
	3200.00	50.00	0.0	0.0	225.80	1430.00	231.36	70.95	234.11	20.08	0.0	13.32
	3200.00	50.00	0.0	0.0	225.80	1430.00	231.36	70.81	234.13	19.55	600.00	13.35
	3250.00	50.00	235.40	232.50	225.80	1430.00	231.36	70.97	234.11	20.08	0.0	13.32
	3250.00	50.00	235.40	232.50	225.80	1430.00	232.36	91.44	234.33	20.27	0.0	11.26
B	3300.00	50.00	0.0	0.0	224.40	1430.00	234.40	1606.31	234.40	688.78	0.0	0.87
	3300.00	50.00	0.0	0.0	224.40	1430.00	234.54	1310.50	234.54	359.28	321.80	1.08
C	8150.00	4850.00	0.0	0.0	276.40	1020.00	279.39	53.76	279.91	220.69	0.0	9.46
	8150.00	4850.00	0.0	0.0	276.40	1020.00	279.90	50.32	280.99	58.62	564.20	11.23
	8200.00	50.00	0.0	0.0	276.60	1020.00	281.57	41.27	282.47	81.75	0.0	12.51
	8200.00	50.00	0.0	0.0	276.60	1020.00	282.06	56.18	282.86	47.24	815.28	9.85
	8260.00	60.00	0.0	0.0	276.60	1020.00	284.42	307.41	284.44	449.60	0.0	2.32
	8260.00	60.00	0.0	0.0	276.60	1020.00	284.91	279.07	284.96	143.03	740.97	2.67
D	8310.00	50.00	0.0	0.0	277.00	1020.00	284.45	990.08	284.45	578.88	0.0	0.95
	8310.00	50.00	0.0	0.0	277.00	1020.00	284.98	903.39	284.98	269.33	453.78	1.09

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
A	3150.000	1430.000	230.684	0.0	0.0	466.371	0.0	3150.000
	3150.000	1430.000	231.680	0.996 ✓	0.0	186.269	280.102	3150.000
	3200.000	1430.000	231.361	0.0	0.677	20.080	0.0	50.000
	3200.000	1430.000	231.360	-0.002 ✓	-0.320	19.546	0.534	50.000
	3250.000	1430.000	231.363	0.0	0.001	20.080	0.0	50.000
	3250.000	1430.000	232.363	1.000 ✓	1.003	20.274	-0.194	50.000
B	3300.000	1430.000	234.398	0.0	3.035	688.781	0.0	50.000
	3300.000	1430.000	234.536	0.138 ✓	2.173	359.281	329.500	50.000
C	8150.000	1020.000	279.394	0.0	44.996	220.693	0.0	4850.000
	8150.000	1020.000	279.897	0.504 ✓	45.362	58.621	162.073	4850.000
	8200.000	1020.000	281.566	0.0	2.173	81.747	0.0	50.000
	8200.000	1020.000	282.064	0.498 ✓	2.167	47.244	34.503	50.000
	8260.000	1020.000	284.416	0.0	2.850	449.601	0.0	60.000
	8260.000	1020.000	284.914	0.498 ✓	2.850	143.033	306.568	60.000
D	8310.000	1020.000	284.449	0.0	0.033	578.882	0.0	50.000
	8310.000	1020.000	284.976	0.527 ✓	0.062	269.329	309.553	50.000

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

NOTE:

Distances in summary printout have been changed to show distance from Neuse River confluence, instead of County Line.

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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11 TRIBUTARY 1 BASIN 10  
 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.	0.001000	0.0	0.0	0.	206.000	0.0	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
-1.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0.
J5	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	5600.000	10000.000	12800.000	21000.000	12800.000	0.0	0.0	0.0	0.0
E:	5.000	0.0	0.0	0.0	0.0	10.400	0.0	0.0	0.0	0.0
X1	1950.000	16.000	1638.000	1680.000	1950.000	1950.000	1950.000	0.0	-1.000	0.0
GR	227.800	1140.000	213.800	1200.000	212.200	1300.000	211.600	1400.000	210.000	1500.000
GR	210.200	1600.000	209.600	1638.000	205.900	1645.000	201.900	1660.000	205.500	1675.000
GR	210.000	1680.000	214.900	1690.000	215.100	1700.000	221.400	1800.000	222.200	1900.000
GR	224.100	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	2000.000	23.000	1592.000	1645.000	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	0.0	0.0	0.0
GR	225.600	750.000	223.300	800.000	220.000	900.000	218.300	1000.000	218.600	1100.000
GR	217.000	1200.000	219.300	1300.000	220.300	1400.000	220.700	1500.000	220.800	1515.000
GR	216.100	1515.000	210.100	1535.000	208.200	1592.000	203.100	1600.000	201.400	1620.000
GR	204.000	1638.000	209.400	1645.000	213.500	1655.000	220.800	1655.000	221.400	1700.000
GR	222.800	1800.000	224.100	1900.000	225.300	2000.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	3.000	0.0	150.000	4.000	1555.200	0.0	0.0	0.0
X1	2040.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B1	10.000	1500.000	220.700	0.0	1515.000	223.700	218.900	1535.000	223.700	218.900
B1	1592.000	223.700	218.900	1600.000	223.700	218.900	1620.000	223.700	218.900	1638.000
B1	223.700	218.900	1645.000	223.700	218.900	1655.000	223.700	218.900	1700.000	221.400
B1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	2090.000	16.000	1638.000	1680.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	227.800	1140.000	213.800	1200.000	212.200	1300.000	211.600	1400.000	210.000	1500.000
GR	210.200	1600.000	209.600	1638.000	205.900	1645.000	201.900	1660.000	205.500	1675.000
GR	210.000	1680.000	214.900	1690.000	215.100	1700.000	221.400	1800.000	222.200	1900.000
GR	224.100	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	4600.000	8400.000	10500.000	17800.000	10500.000	0.0	0.0	0.0	0.0
X1	9350.000	23.000	805.000	843.000	7260.000	7260.000	7260.000	0.0	0.0	0.0
GR	236.900	0.0	228.700	100.000	224.900	200.000	223.600	300.000	219.200	400.000
GR	214.900	500.000	212.600	600.000	212.400	700.000	212.000	800.000	212.000	805.000
GR	211.200	809.000	206.500	824.000	211.500	839.000	212.700	843.000	211.500	900.000

	GR	212,200	1000,000	211,400	1100,000	212,600	1200,000	212,500	1500,000	213,200	1400,000	
	GR	219,800	1500,000	227,700	1600,000	229,100	1615,000	0.0	0.0	0.0	0.0	
	X1	9400,000	13,000	108,000	170,000	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	0.0	0.0	0.0	
	GR	241,700	0.0	242,100	100,000	228,300	100,000	220,700	106,000	220,700	108,000	
1	GR	215,400	111,000	208,400	144,000	213,700	169,000	216,500	170,000	219,200	194,000	1
2	GR	228,900	201,000	242,600	201,000	242,800	300,000	0.0	0.0	0.0	0.0	2
3	SB	0.900	1,500	2,600	0.0	101,000	0,001	1731,500	0.0	0.0	0.0	3
4												4
5	X1	9410,000	0.0	0.0	0.0	10,000	10,000	10,000	0.0	0.0	0.0	5
6	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	BT	11,000	0.0	247,700	0.0	100,000	242,100	232,000	106,000	242,100	232,000	8
9	BT	108,000	242,100	232,000	111,000	242,200	232,100	144,000	242,300	232,200	169,000	9
10	BT	242,400	232,300	170,000	242,400	232,300	194,000	242,500	232,400	201,000	242,600	10
11	BT	232,400	300,000	242,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12												12
13	X1	9450,000	23,000	805,000	843,000	50,000	50,000	50,000	0.0	0.0	0.0	13
14	GR	236,900	0.0	228,700	100,000	224,900	200,000	223,600	500,000	219,200	400,000	14
15	GR	214,900	500,000	212,600	600,000	212,400	700,000	212,000	800,000	212,000	805,000	15
16	GR	211,200	809,000	206,500	824,000	211,500	839,000	212,700	843,000	211,500	900,000	16
17	GR	212,200	1000,000	211,400	1100,000	212,600	1200,000	212,500	1500,000	213,200	1400,000	17
18	GR	219,800	1500,000	227,700	1600,000	229,100	1615,000	0.0	0.0	0.0	0.0	18
19												19
20	X1	10750,000	14,000	1732,000	1810,000	1290,000	1290,000	1290,000	0.0	0.0	0.0	20
21	GR	237,300	1400,000	233,200	1500,000	229,500	1600,000	220,800	1635,000	220,300	1700,000	21
22	GR	220,100	1732,000	217,300	1740,000	217,800	1770,000	218,100	1800,000	218,800	1810,000	22
23	GR	225,900	1872,000	232,300	1883,000	233,800	1900,000	237,500	2000,000	0.0	0.0	23
24												24
25	X1	10800,000	12,000	1674,000	1768,000	50,000	50,000	50,000	0.0	0.0	0.0	25
26	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	GR	237,500	1400,000	233,700	1500,000	231,500	1600,000	231,200	1638,000	230,300	1638,000	27
28	GR	218,700	1668,000	218,100	1674,000	208,300	1720,000	216,500	1768,000	231,200	1768,000	28
29	GR	233,800	1900,000	237,800	2000,000	0.0	0.0	0.0	0.0	0.0	0.0	29
30	SB	0.900	1,500	3,000	0.0	130,000	3,000	1547,200	0.0	0.0	0.0	30
31												31
32	X1	10825,000	0.0	0.0	0.0	25,000	25,000	25,000	0.0	0.0	0.0	32
33	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	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	BT	10,000	1400,000	237,300	0.0	1500,000	233,700	0.0	1600,000	231,500	0.0	35
36	BT	1638,000	234,400	226,500	1668,000	234,400	226,500	1674,000	234,400	226,500	1720,000	36
37	BT	234,400	226,500	1768,000	234,400	226,500	1900,000	233,800	0.0	2000,000	237,800	37
38	BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38
39												39
40	X1	10875,000	14,000	1732,000	1810,000	50,000	50,000	50,000	0.0	0.0	0.0	40
41	GR	237,300	1400,000	233,200	1500,000	229,500	1600,000	220,800	1635,000	220,300	1700,000	41
42	GR	220,100	1732,000	217,300	1740,000	211,800	1770,000	218,100	1800,000	218,800	1810,000	42
43	GR	225,900	1872,000	232,300	1883,000	233,800	1900,000	237,500	2000,000	0.0	0.0	43
44	QT	5,000	4400,000	7800,000	9800,000	16800,000	9800,000	0.0	0.0	0.0	0.0	44
45												45
46	X1	21750,000	18,000	425,000	443,000	10875,000	10875,000	10875,000	0.0	-2,000	0.0	46
47	GR	240,900	0.0	235,700	100,000	232,600	200,000	231,400	500,000	225,600	400,000	47
48	GR	225,500	425,000	222,200	428,000	220,100	434,000	222,200	440,000	224,000	443,000	48
49	GR	224,800	500,000	226,800	600,000	229,700	700,000	231,900	800,000	232,900	900,000	49
50	GR	235,800	1000,000	238,100	1100,000	240,400	1150,000	0.0	0.0	0.0	0.0	50
51												51
52	X1	21800,000	24,000	431,000	478,000	50,000	50,000	50,000	0.0	0.0	0.0	52
53	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53
54	GR	241,000	0.0	237,300	100,000	234,900	200,000	233,500	500,000	233,100	390,000	54
55	GR	229,900	390,000	229,900	396,000	226,900	400,000	223,700	431,000	219,500	438,000	55
56	GR	219,100	448,000	220,100	471,000	222,900	478,000	224,500	540,000	229,800	560,000	56
57	GR	229,800	562,000	233,100	562,000	233,200	600,000	233,500	700,000	233,900	800,000	57
	GR	234,800	900,000	236,300	1000,000	238,100	1100,000	239,900	1150,000	0.0	0.0	
	SB	0.900	1,500	2,600	0.0	172,000	9,000	1206,100	0.0	0.0	0.0	

	X1	21825.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0	
	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	BT	10.000	0.0	240.900	0.0	100.000	235.700	0.0	200.000	232.600	0.0	
	B1	300.000	231.400	0.0	390.000	235.200	230.800	448.000	235.200	230.800	478.000	
	B1	235.200	230.800	562.000	235.200	230.800	600.000	233.200	0.0	700.000	233.500	
1	BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2												2
3	X1	21875.000	18.000	425.000	443.000	50.000	50.000	50.000	0.0	0.0	0.0	3
4	GR	240.900	0.0	235.700	100.000	232.600	200.000	231.400	300.000	225.600	400.000	4
5	GR	223.500	425.000	222.200	428.000	220.100	434.000	222.200	440.000	224.000	443.000	5
6	GR	224.800	500.000	226.800	600.000	229.700	700.000	231.900	800.000	232.900	900.000	6
7	GR	235.800	1000.000	238.100	1100.000	240.400	1150.000	0.0	0.0	0.0	0.0	7
8												8
9	X1	22000.000	14.000	428.000	440.000	125.000	125.000	125.000	0.0	0.0	0.0	9
10	GR	249.300	220.000	241.600	250.000	237.800	290.000	231.400	300.000	225.600	400.000	10
11	GR	223.500	425.000	222.200	428.000	220.100	434.000	222.200	440.000	224.000	443.000	11
12	GR	224.800	500.000	226.800	600.000	237.500	697.000	249.300	850.000	0.0	0.0	12
13	SB	0.900	1.500	2.500	0.0	1.000	0.500	0.250	0.0	0.0	0.0	13
14												14
15	X1	22050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0	15
16	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	B1	14.000	220.000	249.300	0.0	250.000	241.600	0.0	290.000	237.800	0.0	17
18	B1	320.000	236.900	0.0	370.000	236.300	0.0	370.100	235.600	0.0	433.500	18
19	BT	235.600	220.600	434.500	235.600	220.600	500.000	235.600	0.0	500.100	236.700	19
20	BT	0.0	550.000	236.800	0.0	650.000	237.400	0.0	697.000	237.500	0.0	20
21	B1	850.000	249.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22												22
23	X1	22100.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0	23
24												24
25	X1	24150.000	17.000	1561.000	1615.000	2050.000	2050.000	2050.000	0.0	0.0	0.0	25
26	GR	255.400	865.000	251.900	900.000	246.700	1000.000	243.700	1100.000	246.600	1200.000	26
27	GR	240.400	1300.000	239.900	1400.000	238.700	1500.000	237.300	1561.000	236.000	1565.000	27
28	GR	232.000	1587.000	236.000	1610.000	237.300	1615.000	239.100	1700.000	241.900	1800.000	28
29	GR	251.100	1900.000	252.500	1965.000	0.0	0.0	0.0	0.0	0.0	0.0	29
30												30
31	X1	24200.000	21.000	1536.000	1609.000	50.000	50.000	50.000	0.0	0.0	0.0	31
32	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32
33	GR	254.800	800.000	250.000	900.000	247.200	1000.000	245.200	1100.000	243.800	1200.000	33
34	GR	242.700	1300.000	242.600	1400.000	243.700	1500.000	243.900	1510.000	239.600	1510.000	34
35	GR	236.700	1536.000	234.300	1540.000	232.200	1572.000	234.500	1602.000	236.600	1609.000	35
36	GR	241.200	1632.000	243.900	1632.000	243.800	1700.000	245.400	1800.000	247.800	1900.000	36
37	GR	252.000	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37
38	SB	0.900	1.500	2.600	0.0	122.000	3.000	925.700	0.0	0.0	0.0	38
39												39
40	X1	24225.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0	40
41	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41
42	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42
43	BT	5.000	1500.000	243.700	0.0	1510.000	246.500	242.300	1602.000	246.500	242.300	43
44	BT	1632.000	246.500	242.300	1700.000	243.800	0.0	0.0	0.0	0.0	0.0	44
45												45
46	X1	24275.000	17.000	1561.000	1615.000	50.000	50.000	50.000	0.0	0.0	0.0	46
47	GR	255.400	865.000	251.900	900.000	246.700	1000.000	243.700	1100.000	241.600	1200.000	47
48	GR	240.400	1300.000	239.900	1400.000	238.700	1500.000	237.700	1561.000	235.200	1565.000	48
49	GR	231.600	1587.000	235.200	1610.000	237.700	1615.000	239.100	1700.000	241.900	1800.000	49
50	GR	251.100	1900.000	252.500	1965.000	0.0	0.0	0.0	0.0	0.0	0.0	50
51												51
52	X1	28150.000	14.000	1612.000	1660.000	3875.000	3875.000	3875.000	0.0	-0.400	0.0	52
53	GR	251.400	1200.000	245.500	1300.000	244.000	1400.000	242.300	1500.000	237.800	1612.000	53
54	GR	235.200	1616.000	233.500	1638.000	235.800	1657.000	236.200	1658.000	237.000	1660.000	54
55	GR	241.100	1700.000	242.800	1800.000	244.800	1900.000	253.600	2000.000	0.0	0.0	55
56												56
57	X1	28200.000	20.000	1611.000	1660.000	50.000	50.000	50.000	0.0	0.0	0.0	57
	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	GR	253.300	1000.000	249.100	1100.000	246.300	1200.000	244.700	1300.000	243.800	1400.000	
	GR	243.500	1500.000	244.100	1589.000	242.500	1589.000	237.200	1600.000	237.700	1611.000	





	BT	8,000	900,000	260,900	0,0	996,000	263,200	260,600	996,000	263,200	259,000	
	BT	1075,000	263,200	259,000	1129,000	263,200	259,000	1129,100	263,200	260,600	1200,000	
	BT	260,600	0,0	1300,000	261,300	0,0	0,0	0,0	0,0	0,0	0,0	
	X1	46675,000	20,000	1026,000	1114,000	50,000	50,000	50,000	0,0	0,0	0,0	
	GR	255,900	600,000	259,800	700,000	260,700	800,000	258,600	900,000	256,200	1002,000	
1	GR	252,200	1026,000	250,200	1030,000	242,900	1050,000	250,600	1070,000	252,200	1075,000	1
2	GR	252,200	1080,000	250,700	1084,000	247,800	1100,000	251,100	1109,000	252,600	1114,000	2
3	GR	257,700	1129,000	257,700	1300,000	259,300	1380,000	265,800	1400,000	269,600	1500,000	3
4	EJ	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	4
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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
1950.00	1950.00	0.0	0.0	200.90	5600.00	215.35	1760.16	215.45	530.84	0.0	0.0	3.78
2000.00	50.00	0.0	0.0	201.40	5600.00	215.07	961.75	215.70	136.56	0.0	0.0	7.06
2040.00	40.00	220.70	218.90	201.40	5600.00	215.09	965.56	215.72	136.63	0.0	0.0	7.04
2090.00	50.00	0.0	0.0	201.90	5600.00	215.74	1481.88	215.87	518.45	0.0	0.0	4.33
9350.00	7260.00	0.0	0.0	206.50	4600.00	218.68	3711.31	218.69	1070.86	0.1	0.0	1.30
9400.00	50.00	0.0	0.0	208.40	4600.00	217.36	258.06	220.16	68.92	0.0	0.0	13.44
9410.00	10.00	242.10	232.40	208.40	4600.00	217.36	258.07	220.16	68.92	0.0	0.0	13.44
9450.00	50.00	0.0	0.0	206.50	4600.00	220.45	5669.01	220.45	1136.50	0.0	0.0	0.96
10750.00	1290.00	0.0	0.0	217.30	4600.00	222.32	289.39	223.72	211.87	0.0	0.0	10.50
10800.00	50.00	0.0	0.0	208.30	4600.00	223.73	1207.31	224.02	113.00	0.0	0.0	4.38
10825.00	25.00	231.50	226.50	208.30	4600.00	223.73	1208.39	224.02	113.01	0.0	0.0	4.37
10875.00	50.00	0.0	0.0	211.80	4600.00	223.74	786.96	224.17	230.02	0.0	0.0	5.77
21750.00	10875.00	0.0	0.0	218.10	4400.00	232.31	2505.85	232.33	803.08	0.0	0.0	2.23
21800.00	50.00	0.0	0.0	219.10	4400.00	232.22	1306.28	232.41	172.00	0.0	0.0	4.29
21825.00	25.00	231.40	230.80	219.10	4400.00	232.32	1330.67	232.51	172.00	0.0	0.0	4.24
21875.00	50.00	0.0	0.0	220.10	4400.00	232.51	1527.92	232.57	654.25	0.0	0.0	3.30
22000.00	125.00	0.0	0.0	220.10	4400.00	232.61	1350.43	232.70	354.59	0.0	0.0	3.95
22050.00	50.00	235.60	220.60	220.10	4400.00	239.14	4387.71	239.16	442.59	0.0	0.0	1.64
22100.00	50.00	0.0	0.0	220.10	4400.00	239.15	4386.15	239.16	442.53	0.0	0.0	1.64
24150.00	2050.00	0.0	0.0	232.00	4400.00	240.27	361.97	241.31	416.66	0.0	0.0	9.63
24200.00	50.00	0.0	0.0	232.20	4400.00	240.97	533.43	241.81	120.83	0.0	0.0	7.63
24225.00	25.00	243.70	242.30	232.20	4400.00	241.01	539.84	241.85	121.06	0.0	0.0	7.57
24275.00	50.00	0.0	0.0	231.60	4400.00	241.87	795.95	242.12	611.41	0.0	0.0	5.33
28150.00	3875.00	0.0	0.0	233.10	4400.00	246.22	1894.44	246.29	639.71	0.0	0.0	2.94
28200.00	50.00	0.0	0.0	233.50	4400.00	246.16	1148.45	246.37	641.47	0.0	0.0	4.70
28230.00	30.00	243.50	242.50	233.50	4400.00	247.07	1530.59	247.19	707.23	0.0	0.0	3.71

28280.00 50.00 0.0 0.0 233.50 4400.00 247.17 2193.92 247.22 655.36 0.0 0.0 2.62

36550.00 8270.00 0.0 0.0 235.80 4200.00 251.02 1787.30 251.09 762.09 0.0 0.0 2.89

1	SECTION	CHANNEL	MIN EL OF	MAX EL OF	MIN EL	DISCHARGE	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH	1
2	NUMBER	LENGTH	ROADWAY	LOW CHORD	GROUND	(CFS)								2
3	36600.00	50.00	0.0	0.0	236.30	4200.00	250.87	1028.10	251.22	476.38	0.0	0.0	5.09	3
4														4
5	36625.00	25.00	248.80	252.10	236.30	4200.00	250.87	1028.12	251.22	476.42	0.0	0.0	5.09	5
6														6
7	36675.00	50.00	0.0	0.0	236.30	4200.00	251.21	1662.04	251.29	714.79	0.0	0.0	3.05	7
8														8
9	46550.00	9875.00	0.0	0.0	240.90	3700.00	257.59	1439.82	257.71	623.00	0.0	0.0	3.02	9
10														10
11	46600.00	50.00	0.0	0.0	242.90	3700.00	257.58	910.31	257.78	199.60	0.0	0.0	3.83	11
12														12
13	46625.00	25.00	260.60	260.60	242.90	3700.00	257.58	911.32	257.79	199.68	0.0	0.0	3.82	13
14														14
15	46675.00	50.00	0.0	0.0	242.90	3700.00	257.61	859.40	257.90	230.78	0.0	0.0	4.42	15
16														16
17	SECTION	DISCHARGE	CWSEL	CWSEL DIFF	CWSEL DIFF	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					17
18	NUMBER	CFS		EACH Q	EACH SECTION									18
19	1950.000	5600.000	215.354	0.0	0.0	0.0	530.843	0.0	1950.000					19
20														20
21	2000.000	5600.000	215.067	0.0	-0.287	0.0	136.560	0.0	50.000					21
22														22
23	2040.000	5600.000	215.090	0.0	0.023	0.0	136.633	0.0	40.000					23
24														24
25	2090.000	5600.000	215.736	0.0	0.646	0.0	518.454	0.0	50.000					25
26														26
27	9350.000	4600.000	218.676	0.0	2.940	0.0	1070.859	0.0	7260.000					27
28														28
29	9400.000	4600.000	217.364	0.0	-1.312	0.0	68.915	0.0	50.000					29
30														30
31	9410.000	4600.000	217.364	0.0	0.000	0.0	68.917	0.0	10.000					31
32														32
33	9450.000	4600.000	220.448	0.0	3.084	0.0	1136.505	0.0	50.000					33
34														34
35	10750.000	4600.000	222.321	0.0	1.874	0.0	211.872	0.0	1290.000					35
36														36
37	10800.000	4600.000	223.725	0.0	1.404	0.0	112.997	0.0	50.000					37
38														38
39	10825.000	4600.000	223.731	0.0	0.006	0.0	113.012	0.0	25.000					39
40														40
41	10875.000	4600.000	223.744	0.0	0.013	0.0	230.022	0.0	50.000					41
42														42
43	21750.000	4400.000	232.309	0.0	8.564	0.0	803.077	0.0	10875.000					43
44														44
45	21800.000	4400.000	232.217	0.0	-0.092	0.0	172.000	0.0	50.000					45
46														46
47	21825.000	4400.000	232.322	0.0	0.106	0.0	172.000	0.0	25.000					47
48														48
49	21875.000	4400.000	232.514	0.0	0.192	0.0	654.251	0.0	50.000					49
50														50
51	22000.000	4400.000	232.613	0.0	0.099	0.0	354.595	0.0	125.000					51
52														52
53	22050.000	4400.000	239.142	0.0	6.529	0.0	442.594	0.0	50.000					53
54														54
55	22100.000	4400.000	239.147	0.0	0.005	0.0	442.534	0.0	50.000					55
56														56
57	24150.000	4400.000	240.274	0.0	1.127	0.0	416.655	0.0	2050.000					57
														58
	24200.000	4400.000	240.965	0.0	0.691	0.0	120.826	0.0	50.000					59



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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIBUTARY 1 BASIN 10  
 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.	0.001000	0.0	0.0	0.	208.000	0.0
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	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	ENDST

1950.00	17.00	217.90	0.0	208.00	218.02	0.12	0.0	0.0	208.60
10000.	7217.	2518.	265.	3376.	587.	218.	0.	0.	209.00
0.0	2.14	4.29	1.21	0.085	0.060	0.085	0.0	200.90	1178.16
0.000996	1950.	1950.	1950.	0	0	9	0.0	582.11	1760.27

3301 HV CHANGED MORE THAN HVINS

2000.00	15.85	217.25	0.0	0.0	218.40	1.19	0.10	0.32	208.20
10000.	2619.	7196.	185.	545.	729.	58.	3.	0.	209.40
0.00	4.80	9.87	3.19	0.085	0.060	0.085	0.059	201.40	1515.00
0.005260	50.	50.	50.	2	0	1	0.0	140.00	1655.00

SPECIAL BRIDGE

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

SB	XK	XKOR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	3.00	0.0	150.00	4.00	1555.20	0.0	201.40	201.40

CLASS A LOW FLOW

BRIDGE W.S.= 217.25 BRIDGE VELOCITY= 4.33

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.0	218.48	0.06	0.	10000.	1555.	218.90	220.70	1.00

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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11 TRIBUTARY 1 BASIN 10  
 12 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 13 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.001000	0.0	0.0	0.	209.000	0.0

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	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	CR1WS	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
1950.00	18.28	219.18	0.0	209.00	219.32	0.14	0.0	0.0	208.60
12800.	9415.	2931.	454.	3971.	641.	334.	0.	0.	209.00
0.0	2.37	4.58	1.36	0.085	0.060	0.085	0.0	200.90	1172.65
0.001007	1950.	1950.	1950.	0	0	8	0.0	608.01	1780.66

3301 HV CHANGED MORE THAN HVINS

2000.00	16.88	218.28	0.0	0.0	219.85	1.57	0.10	0.43	208.20
12800.	3581.	8963.	256.	624.	783.	68.	4.	0.	209.40
0.00	5.74	11.44	3.75	0.085	0.060	0.085	0.059	201.40	1515.00
0.006420	50.	50.	50.	5	0	1	0.0	140.00	1655.00

SPECIAL BRIDGE

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

SB	XK	XKOR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	3.00	0.0	150.00	4.00	1555.20	0.0	201.40	201.40

3265 DIVIDED FLOW

CLASS A LOW FLOW

BRIDGE W.S.= 218.26 BRIDGE VELOCITY= 5.20

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIBUTARY 1 BASIN 10  
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.001000	0.0	0.0	0.	211.000	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	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
1950.00	21.37	222.27	0.0	211.00	222.45	0.18	0.0	0.0	208.60
21000.	15605.	3998.	1397.	5428.	770.	870.	0.	0.	209.00
0.0	2.88	5.19	1.61	0.085	0.060	0.085	0.0	200.90	1159.42
0.001013	1950.	1950.	1950.	0	0	7	0.0	796.85	1956.27

3301 HV CHANGED MORE THAN HVINS

2000.00	20.11	221.51	0.0	0.0	222.91	1.40	0.10	0.37	208.20
21000.	8879.	11692.	429.	2241.	954.	120.	6.	1.	209.40
0.00	3.96	12.25	3.58	0.085	0.060	0.085	0.059	201.40	854.17
0.005655	50.	50.	50.	3	0	1	0.0	853.85	1708.02

SPECIAL BRIDGE

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

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	3.00	0.0	150.00	4.00	1555.20	0.0	201.40	201.40

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
225.76	222.98	0.07	1537.	19461.	1555.	218.90	220.70	30.00



Distances have been changed to show distance from Neuse River confluence, instead of county line.  
7/3/76  
LRM

SUMMARY PRINTOUT FOR MULTIPLE PROFILES													
500 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	
<del>273,950</del>	<del>1950.00</del>	<del>1950.00</del>	<del>0.0</del>	<del>0.0</del>	<del>200.90</del>	<del>5600.00</del>	<del>215.35</del>	<del>1760.16</del>	<del>215.45</del>	<del>530.84</del>	<del>0.0</del>	<del>0.0</del>	<del>3.78</del>
A	1950.00	1950.00	0.0	0.0	200.90	10000.00	217.90	3168.24	218.02	582.11	0.0	0.0	4.29
	1950.00	1950.00	0.0	0.0	200.90	12800.00	219.18	4034.42	219.32	608.01	0.0	0.0	4.58
	1950.00	1950.00	0.0	0.0	200.90	21000.00	222.27	6597.64	222.45	756.85	0.0	0.0	5.19
<del>273,000</del>	<del>2000.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>201.40</del>	<del>5600.00</del>	<del>215.07</del>	<del>961.75</del>	<del>215.70</del>	<del>136.56</del>	<del>0.0</del>	<del>0.0</del>	<del>7.06</del>
	2000.00	50.00	0.0	0.0	201.40	10000.00	217.25	1378.79	218.44	140.00	0.0	0.0	9.87
	2000.00	50.00	0.0	0.0	201.40	12800.00	218.28	1597.47	219.85	140.00	0.0	0.0	11.44
	2000.00	50.00	0.0	0.0	201.40	21000.00	221.51	2792.55	222.91	853.85	0.0	0.0	12.25
<del>273,040</del>	<del>2040.00</del>	<del>40.00</del>	<del>220.70</del>	<del>218.90</del>	<del>201.40</del>	<del>5600.00</del>	<del>215.09</del>	<del>965.56</del>	<del>215.72</del>	<del>136.63</del>	<del>0.0</del>	<del>0.0</del>	<del>7.04</del>
	2040.00	40.00	220.70	218.90	201.40	10000.00	217.31	1389.74	218.48	140.00	0.0	0.0	9.82
	2040.00	40.00	220.70	218.90	201.40	12800.00	218.38	1617.85	219.92	169.76	0.0	0.0	11.34
	2040.00	40.00	220.70	218.90	201.40	21000.00	224.81	5464.66	225.16	1192.63	0.0	0.0	7.00
<del>273,090</del>	<del>2090.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>201.90</del>	<del>5600.00</del>	<del>215.74</del>	<del>1481.88</del>	<del>215.87</del>	<del>518.45</del>	<del>0.0</del>	<del>0.0</del>	<del>4.33</del>
B	2090.00	50.00	0.0	0.0	201.90	10000.00	218.55	2957.14	218.69	575.28	0.0	0.0	4.52
	2090.00	50.00	0.0	0.0	201.90	12800.00	220.02	3923.27	220.16	604.85	0.0	0.0	4.67
	2090.00	50.00	0.0	0.0	201.90	21000.00	225.11	8525.86	225.23	848.45	0.0	0.0	4.28
<del>280,350</del>	<del>9350.00</del>	<del>7260.00</del>	<del>0.0</del>	<del>0.0</del>	<del>206.50</del>	<del>4600.00</del>	<del>218.68</del>	<del>3711.31</del>	<del>218.69</del>	<del>1070.86</del>	<del>0.0</del>	<del>0.0</del>	<del>1.30</del>
	9350.00	7260.00	0.0	0.0	206.50	8400.00	221.30	6754.09	221.31	1166.55	0.0	0.0	1.54
C	9350.00	7260.00	0.0	0.0	206.50	10500.00	222.65	8660.37	222.67	1214.33	0.0	0.0	1.62
	9350.00	7260.00	0.0	0.0	206.50	17800.00	226.98	16390.78	227.00	1445.48	0.0	0.0	1.75
<del>280,400</del>	<del>9400.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>208.40</del>	<del>4600.00</del>	<del>217.36</del>	<del>258.06</del>	<del>220.16</del>	<del>68.92</del>	<del>0.0</del>	<del>0.0</del>	<del>13.44</del>
	9400.00	50.00	0.0	0.0	208.40	8400.00	220.33	525.22	223.91	86.60	0.0	0.0	15.46
	9400.00	50.00	0.0	0.0	208.40	10500.00	221.53	666.27	225.58	90.33	0.0	0.0	16.58
	9400.00	50.00	0.0	0.0	208.40	17800.00	224.98	1167.66	230.51	95.55	0.0	0.0	19.67
<del>280,410</del>	<del>9410.00</del>	<del>10.00</del>	<del>242.10</del>	<del>232.40</del>	<del>208.40</del>	<del>4600.00</del>	<del>217.36</del>	<del>258.07</del>	<del>220.16</del>	<del>68.92</del>	<del>0.0</del>	<del>0.0</del>	<del>13.44</del>
	9410.00	10.00	242.10	232.40	208.40	8400.00	220.33	525.24	223.91	86.60	0.0	0.0	15.46
	9410.00	10.00	242.10	232.40	208.40	10500.00	221.53	666.30	225.58	90.33	0.0	0.0	16.58
	9410.00	10.00	242.10	232.40	208.40	17800.00	224.98	1167.72	230.51	95.55	0.0	0.0	19.67
<del>280,460</del>	<del>9450.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>206.50</del>	<del>4600.00</del>	<del>220.45</del>	<del>5669.01</del>	<del>220.45</del>	<del>1136.50</del>	<del>0.0</del>	<del>0.0</del>	<del>0.96</del>
D	9450.00	50.00	0.0	0.0	206.50	8400.00	224.27	11259.52	224.28	1308.29	0.0	0.0	1.08
	9450.00	50.00	0.0	0.0	206.50	10500.00	225.99	14397.43	226.00	1406.96	0.0	0.0	1.13
	9450.00	50.00	0.0	0.0	206.50	17800.00	231.06	26110.03	231.07	1543.73	0.0	0.0	1.27
<del>281,750</del>	<del>10750.00</del>	<del>1290.00</del>	<del>0.0</del>	<del>0.0</del>	<del>217.30</del>	<del>4600.00</del>	<del>222.32</del>	<del>289.39</del>	<del>223.72</del>	<del>211.87</del>	<del>0.0</del>	<del>0.0</del>	<del>10.50</del>
E	10750.00	1290.00	0.0	0.0	217.30	8400.00	223.73	520.09	225.66	229.79	0.0	0.0	12.84
	10750.00	1290.00	0.0	0.0	217.30	10500.00	225.15	821.03	226.71	248.00	0.0	0.0	11.78
	10750.00	1290.00	0.0	0.0	217.30	17800.00	230.67	2634.36	231.52	311.85	0.0	0.0	9.09
<del>281,800</del>	<del>10800.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>208.30</del>	<del>4600.00</del>	<del>223.73</del>	<del>1207.31</del>	<del>224.02</del>	<del>113.00</del>	<del>0.0</del>	<del>0.0</del>	<del>4.38</del>
	10800.00	50.00	0.0	0.0	208.30	8400.00	225.41	1531.24	226.12	117.35	0.0	0.0	6.86
	10800.00	50.00	0.0	0.0	208.30	10500.00	226.14	1681.21	227.12	119.24	0.0	0.0	8.07
	10800.00	50.00	0.0	0.0	208.30	17800.00	230.44	2676.70	231.94	130.00	0.0	0.0	10.07

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	
281, 825	10825.00	25.00	231.50	226.50	208.30	4600.00	223.73	1208.39	224.02	113.01	0.0	0.0	4.37
<del>10825.00</del>	<del>25.00</del>	<del>231.50</del>	<del>226.50</del>	<del>208.30</del>	<del>8400.00</del>	<del>225.43</del>	<del>1535.34</del>	<del>226.14</del>	<del>117.41</del>	<del>0.0</del>	<del>0.0</del>	<del>6.84</del>	
<del>10825.00</del>	<del>25.00</del>	<del>231.50</del>	<del>226.50</del>	<del>208.30</del>	<del>10500.00</del>	<del>226.25</del>	<del>1705.65</del>	<del>227.21</del>	<del>119.54</del>	<del>0.0</del>	<del>0.0</del>	<del>7.99</del>	
<del>10825.00</del>	<del>25.00</del>	<del>231.50</del>	<del>226.50</del>	<del>208.30</del>	<del>17800.00</del>	<del>232.24</del>	<del>3184.31</del>	<del>233.42</del>	<del>254.73</del>	<del>0.0</del>	<del>0.0</del>	<del>8.99</del>	
281, 875	10875.00	50.00	0.0	0.0	211.80	4600.00	223.74	786.96	224.17	230.02	0.0	0.0	5.77
<del>10875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>211.80</del>	<del>8400.00</del>	<del>225.63</del>	<del>1242.74</del>	<del>226.32</del>	<del>254.03</del>	<del>0.0</del>	<del>0.0</del>	<del>7.66</del>	
<del>10875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>211.80</del>	<del>10500.00</del>	<del>226.66</del>	<del>1547.74</del>	<del>227.44</del>	<del>261.91</del>	<del>0.0</del>	<del>0.0</del>	<del>8.21</del>	
<del>10875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>211.80</del>	<del>17800.00</del>	<del>233.12</del>	<del>4239.14</del>	<del>233.60</del>	<del>390.27</del>	<del>0.0</del>	<del>0.0</del>	<del>6.91</del>	
292, 750	21750.00	10875.00	0.0	0.0	218.10	4400.00	232.31	2505.83	232.33	803.08	0.0	0.0	2.23
<del>21750.00</del>	<del>10875.00</del>	<del>0.0</del>	<del>0.0</del>	<del>218.10</del>	<del>7800.00</del>	<del>234.88</del>	<del>4543.92</del>	<del>234.91</del>	<del>969.82</del>	<del>0.0</del>	<del>0.0</del>	<del>2.47</del>	
<del>21750.00</del>	<del>10875.00</del>	<del>0.0</del>	<del>0.0</del>	<del>218.10</del>	<del>9800.00</del>	<del>236.02</del>	<del>5694.46</del>	<del>236.06</del>	<del>1041.49</del>	<del>0.0</del>	<del>0.0</del>	<del>2.60</del>	
<del>21750.00</del>	<del>10875.00</del>	<del>0.0</del>	<del>0.0</del>	<del>218.10</del>	<del>16800.00</del>	<del>239.67</del>	<del>10422.63</del>	<del>239.70</del>	<del>1150.00</del>	<del>0.0</del>	<del>0.0</del>	<del>2.78</del>	
292, 800	21800.00	50.00	0.0	0.0	219.10	4400.00	232.22	1306.28	232.41	472.00	0.0	0.0	4.29
<del>21800.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>219.10</del>	<del>7800.00</del>	<del>234.74</del>	<del>2044.82</del>	<del>235.01</del>	<del>682.05</del>	<del>0.0</del>	<del>0.0</del>	<del>5.52</del>	
<del>21800.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>219.10</del>	<del>9800.00</del>	<del>235.89</del>	<del>2611.65</del>	<del>236.15</del>	<del>814.11</del>	<del>0.0</del>	<del>0.0</del>	<del>5.71</del>	
<del>21800.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>219.10</del>	<del>16800.00</del>	<del>239.60</del>	<del>5626.82</del>	<del>239.76</del>	<del>1403.69</del>	<del>0.0</del>	<del>0.0</del>	<del>5.23</del>	
292, 825	21825.00	25.00	231.40	230.80	219.10	4400.00	232.32	1330.67	232.51	172.00	0.0	0.0	4.24
<del>21825.00</del>	<del>25.00</del>	<del>231.40</del>	<del>230.80</del>	<del>219.10</del>	<del>7800.00</del>	<del>234.92</del>	<del>2120.91</del>	<del>235.17</del>	<del>708.65</del>	<del>0.0</del>	<del>0.0</del>	<del>5.36</del>	
<del>21825.00</del>	<del>25.00</del>	<del>231.40</del>	<del>230.80</del>	<del>219.10</del>	<del>9800.00</del>	<del>236.07</del>	<del>2715.48</del>	<del>236.31</del>	<del>833.68</del>	<del>0.0</del>	<del>0.0</del>	<del>5.53</del>	
<del>21825.00</del>	<del>25.00</del>	<del>231.40</del>	<del>230.80</del>	<del>219.10</del>	<del>16800.00</del>	<del>239.84</del>	<del>5892.93</del>	<del>240.00</del>	<del>1417.20</del>	<del>0.0</del>	<del>0.0</del>	<del>5.03</del>	
292, 875	21875.00	50.00	0.0	0.0	220.10	4400.00	232.51	1527.92	232.57	654.25	0.0	0.0	3.30
<del>21875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>7800.00</del>	<del>235.18</del>	<del>3115.02</del>	<del>235.24</del>	<del>862.04</del>	<del>0.0</del>	<del>0.0</del>	<del>3.32</del>	
<del>21875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>9800.00</del>	<del>236.32</del>	<del>4030.92</del>	<del>236.37</del>	<del>934.48</del>	<del>0.0</del>	<del>0.0</del>	<del>3.41</del>	
<del>21875.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>16800.00</del>	<del>239.98</del>	<del>8031.52</del>	<del>240.03</del>	<del>1123.16</del>	<del>0.0</del>	<del>0.0</del>	<del>3.40</del>	
293, 000	22000.00	125.00	0.0	0.0	220.10	4400.00	232.61	1350.43	232.70	354.59	0.0	0.0	3.95
<del>22000.00</del>	<del>125.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>7800.00</del>	<del>235.24</del>	<del>2360.86</del>	<del>235.36</del>	<del>382.53</del>	<del>0.0</del>	<del>0.0</del>	<del>4.59</del>	
<del>22000.00</del>	<del>125.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>9800.00</del>	<del>236.36</del>	<del>2873.34</del>	<del>236.50</del>	<del>394.45</del>	<del>0.0</del>	<del>0.0</del>	<del>4.99</del>	
<del>22000.00</del>	<del>125.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>16800.00</del>	<del>239.97</del>	<del>4901.71</del>	<del>240.16</del>	<del>461.87</del>	<del>0.0</del>	<del>0.0</del>	<del>5.78</del>	
293, 050	22050.00	50.00	235.60	220.60	220.10	4400.00	239.14	4387.71	239.16	442.59	0.0	0.0	1.64
<del>22050.00</del>	<del>50.00</del>	<del>235.60</del>	<del>220.60</del>	<del>220.10</del>	<del>7800.00</del>	<del>240.32</del>	<del>5130.77</del>	<del>240.36</del>	<del>470.12</del>	<del>0.0</del>	<del>0.0</del>	<del>2.60</del>	
<del>22050.00</del>	<del>50.00</del>	<del>235.60</del>	<del>220.60</del>	<del>220.10</del>	<del>9800.00</del>	<del>240.90</del>	<del>5519.48</del>	<del>240.95</del>	<del>483.67</del>	<del>0.0</del>	<del>0.0</del>	<del>3.09</del>	
<del>22050.00</del>	<del>50.00</del>	<del>235.60</del>	<del>220.60</del>	<del>220.10</del>	<del>16800.00</del>	<del>242.74</del>	<del>6869.88</del>	<del>242.85</del>	<del>519.37</del>	<del>0.0</del>	<del>0.0</del>	<del>4.52</del>	
293, 100	22100.00	50.00	0.0	0.0	220.10	4400.00	239.15	4386.15	239.16	442.53	0.0	0.0	1.64
<del>22100.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>7800.00</del>	<del>240.33</del>	<del>5138.45</del>	<del>240.37</del>	<del>470.39</del>	<del>0.0</del>	<del>0.0</del>	<del>2.59</del>	
<del>22100.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>9800.00</del>	<del>240.91</del>	<del>5530.43</del>	<del>240.97</del>	<del>484.04</del>	<del>0.0</del>	<del>0.0</del>	<del>3.09</del>	
<del>22100.00</del>	<del>50.00</del>	<del>0.0</del>	<del>0.0</del>	<del>220.10</del>	<del>16800.00</del>	<del>242.77</del>	<del>6899.12</del>	<del>242.88</del>	<del>520.00</del>	<del>0.0</del>	<del>0.0</del>	<del>4.50</del>	
295, 150	24150.00	2050.00	0.0	0.0	232.00	4400.00	240.27	361.97	241.31	416.66	0.0	0.0	9.63
<del>24150.00</del>	<del>2050.00</del>	<del>0.0</del>	<del>0.0</del>	<del>232.00</del>	<del>7800.00</del>	<del>241.41</del>	<del>626.19</del>	<del>242.54</del>	<del>498.58</del>	<del>0.0</del>	<del>0.0</del>	<del>11.10</del>	
<del>24150.00</del>	<del>2050.00</del>	<del>0.0</del>	<del>0.0</del>	<del>232.00</del>	<del>9800.00</del>	<del>242.19</del>	<del>872.32</del>	<del>243.16</del>	<del>532.07</del>	<del>0.0</del>	<del>0.0</del>	<del>10.75</del>	
<del>24150.00</del>	<del>2050.00</del>	<del>0.0</del>	<del>0.0</del>	<del>232.00</del>	<del>16800.00</del>	<del>245.22</del>	<del>2281.33</del>	<del>245.76</del>	<del>716.88</del>	<del>0.0</del>	<del>0.0</del>	<del>8.78</del>	

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TU	EG	TOPWID	STENCL	STENCR	VCH		
295,200	24200.00	50.00	0.0	0.0	232.20	4400.00	240.97	533.43	241.81	120.83	0.0	0.0	7.63	1
	24200.00	50.00	0.0	0.0	232.20	7800.00	241.42	596.84	243.70	122.00	0.0	0.0	12.58	2
	24200.00	50.00	0.0	0.0	232.20	9800.00	241.79	651.25	244.99	122.00	0.0	0.0	14.95	3
	24200.00	50.00	0.0	0.0	232.20	16800.00	245.69	1693.97	247.45	136.15	0.0	0.0	12.78	4
295,225	24225.00	25.00	243.70	242.30	232.20	4400.00	241.01	539.84	241.85	121.06	0.0	0.0	7.57	5
	24225.00	25.00	243.70	242.30	232.20	7800.00	247.05	2452.20	247.23	861.57	0.0	0.0	4.40	6
	24225.00	25.00	243.70	242.30	232.20	9800.00	241.99	682.15	244.99	122.00	0.0	0.0	14.51	7
	24225.00	25.00	243.70	242.30	232.20	16800.00	249.75	4639.57	249.98	1037.29	0.0	0.0	5.66	8
295,275	24275.00	50.00	0.0	0.0	231.60	4400.00	241.87	795.95	242.12	611.41	0.0	0.0	5.33	9
	24275.00	50.00	0.0	0.0	231.60	7800.00	247.23	4084.77	247.28	868.21	0.0	0.0	2.60	10
	24275.00	50.00	0.0	0.0	231.60	9800.00	245.31	2573.75	245.45	790.63	0.0	0.0	4.67	11
	24275.00	50.00	0.0	0.0	231.60	16800.00	249.95	6857.28	250.04	950.14	0.0	0.0	3.77	12
299,150	28150.00	3875.00	0.0	0.0	233.10	4400.00	246.22	1894.44	246.29	639.71	0.0	0.0	2.94	13
	28150.00	3875.00	0.0	0.0	233.10	7800.00	248.84	3528.32	248.91	713.64	0.0	0.0	3.20	14
	28150.00	3875.00	0.0	0.0	233.10	9800.00	249.11	3731.73	249.20	721.40	0.0	0.0	3.84	15
	28150.00	3875.00	0.0	0.0	233.10	16800.00	252.35	6610.12	252.46	790.34	0.0	0.0	4.25	16
299,200	28200.00	50.00	0.0	0.0	233.50	4400.00	246.16	1148.45	246.37	641.47	0.0	0.0	4.70	17
	28200.00	50.00	0.0	0.0	233.50	7800.00	248.83	2518.18	248.96	808.14	0.0	0.0	4.38	18
	28200.00	50.00	0.0	0.0	233.50	9800.00	249.09	2692.15	249.28	821.55	0.0	0.0	5.21	19
	28200.00	50.00	0.0	0.0	233.50	16800.00	252.36	5516.82	252.51	952.04	0.0	0.0	5.01	20
299,230	28230.00	30.00	243.50	242.50	233.50	4400.00	247.07	1530.59	247.19	707.23	0.0	0.0	3.71	21
	28230.00	30.00	243.50	242.50	233.50	7800.00	249.92	3300.17	250.00	854.62	0.0	0.0	3.52	22
	28230.00	30.00	243.50	242.50	233.50	9800.00	250.63	3882.73	250.73	883.05	0.0	0.0	3.87	23
	28230.00	30.00	243.50	242.50	233.50	16800.00	254.34	7753.84	254.42	1000.00	0.0	0.0	3.83	24
299,280	28280.00	50.00	0.0	0.0	233.50	4400.00	247.17	2193.92	247.22	655.36	0.0	0.0	2.62	25
	28280.00	50.00	0.0	0.0	233.50	7800.00	249.97	4083.33	250.02	734.30	0.0	0.0	2.85	26
	28280.00	50.00	0.0	0.0	233.50	9800.00	250.69	4672.25	250.76	754.67	0.0	0.0	3.23	27
	28280.00	50.00	0.0	0.0	233.50	16800.00	254.37	8378.72	254.44	800.00	0.0	0.0	3.55	28
307,550	36550.00	8270.00	0.0	0.0	235.80	4200.00	251.02	1787.30	251.09	762.09	0.0	0.0	2.89	29
	36550.00	8270.00	0.0	0.0	235.80	7300.00	253.35	3376.78	253.41	1040.91	0.0	0.0	3.00	30
	36550.00	8270.00	0.0	0.0	235.80	9200.00	254.39	4322.80	254.45	1108.57	0.0	0.0	3.09	31
	36550.00	8270.00	0.0	0.0	235.80	15900.00	257.59	8242.88	257.64	1340.33	0.0	0.0	3.19	32
307,600	36600.00	50.00	0.0	0.0	236.30	4200.00	250.87	1028.10	251.22	476.38	0.0	0.0	5.09	33
	36600.00	50.00	0.0	0.0	236.30	7300.00	253.26	2048.11	253.50	986.47	0.0	0.0	5.02	34
	36600.00	50.00	0.0	0.0	236.30	9200.00	254.32	2785.64	254.52	1076.97	0.0	0.0	4.88	35
	36600.00	50.00	0.0	0.0	236.30	15900.00	257.57	6115.00	257.69	1293.13	0.0	0.0	4.37	36
307,625	36625.00	25.00	248.80	252.10	236.30	4200.00	250.87	1028.12	251.22	476.42	0.0	0.0	5.09	37
	36625.00	25.00	248.80	252.10	236.30	7300.00	253.86	2440.17	254.02	1038.23	0.0	0.0	4.33	38
	36625.00	25.00	248.80	252.10	236.30	9200.00	255.12	3447.43	255.24	1139.24	0.0	0.0	4.08	39
	36625.00	25.00	248.80	252.10	236.30	15900.00	258.64	7571.45	258.72	1356.45	0.0	0.0	3.66	40

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	
J	36675.00	50.00	0.0	0.0	236.30	4200.00	251.21	1662.04	251.29	714.79	0.0	0.0	3.05
	36675.00	50.00	0.0	0.0	236.30	7300.00	254.01	3568.43	254.06	1051.20	0.0	0.0	2.86
	36675.00	50.00	0.0	0.0	236.30	9200.00	255.22	4737.91	255.27	1131.05	0.0	0.0	2.86
	36675.00	50.00	0.0	0.0	236.30	15900.00	258.70	9262.72	258.74	1383.23	0.0	0.0	2.90
317,550	46550.00	9875.00	0.0	0.0	240.90	3700.00	257.59	1439.82	257.71	623.00	0.0	0.0	3.02
K	46550.00	9875.00	0.0	0.0	240.90	6100.00	259.22	2237.75	259.34	785.89	0.0	0.0	3.51
	46550.00	9875.00	0.0	0.0	240.90	7800.00	260.14	2834.00	260.27	788.75	0.0	0.0	3.72
	46550.00	9875.00	0.0	0.0	240.90	13600.00	262.84	5024.09	262.98	797.05	0.0	0.0	4.13
317,600	46600.00	50.00	0.0	0.0	242.90	3700.00	257.58	910.31	257.78	199.60	0.0	0.0	3.83
	46600.00	50.00	0.0	0.0	242.90	6100.00	259.12	1274.26	259.47	215.99	0.0	0.0	5.09
	46600.00	50.00	0.0	0.0	242.90	7800.00	259.97	1503.46	260.44	224.67	0.0	0.0	5.85
	46600.00	50.00	0.0	0.0	242.90	13600.00	262.60	2553.88	263.18	765.02	0.0	0.0	7.00
317,625	46625.00	25.00	260.60	260.60	242.90	3700.00	257.58	911.32	257.79	199.60	0.0	0.0	3.82
	46625.00	25.00	260.60	260.60	242.90	6100.00	259.13	1276.80	259.48	216.09	0.0	0.0	5.08
	46625.00	25.00	260.60	260.60	242.90	7800.00	259.99	1507.32	260.45	224.81	0.0	0.0	5.84
	46625.00	25.00	260.60	260.60	242.90	13600.00	264.16	3571.39	264.46	831.77	0.0	0.0	5.40
317,675	46675.00	50.00	0.0	0.0	242.90	3700.00	257.61	859.40	257.90	230.78	0.0	0.0	4.42
L	46675.00	50.00	0.0	0.0	242.90	6100.00	259.23	1303.95	259.60	592.40	0.0	0.0	5.37
	46675.00	50.00	0.0	0.0	242.90	7800.00	260.22	1712.63	260.58	707.37	0.0	0.0	5.55
	46675.00	50.00	0.0	0.0	242.90	13600.00	264.37	4597.15	264.53	795.60	0.0	0.0	4.43
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
1950.000	5600.000	215.354	0.0	0.0	0.0	530.843	0.0	1950.000					
1950.000	10000.000	217.897	2.543	0.0	0.0	582.111	-51.268	1950.000					
1950.000	12800.000	219.181	1.285	0.0	0.0	608.009	-77.166	1950.000					
1950.000	21000.000	222.269	3.088	0.0	0.0	796.847	-266.005	1950.000					
2000.000	5600.000	215.067	0.0	-0.287	0.0	136.560	0.0	50.000					
2000.000	10000.000	217.250	2.184	-0.646	0.0	140.000	-3.440	50.000					
2000.000	12800.000	218.283	1.033	-0.898	0.0	140.000	-3.440	50.000					
2000.000	21000.000	221.510	3.227	-0.759	0.0	853.850	-717.291	50.000					
2040.000	5600.000	215.090	0.0	0.023	0.0	136.633	0.0	40.000					
2040.000	10000.000	217.310	2.220	0.060	0.0	140.000	-3.367	40.000					
2040.000	12800.000	218.376	1.066	0.093	0.0	169.759	-33.126	40.000					
2040.000	21000.000	224.814	6.438	3.304	0.0	1192.631	-1055.998	40.000					
2090.000	5600.000	215.736	0.0	0.646	0.0	518.454	0.0	50.000					
2090.000	10000.000	218.553	2.817	1.243	0.0	575.283	-56.829	50.000					
2090.000	12800.000	220.018	1.465	1.643	0.0	604.852	-86.397	50.000					
2090.000	21000.000	225.106	5.087	0.291	0.0	848.453	-329.999	50.000					
9350.000	4600.000	218.676	0.0	2.940	0.0	1070.859	0.0	7260.000					
9350.000	8400.000	221.295	2.620	2.742	0.0	1166.555	-95.696	7260.000					
9350.000	10500.000	222.650	1.355	2.632	0.0	1214.329	-143.471	7260.000					
9350.000	17800.000	226.976	4.326	1.871	0.0	1445.478	-374.619	7260.000					
9400.000	4600.000	217.364	0.0	-1.312	0.0	68.915	0.0	50.000					
9400.000	8400.000	220.329	2.965	-0.967	0.0	86.604	-17.689	50.000					
9400.000	10500.000	221.527	1.198	-1.123	0.0	90.332	-21.416	50.000					
9400.000	17800.000	224.981	3.454	-1.995	0.0	95.552	-26.636	50.000					
9410.000	4600.000	217.364	0.0	0.000	0.0	68.917	0.0	10.000					

	9410.000	8400.000	220.329	2.965	0.000	0.0	86.605	-17.688	10.000	
	9410.000	10500.000	221.527	1.198	0.000	0.0	90.332	-21.415	10.000	
	9410.000	17800.000	224.981	3.454	0.000	0.0	95.552	-26.635	10.000	
	9450.000	4600.000	220.448	0.0	3.084	0.0	1136.505	0.0	50.000	
	9450.000	8400.000	224.274	3.826	3.945	0.0	1308.285	-171.781	50.000	
1	9450.000	10500.000	225.990	1.716	4.463	0.0	1406.960	-270.455	50.000	1
2	9450.000	17800.000	231.058	5.068	6.077	0.0	1543.735	-407.230	50.000	2
3										3
4	10750.000	4600.000	222.321	0.0	1.874	0.0	211.872	0.0	1290.000	4
5	10750.000	8400.000	223.726	1.404	-0.548	0.0	229.785	-17.913	1290.000	5
6	10750.000	10500.000	225.153	1.427	-0.837	0.0	248.000	-36.128	1290.000	6
7	10750.000	17800.000	230.671	5.518	-0.387	0.0	311.852	-99.979	1290.000	7
8										8
9	10800.000	4600.000	223.725	0.0	1.404	0.0	112.997	0.0	50.000	9
10	10800.000	8400.000	225.410	1.684	1.684	0.0	117.355	-4.358	50.000	10
11	10800.000	10500.000	226.138	0.728	0.985	0.0	119.244	-6.247	50.000	11
12	10800.000	17800.000	230.439	4.301	-0.232	0.0	130.000	-17.003	50.000	12
13										13
14	10825.000	4600.000	223.731	0.0	0.006	0.0	113.012	0.0	25.000	14
15	10825.000	8400.000	225.431	1.699	0.021	0.0	117.407	-4.395	25.000	15
16	10825.000	10500.000	226.249	0.818	0.111	0.0	119.545	-6.533	25.000	16
17	10825.000	17800.000	232.241	5.992	1.802	0.0	254.735	-141.723	25.000	17
18										18
19	10875.000	4600.000	223.744	0.0	0.013	0.0	230.022	0.0	50.000	19
20	10875.000	8400.000	225.626	1.882	0.196	0.0	254.030	-24.008	50.000	20
21	10875.000	10500.000	226.663	1.037	0.414	0.0	261.909	-31.887	50.000	21
22	10875.000	17800.000	233.120	6.457	0.880	0.0	390.270	-160.248	50.000	22
23										23
24	21750.000	4400.000	232.309	0.0	8.564	0.0	803.077	0.0	10875.000	24
25	21750.000	7800.000	234.884	2.575	9.257	0.0	969.877	-166.800	10875.000	25
26	21750.000	9800.000	236.024	1.141	9.361	0.0	1041.493	-238.416	10875.000	26
27	21750.000	16800.000	239.666	3.641	6.545	0.0	1150.000	-346.923	10875.000	27
28										28
29	21800.000	4400.000	232.217	0.0	-0.092	0.0	172.000	0.0	50.000	29
30	21800.000	7800.000	234.740	2.524	-0.143	0.0	682.047	-510.047	50.000	30
31	21800.000	9800.000	235.891	1.151	-0.133	0.0	814.114	-642.114	50.000	31
32	21800.000	16800.000	239.597	3.706	-0.068	0.0	1103.693	-931.693	50.000	32
33										33
34	21825.000	4400.000	232.322	0.0	0.106	0.0	172.000	0.0	25.000	34
35	21825.000	7800.000	234.918	2.595	0.177	0.0	708.652	-536.652	25.000	35
36	21825.000	9800.000	236.072	1.154	0.180	0.0	833.676	-661.676	25.000	36
37	21825.000	16800.000	239.844	3.772	0.246	0.0	1117.196	-945.196	25.000	37
38										38
39	21875.000	4400.000	232.514	0.0	0.192	0.0	654.251	0.0	50.000	39
40	21875.000	7800.000	235.183	2.669	0.265	0.0	862.041	-207.790	50.000	40
41	21875.000	9800.000	236.319	1.136	0.247	0.0	934.481	-280.231	50.000	41
42	21875.000	16800.000	239.979	3.660	0.136	0.0	1123.159	-468.909	50.000	42
43										43
44										44
45	22000.000	4400.000	232.613	0.0	0.099	0.0	354.595	0.0	125.000	45
46	22000.000	7800.000	235.241	2.628	0.059	0.0	382.526	-27.952	125.000	46
47	22000.000	9800.000	236.363	1.122	0.044	0.0	394.447	-39.852	125.000	47
48	22000.000	16800.000	239.970	3.607	-0.009	0.0	461.872	-107.277	125.000	48
49										49
50	22050.000	4400.000	239.142	0.0	6.529	0.0	442.594	0.0	50.000	50
51	22050.000	7800.000	240.321	1.179	5.080	0.0	470.116	-27.522	50.000	51
52	22050.000	9800.000	240.898	0.577	4.535	0.0	483.665	-41.071	50.000	52
53	22050.000	16800.000	242.739	1.841	2.769	0.0	519.369	-76.775	50.000	53
54										54
55	22100.000	4400.000	239.147	0.0	0.005	0.0	442.534	0.0	50.000	55
56	22100.000	7800.000	240.333	1.186	0.012	0.0	470.389	-27.855	50.000	56
57	22100.000	9800.000	240.914	0.581	0.016	0.0	484.040	-41.505	50.000	57
58	22100.000	16800.000	242.770	1.856	0.031	0.0	520.001	-77.467	50.000	58
59										59
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	24150.000	4400.000	240.274	0.0	1.127	0.0	416.655	0.0	2050.000	
	24150.000	7800.000	241.406	1.132	1.073	0.0	498.576	-81.921	2050.000	

	24150.000	9800.000	242.195	0.789	1.281	0.0	532,069	-115.414	2050,000	
	24150.000	16800.000	245.221	3.026	2.451	0.0	716,882	-300.227	2050,000	
	24200.000	4400.000	240.965	0.0	0.691	0.0	120,826	0.0	50,000	
	24200.000	7800.000	241.418	0.453	0.012	0.0	122,000	-1.174	50,000	
	24200.000	9800.000	241.791	0.372	-0.404	0.0	122,000	-1.174	50,000	
1	24200.000	16800.000	245.685	3.895	0.465	0.0	736,154	-615.328	50,000	1
2										2
3	24225.000	4400.000	241.013	0.0	0.047	0.0	121,063	0.0	25,000	3
4	24225.000	7800.000	247.053	6.040	5.635	0.0	861,571	-740.508	25,000	4
5	24225.000	9800.000	241.987	-5.066	0.196	0.0	122,000	-0.937	25,000	5
6	24225.000	16800.000	249.746	7.759	4.060	0.0	1037,285	-916.223	25,000	6
7										7
8	24275.000	4400.000	241.866	0.0	0.854	0.0	611,413	0.0	50,000	8
9	24275.000	7800.000	247.233	5.366	0.180	0.0	868,213	-256.800	50,000	9
10	24275.000	9800.000	245.308	-1.924	3.322	0.0	790,633	-179.219	50,000	10
11	24275.000	16800.000	249.955	4.646	0.209	0.0	950,139	-338.726	50,000	11
12										12
13	28150.000	4400.000	246.221	0.0	4.355	0.0	639,713	0.0	3875,000	13
14	28150.000	7800.000	248.843	2.621	1.610	0.0	713,640	-73.927	3875,000	14
15	28150.000	9800.000	249.106	0.263	3.797	0.0	721,398	-81.685	3875,000	15
16	28150.000	16800.000	252.350	3.244	2.395	0.0	790,339	-150.626	3875,000	16
17										17
18	28200.000	4400.000	246.158	0.0	-0.063	0.0	641,471	0.0	50,000	18
19	28200.000	7800.000	248.827	2.669	-0.016	0.0	808,144	-166.673	50,000	19
20	28200.000	9800.000	249.087	0.260	-0.019	0.0	821,553	-180.082	50,000	20
21	28200.000	16800.000	252.362	3.275	0.012	0.0	952,044	-310.573	50,000	21
22										22
23	28230.000	4400.000	247.071	0.0	0.912	0.0	707,229	0.0	30,000	23
24	28230.000	7800.000	249.916	2.846	1.089	0.0	854,621	-147.392	30,000	24
25	28230.000	9800.000	250.633	0.716	1.546	0.0	883,048	-175.818	30,000	25
26	28230.000	16800.000	254.337	3.704	1.976	0.0	1000,000	-292.771	30,000	26
27										27
28	28280.000	4400.000	247.174	0.0	0.104	0.0	655,365	0.0	50,000	28
29	28280.000	7800.000	249.971	2.796	0.054	0.0	734,300	-78.935	50,000	29
30	28280.000	9800.000	250.691	0.720	0.058	0.0	754,667	-99.302	50,000	30
31	28280.000	16800.000	254.366	3.675	0.028	0.0	800,000	-144.635	50,000	31
32										32
33	36550.000	4200.000	251.018	0.0	3.843	0.0	762,087	0.0	8270,000	33
34	36550.000	7300.000	253.352	2.334	3.381	0.0	1040,910	-278.823	8270,000	34
35	36550.000	9200.000	254.385	1.033	3.694	0.0	1108,574	-346.487	8270,000	35
36	36550.000	15900.000	257.586	3.201	3.221	0.0	1340,331	-578.244	8270,000	36
37										37
38	36600.000	4200.000	250.869	0.0	-0.149	0.0	476,380	0.0	50,000	38
39	36600.000	7300.000	253.263	2.395	-0.088	0.0	986,474	-310.094	50,000	39
40	36600.000	9200.000	254.325	1.061	-0.050	0.0	1076,968	-600.588	50,000	40
41	36600.000	15900.000	257.569	3.245	-0.017	0.0	1293,129	-816.749	50,000	41
42										42
43	36625.000	4200.000	250.869	0.0	0.0	0.0	476,419	0.0	25,000	43
44	36625.000	7300.000	253.858	2.989	0.594	0.0	1038,227	-361.807	25,000	44
45	36625.000	9200.000	255.116	1.258	0.791	0.0	1139,240	-652.821	25,000	45
46	36625.000	15900.000	258.645	3.529	1.075	0.0	1356,449	-880.030	25,000	46
47										47
48	36675.000	4200.000	251.211	0.0	0.342	0.0	714,793	0.0	50,000	48
49	36675.000	7300.000	254.007	2.796	0.149	0.0	1051,203	-336.409	50,000	49
50	36675.000	9200.000	255.221	1.214	0.105	0.0	1131,034	-416.240	50,000	50
51	36675.000	15900.000	258.696	3.475	0.0	0.0	1383,227	-668.434	50,000	51
52										52
53	46550.000	3700.000	257.594	0.0	6.383	0.0	623,002	0.0	9875,000	53
54	46550.000	6100.000	259.215	1.622	5.209	0.0	785,885	-162.883	9875,000	54
55	46550.000	7800.000	260.143	0.928	4.922	0.0	788,746	-165.745	9875,000	55
56	46550.000	13600.000	262.842	2.699	4.146	0.0	797,051	-174.049	9875,000	56
57										57
	46600.000	3700.000	257.577	0.0	-0.017	0.0	199,602	0.0	50,000	
	46600.000	6100.000	259.116	1.539	-0.100	0.0	215,994	-16.392	50,000	
	46600.000	7800.000	259.975	0.859	-0.168	0.0	224,672	-25.070	50,000	

46600.000 13600.000 262.598 2.624 -0.244 0.0 765.022 -565.420 50.000

46625.000	3700.000	257.582	0.0	0.005	0.0	199.682	0.0	25.000
46625.000	6100.000	259.126	1.544	0.010	0.0	216.094	-16.413	25.000
46625.000	7800.000	259.989	0.863	0.014	0.0	224.812	-25.131	25.000
46625.000	13600.000	264.156	4.168	1.558	0.0	831.770	-632.088	25.000

1	46675.000	3700.000	257.614	0.0	0.032	0.0	230.782	0.0	50.000
2	46675.000	6100.000	259.227	1.613	0.101	0.0	592.402	-361.620	50.000
3	46675.000	7800.000	260.223	0.997	0.234	0.0	707.371	-476.589	50.000
4	46675.000	13600.000	264.371	4.148	0.215	0.0	795.604	-564.823	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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1	0.0	0.0	654.945	0.0
2	0.0	0.0	806.741	151.797
3	0.0	0.0	840.924	185.979
4	0.0	0.0	991.341	336.396

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIBUTARY 1 BASIN 10  
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.001000	0.0	0.0	0.	209.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J5	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	5600.000	10000.000	12800.000	21000.000	12800.000	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	1950.000	16.000	1638.000	1680.000	1950.000	1950.000	1950.000	0.0	-1.000	0.0
GR	227.800	1140.000	213.800	1200.000	212.200	1300.000	211.600	1400.000	210.000	1500.000
GR	210.200	1600.000	209.600	1638.000	205.900	1645.000	201.900	1660.000	205.500	1675.000
GR	210.000	1680.000	214.900	1690.000	215.100	1700.000	221.400	1800.000	222.200	1900.000
GR	224.100	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	2000.000	23.000	1592.000	1645.000	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	0.0	0.0	0.0
GR	225.600	750.000	223.300	800.000	220.000	900.000	218.300	1000.000	218.600	1100.000
GR	219.000	1200.000	219.300	1300.000	220.300	1400.000	220.700	1500.000	220.800	1515.000
GR	216.100	1515.000	210.100	1535.000	208.200	1592.000	203.100	1600.000	201.400	1620.000
GR	204.000	1638.000	209.400	1645.000	213.500	1655.000	220.800	1655.000	221.400	1700.000
GR	222.800	1800.000	224.100	1900.000	225.300	2000.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	3.000	0.0	150.000	4.000	1555.200	0.0	0.0	0.0
X1	2040.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1500.000	220.700	0.0	1515.000	223.700	218.900	1535.000	223.700	218.900
BT	1592.000	223.700	218.900	1600.000	223.700	218.900	1620.000	223.700	218.900	1638.000
BT	223.700	218.900	1645.000	223.700	218.900	1655.000	223.700	218.900	1700.000	221.400
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1417.000	1777.000	0.0	0.0
X1	2090.000	16.000	1638.000	1680.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	227.800	1140.000	213.800	1200.000	212.200	1300.000	211.600	1400.000	210.000	1500.000
GR	210.200	1600.000	209.600	1638.000	205.900	1645.000	201.900	1660.000	205.500	1675.000
GR	210.000	1680.000	214.900	1690.000	215.100	1700.000	221.400	1800.000	222.200	1900.000
GR	224.100	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	4600.000	8400.000	10500.000	17800.000	10500.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	400.000	1500.000	0.0	0.0
X1	9350.000	23.000	805.000	843.000	7260.000	7260.000	7260.000	0.0	0.0	0.0
GR	236.900	0.0	228.700	100.000	224.900	200.000	223.600	300.000	219.200	400.000





GR	241,000	0.0	237,300	100,000	234,900	200,000	233,500	300,000	233,100	390,000	
GR	229,900	390,000	229,900	396,000	226,900	400,000	223,700	431,000	219,500	438,000	
GR	219,100	448,000	220,100	471,000	222,900	478,000	224,500	540,000	229,800	560,000	
GR	229,800	562,000	233,100	562,000	233,200	600,000	233,500	700,000	233,900	800,000	
GR	234,800	900,000	236,300	1000,000	238,100	1100,000	239,900	1150,000	0.0	0.0	
SB	0.900	1,500	2,600	0.0	172,000	9,000	1206,100	0.0	0.0	0.0	
1										1	
2	X1	21825,000	0.0	0.0	0.0	25,000	25,000	25,000	0.0	0.0	0.0
3	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BT	10,000	0.0	240,900	0.0	100,000	235,700	0.0	200,000	232,600	0.0
6	BT	300,000	231,400	0.0	390,000	235,200	230,800	448,000	235,200	230,800	478,000
7	ET	235,200	230,800	562,000	235,200	230,800	600,000	233,200	0.0	700,000	233,500
8	BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	ET	5,000	0.0	0.0	0.0	0.0	7,100	88,000	1022,000	0.0	0.0
10											
11	X1	<del>21075,000</del> 212875	18,000	425,000	443,000	50,000	50,000	50,000	0.0	0.0	0.0
12	GR	240,900	0.0	235,700	100,000	232,600	200,000	231,400	300,000	225,600	400,000
13	GR	223,500	425,000	222,200	428,000	220,100	434,000	222,200	440,000	224,000	443,000
14	GR	224,800	500,000	226,800	600,000	229,700	700,000	231,900	800,000	232,900	900,000
15	GR	235,800	1000,000	238,100	1100,000	240,400	1150,000	0.0	0.0	0.0	0.0
16	ET	5,000	0.0	0.0	0.0	0.0	7,100	293,000	686,000	0.0	0.0
17											
18	X1	22000,000	14,000	428,000	440,000	125,000	125,000	125,000	0.0	0.0	0.0
19	GR	249,300	220,000	241,600	250,000	237,800	290,000	231,400	300,000	225,600	400,000
20	GR	223,500	425,000	222,200	428,000	220,100	434,000	222,200	440,000	224,000	443,000
21	GR	224,800	500,000	226,800	600,000	237,500	697,000	249,300	850,000	0.0	0.0
22	SB	0.900	1,500	2,500	0.0	1,000	0,500	0,250	0.0	0.0	0.0
23	ET	5,000	0.0	0.0	0.0	0.0	-10,400	0.0	0.0	0.0	0.0
24											
25	X1	22050,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.0	0.0
26	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	BT	14,000	220,000	249,300	0.0	250,000	241,600	0.0	290,000	237,800	0.0
28	BT	320,000	236,900	0.0	370,000	236,300	0.0	370,100	235,600	0.0	433,500
29	BT	235,600	220,600	434,500	235,600	220,600	500,000	235,600	0.0	500,100	236,700
30	BT	0.0	550,000	236,800	0.0	650,000	237,400	0.0	697,000	237,500	0.0
31	BT	850,000	249,300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32											
33	X1	22100,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.0	0.0
34											
35	X1	<del>24150,000</del> 295150	17,000	1561,000	1615,000	2050,000	2050,000	2050,000	0.0	0.0	0.0
36	GR	255,400	865,000	251,900	900,000	246,700	1000,000	243,700	1100,000	246,600	1200,000
37	GR	240,400	1300,000	239,900	1400,000	238,700	1500,000	237,300	1561,000	236,000	1565,000
38	GR	232,000	1587,000	236,000	1610,000	237,300	1615,000	239,100	1700,000	241,900	1800,000
39	GR	251,100	1900,000	252,500	1965,000	0.0	0.0	0.0	0.0	0.0	0.0
40	ET	5,000	0.0	0.0	0.0	0.0	7,100	1510,000	1632,000	0.0	0.0
41											
42	X1	24200,000	21,000	1536,000	1609,000	50,000	50,000	50,000	0.0	0.0	0.0
43	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	GR	254,800	800,000	250,000	900,000	247,200	1000,000	245,200	1100,000	243,800	1200,000
45	GR	242,700	1300,000	242,600	1400,000	243,700	1500,000	243,900	1510,000	239,600	1510,000
46	GR	236,700	1536,000	234,300	1540,000	232,200	1572,000	234,500	1602,000	236,600	1609,000
47	GR	241,200	1632,000	243,900	1632,000	243,800	1700,000	245,400	1800,000	247,800	1900,000
48	GR	252,000	2000,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	SB	0.900	1,500	2,600	0.0	122,000	3,000	925,700	0.0	0.0	0.0
50	ET	5,000	0.0	0.0	0.0	0.0	7,100	1510,000	1632,000	0.0	0.0
51											
52	X1	24225,000	0.0	0.0	0.0	25,000	25,000	25,000	0.0	0.0	0.0
53	X2	0.0	0.0	1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	BT	5,000	1500,000	243,700	0.0	1510,000	246,500	242,300	1602,000	246,500	242,300
56	BT	1632,000	246,500	242,300	1700,000	243,800	0.0	0.0	0.0	0.0	0.0
57	ET	5,000	0.0	0.0	0.0	0.0	7,100	1047,000	1837,000	0.0	0.0
	X1	<del>24275,000</del> 245275	17,000	1561,000	1615,000	50,000	50,000	50,000	0.0	0.0	0.0
	GR	255,400	865,000	251,900	900,000	246,700	1000,000	243,700	1100,000	241,600	1200,000

	GR	240.400	1300.000	239.900	1400.000	238.700	1500.000	237.700	1561.000	235.200	1565.000	
	GR	231.600	1587.000	235.200	1610.000	237.700	1615.000	239.100	1700.000	241.900	1800.000	
	GR	251.100	1900.000	252.500	1965.000	0.0	0.0	0.0	0.0	0.0	0.0	
231.6	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	
	X1	28150.000	14.000	1612.000	1660.000	3875.000	3875.000	3875.000	0.0	-0.400	0.0	
1	GR	251.400	1200.000	245.500	1300.000	244.000	1400.000	242.300	1500.000	237.800	1612.000	1
2	GR	235.200	1616.000	233.500	1638.000	235.800	1657.000	236.200	1658.000	237.000	1660.000	2
3	GR	241.100	1700.000	242.800	1800.000	244.800	1900.000	253.600	2000.000	0.0	0.0	3
4												4
5	X1	28200.000	20.000	1611.000	1660.000	50.000	50.000	50.000	0.0	0.0	0.0	5
6	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	GR	253.300	1000.000	249.100	1100.000	246.300	1200.000	244.700	1300.000	243.800	1400.000	7
8	GR	243.500	1500.000	244.100	1589.000	242.500	1589.000	237.200	1600.000	237.700	1611.000	8
9	GR	235.700	1616.000	233.500	1638.000	235.800	1657.000	237.000	1660.000	239.000	1679.000	9
10	GR	244.100	1679.000	244.000	1700.000	244.600	1800.000	247.700	1900.000	254.000	2000.000	10
11	SB	0.900	1.500	2.600	0.0	90.000	2.000	540.500	0.0	0.0	0.0	11
12												12
13	X1	28230.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0	13
14	X2	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	BT	5.000	1500.000	243.500	0.0	1589.000	246.800	242.500	1638.000	246.800	242.500	16
17	BT	1679.000	246.800	242.500	1700.000	244.000	0.0	0.0	0.0	0.0	0.0	17
18												18
19	X1	28280.000	14.000	1612.000	1660.000	50.000	50.000	50.000	0.0	0.0	0.0	19
20	GR	251.400	1200.000	245.500	1300.000	244.000	1400.000	242.300	1500.000	237.800	1612.000	20
21	GR	235.200	1616.000	233.500	1638.000	235.800	1657.000	236.200	1658.000	237.000	1660.000	21
22	GR	241.100	1700.000	242.800	1800.000	244.600	1900.000	253.600	2000.000	0.0	0.0	22
23	QT	5.000	4200.000	7300.000	9200.000	15900.000	9200.000	0.0	0.0	0.0	0.0	23
24												24
25	X1	28550.000	23.000	1378.000	1438.000	8270.000	8270.000	8270.000	0.0	-0.500	0.0	25
26	GR	259.300	600.000	255.700	700.000	252.800	800.000	250.900	900.000	250.900	1000.000	26
27	GR	248.700	1100.000	247.600	1200.000	248.200	1300.000	244.000	1378.000	241.300	1382.000	27
28	GR	240.700	1385.000	241.900	1397.000	238.300	1406.000	236.300	1412.000	239.700	1432.000	28
29	GR	242.600	1435.000	244.000	1438.000	245.700	1500.000	251.300	1600.000	252.000	1700.000	29
30	GR	253.700	1800.000	256.900	1900.000	258.500	2000.000	0.0	0.0	0.0	0.0	30
31												31
32	X1	36600.000	24.000	1378.000	1438.000	50.000	50.000	50.000	0.0	0.0	0.0	32
33	X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
34	GR	259.300	605.000	255.200	700.000	252.500	800.000	251.300	900.000	250.600	1000.000	34
35	GR	249.800	1100.000	248.800	1200.000	249.800	1300.000	252.100	1365.000	245.700	1365.000	35
36	GR	244.000	1378.000	241.300	1382.000	240.700	1385.000	236.300	1410.000	239.700	1432.000	36
37	GR	244.000	1438.000	245.100	1447.000	252.100	1447.000	250.800	1500.000	251.100	1600.000	37
38	GR	252.100	1700.000	254.100	1800.000	256.500	1900.000	259.300	2000.000	0.0	0.0	38
39	SB	0.900	1.500	2.600	0.0	82.000	2.000	830.200	0.0	0.0	0.0	39
40												40
41	X1	36625.000	0.0	0.0	0.0	25.000	25.000	25.000	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	8.000	1200.000	248.800	0.0	1300.000	249.800	0.0	1365.000	255.100	252.100	44
45	BT	1365.100	255.100	250.700	1385.000	255.100	250.700	1447.000	255.100	250.700	1447.100	45
46	BT	255.100	252.100	1500.000	250.800	0.0	0.0	0.0	0.0	0.0	0.0	46
47												47
48	X1	36675.000	23.000	1378.000	1438.000	50.000	50.000	50.000	0.0	0.0	0.0	48
49	GR	259.300	600.000	255.700	700.000	252.800	800.000	250.900	900.000	250.100	1000.000	49
50	GR	248.700	1100.000	247.600	1200.000	248.200	1300.000	244.000	1378.000	241.300	1382.000	50
51	GR	240.700	1385.000	241.900	1397.000	238.300	1406.000	236.300	1412.000	239.700	1432.000	51
52	GR	242.600	1435.000	244.000	1438.000	245.700	1500.000	251.300	1600.000	252.000	1700.000	52
53	GR	253.700	1800.000	256.900	1900.000	258.500	2000.000	0.0	0.0	0.0	0.0	53
54	QT	5.000	3700.000	6100.000	7800.000	13600.000	7800.000	0.0	0.0	0.0	0.0	54
55												55
56	X1	36550.000	20.000	1026.000	1114.000	9875.000	9875.000	9875.000	0.0	-2.000	0.0	56
57	GR	255.900	600.000	259.800	700.000	260.700	800.000	258.600	900.000	256.200	1002.000	57
58	GR	252.200	1026.000	250.200	1030.000	242.900	1050.000	250.600	1070.000	252.200	1075.000	58
59	GR	252.200	1080.000	250.700	1084.000	247.800	1100.000	251.100	1109.000	252.600	1114.000	59
60	GR	257.700	1129.000	257.700	1300.000	259.300	1380.000	265.800	1400.000	269.600	1500.000	60



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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 TRIBUTARY 1 BASIN 10  
 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.	220.180	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300  
 2800 NAT Q1= 4034.42 WSEL= 219.18 ENC Q1= 4034.42 WSEL= 220.18 RATIO= 0.0

NAT Q1=	4780.	RATIOS	LOB,CH,ROB=	0.7424	0.2149	0.0427	WSEL=	220.18		
SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCKOACHMENT STATIONS=	1310.7	1760.1	TYPE=	4	TARGET=	0.156			
<del>72,950-1950.00</del>	19.28	220.18	0.0	219.18	220.34	0.16	0.0	0.0	208.60
12800.	8921.	3218.	660.	3406.	683.	401.	0.	0.	209.00
0.0	2.62	4.71	1.65	0.085	0.060	0.085	0.0	200.90	1310.69
0.000982	1950.	1950.	1950.	0	0	1	0.0	449.42	1760.11

2800 NAT Q1= 1597.47 WSEL= 218.28 ENC Q1= 1597.47 WSEL= 219.28 RATIO= 0.0  
 NAT Q1= 1845. RATIOS LOB,CH,ROB= 0.3029 0.6762 0.0209 WSEL= 219.28

3301 HV CHANGED MORE THAN HVINS

3470 ENCKOACHMENT STATIONS=	1552.5	1650.9	TYPE=	4	TARGET=	0.134			
<del>73,000-2000.00</del>	17.71	219.11	0.0	218.28	220.95	1.84	0.10	0.50	208.20
12800.	2682.	9841.	277.	405.	827.	50.	3.	0.	209.40
0.00	6.63	11.90	5.56	0.085	0.060	0.085	0.059	201.40	1552.52
0.006461	50.	50.	50.	2	0	1	0.0	98.34	1650.86

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	3.00	0.0	150.00	4.00	1555.20	0.0	201.40	201.40

6110 EGLWC OF 220.68 LESS THAN XEG OF 220.95

Note:  
 DISTANCES HAVE BEEN CHANGED TO SHOW  
 DISTANCE FROM NEUSE RIVER CONFLUENCE,  
 INSTEAD OF COUNTY LINE.

8/27/76 SAC

SUMMARY PRINTOUT FOR MULTIPLE PROFILES												
100 YEAR FLOODWAY												
SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCE	STENCR	VCH
272,950	1950.00	1950.00	0.0	0.0	12800.00	219.18	4034.42	219.32	608.01	355' 0.0	100' 0.0	4.58
1980.00	1950.00	0.0	0.0	200.90	12800.00	220.18	4084.41	220.34	449.42	1310.69	1760.11	4.71
2000.00	50.00	0.0	0.0	201.40	12800.00	218.28	1597.47	219.85	140.00	0.0	0.0	11.44
2000.00	50.00	0.0	0.0	201.40	12800.00	219.11	1592.42	220.95	98.34	1552.52	1650.86	11.90
2040.00	40.00	0.0	0.0	201.40	12800.00	218.38	1617.85	219.92	169.76	0.0	0.0	11.34
2040.00	40.00	0.0	0.0	201.40	12800.00	219.20	1612.47	221.01	98.66	1552.18	1650.85	11.80
2090.00	50.00	0.0	0.0	201.90	12800.00	220.02	3923.27	220.16	604.85	243' 0.0	117' 0.0	4.67
2090.00	50.00	0.0	0.0	201.90	12800.00	221.02	3231.18	221.30	360.00	1417.00	1777.00	5.92
2095.00	7260.00	0.0	0.0	206.50	10500.00	222.65	8660.37	222.67	1214.33	434' 0.0	675' 0.0	1.62
9580.00	7260.00	0.0	0.0	206.50	10500.00	223.57	9995.48	223.58	1100.00	400.00	1500.00	1.47
9480.00	50.00	0.0	0.0	208.40	10500.00	221.53	666.27	225.58	90.33	0.0	0.0	16.58
9480.00	50.00	0.0	0.0	208.40	10500.00	221.47	616.57	226.34	62.00	108.00	170.00	17.71
9410.00	10.00	242.10	232.40	208.40	10500.00	221.53	666.30	225.58	90.33	0.0	0.0	16.58
9410.00	10.00	242.10	232.40	208.40	10500.00	222.53	798.30	226.34	91.04	0.0	0.0	14.78
9450.00	50.00	0.0	0.0	206.50	10500.00	225.99	14397.43	226.00	1406.96	0.0	0.0	1.13
9450.00	50.00	0.0	0.0	206.50	10500.00	226.66	13929.59	226.67	940.13	441.49	1381.62	1.20
10750.00	1290.00	0.0	0.0	217.30	10500.00	225.28	771.98	226.66	249.57	123' 0.0	1740' 0.0	12.78
10750.00	1290.00	0.0	0.0	217.30	10500.00	226.26	1011.27	227.20	249.00	1617.00	1866.00	10.55
10800.00	50.00	0.0	0.0	208.30	10500.00	226.08	1667.94	227.07	119.08	0.0	0.0	8.11
10800.00	50.00	0.0	0.0	208.30	10500.00	226.52	1609.64	227.55	94.00	1674.00	1768.00	8.14
10825.00	25.00	231.50	226.50	208.30	10500.00	226.18	1690.40	227.15	119.36	0.0	0.0	8.04
10825.00	25.00	231.50	226.50	208.30	10500.00	227.18	1903.45	228.01	121.92	0.0	0.0	7.44
10875.00	50.00	0.0	0.0	211.80	10500.00	226.59	1524.26	227.38	261.48	0.0	0.0	8.30
10875.00	50.00	0.0	0.0	211.80	10500.00	227.34	1595.45	228.19	175.00	1650.00	1825.00	8.29
21750.00	10875.00	0.0	0.0	218.10	9800.00	236.02	5694.38	236.06	1041.49	0.0	0.0	2.60
21750.00	10875.00	0.0	0.0	218.10	9800.00	236.88	5601.94	236.92	566.53	219.69	785.22	2.73
21800.00	50.00	0.0	0.0	219.10	9800.00	235.89	2612.08	236.15	814.20	0.0	0.0	5.71
21800.00	50.00	0.0	0.0	219.10	9800.00	236.69	2549.22	237.05	203.83	357.06	560.90	6.04
21825.00	25.00	0.0	0.0	219.10	9800.00	236.07	2715.92	236.31	833.76	0.0	0.0	5.53
21825.00	25.00	0.0	0.0	219.10	9800.00	236.87	2647.29	237.20	229.72	348.93	578.66	5.86
21875.00	50.00	0.0	0.0	220.10	9800.00	236.32	4031.50	236.37	934.52	240' 0.0	0.0	3.41
21875.00	50.00	0.0	0.0	220.10	9800.00	237.22	4865.91	237.26	934.00	88.00	1022.00	2.94
22000.00	125.00	0.0	0.0	220.10	9800.00	236.36	2873.63	236.50	394.45	346' 0.0	588' 0.0	4.99
22000.00	125.00	0.0	0.0	220.10	9800.00	237.24	3322.85	237.35	393.00	293.00	686.00	4.48
22050.00	50.00	0.0	0.0	220.10	9800.00	240.90	5519.48	240.95	483.67	141' 0.0	252' 0.0	3.09

TOWN

COUNTY

NO ENCROACH  
 9/1/76 et

22050.00 50.00 0.0 0.0 220.10 9800.00 241.78 5686.04 241.84 327.94 313.10 641.05 3.09

NEBULON

SECTION NUMBER	CHANNEL LENGTH	MIN ROADWAY	OF BY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	SITENCL	STENCR	VCH				
22100.00	50.00			0.0	0.0	220.10	9800.00	240.91	5530.43	240.97	484.04	0.0	0.0	3.09			
22100.00	50.00			0.0	0.0	220.10	9800.00	241.79	5696.57	241.85	328.12	313.06	641.18	3.09			
24150.00	2400.00		C	0.0	0.0	232.00	9800.00	242.19	872.32	243.16	532.07	0.0	1587	0.0	10.75		
24180.00	2050.00			0.0	0.0	232.00	9800.00	242.53	752.14	244.24	211.94	1463.16	1675.11	12.84			
24200.00	50.00			0.0	0.0	232.20	9800.00	241.79	651.25	244.99	122.00	0.0	0.0	14.95			
24200.00	50.00			0.0	0.0	232.20	9800.00	242.88	824.70	245.19	122.00	1510.00	1632.00	12.84			
24225.00	25.00	243.70		242.30	232.20	9800.00	241.99	682.15	244.99	122.00	0.0	0.0	0.0	14.51			
24225.00	25.00	243.70		242.30	232.20	9800.00	243.48	926.17	245.45	122.00	1510.00	1632.00	0.0	11.91			
24375.00	50.00		D	0.0	0.0	231.60	9800.00	245.31	2573.75	245.45	790.63	546	0.0	1587	0.0	250	4.67
24275.00	50.00			0.0	0.0	231.60	9800.00	245.65	2817.80	245.78	790.00	1047.00	1837.00	4.35			
28150.00	3875.00			0.0	0.0	233.10	9800.00	249.11	3731.73	249.20	721.40	0.0	1234	0.0	3.84		
28180.00	3875.00			0.0	0.0	233.10	9800.00	249.49	3403.18	249.63	420.91	1409.27	1830.19	4.29			
28200.00	50.00			0.0	0.0	233.50	9800.00	249.09	2692.15	249.28	821.55	0.0	0.0	5.21			
28200.00	50.00			0.0	0.0	233.50	9800.00	249.44	2392.08	249.73	419.84	1361.03	1780.88	5.96			
28230.00	30.00			0.0	0.0	233.50	9800.00	250.63	3882.73	250.73	883.05	0.0	0.0	3.87			
28280.00	30.00			0.0	0.0	233.50	9800.00	250.98	3490.49	251.12	499.72	1312.10	1811.82	4.37			
28280.00	50.00			0.0	0.0	233.50	9800.00	250.69	4672.25	250.76	754.67	0.0	1638	0.0	3.23		
28280.00	50.00			0.0	0.0	233.50	9800.00	251.07	4292.97	251.16	461.52	1384.55	1846.08	3.57			
36550.00	8270.00			0.0	0.0	235.80	9200.00	254.39	4322.80	254.45	1108.57	0.0	1412	0.0	3.09		
36550.00	8270.00			0.0	0.0	235.80	9200.00	255.18	4240.99	255.26	527.19	1060.15	1587.31	3.26			
36600.00	50.00			0.0	0.0	236.30	9200.00	254.32	2785.64	254.52	1076.97	0.0	0.0	4.88			
36600.00	50.00			0.0	0.0	236.30	9200.00	255.09	2662.08	255.35	505.02	1093.27	1598.30	5.27			
36625.00	25.00			0.0	0.0	236.30	9200.00	255.12	3447.43	255.24	1139.24	0.0	0.0	4.08			
36625.00	25.00			0.0	0.0	236.30	9200.00	255.88	3312.99	256.04	580.08	1049.26	1629.34	4.38			
36675.00	50.00			0.0	0.0	236.30	9200.00	255.22	4737.91	255.27	1131.03	0.0	1412	0.0	2.86		
36675.00	50.00			0.0	0.0	236.30	9200.00	256.01	4604.83	256.08	561.75	1034.49	1596.24	3.05			
46550.00	9875.00			0.0	0.0	240.90	7800.00	260.14	2834.00	260.27	788.75	0.0	1050	0.0	3.72		
46550.00	9875.00			0.0	0.0	240.90	7800.00	261.10	2832.12	261.27	422.70	831.87	1254.57	3.90			
46600.00	50.00			0.0	0.0	242.90	7800.00	259.97	1503.46	260.44	224.67	0.0	0.0	5.85			
46600.00	50.00			0.0	0.0	242.90	7800.00	260.86	1480.27	261.47	116.57	997.78	1114.35	6.28			
46625.00	25.00			0.0	0.0	242.90	7800.00	259.99	1507.32	260.45	224.81	0.0	0.0	5.84			
46625.00	25.00			0.0	0.0	242.90	7800.00	260.87	1484.17	261.48	117.01	997.38	1114.39	6.27			
46675.00	50.00			0.0	0.0	242.90	7800.00	260.22	1712.63	260.58	107.37	0.0	1050	0.0	5.55		
46675.00	50.00			0.0	0.0	242.90	7800.00	261.16	1715.55	261.61	217.62	968.09	1185.71	5.84			
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH									
1950.000	12800.000	219.181	0.0	0.0	0.0	608.009	0.0	1950.000									
1950.000	12800.000	220.180	0.998	0.0	0.0	449.420	158.589	1950.000									
2000.000	12800.000	218.283	0.0	-0.898	0.0	140.000	0.0	50.000									
2000.000	12800.000	219.105	0.822	-1.075	0.0	98.340	41.660	50.000									

	2040,000	12800,000	218,376	0.0	0.093	0.0	169,759	0.0	40,000		
	2040,000	12800,000	219,198	0.822	0.093	0.0	98,659	71,099	40,000		
B	2090,000	12800,000	220,018	0.0	1,643	0.0	604,852	0.0	50,000		
	2090,000	12800,000	221,016	0.998	1,818	0.0	359,999	244,853	50,000		
1										1	
2	C	9350,000	10500,000	222,650	0.0	2,632	0.0	1214,329	0.0	7260,000	2
3		9350,000	10500,000	223,566	0.916	2,550	0.0	1099,999	114,330	7260,000	3
4										4	
5		9400,000	10500,000	221,527	0.0	-1,123	0.0	90,332	0.0	50,000	5
6		9400,000	10500,000	221,469	-0.058	-2,097	0.0	62,001	28,331	50,000	6
7										7	
8		9410,000	10500,000	221,527	0.0	0,000	0.0	90,332	0.0	10,000	8
9		9410,000	10500,000	222,527	1.000	1,058	0.0	91,843	-1,511	10,000	9
10										10	
11	D	9450,000	10500,000	225,990	0.0	4,463	0.0	1406,960	0.0	50,000	11
12		9450,000	10500,000	226,655	0.665	4,129	0.0	940,128	466,832	50,000	12
13										13	
14	E	10750,000	10500,000	225,276	0.0	-0,714	0.0	249,571	0.0	1290,000	14
15		10750,000	10500,000	226,258	0,982	-0,397	0.0	248,999	0,572	1290,000	15
16										16	
17		10800,000	10500,000	226,076	0.0	0,800	0.0	119,079	0.0	50,000	17
18		10800,000	10500,000	226,519	0.442	0,260	0.0	94,000	25,079	50,000	18
19										19	
20		10825,000	10500,000	226,176	0.0	0,100	0.0	119,357	0.0	25,000	20
21		10825,000	10500,000	227,176	1.000	0,657	0.0	121,921	-2,564	25,000	21
22										22	
23	P	10875,000	10500,000	226,588	0.0	0,412	0.0	261,476	0.0	50,000	23
24		10875,000	10500,000	227,342	0.755	0,166	0.0	174,999	86,477	50,000	24
25										25	
26	G	21750,000	9800,000	236,025	0.0	9,437	0.0	1041,489	0.0	10875,000	26
27		21750,000	9800,000	236,880	0.855	9,538	0.0	566,534	474,954	10875,000	27
28										28	
29		21800,000	9800,000	235,892	0.0	-0,133	0.0	814,196	0.0	50,000	29
30		21800,000	9800,000	236,685	0.793	-0,195	0.0	203,830	610,366	50,000	30
31										31	
32		21825,000	9800,000	236,072	0.0	0,180	0.0	833,757	0.0	25,000	32
33		21825,000	9800,000	236,866	0.793	0,180	0.0	229,723	604,034	25,000	33
34										34	
35	H	21875,000	9800,000	236,320	0.0	0,247	0.0	934,523	0.0	50,000	35
36		21875,000	9800,000	237,220	0.901	0,355	0.0	933,999	0,524	50,000	36
37										37	
38		22000,000	9800,000	236,364	0.0	0,044	0.0	394,453	0.0	125,000	38
39		22000,000	9800,000	237,242	0,879	0,022	0.0	392,999	1,454	125,000	39
40										40	
41		22050,000	9800,000	240,898	0.0	4,534	0.0	483,665	0.0	50,000	41
42		22050,000	9800,000	241,777	0,879	4,534	0.0	327,943	155,722	50,000	42
43										43	
44		22100,000	9800,000	240,914	0.0	0,015	0.0	484,040	0.0	50,000	44
45		22100,000	9800,000	241,792	0,878	0,015	0.0	328,116	155,923	50,000	45
46										46	
47	I	24150,000	9800,000	242,195	0.0	1,281	0.0	532,069	0.0	2050,000	47
48		24150,000	9800,000	242,528	0,334	0,737	0.0	211,941	320,128	2050,000	48
49										49	
50		24200,000	9800,000	241,791	0.0	-0,404	0.0	122,000	0.0	50,000	50
51		24200,000	9800,000	242,882	1,092	0,354	0.0	121,999	0,001	50,000	51
52										52	
53		24225,000	9800,000	241,987	0.0	0,196	0.0	122,000	0.0	25,000	53
54		24225,000	9800,000	243,477	1,490	0,594	0.0	121,999	0,001	25,000	54
55										55	
56	J	24275,000	9800,000	245,308	0.0	3,322	0.0	790,633	0.0	50,000	56
57		24275,000	9800,000	245,651	0,343	2,175	0.0	789,999	0,634	50,000	57
	K	28150,000	9800,000	249,106	0.0	3,797	0.0	721,398	0.0	3875,000	
		28150,000	9800,000	249,488	0,382	3,836	0.0	420,911	300,487	3875,000	

~~USE "0" ENCROACHMENT~~

USE "0" ENCROACHMENT

USE "0" ENCROACHMENT  
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USE "0" ENCROACHMENT



