

GR	278.200	0.0	274.700	100.000	271.400	200.000	269.300	300.000	268.000	400.000
GR	267.900	500.000	268.100	530.000	262.700	530.000	261.400	544.000	257.600	560.000
GR	256.500	569.000	257.600	577.000	261.100	586.000	262.000	590.000	268.100	590.000
GR	267.700	600.000	267.200	700.000	267.500	600.000	269.000	900.000	273.100	1000.000
GR	278.700	1100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.600	0.0	54.000	2.000	525.300	0.0	0.0	0.0
X1	3130.000	0.0	0.0	0.0	30.000	30.000	30.000	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	6.000	500.000	267.900	0.0	530.000	268.100	0.0	531.000	268.100	265.500
BT	590.000	268.100	265.500	591.000	268.100	0.0	600.000	267.700	0.0	0.0
X1	3180.000	19.000	567.000	588.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	278.000	0.0	274.400	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.0	0.0
X1	5850.000	24.000	640.000	660.000	2670.000	2670.000	2670.000	0.0	-0.500	0.0
GR	290.100	0.0	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	284.500	1000.000	283.500	1100.000	281.300	1200.000	303.800	1300.000
GR	303.800	1330.000	307.900	1400.000	316.100	1500.000	318.500	1535.000	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
ET	0.0	0.0	0.0	0.0	0.0	7.100	496.340	907.320	0.0	0.0
X1	5900.000	25.000	640.000	660.000	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	290.100	0.0	286.900	100.000	284.500	200.000	282.800	300.000	281.500	400.000
GR	280.000	500.000	279.000	600.000	279.200	636.000	275.400	636.000	274.900	640.000
GR	273.700	644.000	274.400	649.000	275.100	660.000	275.200	666.000	279.200	666.000
GR	278.900	700.000	279.200	800.000	280.000	900.000	281.500	1100.000	282.300	1200.000
GR	282.600	1300.000	283.000	1400.000	284.100	1500.000	286.600	1600.000	290.100	1690.000
SB	0.900	1.500	2.600	0.0	30.000	0.001	77.900	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	408.940	1082.110	0.0	0.0
X1	5930.000	0.0	0.0	0.0	30.000	30.000	30.000	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	6.000	600.000	279.000	0.0	636.000	279.200	0.0	637.000	279.200	277.300
BT	666.000	279.200	277.300	667.000	279.200	0.0	700.000	278.900	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	5980.000	18.000	640.000	660.000	50.000	50.000	50.000	0.0	0.500	0.0
GR	290.100	0.0	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	286.000	1600.000	290.000	1675.000	281.300	1260.000	281.600	1300.000
BT	5.000	525.000	825.000	1150.000	1900.000	1150.000	0.0	0.0	0.0	0.0
X1	9200.000	13.000	1223.000	1245.000	3225.000	3225.000	5225.000	0.0	0.0	0.0
GR	308.300	1000.000	304.800	1050.000	301.500	1100.000	299.300	1150.000	298.100	1200.000
GR	296.300	1223.000	291.300	1228.000	290.100	1231.000	291.100	1239.000	297.700	1245.000
GR	301.800	1300.000	303.700	1350.000	306.000	1400.000	0.0	0.0	0.0	0.0
X1	9450.000	21.000	1353.000	1357.000	250.000	250.000	250.000	0.0	0.0	0.0
GR	310.100	1000.000	309.600	1124.00	306.100	1174.000	302.900	1224.000	300.700	1274.000
GR	299.400	1324.000	297.700	1347.000	293.400	1353.000	291.700	1354.000	291.400	1355.000
GR	291.700	1356.000	293.400	1357.000	293.400	1369.000	303.200	1424.000	305.100	1474.000
GR	306.500	1506.000	307.200	1600.000	307.300	1610.000	309.000	1700.000	313.900	1800.000
GR	319.900	1900.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	90.000	0.010	12.570	0.0	0.0	0.0
X1	9540.000	0.0	0.0	0.0	4.000	4.000	4.000	0.0	6.700	0.0

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

T1 TRIB 14 BASIN 20
 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	FG
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	260.000	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	CRISW	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
1850.00	5.46	258.96	0.0	260.00	259.13	0.17	0.0	0.0	256.70
1250.	211.	427.	612.	127.	86.	279.	0.	0.	256.70
0.0	1.65	4.95	2.20	0.085	0.060	0.085	0.0	253.50	241.15
0.006023	1850.	1850.	1850.	0	0	5	0.0	280.77	521.92

3301 HV CHANGED MORE THAN HVINS

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 261.60 ELREA= 261.60

1900.00	5.55	258.65	0.0	0.0	260.06	1.41	0.56	0.37	261.60
1250.	0.	1250.	0.	0.	131.	0.	0.	0.	261.60
0.00	0.0	9.53	0.0	0.085	0.060	0.085	0.059	253.10	365.00
0.027303	50.	50.	50.	3	0	1	0.0	30.00	395.00

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKJR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.0	30.00	0.00	168.60	0.0	253.10	253.10

CLASS A LOW FLOW

BRIDGE W.S.= 258.65 BRIDGE VELOCITY= 7.51

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
259.93	260.06	0.00	0.	1250.	169.	259.90	261.50	1.00

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

T1 TRIB 14 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F0
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	261.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNAM	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	XNK	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1850.00	5.73	259.23	0.0	261.00	259.41	0.18	0.0	0.0	256.70
1500.	284.	468.	748.	161.	91.	318.	0.	0.	256.70
0.0	1.77	5.12	2.35	0.085	0.060	0.085	0.0	253.50	226.27
0.005976	1850.	1850.	1850.	0	0	4	0.0	299.97	526.24

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	XNK	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 261.60 ELREA= 261.60

1900.00	5.42	258.52	258.52	0.0	260.68	2.16	0.63	0.0	261.60
1500.	0.	1500.	0.	0.	127.	0.	0.	0.	261.60
0.00	0.0	11.79	0.0	0.085	0.060	0.085	0.059	253.10	365.00
0.043171	50.	50.	50.	4	11	1	0.0	30.00	395.00

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB XK XKOR COEQ RDIEN BWC BWP BARFA SS ELCHU ELCHD

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

T1 TRIB 14 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.006000	0.0	0.0	0.	263.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FM	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	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
1850.00	6.85	260.35	0.0	263.00	260.56	0.21	0.0	0.0	256.70
2900.	781.	660.	1458.	336.	113.	496.	0.	0.	256.70
0.0	2.33	5.86	2.94	0.085	0.060	0.085	0.0	253.50	187.02
0.005913	1850.	1850.	1850.	0	0	4	0.0	357.33	544.34

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY.

3720 ASSUMED CRITICAL DEPTH

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

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEAF= 261.60 ELREA= 261.60

1900.00	7.79	260.89	260.89	0.0	264.21	3.32	0.63	0.0	261.60
2900.	0.	2900.	0.	0.	198.	0.	1.	0.	261.60
0.00	0.0	14.62	0.0	0.085	0.060	0.085	0.059	253.10	365.00
0.043150	50.	50.	50.	30	0	1	0.0	30.00	395.00

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SR NOT SPECIFIED

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	
A	1850.00	1850.00	0.0	0.0	253.50	700.00	258.25	90.43	258.41	229.65	0.0	0.0	4.41
	1850.00	1850.00	0.0	0.0	253.50	1250.00	258.96	161.07	259.13	280.77	0.0	0.0	4.95
	1850.00	1850.00	0.0	0.0	253.50	1500.00	259.23	194.05	259.41	299.97	0.0	0.0	5.12
	1850.00	1850.00	0.0	0.0	253.50	2900.00	260.35	377.14	260.56	357.33	0.0	0.0	5.86
A	1900.00	50.00	0.0	0.0	253.10	700.00	258.39	69.01	258.89	30.00	0.0	0.0	5.67
	1900.00	50.00	0.0	0.0	253.10	1250.00	258.65	75.65	260.06	30.00	0.0	0.0	9.53
	1900.00	50.00	0.0	0.0	253.10	1500.00	258.52	72.19	260.68	30.00	0.0	0.0	11.79
	1900.00	50.00	0.0	0.0	253.10	2900.00	260.89	139.61	264.21	30.00	0.0	0.0	14.62
A	1930.00	30.00	261.50	259.90	253.10	700.00	258.39	68.98	258.89	30.00	0.0	0.0	5.67
	1930.00	30.00	261.50	259.90	253.10	1250.00	258.65	75.62	260.06	30.00	0.0	0.0	9.53
	1930.00	30.00	261.50	259.90	253.10	1500.00	258.52	72.21	260.68	30.00	0.0	0.0	11.79
	1930.00	30.00	261.50	259.90	253.10	2900.00	263.47	315.79	264.21	314.28	0.0	0.0	7.88
B	1980.00	50.00	0.0	0.0	254.50	700.00	259.22	79.69	259.37	227.70	0.0	0.0	4.38
	1980.00	50.00	0.0	0.0	254.50	1250.00	260.48	215.69	260.56	317.28	0.0	0.0	3.56
	1980.00	50.00	0.0	0.0	254.50	1500.00	261.12	319.07	261.18	348.68	0.0	0.0	3.15
	1980.00	50.00	0.0	0.0	254.50	2900.00	264.32	1182.31	264.36	464.81	0.0	0.0	2.25
A	3050.00	1070.00	0.0	0.0	254.20	700.00	263.90	131.98	264.05	291.37	0.0	0.0	3.67
	3050.00	1070.00	0.0	0.0	254.20	1250.00	264.44	190.68	264.65	334.49	0.0	0.0	4.79
	3050.00	1070.00	0.0	0.0	254.20	1500.00	264.52	201.78	264.79	341.45	0.0	0.0	5.47
	3050.00	1070.00	0.0	0.0	254.20	2900.00	265.63	386.65	265.89	411.27	0.0	0.0	6.09
A	3100.00	50.00	0.0	0.0	256.50	700.00	264.03	187.34	264.15	60.00	0.0	0.0	2.85
	3100.00	50.00	0.0	0.0	256.50	1250.00	264.55	220.06	264.86	60.00	0.0	0.0	4.60
	3100.00	50.00	0.0	0.0	256.50	1500.00	264.66	226.68	265.09	60.00	0.0	0.0	5.41
	3100.00	50.00	0.0	0.0	256.50	2900.00	265.30	271.08	266.58	60.00	0.0	0.0	9.36
A	3130.00	30.00	267.70	265.50	256.50	700.00	264.04	187.66	264.16	60.00	0.0	0.0	2.84
	3130.00	30.00	267.70	265.50	256.50	1250.00	264.57	221.34	264.88	60.00	0.0	0.0	4.58
	3130.00	30.00	267.70	265.50	256.50	1500.00	264.69	228.83	265.11	60.00	0.0	0.0	5.38
	3130.00	30.00	267.70	265.50	256.50	2900.00	266.18	334.87	267.16	60.00	0.0	0.0	8.21
B	3180.00	50.00	0.0	0.0	254.20	700.00	264.14	155.49	264.24	310.21	0.0	0.0	3.19
	3180.00	50.00	0.0	0.0	254.20	1250.00	264.93	259.95	265.04	374.02	0.0	0.0	3.68
	3180.00	50.00	0.0	0.0	254.20	1500.00	265.19	304.18	265.30	391.65	0.0	0.0	3.86
	3180.00	50.00	0.0	0.0	254.20	2900.00	267.31	852.62	267.37	625.23	0.0	0.0	3.13
C	5850.00	2670.00	0.0	0.0	273.20	700.00	276.80	44.98	277.41	138.97	0.0	0.0	7.63
	5850.00	2670.00	0.0	0.0	273.20	1250.00	277.68	98.38	278.14	225.12	0.0	0.0	7.46
	5850.00	2670.00	0.0	0.0	273.20	1500.00	277.98	125.72	278.40	332.38	0.0	0.0	7.39
	5850.00	2670.00	0.0	0.0	273.20	2900.00	278.52	192.72	279.20	388.45	0.0	0.0	10.13
A	5900.00	50.00	0.0	0.0	273.70	700.00	277.75	41.97	278.86	30.00	0.0	0.0	9.02
	5900.00	50.00	0.0	0.0	273.70	1250.00	278.54	60.17	280.82	30.00	0.0	0.0	12.97
	5900.00	50.00	0.0	0.0	273.70	1500.00	280.05	143.62	280.68	410.99	0.0	0.0	8.06
	5900.00	50.00	0.0	0.0	273.70	2900.00	280.80	258.85	281.42	559.81	0.0	0.0	9.40

WAKE COUNTY

A

B

C

GARNER

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
5930.00	30.00	278.90	277.30	273.70	700.00	278.76	65.93	279.40	30.00	0.0	0.0	6.88
5930.00	30.00	278.90	277.30	273.70	1250.00	280.68	237.79	280.82	537.35	0.0	0.0	4.36
5930.00	30.00	278.90	277.30	273.70	1500.00	281.37	386.82	281.44	673.17	0.0	0.0	3.45
5930.00	30.00	278.90	277.30	273.70	2900.00	283.18	1122.62	283.21	1138.69	0.0	0.0	2.68
5980.00	50.00	0.0	0.0	274.20	700.00	279.57	198.96	279.60	592.33	0.0	0.0	2.38
5980.00	50.00	0.0	0.0	274.20	1250.00	280.87	460.51	280.89	548.85	0.0	0.0	2.17
5980.00	50.00	0.0	0.0	274.20	1500.00	281.46	636.74	281.48	761.51	0.0	0.0	2.01
5980.00	50.00	0.0	0.0	274.20	2900.00	283.22	1463.14	283.24	1057.49	0.0	0.0	1.98
9200.00	3225.00	0.0	0.0	290.10	525.00	294.48	24.51	296.02	17.25	0.0	0.0	9.99
9200.00	3225.00	0.0	0.0	290.10	825.00	295.64	39.25	297.57	19.47	0.0	0.0	11.16
9200.00	3225.00	0.0	0.0	290.10	1150.00	296.75	57.49	298.94	26.89	0.0	0.0	11.89
9200.00	3225.00	0.0	0.0	290.10	1900.00	299.42	145.69	300.82	120.92	0.0	0.0	10.28
9450.00	250.00	0.0	0.0	291.40	525.00	299.86	57.65	300.23	73.84	0.0	0.0	6.75
9450.00	250.00	0.0	0.0	291.40	825.00	300.97	99.86	301.25	126.64	0.0	0.0	6.69
9450.00	250.00	0.0	0.0	291.40	1150.00	301.85	154.63	302.08	158.34	0.0	0.0	6.41
9450.00	250.00	0.0	0.0	291.40	1900.00	302.97	253.15	303.21	197.97	0.0	0.0	6.96
9540.00	4.00	305.60	302.10	298.10	525.00	306.01	44.57	306.62	47.92	0.0	0.0	8.32
9540.00	4.00	305.60	302.10	298.10	825.00	306.58	58.16	307.46	74.79	0.0	0.0	10.53
9540.00	4.00	305.60	302.10	298.10	1150.00	307.24	80.39	308.11	108.83	0.0	0.0	11.21
9540.00	4.00	305.60	302.10	298.10	1900.00	308.20	130.95	309.06	145.96	0.0	0.0	12.22
9790.00	250.00	0.0	0.0	296.50	525.00	307.00	229.53	307.04	163.42	0.0	0.0	2.00
9790.00	250.00	0.0	0.0	296.50	825.00	307.95	324.51	308.01	197.47	0.0	0.0	2.39
9790.00	250.00	0.0	0.0	296.50	1150.00	308.66	416.67	308.73	223.56	0.0	0.0	2.73
9790.00	250.00	0.0	0.0	296.50	1900.00	309.73	592.29	309.83	268.21	0.0	0.0	3.40
9850.00	60.00	0.0	0.0	296.50	525.00	307.05	2337.37	307.05	1064.65	0.0	0.0	0.20
9850.00	60.00	0.0	0.0	296.50	825.00	308.02	3171.19	308.02	1109.20	0.0	0.0	0.25
9850.00	60.00	0.0	0.0	296.50	1150.00	308.73	3869.29	308.73	1142.24	0.0	0.0	0.29
9850.00	60.00	0.0	0.0	296.50	1900.00	309.84	5077.06	309.84	1193.19	0.0	0.0	0.40
9900.00	50.00	0.0	0.0	297.00	525.00	307.05	2263.79	307.05	956.49	0.0	0.0	0.19
9900.00	50.00	0.0	0.0	297.00	825.00	308.02	2994.28	308.02	1072.90	0.0	0.0	0.25
9900.00	50.00	0.0	0.0	297.00	1150.00	308.73	3627.44	308.73	1156.76	0.0	0.0	0.30
9900.00	50.00	0.0	0.0	297.00	1900.00	309.84	4744.71	309.84	1276.47	0.0	0.0	0.40
9960.00	60.00	305.30	302.00	297.00	525.00	307.24	2394.29	307.24	981.88	0.0	0.0	0.19
9960.00	60.00	305.30	302.00	297.00	825.00	308.23	3171.11	308.23	1097.35	0.0	0.0	0.24
9960.00	60.00	305.30	302.00	297.00	1150.00	309.00	3876.50	309.00	1187.24	0.0	0.0	0.28
9960.00	60.00	305.30	302.00	297.00	1900.00	310.24	5198.39	310.24	1542.17	0.0	0.0	0.37
10010.00	50.00	0.0	0.0	298.00	525.00	307.24	1423.97	307.24	1001.89	0.0	0.0	0.29
10010.00	50.00	0.0	0.0	298.00	825.00	308.23	2094.75	308.23	1050.26	0.0	0.0	0.34
10010.00	50.00	0.0	0.0	298.00	1150.00	309.00	2716.79	309.01	1085.75	0.0	0.0	0.38
10010.00	50.00	0.0	0.0	298.00	1900.00	310.24	3875.51	310.24	1142.52	0.0	0.0	0.48

D

M

Winterlocken Dr.

M

G

Vista Dr.

H

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
10350.00	340.00	0.0	0.0	304.40	525.00	308.98	32.48	309.61	102.01	0.0	0.0	7.73
10350.00	340.00	0.0	0.0	304.40	825.00	309.49	50.67	310.17	141.09	0.0	0.0	8.59
10350.00	340.00	0.0	0.0	304.40	1150.00	309.87	68.85	310.60	165.21	0.0	0.0	9.42
10350.00	340.00	0.0	0.0	304.40	1900.00	310.55	112.76	311.35	208.59	0.0	0.0	10.55

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
1850.000	700.000	258.245	0.0	0.0	0.0	229.651	0.0	1850.000
1850.000	1250.000	258.958	0.713	0.0	0.0	280.770	-51.120	1850.000
1850.000	1500.000	259.227	0.268	0.0	0.0	299.971	-70.321	1850.000
1850.000	2900.000	260.349	1.122	0.0	0.0	357.326	-127.676	1850.000
1900.000	700.000	258.394	0.0	0.148	0.0	30.000	0.0	50.000
1900.000	1250.000	258.651	0.258	-0.308	0.0	30.000	0.0	50.000
1900.000	1500.000	258.519	-0.132	-0.708	0.0	30.000	0.0	50.000
1900.000	2900.000	260.891	2.372	0.542	0.0	30.000	0.0	50.000
1930.000	700.000	258.394	0.0	0.0	0.0	30.000	0.0	30.000
1930.000	1250.000	258.651	0.258	0.0	0.0	30.000	0.0	30.000
1930.000	1500.000	258.519	-0.132	0.000	0.0	30.000	0.0	30.000
1930.000	2900.000	263.473	4.953	2.582	0.0	314.275	-284.275	30.000
1780.000	700.000	259.219	0.0	0.825	0.0	227.697	0.0	50.000
1980.000	1250.000	260.478	1.259	1.826	0.0	317.280	-89.584	50.000
1980.000	1500.000	261.118	0.641	2.599	0.0	348.677	-120.980	50.000
1980.000	2900.000	264.324	3.206	0.852	0.0	464.810	-237.113	50.000
3050.000	700.000	263.902	0.0	4.684	0.0	291.368	0.0	1070.000
3050.000	1250.000	264.438	0.536	3.961	0.0	334.491	-43.123	1070.000
3050.000	1500.000	264.524	0.086	3.406	0.0	341.446	-50.077	1070.000
3050.000	2900.000	265.627	1.103	1.303	0.0	411.268	-119.899	1070.000
3100.000	700.000	264.031	0.0	0.128	0.0	60.000	0.0	50.000
3100.000	1250.000	264.554	0.524	0.116	0.0	60.000	0.0	50.000
3100.000	1500.000	264.657	0.103	0.132	0.0	60.000	0.0	50.000
3100.000	2900.000	265.305	0.648	-0.323	0.0	60.000	0.0	50.000
3130.000	700.000	264.036	0.0	0.006	0.0	60.000	0.0	30.000
3130.000	1250.000	264.574	0.538	0.020	0.0	60.000	0.0	30.000
3130.000	1500.000	264.689	0.115	0.032	0.0	60.000	0.0	30.000
3130.000	2900.000	266.184	1.494	0.879	0.0	60.000	0.0	30.000
3180.000	700.000	264.137	0.0	0.100	0.0	310.207	0.0	50.000
3180.000	1250.000	264.928	0.792	0.354	0.0	374.024	-63.817	50.000
3180.000	1500.000	265.191	0.262	0.501	0.0	391.652	-81.445	50.000
3180.000	2900.000	267.308	2.117	1.125	0.0	625.228	-315.027	50.000
5850.000	700.000	276.004	0.0	12.667	0.0	138.973	0.0	2670.000
5850.000	1250.000	277.683	0.879	12.754	0.0	225.120	-86.147	2670.000
5850.000	1500.000	277.984	0.301	12.793	0.0	332.377	-193.405	2670.000
5850.000	2900.000	278.522	0.539	11.214	0.0	388.450	-249.478	2670.000
5900.000	700.000	277.749	0.0	0.945	0.0	30.000	0.0	50.000
5900.000	1250.000	278.536	0.787	0.853	0.0	30.000	0.0	50.000
5900.000	1500.000	280.055	1.519	2.071	0.0	410.986	-380.986	50.000
5900.000	2900.000	280.799	0.744	2.276	0.0	559.814	-529.814	50.000
5930.000	700.000	278.762	0.0	1.013	0.0	30.000	0.0	30.000
5930.000	1250.000	280.678	1.916	2.142	0.0	537.354	-507.354	30.000

5930.000	1500.000	281.365	0.688	1.311	0.0	673.171	-643.171	30.000
5930.000	2900.000	283.180	1.814	2.381	0.0	1138.691	-1108.691	30.000
5980.000	700.000	279.566	0.0	0.804	0.0	392.325	0.0	50.000
5980.000	1250.000	280.868	1.302	0.190	0.0	548.852	-156.527	50.000
5980.000	1500.000	281.463	0.595	0.097	0.0	761.512	-369.187	50.000
5980.000	2900.000	283.219	1.756	0.039	0.0	1057.486	-665.161	50.000
9200.000	525.000	294.476	0.0	14.910	0.0	17.246	0.0	3225.000
9200.000	825.000	295.641	1.165	14.773	0.0	19.470	-2.224	3225.000
9200.000	1150.000	296.750	1.109	15.287	0.0	26.892	-9.646	3225.000
9200.000	1900.000	299.423	2.673	16.204	0.0	120.917	-103.671	3225.000
9450.000	525.000	299.860	0.0	5.385	0.0	73.843	0.0	250.000
9450.000	825.000	300.970	1.109	5.329	0.0	126.645	-52.801	250.000
9450.000	1150.000	301.850	0.880	5.100	0.0	158.344	-84.500	250.000
9450.000	1900.000	302.971	1.122	3.548	0.0	197.965	-124.122	250.000
9540.000	525.000	306.009	0.0	6.149	0.0	47.917	0.0	4.000
9540.000	825.000	306.576	0.567	5.606	0.0	74.791	-26.875	4.000
9540.000	1150.000	307.236	0.660	5.386	0.0	108.826	-60.910	4.000
9540.000	1900.000	308.200	0.965	5.229	0.0	145.955	-98.039	4.000
9790.000	525.000	306.997	0.0	0.988	0.0	163.419	0.0	250.000
9790.000	825.000	307.952	0.955	1.376	0.0	197.475	-34.056	250.000
9790.000	1150.000	308.657	0.706	1.422	0.0	223.556	-60.137	250.000
9790.000	1900.000	309.735	1.077	1.534	0.0	268.212	-104.793	250.000
9850.000	525.000	307.047	0.0	0.050	0.0	1064.648	0.0	60.000
9850.000	825.000	308.015	0.968	0.063	0.0	1109.202	-44.554	60.000
9850.000	1150.000	308.733	0.718	0.076	0.0	1142.243	-77.595	60.000
9850.000	1900.000	309.841	1.107	0.106	0.0	1193.187	-128.539	60.000
9900.000	525.000	307.047	0.0	0.0	0.0	956.486	0.0	50.000
9900.000	825.000	308.016	0.969	0.000	0.0	1072.901	-116.415	50.000
9900.000	1150.000	308.734	0.718	0.000	0.0	1156.763	-200.277	50.000
9900.000	1900.000	309.841	1.107	0.000	0.0	1276.473	-319.987	50.000
9960.000	525.000	307.242	0.0	0.195	0.0	981.882	0.0	60.000
9960.000	825.000	308.233	0.991	0.217	0.0	1097.353	-115.471	60.000
9960.000	1150.000	309.004	0.771	0.270	0.0	1187.245	-205.363	60.000
9960.000	1900.000	310.238	1.234	0.396	0.0	1342.169	-360.287	60.000
10010.000	525.000	307.242	0.0	0.0	0.0	1001.889	0.0	50.000
10010.000	825.000	308.233	0.991	0.000	0.0	1050.255	-48.366	50.000
10010.000	1150.000	309.004	0.771	0.000	0.0	1085.750	-83.861	50.000
10010.000	1900.000	310.238	1.234	0.001	0.0	1142.524	-140.635	50.000
10350.000	525.000	308.981	0.0	1.739	0.0	102.010	0.0	340.000
10350.000	825.000	309.491	0.510	1.258	0.0	141.086	-39.076	340.000
10350.000	1150.000	309.871	0.380	0.867	0.0	165.209	-63.199	340.000
10350.000	1900.000	310.555	0.684	0.317	0.0	208.591	-106.581	340.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	46.097	0.0
2	0.0	0.0	60.024	13.928
3	0.0	0.0	73.991	27.894
4	0.0	0.0	102.377	56.280

GR	278.200	0.0	274.700	100.000	271.400	200.000	269.300	300.000	268.000	400.000
GR	267.900	500.000	268.100	530.000	262.700	530.000	261.400	544.000	257.600	560.000
GR	256.500	569.000	257.600	577.000	261.100	586.000	262.000	590.000	268.100	590.000
GR	267.700	600.000	257.200	700.000	267.500	800.000	269.000	900.000	273.100	1000.000
GR	278.700	1100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.600	0.9	54.000	2.000	325.300	0.0	0.0	0.0
X1	3130.000	0.0	0.0	0.0	30.000	30.000	30.000	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	6.000	500.000	267.900	0.0	530.000	268.100	0.0	531.000	268.100	265.500
BT	590.000	268.100	265.500	591.000	268.100	0.0	600.000	267.700	0.0	0.0
X1	3180.000	19.000	567.000	588.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	278.000	0.0	274.700	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.0	0.0
X1	5850.000	24.000	640.000	660.000	2670.000	2670.000	2670.000	0.0	-0.500	0.0
GR	290.100	0.0	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	284.500	1000.000	283.500	1100.000	281.300	1200.000	303.800	1300.000
GR	303.800	1330.000	307.900	1400.000	316.100	1500.000	318.500	1535.000	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
ET	0.0	0.0	0.0	0.0	0.0	7.100	496.340	907.320	0.0	0.0
X1	5900.000	25.000	640.000	660.000	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	290.100	0.0	286.900	100.000	284.500	200.000	282.800	300.000	281.500	400.000
GR	280.000	500.000	279.000	600.000	279.200	636.000	275.400	636.000	274.900	640.000
GR	273.700	644.000	274.400	649.000	275.100	660.000	275.200	666.000	279.200	666.000
GR	278.900	700.000	279.200	800.000	280.000	900.000	281.500	1100.000	282.300	1200.000
GR	282.600	1300.000	283.000	1400.000	284.100	1500.000	286.600	1600.000	290.100	1690.000
SB	0.900	1.500	2.600	0.0	30.000	0.001	77.900	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	408.940	1082.110	0.0	0.0
X1	5930.000	0.0	0.0	0.0	30.000	30.000	30.000	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	6.000	600.000	279.000	0.0	636.000	279.200	0.0	637.000	279.200	277.300
BT	666.000	279.200	277.300	667.000	279.200	0.0	700.000	278.900	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	5980.000	18.000	640.000	660.000	50.000	50.000	50.000	0.0	0.500	0.0
GR	290.100	0.0	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	286.000	1600.000	290.000	1675.000	281.300	1200.000	281.800	1300.000
QT	5.000	525.000	825.000	1150.000	1900.000	1150.000	0.0	0.0	0.0	0.0
X1	9200.000	13.000	1223.000	1245.000	3225.000	3225.000	3225.000	0.0	0.0	0.0
GR	308.300	1000.000	304.800	1050.000	301.500	1100.000	299.300	1150.000	298.100	1200.000
GR	296.300	1223.000	291.300	1228.000	290.100	1231.000	291.100	1239.000	297.700	1245.000
GR	301.800	1300.000	303.700	1350.000	306.000	1400.000	0.0	0.0	0.0	0.0
X1	9450.000	21.000	1353.000	1357.000	250.000	250.000	250.000	0.0	0.0	0.0
GR	310.100	1000.000	309.600	1124.000	306.100	1174.000	302.900	1224.000	300.700	1274.000
GR	299.400	1324.000	297.700	1347.000	293.400	1353.000	291.700	1354.000	291.400	1355.000
GR	291.700	1356.000	293.400	1357.000	299.000	1369.000	303.200	1424.000	305.100	1474.000
GR	306.500	1506.000	307.200	1600.000	307.300	1610.000	309.000	1700.000	313.900	1800.000
GR	319.900	1900.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	90.000	0.010	12.570	0.0	0.0	0.0
					4.000	4.000	4.000	0.0	6.700	0.0

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

T1 TRIB 14 BASIN 20
 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	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	260.230	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
 2800 NAT Q1= 194.46 WSEL= 259.23 ENC Q1= 194.46 WSEL= 259.93 RATIO= 0.0
 NAT Q1= 300. RATIOS LOB,CH,ROB= 0.2410 0.2535 0.5054 WSEL= 259.93
 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 LNDST

3470 ENCROACHMENT STATIONS=	314.3	443.3	TYPE=	4	TARGET=	0.351
1850.00	6.73	260.23	0.0	259.23	260.42	0.19 0.0 0.0 256.70
1500.	314.	524.	662.	134.	110.	248. 0. 0. 256.70
0.0	2.34	4.75	2.66	0.085	0.060	0.085 0.0 253.50 314.33
0.003988	1850.	1850.	1850.	0	0	1 0.0 129.02 443.35

IHC207I IBCOM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW(S) FFC5000F4204E27C . REGISTER CONTAINED 0000000000000000
 TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1
 MAIN 00011E1A 010473C0 F0000008 000C37F8

ENTRY POINT= 010473C0

STANDARD FIXUP TAKEN , EXECUTION CONTINUING
 2800 NAT Q1= 72.19 WSEL= 258.52 ENC Q1= 90.83 WSEL= 259.22 RATIO= -0.2582
 NAT Q1= 91. RATIOS LOB,CH,ROB= 0.0 1.0000 0.0 WSEL= 259.22

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	365.0	395.0	TYPE=	4	TARGET=	0.0
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OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 261.60 ELREA= 261.60

1900.00	6.77	259.87	0.0	258.52	261.11	1.24 0.37 0.32 261.60
1500.	0.	1500.	0	0	0	0 0 0 0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	1850.00	1850.00	0.0	0.0	253.50	1500.00	259.23	194.46	259.41	300.20	0.0	0.0	5.12
	1850.00	1850.00	0.0	0.0	253.50	1500.00	260.23	237.54	260.42	129.02	314.33	443.35	4.75
B	1900.00	50.00	0.0	0.0	253.10	1500.00	258.52	72.19	260.68	30.00	0.0	0.0	11.79
	1900.00	50.00	0.0	0.0	253.10	1500.00	259.87	109.08	261.11	30.00	365.00	395.00	8.95
C	1930.00	30.00	0.0	0.0	253.10	1500.00	258.52	72.21	260.68	30.00	0.0	0.0	11.79
	1930.00	30.00	0.0	0.0	253.10	1500.00	259.87	109.06	261.11	30.00	365.00	395.00	8.95
D	1980.00	50.00	0.0	0.0	254.50	1500.00	261.12	319.07	261.18	348.68	0.0	0.0	3.15
	1980.00	50.00	0.0	0.0	254.50	1500.00	261.41	285.69	261.51	168.67	290.82	459.49	3.67
E	3050.00	1070.00	0.0	0.0	254.20	1500.00	264.52	201.78	264.79	341.45	0.0	0.0	5.47
	3050.00	1070.00	0.0	0.0	254.20	1500.00	265.24	207.27	265.58	145.92	543.21	689.13	5.69
F	3100.00	50.00	0.0	0.0	256.50	1500.00	264.66	226.68	265.09	60.00	0.0	0.0	5.41
	3100.00	50.00	0.0	0.0	256.50	1500.00	265.41	242.57	265.82	42.00	544.00	586.00	5.15
G	3130.00	30.00	0.0	0.0	256.50	1500.00	264.69	228.83	265.11	60.00	0.0	0.0	5.38
	3130.00	30.00	0.0	0.0	256.50	1500.00	265.44	244.35	265.85	42.00	544.00	586.00	5.13
H	3180.00	50.00	0.0	0.0	254.20	1500.00	265.19	304.18	265.30	391.65	0.0	0.0	3.86
	3180.00	50.00	0.0	0.0	254.20	1500.00	265.89	319.42	266.02	191.70	531.25	722.95	3.90
I	5850.00	2670.00	0.0	0.0	273.20	1500.00	277.98	125.72	278.40	332.38	0.0	0.0	7.39
	5850.00	2670.00	0.0	0.0	273.20	1500.00	278.27	113.97	278.99	77.97	618.08	676.05	8.53
J	5900.00	50.00	0.0	0.0	273.70	1500.00	280.05	143.62	280.68	410.99	0.0	0.0	8.06
	5900.00	50.00	0.0	0.0	273.70	1500.00	280.12	151.53	280.68	410.98	496.34	907.32	7.70
K	5930.00	30.00	278.90	277.30	273.70	1500.00	281.37	386.82	281.44	673.17	0.0	0.0	3.45
	5930.00	30.00	278.90	277.30	273.70	1500.00	281.39	393.23	281.46	673.17	408.94	1082.11	3.40
L	5980.00	50.00	0.0	0.0	274.20	1500.00	281.46	636.74	281.48	761.51	0.0	0.0	2.01
	5980.00	50.00	0.0	0.0	274.20	1500.00	281.56	454.42	281.52	230.31	539.14	769.44	2.82
M	9200.00	3225.00	0.0	0.0	290.10	1150.00	296.75	57.49	298.94	26.89	0.0	0.0	11.89
	9200.00	3225.00	0.0	0.0	290.10	1150.00	296.66	55.15	298.95	21.05	1223.00	1245.00	12.15
N	9450.00	250.00	0.0	0.0	291.40	1150.00	301.85	154.63	302.08	158.34	0.0	0.0	6.41
	9450.00	250.00	0.0	0.0	291.40	1150.00	302.30	136.49	302.74	46.65	1321.07	1367.73	7.49
O	9540.00	4.00	0.0	0.0	298.10	1150.00	307.24	80.39	308.11	108.83	0.0	0.0	11.21
	9540.00	4.00	0.0	0.0	298.10	1150.00	307.69	77.74	309.00	27.38	1336.89	1364.28	12.00
P	9790.00	250.00	0.0	0.0	290.10	1150.00	308.22	2035.58	308.23	398.79	0.0	0.0	0.76
	9790.00	250.00	0.0	0.0	290.10	1150.00	309.16	2034.29	309.16	226.86	1108.86	1335.72	0.79
Q	9850.00	60.00	0.0	0.0	296.50	1150.00	308.23	3370.37	308.23	1118.96	0.0	0.0	0.33
	9850.00	60.00	0.0	0.0	296.50	1150.00	309.16	3320.20	309.17	819.36	221.75	1312.76	0.35
R	9900.00	50.00	0.0	0.0	297.00	1150.00	308.23	3166.81	308.23	1096.77	0.0	0.0	0.33
	9900.00	50.00	0.0	0.0	297.00	1150.00	309.16	3136.64	309.17	838.97	162.00	1181.15	0.35

WAKE COUNTY

GARNER

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
9960.00	60.00	0.0	0.0	297.00	1150.00	308.57	3467.25	308.57	1136.47	0.0	0.0	0.31
9960.00	60.00	0.0	0.0	297.00	1150.00	309.51	3431.69	309.51	880.47	158.31	1193.42	0.33
H 10010.00	50.00	0.0	0.0	298.00	1150.00	308.57	2355.77	308.57	1065.71	0.0	0.0	0.43
10010.00	50.00	0.0	0.0	298.00	1150.00	309.51	2314.47	309.51	743.35	248.41	1502.57	0.47
I 10350.00	340.00	0.0	0.0	304.40	1150.00	309.85	67.68	310.61	163.81	0.0	0.0	9.55
10350.00	340.00	0.0	0.0	304.40	1150.00	310.50	64.52	311.91	50.00	960.00	1010.00	11.07

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
A 1850.000	1500.000	259.230	0.0	0.0	0.0	300.201	0.0	1850.000
1850.000	1500.000	260.230	1.000	0.0	0.0	129.017	171.184	1850.000
1900.000	1500.000	258.519	0.0	-0.711	0.0	30.000	0.0	50.000
1900.000	1500.000	259.865	1.347	-0.364	0.0	30.000	0.0	50.000
1930.000	1500.000	258.519	0.0	0.000	0.0	30.000	0.0	30.000
1930.000	1500.000	259.865	1.346	0.0	0.0	30.000	0.0	30.000
B 1980.000	1500.000	261.118	0.0	2.599	0.0	348.677	0.0	50.000
1980.000	1500.000	261.407	0.289	1.542	0.0	168.671	180.006	50.000
A 3050.000	1500.000	264.524	0.0	3.406	0.0	341.446	0.0	1070.000
3050.000	1500.000	265.243	0.718	3.836	0.0	145.918	195.528	1070.000
3100.000	1500.000	264.657	0.0	0.132	0.0	60.000	0.0	50.000
3100.000	1500.000	265.411	0.755	0.169	0.0	42.001	17.999	50.000
3130.000	1500.000	264.689	0.0	0.032	0.0	60.000	0.0	30.000
3130.000	1500.000	265.444	0.755	0.032	0.0	42.001	17.999	30.000
B 3180.000	1500.000	265.191	0.0	0.501	0.0	391.652	0.0	50.000
3180.000	1500.000	265.890	0.699	0.446	0.0	191.697	199.955	50.000
C 5850.000	1500.000	277.984	0.0	12.793	0.0	532.377	0.0	2670.000
5850.000	1500.000	278.270	0.285	12.380	0.0	77.973	254.405	2670.000
5900.000	1500.000	280.055	0.0	2.071	0.0	410.986	0.0	50.000
5900.000	1500.000	280.120	0.065	1.851	0.0	410.979	0.007	50.000
5930.000	1500.000	281.365	0.0	1.311	0.0	673.171	0.0	30.000
5930.000	1500.000	281.389	0.023	1.269	0.0	673.169	0.002	30.000
D 5980.000	1500.000	281.463	0.0	0.097	0.0	761.512	0.0	50.000
5980.000	1500.000	281.465	0.002	0.076	0.0	230.308	531.204	50.000
E 9200.000	1150.000	296.750	0.0	15.287	0.0	26.892	0.0	3225.000
9200.000	1150.000	296.656	-0.093	15.192	0.0	21.052	5.840	3225.000
9450.000	1150.000	301.850	0.0	5.100	0.0	158.344	0.0	250.000
9450.000	1150.000	302.301	0.452	5.645	0.0	46.653	111.690	250.000
9540.000	1150.000	307.236	0.0	5.386	0.0	108.826	0.0	4.000
9540.000	1150.000	307.688	0.452	5.306	0.0	27.385	81.441	4.000
F 9790.000	1150.000	308.223	0.0	0.987	0.0	398.793	0.0	250.000
9790.000	1150.000	309.158	0.936	1.471	0.0	226.857	171.936	250.000

9850.000	1150.000	308.227	0.0	0.004	0.0	1118.961	0.0	60.000
9850.000	1150.000	309.164	0.937	0.005	0.0	819.356	299.605	60.000
9900.000	1150.000	308.227	0.0	0.000	0.0	1096.769	0.0	50.000
9900.000	1150.000	309.164	0.937	0.000	0.0	838.972	257.796	50.000
9960.000	1150.000	308.568	0.0	0.341	0.0	1136.467	0.0	60.000
9960.000	1150.000	309.505	0.937	0.341	0.0	880.466	256.001	60.000
10010.000	1150.000	308.568	0.0	0.000	0.0	1065.709	0.0	50.000
10010.000	1150.000	309.506	0.937	0.000	0.0	743.351	322.359	50.000
10350.000	1150.000	309.849	0.0	1.281	0.0	163.615	0.0	340.000
10350.000	1150.000	310.497	0.648	0.992	0.0	49.999	113.816	340.000

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	74.350	0.0
2	1.000		50.000	30.914	-43.436

Revised

THIS RUN EXECUTED 14 AUG 80 13103121

FRN

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR = 01,02,03
 MODIFICATION = 50,51,52,53

Deck revised using ET instead of X3

but Natural profile was unchanged

INPUT ECHO

OUTPUT ECHOFW1

1000 HA HA

C
 T1 ECHO GR TR 14, BASIN 20 REVISED AUG 1980
 T2 GARNER, WAKE CO, N C
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	259.230	0.000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	38.000	1.000
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	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
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NC	0.085	0.085	0.060	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	5.000	700.000	1250.000	1500.000	2900.000	1500.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	314.000	444.000

X1	1850.000	15.000	358.000	377.000	1850.000	1850.000	1850.000	0.000	-1.000	0.000
GR	273.900	0.000	265.700	100.000	260.700	200.000	258.900	300.000	257.700	358.000
GR	255.800	361.000	254.500	368.000	254.800	374.000	255.800	375.000	257.700	377.000
GR	257.200	400.000	258.600	500.000	264.800	600.000	272.200	700.000	273.500	715.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	365.000	395.000

LEGEND ROAD

X1	1900.000	15.000	365.000	395.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	273.900	0.000	267.500	100.000	263.200	200.000	261.500	300.000	261.600	365.000
GR	253.700	365.000	253.100	377.000	253.900	387.000	257.200	391.000	258.000	395.000
GR	261.600	395.000	261.600	400.000	263.100	500.000	267.900	600.000	273.500	683.000
SB	0.900	1.500	2.600	0.000	30.000	0.001	168.600	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	365.000	395.000

X1	1930.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	15.000	0.000	273.900	0.000	100.000	267.500	0.000	200.000	263.200	0.000
BT	300.000	261.500	0.000	365.000	261.600	0.000	365.000	261.600	259.900	377.000
BT	261.600	259.900	387.000	261.600	259.900	391.000	261.600	259.900	395.000	261.600
BT	259.900	395.000	261.600	0.000	400.000	261.600	0.000	500.000	263.100	0.000
BT	600.000	267.900	0.000	683.000	273.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	290.000	460.000

X1	1980.000	16.000	358.000	377.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	273.900	0.000	265.700	100.000	260.700	200.000	258.900	300.000	257.700	358.000
GR	255.800	361.000	254.800	362.000	254.500	368.000	257.700	374.000	255.800	375.000
GR	257.700	377.000	257.200	400.000	258.600	500.000	264.800	600.000	272.200	700.000
GR	273.500	715.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	543.000	689.000

X1	3050.000	19.000	567.000	588.000	1070.000	1070.000	1070.000	0.000	0.000	0.000
GR	278.000	0.000	274.400	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	530.000	590.000

OLD STAGE ROAD

X1	3100.000	21.000	530.000	590.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	278.200	0.000	274.700	100.000	271.400	200.000	269.300	300.000	268.000	400.000
GR	267.900	500.000	268.100	530.000	262.700	530.000	261.400	544.000	257.600	560.000
GR	256.500	569.000	257.600	577.000	261.100	586.000	262.000	590.000	268.100	590.000
GR	267.700	600.000	267.200	700.000	267.500	800.000	269.000	900.000	273.100	1000.000
GR	278.700	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.050	1.500	2.600	0.000	54.000	2.000	375.300	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	530.000	590.000

X1	3130.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	6.000	500.000	267.900	0.000	530.000	268.100	0.000	531.000	268.100	265.500
BT	590.000	268.100	265.500	591.000	268.100	0.000	600.000	267.700	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	531.000	723.000

X1	3180.000	19.000	567.000	588.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	278.000	0.000	274.400	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	618.000	696.000

X1	5510.000	24.000	640.000	660.000	2330.000	2330.000	2330.000	0.000	-0.500	0.000
GR	290.100	0.000	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	284.500	1000.000	283.500	1100.000	281.300	1200.000	303.800	1300.000
GR	303.800	1330.000	307.900	1400.000	316.100	1500.000	318.500	1535.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	590.000	740.000

GROVEMONT ROAD

X1	5560.000	25.000	640.000	660.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	290.100	0.000	286.900	100.000	284.500	200.000	282.800	300.000	281.500	400.000
GR	280.000	500.000	279.000	600.000	279.200	636.000	275.400	636.000	274.900	640.000
GR	273.700	644.000	274.400	649.000	275.100	660.000	275.200	666.000	279.200	666.000
GR	278.900	700.000	279.200	800.000	280.000	900.000	281.500	1100.000	282.300	1200.000
GR	282.600	1300.000	283.000	1400.000	284.100	1500.000	286.600	1600.000	290.100	1690.000
SB	0.900	1.500	2.600	0.000	21.600	0.001	77.900	0.000	0.000	0.000

OFFICE ELECTRONICS INC.

ET	0.007	0.000	0.000	0.000	0.000	9.110	0.000	0.000	560.000	770.000
X1	5590.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	6.000	600.000	279.000	0.000	636.000	279.200	0.000	637.000	279.200	277.300
BT	666.000	279.200	277.300	667.000	279.200	0.000	700.000	278.900	0.000	0.000
NC	0.100	0.100	0.050	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	539.000	769.000

X1	5640.000	18.000	640.000	660.000	50.000	50.000	50.000	0.000	0.500	0.000
GR	290.100	0.000	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	286.000	1600.000	290.000	1675.000	281.300	1200.000	281.800	1300.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1420.000	1610.000

SURVEYED SECTION FM TOWN MAY 80

X1	6150.000	17.000	1490.000	1510.000	510.000	510.000	510.000	0.000	0.000	0.000
GR	290.400	1050.000	285.400	1100.000	281.200	1150.000	278.400	1200.000	276.400	1250.000
GR	276.000	1300.000	276.500	1400.000	277.000	1450.000	277.000	1490.000	275.700	1500.000
GR	276.500	1510.000	277.200	1550.000	277.200	1622.000	279.400	1650.000	280.000	1700.000
GR	285.000	1720.000	290.000	1780.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	7.110	7.110	7.110	0.000	9.110	1000.000	1425.000	1270.000	1425.000

SURVEYED SECTION FM TOWN MAY 80

X1	6650.000	21.000	1390.000	1410.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	290.800	1000.000	288.700	1030.000	288.500	1050.000	286.100	1100.000	281.700	1150.000
GR	280.100	1200.000	278.500	1250.000	278.800	1350.000	278.800	1390.000	276.200	1400.000
GR	278.400	1410.000	281.500	1425.000	279.500	1430.000	277.900	1450.000	280.500	1500.000
GR	281.700	1550.000	282.300	1600.000	284.000	1700.000	285.000	1750.000	286.000	1765.000
GR	286.200	1800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	7.110	7.110	7.110	0.000	9.110	1000.000	1450.000	1300.000	1450.000

SURVEYED SECTION FM TOWN MAY 80

X1	7150.000	18.000	1390.000	1410.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	292.500	1050.000	289.500	1100.000	290.000	1150.000	285.000	1200.000	280.800	1250.000
GR	281.200	1300.000	281.500	1350.000	280.000	1390.000	277.500	1400.000	280.000	1410.000
GR	284.000	1450.000	280.400	1500.000	280.800	1550.000	279.800	1575.000	282.700	1600.000
GR	281.900	1630.000	285.000	1645.000	290.000	1740.000	0.000	0.000	0.000	0.000
QT	5.000	525.000	825.000	1150.000	1900.000	1150.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	180.000	290.000

X1	7540.000	11.000	242.000	255.000	390.000	390.000	390.000	0.000	0.000	0.000
GR	295.000	0.000	290.000	40.000	285.000	110.000	284.000	242.000	279.500	248.000
GR	279.500	251.000	281.300	252.000	284.000	255.000	285.000	360.000	290.000	450.000
GR	295.000	500.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	9.110	0.000	9.110	0.000	0.000	210.000	290.000

X1	7630.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	236.000	260.000

GREENBRIER ROAD

X1	7680.000	15.000	236.000	261.000	50.000	50.000	50.000	0.000	0.000	0.000
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X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	289,000	289,000	0,000
GR	295,800	0,000	293,600	50,000	291,700	100,000	290,700	150,000	288,800	200,000
GR	288,200	236,000	280,000	248,000	280,000	251,000	281,800	252,000	288,600	261,000
GR	289,800	300,000	290,400	350,000	291,700	400,000	293,700	450,000	294,700	500,000
SB	0,900	1,420	2,500	0,000	3,000	0,100	90,000	0,970	280,200	280,000
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	236,000	261,000

X1	7715,000	0,000	0,000	0,000	35,000	35,000	35,000	0,000	0,200	0,000
X2	0,000	0,000	1,000	288,200	290,500	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	290,500	290,500	0,000
BT	14,000	0,000	295,500	0,000	50,000	293,900	0,000	100,000	292,700	0,000
BT	150,000	291,600	0,000	200,000	290,600	0,000	240,000	290,000	0,000	240,000
BT	290,500	288,200	259,000	290,500	288,200	259,000	290,000	0,000	300,000	290,400
BT	0,000	350,000	291,500	0,000	400,000	293,000	0,000	450,000	294,000	0,000
BT	500,000	295,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	9,110	9,110	9,110	0,000	9,110	0,000	0,000	210,000	290,000

X1	7760,000	13,000	236,000	260,000	45,000	45,000	45,000	0,000	0,000	0,000
GR	296,300	0,000	292,900	50,000	291,200	100,000	288,700	150,000	287,500	200,000
GR	286,100	236,000	280,400	248,000	280,400	251,000	284,800	260,000	287,000	300,000
GR	289,200	350,000	293,600	400,000	296,000	450,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	185,000	315,000

X1	7850,000	0,000	0,000	0,000	90,000	90,000	90,000	0,000	0,500	0,000
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	215,000	300,000

SURVEYED SECTION FM TOWN AUG 1980

X1	8520,000	12,000	238,000	264,000	670,000	670,000	670,000	0,000	0,000	0,000
GR	302,000	50,000	297,200	100,000	292,000	150,000	290,200	200,000	290,200	238,000
GR	285,000	249,000	285,000	252,000	290,700	264,000	292,100	300,000	295,100	350,000
GR	298,000	400,000	304,600	450,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	1205,000	1255,000

SURVEYED SECTION 1975

X1	9300,000	13,000	1223,000	1245,000	780,000	780,000	780,000	0,000	0,000	0,000
GR	308,300	1000,000	304,800	1050,000	301,500	1100,000	299,300	1150,000	298,100	1200,000
GR	296,300	1223,000	291,300	1228,000	290,100	1231,000	291,100	1239,000	297,700	1245,000
GR	301,800	1300,000	303,700	1350,000	306,000	1400,000	0,000	0,000	0,000	0,000
ET	0,000	7,110	7,110	7,110	7,110	9,110	1200,000	1270,000	1195,000	1275,000

X1	9500,000	0,000	0,000	0,000	200,000	200,000	200,000	0,000	1,200	0,000
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	1315,000	1365,000

WINTERLOCHEN ROAD

X1	9550,000	21,000	1353,000	1357,000	50,000	50,000	50,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	302,000	302,000	0,000
GR	310,100	1000,000	309,600	1124,000	306,100	1174,000	302,900	1224,000	300,700	1274,000
GR	299,400	1324,000	297,700	1347,000	293,400	1353,000	291,700	1354,000	291,400	1355,000
GR	291,700	1356,000	293,400	1357,000	299,000	1369,000	303,200	1424,000	305,100	1474,000
GR	306,500	1506,000	307,200	1600,000	307,300	1610,000	309,000	1700,000	313,900	1800,000
GR	319,900	1900,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
SB	0,900	1,500	2,500	0,000	3,200	0,010	12,570	0,000	298,100	298,100
ET	0,000	0,000	0,000	0,000	0,000	9,110	0,000	0,000	1315,000	1365,000

X1	9640,000	0,000	0,000	0,000	90,000	90,000	90,000	0,000	6,700	0,000
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OFFICE ELECTRONICS INC.

X1	0.000	0.000	1.000	302.100	305.600	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	305.600	305.600	0.000
BT	15.000	1000.000	310.100	0.000	1100.000	310.800	0.000	1200.000	308.900	0.000
BT	1300.000	306.200	0.000	1353.000	305.600	300.100	1354.000	305.600	301.800	1355.000
BT	305.600	302.100	1356.000	305.600	301.800	1357.000	305.600	300.100	1400.000	305.600
BT	0.000	1500.000	306.500	0.000	1600.000	307.200	0.000	1610.000	307.300	0.000
BT	1800.000	313.900	0.000	1900.000	319.900	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1210.000	1260.000

X1	9690.000	13.000	1223.000	1245.000	50.000	50.000	50.000	0.000	8.500	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	305.600	305.600	0.000
GR	308.300	1000.000	304.800	1050.000	301.300	1100.000	299.300	1150.000	298.100	1200.000
GR	296.300	1223.000	291.300	1228.000	290.100	1231.000	291.100	1239.000	297.700	1245.000
GR	301.800	1300.000	303.700	1350.000	306.000	1400.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1210.000	1260.000

X1	9890.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	950.000	1000.000

X1	9920.000	12.000	978.000	992.000	30.000	30.000	30.000	0.000	-1.400	0.000
GR	323.100	500.000	317.100	600.000	311.400	700.000	310.700	800.000	307.300	978.000
GR	304.500	982.000	304.400	984.000	304.500	986.000	309.000	992.000	309.100	1000.000
GR	318.100	1100.000	323.100	1151.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	950.000	1000.000

VESTA DRIVE

X1	9980.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	307.500	307.500	0.000
S3	1.000	2.750	2.500	150.000	2.000	0.010	9.600	0.200	304.500	304.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	950.000	1000.000

X1	10050.000	0.000	0.000	0.000	70.000	70.000	70.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	307.900	311.600	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	311.600	311.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	950.000	1000.000

UPPER STUDY LIMIT

X1	10100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.500	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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OFFICE ELECTRONIC INC

FEI

THIS RUN EXECUTED 14 AUG 80 13:03:47

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 TRIB 14 BASIN 20
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	F0
	0.	6.	0.	0.	0.000000	0.00	0.0	0.	259.730	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

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OFFICE ELECTRONICS INC
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THIS RUN EXECUTED 14 AUG 80 13:04:02

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*8	Q
1850.000	259.23	259.41	0.00	253.50	59.52	1500.00
1850.000	259.73	260.00	0.00	253.50	63.37	1500.00
* 1900.000	258.52	260.68	0.00	253.10	431.10	1500.00
1900.000	259.45	260.90	0.00	253.10	237.77	1500.00
1930.000	258.52	260.68	259.90	253.10	430.93	1500.00
1930.000	260.18	261.29	259.90	253.10	160.65	1500.00
1980.000	261.12	261.18	0.00	254.50	22.10	1500.00
1980.000	261.56	261.66	0.00	254.50	25.31	1500.00
3050.000	264.53	264.79	0.00	254.20	55.26	1500.00
3050.000	265.21	265.56	0.00	254.20	54.58	1500.00
3100.000	264.72	265.08	0.00	256.50	47.52	1500.00
3100.000	265.50	265.77	0.00	256.50	30.72	1500.00
3130.000	264.74	265.10	265.50	256.50	46.83	1500.00
3130.000	265.75	266.00	265.50	256.50	27.12	1500.00
3180.000	265.17	265.29	0.00	254.20	24.94	1500.00
3180.000	266.00	266.13	0.00	254.20	20.56	1500.00
* 5510.000	277.67	278.34	0.00	273.20	237.99	1500.00
5510.000	277.65	278.84	0.00	273.20	347.02	1500.00
* 5560.000	280.13	280.68	0.00	273.70	96.35	1500.00
* 5560.000	279.99	281.02	0.00	273.70	155.77	1500.00
5590.000	281.39	281.46	277.30	273.70	14.51	1500.00
5590.000	281.19	281.42	277.30	273.70	36.21	1500.00
5640.000	281.48	281.51	0.00	274.20	6.56	1500.00
5640.000	281.46	281.55	0.00	274.20	12.79	1500.00
6150.000	281.69	281.69	0.00	275.70	2.10	1500.00
6150.000	282.07	282.12	0.00	275.70	9.97	1500.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*8	Q
6650.000	281.89	282.00	0.00	276.20	31.70	1500.00
6650.000	282.78	282.93	0.00	276.20	26.99	1500.00
7150.000	283.73	283.97	0.00	277.50	47.51	1500.00
7150.000	284.39	284.70	0.00	277.50	44.13	1500.00
7540.000	286.08	286.37	0.00	279.50	89.50	1150.00
7540.000	286.65	287.13	0.00	279.50	100.48	1150.00
7630.000	286.79	287.60	0.00	279.70	148.03	1150.00
7630.000	287.46	287.96	0.00	279.70	83.30	1150.00
* 7680.000	287.78	289.91	0.00	280.00	303.03	1150.00
* 7680.000	287.78	289.91	0.00	280.00	302.60	1150.00
7715.000	289.82	290.82	288.20	280.20	93.14	1150.00
7715.000	290.26	291.12	288.20	280.20	77.75	1150.00
7760.000	290.92	291.10	0.00	280.40	11.93	1150.00
7760.000	291.20	291.36	0.00	280.40	10.48	1150.00
7850.000	291.12	291.20	0.00	280.90	7.56	1150.00
7850.000	291.35	291.46	0.00	280.90	8.54	1150.00
8520.000	291.97	292.72	0.00	285.00	101.79	1150.00
8520.000	292.26	293.12	0.00	285.00	98.06	1150.00
9300.000	298.73	299.60	0.00	290.10	76.21	1150.00
9300.000	298.83	299.68	0.00	290.10	72.93	1150.00
9500.000	300.25	301.01	0.00	291.30	63.29	1150.00
9500.000	300.30	301.03	0.00	291.30	60.39	1150.00
* 9550.000	302.29	302.53	0.00	291.40	43.91	1150.00
* 9550.000	302.34	303.03	0.00	291.40	88.77	1150.00
* 9640.000	307.64	308.56	302.10	298.10	150.41	1150.00
9640.000	308.82	309.59	302.10	298.10	100.00	1150.00
9690.000	308.57	308.96	0.00	298.60	30.34	1150.00
9690.000	309.49	309.88	0.00	298.60	24.21	1150.00
9890.000	309.19	310.03	0.00	300.50	73.09	1150.00
9890.000	310.01	310.64	0.00	300.50	47.77	1150.00
9920.000	310.18	310.31	0.00	303.00	29.25	1150.00
9920.000	310.10	310.93	0.00	303.00	110.65	1150.00
9980.000	310.18	310.31	0.00	303.00	28.94	1150.00
9980.000	310.09	310.93	0.00	303.00	111.40	1150.00
10050.000	313.61	313.62	307.90	303.50	2.10	1150.00
10050.000	313.30	313.60	307.90	303.50	25.73	1150.00
10100.000	313.62	313.63	0.00	304.00	2.97	1150.00
10100.000	313.41	313.76	0.00	304.00	30.51	1150.00

OFFICE ELECTRONICS INC.

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100 YEAR FLOOD WATER SUP

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
1850.000	259.23	226.11	358.00	377.00	526.29	300.18
1850.000	259.73	314.00	358.00	377.00	444.00	130.00
* 1900.000	258.52	365.00	365.00	395.00	395.00	30.00
1900.000	259.45	365.00	365.00	395.00	395.00	30.00
1930.000	258.52	365.00	365.00	395.00	395.00	30.00
1930.000	260.18	365.00	365.00	395.00	395.00	30.00
1980.000	261.12	191.81	358.00	377.00	540.48	348.67
1980.000	261.56	290.00	358.00	377.00	460.00	170.00
3050.000	264.53	526.66	567.00	588.00	868.10	341.44
3050.000	265.21	543.00	567.00	588.00	689.00	146.00
3100.000	264.72	530.00	530.00	590.00	590.00	60.00
3100.000	265.50	530.00	530.00	590.00	590.00	60.00
3130.000	264.74	530.00	530.00	590.00	590.00	60.00
3130.000	265.75	530.00	530.00	590.00	590.00	60.00
3180.000	265.17	510.55	567.00	588.00	901.29	390.75
3180.000	266.00	531.00	567.00	588.00	723.00	192.00
* 5510.000	277.67	601.55	640.00	660.00	825.84	224.30
5510.000	277.65	618.00	640.00	660.00	696.00	78.00
* 5560.000	280.13	491.28	640.00	660.00	917.44	426.16
* 5560.000	279.99	590.00	640.00	660.00	740.00	150.00
5590.000	281.39	407.14	640.00	660.00	1085.73	678.59
5590.000	281.19	560.00	640.00	660.00	770.00	210.00
5640.000	281.48	268.18	640.00	660.00	1033.43	765.24
5640.000	281.46	530.00	640.00	660.00	769.00	230.00
6150.000	281.69	1144.23	1490.00	1510.00	1706.74	562.51
6150.000	282.07	1420.00	1490.00	1510.00	1610.00	190.00
6650.000	281.89	1147.79	1390.00	1410.00	1425.00	277.21
6650.000	282.78	1270.00	1390.00	1410.00	1425.00	155.00
7150.000	283.73	1215.14	1390.00	1410.00	1447.28	232.15
7150.000	284.39	1300.00	1390.00	1410.00	1450.00	150.00
7540.000	286.08	94.85	242.00	255.00	379.48	284.64
7540.000	286.65	180.00	242.00	255.00	290.00	110.00
7630.000	286.70	210.00	242.00	255.00	290.00	80.00
7630.000	287.46	210.00	242.00	255.00	290.00	80.00
* 7680.000	287.78	236.62	236.00	261.00	259.91	23.29
* 7680.000	287.70	236.62	236.00	261.00	259.91	23.30

OFFICE ELECTRONICS INC.

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
7715.000	289.82	236.00	236.00	261.00	261.00	25.00
7715.000	290.26	236.00	236.00	261.00	261.00	25.00
7760.000	290.92	210.00	236.00	260.00	290.00	80.00
7760.000	291.20	210.00	236.00	260.00	290.00	80.00
7850.000	291.12	111.58	236.00	260.00	366.15	254.57
7850.000	291.35	185.00	236.00	260.00	315.00	130.00
8520.000	291.97	150.81	238.00	264.00	296.68	145.87
8520.000	292.26	215.00	238.00	264.00	300.00	85.00
9300.000	298.73	1173.63	1223.00	1245.00	1258.85	85.22
9300.000	298.83	1205.00	1223.00	1245.00	1255.00	50.00
9500.000	300.25	1200.00	1223.00	1245.00	1263.09	63.09
9500.000	300.30	1195.00	1223.00	1245.00	1263.86	68.86
* 9550.000	302.29	1237.93	1353.00	1357.00	1412.04	174.11
* 9550.000	302.34	1315.00	1353.00	1357.00	1365.00	50.00
* 9640.000	307.64	1268.66	1353.00	1357.00	1394.34	125.68
9640.000	308.82	1315.00	1353.00	1357.00	1365.00	50.00
9690.000	308.57	1132.55	1223.00	1245.00	1276.76	144.21
9690.000	309.49	1210.00	1223.00	1245.00	1260.00	50.00
9890.000	309.19	1171.04	1223.00	1245.00	1259.69	88.65
9890.000	310.01	1210.00	1223.00	1245.00	1260.00	50.00
9920.000	310.18	696.99	978.00	992.00	1027.46	330.48
9920.000	310.10	950.00	978.00	992.00	1000.00	50.00
9980.000	310.18	696.83	978.00	992.00	1027.56	330.73
9980.000	310.09	950.00	978.00	992.00	1000.00	50.00
10050.000	313.61	645.41	978.00	992.00	1060.13	410.72
10050.000	313.30	950.00	978.00	992.00	1000.00	50.00
10100.000	313.62	654.11	978.00	992.00	1054.62	400.51
10100.000	313.41	950.00	978.00	992.00	1000.00	50.00

SUMMARY OF ERRORS

- 12 CAUTION SECNO= 1900.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- 11 CAUTION SECNO= 5510.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- 10 CAUTION SECNO= 5510.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- 9 CAUTION SECNO= 5560.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- 7 CAUTION SECNO= 5560.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- 6 CAUTION SECNO= 5560.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- 5 CAUTION SECNO= 5560.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- 4 CAUTION SECNO= 7680.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- 3 CAUTION SECNO= 7680.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- 3 CAUTION SECNO= 7680.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

OFFICE ELECTRONIC

CAUTION SECNO= 7680.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7680.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7680.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 9550.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9550.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9550.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9550.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9550.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9550.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 9640.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO= 9640.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

OFFICE ELECTRONICS INC

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FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1850.000	130.	431.	3.5	259.7	259.2	0.5
1900.000	30.	155.	9.7	259.4	258.5	0.9
1930.000	30.	177.	8.5	260.2	258.5	1.7
1980.000	170.	654.	2.3	261.5	261.1	0.4
3050.000	146.	430.	3.5	265.2	264.5	0.7
3100.000	60.	359.	4.2	265.5	264.7	0.8
3130.000	60.	374.	4.0	265.7	264.7	1.0
3180.000	192.	687.	2.2	266.0	265.2	0.8
5510.000	78.	203.	7.4	277.7	277.7	0.0
5560.000	150.	273.	5.5	280.1	280.1	0.0
5590.000	210.	575.	2.6	281.3	281.4	-0.1
5640.000	230.	918.	1.6	281.5	281.5	0.0
6150.000	190.	976.	1.5	282.1	281.7	0.4
6650.000	155.	638.	2.4	282.8	281.9	0.9
7150.000	150.	506.	3.0	284.4	283.7	0.7
7540.000	110.	305.	3.8	286.7	286.1	0.6
7630.000	80.	285.	4.0	287.5	286.8	0.7
7680.000	23.	98.	11.7	287.8	287.8	0.0
7715.000	25.	155.	7.4	290.2	289.8	0.4
7760.000	80.	492.	2.3	291.2	290.9	0.3
7850.000	130.	641.	1.8	291.3	291.1	0.2
8520.000	85.	205.	5.6	292.3	292.0	0.3
9300.000	50.	182.	6.3	298.8	298.7	0.1
9500.000	69.	210.	5.5	300.3	300.2	0.1
9550.000	50.	251.	4.6	302.4	302.3	0.1
9640.000	50.	240.	4.8	308.8	307.6	1.2
9690.000	50.	285.	4.0	309.5	308.6	0.9
9890.000	50.	216.	5.3	310.0	309.2	0.8
9920.000	50.	209.	5.5	310.2	310.2	0.0
9980.000	50.	209.	5.5	310.2	310.2	0.0
10050.000	50.	344.	3.3	313.4	313.6	-0.2
10100.000	50.	324.	3.5	313.5	313.6	-0.1

CHIEF ELECTRONIC UNIT

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HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

INPUT ECHO
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T1 ECHO GR TR 14, BASIN 20 REVISED AUG 1980
T2 GARNER, WAKE CO, N C
T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.006000	0.00	0.0	0.	258.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	42.000	41.000	0.000	38.000	1.000	13.000	14.000
	15.000	55.000	26.000	56.000	0.000	38.000	1.000	53.000	21.000	22.000
	54.000	4.000	0.000	150.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.085	0.085	0.060	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	5.000	700.000	1250.000	1500.000	2900.000	1500.000	0.000	0.000	0.000	0.000
ET	5.000	0.000	0.000	0.000	0.000	-7.400	0.000	0.000	0.000	0.000
X1	1850.000	15.000	358.000	377.000	1850.000	1850.000	1850.000	1850.000	0.000	-1.000
GR	273.900	0.000	265.700	100.000	260.700	200.000	258.900	300.000	257.700	358.000
GR	255.800	361.000	254.500	368.000	254.800	374.000	255.800	375.000	257.700	377.000
GR	257.200	400.000	258.600	500.000	264.800	600.000	272.200	700.000	273.500	715.000

LEGEND ROAD

X1	1900.000	15.000	365.000	395.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	273.900	0.000	267.500	100.000	263.200	200.000	261.500	300.000	261.600	365.000
GR	253.700	365.000	253.100	377.000	253.900	387.000	257.200	391.000	258.000	395.000
GR	261.600	395.000	261.600	400.000	263.100	500.000	267.900	600.000	273.500	683.000
SB	0.900	1.500	2.600	0.000	30.000	0.001	168.600	0.000	0.000	0.000
X1	1930.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	15.000	0.000	273.900	0.000	100.000	267.500	0.000	200.000	263.200	0.000
BT	300.000	261.500	0.000	365.000	261.600	0.000	365.000	261.600	259.900	377.000
BT	261.600	259.900	387.000	261.600	259.900	391.000	261.600	259.900	395.000	261.600
BT	259.900	395.000	261.600	0.000	400.000	261.600	0.000	500.000	263.100	0.000
BT	600.000	267.900	0.000	683.000	273.500	0.000	0.000	0.000	0.000	0.000

X1	1980.000	16.000	358.000	377.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	273.900	0.000	265.700	100.000	260.700	200.000	258.900	300.000	257.700	358.000
GR	255.800	361.000	254.800	362.000	254.500	368.000	257.700	374.000	255.800	375.000
GR	257.700	377.000	257.200	400.000	258.600	500.000	264.800	600.000	272.200	700.000
GR	273.500	715.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3050.000	19.000	567.000	588.000	1070.000	1070.000	1070.000	0.000	0.000	0.000
GR	278.000	0.000	274.400	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.000	0.000

OLD STAGE ROAD

X1	3100.000	21.000	544.000	586.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	278.200	0.000	274.700	100.000	271.400	200.000	269.700	300.000	268.000	400.000
GR	267.900	500.000	268.100	530.000	262.700	530.000	261.400	544.000	257.600	560.000
GR	256.500	569.000	257.600	577.000	261.100	586.000	262.000	590.000	268.100	590.000
GR	267.700	600.000	267.200	700.000	267.500	800.000	269.000	900.000	273.100	1000.000
GR	278.700	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	1.050	1.500	2.600	0.000	54.000	2.000	325.300	0.000	0.000	0.000

X1	3130.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	6.000	500.000	267.900	0.000	530.000	268.100	0.000	531.000	268.100	265.500
BT	590.000	268.100	265.500	591.000	268.100	0.000	600.000	267.700	0.000	0.000

X1	3180.000	19.000	567.000	588.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	278.000	0.000	274.400	100.000	270.100	200.000	267.400	300.000	266.700	400.000
GR	265.600	500.000	262.900	567.000	257.700	570.000	254.200	576.000	257.700	582.000
GR	258.400	585.000	263.100	588.000	263.400	600.000	262.400	700.000	263.300	800.000
GR	265.100	900.000	270.900	1000.000	272.000	1100.000	272.800	1140.000	0.000	0.000

X1	5510.000	24.000	640.000	660.000	2330.000	2330.000	2330.000	0.000	-0.500	0.000
GR	290.100	0.000	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	279.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	284.500	1000.000	283.500	1100.000	281.300	1200.000	303.800	1300.000
GR	303.800	1330.000	307.900	1400.000	316.100	1500.000	318.500	1535.000	0.000	0.000
ET	5.000	0.000	0.000	0.000	0.000	-10.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	496.340	907.320	0.000	0.000

GOVERNMENT ROAD

X1	5560.000	25.000	640.000	660.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	290.100	0.000	286.900	100.000	284.500	200.000	282.800	300.000	281.500	400.000
GR	280.000	500.000	279.000	600.000	279.200	636.000	275.400	636.000	274.900	640.000
GR	273.700	644.000	274.400	649.000	275.100	660.000	275.200	666.000	279.200	666.000
GR	278.900	700.000	279.200	800.000	280.000	900.000	281.500	1100.000	282.300	1200.000
GR	282.600	1300.000	283.000	1400.000	284.100	1500.000	286.600	1600.000	290.100	1690.000
GR	0.900	1.500	2.600	0.000	21.600	0.001	77.900	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	406.940	1082.110	0.000	0.000

X1	5590.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
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X1	10.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	6.000	600.000	279.000	0.000	636.000	279.200	0.000	637.000	279.200	1277.300
BT	666.000	279.200	277.300	667.000	279.200	0.000	700.000	278.900	0.000	0.000
NC	0.100	0.100	0.050	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	5.000	0.000	0.000	0.000	0.000	-10.400	0.000	0.000	0.000	0.000

X1	5640.000	18.000	640.000	660.000	50.000	50.000	50.000	0.000	0.500	0.000
GR	290.100	0.000	285.100	100.000	281.800	200.000	280.600	300.000	280.700	400.000
GR	278.500	500.000	278.300	600.000	274.900	640.000	274.100	642.000	273.700	644.000
GR	274.100	646.000	274.400	649.000	275.100	660.000	277.000	700.000	277.600	800.000
GR	279.800	900.000	286.000	1600.000	290.000	1675.000	281.300	1200.000	281.800	1300.000

SURVEYED SECTION FM TOWN MAY 80

X1	6150.000	17.000	1490.000	1510.000	510.000	510.000	510.000	0.000	0.000	0.000
GR	290.400	1050.000	285.400	1100.000	281.200	1150.000	278.400	1200.000	276.400	1250.000
GR	276.000	1300.000	276.500	1400.000	277.000	1450.000	277.000	1490.000	275.700	1500.000
GR	276.500	1510.000	277.200	1550.000	277.200	1622.000	279.400	1650.000	280.000	1700.000
GR	285.000	1720.000	290.000	1780.000	0.000	0.000	0.000	0.000	0.000	0.000

SURVEYED SECTION FM TOWN MAY 80

X1	6650.000	21.000	1390.000	1410.000	500.000	500.000	500.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	1425.000	282.000	0.000	0.000	0.000
GR	290.800	1000.000	288.700	1030.000	288.500	1050.000	286.100	1100.000	281.700	1150.000
GR	280.100	1200.000	278.500	1250.000	278.800	1350.000	278.800	1390.000	276.200	1400.000
GR	278.400	1410.000	281.500	1425.000	279.500	1430.000	277.900	1450.000	280.500	1500.000
GR	281.700	1550.000	282.300	1600.000	284.000	1700.000	285.000	1750.000	286.000	1765.000
GR	286.200	1800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SURVEYED SECTION FM TOWN MAY 80

X1	7150.000	18.000	1390.000	1410.000	500.000	500.000	500.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	1450.000	285.000	0.000	0.000	0.000
GR	292.500	1050.000	289.500	1100.000	290.000	1150.000	285.000	1200.000	280.800	1250.000
GR	281.200	1300.000	281.500	1350.000	280.000	1390.000	277.500	1400.000	280.000	1410.000
GR	284.000	1450.000	280.400	1500.000	280.800	1550.000	279.800	1575.000	282.700	1600.000
GR	281.900	1630.000	285.000	1645.000	290.000	1740.000	0.000	0.000	0.000	0.000
QT	5.000	525.000	825.000	1156.000	1900.000	1150.000	0.000	0.000	0.000	0.000

X1	7540.000	11.000	242.000	255.000	390.000	390.000	390.000	0.000	0.000	0.000
GR	295.000	0.000	290.000	40.000	285.000	110.000	284.000	242.000	279.500	248.000
GR	279.500	251.000	281.300	252.000	284.000	255.000	285.000	360.000	290.000	450.000
GR	295.000	500.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7630.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.200	0.000
X3	10.000	0.000	0.000	210.000	287.000	290.000	287.000	0.000	0.000	0.000

GREENBRIER ROAD

X1	7680.000	15.000	236.000	261.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	289.000	289.000	0.000
GR	295.800	0.000	293.600	50.000	291.700	100.000	290.700	150.000	288.800	200.000
GR	288.200	236.000	280.000	248.000	280.000	251.000	281.800	252.000	288.600	261.000
GR	289.800	300.000	290.400	350.000	291.700	400.000	293.700	450.000	294.700	500.000
SB	0.900	1.420	2.500	0.000	3.000	0.100	90.000	0.970	280.200	280.000

X1	7715.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	288.200	290.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	290.500	290.500	0.000
BT	14.000	0.000	295.500	0.000	50.000	293.900	0.000	100.000	292.700	0.000
BT	150.000	291.600	0.000	200.000	290.600	0.000	240.000	290.000	0.000	240.000
BT	290.500	288.200	259.000	290.500	288.200	259.000	290.000	0.000	300.000	290.400
BT	0.000	350.000	291.500	0.000	400.000	293.000	0.000	450.000	294.000	0.000
BT	500.000	295.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7760.000	13.000	236.000	260.000	45.000	45.000	45.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	210.000	290.500	290.000	290.500	0.000	0.000	0.000
GR	296.300	0.000	292.900	50.000	291.200	100.000	288.700	150.000	287.500	200.000
GR	286.100	236.000	280.400	248.000	280.400	251.000	284.800	260.000	287.000	300.000
GR	289.200	350.000	293.600	400.000	296.000	450.000	0.000	0.000	0.000	0.000

X1	7850.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.500	0.000
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SURVEYED SECTION FM TOWN AUG 1980

X1	8520.000	12.000	238.000	264.000	670.000	670.000	670.000	0.000	0.000	0.000
GR	302.000	50.000	297.200	100.000	292.000	150.000	290.200	200.000	290.200	238.000
GR	285.000	249.000	285.000	252.000	290.700	264.000	292.100	300.000	295.100	350.000
GR	298.000	400.000	304.600	450.000	0.000	0.000	0.000	0.000	0.000	0.000

SURVEYED SECTION 1975

X1	9300.000	13.000	1223.000	1245.000	780.000	780.000	780.000	0.000	0.000	0.000
GR	308.300	1000.000	304.800	1050.000	301.500	1100.000	299.300	1150.000	298.100	1200.000
GR	296.300	1223.000	291.300	1228.000	290.100	1231.000	291.100	1239.000	297.700	1245.000
GR	301.800	1300.000	303.700	1350.000	306.000	1400.000	0.000	0.000	0.000	0.000

X1	9500.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.200	0.000
X3	10.000	0.000	0.000	1200.000	300.000	1270.000	300.000	0.000	0.000	0.000

WINTERLOCHEN ROAD

X1	9550.000	21.000	1353.000	1357.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	302.000	302.000	0.000
GR	310.100	1000.000	309.600	1124.000	306.100	1174.000	302.900	1224.000	300.700	1274.000
GR	299.400	1324.000	297.700	1347.000	293.400	1353.000	291.700	1354.000	291.400	1355.000
GR	291.700	1356.000	293.400	1357.000	299.000	1369.000	303.200	1424.000	305.100	1474.000
GR	306.500	1506.000	307.200	1600.000	307.300	1610.000	309.000	1700.000	313.900	1800.000
GR	319.900	1900.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.900	1.500	2.500	0.000	3.200	0.010	12.570	0.000	298.100	295.100

X1	9640.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	6.700	0.000
X2	0.000	0.000	1.000	302.100	305.600	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	305.600	305.600	0.000
BT	15.000	310.100	1000.000	0.000	1100.000	310.800	0.000	1200.000	308.900	0.000
BT	1300.000	306.200	0.000	1353.000	305.600	300.100	1354.000	305.600	301.800	1355.000
BT	305.600	302.100	1356.000	305.600	301.800	1357.000	305.600	300.100	1400.000	1305.600
BT	0.000	1500.000	306.500	0.000	1600.000	307.200	0.000	1610.000	307.300	0.000
BT	1800.000	313.900	0.000	1900.000	319.900	0.000	0.000	0.000	0.000	0.000

X1	9690.000	13.000	1223.000	1245.000	50.000	50.000	50.000	0.000	8.500	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	305.600	305.600	0.000
GR	308.300	1000.000	304.800	1050.000	301.500	1100.000	299.300	1150.000	298.100	1200.000
GR	296.300	1223.000	291.300	1228.000	290.100	1231.000	291.100	1239.000	297.700	1245.000

OFFICE ELECTRONICS INC

GR	301.800	1300.000	303.700	1350.000	306.000	1400.000	0.000	0.000	0.000	0.000
X1	9890.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.900	0.000
X1	9920.000	12.000	978.000	992.000	30.000	30.000	30.000	0.000	-1.400	0.000
GR	323.100	500.000	317.100	600.000	311.400	700.000	310.700	800.000	307.300	978.000
GR	304.500	982.000	304.400	984.000	304.500	986.000	309.000	992.000	309.100	1000.000
GR	318.100	1100.000	323.100	1151.000	0.000	0.000	0.000	0.000	0.000	0.000

VESTA DRIVE

X1	9980.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	307.500	307.500	0.000
SR	1.000	2.750	2.500	150.000	2.000	0.010	9.600	0.200	304.500	304.000
X1	10050.000	0.000	0.000	0.000	70.000	70.000	70.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	307.900	311.600	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	311.600	311.600	0.000

UPPER STUDY LIMIT

X1	10100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.500	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

3442
1433

OFFICE ELECTRONICS, INC.

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FI

THIS RUN EXECUTED 11 AUG 80 12:03:36

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR = 01,02,03
MODIFICATION = 50,51,52,53

T1 TRIB 14 BASIN 20
T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	F0
	-10.	3.	0.	0.	0.006000	0.00	0.0	0.	260.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 2

CCHV= 0.100 CFHV= 0.300
*SECNO 1850.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
0	QLOB	QCH	QROR	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROR	XNL	XNCH	XNP	WTN	ELMIN	SSTA	
SLOPE	XL0BL	XLCH	XLORR	ITRIAL	IDC	ICONT	WORAR	TOPWD	ENDST	
1850.000	5.46	258.96	0.00	260.00	259.13	0.17	0.00	0.00	256.70	
1250.	211.	427.	612.	127.	86.	279.	0.	0.	256.70	
0.00	1.65	4.95	2.20	0.085	0.060	0.085	0.000	253.50	241.16	
0.006023	1850.	1850.	1850.	0	0	5	0.00	280.77	521.92	

*SECNO 1900.000

3301 HV CHANGED MORE THAN HVINS

3495 OVERRANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 261.60 ELREA= 261.60

LEGEND ROAD

1900.000	5.55	258.65	0.00	0.00	260.06	1.41	0.56	0.37	261.60
1250.	0.	1250.	0.	0.	131.	0.	0.	0.	261.60
0.00	0.00	9.53	0.00	0.085	0.060	0.085	0.059	253.10	365.00
0.027287	50.	50.	50.	3	0	0	0.00	30.00	395.00

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SO NOT SPECIFIED

SB	XK	XKOR	COFO	R0LEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.60	0.00	30.00	0.00	168.60	0.00	253.10	253.10

*SECNO 1930.000

THIS RUN EXECUTED 11 AUG 80 12103147

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 TRIA 14 BASIN 20
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	FG
	-10.	4.	0.	0.	0.006000	0.00	0.0	0.	261.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 3

CCHV= 0.100 CEHV= 0.300
*SECNO 1850.000

SECNO	DEPTH	CWSEL	CRISW	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
1850.000	5.73	259.23	0.00	261.00	259.41	0.18	0.00	0.00	256.70
1500.	234.	468.	748.	161.	91.	318.	0.	0.	256.70
0.00	1.77	5.12	2.35	0.085	0.060	0.085	0.000	253.50	226.27
0.005976	1850.	1850.	1850.	0	0	4	0.00	299.97	526.24

*SECNO 1900.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRISW	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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERRBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 261.60 ELREA= 261.60

LEGEND ROAD

1900.000	5.42	258.52	258.52	0.00	260.68	2.16	0.63	0.59	261.60
1500.	0.	1500.	0.	0.	127.	0.	0.	0.	261.60
0.00	0.00	11.79	0.00	0.085	0.060	0.085	0.059	253.10	365.00
0.043108	50.	50.	50.	4	11	0	0.00	30.00	395.00

THIS RUN EXECUTED 11 AUG 80 12:03:58

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

T1 TRIB 14 BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO. 6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.006000	0.00	0.0	0.	263.000	0.000

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 1850.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
1850.000	6.85	260.35	0.00	263.00	260.56	0.21	0.00	0.00	256.70	
2900.	7.81	6.60	1458.	336.	113.	496.	0.	0.	256.70	
0.00	2.33	5.86	2.94	0.085	0.060	0.085	0.000	253.50	187.02	
0.005913	1850.	1850.	1850.	0	0	4	0.00	357.32	544.34	

*SECNO 1900.000

3301 HV CHANGED MORE THAN HVINS

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 261.60 ELREA= 261.60

LEGEND ROAD

1900.000	7.79	260.89	260.89	0.00	264.21	3.32	0.63	0.93	261.60	
2900.	0.	2900.	0.	0.	198.	0.	1.	0.	261.60	
0.00	0.00	14.62	0.00	0.085	0.060	0.085	0.059	253.10	365.00	
0.043160	50.	50.	50.	20	8	0	0.00	30.00	395.00	

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
5640.000	279.61	129.71	269.28	301.01	0.72	2.91	0.85
5640.000	280.87	327.69	332.71	589.60	0.77	2.82	0.89
5640.000	281.46	433.38	343.77	722.85	0.72	2.65	0.84
5640.000	283.21	1050.31	441.75	1407.90	0.77	2.68	0.83
6150.000	279.90	469.12	76.83	154.05	0.48	1.04	0.41
6150.000	281.11	812.87	125.45	311.68	0.60	1.29	0.52
6150.000	281.67	965.88	145.49	388.63	0.62	1.34	0.55
6150.000	283.41	1829.75	259.49	810.76	0.84	1.81	0.76
6650.000	280.10	400.33	290.89	8.79	1.68	5.38	1.25
6650.000	281.33	854.08	370.39	25.53	1.72	4.71	1.23
6650.000	281.87	1060.26	403.04	36.70	1.70	4.50	1.27
6650.000	283.65	1958.68	564.57	376.75	1.83	4.52	0.97
7150.000	282.77	317.26	342.11	40.63	1.21	4.26	1.06
7150.000	283.45	650.96	514.18	84.86	1.73	5.47	1.43
7150.000	283.73	809.80	582.69	107.51	1.90	5.85	1.55
7150.000	285.08	1719.02	905.08	275.90	2.55	7.15	1.98
* 7540.000	285.20	112.05	323.78	89.17	1.21	6.44	1.21
7540.000	285.67	252.26	370.99	201.75	1.60	5.58	1.59
7540.000	286.08	406.34	416.68	326.97	1.87	6.75	1.85
7540.000	287.24	794.42	453.87	651.70	2.00	5.91	1.96
7630.000	286.04	93.85	332.54	98.61	1.70	5.67	1.68
7630.000	286.45	166.18	482.62	176.20	2.44	7.56	2.42
7630.000	286.79	249.23	635.02	265.75	3.15	9.29	3.13
* 7630.000	287.62	516.50	859.90	523.60	3.01	10.87	3.22
7680.000	286.16	0.00	525.00	0.00	0.00	8.19	0.00
* 7680.000	286.71	0.00	825.00	0.00	0.00	11.01	0.00
* 7680.000	287.78	0.00	1150.00	0.00	0.00	11.72	0.00
* 7680.000	290.38	212.28	1594.69	93.03	2.11	9.81	1.55
7715.000	286.20	0.00	525.00	0.00	0.00	8.60	0.00
7715.000	286.82	0.00	825.00	0.00	0.00	11.28	0.00
7715.000	289.82	0.00	1150.00	0.00	0.00	8.00	0.00
* 7715.000	291.85	377.63	1241.93	280.44	1.64	6.39	1.38
7760.000	287.57	16.92	446.35	61.73	0.67	3.78	1.05
7760.000	289.17	71.11	614.34	139.55	1.06	3.92	1.31
7760.000	290.93	147.31	770.90	231.79	1.01	3.88	1.24
7760.000	292.21	368.76	1083.19	448.06	1.12	4.72	1.39
7850.000	287.77	9.67	461.67	53.66	0.56	4.17	0.97
7850.000	289.35	89.94	567.42	167.63	0.81	3.81	1.07
7850.000	291.12	247.04	587.19	315.77	0.82	3.07	0.97
7850.000	292.44	516.00	807.09	576.92	1.06	3.62	1.21
8520.000	290.74	21.09	503.90	0.00	0.86	5.83	0.01
8520.000	291.29	86.28	735.60	3.12	1.49	7.30	0.70
8520.000	291.96	207.87	919.12	23.00	1.88	7.76	1.11
8520.000	293.40	573.77	1174.40	151.83	2.33	7.55	1.76

OFFICE ELECTRONIC

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OFFICE ELECTRONIC

THIS RUN EXECUTED 11 AUG 80 12:04:11

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORP - 01,02,03
MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC
1850.000	258.25	258.41	253.50	0.00
1850.000	258.96	259.13	253.50	0.00
1850.000	259.23	259.41	253.50	0.00
1850.000	260.35	260.56	253.50	0.00
1900.000	258.39	258.89	253.10	0.00
1900.000	258.65	260.06	253.10	0.00
* 1900.000	258.52	260.68	253.10	0.00
* 1900.000	260.89	264.21	253.10	0.00
1930.000	258.39	258.89	253.10	259.90
1930.000	258.65	260.06	253.10	259.90
1930.000	258.52	260.68	253.10	259.90
1930.000	267.47	264.21	253.10	259.90
1980.000	259.22	259.37	254.50	0.00
1980.000	260.48	260.56	254.50	0.00
1980.000	261.12	261.18	254.50	0.00
1980.000	264.32	264.36	254.50	0.00
3050.000	263.90	264.05	254.20	0.00
3050.000	264.44	264.65	254.20	0.00
3050.000	264.53	264.70	254.20	0.00
3050.000	265.63	265.89	254.20	0.00
3100.000	264.03	264.15	256.50	0.00
3100.000	264.55	264.87	256.50	0.00
3100.000	264.66	265.09	256.50	0.00
3100.000	265.31	266.58	256.50	0.00
3130.000	264.04	264.16	256.50	265.50
3130.000	264.57	264.08	256.50	265.50
3130.000	264.69	265.11	256.50	265.50
3130.000	266.18	267.16	256.50	265.50
3180.000	264.14	264.24	254.20	0.00
3180.000	264.93	265.04	254.20	0.00
3180.000	265.19	265.30	254.20	0.00
3180.000	267.31	267.37	254.20	0.00

OFFICE ELECTRONICS INC

THIS RUN EXECUTED 11 AUG 80 12:04:11

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC
1850.000	258.25	258.41	253.50	0.00
1850.000	258.96	259.13	253.50	0.00
1850.000	259.23	259.41	253.50	0.00
1850.000	260.35	260.56	253.50	0.00
1900.000	258.39	258.89	253.10	0.00
1900.000	258.65	260.06	253.10	0.00
* 1900.000	258.52	260.68	253.10	0.00
* 1900.000	260.89	264.21	253.10	0.00
1930.000	258.39	258.89	253.10	259.90
1930.000	258.65	260.06	253.10	259.90
1930.000	258.52	260.68	253.10	259.90
1930.000	263.47	264.21	253.10	259.90
1980.000	259.22	259.37	254.50	0.00
1980.000	260.48	260.56	254.50	0.00
1980.000	261.12	261.18	254.50	0.00
1980.000	264.32	264.36	254.50	0.00
3050.000	263.90	264.05	254.20	0.00
3050.000	264.44	264.65	254.20	0.00
3050.000	264.53	264.79	254.20	0.00
3050.000	265.63	265.89	254.20	0.00
3100.000	264.03	264.15	256.50	0.00
3100.000	264.55	264.87	256.50	0.00
3100.000	264.66	265.09	256.50	0.00
3100.000	265.31	266.58	256.50	0.00
3130.000	264.04	264.16	256.50	265.50
3130.000	264.57	264.88	256.50	265.50
3130.000	264.69	265.11	256.50	265.50
3130.000	266.18	267.16	256.50	265.50
3180.000	264.14	264.24	254.20	0.00
3180.000	264.93	265.04	254.20	0.00
3180.000	265.12	265.30	254.20	0.00
3180.000	267.31	267.37	254.20	0.00

OFFICE ELECTRONICS INC

SECNO	CWSEL	EG	ELMIN	ELLC
* 5510.000	276.75	277.41	273.20	0.00
* 5510.000	277.50	278.10	273.20	0.00
5510.000	277.70	276.34	273.20	0.00
* 5510.000	278.52	279.20	273.20	0.00
5560.000	277.76	278.87	273.70	0.00
* 5560.000	278.53	280.82	273.70	0.00
* 5560.000	280.05	280.68	273.70	0.00
* 5560.000	280.80	281.42	273.70	0.00
5590.000	278.77	279.41	273.70	277.30
5590.000	280.68	280.82	273.70	277.30
5590.000	281.37	281.44	273.70	277.30
5590.000	283.18	283.21	273.70	277.30
5640.000	279.61	279.67	274.20	0.00
5640.000	280.87	280.91	274.20	0.00
5640.000	281.46	281.49	274.20	0.00
5640.000	283.21	283.24	274.20	0.00
6150.000	279.90	279.90	275.70	0.00
6150.000	281.11	281.12	275.70	0.00
6150.000	281.67	281.67	275.70	0.00
6150.000	283.41	283.42	275.70	0.00
6650.000	280.10	280.31	276.20	0.00
6650.000	281.33	281.47	276.20	0.00
6650.000	281.87	281.99	276.20	0.00
6650.000	283.65	283.75	276.20	0.00
7150.000	282.77	282.92	277.50	0.00
7150.000	283.45	283.67	277.50	0.00
7150.000	283.73	283.97	277.50	0.00
7150.000	285.08	285.39	277.50	0.00
* 7540.000	285.20	285.61	279.50	0.00
7540.000	285.67	286.00	279.50	0.00
7540.000	286.08	286.37	279.50	0.00
7540.000	287.24	287.42	279.50	0.00
7630.000	286.04	286.38	279.70	0.00
7630.000	286.45	287.00	279.70	0.00
7630.000	286.79	287.60	279.70	0.00
* 7630.000	287.62	288.53	279.70	0.00
7680.000	286.16	287.20	280.00	0.00
* 7680.000	286.71	288.60	280.00	0.00
* 7680.000	287.78	289.91	280.00	0.00
* 7680.000	290.38	291.64	280.00	0.00
7715.000	286.20	287.35	280.20	288.20
7715.000	286.82	288.80	280.20	288.20
7715.000	289.82	290.82	280.20	288.20
* 7715.000	291.85	292.28	280.20	288.20

OFFICE ELECTRONICS

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SECNO	CWSEL	EG	ELMIN	ELLC
7760.000	287.57	287.76	280.40	0.00
7760.000	289.17	289.36	280.40	0.00
7760.000	290.93	291.10	280.40	0.00
7760.000	292.21	292.42	280.40	0.00
7850.000	287.77	288.01	280.90	0.00
7850.000	289.35	289.51	280.90	0.00
7850.000	291.12	291.20	280.90	0.00
7850.000	292.44	292.54	280.90	0.00
8520.000	290.74	291.25	285.00	0.00
8520.000	291.29	292.03	285.00	0.00
8520.000	291.96	292.72	285.00	0.00
8520.000	293.40	293.97	285.00	0.00
9300.000	296.59	297.08	290.10	0.00
9300.000	297.96	298.61	290.10	0.00
9300.000	298.73	299.60	290.10	0.00
9300.000	299.60	301.03	290.10	0.00
9500.000	297.87	298.34	291.30	0.00
9500.000	299.26	299.89	291.30	0.00
9500.000	300.25	301.01	291.30	0.00
9500.000	301.97	302.69	291.30	0.00
* 9550.000	300.14	304.23	291.40	0.00
* 9550.000	302.14	302.28	291.40	0.00
* 9550.000	302.29	302.53	291.40	0.00
9550.000	302.55	303.08	291.40	0.00
* 9640.000	305.72	306.85	298.10	302.10
* 9640.000	306.88	307.90	298.10	302.10
* 9640.000	307.63	308.56	298.10	302.10
* 9640.000	308.62	309.56	298.10	302.10
9690.000	307.04	307.24	298.60	0.00
9690.000	307.99	308.28	298.60	0.00
9690.000	308.57	308.96	298.60	0.00
9690.000	309.40	310.02	298.60	0.00
9890.000	307.47	307.87	300.50	0.00
9890.000	308.51	309.12	300.50	0.00
9890.000	309.19	310.03	300.50	0.00
9890.000	310.35	311.50	300.50	0.00
* 9920.000	307.74	308.41	303.00	0.00
9920.000	309.12	309.37	303.00	0.00
9920.000	310.18	310.31	303.00	0.00
9920.000	311.73	311.81	303.00	0.00
9980.000	307.74	308.41	303.00	0.00
9980.000	309.12	309.37	303.00	0.00
9980.000	310.18	310.31	303.00	0.00
9980.000	311.73	311.81	303.00	0.00

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OFFICE ELECTRONICS INC.

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SECNO	CWSEL	EG	ELMIN	ELLC
10050.000	312.68	312.69	303.50	307.90
10050.000	313.15	313.16	303.50	307.90
10050.000	313.61	313.62	303.50	307.90
10050.000	314.45	314.47	303.50	307.90
10100.000	312.68	312.69	304.00	0.00
10100.000	313.16	313.17	304.00	0.00
10100.000	313.62	313.63	304.00	0.00
10100.000	314.47	314.50	304.00	0.00

OFFICE ENGINEERING

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10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VRQB
1850.000	258.25	2.94	320.29	306.77	1.25	4.41	1.71
1850.000	258.96	210.64	427.00	612.36	1.65	4.95	2.20
1850.000	259.23	214.17	467.97	747.86	1.77	5.12	2.35
1850.000	260.35	781.33	660.42	1458.26	2.33	5.86	2.94
1900.000	258.39	0.00	700.00	0.00	0.00	5.67	0.00
1900.000	258.65	0.00	1250.00	0.00	0.00	9.53	0.00
* 1900.000	258.52	0.00	1500.00	0.00	0.00	11.79	0.00
* 1900.000	260.89	0.00	2900.00	0.00	0.00	14.62	0.00
1930.000	258.39	0.00	700.00	0.00	0.00	5.67	0.00
1930.000	258.65	0.00	1250.00	0.00	0.00	9.53	0.00
1930.000	258.52	0.00	1500.00	0.00	0.00	11.79	0.00
1930.000	263.47	507.87	2172.36	219.77	2.13	7.87	1.78
1980.000	259.22	78.64	284.24	337.11	1.40	4.38	1.92
1980.000	260.48	272.38	315.44	662.18	1.40	3.56	1.87
1980.000	261.12	395.99	317.22	786.79	1.34	3.15	1.73
1980.000	264.32	1110.28	364.52	1425.19	1.19	2.25	1.34
3050.000	263.90	7.29	488.94	203.77	0.58	3.67	0.91
3050.000	264.44	28.27	691.85	529.88	0.96	4.79	1.46
3050.000	264.53	37.10	800.97	661.93	1.13	5.47	1.71
3050.000	265.63	149.21	1031.40	1719.39	1.62	6.09	2.38
3100.000	264.03	26.84	664.22	8.94	0.97	2.85	0.90
3100.000	264.55	58.97	1173.33	17.70	1.68	4.60	1.47
3100.000	264.66	73.12	1405.29	21.58	2.00	5.41	1.74
3100.000	265.31	167.25	2687.61	45.13	3.66	9.36	3.00
3130.000	264.04	26.91	664.14	8.95	0.97	2.84	0.90
3130.000	264.57	59.36	1172.88	17.76	1.68	4.58	1.47
3130.000	264.69	73.86	1404.45	21.69	2.00	5.38	1.73
3130.000	266.18	194.25	2657.73	48.02	3.36	8.21	2.59
3180.000	264.14	10.86	440.62	248.52	0.57	3.19	0.88
3180.000	264.93	43.47	569.20	637.33	0.85	3.68	1.26
3180.000	265.19	61.82	619.27	818.91	0.94	3.86	1.39
3180.000	267.31	340.13	641.72	1918.15	0.98	3.13	1.49
* 5510.000	276.79	103.94	433.51	162.55	3.10	7.72	2.89
* 5510.000	277.50	195.74	592.76	461.50	3.46	8.42	3.04
5510.000	277.70	234.53	660.24	605.23	3.67	8.89	3.30
* 5510.000	278.52	584.86	920.99	1394.15	3.54	10.14	4.14
5560.000	277.76	42.08	589.83	58.08	4.02	8.99	4.34
* 5560.000	278.53	75.20	1050.88	123.92	5.55	12.98	6.10
* 5560.000	280.05	195.32	898.55	406.13	1.78	8.07	1.94
* 5560.000	280.80	586.08	1186.99	1126.93	2.49	9.40	2.61
5590.000	278.77	41.96	588.55	69.49	2.89	6.86	3.19
5590.000	280.68	241.50	540.75	467.74	1.13	4.36	1.19
5590.000	281.37	356.30	474.22	669.49	1.00	3.45	1.03
5590.000	283.18	849.04	466.54	1584.43	0.95	2.68	0.94

OFFICE ELECTRONICS INC.

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
5640.000	279.61	129.71	269.28	301.01	0.72	2.91	0.85
5640.000	280.87	327.69	332.71	589.60	0.77	2.82	0.89
5640.000	281.46	433.38	343.77	722.85	0.72	2.65	0.84
5640.000	283.21	1050.31	441.75	1407.94	0.77	2.68	0.83
6150.000	279.90	469.12	76.83	154.05	0.48	1.04	0.41
6150.000	281.11	812.87	125.15	311.68	0.60	1.29	0.52
6150.000	281.67	965.88	145.49	388.63	0.62	1.34	0.55
6150.000	283.41	1829.75	259.49	810.76	0.84	1.81	0.76
6650.000	280.10	400.33	290.89	8.79	1.68	5.38	1.25
6650.000	281.33	854.08	370.39	25.53	1.72	4.71	1.23
6650.000	281.87	1060.26	403.04	36.70	1.70	4.50	1.27
6650.000	283.65	1958.68	564.57	376.75	1.83	4.52	0.97
7150.000	282.77	317.26	342.11	40.63	1.21	4.26	1.06
7150.000	283.45	650.96	519.18	84.86	1.73	5.47	1.43
7150.000	283.73	809.80	582.69	107.51	1.90	5.85	1.55
7150.000	285.08	1719.02	905.08	275.90	2.55	7.15	1.98
* 7540.000	285.20	112.05	323.78	89.17	1.21	6.44	1.21
7540.000	285.67	252.26	370.99	201.75	1.60	6.58	1.59
7540.000	286.08	406.34	416.68	326.97	1.87	6.75	1.85
7540.000	287.24	794.42	453.87	651.70	2.00	5.91	1.96
7630.000	286.04	93.85	332.54	98.61	1.70	5.67	1.68
7630.000	286.45	166.18	482.62	176.20	2.44	7.56	2.42
7630.000	286.79	249.23	635.02	265.75	3.15	9.29	3.13
* 7630.000	287.62	516.50	859.90	523.60	3.01	10.87	3.22
7680.000	286.16	0.00	525.00	0.00	0.00	8.19	0.00
* 7680.000	286.71	0.00	825.00	0.00	0.00	11.01	0.00
* 7680.000	287.78	0.00	1150.00	0.00	0.00	11.72	0.00
* 7680.000	290.38	212.28	1594.69	93.03	2.11	9.81	1.55
7715.000	286.20	0.00	525.00	0.00	0.00	8.60	0.00
7715.000	286.82	0.00	825.00	0.00	0.00	11.28	0.00
7715.000	289.82	0.00	1150.00	0.00	0.00	8.00	0.00
* 7715.000	291.85	377.63	1241.93	280.44	1.64	6.39	1.38
7760.000	287.57	16.92	446.35	61.73	0.67	3.78	1.05
7760.000	289.17	71.31	614.34	139.55	1.06	3.92	1.31
7760.000	290.93	147.31	770.90	231.79	1.01	3.88	1.24
7760.000	292.21	368.76	1083.19	448.06	1.12	4.72	1.39
7850.000	287.77	9.67	461.67	53.66	0.56	4.17	0.97
7850.000	289.35	89.94	567.42	167.63	0.81	3.81	1.07
7850.000	291.12	247.04	587.19	315.77	0.82	3.07	0.97
7850.000	292.44	516.00	807.09	576.92	1.06	3.62	1.21
8520.000	290.74	21.09	503.90	0.00	0.86	5.83	0.01
8520.000	291.29	86.28	735.60	3.12	1.49	7.30	0.70
8520.000	291.96	207.87	919.12	23.00	1.88	7.76	1.11
8520.000	293.40	573.77	1174.40	151.83	2.33	7.55	1.76

OFFICE ELECTRONIC

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
9300.000	296.59	0.18	524.82	0.00	0.33	5.63	0.00
9300.000	297.96	18.68	806.18	0.14	1.06	6.56	0.31
9300.000	298.73	65.67	1078.37	5.96	1.51	7.71	0.83
9300.000	299.60	224.27	1638.60	37.14	2.22	10.31	1.54
9500.000	297.87	0.33	524.67	0.00	0.38	5.53	0.00
9500.000	299.26	21.25	803.41	0.33	1.07	6.42	0.37
9500.000	300.25	74.94	1063.99	11.07	1.64	7.25	0.91
9500.000	301.97	359.20	1437.25	103.55	1.87	7.79	1.64
* 9550.000	300.14	0.00	525.00	0.00	0.00	16.23	0.00
* 9550.000	302.14	379.19	215.62	230.19	1.52	5.34	1.69
* 9550.000	302.29	539.68	288.96	321.36	2.02	7.06	2.23
9550.000	302.55	922.24	445.29	532.47	3.09	10.59	3.34
* 9640.000	305.72	98.61	302.76	123.63	3.03	10.87	3.66
* 9640.000	306.88	233.00	371.36	220.65	3.02	11.42	3.87
* 9640.000	307.63	410.26	422.65	317.08	3.11	11.89	3.90
* 9640.000	308.62	844.07	526.89	529.03	3.73	13.34	4.25
9690.000	307.04	24.60	498.71	1.68	0.70	3.68	0.35
9690.000	307.99	90.30	720.29	14.40	0.97	4.60	0.67
9690.000	308.57	180.65	934.96	34.39	1.28	5.53	0.91
9690.000	309.40	421.79	1382.79	95.42	1.89	7.38	1.39
9890.000	307.47	2.07	522.93	0.00	0.34	5.05	0.00
9890.000	308.51	22.36	802.20	0.44	1.07	6.36	0.40
9890.000	309.19	69.82	1073.36	6.83	1.49	7.60	0.85
9890.000	310.35	280.12	1568.17	51.71	2.14	9.41	1.52
* 9920.000	307.74	164.32	360.40	0.27	1.86	7.83	0.38
9920.000	309.12	423.41	374.28	27.31	1.56	5.73	1.19
9920.000	310.18	717.76	370.87	61.37	1.41	4.63	1.13
9920.000	311.73	1351.11	412.92	135.97	1.39	4.05	1.11
9980.000	307.74	164.32	360.40	0.27	1.86	7.83	0.38
9980.000	309.12	423.45	374.24	27.32	1.56	5.73	1.19
9980.000	310.18	718.65	369.83	61.52	1.40	4.61	1.13
9980.000	311.73	1351.16	412.85	135.99	1.39	4.05	1.11
10050.000	312.68	380.31	104.79	39.89	0.34	0.97	0.27
10050.000	313.15	606.92	152.14	66.34	0.48	1.32	0.38
10050.000	313.61	854.54	198.40	97.06	0.61	1.64	0.47
10050.000	314.45	1432.00	294.16	173.85	0.84	2.21	0.65
10100.000	312.68	372.51	115.17	37.33	0.39	1.14	0.31
10100.000	313.16	597.13	165.37	62.50	0.54	1.53	0.43
10100.000	313.62	844.39	213.62	91.99	0.68	1.87	0.53
10100.000	314.47	1421.49	312.31	166.20	0.93	2.47	0.72

OFFICE ELECTRONICS INC.

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10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPKID
1850.000	258.25	280.77	358.00	377.00	510.42	229.65
1850.000	258.96	241.16	358.00	377.00	521.92	280.77
1850.000	259.23	226.27	358.00	377.00	526.24	299.97
1850.000	260.35	187.02	358.00	377.00	544.34	357.32
1900.000	258.39	365.00	365.00	395.00	395.00	30.00
1900.000	258.65	365.00	365.00	395.00	395.00	30.00
* 1900.000	258.52	365.00	365.00	395.00	395.00	30.00
* 1900.000	260.89	365.00	365.00	395.00	395.00	30.00
1930.000	258.39	365.00	365.00	395.00	395.00	30.00
1930.000	258.65	365.00	365.00	395.00	395.00	30.00
1930.000	258.52	365.00	365.00	395.00	395.00	30.00
1930.000	263.47	193.54	365.00	395.00	507.87	314.33
1980.000	259.22	282.26	358.00	377.00	509.99	227.72
1980.000	260.48	212.84	358.00	377.00	530.14	317.30
1980.000	261.12	191.81	358.00	377.00	540.48	348.67
1980.000	264.32	127.52	358.00	377.00	592.32	464.80
3050.000	263.90	542.12	567.00	588.00	833.47	291.34
3050.000	264.44	528.81	567.00	588.00	863.28	334.47
3050.000	264.53	526.66	567.00	588.00	868.10	341.45
3050.000	265.63	497.76	567.00	588.00	909.05	411.29
3100.000	264.03	530.00	544.00	586.00	590.00	60.00
3100.000	264.55	530.00	544.00	586.00	590.00	60.00
3100.000	264.66	530.00	544.00	586.00	590.00	60.00
3100.000	265.31	530.00	544.00	586.00	590.00	60.00
3130.000	264.04	530.00	544.00	586.00	590.00	60.00
3130.000	264.57	530.00	544.00	586.00	590.00	60.00
3130.000	264.69	530.00	544.00	586.00	590.00	60.00
3130.000	266.18	530.00	544.00	586.00	590.00	60.00
3180.000	264.14	536.28	567.00	588.00	846.56	310.20
3180.000	264.93	516.58	567.00	588.00	890.65	374.07
3180.000	265.19	510.01	567.00	588.00	901.66	391.65
3180.000	267.31	312.85	567.00	588.00	938.10	625.25
* 5510.000	276.79	611.93	640.00	660.00	747.71	135.79
* 5510.000	277.50	603.53	640.00	660.00	818.18	214.65
5510.000	277.70	601.23	640.00	660.00	827.07	225.84
* 5510.000	278.52	476.20	640.00	660.00	864.63	388.36
5560.000	277.76	636.00	640.00	660.00	666.00	30.00
* 5560.000	278.53	636.00	640.00	660.00	666.00	30.00
* 5560.000	280.05	496.37	640.00	660.00	907.25	410.88
* 5560.000	280.80	446.67	640.00	660.00	1006.66	559.98
5590.000	278.77	636.00	640.00	660.00	666.00	30.00
5590.000	280.68	454.21	640.00	660.00	991.58	537.37
5590.000	281.37	408.91	640.00	660.00	1082.19	673.28
5590.000	283.18	277.62	640.00	660.00	1416.40	1138.78

OFFICE OF THE ENGINEER

DEI

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
5640.000	279.61	472.20	640.00	660.00	868.71	396.50
5640.000	280.87	414.98	640.00	660.00	964.39	549.41
5640.000	281.46	270.10	640.00	660.00	1030.84	760.74
5640.000	283.21	172.30	640.00	660.00	1229.01	1056.71
6150.000	279.90	1173.16	1490.00	1510.00	1691.91	518.75
6150.000	281.11	1151.68	1490.00	1510.00	1704.42	552.75
6150.000	281.67	1144.46	1490.00	1510.00	1706.66	562.20
6150.000	283.41	1123.69	1490.00	1510.00	1713.64	589.95
6650.000	280.10	1199.89	1390.00	1410.00	1418.28	218.36
6650.000	281.33	1161.41	1390.00	1410.00	1424.20	262.79
6650.000	281.87	1147.97	1390.00	1410.00	1425.00	277.03
6650.000	283.65	1127.84	1390.00	1410.00	1679.40	551.55
7150.000	282.77	1226.64	1390.00	1410.00	1437.62	210.99
7150.000	283.45	1218.45	1390.00	1410.00	1444.50	226.05
7150.000	283.73	1215.12	1390.00	1410.00	1447.30	232.18
7150.000	285.08	1199.18	1390.00	1410.00	1646.55	447.37
* 7540.000	285.20	107.21	242.00	255.00	363.59	256.38
7540.000	285.67	100.61	242.00	255.00	372.08	271.47
7540.000	286.08	94.85	242.00	255.00	379.48	284.62
7540.000	287.24	78.63	242.00	255.00	400.33	321.70
7630.000	286.04	210.00	242.00	255.00	290.00	80.00
7630.000	286.45	210.00	242.00	255.00	290.00	80.00
7630.000	286.79	210.00	242.00	255.00	290.00	80.00
* 7630.000	287.62	96.44	242.00	255.00	377.43	280.99
7680.000	286.16	238.98	236.00	261.00	257.77	18.79
* 7680.000	286.71	238.17	236.00	261.00	258.50	20.33
* 7680.000	287.78	236.62	236.00	261.00	259.91	23.29
* 7680.000	290.38	158.45	236.00	261.00	348.26	189.81
7715.000	286.20	239.22	236.00	261.00	257.56	18.33
7715.000	286.82	238.31	236.00	261.00	258.39	20.08
7715.000	289.82	236.00	236.00	261.00	261.00	25.00
* 7715.000	291.85	102.52	236.00	261.00	398.06	295.54
7760.000	287.57	210.00	236.00	260.00	290.00	80.00
7760.000	289.17	210.00	236.00	260.00	290.00	80.00
7760.000	290.93	119.02	236.00	260.00	357.00	237.98
7760.000	292.21	70.42	236.00	260.00	377.51	307.09
7850.000	287.77	206.12	236.00	260.00	305.95	99.83
7850.000	289.35	147.04	236.00	260.00	342.00	194.96
7850.000	291.12	111.68	236.00	260.00	366.09	254.42
7850.000	292.44	78.03	236.00	260.00	381.22	303.19
8520.000	290.74	185.08	238.00	264.00	264.96	79.88
8520.000	291.29	169.71	238.00	264.00	279.18	109.47
8520.000	291.96	150.81	238.00	264.00	296.68	145.87
8520.000	293.40	136.53	238.00	264.00	321.69	185.16

OFFICE ELECTRONICS INC.

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
9300.000	296.59	1219.27	1223.00	1245.00	1243.99	24.72
9300.000	297.96	1201.79	1223.00	1245.00	1248.49	46.70
9300.000	298.73	1173.65	1223.00	1245.00	1258.85	85.20
9300.000	299.60	1143.22	1223.00	1245.00	1270.47	127.25
9500.000	297.87	1218.29	1223.00	1245.00	1244.06	25.78
9500.000	299.26	1200.45	1223.00	1245.00	1249.90	49.45
9500.000	300.25	1175.03	1223.00	1245.00	1263.10	88.07
9500.000	301.97	1116.70	1223.00	1245.00	1286.12	169.42
* 9550.000	300.14	1353.00	1353.00	1357.00	1357.00	4.00
* 9550.000	302.14	1241.27	1353.00	1357.00	1410.12	168.85
* 9550.000	302.29	1237.89	1353.00	1357.00	1412.07	174.17
9550.000	302.55	1231.76	1353.00	1357.00	1415.60	183.83
* 9640.000	305.72	1329.19	1353.00	1357.00	1369.22	40.03
* 9640.000	306.88	1293.91	1353.00	1357.00	1384.48	90.58
* 9640.000	307.63	1268.67	1353.00	1357.00	1394.33	125.66
* 9640.000	308.62	1246.25	1353.00	1357.00	1407.25	161.01
9690.000	307.04	1181.57	1223.00	1245.00	1256.30	74.73
9690.000	307.99	1145.57	1223.00	1245.00	1269.08	123.52
9690.000	308.57	1132.55	1223.00	1245.00	1276.77	144.22
9690.000	309.40	1113.73	1223.00	1245.00	1287.87	174.14
9890.000	307.47	1213.10	1223.00	1245.00	1244.43	31.33
9890.000	308.51	1199.73	1223.00	1245.00	1250.45	50.72
9890.000	309.19	1171.04	1223.00	1245.00	1259.69	88.65
9890.000	310.35	1135.20	1223.00	1245.00	1275.20	140.00
* 9920.000	307.74	881.78	978.00	992.00	1000.42	118.64
9920.000	309.12	809.62	978.00	992.00	1015.74	206.11
9920.000	310.18	696.99	978.00	992.00	1027.46	330.48
9920.000	311.73	669.62	978.00	992.00	1044.80	375.17
9980.000	307.74	881.78	978.00	992.00	1000.42	118.64
9980.000	309.12	809.60	978.00	992.00	1015.74	206.14
9980.000	310.18	696.83	978.00	992.00	1027.56	330.73
9980.000	311.73	669.61	978.00	992.00	1044.80	375.20
10050.000	312.68	661.66	978.00	992.00	1049.84	388.17
10050.000	313.15	653.30	978.00	992.00	1055.14	401.84
10050.000	313.61	645.41	978.00	992.00	1060.13	414.72
10050.000	314.45	630.65	978.00	992.00	1069.48	438.82
10100.000	312.68	670.44	978.00	992.00	1044.28	373.84
10100.000	313.16	662.08	978.00	992.00	1049.57	387.49
10100.000	313.62	654.11	978.00	992.00	1054.62	400.51
10100.000	314.47	639.14	978.00	992.00	1064.10	424.96

OFFICE ELECTRONIC INC

DEI

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT TABLE, 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*8	VCH	AREA	.01K
1850.000	1850.00	0.00	0.00	253.50	700.00	258.25	0.00	258.41	59.91	4.41	310.15	90.43
1850.000	1850.00	0.00	0.00	253.50	1250.00	258.96	0.00	259.13	60.23	4.95	492.15	161.07
1850.000	1850.00	0.00	0.00	253.50	1500.00	259.23	0.00	259.41	59.76	5.12	569.93	194.05
1850.000	1850.00	0.00	0.00	253.50	2900.00	260.35	0.00	260.56	59.13	5.86	944.16	377.14
1900.000	50.00	0.00	0.00	253.10	700.00	258.39	0.00	258.89	102.89	5.67	123.44	69.01
1900.000	50.00	0.00	0.00	253.10	1250.00	258.65	0.00	260.06	272.87	9.53	131.20	75.67
* 1900.000	50.00	0.00	0.00	253.10	1500.00	258.52	258.52	260.68	431.08	11.79	127.23	72.25
* 1900.000	50.00	0.00	0.00	253.10	2900.00	260.89	260.89	264.21	431.60	14.62	198.31	139.59
1930.000	30.00	261.50	259.90	253.10	700.00	258.39	0.00	258.89	102.92	5.67	123.43	69.00
1930.000	30.00	261.50	259.90	253.10	1250.00	258.65	0.00	260.06	273.07	9.53	131.16	75.64
1930.000	30.00	261.50	259.90	253.10	1500.00	258.52	0.00	260.69	430.91	11.79	127.25	72.26
1930.000	30.00	261.50	259.90	253.10	2900.00	263.47	0.00	264.21	84.23	7.87	638.58	315.98
1980.000	50.00	0.00	0.00	254.50	700.00	259.22	0.00	259.37	77.10	4.38	296.72	79.72
1980.000	50.00	0.00	0.00	254.50	1250.00	260.48	0.00	260.56	33.57	3.56	637.27	215.74
1980.000	50.00	0.00	0.00	254.50	1500.00	261.12	0.00	261.18	22.10	3.15	852.32	319.05
1980.000	50.00	0.00	0.00	254.50	2900.00	264.32	0.00	264.36	6.02	2.25	2159.69	1182.24
3050.000	1070.00	0.00	0.00	254.20	700.00	263.90	0.00	264.05	28.14	3.67	369.12	131.95
3050.000	1070.00	0.00	0.00	254.20	1250.00	264.44	0.00	264.65	42.99	4.79	537.01	190.65
3050.000	1070.00	0.00	0.00	254.20	1500.00	264.53	0.00	264.79	55.26	5.47	566.35	201.79
3050.000	1070.00	0.00	0.00	254.20	2900.00	265.63	0.00	265.89	56.24	6.09	984.81	386.70
3100.000	50.00	0.00	0.00	256.50	700.00	264.03	0.00	264.15	13.96	2.85	270.99	107.35
3100.000	50.00	0.00	0.00	256.50	1250.00	264.55	0.00	264.87	32.27	4.60	302.39	122.05
3100.000	50.00	0.00	0.00	256.50	1500.00	264.66	0.00	265.09	43.78	5.41	308.54	126.71
3100.000	50.00	0.00	0.00	256.50	2900.00	265.31	0.00	266.58	114.45	9.36	347.85	171.07
3130.000	30.00	267.70	265.50	256.50	700.00	264.04	0.00	264.16	13.91	2.84	271.32	107.69
3130.000	30.00	267.70	265.50	256.50	1250.00	264.57	0.00	264.88	31.89	4.58	303.60	121.35
3130.000	30.00	267.70	265.50	256.50	1500.00	264.69	0.00	265.11	42.96	5.38	310.50	128.85
3130.000	30.00	267.70	265.50	256.50	2900.00	266.18	0.00	267.16	74.99	8.21	400.21	154.90
3180.000	50.00	0.00	0.00	254.20	700.00	264.14	0.00	264.24	20.24	3.19	439.99	155.60
3180.000	50.00	0.00	0.00	254.20	1250.00	264.23	0.00	265.04	23.11	3.68	711.55	260.04
3180.000	50.00	0.00	0.00	254.20	1500.00	265.19	0.00	265.30	24.32	3.86	813.26	304.19
3180.000	50.00	0.00	0.00	254.20	2900.00	267.31	0.00	267.37	11.57	3.13	1841.26	892.67
* 5510.000	2330.00	0.00	0.00	273.20	700.00	276.79	276.79	277.41	250.14	7.72	145.90	44.26
* 5510.000	2330.00	0.00	0.00	273.20	1250.00	277.50	277.50	278.10	219.74	8.42	278.56	84.33
5510.000	2330.00	0.00	0.00	273.20	1500.00	277.70	277.67	278.34	227.67	8.89	321.62	99.41
* 5510.000	2330.00	0.00	0.00	273.20	2900.00	278.52	278.52	279.20	226.81	10.14	593.11	192.56
5560.000	50.00	0.00	0.00	273.70	700.00	277.76	0.00	278.87	274.94	8.99	91.74	42.22
* 5560.000	50.00	0.00	0.00	273.70	1250.00	278.53	278.53	280.82	432.19	12.98	114.84	60.13
* 5560.000	50.00	0.00	0.00	273.70	1500.00	280.05	280.05	280.68	109.23	8.07	430.55	143.53
* 5560.000	50.00	0.00	0.00	273.70	2900.00	280.80	280.80	281.42	125.39	9.40	792.45	258.98
5590.000	30.00	278.90	277.30	273.70	700.00	278.77	0.00	279.41	111.71	6.86	122.10	66.23
5590.000	30.00	278.90	277.30	273.70	1250.00	280.68	0.00	280.82	27.64	4.36	730.41	237.77
5590.000	30.00	278.90	277.30	273.70	1500.00	281.37	0.00	281.44	15.03	3.45	1141.76	386.91
5590.000	30.00	278.90	277.30	273.70	2900.00	283.18	0.00	283.21	6.67	2.68	2757.69	1122.97

CENTRE ELECTRONICS INC.

SECNO	XLCH	ELTRD	ELLC	ELMTN	O	CWSEL	CRWS	EG	10K*8	VCH	AREA	.01K
5640.000	50.00	0.00	0.00	274.20	700.00	279.61	0.00	279.67	12.62	2.91	628.29	197.08
5640.000	50.00	0.00	0.00	274.20	1250.00	280.87	0.00	280.91	8.64	2.82	1210.40	425.23
5640.000	50.00	0.00	0.00	274.20	1500.00	281.46	0.00	281.49	6.72	2.65	1595.88	579.81
5640.000	50.00	0.00	0.00	274.20	2900.00	283.21	0.00	283.24	4.99	2.68	3211.31	1298.56
6150.000	510.00	0.00	0.00	275.70	700.00	279.90	0.00	279.90	2.19	1.04	1415.22	472.77
6150.000	510.00	0.00	0.00	275.70	1250.00	281.11	0.00	281.12	2.28	1.29	2064.06	828.68
6150.000	510.00	0.00	0.00	275.70	1500.00	281.67	0.00	281.67	2.13	1.34	2375.93	1027.34
6150.000	510.00	0.00	0.00	275.70	2900.00	283.41	0.00	283.42	2.68	1.81	3380.94	1770.40
6650.000	500.00	0.00	0.00	276.20	700.00	280.10	0.00	280.31	90.32	5.38	298.78	73.66
6650.000	500.00	0.00	0.00	276.20	1250.00	281.33	0.00	281.47	41.91	4.71	595.02	193.09
6650.000	500.00	0.00	0.00	276.20	1500.00	281.87	0.00	281.99	32.23	4.50	742.68	264.24
6650.000	500.00	0.00	0.00	276.20	2900.00	283.65	0.00	283.75	20.83	4.52	1585.80	635.42
7150.000	500.00	0.00	0.00	277.50	700.00	282.77	0.00	282.92	33.60	4.26	380.89	120.77
7150.000	500.00	0.00	0.00	277.50	1250.00	283.45	0.00	283.67	44.79	5.47	530.85	186.77
7150.000	500.00	0.00	0.00	277.50	1500.00	283.73	0.00	283.97	47.44	5.85	594.92	217.77
7150.000	500.00	0.00	0.00	277.50	2900.00	285.08	0.00	285.19	51.40	7.15	939.00	404.50
* 7540.000	390.00	0.00	0.00	279.50	525.00	285.20	285.20	285.61	107.36	6.44	216.60	50.67
7540.000	390.00	0.00	0.00	279.50	825.00	285.67	0.00	286.00	96.01	6.58	341.11	84.20
7540.000	390.00	0.00	0.00	279.50	1150.00	286.08	0.00	286.37	89.56	6.75	455.37	121.51
7540.000	390.00	0.00	0.00	279.50	1900.00	287.24	0.00	287.42	51.32	5.91	806.59	265.22
7630.000	90.00	0.00	0.00	279.70	525.00	286.04	0.00	286.38	67.64	5.67	172.57	63.83
7630.000	90.00	0.00	0.00	279.70	825.00	286.45	0.00	287.00	107.22	7.56	204.70	79.68
7630.000	90.00	0.00	0.00	279.70	1150.00	286.79	0.00	287.60	148.02	9.29	232.31	94.52
* 7630.000	90.00	0.00	0.00	279.70	1900.00	287.62	287.62	288.53	166.73	10.87	413.48	147.14
* 7680.000	50.00	0.00	0.00	280.00	525.00	286.16	0.00	287.20	195.76	8.19	64.13	37.52
* 7680.000	50.00	0.00	0.00	280.00	825.00	286.71	286.71	288.60	319.55	11.01	74.92	46.15
* 7680.000	50.00	0.00	0.00	280.00	1150.00	287.78	287.78	289.91	303.03	11.72	98.09	66.06
* 7680.000	50.00	0.00	0.00	280.00	1900.00	290.38	290.38	291.64	118.88	9.81	322.99	174.26
7715.000	35.00	290.50	288.20	280.20	525.00	286.20	0.00	287.35	222.88	8.60	61.08	35.17
7715.000	35.00	290.50	288.20	280.20	825.00	286.82	0.00	288.80	341.00	11.28	73.12	44.68
7715.000	35.00	290.50	288.20	280.20	1150.00	289.82	0.00	290.82	93.14	8.00	143.77	119.16
* 7715.000	35.00	290.50	288.20	280.20	1900.00	291.85	0.00	292.28	39.78	6.39	628.28	301.26
7760.000	45.00	0.00	0.00	280.40	525.00	287.57	0.00	287.76	21.76	3.78	201.95	112.55
7760.000	45.00	0.00	0.00	280.40	825.00	289.17	0.00	289.36	16.14	3.92	329.99	205.38
7760.000	45.00	0.00	0.00	280.40	1150.00	290.93	0.00	291.10	11.47	3.88	530.89	339.50
7760.000	45.00	0.00	0.00	280.40	1900.00	292.21	0.00	292.42	14.07	4.72	843.18	506.51
7850.000	90.00	0.00	0.00	280.90	525.00	287.77	0.00	288.01	28.99	4.17	183.31	97.51
7850.000	90.00	0.00	0.00	280.90	825.00	289.35	0.00	289.51	16.35	3.81	416.83	204.05
7850.000	90.00	0.00	0.00	280.90	1150.00	291.12	0.00	291.20	7.58	3.07	816.94	417.60
7850.000	90.00	0.00	0.00	280.90	1900.00	292.44	0.00	292.54	8.56	3.62	1185.96	649.39
8520.000	670.00	0.00	0.00	285.00	525.00	290.74	0.00	291.25	87.67	5.83	110.81	56.07
8520.000	670.00	0.00	0.00	285.00	825.00	291.29	290.91	292.03	111.81	7.30	163.18	78.02
8520.000	670.00	0.00	0.00	285.00	1150.00	291.96	0.00	292.72	101.79	7.76	250.06	113.98
8520.000	670.00	0.00	0.00	285.00	1900.00	293.40	0.00	293.97	66.88	7.55	487.94	232.33

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OFFICE ELECTRONICS

FBI

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRJWS	EG	10K+S	VCH	AREA	.01K
9300.000	780.00	0.00	0.00	290.10	525.00	296.59	0.00	297.08	64.52	5.63	93.83	65.36
9300.000	780.00	0.00	0.00	290.10	825.00	297.96	0.00	298.61	65.61	6.56	140.89	101.85
9300.000	780.00	0.00	0.00	290.10	1150.00	298.73	0.00	299.60	76.23	7.71	190.54	131.72
9300.000	780.00	0.00	0.00	290.10	1900.00	299.60	299.40	301.03	114.96	10.31	284.15	177.20
9500.000	200.00	0.00	0.00	291.30	525.00	297.87	0.00	298.34	61.23	5.53	95.77	67.09
9500.000	200.00	0.00	0.00	291.30	825.00	299.26	0.00	299.89	61.24	6.42	145.93	105.42
9500.000	200.00	0.00	0.00	291.30	1150.00	300.25	0.00	301.01	63.08	7.25	204.67	144.79
9500.000	200.00	0.00	0.00	291.30	1900.00	301.97	0.00	302.69	53.69	7.79	439.70	259.31
* 9550.000	50.00	0.00	0.00	291.40	525.00	300.14	300.14	304.23	317.44	16.23	32.36	29.47
* 9550.000	50.00	0.00	0.00	291.40	825.00	302.14	302.14	302.28	25.63	5.34	426.40	162.97
* 9550.000	50.00	0.00	0.00	291.40	1150.00	302.29	302.29	302.53	43.84	7.06	451.87	173.69
* 9550.000	50.00	0.00	0.00	291.40	1900.00	302.55	0.00	303.08	95.46	10.59	500.15	194.47
* 9640.000	90.00	305.60	302.10	298.10	525.00	305.72	305.72	306.85	173.71	10.37	94.19	39.83
* 9640.000	90.00	305.60	302.10	298.10	825.00	306.88	306.78	307.90	156.02	11.42	166.58	66.05
* 9640.000	90.00	305.60	302.10	298.10	1150.00	307.63	0.00	308.56	150.49	11.89	248.86	93.74
* 9640.000	90.00	305.60	302.10	298.10	1900.00	308.62	0.00	309.56	164.64	13.34	390.28	148.08
9690.000	50.00	0.00	0.00	298.60	525.00	307.04	0.00	307.24	18.04	3.68	175.34	123.61
9690.000	50.00	0.00	0.00	298.60	825.00	307.99	0.00	308.28	23.31	4.60	271.18	170.88
9690.000	50.00	0.00	0.00	298.60	1150.00	308.57	0.00	308.96	30.34	5.53	347.87	208.78
9690.000	50.00	0.00	0.00	298.60	1900.00	309.40	0.00	310.02	47.20	7.38	479.67	276.56
9890.000	200.00	0.00	0.00	300.50	525.00	307.47	0.00	307.87	46.80	5.05	107.37	76.74
9890.000	200.00	0.00	0.00	300.50	825.00	308.51	0.00	309.12	59.60	6.36	148.00	106.86
9890.000	200.00	0.00	0.00	300.50	1150.00	309.19	0.00	310.03	73.09	7.60	195.99	134.51
9890.000	200.00	0.00	0.00	300.50	1900.00	310.35	309.80	311.50	89.82	9.41	331.28	200.48
* 9920.000	30.00	0.00	0.00	303.00	525.00	307.74	307.74	308.41	175.11	7.83	135.16	39.67
* 9920.000	30.00	0.00	0.00	303.00	825.00	309.12	0.00	309.37	58.79	5.73	358.96	107.59
* 9920.000	30.00	0.00	0.00	303.00	1150.00	310.18	0.00	310.31	29.25	4.63	644.44	212.63
* 9920.000	30.00	0.00	0.00	303.00	1900.00	311.73	0.00	311.81	16.23	4.05	1194.77	471.57
9980.000	1.00	0.00	0.00	303.00	525.00	307.74	307.71	308.41	175.11	7.83	135.16	39.67
9980.000	1.00	0.00	0.00	303.00	825.00	309.12	0.00	309.37	58.76	5.73	359.05	107.63
9980.000	1.00	0.00	0.00	303.00	1150.00	310.18	0.00	310.31	28.93	4.61	647.44	213.79
9980.000	1.00	0.00	0.00	303.00	1900.00	311.73	0.00	311.81	16.22	4.05	1195.06	471.72
10050.000	70.00	311.60	307.90	303.50	525.00	312.68	0.00	312.69	0.85	0.97	1367.89	567.84
10050.000	70.00	311.60	307.90	303.50	825.00	313.15	0.00	313.16	1.48	1.32	1556.31	679.09
10050.000	70.00	311.60	307.90	303.50	1150.00	313.61	0.00	313.62	2.10	1.64	1739.79	793.30
10050.000	70.00	311.60	307.90	303.50	1900.00	314.45	0.00	314.47	3.39	2.21	2098.82	1031.67
10100.000	50.00	0.00	0.00	304.00	525.00	312.68	0.00	312.69	1.29	1.14	1177.33	462.21
10100.000	50.00	0.00	0.00	304.00	825.00	313.16	0.00	313.17	2.15	1.53	1358.67	552.56
10100.000	50.00	0.00	0.00	304.00	1150.00	313.62	0.00	313.63	2.97	1.87	1537.68	667.81
10100.000	50.00	0.00	0.00	304.00	1900.00	314.47	0.00	314.50	4.55	2.47	1889.85	890.65

OFFICE ELECTRONICS INC.

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10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT TABLE 150

SECNO	N	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1850.000	700.00	258.25	0.00	0.00	0.25	229.65	1850.00
1850.000	1250.00	258.96	0.71	0.00	-1.04	280.77	1850.00
1850.000	1500.00	259.23	0.27	0.00	-1.77	299.97	1850.00
1850.000	2900.00	260.35	1.12	0.00	-2.65	357.32	1850.00
1900.000	700.00	258.39	0.00	0.15	0.00	30.00	50.00
1900.000	1250.00	258.65	0.26	-0.31	0.00	30.00	50.00
* 1900.000	1500.00	258.52	-0.13	-0.71	0.00	30.00	50.00
* 1900.000	2900.00	260.89	2.37	0.54	0.00	30.00	50.00
1930.000	700.00	258.39	0.00	0.00	0.00	30.00	30.00
1930.000	1250.00	258.65	0.26	0.00	0.00	30.00	30.00
1930.000	1500.00	258.52	-0.13	0.00	0.00	30.00	30.00
1930.000	2900.00	263.47	4.95	2.58	0.00	314.33	30.00
1980.000	700.00	259.22	0.00	0.83	0.00	227.72	50.00
1980.000	1250.00	260.48	1.26	1.83	0.00	317.30	50.00
1980.000	1500.00	261.12	0.64	2.60	0.00	348.67	50.00
1980.000	2900.00	264.32	3.21	0.85	0.00	464.80	50.00
3050.000	700.00	263.90	0.00	4.68	0.00	291.34	1070.00
3050.000	1250.00	264.44	0.54	3.96	0.00	334.47	1070.00
3050.000	1500.00	264.53	0.09	3.41	0.00	341.45	1070.00
3050.000	2900.00	265.63	1.10	1.30	0.00	411.29	1070.00
3100.000	700.00	264.03	0.00	0.13	0.00	60.00	50.00
3100.000	1250.00	264.55	0.52	0.12	0.00	60.00	50.00
3100.000	1500.00	264.66	0.10	0.13	0.00	60.00	50.00
3100.000	2900.00	265.31	0.65	-0.32	0.00	60.00	50.00
3130.000	700.00	264.04	0.00	0.01	0.00	60.00	30.00
3130.000	1250.00	264.57	0.54	0.02	0.00	60.00	30.00
3130.000	1500.00	264.69	0.12	0.03	0.00	60.00	30.00
3130.000	2900.00	266.18	1.49	0.88	0.00	60.00	30.00
3180.000	700.00	264.14	0.00	0.10	0.00	310.28	50.00
3180.000	1250.00	264.93	0.79	0.35	0.00	374.07	50.00
3180.000	1500.00	265.19	0.26	0.50	0.00	391.65	50.00
3180.000	2900.00	267.31	2.12	1.12	0.00	625.25	50.00
* 5510.000	700.00	276.79	0.00	12.65	0.00	135.79	2330.00
* 5510.000	1250.00	277.50	0.71	12.57	0.00	214.65	2330.00
5510.000	1500.00	277.70	0.20	12.50	0.00	225.84	2330.00
* 5510.000	2900.00	278.52	0.83	11.21	0.00	388.36	2330.00
5560.000	700.00	277.76	0.00	0.98	0.00	30.00	50.00
* 5560.000	1250.00	278.53	0.77	1.03	0.00	30.00	50.00
* 5560.000	1500.00	280.05	1.52	2.36	0.00	410.88	50.00
* 5560.000	2900.00	280.80	0.75	2.28	0.00	559.98	50.00
5590.000	700.00	278.77	0.00	1.01	0.00	30.00	30.00
5590.000	1250.00	280.68	1.91	2.14	0.00	537.37	30.00
5590.000	1500.00	281.37	0.69	1.31	0.00	673.28	30.00
5590.000	2900.00	283.18	1.81	2.38	0.00	1138.78	30.00

OFFICE ELECTRONICS INC

DEI

SECNO	D	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5640.000	700.00	279.61	0.00	0.84	0.00	396.50	50.00
5640.000	1250.00	280.87	1.26	0.19	0.00	549.41	50.00
5640.000	1500.00	281.46	0.59	0.09	0.00	760.74	50.00
5640.000	2900.00	283.21	1.76	0.03	0.00	1056.71	50.00
6150.000	700.00	279.90	0.00	0.29	0.00	518.75	510.00
6150.000	1250.00	281.11	1.22	0.24	0.00	552.75	510.00
6150.000	1500.00	281.67	0.55	0.21	0.00	562.20	510.00
6150.000	2900.00	283.41	1.74	0.20	0.00	589.95	510.00
6650.000	700.00	280.10	0.00	0.20	0.00	218.36	500.00
6650.000	1250.00	281.33	1.23	0.22	0.00	262.79	500.00
6650.000	1500.00	281.87	0.54	0.20	0.00	277.03	500.00
6650.000	2900.00	283.65	1.78	0.24	0.00	551.55	500.00
7150.000	700.00	282.77	0.00	2.67	0.00	210.99	500.00
7150.000	1250.00	283.45	0.68	2.12	0.00	226.05	500.00
7150.000	1500.00	283.73	0.28	1.86	0.00	232.18	500.00
7150.000	2900.00	285.08	1.34	1.43	0.00	447.37	500.00
* 7540.000	525.00	285.20	0.00	2.43	0.00	256.38	390.00
7540.000	825.00	285.67	0.47	2.22	0.00	271.47	390.00
7540.000	1150.00	286.08	0.41	2.35	0.00	284.62	390.00
7540.000	1900.00	287.24	1.16	2.17	0.00	321.70	390.00
7630.000	525.00	286.04	0.00	0.85	0.00	80.00	90.00
7630.000	825.00	286.45	0.40	0.77	0.00	80.00	90.00
7630.000	1150.00	286.79	0.35	0.71	0.00	80.00	90.00
* 7630.000	1900.00	287.62	0.83	0.38	0.00	280.99	90.00
7680.000	525.00	286.16	0.00	0.11	0.00	18.79	50.00
* 7680.000	825.00	286.71	0.56	0.27	0.00	20.33	50.00
* 7680.000	1150.00	287.78	1.06	0.98	0.00	23.29	50.00
* 7680.000	1900.00	290.38	2.60	2.76	0.00	189.81	50.00
7715.000	525.00	286.20	0.00	0.04	0.00	18.33	35.00
7715.000	825.00	286.82	0.63	0.11	0.00	20.08	35.00
7715.000	1150.00	289.82	3.00	2.05	0.00	25.00	35.00
* 7715.000	1900.00	291.85	2.02	1.47	0.00	295.54	35.00
7760.000	525.00	287.57	0.00	1.38	0.00	80.00	45.00
7760.000	825.00	289.17	1.60	2.35	0.00	80.00	45.00
7760.000	1150.00	290.93	1.76	1.11	0.00	237.98	45.00
7760.000	1900.00	292.21	1.28	0.36	0.00	307.09	45.00
7850.000	525.00	287.77	0.00	0.20	0.00	99.83	90.00
7850.000	825.00	289.35	1.58	0.17	0.00	194.96	90.00
7850.000	1150.00	291.12	1.77	0.18	0.00	254.42	90.00
7850.000	1900.00	292.44	1.33	0.23	0.00	303.19	90.00
8520.000	525.00	290.74	0.00	2.97	0.00	79.88	670.00
8520.000	825.00	291.29	0.55	1.94	0.00	109.47	670.00
8520.000	1150.00	291.96	0.67	0.85	0.00	145.87	670.00
8520.000	1900.00	293.40	1.43	0.96	0.00	185.16	670.00

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OFFICE ELECTRONICS INC

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
9300.000	525.00	296.59	0.00	5.85	0.00	24.72	780.00
9300.000	825.00	297.96	1.37	6.67	0.00	46.70	780.00
9300.000	1150.00	298.73	0.77	6.77	0.00	85.20	780.00
9300.000	1900.00	299.60	0.87	6.20	0.00	127.25	780.00
9500.000	525.00	297.87	0.00	1.28	0.00	25.78	200.00
9500.000	825.00	299.26	1.39	1.30	0.00	49.45	200.00
9500.000	1150.00	300.25	0.99	1.52	0.00	88.07	200.00
9500.000	1900.00	301.97	1.72	2.37	0.00	169.42	200.00
* 9550.000	525.00	300.14	0.00	2.27	0.00	4.00	50.00
* 9550.000	825.00	302.14	2.00	2.88	0.00	168.85	50.00
* 9550.000	1150.00	302.29	0.15	2.04	0.00	174.17	50.00
9550.000	1900.00	302.55	0.26	0.59	0.00	183.83	50.00
* 9640.000	525.00	305.72	0.00	5.58	0.00	40.03	90.00
* 9640.000	825.00	306.88	1.17	4.74	0.00	90.58	90.00
* 9640.000	1150.00	307.63	0.75	5.35	0.00	125.66	90.00
* 9640.000	1900.00	308.62	0.99	6.07	0.00	161.01	90.00
9690.000	525.00	307.04	0.00	1.33	0.00	74.73	50.00
9690.000	825.00	307.99	0.95	1.11	0.00	123.52	50.00
9690.000	1150.00	308.57	0.57	0.93	0.00	144.22	50.00
9690.000	1900.00	309.40	0.83	0.77	0.00	174.14	50.00
9890.000	525.00	307.47	0.00	0.43	0.00	31.33	200.00
9890.000	825.00	308.51	1.03	0.51	0.00	50.72	200.00
9890.000	1150.00	309.19	0.69	0.63	0.00	88.65	200.00
9890.000	1900.00	310.35	1.16	0.96	0.00	140.00	200.00
* 9920.000	525.00	307.74	0.00	0.26	0.00	118.64	30.00
9920.000	825.00	309.12	1.38	0.61	0.00	206.11	30.00
9920.000	1150.00	310.18	1.06	0.99	0.00	330.48	30.00
9920.000	1900.00	311.73	1.55	1.38	0.00	375.17	30.00
9980.000	525.00	307.74	0.00	0.00	0.00	118.64	1.00
9980.000	825.00	309.12	1.38	0.00	0.00	206.14	1.00
9980.000	1150.00	310.18	1.07	0.00	0.00	330.73	1.00
9980.000	1900.00	311.73	1.55	0.00	0.00	375.20	1.00
10050.000	525.00	312.68	0.00	4.94	0.00	388.17	70.00
10050.000	825.00	313.15	0.47	4.04	0.00	401.84	70.00
10050.000	1150.00	313.61	0.45	3.42	0.00	414.72	70.00
10050.000	1900.00	314.45	0.85	2.72	0.00	438.82	70.00
10100.000	525.00	312.68	0.00	0.00	0.00	373.84	50.00
10100.000	825.00	313.16	0.48	0.01	0.00	387.49	50.00
10100.000	1150.00	313.62	0.45	0.01	0.00	400.51	50.00
10100.000	1900.00	314.47	0.85	0.02	0.00	424.96	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 1900.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1900.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1900.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1900.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

OFFICE ELECTRONIC INC.