
 HEC2 RELEASE DATEO NOV 76 UPDATED FEB 77
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOOD
 T2 FIA STUDY-RICH FORK (YADKIN-REFUGEE BASIN), PAYNE CR, TRIB. 2
 T3 APR 1977 DLO

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSL	EO
	-1.	4.	0.	0.	0.005000	0.00	0.0	0.	752.020	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSFCH	FN	ALLOC	IBQ	CHNIM	I TRCF
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
J3	VARIABLE LOADS FOR STURDY PERM.1001									
	30.000	1.000	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.120	0.120	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.200
BT	5.000	620.000	1070.000	1290.000	2240.000	1290.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	0.000	0.000	0.000	0.000	7.100	495.000	665.000	0.000
X1	5000.000	17.000	500.000	510.000	0.000	0.000	0.000	0.000	0.000	0.000
BR	705.600	400.000	778.600	416.000	765.200	525.000	761.900	575.000	758.200	501.000
BR	747.100	501.000	747.100	502.000	748.100	512.000	749.000	518.000	743.500	550.000
BR	750.200	600.000	749.100	650.000	749.000	700.000	750.100	750.000	758.600	600.000
BR	755.300	550.000	756.500	900.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.000	0.000
X1	5000.000	12.000	500.000	525.000	2400.000	2400.000	2400.000	0.000	0.000	0.000
BR	701.600	400.000	778.600	416.000	765.200	525.000	762.500	500.000	758.200	501.000
BR	757.800	510.000	757.700	517.000	762.600	525.000	761.900	575.000	765.500	600.000
BR	777.200	700.000	776.200	735.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	100.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	1000.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	1300.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	5400.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000

X1 8500.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.000 0.000

X1 9760.000 12.000 500.000 517.000 1260.000 1260.000 1260.000 0.000 0.000 0.000
GR 793.000 345.000 769.100 400.000 782.000 450.000 777.900 500.000 774.800 504.000
GR 774.200 508.000 774.500 515.000 777.000 517.000 778.800 529.000 781.500 558.000
GR 791.100 600.000 796.300 625.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 11765.000 16.000 769.900 814.000 2005.000 2005.000 2005.000 0.000 0.000 0.000
GR 822.400 565.000 822.900 600.000 814.000 700.000 809.700 725.000 797.600 769.000
GR 795.600 770.000 795.100 793.000 795.200 800.000 798.200 814.000 799.700 900.000
GR 804.100 930.000 809.900 957.000 811.300 985.000 812.000 1000.000 812.000 1015.000
GR 816.800 1038.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 11815.000 7.000 780.000 794.100 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 828.000 600.000 799.000 780.000 795.900 780.100 795.900 794.000 798.000 794.100
GR 800.000 890.000 816.000 1040.000 0.000 0.000 0.000 0.000 0.000 0.000
SH 0.900 1.500 2.500 0.000 10.750 0.500 78.400 0.000 795.900 795.900

X1 11865.000 20.000 520.000 533.000 50.000 50.000 50.000 0.000 0.000 0.000
X2 0.000 0.000 1.000 797.000 813.900 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 20.000 166.000 819.900 0.000 200.000 816.500 0.000 285.000 811.900 0.000
BT 500.000 811.600 0.000 400.000 808.800 0.000 500.000 808.900 0.000 501.000
BT 813.900 808.900 520.000 813.900 808.800 520.000 813.900 797.000 521.000 813.900
BT 801.000 524.900 813.900 803.000 526.000 813.900 803.400 527.000 813.900 803.400
BT 529.000 813.900 803.000 532.000 813.900 801.000 533.000 813.900 797.000 533.000
BT 813.900 808.900 554.000 813.900 808.900 555.000 808.900 0.000 700.000 819.200
BT 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
GR 819.900 166.000 816.500 200.000 811.900 285.000 811.900 300.000 809.000 400.000
GR 808.900 808.900 520.000 501.000 808.900 520.000 795.900 520.000 795.900 521.000
GR 795.900 524.000 795.900 526.000 795.900 527.000 795.900 529.000 795.900 532.000
GR 795.900 533.000 808.900 533.000 808.900 554.000 808.900 555.000 819.200 700.000

X1 11915.000 0.000 500.000 540.000 50.000 50.000 50.000 0.000 0.000 0.000
GR 820.000 200.000 807.000 802.000 801.500 500.000 777.200 520.000 796.900 520.000
GR 777.200 51.000 803.500 540.000 808.000 600.000 820.000 700.000 0.000 0.000

X1 12215.000 0.000 0.000 0.000 500.000 500.000 500.000 0.000 5.000 0.000

X1 12315.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.500 0.000

X1 12415.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.500 0.000

X1 12515.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.500 0.000
BT 5.000 620.000 1050.000 1250.000 1320.000 1256.000 0.000 0.000 0.000 0.000

X1 13120.000 12.000 479.000 490.000 610.000 610.000 610.000 0.000 0.000 0.000
GR 640.200 200.000 235.780 500.000 833.900 325.900 829.800 400.000 829.000 432.000
GR 511.400 479.000 811.000 485.000 811.200 490.000 817.900 500.000 824.200 514.000
GR 824.200 521.000 824.200 522.000 824.200 536.000 824.200 550.000 824.200 552.000
GR 825.200 600.000 826.900 700.000 834.600 800.000 840.200 900.000 0.000 0.000

X1 13175.000 7.000 500.000 513.000 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

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 77
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOODWAY
 T2 FIA STUDY-RICH FORK (YADKIN-PEEDEE BASIN), PAYNE CR, TRIB 2
 T3 APR 1977 DLD

J1	ICHECK	INQ	NINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	0.	0.	0.	0.000000	0.00	0.0	0.	752.920	0.000
J2	NPROF	IPLDT	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

*PROF 2

CCHV= 0.200 CEMV= 0.400
 *SECNO 5600.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	CLOSS	BANK ELEV
LINE	VL00	VCH	VROB	XRL	XRCH	XRR	XTR	LR19	SSTA
SLOPE	XL00L	XLCH	XL05E	JTRIAL	IDC	ICONT	CORAR	TOPKID	END01

3470 ENCRICHMENT STATIONS=	495.0	500.0	518.0	550.0	565.0	TYPE=	1	TARGET=	170.000
5600.00	0.82	752.92	0.00	752.02	753.05	0.15	0.00	0.00	749.50
1290.	21.	296.	275.	16.	88.	462.	0.	0.	749.60
0.00	1.32	4.50	1.61	0.120	0.060	0.120	0.000	747.10	495.00
0.004523	0.	0.	0.	0	0	0	0.00	170.00	665.00

FLOW DISTRIBUTION FOR SECNO= 5600.00 CWSEL= 752.92

STA=	495.	500.	518.	550.	565.	600.	650.	665.
PER Q=	1.6	30.7	15.6	20.9	23.3	7.8		
AREA=	16.0	88.1	107.8	153.5	163.5	57.5		
VEL=	1.3	3.5	1.8	1.6	1.8	1.8		

*SECNO 6000.000

3470 ENCRICHMENT STATIONS=	487.5	500.0	525.0	537.5	TYPE=	2	TARGET=	50.000	
6000.00	0.02	765.72	0.00	764.96	766.33	0.61	13.09	0.19	762.50
1290.	56.	1156.	76.	32.	175.	40.	23.	0.	762.60
0.11	1.75	6.51	1.64	0.120	0.060	0.120	0.060	757.70	487.50
0.006707	2400.	2400.	2400.	4	0	0	0.00	50.00	537.50

FLOW DISTRIBUTION FOR SECNO= 6000.00 CWSEL= 765.72

STA=	487.	500.	525.	537.
PER Q=	4.4	89.8	5.9	

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 77
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

APR 1977 DLO

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	QLOB	QCH	UROB	STENCL	STCHL	STCHR	STENCR
5600.000	752.02	296.94	39.13	296.91	953.91	0.00	500.00	518.00	0.00
5600.000	752.92	170.00	21.15	396.22	872.62	495.00	500.00	518.00	665.00
6000.000	764.56	140.52	33.38	905.15	351.47	0.00	500.00	525.00	0.00
6000.000	765.72	50.00	56.25	1158.02	75.73	487.50	500.00	525.00	537.50
8100.000	765.59	132.42	25.10	952.87	312.03	0.00	500.00	525.00	0.00
8100.000	766.40	50.00	50.11	1169.50	70.39	487.50	500.00	525.00	537.50
8200.000	766.43	128.86	21.67	975.28	293.05	0.00	500.00	525.00	0.00
8200.000	767.21	50.00	46.17	1176.93	66.90	487.50	500.00	525.00	537.50
8300.000	767.37	127.75	20.60	982.69	286.71	0.00	500.00	525.00	0.00
8300.000	768.11	50.00	43.97	1181.09	64.94	487.50	500.00	525.00	537.50
8400.000	768.36	127.45	20.52	984.66	285.02	0.00	500.00	525.00	0.00
8400.000	769.06	50.00	42.86	1183.20	63.94	487.50	500.00	525.00	537.50
8500.000	769.36	127.23	20.11	986.10	283.78	0.00	500.00	525.00	0.00
8500.000	770.04	50.00	42.17	1184.53	63.31	487.50	500.00	525.00	537.50
9760.000	781.73	105.73	16.08	909.81	212.11	0.00	500.00	517.00	0.00
9760.000	782.09	50.00	143.30	967.06	179.60	483.50	500.00	517.00	533.50
11765.000	800.22	144.04	16.60	1127.30	146.09	0.00	769.00	814.00	0.00
11765.000	800.47	50.00	8.91	1273.70	7.58	766.50	769.00	814.00	816.50
* 11815.000	800.94	130.04	22.77	851.26	585.95	0.00	780.00	794.10	0.00
* 11815.000	801.42	47.10	50.00	961.55	278.46	762.05	780.00	794.10	812.05
11865.000	805.63	13.00	0.00	1290.00	0.00	0.00	520.00	533.00	0.00
11865.000	806.32	13.00	0.00	1290.00	0.00	501.50	520.00	533.00	551.50
11915.000	807.55	144.96	89.29	1084.56	116.35	0.00	500.00	540.00	0.00
11915.000	807.95	50.00	25.11	1248.97	15.92	495.00	500.00	540.00	545.00
12215.000	807.94	90.28	41.00	1235.24	15.76	0.00	500.00	540.00	0.00
12215.000	808.39	50.00	21.18	1260.97	7.85	495.00	500.00	540.00	545.00

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
12315.000	808.39	62.47	22.05	1267.34	0.60	0.00	500.00	540.00	0.00
12315.000	808.76	50.00	16.86	1270.89	2.24	495.00	500.00	540.00	545.00
12415.000	809.32	50.72	13.11	1276.89	0.00	0.00	500.00	540.00	0.00
12415.000	809.50	45.01	12.34	1277.66	0.00	495.00	500.00	540.00	545.00
12515.000	810.65	49.49	10.81	1279.19	0.00	0.00	500.00	540.00	0.00
12515.000	810.70	44.58	10.02	1279.98	0.00	495.00	500.00	540.00	545.00
13125.000	818.71	42.31	225.01	891.16	133.02	0.00	479.00	490.00	0.00
13125.000	818.67	42.14	225.05	892.59	132.35	459.50	479.00	490.00	509.50
13175.000	819.35	12.93	0.00	1250.00	0.00	0.00	500.00	513.00	0.00
13175.000	819.34	12.93	0.00	1250.00	0.00	481.50	500.00	513.00	531.50
13305.000	822.29	13.00	0.00	1250.00	0.00	0.00	500.00	513.00	0.00
13305.000	822.27	13.00	0.00	1250.00	0.00	481.50	500.00	513.00	531.50
13355.000	823.52	543.80	106.96	335.50	807.54	0.00	500.00	525.00	0.00
13355.000	823.42	50.00	21.83	1003.67	224.50	495.00	500.00	525.00	545.00

SUMMARY OF ERRORS

CAUTION SECNO=11815.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11815.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11815.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11815.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11515.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, APR. 1977 OLO
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
5600.000	170.	586.	2.2	752.9	752.0	0.9
8000.000	50.	240.	5.2	765.8	765.0	0.8
A 8100.000	50.	232.	5.6	766.4	765.6	0.8
8200.000	50.	222.	5.8	767.2	766.4	0.8
8300.000	50.	217.	5.9	768.1	767.4	0.7
8400.000	50.	215.	6.0	769.1	768.4	0.7
8500.000	50.	213.	6.1	770.1	769.4	0.7
B 9760.000	50.	243.	5.3	782.1	781.7	0.4
11765.000	50.	214.	6.0	800.5	800.2	0.3
11815.000	47.	154.	8.0	801.4	800.9	0.5
11865.000	13.	136.	9.5	806.3	805.6	0.7
C 11915.000	50.	412.	4.1	808.0	807.5	0.5
12215.000	50.	264.	4.5	808.4	807.9	0.5
12315.000	50.	227.	5.7	808.6	808.1	0.5
12415.000	45.	190.	6.0	809.5	809.3	0.2
12515.000	45.	177.	7.3	810.7	810.7	0.0
D 13125.000	42. (13.4)	195.	6.9	818.7	818.7	0.0
13175.000	13.	114.	11.0	819.8	819.8	0.0
13305.000	13.	154.	8.1	822.5	822.5	0.0
13355.000	50.	413.	5.0	823.5	823.5	0.0

av. BR. vel. = 1.9 fps

" " " = 2.0

av. BR. vel. = 2.5

" " " = 1.4

av. BR. vel. = 1.4 fps

av. BR. vel. = 1.6 fps

SNUMB # 2677T, ACTIVITY # = 01, , REPORT CODE = 52, RECORD COUNT = 000945

ST. 20
 GENERAL METH
 FLOODING
 BUW
 1/14/77

T1 GUILFORD COUNTY FIA STUDY ***100 YEAR FREQUENCY FLOOD***
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,BOULDING BRANCH,TRIBUTARY 1
 T3 FEB 1977 DLO

J1	ICHECK	ING	NINV	IDIR	STRT	MERIC	HVINS	U	WSEL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	817.710	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	15,000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	3,000	41,000	42,000	5,000	43,000	0.	38,000	1,000
	53,000	21,000	22,000	54,000	4,000	0.	200,000	0.	0.	0.
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
DT	4,000	1620,000	1620,000	1620,000	1620,000	0.	0.	0.	0.	0.
ET	0.	0.	10,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	492,000	542,000	0.	0.	0.	0.	0.
X1	50,000	14,000	500,000	542,000	0.	0.	0.	0.	-1,500	0.
GR	823,600	350,000	819,900	400,000	819,200	450,000	816,300	500,000	811,100	511,000
GR	810,400	517,000	811,400	525,000	817,300	542,000	817,900	550,000	818,800	600,000
GR	819,400	650,000	819,100	700,000	821,100	750,000	824,200	785,000	0.	0.
ET	0.	0.	4,100	492,000	542,000	0.	0.	0.	0.	0.
X1	100,000	0.	0.	0.	50,000	50,000	50,000	0.	0,400	0.
ET	0.	0.	4,100	492,000	542,000	0.	0.	0.	0.	0.
X1	150,000	0.	0.	0.	50,000	50,000	50,000	0.	0,400	0.
ET	0.	0.	4,100	492,000	542,000	0.	0.	0.	0.	0.
X1	353,000	0.	0.	0.	103,000	103,000	103,000	0.	0,700	0.
ET	0.	0.	4,100	492,000	542,000	0.	0.	0.	0.	0.
X1	343,000	14,000	500,000	542,000	50,000	50,000	50,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	817,000	817,000	0.
GR	823,600	350,000	819,900	400,000	819,200	450,000	816,300	500,000	814,000	510,000
GR	812,000	511,000	812,000	524,000	815,000	533,000	817,300	542,000	818,800	600,000
GR	819,400	650,000	819,100	700,000	821,100	750,000	824,200	785,000	0.	0.
SR	0,900	1,500	2,500	0.	12,400	0.	58,300	0.	812,100	812,100
ET	0.	0.	12,400	0.	0.	0.	0.	0.	0.	0.
X1	338,000	12,000	510,000	525,000	35,000	35,000	35,000	0.	0.	0.
X2	0.	0.	1,000	817,000	819,100	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	819,100	819,100	0.
BT	10,000	250,000	825,900	825,900	400,000	820,900	819,900	450,000	819,600	819,200
BT	500,000	819,100	816,300	510,000	819,100	817,000	525,000	819,100	817,000	550,000
BT	819,000	817,900	600,000	818,900	818,800	700,000	820,900	819,100	785,000	824,200
BT	824,200	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	825,900	250,000	819,900	400,000	819,200	450,000	816,300	500,000	817,000	510,000

	12,000	51,000	82,000	21,000	17,000	22,000	17,000	20,000	10,000	50,000
GR	819,100	700,000	824,200	785,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	12,400	0.	0.	0.	0.	0.	0.	0.
X1	388,000	14,000	506,000	527,000	50,000	50,000	50,000	0.	0.	0.
GR	823,600	350,000	819,900	400,000	819,200	450,000	816,300	506,000	811,000	513,000
GR	112,200	518,000	816,200	527,000	817,300	542,000	817,900	550,000	818,800	600,000
GR	819,400	650,000	819,100	700,000	821,100	750,000	824,200	785,000	0.	0.
ET	0.	0.	4,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	440,000	560,000	0.	0.	0.	0.	0.
X1	1435,000	15,000	500,000	530,000	1047,000	1047,000	1047,000	0.	0.	0.
GR	829,300	270,000	827,100	300,000	825,000	350,000	824,400	400,000	825,300	450,000
GR	822,800	500,000	817,400	514,000	816,400	521,000	817,500	528,000	823,300	530,000
GR	824,700	550,000	824,100	600,000	824,800	608,000	828,300	650,000	832,700	690,000
ET	0.	0.	4,100	440,000	560,000	0.	0.	0.	0.	0.
X1	1495,000	15,000	500,000	530,000	60,000	60,000	60,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	825,700	825,700	0.
GR	833,000	200,000	829,300	270,000	827,100	300,000	825,000	350,000	824,400	400,000
GR	825,300	450,000	822,800	500,000	820,800	514,000	818,200	515,000	818,200	526,000
GR	823,300	530,000	823,300	531,000	824,800	608,000	828,300	650,000	832,700	690,000
SB	0,900	1,500	2,500	0.	11,400	0.	85,500	0.	0.	0.
ET	0.	0.	4,100	380,000	570,000	0.	0.	0.	0.	0.
X1	1545,000	14,000	514,000	527,000	50,000	50,000	50,000	0.	0.	0.
X2	0.	0.	1,000	825,700	827,400	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	827,400	827,600	0.
BT	12,000	200,000	833,900	833,900	250,000	831,600	829,300	300,000	829,600	827,100
BT	350,000	828,100	825,000	400,000	827,300	824,400	500,000	827,400	822,800	514,000
BT	827,400	825,700	527,000	827,600	825,700	550,000	828,700	824,600	600,000	830,900
BT	824,100	650,000	833,800	828,300	698,000	836,900	832,700	0.	0.	0.
GR	833,900	200,000	829,300	250,000	827,100	300,000	825,000	350,000	824,400	400,000
GR	822,800	500,000	825,700	514,000	818,200	515,000	818,200	526,000	825,700	527,000
GR	824,600	550,000	824,100	000,000	828,300	650,000	832,700	698,000	0.	0.
ET	0.	0.	4,100	499,000	549,000	0.	0.	0.	0.	0.
X1	1695,000	15,000	500,000	534,000	150,000	150,000	150,000	0.	0.	0.
GR	831,300	325,000	829,600	350,000	829,400	400,000	829,500	450,000	829,300	485,000
GR	828,800	492,000	826,300	500,000	819,200	511,000	818,900	517,000	819,100	520,000
GR	822,800	534,000	823,600	550,000	829,100	600,000	830,900	608,000	834,000	630,000
OT	4,000	1310,000	1310,000	1310,000	1310,000	0.	0.	0.	0.	0.
ET	0.	0.	4,100	489,000	539,000	0.	0.	0.	0.	0.
X1	2265,000	17,000	500,000	538,000	570,000	570,000	570,000	0.	0.	0.
GR	837,000	125,000	832,000	146,000	830,600	200,000	830,400	300,000	830,000	400,000
GR	829,800	450,000	830,000	470,000	826,400	500,000	822,800	513,000	822,700	518,000
GR	830,700	538,000	830,800	550,000	831,900	600,000	832,700	650,000	834,500	694,000
GR	837,000	700,000	836,500	800,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	405,000	525,000	0.	0.	0.	0.	0.
X1	2335,000	20,000	512,000	522,000	70,000	70,000	70,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	829,800	829,800	0.
GR	837,000	125,000	832,000	146,000	830,600	200,000	830,400	300,000	830,000	400,000
GR	829,800	450,000	830,000	470,000	826,400	500,000	825,300	512,000	823,700	513,000
GR	823,700	521,000	825,300	522,000	830,700	538,000	830,800	550,000	831,900	600,000
GR	832,700	650,000	834,500	694,000	837,000	700,000	828,900	750,000	836,500	800,000
SB	0,900	1,500	2,500	0.	7,150	0.	43,600	0.	0.	0.
ET	0.	0.	4,100	835,000	1015,000	0.	0.	0.	0.	0.

BB

BB

BB

BB

BB

X1	2385,000	19,000	1000,000	1009,000	50,000	50,000	50,000	0,	0,	0,
X2	0,	0,	1,000	829,800	831,800	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	831,800	831,800	0,
BT	19,000	400,000	838,600	838,600	500,000	835,300	835,300	600,000	834,200	834,200
BT	700,000	833,100	830,600	800,000	831,600	830,400	900,000	830,900	830,000	950,000
BT	831,300	829,800	999,000	831,800	826,400	1000,000	831,800	825,300	1001,000	831,800
BT	828,700	1004,000	831,800	829,800	1005,000	831,800	829,800	1008,000	831,800	828,700
BT	1009,000	831,800	825,300	1010,000	831,800	825,300	1050,000	832,300	830,800	1100,000
BT	833,300	831,900	1150,000	835,000	832,700	1200,000	837,000	837,000	0,	0,
GR	838,600	400,000	835,300	500,000	834,200	600,000	830,600	700,000	830,400	800,000
GR	830,000	900,000	829,800	950,000	826,400	999,000	825,300	1000,000	823,900	1001,000
GR	823,700	1004,000	823,700	1005,000	823,900	1008,000	825,300	1009,000	825,300	1010,000
GR	830,800	1050,000	831,900	1100,000	832,700	1150,000	837,000	1200,000	0,	0,
ET	0,	0,	4,100	435,000	555,000	0,	0,	0,	0,	0,

X1	2485,000	18,000	500,000	524,000	100,000	100,000	100,000	0,	0,	0,
GR	838,000	365,000	832,300	400,000	830,900	411,000	830,500	426,000	830,600	445,000
GR	828,300	452,000	829,500	500,000	825,300	505,000	825,400	510,000	825,600	514,000
GR	828,700	524,000	828,700	550,000	829,200	560,000	833,300	582,000	833,400	596,000
GR	833,400	609,000	838,000	617,000	840,000	640,000	0,	0,	0,	0,
GT	4,000	1250,000	1250,000	1250,000	1250,000	0,	0,	0,	0,	0,
ET	0,	0,	15,400	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	4,100	450,000	550,000	0,	0,	0,	0,	0,

X1	3100,000	0,	0,	0,	615,000	615,000	615,000	0,	4,500	0,
ET	0,	0,	0,400	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	4,100	465,000	525,000	0,	0,	0,	0,	0,

X1	3715,000	13,000	500,000	525,000	615,000	615,000	615,000	0,	0,	0,
GR	846,900	350,000	843,300	400,000	842,600	434,000	839,100	450,000	839,000	500,000
GR	834,500	504,000	834,200	512,000	834,600	517,000	841,800	525,000	843,100	550,000
GR	845,900	565,000	845,900	600,000	848,500	634,000	0,	0,	0,	0,
BT	0,	0,	10,400	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	1,300	0,	0,	0,	0,	0,	0,	0,

X1	3815,000	14,000	502,000	519,000	100,000	100,000	100,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	845,000	845,000	0,
GR	846,900	350,000	843,300	400,000	842,600	434,000	839,100	450,000	839,000	502,000
GR	836,200	503,000	836,200	512,000	836,200	518,000	841,800	519,000	841,800	525,000
GR	843,100	550,000	845,900	565,000	845,900	600,000	848,500	634,000	0,	0,
SB	0,900	1,500	2,500	0,	15,000	0,	132,000	0,	837,100	836,200

X1	3866,000	12,000	500,000	515,000	51,000	51,000	51,000	0,	0,	0,
X2	0,	0,	1,000	845,000	846,200	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	846,200	846,200	0,
BT	9,000	350,000	849,100	848,300	419,000	845,900	845,900	500,000	845,600	845,000
BT	515,000	846,200	845,000	550,000	848,100	843,800	560,000	851,100	844,500	600,000
BT	851,900	850,200	650,000	855,900	855,900	700,000	859,900	859,900	0,	0,
GR	848,300	300,000	845,900	419,000	845,000	500,000	837,600	501,000	837,100	509,000
GR	837,700	514,000	845,000	515,000	843,800	550,000	844,500	560,000	850,200	600,000
GR	855,900	650,000	859,900	700,000	0,	0,	0,	0,	0,	0,
ET	0,	0,	16,400	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	4,100	474,000	524,000	0,	0,	0,	0,	0,

X1	3966,000	16,000	500,000	521,000	100,000	100,000	100,000	0,	0,	0,
GR	850,400	300,000	848,300	350,000	847,400	400,000	846,200	450,000	845,900	459,000
GR	842,500	470,000	842,300	500,000	837,600	504,000	837,600	509,000	837,700	515,000
GR	842,300	521,000	843,800	550,000	844,500	560,000	849,600	570,000	850,200	600,000

AREA= 102.9
VEL= 12.1

*SECNO 3966,000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3966.00	10.18	847.78	0.	0.	847.91	0.13	0.42	0.43	842.30
1250.	314.	705.	232.	269.	190.	184.	47.	20.	842.30
0.24	1.17	3.72	1.26	0.120	0.060	0.120	0.060	837.60	378.96
0.001488	100.	100.	100.	3	0	0	0.	187.47	565.43

FLOW DISTRIBUTION FOR SECNO= 3966,00 CWSEL= 847,78

STA=	379.	400.	450.	459.	470.	500.	521.	550.	560.	567.
PER Q=	0.1	1.8	0.9	3.4	18.9	56.4	14.8	3.3	0.5	
AREA=	4.0	48.9	15.6	39.4	161.4	189.7	137.1	36.3	10.5	
VEL=	0.2	0.5	0.7	1.1	1.5	3.7	1.3	1.1	0.6	

T1 GUILFORD COUNTY FIA STUDY FLOODWAY COMPUTATIONS
T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,BOULDING BRANCH,TRIBUTARY 1
T3 FEB 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	F0
	-10.	3.	0.	0.	0.	0.	0.	0.	818.710	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	15.000

*PROF 2

CCHV= 0.200 CEHV= 0.400
*SECNO 50,000

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

3470 ENCROACHMENT STATIONS= 492.0 542.0 TYPE= 1 TARGET= 50.000

50.00	9.81	818.71	0.	817.71	819.12	0.41	0.	0.	814.80
1620.	42.	1578.	0.	29.	302.	0.	0.	0.	99998.50
0.	1.42	5.22	0.	0.120	0.060	0.120	0.	808.90	492.00
0.003726	0.	0.	0.	0	0	0	0.	50.00	542.00

FLOW DISTRIBUTION FOR SECNO= 50,00 CWSEL= 818.71

STA=	492.	500.	542.
------	------	------	------

PER Q=	2.6	97.4
AREA=	29.4	302.5
VEL=	1.4	5.2

*SECNO 100,000

3470 ENCROACHMENT STATIONS= 492.0 542.0 TYPE= 1 TARGET= 50.000

100.00	9.59	818.89	0.	817.95	819.33	0.44	0.20	0.01	815.20
1620.	40.	1580.	0.	28.	293.	0.	0.	0.	100000.00
0.00	1.45	5.38	0.	0.120	0.060	0.120	0.059	809.30	492.00
0.004103	50.	50.	50.	0	0	0	0.	50.00	542.00

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
50.000	817,71	818,18	0.	808,90	49,95	1620,00
50.000	818,71	819,12	0.	808,90	37,26	1620,00
100.000	817,95	818,46	0.	809,30	55,77	1620,00
100.000	818,89	819,33	0.	809,30	41,03	1620,00
150.000	818,22	818,77	0.	809,70	61,64	1620,00
150.000	819,09	819,56	0.	809,70	45,28	1620,00
253.000	818,85	819,42	0.	810,40	64,25	1620,00
253.000	819,56	820,06	0.	810,40	50,51	1620,00
303.000	819,20	819,79	0.	812,00	82,19	1620,00
303.000	819,79	820,41	0.	812,00	74,47	1620,00
338.000	820,64	820,85	817,00	812,00	49,92	1620,00
338.000	821,23	821,67	0.	812,00	73,20	1620,00
388.000	820,85	821,05	0.	811,00	33,42	1620,00
388.000	821,55	821,96	0.	811,00	44,39	1620,00
1435.000	825,48	826,06	0.	816,40	68,70	1620,00
1435.000	826,30	826,76	0.	816,40	46,98	1620,00
1495.000	826,17	826,49	0.	818,20	59,56	1620,00
1495.000	826,64	827,09	0.	818,20	63,43	1620,00
1545.000	828,76	828,78	825,70	818,20	9,26	1620,00
1545.000	828,80	828,86	825,70	818,20	17,88	1620,00
1695.000	828,82	829,11	0.	818,90	27,08	1620,00
1695.000	828,95	829,36	0.	818,90	33,25	1620,00
2265.000	830,80	831,16	0.	822,70	52,66	1310,00
2265.000	831,22	831,68	0.	822,70	52,58	1310,00
2335.000	831,51	831,57	0.	823,70	57,82	1310,00
2335.000	831,66	832,12	0.	823,70	77,23	1310,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	0
2385.000	832,64	832,69	829,80	823,70	12,67	1310,00
2385.000	832,55	832,73	829,80	823,70	33,59	1310,00
2485.000	832,76	832,91	0,	825,30	27,70	1310,00
2485.000	832,87	833,06	0,	825,30	32,26	1310,00
3100.000	835,60	836,09	0,	829,80	118,07	1250,00
3100.000	835,91	836,40	0,	829,80	103,05	1250,00
3715.000	841,71	842,22	0,	834,20	85,08	1250,00
3715.000	841,87	842,50	0,	834,20	93,67	1250,00
3815.000	842,17	844,73	0,	836,20	481,98	1250,00
3815.000	842,63	844,82	0,	836,20	398,31	1250,00
3866.000	844,76	847,06	845,00	837,10	412,14	1250,00
3866.000	845,23	847,23	0,	837,10	346,92	1250,00
3966.000	847,78	847,91	0,	837,60	14,88	1250,00
3966.000	847,91	848,24	0,	837,60	27,34	1250,00

FEB 1977 DLO
SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
50,000	817,71	449,29	500,00	542,00	702,75	205,96
50,000	818,71	492,00	500,00	542,00	542,00	50,00
100,000	817,95	452,52	500,00	542,00	621,17	168,65
100,000	818,89	492,00	500,00	542,00	542,00	50,00
150,000	818,22	454,96	500,00	542,00	609,35	154,38
150,000	819,09	492,00	500,00	542,00	542,00	50,00
253,000	818,85	455,98	500,00	542,00	604,45	148,47
253,000	819,56	492,00	500,00	542,00	542,00	50,00
303,000	819,20	449,72	500,00	542,00	702,60	203,87
303,000	819,79	492,00	500,00	542,00	542,00	50,00
338,000	820,64	381,38	510,00	525,00	725,75	344,37
338,000	821,23	494,85	510,00	525,00	597,79	102,94
388,000	820,85	387,19	506,00	527,00	743,70	356,51
388,000	821,55	498,15	506,00	527,00	596,65	98,50
1435,000	825,48	338,64	500,00	530,00	616,13	277,49
1435,000	826,30	440,00	500,00	530,00	560,00	120,00
1495,000	826,17	322,31	500,00	530,00	624,36	302,04
1495,000	826,64	440,00	500,00	530,00	560,00	120,00
1545,000	828,76	262,29	514,00	527,00	655,01	392,72
1545,000	828,80	380,00	514,00	527,00	570,00	190,00
1695,000	828,82	491,72	500,00	534,00	597,46	105,74
1695,000	828,95	499,00	500,00	534,00	549,00	50,00
2265,000	830,80	192,34	500,00	538,00	549,84	357,50
2265,000	831,22	489,00	500,00	538,00	539,00	50,00
2335,000	831,31	172,59	512,00	522,00	765,86	431,36
2335,000	831,66	405,00	512,00	522,00	525,00	120,00
2385,000	832,64	643,21	1000,00	1009,00	1146,52	503,31
2385,000	832,55	835,00	1000,00	1009,00	1015,00	180,00
2485,000	832,76	397,15	500,00	524,00	579,13	181,98
2485,000	832,87	435,00	500,00	524,00	555,00	120,00
3100,000	835,60	409,44	500,00	524,00	570,19	160,76
3100,000	835,91	450,00	500,00	524,00	550,00	100,00
3715,000	841,71	438,05	500,00	525,00	524,90	86,85
3715,000	841,87	465,00	500,00	525,00	525,00	60,00
3815,000	842,17	502,00	502,00	519,00	519,00	17,00
3815,000	842,63	502,00	502,00	519,00	519,00	17,00

SECNO	CNSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
3866,000	844,76	500,03	500,00	515,00	515,00	14,93
3866,000	845,23	500,00	500,00	515,00	515,00	15,00
3966,000	847,78	378,96	500,00	521,00	566,43	187,47
3966,000	847,91	474,00	500,00	521,00	524,00	50,00

SUMMARY OF ERRORS

Stream #20

FLOODWAY DATA, FEB 1977
 PROFILE NO. 2

DLO

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
50.000	50.	332.	4.9	818.7	917.7	1.0
100.000	50.	321.	5.0	818.8	817.9	0.9
150.000	50.	311.	5.2	819.1	818.2	0.9
253.000	50.	299.	5.4	819.6	818.9	0.7
A 303.000	50.	270.	6.0	819.8	819.2	0.6
338.000	103.	437.	3.7	821.2	820.6	0.6
388.000	99.	465.	3.5	821.5	820.8	0.7
1435.000	120.	416.	3.9	826.3	825.5	0.8
B 1495.000	120.	427.	3.8	826.7	826.2	0.5
1545.000	190.	970.	1.7	828.8	828.8	0.
1695.000	50.	359.	4.5	828.9	828.8	0.1
2265.000	50.	265.	4.9	831.2	830.8	0.4
C 2335.000	120.	384.	3.4	831.6	831.3	0.3
2385.000	180.	634.	2.1	832.6	832.6	0.
2485.000	120.	518.	2.5	832.9	832.8	0.1
3100.000	100.	314.	4.0	835.9	835.6	0.3
D 3715.000	60.	247.	5.1	841.9	841.7	0.2
3815.000	17.	105.	11.9	842.7	842.2	0.5
3866.000	15.	110.	11.4	845.3	844.8	0.5
3966.000	50.	352.	3.5	847.9	847.8	0.1

W.2K VEL = 1.5 fps
 " " = "

LESSER WIDTH GIVES NEGATIVE INCR.

W.2K VEL = 2.3 fps

High Point, NC

WRB

10/27/77

 DECE RELEASE DATED NOV 26 DECEASED FEB 77
 ERROR CORR - 01
 MODIFICATION - 50,51,52

(1) WILFORD COUNTY F14-- 100 YR FLOOD
 T2 WILFORD CO (CR 51, 50) AND TRIBUTARY (CR 50, 51)
 T3 APR 77 LEE

J1	ISECK	140	WINV	IDIR	STRT	NETIC	OVINS	0	WSRL	FS
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	677,500	0.000
J2	SRDD	1PLSD	PNLYS	ASLEV	XSLCH	EM	ALLDC	IBK	CIGIA	11RACI
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
J3	WATERSHED	CRS	FOR	LEAS	ATY	PR	1001			
	58.000	1.000	3.000	31.000	42.000	5.000	35.000	0.000	55.000	1.000
	55.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
00	0.125	0.125	0.000	0.000	0.000	0.000	5.000	0.000	0.000	0.000
01	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02	0.000	0.000	0.000	0.000	0.000	0.000	7.100	995.000	650.000	0.000
03	150.000	77.000	500.000	50.000	0.000	0.000	0.000	0.000	0.000	0.000
04	700.000	131.000	715.000	220.000	710.000	300.000	735.000	290.000	700.000	325.000
05	585.000	300.000	670.000	370.000	655.000	400.000	670.000	450.000	670.000	300.000
06	570.000	500.000	665.000	520.000	670.000	560.000	675.000	550.000	675.000	600.000
07	670.000	650.000	670.000	700.000	675.000	750.000	680.000	795.000	681.000	500.000
08	687.000	350.000	695.000	915.000	700.000	1000.000	705.000	1000.000	710.000	1150.000
09	715.000	1,000.000	725.000	1,000.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	7.100	500.000	1075.000	0.000
11	920.000	14.000	1000.000	1270.000	720.000	720.000	720.000	0.000	0.000	0.000
12	720.000	735.000	715.000	775.000	700.000	300.000	680.000	900.000	681.000	450.000
13	677.000	1000.000	650.000	1010.000	600.000	1000.000	670.000	1070.000	681.000	1100.000
14	600.000	100.000	700.000	1,000.000	715.000	1,250.000	100.000	145.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1061.000	0.000
16	600.000	16.000	1000.000	1061.000	49.000	49.000	49.000	0.000	0.000	0.000
17	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	720.000	735.000	715.000	775.000	700.000	300.000	680.000	900.000	681.000	450.000
19	600.000	100.000	700.000	1,000.000	715.000	1,250.000	100.000	145.000	0.000	0.000
20	675.000	1061.000	685.000	1100.000	695.000	1200.000	705.000	1500.000	715.000	1585.000
21	720.000	1435.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	1.000	2.500	0.000	63.500	1.000	770.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1061.000	0.000

X1	891.000	0.000	0.000	0.000	22.000	22.000	22.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	682.000	684.300	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	684.500	684.200	0.000
BT	12.000	755.000	720.000	0.000	775.000	715.000	0.000	800.000	705.700	0.000
BT	900.000	289.900	0.000	920.000	884.600	0.000	1000.000	664.500	682.500	1021.000
BT	684.200	681.900	1100.000	665.000	0.000	1200.000	645.500	0.000	1300.000	702.600
BT	0.000	1385.000	715.000	0.000	1435.000	720.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	995.000	1075.000	0.000	0.000

X1	950.000	14.000	1000.000	1070.000	59.000	59.000	59.000	0.000	6.000	0.000
GR	720.000	715.000	715.000	715.000	709.700	800.000	689.900	900.000	681.500	952.600
GR	677.800	1000.000	669.300	1014.000	669.100	1055.000	676.500	1070.000	684.400	1100.000
GR	593.400	1200.000	706.600	1300.000	715.000	1385.000	720.000	1435.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000

X1	550.000	21.000	1000.000	1040.000	2610.000	2610.000	2610.000	0.000	0.000	0.000
GR	725.000	380.000	720.000	460.000	715.000	520.000	710.000	650.000	705.000	720.000
GR	700.000	750.000	693.600	764.000	693.000	900.000	689.300	900.000	687.900	940.000
GR	679.500	1000.000	673.200	1003.000	673.700	1037.000	677.800	1040.000	681.400	1100.000
GR	689.700	1200.000	692.000	1290.000	700.000	1500.000	705.000	1370.000	710.000	1600.000
GR	725.000	1000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	6520.000	25.000	966.000	1000.000	2960.000	2960.000	2960.000	0.000	-0.100	0.000
X3	10.000	0.000	0.000	2.000	0.000	0.000	0.000	687.700	687.700	0.000
GR	725.000	275.000	719.600	320.000	714.100	550.000	703.000	400.000	694.200	950.000
GR	665.000	500.000	660.200	660.000	684.100	700.000	684.300	0.000	680.000	900.000
GR	665.500	945.000	668.900	960.000	699.000	965.000	680.600	970.000	680.500	972.000
GR	676.100	983.000	679.900	992.000	681.300	995.000	690.500	1000.000	695.900	1100.000
GR	708.500	1200.000	712.700	1300.000	715.000	1570.000	720.000	2010.000	725.000	2000.000

X1	6572.000	0.000	0.000	0.000	52.000	52.000	52.000	0.000	0.100	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	6573.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	22.000	275.000	720.000	0.000	320.000	719.600	0.000	550.000	714.100	0.000
BT	660.000	700.000	0.000	350.000	694.200	0.000	900.000	645.000	0.000	900.000
BT	689.700	0.000	750.000	684.100	0.000	800.000	694.500	0.000	700.000	680.000
BT	0.000	945.000	685.500	0.000	960.000	688.900	0.000	966.000	690.500	0.000
BT	966.000	690.500	687.700	1000.000	690.500	687.700	1000.000	690.500	0.000	1100.000
BT	695.900	0.000	1200.000	706.500	0.000	1500.000	712.700	0.000	1570.000	715.000
BT	0.000	2810.000	720.000	0.000	2880.000	725.000	0.000	0.000	0.000	0.000

X1	6587.000	0.000	0.000	0.000	14.000	14.000	14.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	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

X1	6583.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	690.500	690.500	0.000

X1	6640.000	0.000	0.000	0.000	52.000	52.000	52.000	0.000	0.000	0.000
X5	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	2770.000	4100.000	2750.000	7850.000	5250.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000

X1	9260.000	14.000	1000.000	1055.000	2720.000	2720.000	2720.000	0.000	0.000	0.000
GR	725.000	335.000	718.900	570.000	714.200	600.000	700.800	700.000	695.100	800.000
GR	693.300	900.000	695.100	1000.000	683.300	1015.000	680.200	1037.000	695.400	1055.000

GR	695.400	1100.000	711.300	1200.000	720.300	1250.000	725.000	1320.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000

Y1	12340.000	14.000	1000.000	1050.000	2980.000	2980.000	2980.000	0.000	0.000	1.000
GR	730.000	750.000	719.000	800.000	715.700	850.000	705.200	500.000	695.300	925.000
GR	695.500	1000.000	685.300	1015.000	684.900	1035.000	696.600	1050.000	695.300	1100.000
GR	705.200	1150.000	714.100	1200.000	719.900	1240.000	730.000	1340.000	0.000	0.000

X1	12380.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000

X1	12390.000	17.000	1000.000	1071.000	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	704.500	704.500	0.000
GR	730.000	730.000	719.000	800.000	715.700	850.000	706.000	890.000	705.900	900.000
GR	697.000	947.000	696.200	1000.000	691.000	1021.000	687.000	1029.000	686.200	1047.000
GR	689.000	1056.000	697.000	1071.000	698.000	1112.000	707.700	1162.000	714.100	1200.000
GR	719.900	1240.000	730.000	1340.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	31.000	4.500	897.000	1.100	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000

X1	12411.000	0.000	0.000	0.000	21.000	21.000	21.000	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	706.300	706.700	0.000
BT	12.000	730.000	730.000	0.000	809.000	715.000	0.000	850.000	715.700	0.000
BT	890.000	708.000	0.000	900.000	707.700	0.000	1000.000	706.300	704.500	1071.000
BT	706.700	704.800	1100.000	706.300	0.000	1152.000	707.700	0.000	1200.000	714.100
BT	0.000	1240.000	719.900	0.000	1340.000	750.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000

X1	12460.000	19.000	1000.000	1050.000	49.000	49.000	49.000	0.000	0.200	0.000
GR	730.000	730.000	719.000	800.000	715.700	850.000	705.900	500.000	695.400	925.000
GR	695.500	1000.000	685.300	1015.000	684.900	1035.000	696.600	1050.000	695.300	1100.000
GR	705.200	1150.000	714.100	1200.000	719.900	1240.000	730.000	1340.000	0.000	0.000
QT	5.000	2430.000	5730.000	4160.000	3400.000	4160.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	15.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000

X1	12930.000	13.000	1000.000	1050.000	3470.000	3470.000	3470.000	0.000	0.000	0.000
GR	732.500	550.000	725.900	800.000	712.900	700.000	707.100	600.300	703.500	900.000
GR	704.200	1000.000	694.700	1005.000	696.600	1035.000	703.900	1050.000	702.500	1100.000
GR	710.700	1150.000	715.200	1200.000	715.100	1250.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000

X1	12983.000	21.000	1000.000	1152.000	53.000	53.000	53.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	715.700	715.600	0.000
GR	732.000	800.000	723.500	565.000	719.200	700.000	710.000	800.000	706.800	900.000
GR	706.600	1000.000	705.700	1026.000	703.300	1051.000	702.400	1055.000	695.500	1052.000
GR	695.600	1093.000	698.000	1101.000	696.700	1105.000	703.700	1115.000	705.300	1135.000
GR	706.900	1152.000	710.800	1200.000	719.100	1300.000	726.900	1400.000	731.000	1500.000
GR	740.000	1570.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	15.000	2.000	1680.000	3.500	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000

X1	16010.000	0.000	0.000	0.000	35.000	35.000	35.000	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	717.400	717.500	0.000
BT	14.000	600.000	740.000	0.000	665.000	736.600	0.000	700.000	733.500	0.000
BT	800.000	724.800	0.000	900.000	719.600	0.000	1000.000	717.400	0.000	1000.000

BT	717.400	715.700	1152.000	717.500	715.600	1152.000	717.500	0.000	1200.000	718.100
BT	0.000	1300.000	722.100	0.000	1400.000	726.900	0.000	1500.000	731.000	0.000
BT	1570.000	740.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1055.000	0.000	0.000
X1	16020.000	16.000	1000.000	1047.000	62.000	62.000	62.000	0.000	0.000	0.000
GR	750.000	500.000	745.000	540.000	740.000	600.000	735.000	630.000	730.000	660.000
GR	725.000	730.000	725.000	780.000	720.000	810.000	715.000	850.000	710.000	820.000
GR	703.300	1000.000	695.400	1005.000	695.500	1036.000	703.300	1047.000	725.000	1070.000
GR	745.000	1160.000	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	7.100	940.000	1020.000	0.000	0.000
X1	17320.000	17.000	1000.000	1040.000	1240.000	1240.000	1240.000	1.000	7.800	0.000
GR	750.000	640.000	745.000	680.000	740.000	745.000	733.600	800.000	730.900	830.000
GR	725.000	900.000	714.400	972.000	713.700	982.000	716.400	988.000	716.700	1000.000
GR	708.300	1010.000	707.000	1034.000	715.200	1040.000	715.900	1077.000	727.900	1109.000
GR	743.600	1150.000	750.000	1175.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	950.000	1060.000	0.000	0.000
X1	18560.000	0.000	0.000	0.000	1240.000	1240.000	1240.000	1.000	5.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	930.000	1080.000	0.000	0.000
X1	19800.000	0.000	0.000	0.000	1240.000	1240.000	1240.000	1.000	5.900	0.000
BT	5.000	2290.000	3520.000	0180.000	7600.000	0180.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	540.000	560.000	0.000	0.000
X1	23220.000	15.000	500.000	545.000	3420.000	3420.000	3420.000	0.000	0.000	0.000
GR	745.000	0.000	740.200	100.000	729.400	200.000	729.500	500.000	723.500	400.000
GR	725.900	470.000	722.600	590.000	716.200	514.000	715.800	532.000	724.500	445.000
GR	724.300	560.000	736.200	800.000	750.300	700.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.400	0.000	0.000	0.000	0.000
X1	23266.000	17.000	500.000	599.000	46.000	46.000	46.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	730.600	730.600	0.000
GR	745.000	0.000	740.200	100.000	729.300	200.000	724.500	500.000	725.500	400.000
GR	724.900	470.000	723.600	590.000	723.200	524.000	712.200	535.000	717.100	540.000
GR	717.000	565.000	722.300	575.000	724.800	503.000	725.000	599.000	735.000	670.000
GR	740.000	700.000	795.900	800.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	50.000	5.000	985.000	1.530	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000
X1	23294.000	0.000	0.000	0.000	28.000	28.000	28.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.600	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	733.500	733.400	0.000
BT	11.000	100.000	747.200	0.000	200.000	747.000	0.000	500.000	737.700	0.000
BT	400.000	734.000	0.000	500.000	755.500	0.000	500.000	755.500	750.000	599.000
BT	733.400	750.600	599.000	733.400	0.000	670.000	735.000	0.000	700.000	740.000
BT	0.000	800.000	755.900	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	7.100	400.000	600.000	0.000	0.000
X1	23540.000	12.000	520.000	575.000	96.000	46.000	46.000	0.000	0.000	0.000
GR	746.000	230.000	730.000	280.000	726.000	540.000	726.000	590.000	729.000	505.000
GR	717.600	556.000	717.900	558.000	726.600	575.000	726.000	620.000	728.000	570.000
GR	730.000	700.000	740.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	200.000	550.000	0.000	0.000
X1	23570.000	22.000	260.000	335.000	250.000	250.000	250.000	0.000	0.000	0.000

GR	750.000	170.000	740.000	50.000	730.000	90.000	722.000	110.000	722.000	160.000
GR	724.000	190.000	725.000	220.000	724.000	260.000	724.000	260.000	720.000	280.000
GR	718.500	190.000	725.000	308.000	720.000	320.000	724.000	335.000	728.000	360.000
GR	750.000	0.000	752.000	410.000	749.000	485.000	736.000	500.000	750.000	520.000
GR	740.000	0.000	750.000	580.000	734.000	685.000	736.000	730.000	740.000	740.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	24000.000	13.000	270.000	345.000	450.000	430.000	430.000	0.000	0.000	0.000
GR	750.000	750.000	721.000	750.000	721.000	300.000	722.000	320.000	728.000	355.000
GR	724.000	270.000	722.000	410.000	740.000	440.000	750.000	510.000	760.000	595.000
GR	736.000	400.000	738.000	410.000	740.000	440.000	750.000	510.000	760.000	595.000
GT	5.000	2200.000	3260.000	3810.000	6960.000	5810.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	755.000	1000.000	1000.000	0.000
XI	27380.000	22.000	758.000	302.000	2580.000	2580.000	2580.000	2580.000	0.000	0.000
GR	719.900	200.000	774.800	218.000	768.300	320.000	768.000	460.000	758.000	450.000
GR	756.000	460.000	754.000	540.000	752.000	560.000	730.000	575.000	740.000	590.000
GR	747.000	600.000	748.000	615.000	750.000	625.000	760.000	650.000	770.000	710.000
GR	780.000	810.000	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	7.100	320.000	420.000	0.000	0.000
XI	21900.000	12.000	255.000	410.000	5000.000	6050.000	6050.000	0.000	0.000	0.000
GR	160.000	38.000	178.000	42.000	770.000	39.000	770.000	110.000	112.000	210.000
GR	170.000	38.000	178.000	380.000	770.000	400.000	770.000	410.000	772.000	430.000
GR	170.000	38.000	178.000	380.000	770.000	400.000	770.000	410.000	772.000	430.000
GR	770.000	555.000	765.200	580.000	763.200	400.000	770.000	410.000	772.000	430.000
GR	776.000	450.000	780.000	480.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	5.000	2120.000	3120.000	3630.000	6030.000	5830.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	250.000	1095.000	0.000	0.000
XI	2150.000	0.000	0.000	0.000	250.000	250.000	250.000	250.000	0.000	0.000
GR	13200.000	17.000	1000.000	1055.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	150.000	400.000	166.500	660.000	185.000	190.000	178.500	400.000	178.000	350.000
GR	174.000	670.000	713.800	900.000	772.500	1000.000	764.900	1001.000	764.900	1034.000
GR	774.000	1035.000	773.500	1100.000	776.000	1200.000	770.000	1350.000	101.600	1400.000
GR	766.800	1460.000	790.000	1500.000	0.000	0.000	0.000	0.000	0.000	0.000
SR	1.250	1.500	0.000	0.000	51.000	7.500	458.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	19.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	910.000	1040.000	0.000	0.000
XI	32560.000	0.000	0.000	3.000	160.000	160.000	160.000	0.000	0.300	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	15.000	600.000	790.000	0.000	660.000	766.500	0.000	706.000	706.000	0.000
GT	800.000	785.500	0.000	0.000	785.700	0.000	1000.000	785.500	0.000	1000.000

BT	785.500	779.200	1035.000	785.500	779.200	1035.000	785.500	0.000	1100.000	785.800
BT	0.000	1200.000	786.000	0.000	1300.000	786.100	0.000	1400.000	786.300	0.000
BT	1460.000	786.800	0.000	1500.000	790.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	898.000	1078.000	0.000	0.000

X1	32410.000	19.000	1000.000	1035.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	790.000	440.000	782.700	550.000	780.000	600.000	775.000	700.000	773.600	800.000
GR	775.700	900.000	771.500	1000.000	766.400	1008.000	765.800	1018.000	766.400	1030.000
GR	771.300	1035.000	774.400	1100.000	775.100	1260.000	775.800	1300.000	781.200	1350.000
GR	782.000	1400.000	782.900	1500.000	784.500	1550.000	790.000	1610.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	905.000	1055.000	0.000	0.000

X1	33200.000	24.000	1000.000	1051.000	790.000	790.000	790.000	0.000	0.000	0.000
GR	600.000	390.000	790.000	620.000	788.000	670.000	786.000	690.000	784.100	760.000
GR	781.400	300.000	775.000	900.000	775.000	1000.000	771.000	1007.000	769.500	1025.000
GR	769.900	1038.000	775.000	1051.000	778.000	1074.000	780.000	1100.000	783.200	1150.000
GR	784.300	1186.000	786.000	1190.000	788.000	1210.000	790.000	1250.000	792.000	1310.000
GR	794.000	1320.000	796.000	1380.000	798.000	1420.000	800.000	1450.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	887.000	1037.000	0.000	0.000

X1	33249.000	13.000	1000.000	1023.000	49.000	49.000	49.000	0.000	0.000	0.000
GR	800.000	390.000	790.000	620.000	781.400	800.000	775.000	900.000	775.000	1000.000
GR	766.700	1001.000	768.700	1022.000	775.000	1023.000	780.000	1100.000	763.900	1150.000
GR	790.000	1250.000	792.000	1280.000	794.000	1300.000	796.000	1370.000	800.000	1430.000
SB	1.250	1.500	3.000	0.000	25.000	1.000	210.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	878.000	1048.000	0.000	0.000

X1	33310.000	0.000	0.000	0.000	61.000	61.000	61.000	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
BT	13.000	590.000	600.000	0.000	620.000	790.000	0.000	800.000	781.400	0.000
BT	900.000	780.500	0.000	1000.000	780.600	779.300	1023.000	780.800	779.300	1100.000
BT	701.700	0.000	1150.000	783.900	0.000	1250.000	790.000	0.000	1280.000	792.000
BT	0.000	1300.000	794.000	0.000	1370.000	796.000	0.000	1430.000	800.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	965.000	1155.000	0.000	0.000

X1	33360.000	10.000	1000.000	1048.000	30.000	30.000	30.000	0.000	0.000	0.000
GR	800.000	550.000	785.000	870.000	775.000	970.000	775.000	1000.000	769.900	1007.000
GR	768.900	1021.000	769.300	1033.000	775.000	1048.000	785.000	1380.000	800.000	1450.000
BT	0.000	1020.000	7730.000	2130.000	5300.000	5130.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	815.000	1055.000	0.000	0.000

X1	34140.000	19.000	1000.000	1052.000	700.000	780.000	780.000	1.000	-6.400	0.000
GR	800.000	400.000	800.000	455.000	802.000	500.000	794.900	600.000	788.700	700.000
GR	783.600	600.000	763.200	900.000	784.700	1000.000	773.600	1007.000	778.500	1020.000
GR	783.600	1032.000	780.400	1047.000	788.300	1077.000	788.700	1100.000	789.200	1125.000
GR	800.000	1150.000	802.000	1155.000	804.000	1160.000	806.000	1175.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	835.000	1035.000	0.000	0.000

X1	34930.000	0.000	0.000	0.000	790.000	790.000	790.000	1.000	3.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	835.000	1035.000	0.000	0.000

X1	35720.000	0.000	0.000	0.000	790.000	790.000	790.000	1.000	3.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	925.000	1165.000	0.000	0.000

X1	37160.000	17.000	1000.000	1039.000	1440.000	1440.000	1440.000	0.000	0.000	0.000
GR	810.000	700.000	808.000	745.000	806.000	746.000	804.000	760.000	802.000	775.000
GR	798.400	500.000	791.500	850.000	737.600	900.000	788.800	1000.000	782.500	1007.000
GR	782.500	1018.000	768.900	1039.000	788.200	1100.000	709.000	1200.000	792.100	1300.000
GR	798.900	1400.000	610.000	1550.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	945.000	1145.000	0.000	0.000

X1	37560.000	0.000	0.000	0.000	700.000	700.000	700.000	1.000	3.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	945.000	1145.000	0.000	0.000

X1	38560.000	0.000	0.000	0.000	700.000	700.000	700.000	1.000	3.200	0.000
QT	5.000	1470.000	2270.000	2630.000	4260.000	2630.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1001.000	1047.000	0.000	0.000

X1	38760.000	21.000	1000.000	1043.000	200.000	200.000	200.000	1.000	-2.400	0.000
GR	860.000	150.000	850.000	240.000	835.000	530.000	831.000	625.000	829.000	650.000
GR	827.000	700.000	822.000	800.000	810.000	900.000	802.000	1000.000	795.600	1009.000
GR	792.700	1019.000	792.800	1029.000	797.400	1043.000	802.700	1050.000	804.800	1100.000
GR	805.200	1171.000	806.700	1200.000	808.600	1350.000	810.000	1400.000	820.000	1700.000
GR	850.000	1750.000	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	7.100	1001.000	1047.000	0.000	0.000

X1	38770.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1001.000	1048.000	0.000	0.000

X1	38780.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	100.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	945.000	1045.000	0.000	0.000

X1	39260.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	2.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1040.000	0.000	0.000

X1	39358.000	20.000	1000.000	1027.000	53.000	53.000	58.000	0.000	0.000	0.000
GR	860.000	150.000	850.000	240.000	835.000	530.000	831.000	625.000	829.000	650.000
GR	827.000	700.000	822.000	800.000	810.000	900.000	802.000	1000.000	791.800	1001.000
GR	791.600	1026.000	797.400	1027.000	805.000	1050.000	807.000	1100.000	808.000	1171.000
GR	809.000	1200.000	811.000	1500.000	812.000	1400.000	835.000	1700.000	850.000	1750.000
SP	1.250	1.500	5.000	0.000	27.000	2.000	200.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	790.000	1040.000	0.000	0.000

X1	39461.000	0.000	0.000	0.000	123.000	123.000	123.000	1.000	1.100	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	15.000	150.000	260.000	0.000	260.000	350.000	0.000	530.000	345.000	0.000
BT	625.000	451.000	0.000	700.000	827.000	0.000	800.000	822.000	0.000	900.000
BT	810.000	0.000	1000.000	804.100	809.700	1027.000	804.100	800.700	1100.000	307.000
BT	0.000	1200.000	809.000	0.000	1300.000	811.000	0.000	1400.000	812.000	0.000
BT	1700.000	835.000	0.000	1750.000	850.000	0.000	0.000	0.000	0.000	0.000
NC	0.120	0.120	0.060	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	7.100	990.000	1050.000	0.000	0.000

X1	39490.000	19.000	1000.000	1045.000	29.000	29.000	29.000	0.000	0.000	0.000
GR	830.000	640.000	820.000	830.000	810.000	900.000	808.000	905.000	806.000	915.000
GR	805.200	1000.000	793.500	1012.000	793.300	1019.000	793.400	1026.000	803.500	1045.000
GR	806.000	1070.000	808.000	1170.000	810.000	1260.000	812.000	1390.000	814.000	1410.000
GR	816.000	1510.000	818.000	1535.000	820.000	1550.000	830.000	1570.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000

X1	39491.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39492.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39493.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39494.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39495.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39500.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39510.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39520.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39530.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39540.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	39550.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
NC	0.120	0.120	0.060	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	7.100	990.000	1050.000	0.000	0.000
X1	39600.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
WT	5.000	1250.000	1910.000	2280.000	3370.000	2280.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	42100.000	15.000	1000.000	1043.000	2500.000	2500.000	2500.000	0.000	0.000	0.000
BR	031.600	700.000	624.500	800.000	815.600	900.000	812.500	1900.000	865.500	1009.000
GR	805.800	1022.000	811.600	1043.000	820.600	1100.000	825.600	1125.000	829.500	1170.000
GR	020.000	1171.900	820.000	1320.000	830.000	1321.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1050.000	0.000	0.000
X1	42140.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1160.000	0.000	0.000
X1	42195.000	17.000	1000.000	1160.000	55.000	55.000	55.000	0.000	0.000	0.000
X5	10.000	0.000	0.000	0.000	0.000	0.000	0.000	820.000	820.000	0.000
GR	840.000	630.000	834.100	700.000	827.200	800.000	819.000	900.000	815.600	940.000

GR	813.400	1000.000	810.400	1040.000	806.500	1060.000	805.000	1069.000	807.200	1080.000
GR	812.600	1100.000	820.000	1140.000	825.600	1160.000	829.000	1200.000	820.000	1201.000
GR	820.000	1350.000	830.000	1351.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	3.000	0.000	116.000	7.000	3797.000	0.770	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1160.000	0.000	0.000

X1	42205.000	0.000	0.000	0.000	10.000	10.000	10.000	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	820.000	820.000	0.000
BT	10.000	630.000	840.000	0.000	700.000	839.200	0.000	800.000	837.500	0.000
BT	900.000	830.900	0.000	1000.000	837.000	833.400	1160.000	837.000	533.400	1200.000
BT	837.500	0.000	1201.000	820.000	0.000	1350.000	820.000	0.000	1351.000	830.000
BT	0.000	0.000	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	7.100	960.000	1050.000	0.000	0.000

X1	42220.000	13.000	1000.000	1043.000	15.000	15.000	15.000	0.000	0.000	0.000
GR	831.600	700.000	824.500	800.000	815.600	900.000	812.300	1000.000	805.900	1009.000
GR	805.800	1022.000	811.600	1043.000	820.000	1100.000	825.600	1125.000	829.500	1170.000
GR	820.000	1171.000	820.000	1320.000	830.000	1321.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	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	7.100	980.000	1050.000	0.000	0.000

X1	42240.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1019.000	0.000	0.000

X1	42241.000	17.000	1001.000	1017.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	17.000	130.000	840.000	0.000	500.000	830.000	0.000	640.000	826.000	0.000
BT	810.000	826.000	0.000	870.000	824.000	0.000	935.000	822.000	0.000	1000.000
BT	820.100	0.000	1000.000	820.100	815.900	1017.000	820.300	816.000	1017.000	820.300
BT	0.000	1100.000	820.900	0.000	1200.000	823.900	0.000	1230.000	824.300	0.000
BT	1349.000	827.000	0.000	1350.000	820.000	0.000	1500.000	820.000	0.000	1501.000
BT	530.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	840.000	130.000	830.000	500.000	828.000	640.000	826.000	810.000	824.000	870.000
GR	822.600	935.000	820.100	1000.000	807.500	1001.000	806.000	1017.000	820.300	1019.000
GR	820.900	1100.000	823.900	1200.000	824.500	1230.000	827.000	1349.000	820.000	1350.000
GR	820.000	1500.000	830.000	1501.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1019.000	0.000	0.000

X1	42259.000	0.000	0.000	0.000	18.000	18.000	18.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1060.000	0.000	0.000

X1	42260.000	17.000	1000.000	1044.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	840.000	100.000	830.000	420.000	828.000	460.000	826.000	880.000	824.000	895.000
GR	822.000	897.000	820.000	905.000	810.900	1000.000	807.000	1010.000	806.700	1035.000
GR	813.300	1044.000	816.000	1140.000	820.000	1180.000	827.000	1349.000	830.000	1350.000
GR	820.000	1500.000	830.000	1501.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.120	0.120	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	7.100	1000.000	1060.000	0.000	0.000

X1	42310.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1060.000	0.000	0.000

X1	42500.000	15.000	1000.000	1044.000	190.000	190.000	190.000	1.000	0.700	0.000
GR	840.000	100.000	830.000	420.000	828.000	460.000	826.000	880.000	824.000	895.000
GR	822.000	897.000	820.000	905.000	810.900	1000.000	807.000	1010.000	806.700	1035.000
GR	813.300	1044.000	816.000	1140.000	820.000	1180.000	827.000	1349.000	830.000	1350.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1060.000	0.000	0.000

X1	42600.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1045.000	0.000	0.000
X1	43275.000	16.000	1000.000	1042.000	675.000	675.000	675.000	0.000	0.000	0.000
GR	840.000	500.000	830.000	630.000	827.700	700.000	826.800	800.000	826.400	900.000
GR	819.500	965.000	816.400	1000.000	811.200	1006.000	810.200	1035.000	820.400	1042.000
GR	825.300	1100.000	826.000	1135.000	826.100	1165.000	826.200	1200.000	835.500	1288.000
GR	840.000	1330.000	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	7.100	939.000	1039.000	0.000	0.000
X1	43327.000	16.000	1000.000	1009.000	52.000	52.000	52.000	0.000	0.000	0.000
GR	840.000	500.000	830.000	630.000	827.700	700.000	826.800	800.000	826.400	900.000
GR	819.500	965.000	816.400	1000.000	812.900	1001.000	812.900	1008.000	820.400	1009.000
GR	825.300	1100.000	826.000	1135.000	826.100	1165.000	826.200	1200.000	835.500	1288.000
GR	840.000	1330.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.500	3.000	0.000	9.000	0.000	27.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	950.000	1050.000	0.000	0.000
X1	43374.000	0.000	0.000	0.000	27.000	27.000	27.000	0.000	0.300	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	11.000	500.000	840.000	0.000	630.000	830.000	0.000	700.000	827.700	0.000
BT	800.000	826.700	0.000	900.000	825.500	0.000	1000.000	825.500	822.200	1009.000
BT	825.300	822.200	1100.000	826.900	0.000	1200.000	830.800	0.000	1275.000	835.700
BT	0.000	1330.000	840.000	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	7.100	955.000	1065.000	0.000	0.000
X1	43390.000	19.000	1000.000	1034.000	16.000	16.000	16.000	0.000	0.000	0.000
GR	840.000	500.000	830.000	630.000	827.700	700.000	826.800	800.000	826.400	900.000
GR	818.400	1000.000	810.100	1010.000	815.700	1025.000	815.400	1034.000	825.300	1100.000
GR	826.000	1135.000	826.200	1200.000	835.500	1288.000	840.000	1330.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	962.000	1062.000	0.000	0.000
X1	43450.000	0.000	0.000	0.000	60.000	60.000	60.000	1.000	0.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	900.000	1000.000	0.000	0.000
X1	43600.000	0.000	0.000	0.000	150.000	150.000	150.000	1.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	980.000	1060.000	0.000	0.000
X1	44100.000	15.000	1000.000	1060.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	850.000	550.000	848.000	530.000	846.000	610.000	844.000	730.000	842.000	780.000
GR	838.100	800.000	826.900	933.000	823.200	1060.000	816.300	1008.000	817.500	1020.000
GR	828.400	1060.000	829.700	1100.000	830.100	1200.000	840.000	1230.000	850.000	1300.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	950.000	960.000	0.000	0.000
X1	44150.000	26.000	499.600	512.400	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	825.700	825.700	0.000
GR	850.000	50.000	848.000	80.000	846.000	110.000	844.000	230.000	842.000	280.000
GR	838.100	300.000	826.900	433.000	823.200	499.500	820.000	499.600	819.200	499.600
GR	818.400	500.000	818.000	500.500	817.700	502.000	817.400	504.000	817.300	506.000
GR	817.400	506.000	817.700	510.000	818.000	511.200	818.400	512.000	819.200	512.400
GR	820.000	512.400	828.400	560.000	829.700	500.000	830.100	700.000	840.000	730.000
GR	850.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.500	3.000	0.000	7.000	0.000	81.000	0.300	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	448.000	548.000	0.000	0.000

X1	44231.000	0.000	0.000	0.000	81.000	81.000	81.000	0.000	0.200	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	828.500	828.500	0.000
BT	23.000	50.000	850.000	0.000	80.000	848.000	0.000	110.000	846.000	0.000
BT	230.000	844.000	0.000	280.000	842.000	0.000	300.000	836.500	0.000	400.000
BT	831.600	0.000	499.600	828.500	820.000	500.000	828.500	821.700	500.500	828.500
BT	822.700	502.000	828.500	824.400	504.000	828.500	825.400	506.000	828.500	825.700
BT	508.000	828.500	825.400	510.000	828.500	824.300	511.500	828.500	822.600	512.000
BT	828.500	821.600	512.400	828.500	820.000	560.000	828.400	0.000	600.000	829.700
BT	0.000	700.000	830.100	0.000	730.000	840.000	0.000	800.000	850.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1180.000	0.000	0.000

X1	44245.000	10.000	1000.000	1020.000	14.000	14.000	14.000	0.000	0.000	0.000
GR	850.000	680.000	827.100	1000.000	821.400	1002.000	820.800	1015.000	824.800	1020.000
GR	826.000	1200.000	830.000	1250.000	930.000	1400.000	840.000	1700.000	850.000	1820.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1160.000	0.000	0.000

X1	44300.000	0.000	0.000	0.000	55.000	55.000	55.000	1.000	0.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1150.000	0.000	0.000

X1	44500.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	1.000	0.000
BT	5.000	1240.000	1840.000	2180.000	3000.000	2180.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	945.000	1045.000	0.000	0.000

X1	45100.000	12.000	1000.000	1030.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	860.000	610.000	850.000	685.000	840.000	710.000	832.800	900.000	850.800	1000.000
GR	824.400	1002.000	824.600	1021.000	833.200	1038.000	833.500	1100.000	840.000	1500.000
GR	850.000	1430.000	860.000	1620.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	995.000	1045.000	0.000	0.000

X1	45162.000	17.000	1001.000	1030.000	62.000	62.000	62.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	830.100	830.000	0.000
GR	860.000	425.000	850.000	580.000	840.000	800.000	838.000	850.000	836.000	875.000
GR	834.000	980.000	830.000	1001.000	824.800	1002.000	824.900	1029.000	830.000	1050.000
GR	832.000	1030.000	834.000	1100.000	836.000	1300.000	836.000	1340.000	840.000	1580.000
GR	850.000	1550.000	860.000	1700.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	888.000	1038.000	0.000	0.000

X1	45163.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	10.000	425.000	860.000	0.000	580.000	850.000	0.000	700.000	838.500	0.000
BT	800.000	840.000	0.000	900.000	830.600	0.000	1001.000	833.100	0.000	1021.000
BT	833.100	830.100	1030.000	833.200	830.000	1031.000	833.200	0.000	1100.000	834.000
BT	0.000	1200.000	835.100	0.000	1500.000	837.600	0.000	1400.000	831.100	0.000
BT	1550.000	850.000	0.000	1700.000	860.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1100.000	0.000	0.000

X1	45217.000	0.000	0.000	0.000	54.000	54.000	54.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1100.000	0.000	0.000

X1	45218.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	833.100	833.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1050.000	0.000	0.000

X1	45250.000	13.000	1000.000	1039.000	32.000	32.000	32.000	0.000	0.000	0.000
GR	860.000	450.000	850.000	650.000	840.000	800.000	838.000	820.000	834.800	1000.000
GR	825.500	1005.000	825.800	1034.000	834.800	1039.000	836.000	1300.000	836.000	1340.000

GR	840.000	1360.000	850.000	1550.000	860.000	1700.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1050.000	0.000	0.000

X1	45670.000	0.000	0.000	0.000	420.000	420.000	420.000	0.000	3.000	0.000
NC	0.120	0.120	0.100	0.200	0.400	0.000	0.000	0.000	0.000	0.000
QT	5.000	800.000	1220.000	1500.000	2010.000	1500.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1635.000	0.000	0.000

X1	340.000	10.000	1000.000	1030.000	340.000	340.000	340.000	0.000	0.000	0.000
GR	854.900	760.000	851.500	800.000	840.900	900.000	835.800	1000.000	833.100	1005.000
GR	832.900	1025.000	837.700	1030.000	838.900	1060.000	847.100	1100.000	853.400	1150.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1040.000	0.000	0.000

X1	395.000	0.000	0.000	0.000	54.000	54.000	54.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1120.000	0.000	0.000

X1	395.000	23.000	1000.000	1120.000	1.000	1.000	1.000	0.300	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	848.400	848.400	0.000
GR	850.600	700.000	850.000	800.000	850.000	900.000	850.600	999.000	844.600	1000.000
GR	840.500	1014.000	831.700	1022.000	832.700	1027.000	832.900	1040.000	832.900	1051.000
GR	834.200	1053.000	833.800	1063.000	838.200	1067.000	837.800	1080.000	839.400	1093.000
GR	839.100	1100.000	842.300	1106.000	845.100	1114.000	845.500	1120.000	850.600	1121.000
GR	851.200	1200.000	852.300	1300.000	852.300	1305.000	0.000	0.000	0.000	0.000
SB	0.900	1.500	3.000	0.000	34.000	11.000	1142.000	2.570	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1120.000	0.000	0.000

X1	405.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
Y2	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	850.600	850.600	0.000
BT	11.000	700.000	850.600	0.000	600.000	850.000	0.000	900.000	850.000	0.000
BT	999.000	850.600	848.400	1000.000	850.600	848.400	1050.000	850.300	848.400	1120.000
BT	850.600	848.400	1121.000	850.600	848.400	1200.000	851.200	0.000	1300.000	852.300
BT	0.000	1305.000	852.300	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	7.100	945.000	1035.000	0.000	0.000

X1	410.000	10.000	1000.000	1050.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	854.900	760.000	851.500	800.000	840.900	900.000	835.800	1000.000	833.100	1005.000
GR	832.900	1025.000	837.700	1030.000	838.900	1060.000	847.100	1100.000	853.400	1150.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	980.000	1040.000	0.000	0.000

X1	460.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	980.000	1040.000	0.000	0.000

X1	660.000	0.000	0.000	0.000	350.000	350.000	350.000	1.000	2.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1030.000	0.000	0.000

X1	1050.000	13.000	1000.000	1025.000	350.000	350.000	350.000	1.000	-2.700	0.000
GR	870.000	330.000	861.100	600.000	856.600	700.000	854.000	800.000	851.100	900.000
GR	847.300	1000.000	841.500	1005.000	841.300	1020.000	848.500	1025.000	852.200	1100.000
GR	858.500	1200.000	865.100	1280.000	870.000	1350.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1030.000	0.000	0.000

X1	1500.000	0.000	0.000	0.000	350.000	350.000	350.000	1.000	2.700	0.000
NC	0.015	0.015	0.015	0.500	1.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	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	970.000	1030.000	0.000	0.000

X1	1534.000	13.000	1000.000	1013.000	34.000	34.000	34.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	848.400	848.400	0.000
GR	870.000	330.000	861.800	600.000	857.500	700.000	854.100	800.000	851.000	900.000
GR	847.300	1000.000	839.500	1000.100	839.500	1012.900	847.200	1013.000	851.200	1100.000
GR	857.200	1200.000	865.200	1290.000	870.000	1350.000	0.000	0.000	0.000	0.000
SH	0.000	1.500	3.000	0.000	13.000	0.000	104.000	0.000	839.700	839.500
ET	0.000	0.000	0.000	0.000	0.000	11.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1030.000	0.000	0.000

X1	1587.000	0.000	0.000	0.000	53.000	53.000	53.000	0.000	0.200	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	849.200	849.200	0.000
BT	13.000	330.000	870.000	0.000	600.000	861.800	0.000	700.000	857.500	0.000
BT	800.000	854.100	0.000	900.000	851.000	0.000	1000.000	849.200	848.400	1000.100
BT	849.200	848.400	1012.900	849.200	848.400	1013.000	849.200	848.400	1100.000	851.200
BT	0.000	1200.000	857.200	0.000	1290.000	865.200	0.000	1350.000	870.000	0.000
NC	0.120	0.120	0.060	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	7.100	974.000	1024.000	0.000	0.000

X1	1600.000	13.000	1000.000	1024.000	13.000	13.000	13.000	0.000	0.000	0.000
GR	870.000	330.000	861.100	600.000	856.600	700.000	854.000	800.000	851.100	900.000
GR	844.600	1000.000	840.500	1004.000	841.800	1019.000	848.000	1024.000	852.200	1100.000
GR	858.300	1200.000	865.100	1260.000	870.000	1350.000	0.000	0.000	0.200	0.000
NC	0.000	0.000	0.000	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	10.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1035.000	0.000	0.000

X1	1855.000	11.000	1000.000	1028.000	255.000	255.000	255.000	0.000	0.000	0.000
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.300	1000.000
GR	841.200	1007.000	842.000	1020.000	846.900	1028.000	849.500	1100.000	865.500	1200.000
GR	870.000	1220.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.015	0.015	0.015	0.500	1.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1035.000	0.000	0.000

X1	1805.000	12.000	1000.000	1017.000	50.000	50.000	50.000	0.000	0.200	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.300	1000.000
GR	839.500	1000.100	839.400	1016.900	845.600	1017.000	849.500	1100.000	865.500	1200.000
GR	868.100	1250.000	870.000	1260.000	0.000	0.000	0.000	0.000	0.000	0.000
SH	1.200	1.500	3.000	0.000	17.000	1.000	96.000	0.000	840.000	839.500
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1035.000	0.000	0.000

X1	2195.000	0.000	0.000	0.000	110.000	110.000	110.000	0.000	0.400	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	852.500	852.500	0.000
BT	4.000	660.000	870.000	0.000	700.000	869.600	0.000	809.000	860.700	0.000
BT	900.000	852.700	0.000	1000.000	852.500	846.000	1017.000	852.500	846.000	1100.000
BT	857.000	0.000	1200.000	863.600	0.000	1250.000	868.100	0.000	0.000	0.000
NC	0.120	0.120	0.060	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	7.100	955.000	1035.000	0.000	0.000

X1	2040.000	11.000	1000.000	1028.000	25.000	25.000	25.000	0.000	0.000	0.000
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.300	1000.000
GR	841.800	1007.000	842.000	1020.000	846.900	1028.000	849.500	1100.000	865.500	1200.000
GR	870.000	1220.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	740.000	1100.000	1400.000	1800.000	1400.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	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	7.100	955.000	1035.000	0.000	0.000

 REC2 RELEASE DATED NOV 76 UPDATED FEB 77
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

APR 77 EMF

SUMMARY PRINTOUT

SECNO	CASEL	EG	ELLC	ELMIN	10KXS	U
100.000	677.86	678.80	0.00	663.70	75.07	6110.00
100.000	678.86	680.08	0.00	663.70	73.22	6110.00
820.000	681.87	682.70	0.00	669.10	40.63	6110.00
820.000	682.79	683.59	0.00	669.10	33.51	6110.00
869.000	681.65	683.36	0.00	670.00	99.54	6110.00
869.000	682.68	684.08	0.00	670.00	83.73	6110.00
891.000	681.72	683.41	682.00	670.00	96.63	6110.00
891.000	682.77	684.13	682.00	670.00	81.54	6110.00
950.000	683.30	683.89	0.00	669.10	25.10	6110.00
950.000	683.86	684.53	0.00	669.10	25.12	6110.00
3560.000	687.19	689.55	0.00	673.20	19.60	6110.00
3560.000	689.32	690.35	0.00	673.20	19.83	6110.00
6520.000	692.69	692.74	0.00	678.00	6.79	6110.00
6520.000	693.63	693.68	0.00	678.00	6.85	6110.00
6572.000	692.73	692.77	0.00	678.10	6.99	6110.00
6572.000	693.67	693.72	0.00	678.10	7.07	6110.00
6573.000	692.74	692.77	687.70	678.10	8.84	6110.00
6573.000	693.68	693.72	687.70	678.10	8.80	6110.00
6587.000	692.75	692.79	687.70	678.10	8.78	6110.00
6587.000	693.70	693.75	687.70	678.10	8.72	6110.00
6588.000	692.75	692.79	0.00	678.10	6.91	6110.00
6588.000	693.69	693.74	0.00	678.10	6.97	6110.00
6640.000	692.77	692.83	0.00	678.10	6.82	6110.00
6640.000	693.73	693.78	0.00	678.10	6.90	6110.00
9360.000	695.97	696.72	0.00	680.20	45.83	5230.00
9360.000	696.87	697.69	0.00	680.20	44.73	5230.00

SECNO	CWSEL	EG	ECLC	ELMIN	10K*S	0
12340.000	703.18	703.46	0.00	684.90	13.13	5230.00
12340.000	704.01	704.33	0.00	684.90	13.05	5230.00
12380.000	703.24	703.51	0.00	684.90	12.92	5230.00
12380.000	704.06	704.38	0.00	684.90	12.87	5230.00
12390.000	703.16	703.71	0.00	686.90	22.51	5230.00
12390.000	704.05	704.53	0.00	686.90	21.81	5230.00
12411.000	703.28	703.62	704.80	686.90	21.78	5230.00
12411.000	704.08	704.56	704.80	686.90	17.84	5230.00
12460.000	703.70	703.96	0.00	685.10	11.94	5230.00
12460.000	704.40	704.67	0.00	685.10	11.28	5230.00
15930.000	708.54	708.75	0.00	694.70	16.77	4160.00
15930.000	709.23	709.53	0.00	694.70	18.97	4160.00
15983.000	708.61	708.87	0.00	695.50	23.51	4160.00
15983.000	709.43	709.64	0.00	695.50	16.72	4160.00
16018.000	708.63	708.89	715.70	695.50	23.32	4160.00
16018.000	709.63	709.83	715.70	695.50	14.61	4160.00
16080.000	708.52	709.26	0.00	695.40	37.67	4160.00
16080.000	709.52	710.16	0.00	695.40	27.06	4160.00
17320.000	713.19	713.70	0.00	699.20	33.39	4160.00
17320.000	713.28	713.78	0.00	699.20	32.44	4160.00
18560.000	717.24	717.73	0.00	703.10	31.51	4160.00
18560.000	717.26	717.75	0.00	703.10	31.55	4160.00
19800.000	721.15	721.63	0.00	707.00	31.45	4160.00
19800.000	721.17	721.65	0.00	707.00	31.42	4160.00
23220.000	729.04	729.22	0.00	715.80	16.31	4180.00
23220.000	729.45	729.70	0.00	715.80	18.10	4180.00
23266.000	729.02	729.39	0.00	712.20	23.38	4180.00
23266.000	729.50	729.83	0.00	712.20	22.46	4180.00
23294.000	729.07	729.43	730.60	712.20	23.45	4180.00
23294.000	730.07	730.36	730.60	712.20	16.30	4180.00
23340.000	729.18	729.58	0.00	717.80	35.99	4180.00
23340.000	730.10	730.50	0.00	717.80	29.27	4180.00
23570.000	729.90	730.04	0.00	718.50	10.64	4180.00
23570.000	730.72	730.99	0.00	718.50	14.97	4180.00
24000.000	730.47	731.05	0.00	721.00	45.36	4180.00
24000.000	731.49	732.01	0.00	721.00	32.72	4180.00
25300.000	737.13	737.95	0.00	726.80	61.10	4180.00
25300.000	737.14	738.09	0.00	726.80	67.45	4180.00

SECNO	CWSEL	EG	ELLG	ELMIN	10K+S	Q
27880.000	750.48	750.79	0.00	741.40	40.01	3810.00
27880.000	751.07	751.45	0.00	741.40	39.50	3810.00
28900.000	755.79	756.82	0.00	747.00	24.98	3810.00
28900.000	756.15	757.17	0.00	747.00	76.74	3810.00
31900.000	773.82	774.39	0.00	763.20	42.13	3810.00
31900.000	774.28	774.99	0.00	763.20	47.04	3810.00
32150.000	774.84	775.11	0.00	763.20	21.21	3630.00
32150.000	775.45	775.92	0.00	763.20	27.29	3630.00
32200.000	774.42	775.74	0.00	764.90	121.68	3630.00
32200.000	775.47	776.26	0.00	764.90	69.41	3630.00
32360.000	774.86	776.06	779.20	765.20	111.92	3630.00
32360.000	775.64	776.52	779.20	765.20	76.29	3630.00
32410.000	776.08	776.58	0.00	765.80	51.49	3630.00
32410.000	775.99	776.98	0.00	765.80	79.82	3630.00
33200.000	779.31	779.83	0.00	769.50	33.02	3630.00
33200.000	780.22	780.60	0.00	769.50	20.73	3630.00
33249.000	779.63	780.09	0.00	768.70	62.69	3630.00
33249.000	780.36	780.82	0.00	768.70	53.20	3630.00
33310.000	782.03	782.21	779.30	769.30	23.20	3630.00
33310.000	782.11	782.31	779.30	769.30	29.00	3630.00
33360.000	782.09	782.26	0.00	768.90	11.56	3630.00
33360.000	782.20	782.43	0.00	768.90	13.51	3630.00
34130.000	783.11	783.19	0.00	772.10	12.29	3130.00
34130.000	783.44	783.57	0.00	772.10	15.60	3130.00
34930.000	784.58	784.5	0.00	775.30	36.26	3130.00
34930.000	785.17	785.5	0.00	775.30	37.52	3130.00
35720.000	787.50	787.84	0.00	778.50	40.03	3130.00
35720.000	788.24	788.54	0.00	778.50	40.52	3130.00
37160.000	792.25	792.40	0.00	782.50	25.04	3130.00
37160.000	793.07	793.22	0.00	782.50	20.41	3130.00
37860.000	794.59	795.06	0.00	785.70	30.86	3130.00
37860.000	795.41	795.83	0.00	785.70	32.38	3130.00
38560.000	797.95	798.20	0.00	788.90	44.20	3130.00
38560.000	798.26	799.23	0.00	788.90	44.99	3130.00
38760.000	798.62	800.03	0.00	790.30	136.14	2630.00
38760.000	799.64	800.68	0.00	790.30	86.31	2630.00
38770.000	798.88	800.18	0.00	790.30	120.59	2630.00
38770.000	799.76	800.77	0.00	790.30	31.94	2630.00

SECNO	CWSEL	FG	ELLC	ELMIN	10K+S	0
38780.000	799.09	800.31	0.00	790.30	109.85	2630.00
38780.000	799.88	800.86	0.00	790.30	77.81	2630.00
39280.000	803.27	804.02	0.00	792.70	51.08	2630.00
39280.000	803.28	804.05	0.00	792.70	51.94	2630.00
39338.000	803.49	804.44	0.00	791.60	69.89	2630.00
39338.000	803.52	804.46	0.00	791.60	69.25	2630.00
39461.000	805.32	806.11	800.70	792.70	55.14	2630.00
39461.000	805.32	806.13	800.70	792.70	55.74	2630.00
39490.000	805.69	806.29	0.00	793.30	42.15	2630.00
39490.000	805.65	806.30	0.00	793.30	45.29	2630.00
39491.000	805.70	806.29	0.00	793.30	42.07	2630.00
39491.000	805.65	806.31	0.00	793.30	45.20	2630.00
39492.000	805.70	806.30	0.00	793.30	41.96	2630.00
39492.000	805.66	806.31	0.00	793.30	45.12	2630.00
39493.000	805.71	806.30	0.00	793.30	41.88	2630.00
39493.000	805.66	806.32	0.00	793.30	45.02	2630.00
39494.000	805.71	806.31	0.00	793.30	41.78	2630.00
39494.000	805.67	806.32	0.00	793.30	44.92	2630.00
39495.000	805.72	806.31	0.00	793.30	41.68	2630.00
39495.000	805.67	806.32	0.00	793.30	44.82	2630.00
39500.000	805.75	806.33	0.00	793.30	41.26	2630.00
39500.000	805.70	806.35	0.00	793.30	44.41	2630.00
39510.000	805.80	806.36	0.00	793.30	40.31	2630.00
39510.000	805.75	806.39	0.00	793.30	43.57	2630.00
39520.000	805.85	806.42	0.00	793.30	39.37	2630.00
39520.000	805.81	806.44	0.00	793.30	42.64	2630.00
39530.000	805.90	806.46	0.00	793.30	38.57	2630.00
39530.000	805.86	806.48	0.00	793.30	41.84	2630.00
39540.000	805.95	806.50	0.00	793.30	37.65	2630.00
39540.000	805.91	806.52	0.00	793.30	41.03	2630.00
39550.000	805.00	806.54	0.00	793.30	36.91	2630.00
39550.000	805.96	806.57	0.00	793.30	40.25	2630.00
39600.000	806.23	806.72	0.00	793.30	52.97	2630.00
39600.000	806.19	806.77	0.00	793.30	56.77	2630.00
42100.000	815.59	816.11	0.00	805.80	44.06	2280.00
42100.000	816.03	816.61	0.00	805.80	42.70	2280.00
42140.000	815.83	816.29	0.00	805.80	38.45	2280.00
42140.000	816.35	816.77	0.00	805.80	37.56	2280.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*8	Q
42195.000	816.32	816.48	0.00	805.00	16.30	2280.00
42195.000	816.82	816.96	0.00	805.00	13.19	2280.00
42205.000	816.54	816.50	833.40	805.00	16.15	2280.00
42205.000	816.83	816.97	833.40	805.00	13.10	2280.00
42220.000	816.24	816.62	0.00	805.80	30.40	2280.00
42220.000	816.71	817.10	0.00	805.80	27.79	2280.00
42240.000	816.41	816.69	0.00	805.80	23.52	2280.00
42240.000	816.76	817.16	0.00	805.80	27.85	2280.00
* 42241.000	815.46	819.52	816.00	806.00	241.68	2280.00
* 42241.000	815.46	819.52	816.00	806.00	241.68	2280.00
42259.000	816.65	820.23	816.00	806.00	498.79	2280.00
42259.000	816.65	820.23	816.00	806.00	498.80	2280.00
42260.000	820.90	820.94	0.00	806.70	2.35	2280.00
42260.000	820.71	820.91	0.00	806.70	10.59	2280.00
42310.000	820.90	820.96	0.00	806.70	3.58	2280.00
42310.000	820.75	820.97	0.00	806.70	11.13	2280.00
42500.000	820.97	821.04	0.00	807.40	4.51	2280.00
42500.000	820.97	821.20	0.00	807.40	12.59	2280.00
42600.000	821.01	821.09	0.00	807.70	5.02	2280.00
42600.000	821.09	821.33	0.00	807.70	13.18	2280.00
43275.000	821.49	821.87	0.00	810.20	26.61	2280.00
43275.000	822.16	822.54	0.00	810.20	22.92	2280.00
* 43327.000	822.28	823.09	0.00	812.90	420.91	2280.00
* 43327.000	822.49	823.87	0.00	812.90	358.28	2280.00
43374.000	827.35	827.43	822.20	813.20	20.45	2280.00
43374.000	827.24	827.43	822.20	813.20	34.45	2280.00
43390.000	827.35	827.46	0.00	813.70	6.83	2280.00
43390.000	827.30	827.46	0.00	813.70	9.29	2280.00
43450.000	827.39	827.51	0.00	813.90	7.42	2280.00
43450.000	827.30	827.53	0.00	813.90	10.40	2280.00
43800.000	827.50	827.64	0.00	814.50	9.51	2280.00
43800.000	827.47	827.72	0.00	814.50	12.93	2280.00
44100.000	828.18	828.49	0.00	816.30	30.50	2280.00
44100.000	828.39	828.75	0.00	816.30	32.65	2280.00
44150.000	828.13	828.92	0.00	817.30	82.91	2280.00
44150.000	828.33	829.20	0.00	817.30	83.14	2280.00
44231.000	830.54	830.77	825.70	817.50	24.03	2280.00
44231.000	830.43	830.80	825.70	817.50	32.38	2280.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
44245.000	830.76	830.83	0.00	820.80	14.87	2280.00
44245.000	830.77	830.80	0.00	820.80	23.08	2280.00
44300.000	830.84	830.92	0.00	821.10	17.32	2280.00
44300.000	830.89	831.04	0.00	821.10	29.62	2280.00
44500.000	831.24	831.36	0.00	822.10	26.46	2280.00
44500.000	831.54	831.73	0.00	822.10	38.83	2280.00
45100.000	833.46	834.21	0.00	824.40	86.11	2180.00
45100.000	834.15	834.75	0.00	824.40	60.34	2180.00
45162.000	833.92	834.71	0.00	824.80	70.89	2180.00
45162.000	834.42	835.22	0.00	824.80	64.00	2180.00
* 45163.000	832.32	835.80	830.10	824.80	1259.52	2180.00
* 45163.000	832.83	836.31	830.10	824.80	1259.52	2180.00
45217.000	837.13	837.23	830.10	824.80	50.22	2180.00
45217.000	837.83	838.09	830.10	824.80	83.51	2180.00
45218.000	837.13	837.24	0.00	824.80	10.40	2180.00
45218.000	837.87	838.10	0.00	824.80	14.58	2180.00
45250.000	837.10	837.34	0.00	825.50	19.19	2180.00
45250.000	837.84	838.22	0.00	825.50	24.90	2180.00
45670.000	838.14	838.84	0.00	828.50	60.30	2180.00
45670.000	839.09	839.65	0.00	828.50	43.36	2180.00
340.000	840.54	840.71	0.00	832.90	44.93	1500.00
340.000	840.73	841.11	0.00	832.90	40.09	1500.00
395.000	840.63	840.94	0.00	832.90	36.99	1500.00
395.000	841.02	841.32	0.00	832.90	31.24	1500.00
395.000	840.80	840.97	0.00	831.70	23.08	1500.00
395.000	841.20	841.35	0.00	831.70	18.39	1500.00
405.000	840.83	841.00	840.40	831.70	22.66	1500.00
405.000	841.23	841.37	848.40	831.70	18.14	1500.00
410.000	840.78	841.07	0.00	832.90	33.41	1500.00
410.000	841.15	841.44	0.00	832.90	30.59	1500.00
460.000	840.95	841.26	0.00	833.30	39.39	1500.00
460.000	841.23	841.70	0.00	833.30	45.57	1500.00
800.000	842.63	843.24	0.00	836.00	60.98	1500.00
800.000	843.06	843.70	0.00	836.00	73.13	1500.00
1050.000	846.19	847.52	0.00	838.60	172.01	1500.00
1050.000	846.32	847.56	0.00	838.60	157.30	1500.00
1500.000	850.48	851.06	0.00	841.30	62.21	1500.00
1500.000	850.48	851.15	0.00	841.30	68.25	1500.00

SECNO	CASEL	EG	ELLC	ELMIN	10K+S	0
1539.000	851.09	851.28	0.00	839.50	2.22	1500.00
1539.000	850.82	851.29	0.00	839.50	4.82	1500.00
1587.000	851.41	851.57	848.40	839.70	1.99	1500.00
1587.000	851.00	851.47	848.40	839.70	4.45	1500.00
1600.000	851.41	851.61	0.00	840.50	19.94	1500.00
1600.000	851.15	851.53	0.00	840.50	36.03	1500.00
1855.000	851.90	852.01	0.00	841.80	12.04	1500.00
1855.000	852.01	852.26	0.00	841.80	20.90	1500.00
1905.000	852.02	852.05	0.00	839.50	0.27	1500.00
1905.000	852.23	852.34	0.00	839.50	0.65	1500.00
2105.000	853.93	853.25	846.00	839.90	0.11	1500.00
2105.000	853.92	854.00	846.00	839.90	0.39	1500.00
2040.000	853.93	853.97	0.00	841.80	3.94	1500.00
2040.000	853.92	854.07	0.00	841.80	9.81	1500.00
2806.000	854.41	854.84	0.00	846.90	53.80	1400.00
2806.000	855.09	855.48	0.00	846.90	41.09	1400.00
2853.000	854.81	855.00	0.00	846.00	3.26	1400.00
2853.000	855.16	855.60	0.00	846.00	5.90	1400.00
2907.000	854.91	855.07	852.00	846.00	2.83	1400.00
2907.000	855.20	855.60	852.00	846.00	5.29	1400.00
2920.000	854.92	855.51	0.00	846.80	68.96	1400.00
2920.000	854.22	855.76	0.00	846.80	61.79	1400.00

APR 77 EMP

SUMMARY PRINTOUT

SECHO	CHSEL	SSTA	STCHL	STCHR	ENDSY	TOPWID
100.000	677.86	433.52	500.00	554.00	771.09	337.57
100.000	678.86	495.00	500.00	554.00	650.00	155.00
820.000	681.87	929.89	1000.00	1070.00	1090.36	160.49
820.000	682.79	995.00	1000.00	1070.00	1075.00	80.00
869.000	681.63	1000.00	1000.00	1061.00	1061.00	61.00
869.000	682.68	1000.00	1000.00	1061.00	1061.00	61.00
891.000	681.72	1000.00	1000.00	1061.00	1061.00	61.00
891.000	682.77	1000.00	1000.00	1061.00	1061.00	61.00
950.000	683.30	924.54	1000.00	1070.00	1095.84	171.30
950.000	683.86	995.00	1000.00	1070.00	1075.00	80.00
3560.000	689.19	903.11	1000.00	1040.00	1193.87	290.76
3560.000	689.92	986.30	1000.00	1040.00	1111.71	125.41
6520.000	692.69	457.60	966.00	1000.00	1042.62	585.02
6520.000	693.63	569.68	966.00	1000.00	1000.00	430.32
6572.000	692.73	457.99	966.00	1000.00	1041.28	585.28
6572.000	693.67	571.54	966.00	1000.00	1000.00	428.68
6575.000	692.74	457.96	966.00	1000.00	1041.40	585.44
6575.000	693.68	565.56	966.00	1000.00	1000.00	434.44
6587.000	692.75	457.86	966.00	1000.00	1041.72	585.85
6587.000	693.70	564.96	966.00	1000.00	1000.00	435.04
6588.000	692.75	457.85	966.00	1000.00	1041.76	585.91
6588.000	693.69	570.45	966.00	1000.00	1000.00	429.55
6640.000	692.79	457.68	966.00	1000.00	1042.41	584.74
6640.000	693.73	570.11	966.00	1000.00	1000.00	429.89
9360.000	695.97	784.81	1000.00	1055.00	1103.56	318.75
9360.000	696.87	946.39	1000.00	1055.00	1055.00	108.61
12340.000	703.18	914.20	1000.00	1050.00	1139.84	225.64
12340.000	704.01	956.47	1000.00	1050.00	1098.05	141.56
12380.000	703.24	913.93	1000.00	1050.00	1140.10	226.17
12380.000	704.06	956.54	1000.00	1050.00	1098.17	141.84
12390.000	703.16	1000.00	1000.00	1071.00	1071.00	71.00
12390.000	704.05	1000.00	1000.00	1071.00	1071.00	71.00
12411.000	703.28	1000.00	1000.00	1071.00	1071.00	71.00
12411.000	704.08	1000.00	1000.00	1071.00	1071.00	71.00
12460.000	703.70	912.56	1000.00	1050.00	1141.42	228.86
12460.000	704.40	951.42	1000.00	1050.00	1103.23	151.81

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
15930.000	708.54	775.35	1000.00	1050.00	1136.77	361.41
15930.000	709.23	892.22	1000.00	1050.00	1071.86	179.65
15983.000	708.51	1000.00	1000.00	1152.00	1152.00	152.00
15983.000	709.43	1000.00	1000.00	1152.00	1152.00	152.00
16018.000	708.63	1000.00	1000.00	1152.00	1152.00	152.00
16018.000	709.63	1000.00	1000.00	1152.00	1152.00	152.00
16080.000	708.52	937.61	1000.00	1047.00	1058.43	118.81
16080.000	709.52	935.00	1000.00	1047.00	1055.00	120.00
17320.000	713.19	927.25	1000.00	1040.00	1087.28	160.00
17320.000	713.26	840.00	1000.00	1040.00	1080.00	140.00
18560.000	717.29	926.21	1000.00	1040.00	1087.36	161.35
18560.000	717.26	930.00	1000.00	1040.00	1080.00	150.00
19800.000	721.15	926.17	1000.00	1040.00	1087.57	161.40
19800.000	721.17	930.00	1000.00	1040.00	1080.00	150.00
23220.000	729.04	207.15	500.00	545.00	574.66	367.71
23220.000	729.45	340.00	500.00	545.00	560.00	220.00
23266.000	729.02	500.00	500.00	599.00	599.00	99.00
23266.000	729.50	500.00	500.00	599.00	599.00	99.00
23294.000	729.07	500.00	500.00	599.00	599.00	99.00
23294.000	730.07	500.00	500.00	599.00	599.00	99.00
23340.000	729.18	304.72	525.00	575.00	607.64	382.92
23340.000	730.10	400.00	525.00	575.00	600.00	260.00
23570.000	729.90	90.24	260.00	335.00	407.62	317.32
23570.000	730.72	260.00	260.00	335.00	350.00	150.00
24000.000	730.47	184.36	270.00	345.00	358.30	173.95
24000.000	731.49	250.00	270.00	345.00	350.00	100.00
25300.000	737.13	251.49	280.00	320.00	405.64	154.14
25300.000	737.14	270.00	280.00	320.00	370.00	100.00
27880.000	750.48	667.19	759.00	802.00	1205.67	518.47
27880.000	751.07	755.00	759.00	802.00	1000.00	245.00
28900.000	755.79	468.38	575.00	625.00	639.48	171.09
28900.000	756.15	550.00	575.00	625.00	640.00	90.00
31900.000	773.82	119.02	355.00	410.00	439.10	320.00
31900.000	774.28	320.00	355.00	410.00	420.00	100.00
32130.000	774.84	161.59	355.00	410.00	444.21	342.62
32130.000	775.45	320.00	355.00	410.00	420.00	100.00
32200.000	774.42	865.74	1000.00	1035.00	1137.02	271.28
32200.000	775.47	895.00	1000.00	1035.00	1095.00	200.00

SECNO	CWSFL	SSTA	STCHL	STCHR	ENDST	TOPWID
32360.000	774.86	864.41	1000.00	1035.00	1142.37	277.96
32360.000	775.64	910.00	1000.00	1035.00	1090.00	180.00
32410.000	774.08	678.56	1000.00	1035.00	1302.53	623.99
32410.000	775.99	898.00	1000.00	1035.00	1078.00	180.00
33200.000	779.47	850.07	1000.00	1051.00	1093.18	263.11
33200.000	780.22	905.00	1000.00	1051.00	1055.00	150.00
33249.000	779.63	827.70	1000.00	1024.00	1094.26	266.55
33249.000	780.36	887.00	1000.00	1023.00	1037.00	150.00
33310.000	782.03	799.38	1000.00	1023.00	1118.33	318.96
33310.000	782.11	878.00	1000.00	1023.00	1048.00	170.00
33360.000	782.09	899.10	1000.00	1048.00	1263.40	384.30
33360.000	782.20	965.00	1000.00	1048.00	1135.00	170.00
34140.000	783.11	687.00	1000.00	1032.00	1125.71	438.71
34140.000	783.40	815.00	1000.00	1032.00	1035.00	220.00
34930.000	784.58	718.06	1000.00	1032.00	1045.06	327.00
34930.000	785.17	835.00	1000.00	1032.00	1035.00	200.00
35720.000	787.60	721.39	1000.00	1032.00	1044.53	323.14
35720.000	788.24	835.00	1000.00	1032.00	1035.00	200.00
37160.000	792.25	844.53	1000.00	1039.00	1302.28	457.75
37160.000	793.01	925.00	1000.00	1039.00	1165.00	240.00
37860.000	794.59	851.46	1000.00	1039.00	1276.96	429.50
37860.000	795.41	945.00	1000.00	1039.00	1145.00	200.00
38560.000	797.95	849.65	1000.00	1039.00	1282.22	432.57
38560.000	798.86	945.00	1000.00	1039.00	1145.00	200.00
38760.000	798.62	1001.04	1000.00	1043.00	1047.61	46.57
38760.000	799.64	1001.00	1000.00	1043.00	1047.00	46.00
38770.000	798.88	1000.77	1000.00	1043.00	1047.94	47.18
38770.000	799.76	1001.00	1000.00	1043.00	1047.00	46.00
38780.000	799.09	1000.54	1000.00	1043.00	1048.21	47.66
38780.000	799.88	1001.00	1000.00	1043.00	1048.00	47.00
39280.000	803.27	980.15	1000.00	1043.00	1059.69	75.50
39280.000	803.28	995.00	1000.00	1043.00	1045.00	50.00
39338.000	803.49	981.32	1000.00	1027.00	1045.44	64.13
39338.000	803.52	990.00	1000.00	1027.00	1040.00	50.00
39461.000	803.32	972.22	1000.00	1027.00	1047.65	75.43
39461.000	803.32	990.00	1000.00	1027.00	1040.00	50.00
39490.000	803.64	924.31	1000.00	1045.00	1066.93	142.63
39490.000	803.65	990.00	1000.00	1045.00	1050.00	60.00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
39491.000	805.70	924.18	1000.00	1045.00	1066.98	142.79
39491.000	805.65	990.00	1000.00	1045.00	1050.00	60.00
39492.000	805.70	924.04	1000.00	1045.00	1067.02	142.98
39492.000	805.66	990.00	1000.00	1045.00	1050.00	60.00
39493.000	805.71	923.88	1000.00	1045.00	1067.07	143.19
39493.000	805.66	990.00	1000.00	1045.00	1050.00	60.00
39494.000	805.71	923.72	1000.00	1045.00	1067.13	143.41
39494.000	805.67	990.00	1000.00	1045.00	1050.00	60.00
39495.000	805.72	923.55	1000.00	1045.00	1067.18	143.63
39495.000	805.67	990.00	1000.00	1045.00	1050.00	60.00
39500.000	805.75	922.88	1000.00	1045.00	1067.41	144.53
39500.000	805.70	990.00	1000.00	1045.00	1050.00	60.00
39510.000	805.80	921.30	1000.00	1045.00	1067.92	146.62
39510.000	805.75	990.00	1000.00	1045.00	1050.00	60.00
39520.000	805.85	919.72	1000.00	1045.00	1068.45	148.73
39520.000	805.81	990.00	1000.00	1045.00	1050.00	60.00
39530.000	805.90	918.32	1000.00	1045.00	1068.91	150.58
39530.000	805.86	990.00	1000.00	1045.00	1050.00	60.00
39540.000	805.95	916.69	1000.00	1045.00	1069.44	152.76
39540.000	805.91	990.00	1000.00	1045.00	1050.00	60.00
39550.000	806.00	915.34	1000.00	1045.00	1069.89	154.54
39550.000	805.96	990.00	1000.00	1045.00	1050.00	60.00
39600.000	806.25	915.63	1000.00	1045.00	1081.42	167.79
39600.000	806.19	990.00	1000.00	1045.00	1050.00	60.00
42100.000	815.59	900.20	1000.00	1043.00	1070.10	169.90
42100.000	815.05	990.00	1000.00	1043.00	1050.00	60.00
42140.000	815.83	897.46	1000.00	1043.00	1071.63	174.21
42140.000	816.35	960.00	1000.00	1043.00	1050.00	90.00
42195.000	816.32	1000.00	1000.00	1160.00	1120.11	120.11
42195.000	816.82	1000.00	1000.00	1160.00	1122.81	122.81
42205.000	816.34	1000.00	1000.00	1160.00	1120.21	120.21
42205.000	816.83	1000.00	1000.00	1160.00	1122.89	122.89
42220.000	816.24	892.83	1000.00	1043.00	1074.48	181.85
42220.000	816.71	960.00	1000.00	1043.00	1050.00	90.00
42240.000	816.41	890.90	1000.00	1043.00	1075.64	184.74
42240.000	816.76	986.00	1000.00	1043.00	1050.00	70.00
* 42241.000	815.46	1000.37	1001.00	1017.00	1018.32	17.95
* 42241.000	815.46	1000.37	1001.00	1017.00	1018.32	17.95

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWD
42259.000	816.65	1000.27	1001.00	1017.00	1018.49	18.22
42259.000	816.65	1000.27	1001.00	1017.00	1018.49	18.21
42260.000	820.90	901.41	1000.00	1044.00	1500.09	650.50
42260.000	820.71	1000.00	1000.00	1044.00	1060.00	60.00
42310.000	820.90	901.39	1000.00	1044.00	1500.09	450.61
42310.000	820.75	1000.00	1000.00	1044.00	1060.00	60.00
42500.000	820.97	903.57	1000.00	1044.00	1186.19	282.22
42500.000	820.97	1000.00	1000.00	1044.00	1060.00	60.00
42600.000	821.01	904.96	1000.00	1044.00	1180.11	275.13
42600.000	821.09	1000.00	1000.00	1044.00	1060.00	60.00
43275.000	821.49	986.28	1000.00	1042.00	1054.87	106.59
43275.000	822.16	985.00	1000.00	1042.00	1045.00	60.00
43327.000	822.28	939.82	1000.00	1009.00	1043.89	105.07
43327.000	822.49	939.00	1000.00	1009.00	1039.00	100.00
43374.000	827.35	772.45	1000.00	1009.00	1208.03	435.00
43374.000	827.24	956.00	1000.00	1009.00	1050.00	100.00
43390.000	827.35	738.40	1000.00	1034.00	1210.92	472.52
43390.000	827.30	955.00	1000.00	1034.00	1065.00	110.00
43450.000	827.39	756.55	1000.00	1034.00	1208.58	452.69
43450.000	827.34	962.00	1000.00	1034.00	1062.00	100.00
43600.000	827.50	825.47	1000.00	1034.00	1204.71	379.24
43600.000	827.49	968.00	1000.00	1034.00	1058.00	90.00
44100.000	828.16	917.76	1000.00	1060.00	1059.21	141.45
44100.000	828.39	980.00	1000.00	1060.00	1059.95	79.95
44150.000	828.13	418.42	499.60	512.40	558.46	140.03
44150.000	828.35	460.00	499.60	512.40	540.00	80.00
44231.000	830.54	392.15	499.60	512.40	700.75	308.50
44231.000	830.43	448.00	499.60	512.40	548.00	100.00
44245.000	830.76	948.83	1000.00	1020.00	1422.86	474.03
44245.000	830.77	1000.00	1000.00	1020.00	1180.00	180.00
44300.000	830.84	951.88	1000.00	1020.00	1416.50	464.42
44300.000	830.89	1000.00	1000.00	1020.00	1160.00	160.00
44300.000	831.24	960.28	1000.00	1020.00	1249.28	289.00
44300.000	831.54	1000.00	1000.00	1020.00	1130.00	150.00
45100.000	833.46	887.27	1000.00	1038.00	1090.65	203.58
45100.000	834.15	945.00	1000.00	1038.00	1045.00	100.00
45162.000	833.92	980.43	1001.00	1030.00	1097.96	117.53
45162.000	834.42	995.00	1001.00	1030.00	1045.00	50.00

SECNO	CWSFL	SSSTA	STCHL	STCHR	ENDST	TOPWID
* 45163.000	832.32	988.81	1001.00	1030.00	1058.04	69.23
* 45163.000	832.83	988.00	1001.00	1030.00	1038.00	50.00
45217.000	837.13	860.83	1001.00	1030.00	1322.67	461.84
45217.000	837.83	1000.00	1001.00	1030.00	1100.00	100.00
45218.000	837.13	860.92	1001.00	1030.00	1322.53	461.62
45218.000	837.87	1000.00	1001.00	1030.00	1100.00	100.00
45250.000	837.10	870.71	1000.00	1039.00	1321.97	451.26
45250.000	837.84	1000.00	1000.00	1039.00	1050.00	50.00
45670.000	838.14	980.72	1000.00	1039.00	1113.53	132.81
45670.000	839.09	1000.00	1000.00	1039.00	1050.00	50.00
340.000	840.34	911.00	1000.00	1030.00	1067.82	156.02
340.000	840.73	955.00	1000.00	1030.00	1035.00	80.00
395.000	840.63	905.42	1000.00	1030.00	1068.41	162.98
395.000	841.02	940.00	1000.00	1030.00	1040.90	100.00
395.000	840.80	1012.97	1000.00	1120.00	1103.19	90.23
395.000	841.20	1011.61	1000.00	1120.00	1103.94	92.33
405.000	840.83	1012.86	1000.00	1120.00	1103.25	90.39
405.000	841.23	1011.52	1000.00	1120.00	1103.99	92.46
410.000	840.78	902.43	1000.00	1030.00	1069.15	166.72
410.000	841.15	945.00	1000.00	1030.00	1035.00	90.00
460.000	840.93	907.39	1000.00	1030.00	1067.92	160.52
460.000	841.23	980.00	1000.00	1030.00	1040.00	60.00
800.000	842.63	926.79	1000.00	1030.00	1063.09	156.50
800.000	843.06	980.00	1000.00	1030.00	1040.00	60.00
1050.000	846.19	958.28	1000.00	1025.00	1032.81	74.53
1050.000	846.32	970.00	1000.00	1025.00	1030.00	60.00
1500.000	850.48	916.11	1000.00	1025.00	1055.29	149.15
1500.000	850.48	970.00	1000.00	1025.00	1030.00	60.00
1534.000	851.09	896.88	1000.00	1015.00	1097.75	200.88
1534.000	850.82	970.00	1000.00	1015.00	1030.00	60.00
1587.000	851.41	893.26	1000.00	1015.00	1100.15	206.89
1587.000	851.00	970.00	1000.00	1015.00	1030.00	60.00
1600.000	851.41	869.30	1000.00	1024.00	1085.71	176.40
1600.000	851.15	970.00	1000.00	1024.00	1024.00	50.00
1855.000	851.90	862.25	1000.00	1028.00	1115.02	232.77
1855.000	852.01	955.00	1000.00	1028.00	1035.00	80.00
1905.000	852.02	881.07	1000.00	1017.00	1115.73	234.66
1905.000	852.23	955.00	1000.00	1017.00	1035.00	80.00

SECNO	CWSEL	BSTA	STCHL	STCHR	ENDST	TOPWID
2105.000	853.93	865.24	1000.00	1017.00	1125.23	260.00
2105.000	853.92	955.00	1000.00	1017.00	1035.00	80.00
2040.000	853.93	861.16	1000.00	1028.00	1127.68	266.52
2040.000	853.92	955.00	1000.00	1028.00	1035.00	80.00
2600.000	854.81	906.73	1000.00	1029.00	1201.77	293.04
2600.000	855.09	955.00	1000.00	1029.00	1035.00	80.00
2853.000	854.61	897.66	1000.00	1013.00	1186.90	289.89
2853.000	855.16	1000.00	1000.00	1013.00	1080.00	50.00
2907.000	854.91	894.49	1000.00	1013.00	1191.33	296.84
2907.000	855.20	1000.00	1000.00	1013.00	1085.00	85.00
2920.000	854.92	894.16	1000.00	1028.00	1046.30	154.14
2920.000	855.22	948.00	1000.00	1028.00	1028.00	80.00

SUMMARY OF ERRORS

CAUTION SECNO=33310.000 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO=42241.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO=42241.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=42241.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=42241.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO=42241.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=42241.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=43327.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO=43327.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=43327.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=43327.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO=43327.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=43327.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=45163.000 PROFILE= 1 SLOPE TOO STEEP

CAUTION SECNO=45163.000 PROFILE= 2 SLOPE TOO STEEP

FLOODWAY DATA, APR 77 EMF
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
100.000	155.	912.	6.7	678.9	677.9	1.0
820.000	80.	889.	6.9	682.8	681.9	0.9
809.000	61.	643.	2.5	682.7	681.6	1.1
891.000	61.	649.	9.4	682.8	681.7	1.1
950.000	80.	975.	6.3	683.9	683.3	0.6
3560.000	125.	1486.	4.1	689.9	689.2	0.7
6520.000	436.	3975.	1.5	693.6	692.7	0.9
6572.000	429.	3950.	1.6	693.6	692.7	0.9
6573.000	424.	3898.	1.6	693.6	692.7	0.9
6587.000	435.	3911.	1.6	693.7	692.8	0.9
6588.000	430.	3952.	1.5	693.6	692.7	0.9
6640.000	430.	3956.	1.5	693.7	692.8	0.9
9360.000	109.	645.	6.2	696.9	696.0	0.9
12340.000	142.	1559.	5.4	704.0	703.2	0.8
12380.000	142.	1546.	5.4	704.0	703.2	0.8
12390.000	71.	942.	5.6	704.1	703.2	0.9
12411.000	71.	945.	5.5	704.1	703.3	0.8
A 12460.000	152.	1655.	5.2	704.4	703.7	0.7
B 15930.000	180.	1506.	5.2	709.2	708.5	0.7
15933.000	152.	1129.	5.7	709.4	708.6	0.8
16016.000	152.	1139.	5.6	709.4	708.6	1.0
16080.000	120.	852.	4.9	709.5	708.5	1.0
17320.000	140.	996.	4.2	713.3	713.2	0.1
18560.000	150.	1019.	4.1	717.2	717.2	0.0
C 19260.000	150.	1021.	4.1	721.1	721.1	0.0
D 23220.000	220.	1520.	2.6	729.4	729.0	0.4
23266.000	99.	909.	4.6	729.5	729.0	0.5
23294.000	99.	965.	4.3	730.1	729.1	1.0
23340.000	200.	1185.	3.5	730.1	729.2	0.9
23570.000	150.	1232.	3.4	730.7	729.9	0.8
24000.000	100.	793.	5.3	731.5	730.5	1.0
25300.000	100.	691.	6.1	737.1	737.1	0.0
E 27850.000	245.	1162.	3.3	751.1	750.2	0.9
28900.000	90.	556.	6.9	756.2	755.8	0.4
31900.000	100.	670.	5.7	774.3	773.8	0.5
F 32150.000	100.	786.	4.6	775.4	774.8	0.6
32200.000	200.	766.	6.7	775.4	774.4	1.0
32360.000	180.	797.	5.1	775.7	774.9	0.8
32410.000	150.	709.	5.1	776.1	776.1	0.0
G 33200.000	150.	984.	5.7	780.3	779.5	0.8
33249.000	150.	931.	3.9	780.3	779.6	0.7
33310.000	170.	1210.	3.0	782.1	782.0	0.1
33560.000	170.	1319.	2.6	782.2	782.1	0.1
34140.000	220.	1466.	2.1	783.4	783.1	0.3
34530.000	200.	1630.	3.0	785.2	784.6	0.6
H 35720.000	200.	1018.	5.1	788.2	787.6	0.6
I 37160.000	240.	1253.	2.5	793.1	792.3	0.8
37860.000	200.	892.	5.5	795.4	794.6	0.8
38560.000	200.	942.	3.3	798.8	797.9	0.9
38760.000	46.	529.	8.0	799.6	798.6	1.0

FLOODWAY DATA, APR 77 ENF
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
38770.000	46.	335.	7.9	799.8	798.9	0.9
38780.000	47.	341.	7.7	799.4	799.1	0.3
39280.000	50.	386.	6.8	803.3	803.3	0.0
39338.000	50.	377.	7.0	803.5	803.5	0.0
39461.000	50.	412.	6.4	805.3	805.3	0.0
J 39490.000	60.	428.	6.1	805.7	805.7	0.0
39491.000	60.	429.	6.1	805.7	805.7	0.0
39492.000	60.	429.	6.1	805.7	805.7	0.0
39493.000	60.	429.	6.1	805.7	805.7	0.0
39494.000	60.	430.	6.1	805.7	805.7	0.0
39495.000	60.	430.	6.1	805.7	805.7	0.0
39500.000	60.	431.	6.1	805.7	805.7	0.0
39510.000	60.	436.	6.1	805.8	805.8	0.0
39520.000	60.	457.	6.0	805.9	805.9	0.0
39530.000	60.	441.	6.0	805.9	805.9	0.0
39540.000	60.	444.	5.9	806.0	806.0	0.0
39550.000	60.	447.	5.9	806.0	806.0	0.0
39600.000	60.	461.	5.7	806.2	806.2	0.0
K 42100.000	60.	412.	5.5	816.0	815.6	0.4
42140.000	90.	520.	4.3	816.3	815.6	0.7
42195.000	123.	760.	3.0	816.6	816.3	0.3
42205.000	123.	770.	3.0	816.8	816.3	0.5
42220.000	90.	560.	4.1	816.7	816.2	0.5
42240.000	70.	494.	4.6	816.7	816.4	0.3
42291.000	18.	180.	15.4	815.5	815.5	0.0
42259.000	18.	158.	14.5	816.6	816.6	0.0
42260.000	30.	615.	3.4	820.8	820.9	-0.1
L 42310.000	60.	678.	3.4	820.9	820.9	0.0
42500.000	50.	648.	3.5	821.0	821.0	0.0
42600.000	60.	638.	3.6	821.1	821.0	0.1
43275.000	60.	512.	4.5	822.2	821.5	0.7
43327.000	100.	320.	7.1	822.5	822.3	0.2
43374.000	100.	750.	3.0	827.3	827.3	0.0
M 43390.000	110.	958.	2.4	827.4	827.4	0.0
43450.000	100.	886.	2.6	827.4	827.4	0.0
43600.000	90.	785.	2.9	827.5	827.5	0.0
44100.000	50.	517.	4.4	828.4	828.2	0.2
N 44150.000	40.	459.	5.0	828.5	828.1	0.4
44231.000	100.	705.	3.2	830.5	830.5	0.0
44245.000	100.	1049.	2.2	830.8	830.8	0.0
44300.000	160.	921.	2.5	830.9	830.8	0.1
44500.000	150.	819.	2.8	831.5	831.2	0.3
45100.000	100.	445.	4.9	834.2	833.5	0.7
45162.000	50.	550.	6.2	834.4	833.9	0.5
45163.000	50.	140.	15.0	832.8	832.5	0.3
45217.000	100.	583.	3.7	837.8	837.1	0.7
45218.000	100.	761.	2.9	837.8	837.1	0.7
45250.000	50.	463.	4.7	837.8	837.1	0.7
45670.000	50.	375.	5.8	839.0	838.1	0.9
340.000	80.	396.	3.8	840.7	840.5	0.2

FLOODWAY DATA, APR 77 GME
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
395.000	100.	475.	3.2	841.0	840.6	0.4
395.000	92.	469.	3.1	841.2	840.8	0.4
405.000	92.	491.	3.1	841.2	840.8	0.4
410.000	90.	459.	3.3	841.2	840.8	0.4
A 460.000	80.	336.	4.5	841.2	840.9	0.3
800.000	60.	203.	5.3	843.0	842.6	0.4
1050.000	60.	194.	7.7	846.3	846.2	0.1
1500.000	60.	282.	5.3	850.5	850.5	0.0
1534.000	50.	290.	5.2	850.9	851.1	-0.2
1587.000	60.	290.	5.2	851.1	851.4	-0.3
B 1600.000	50.	364.	4.1	851.2	851.4	-0.2
1855.000	80.	500.	3.0	852.0	851.9	0.1
1905.000	80.	578.	2.6	852.2	852.0	0.2
2105.000	80.	681.	2.2	853.9	853.9	0.0
C 2640.000	80.	655.	2.3	853.9	853.9	0.0
2800.000	80.	363.	3.9	855.1	854.4	0.7
D 2853.000	80.	278.	5.0	855.1	854.8	0.3
2907.000	85.	293.	4.8	855.2	854.9	0.3
2920.000	80.	298.	4.7	855.2	854.9	0.3

THIS RUN EXECUTED 9 JUL 81 12:13:42

 DECP RELEASE DATED NOV 75 UPDATED APRIL 1980
 ERROR CORR - 01,02,03,00
 MODIFICATION - 50,51,52,53,50

11 WILFORD COUNTY FIA STUDY--100 YR FLOOD(RATIONAL)
 12 FIA STUDY-DEEP RIVER, F. FORK DEEP RIVER
 13 APR 1977 OLD REVISED JULY 1977 GRB

11	ICHECK	INH	WBY	ICIC	SIRI	SLRIC	LRINS	0	ASL	00
	0	2	0	0	0.000000	0.00	0.0	0	759.500	0.000

12	PROF	IPDI	PLYS	XSLCV	XSECH	FE	ALOC	TR	CHRI	ITRAC
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

13	VARIABLE COSTS FOR SUBARY PRINCPAL									
	50.000	1.000	5.000	62.000	31.000	39.000	4.000	5.000	0.000	20.000

	1.000	15.000	12.000	13.000	55.000	26.000	36.000	0.000	30.000	1.000
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	54.000	21.000	27.000	79.000	8.000	0.000	100.000	201.000	0.000	0.000
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00	0.100	0.100	0.050	0.200	0.000	0.000	0.000	0.000	0.000	0.000
01	7.000	800.000	800.000	1550.000	1000.000	1050.000	700.000	1000.000	1500.000	200.000
02	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	150.000	20.000

03	5000.000	10.000	150.000	500.000	0.000	0.000	0.000	0.000	0.000	0.000
04	775.000	0.000	775.000	20.000	700.000	150.000	757.000	150.000	700.000	205.000
05	700.000	452.000	757.000	530.000	700.000	400.000	770.000	400.000	775.000	440.000
06	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	150.000	20.000

07	5000.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.500	0.000
08	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	150.000	20.000

12	5000.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.500	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	150.000	20.000

09	5000.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	0.500	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.000	20.000

JUL 81

DATE RECEIVED

FILE

X1	584000.000	0.000	30.000	240.000	1100.000	1100.000	1100.000	0.000	0.000	0.000
GR	770.000	0.000	760.000	50.000	750.000	80.000	749.400	81.000	749.400	179.000
ER	750.000	180.000	760.000	240.000	770.000	250.000	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	26.000	241.000

X1	584200.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.300	0.000
NC	9.160	0.160	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	0.000	0.000

X1	585000.000	17.000	500.000	579.000	1860.000	1860.000	1860.000	0.000	6.000	0.000
GR	733.400	400.000	773.100	446.000	771.500	450.000	756.700	500.000	754.800	505.000
GR	754.500	435.000	755.400	550.000	755.400	571.000	758.200	579.000	755.000	600.000
GR	757.900	650.000	757.700	700.000	759.100	723.000	762.100	750.000	767.400	800.000
GR	773.000	850.000	785.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	9.000	4300.000	7500.000	10200.000	18500.000	10200.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	452.000	632.000

X1	588800.000	15.000	500.000	575.000	2800.000	2800.000	2800.000	0.000	6.000	0.000
GR	732.000	320.000	772.000	400.000	773.000	423.000	762.000	450.000	760.000	500.000
GR	755.500	506.000	756.700	536.000	755.400	566.000	759.700	575.000	756.700	600.000
GR	760.000	630.000	764.400	650.000	768.000	660.000	776.600	700.000	780.900	725.000
GT	9.000	4000.000	7300.000	9500.000	17200.000	9500.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	370.000	545.000

X1	591455.000	11.000	500.000	541.000	2615.000	2615.000	2615.000	0.000	0.000	0.000
GR	782.000	50.000	770.200	400.000	764.100	450.000	761.800	500.000	757.900	510.000
GR	755.900	525.000	757.900	526.000	750.900	531.000	762.800	537.000	769.300	561.000
GR	790.000	610.000	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	275.000	635.000

X1	591545.000	26.000	500.000	635.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	785.000	0.000	774.500	50.000	772.400	100.000	772.500	150.000	771.700	200.000
GR	770.800	250.000	769.300	300.000	769.300	350.000	770.400	200.000	771.300	430.000
GR	771.400	450.000	772.400	500.000	768.000	500.000	767.500	507.000	760.900	516.000
GR	761.700	550.000	760.500	560.000	758.000	565.000	755.800	530.000	759.700	597.000
GR	761.700	600.000	763.400	665.000	767.800	617.000	768.900	655.000	772.500	635.000
GR	790.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	1.050	1.500	2.500	0.000	11.700	1.700	1074.800	4.110	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	275.000	635.000

X1	591575.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	15.000	0.000	775.000	0.000	50.000	775.500	0.000	100.000	775.400	0.000
ET	150.000	772.500	0.000	200.000	771.700	0.000	250.000	770.000	0.000	200.000

343 1413

12 11 10 9 8 7 6 5 4 3 2 1

OFFICE ELECTRONICS, INC.

BT	769.800	0.000	350.000	769.810	0.000	400.000	770.850	0.000	430.000	771.800
BT	0.000	450.000	771.400	0.000	500.000	772.400	0.000	500.000	772.400	776.800
BT	635.000	772.500	770.800	635.000	772.500	0.000	650.000	772.700	0.000	790.000
BT	774.400	0.000	750.000	776.600	0.000	800.000	778.600	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	330.000	730.000

XI	591625.000	18.000	500.000	550.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	785.000	0.000	768.300	324.000	762.900	350.000	762.500	400.000	763.200	450.000
GR	763.600	470.000	762.000	500.000	755.900	508.000	755.600	520.000	759.000	532.000
GR	761.500	539.000	761.700	550.000	762.400	600.000	764.900	650.000	766.100	790.000
GR	768.500	750.000	772.100	800.000	790.000	920.000	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	467.000	667.000

XI	593880.000	14.000	500.000	550.000	2255.000	2255.000	2255.000	0.000	0.000	0.000
GR	790.000	350.000	773.100	450.000	770.100	463.000	765.000	477.000	764.400	500.000
GR	759.300	506.000	756.200	520.000	760.200	532.000	767.100	550.000	765.700	600.000
GR	768.600	650.000	770.100	665.000	772.200	700.000	790.000	970.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	375.000	710.000

XI	596900.000	23.000	500.000	547.000	3020.000	3020.000	3020.000	0.000	-0.100	0.000
GR	790.000	100.000	775.000	270.000	775.200	285.000	775.900	310.000	775.900	237.000
GR	775.400	337.000	777.800	367.000	777.800	367.000	777.800	380.000	769.700	390.000
GR	760.200	500.000	759.600	506.000	758.400	520.000	760.500	535.000	767.100	547.000
GR	767.600	550.000	768.000	600.000	768.100	650.000	771.300	760.000	773.200	725.000
GR	775.400	750.000	779.000	800.000	790.000	900.000	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	410.000	740.000

XI	597127.000	21.000	500.000	547.000	227.000	227.000	227.000	0.000	0.000	0.000
GR	790.000	100.000	779.400	500.000	778.200	350.000	777.800	366.000	777.700	270.000
GR	777.900	300.000	778.500	450.000	770.100	455.000	768.100	500.000	755.000	590.000
GR	753.400	520.000	760.500	535.000	767.100	527.000	767.600	550.000	768.000	600.000
GR	760.100	550.000	771.300	700.000	774.200	723.000	775.400	750.000	779.000	800.000
GR	790.000	900.000	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	800.000	780.000

XI	597197.000	25.000	500.000	625.000	70.000	70.000	70.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	781.000	781.000	0.000
GR	730.000	311.000	780.200	350.000	784.400	400.000	783.400	450.000	782.000	500.000
GR	782.800	505.000	778.700	505.000	776.300	511.000	769.500	525.000	768.000	540.000
GR	763.800	555.000	760.200	571.000	761.600	500.000	766.900	600.000	776.500	620.000
GR	776.700	625.000	732.000	625.000	782.800	630.000	782.600	650.000	781.200	700.000
GR	780.000	750.000	785.400	800.000	787.500	850.000	0.000	0.000	0.000	0.000
SO	1.950	1.500	2.500	0.000	19.950	6.400	1166.500	2.310	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	440.000	780.000

X1	597283.000	0.000	0.000	0.000	86.000	86.000	86.000	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	781.000	781.000	0.000
BT	15.000	311.000	788.000	0.000	350.000	786.200	0.000	400.000	784.400	0.000
BT	450.000	783.400	0.000	500.000	782.800	0.000	505.000	782.800	0.000	1505.000
BT	782.800	778.000	625.000	782.600	778.000	625.000	782.600	0.000	630.000	782.600
BT	0.000	650.000	782.600	0.000	700.000	783.000	0.000	750.000	754.000	0.000
BT	800.000	785.400	0.000	850.000	787.500	0.000	0.000	5.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	140.000	730.000

X1	597333.000	21.000	500.000	541.000	50.000	50.000	50.000	0.000	0.000	0.000
CR	790.000	100.000	779.400	300.000	778.200	350.000	777.600	360.000	770.400	1300.000
GR	773.600	400.000	771.200	450.000	769.800	455.000	766.100	500.000	761.100	510.000
GR	758.400	522.000	761.200	534.000	764.700	501.000	767.600	550.000	768.600	600.000
GR	768.100	650.000	771.300	700.000	773.200	725.000	775.400	750.000	775.000	800.000
GR	790.000	900.000	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	171.000	721.000

X1	597999.000	0.000	0.000	0.000	666.000	666.000	666.000	1.000	0.500	0.000
BJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

322 14113

241 DUNNED TCHIO

THIS RUN EXECUTED 9 JUL 81 12:13:55

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR = 01,02,03,04
 MODIFICATION = 50,51,52,53,54

T1 GUILFORD COUNTY FIA STUDY--50 YR NATURAL
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER
 T3 APR 1977 DLQ REVISED JULY 1981 WRB

J1	ICHECK	IND	NINV	IDIR	STRT	NETRIC	HVINS	G	WSEL	FD
	0.	3.	0.	0.	0.000000	0.00	0.0	0.	760.500	0.000

J2	WPROF	TPLOT	PREVS	XSECV	XSECH	FR	ALLOC	IHW	CHNIN	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ELIPI

ORIG ELECTRONICS INC

THIS RUN EXECUTED 9 JUL 81 12:14:00

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR = 01,02,03,04
 MODIFICATION = 50,51,52,53,54

T1 GUILFORD COUNTY FIA STUDY--100 YR NATURAL
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER
 T3 APR 1977 DLQ REVISED JULY 1981 WRB

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	761.100	0.000
J2	NPROF	IPLT	PRFS	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

3-43
10444

12
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FEI

THIS RUN EXECUTED 9 JUL 81 12:14:07

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 GUILFORD COUNTY FIA STUDY--500 YR NATURAL
 T2 FIA STUDY-DEEP RIVER, W. FORK DEEP RIVER
 T3 APR 1977 DLO REVISED JULY 1981 HRD

J1	ICHECK	IND	INVT	IDIR	STRT	METRIC	HVINS	G	WSEL	FQ
	0.	5.	0.	0.	0.000000	0.00	0.0	70.	763.300	0.000
J2	APROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	ISW	CHRIP	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

3-12
14113

ORIG ENGINEERING INC

THIS RUN EXECUTED 9 JUL 81 12:14:16

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

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

APR 1977 DLG 0 REVISED

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	CLASS	TURBID	10K+S
582600.000	759.30	759.35	746.00	0.00	0.00	260.67	0.54
582600.000	760.50	760.64	746.00	0.00	0.00	273.00	1.31
582600.000	761.10	761.30	746.00	0.00	0.00	276.60	1.82
582600.000	763.30	763.77	746.00	0.00	0.00	289.80	3.47
582700.000	759.30	759.36	746.30	0.00	0.00	256.74	0.99
582700.000	760.51	760.65	746.30	0.00	0.00	271.28	1.42
582700.000	761.11	761.32	746.30	0.00	0.00	274.91	1.97
582700.000	763.33	763.82	746.30	0.00	0.00	288.21	3.69
582800.000	759.31	759.36	746.60	0.00	0.00	252.79	0.65
582800.000	760.52	760.67	746.60	0.00	0.00	268.98	1.54
582800.000	761.13	761.35	746.60	0.00	0.00	273.19	2.13
582800.000	763.35	763.86	746.60	0.00	0.00	286.57	3.94
583000.000	759.32	759.38	747.00	0.00	0.00	247.61	0.74
583000.000	760.55	760.71	747.00	0.00	0.00	263.99	1.73
583000.000	761.16	761.40	747.00	0.00	0.00	271.01	2.36
583000.000	763.42	763.95	747.00	0.00	0.00	284.57	4.26
584000.000	759.41	759.59	749.40	0.00	0.00	203.43	2.56
584000.000	760.75	761.08	749.40	0.00	0.00	212.90	5.20
584000.000	761.93	761.90	749.40	0.00	0.00	215.68	6.60
584000.000	763.85	764.80	749.40	0.00	0.00	225.39	9.61
584200.000	759.43	759.56	749.70	0.00	0.00	200.39	2.84
584200.000	760.77	761.15	749.70	0.00	0.00	211.53	5.79
584200.000	761.48	761.58	749.70	0.00	0.00	214.70	7.24
584200.000	763.92	764.92	749.70	0.00	0.00	224.47	10.49
586080.000	760.52	761.61	754.50	0.00	0.00	242.79	153.14
586080.000	763.17	764.41	754.50	0.00	0.00	277.46	103.42
586080.000	764.39	765.12	754.50	0.00	0.00	293.78	65.75
586080.000	767.91	769.50	754.50	0.00	0.00	340.56	86.57

SECNO	CWSBL	EG	ELMIN	ELLC	CLASS	TOPWID	10K*5
588880.000	768.14	768.31	755.40	0.00	0.00	238.49	8.80
588880.000	771.46	771.74	755.40	0.00	0.00	273.04	11.25
588880.000	773.11	773.46	755.40	0.00	0.00	292.69	12.51
588880.000	777.81	778.37	755.40	0.00	0.00	353.93	15.51
591495.000	771.14	771.91	755.90	0.00	0.00	191.11	17.62
591495.000	775.03	775.53	755.90	0.00	0.00	316.14	18.37
591495.000	776.46	777.51	755.90	0.00	0.00	378.29	19.15
591495.000	782.21	782.83	755.90	0.00	0.00	540.71	18.76
591545.000	771.44	771.62	755.80	0.00	0.00	135.00	11.19
591545.000	775.49	775.65	755.80	0.00	0.00	617.94	7.35
591545.000	777.49	777.64	755.80	0.00	0.00	646.25	6.52
591545.000	782.80	782.97	755.80	0.00	0.00	721.58	5.53
591575.000	771.49	771.66	755.80	770.80	30.00	135.00	11.00
591575.000	775.52	775.67	755.80	770.80	30.00	618.27	7.29
591575.000	777.53	777.68	755.80	770.80	30.00	646.80	6.44
591575.000	782.90	783.07	755.80	770.80	30.00	723.04	5.41
591625.000	771.67	771.72	755.60	0.00	0.00	535.14	4.04
591625.000	775.65	775.72	755.60	0.00	0.00	642.49	3.89
591625.000	777.65	777.72	755.60	0.00	0.00	694.89	3.95
591625.000	783.02	783.11	755.60	0.00	0.00	834.71	4.16
593880.000	773.05	773.29	756.20	0.00	0.00	262.72	12.83
593880.000	776.97	777.26	756.20	0.00	0.00	345.24	12.69
593880.000	778.97	779.30	756.20	0.00	0.00	387.50	12.78
593880.000	784.36	784.76	756.20	0.00	0.00	501.12	12.95
596900.000	775.76	775.89	758.30	0.00	0.00	422.04	6.08
596900.000	779.70	779.83	758.30	0.00	0.00	541.76	5.95
596900.000	781.17	781.85	758.30	0.00	0.00	633.01	5.86
596900.000	787.17	787.31	758.30	0.00	0.00	744.26	5.75
597127.000	775.91	776.05	758.40	0.00	0.00	305.52	7.29
597127.000	779.82	779.91	758.40	0.00	0.00	515.44	7.27
597127.000	781.84	782.03	758.40	0.00	0.00	571.78	7.07
597127.000	787.84	787.99	758.40	0.00	0.00	723.94	7.60
597197.000	771.92	776.16	760.20	0.00	0.00	106.94	14.08
597197.000	779.78	780.17	760.20	0.00	0.00	120.00	10.59
597197.000	781.74	782.23	760.20	0.00	0.00	120.00	17.74
597197.000	787.06	787.77	760.20	0.00	0.00	509.22	18.09
597283.000	775.94	776.16	760.20	778.00	1.00	107.03	13.95
597283.000	780.33	780.69	760.20	778.00	10.00	120.00	14.85
597283.000	782.81	783.23	760.20	778.00	30.00	176.09	14.18
597283.000	787.37	788.64	760.20	778.00	50.00	522.41	16.89

OFFICE ELECTRONICS INC.

SECNO	CWSEL	EG	ELMIN	ELLC	CLASS	TOPWID	10K*8
597333.000	776.12	776.25	758.40	0.00	0.00	390.84	6.84
597333.000	780.65	780.78	758.40	0.00	0.00	538.53	5.84
597333.600	783.20	783.33	758.40	0.00	0.00	609.98	5.20
597333.000	788.02	788.19	758.40	0.00	0.00	744.77	6.11
597999.000	776.59	776.72	759.00	0.00	0.00	388.04	7.17
597999.000	781.04	781.18	759.00	0.00	0.00	532.77	6.17
597999.000	783.56	783.69	759.00	0.00	0.00	603.04	5.52
597999.000	788.44	788.60	759.00	0.00	0.00	739.41	6.34

APR 1977 DLG REVISED

SUMMARY PRINTOUT

SEONO	C*STL	GLDB	QCH	GRDB	VLCB	VCR	VRCB
582600.000	759.30	1.31	4397.39	1.31	0.07	1.76	0.07
582600.000	760.50	6.72	8186.57	6.71	0.17	2.96	0.17
582600.000	761.10	12.44	16475.23	12.33	0.23	3.60	0.23
582600.000	763.30	52.10	18898.51	49.39	0.44	5.54	0.46
582700.000	759.30	0.95	4398.10	0.95	0.07	1.81	0.07
582700.000	760.51	5.39	8189.22	5.39	0.16	3.03	0.16
582700.000	761.11	10.54	16478.86	10.54	0.22	3.69	0.22
582700.000	763.33	46.27	18905.69	46.03	0.44	5.64	0.46
582800.000	759.31	0.65	4398.70	0.65	0.07	1.87	0.07
582800.000	760.52	4.20	8191.60	4.20	0.15	3.11	0.15
582800.000	761.13	8.80	16482.02	8.78	0.21	3.78	0.21
582800.000	763.35	42.58	18913.23	42.59	0.44	5.75	0.46
583000.000	759.32	0.35	4399.30	0.35	0.06	1.96	0.06
583000.000	760.53	3.08	8193.83	3.08	0.14	3.21	0.14
583000.000	761.14	6.54	16486.71	6.64	0.20	3.96	0.20
583000.000	763.37	39.74	18921.84	38.42	0.40	5.89	0.45
584000.000	759.41	0.06	4400.06	0.06	0.06	2.94	0.06
584000.000	760.75	0.09	8199.89	0.02	0.11	4.64	0.09
584000.000	761.45	0.55	16499.29	0.15	0.16	5.50	0.15
584000.000	763.45	4.64	18927.72	2.64	0.43	7.86	0.26
584200.000	759.43	0.50	4406.80	0.60	0.06	3.08	0.06
584200.000	760.79	0.63	8199.96	0.01	0.08	4.79	0.07
584200.000	761.44	0.35	16499.55	0.10	0.17	5.66	0.14
584200.000	763.52	8.46	18939.22	2.32	0.43	8.02	0.25
586080.000	760.52	6.76	3746.84	628.60	1.05	9.07	1.96
586080.000	763.17	61.42	6097.23	2041.30	1.58	9.80	2.63
586080.000	760.39	112.79	7266.13	2023.11	1.79	10.38	2.91
586080.000	767.91	488.23	12249.87	6321.90	2.34	12.28	3.65
588080.000	760.14	414.24	3231.67	654.60	0.94	3.70	1.08
588080.000	771.46	480.70	5553.36	1365.94	1.34	4.95	1.49
588080.000	773.11	1382.59	6969.37	1895.05	1.54	5.60	1.69
588080.000	777.61	3054.73	11750.39	3630.93	2.05	7.36	2.23
591495.000	771.14	832.43	2592.26	162.31	1.46	5.62	1.31
591495.000	775.03	2125.55	4772.30	377.54	1.60	6.98	1.65
591495.000	776.46	3104.60	5706.54	524.64	1.70	7.51	1.79
591495.000	782.21	7406.70	8628.40	1320.90	1.92	8.75	2.08

SECNO	CNSEL	BLDR	QCH	OROB	VLOR	VCH	VRCP
591545.000	771.44	0.00	4000.00	0.00	0.00	3.37	0.00
591545.000	775.49	1246.26	6039.87	13.85	0.68	3.48	0.33
591545.000	777.49	2213.81	7235.25	50.94	0.81	3.61	0.43
591545.000	782.80	5780.61	11095.10	324.20	1.10	4.08	0.65
591575.000	771.49	0.00	4000.00	0.00	0.00	3.35	0.00
591575.000	775.52	1252.26	6833.66	14.08	0.68	3.47	0.33
591575.000	777.53	2223.82	7224.48	51.70	0.80	3.60	0.43
591575.000	782.90	5804.23	11066.54	329.24	1.09	4.05	0.65
591625.000	771.67	1176.71	1742.31	1080.98	0.74	2.66	0.71
591625.000	775.65	2369.85	2661.58	2268.56	0.85	3.12	0.87
591625.000	777.65	3204.53	3226.25	3065.22	0.95	3.30	0.94
591625.000	783.02	6315.61	5006.03	5877.35	1.13	4.10	1.27
593880.000	773.05	347.64	2861.75	790.61	1.21	4.55	1.05
593880.000	776.97	775.54	4472.73	2051.73	1.47	5.42	1.36
593880.000	778.97	1086.99	5332.83	2980.14	1.58	5.87	1.50
593880.000	784.36	2266.85	6173.38	6339.77	1.86	7.01	1.83
596900.000	775.74	620.55	2378.11	1004.37	0.79	3.40	0.82
596900.000	779.70	1591.82	3469.34	2248.83	0.91	3.52	1.04
596900.000	781.72	2341.77	4082.11	3076.13	1.00	4.17	1.14
596900.000	787.17	5191.22	6457.78	6050.66	1.24	4.72	1.30
597127.000	775.91	274.96	2613.14	1107.80	0.88	3.73	0.90
597127.000	779.82	710.83	4000.00	2504.27	0.95	4.32	1.18
597127.000	781.84	1163.96	4743.63	3572.83	0.98	4.84	1.32
597127.000	787.28	3381.00	6859.69	6959.26	1.20	5.55	1.60
597197.000	775.92	0.00	4000.00	0.00	0.00	3.99	0.00
597197.000	779.78	0.00	7300.00	0.00	0.00	5.00	0.00
597197.000	781.74	0.00	9500.00	0.00	0.00	5.61	0.00
597197.000	787.06	400.93	16196.27	598.75	0.86	6.94	0.92
597283.000	775.94	0.00	4000.00	0.00	0.00	3.98	0.00
597283.000	780.33	0.00	7300.00	0.00	0.00	4.79	0.00
597283.000	782.81	0.00	9499.17	0.83	0.00	5.21	0.11
597283.000	787.37	459.10	16673.05	667.77	0.87	6.78	0.93
597333.000	776.12	510.44	2286.70	1202.86	0.81	3.78	2.89
597333.000	780.65	1314.48	4290.61	2674.99	0.96	4.14	1.06
597333.000	783.26	2010.11	3818.86	3671.63	0.99	4.25	1.15
597333.000	788.02	4000.97	5766.65	6988.38	1.25	5.28	1.47
597999.000	776.39	562.45	2306.07	1141.04	0.82	3.82	0.80
597999.000	781.04	1316.80	3323.24	2659.91	0.94	4.23	1.10
597999.000	783.56	1984.64	3859.19	3650.17	1.01	4.30	1.17
597999.000	788.46	1416.03	5860.24	4974.73	1.27	5.31	1.49

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SUMMARY PRINTOUT

SECNO	CNSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
582600.000	759.30	134.67	150.00	380.00	395.33	260.67
582600.000	760.50	128.00	150.00	380.00	401.00	273.00
582600.000	761.10	125.60	150.00	380.00	402.20	270.60
582600.000	763.30	116.80	150.00	380.00	406.60	289.80
582700.000	759.30	136.63	150.00	380.00	393.37	256.74
582700.000	760.51	124.15	150.00	380.00	400.43	271.26
582700.000	761.11	126.73	150.00	380.00	401.64	274.91
582700.000	763.33	117.86	150.00	380.00	406.97	288.21
582800.000	759.31	138.60	150.00	380.00	391.40	252.74
582800.000	760.52	130.51	150.00	380.00	399.49	268.96
582800.000	761.13	127.67	150.00	380.00	401.06	273.19
582800.000	763.35	118.96	150.00	380.00	405.52	286.57
583000.000	759.32	141.20	150.00	380.00	388.80	247.61
583000.000	760.55	133.00	150.00	380.00	397.00	263.99
583000.000	761.16	129.33	150.00	380.00	400.34	271.01
583000.000	763.42	126.29	150.00	380.00	404.86	284.57
584000.000	759.41	32.99	30.00	240.00	234.42	203.43
584000.000	760.75	27.76	30.00	240.00	240.75	212.49
584000.000	761.43	25.74	30.00	240.00	241.02	215.66
584000.000	763.85	18.46	30.00	240.00	243.85	225.39
584200.000	759.43	34.37	30.00	240.00	234.76	200.34
584200.000	760.79	28.55	30.00	240.00	240.48	211.93
584200.000	761.48	26.48	30.00	240.00	241.17	214.70
584200.000	763.42	19.15	30.00	240.00	243.62	224.07
586080.000	760.52	492.92	500.00	579.00	735.71	242.79
586080.000	763.17	482.57	500.00	579.00	760.02	277.46
586080.000	764.34	477.79	500.00	579.00	771.57	293.76
586080.000	767.91	468.02	500.00	579.00	804.97	340.56
588880.000	768.10	422.17	500.00	575.00	660.67	238.49
588880.000	771.46	463.08	500.00	575.00	676.11	273.04
588880.000	773.11	391.09	500.00	575.00	683.78	292.69
588880.000	777.81	353.51	500.00	575.00	707.04	353.53
591495.000	771.14	372.20	500.00	541.00	563.31	191.11
591495.000	775.03	256.80	500.00	541.00	572.94	316.14
591495.000	776.96	194.04	500.00	541.00	577.75	378.29
591495.000	782.21	50.00	500.00	541.00	590.71	540.71

SECNO	CWSEL	SSTA	BTCHL	STCHR	ENDST	TOPRIO
591545.000	771.44	500.00	500.00	635.00	635.00	139.00
591545.000	775.40	49.27	500.00	635.00	663.21	617.94
591545.000	777.40	35.77	500.00	635.00	682.02	646.25
591545.000	782.80	10.30	500.00	635.00	732.08	721.58
591575.000	771.40	500.00	500.00	635.00	635.00	139.00
591575.000	775.52	49.16	500.00	635.00	663.43	618.27
591575.000	777.53	35.89	500.00	635.00	682.39	646.80
591575.000	782.90	10.01	500.00	635.00	733.04	723.04
591625.000	771.67	259.68	500.00	550.00	793.81	535.14
591625.000	775.65	161.33	500.00	550.00	823.82	642.49
591625.000	777.65	142.34	500.00	550.00	837.23	694.69
591625.000	783.02	78.48	500.00	550.00	873.19	834.71
593880.000	773.05	450.21	500.00	550.00	712.93	262.72
593880.000	776.97	427.10	500.00	550.00	772.34	349.24
593880.000	778.97	415.25	500.00	550.00	802.74	387.50
593880.000	784.36	383.36	500.00	550.00	884.46	501.12
596900.000	775.78	260.04	500.00	547.00	756.65	422.04
596900.000	779.70	215.55	500.00	547.00	807.31	591.76
596900.000	781.72	192.66	500.00	547.00	825.67	633.01
596900.000	787.17	130.93	500.00	547.00	875.19	744.26
597127.000	775.91	451.54	500.00	547.00	757.87	395.52
597127.000	779.82	292.03	500.00	547.00	807.47	515.44
597127.000	781.84	254.01	500.00	547.00	825.79	571.78
597127.000	787.28	151.33	500.00	547.00	875.27	723.90
597197.000	775.92	511.85	505.00	625.00	618.78	106.94
597197.000	779.78	505.00	505.00	625.00	625.00	120.00
597197.000	781.74	505.00	505.00	625.00	625.00	120.00
597197.000	787.06	331.34	505.00	625.00	839.56	508.22
597283.000	775.94	511.80	505.00	625.00	618.83	107.03
597283.000	780.33	505.00	505.00	625.00	625.00	120.00
597283.000	782.81	499.57	505.00	625.00	675.65	176.00
597283.000	787.37	324.57	505.00	625.00	846.94	522.01
597333.000	776.12	369.22	500.00	541.00	760.06	390.84
597333.000	780.65	276.95	500.00	541.00	814.94	538.53
597333.000	783.20	228.23	500.00	541.00	838.21	609.48
597333.000	788.02	137.27	500.00	541.00	892.04	734.77
597999.000	776.50	370.09	500.00	541.00	758.13	398.04
597999.000	781.04	290.34	500.00	541.00	813.11	552.77
597999.000	783.58	232.92	500.00	541.00	835.96	603.04
597999.000	788.44	140.99	500.00	541.00	890.30	739.41

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SUMMARY PRINTOUT TABLE 15C

SECTNO	XLOH	ELTRD	ELLD	ELMIN	Q	CNSL	CRWS	EG	10K*9	VCH	AREA	%01K
582600.000	0.00	0.00	0.00	746.00	4400.00	759.30	0.00	759.35	0.54	1.76	2527.77	6009.53
582600.000	0.00	0.00	0.00	746.00	8200.00	760.50	0.00	760.64	1.31	2.96	2849.25	7166.57
582600.000	0.00	0.00	0.00	746.00	10500.00	761.10	0.00	761.30	1.82	3.60	3014.13	7777.42
582600.000	0.00	0.00	0.00	746.00	19000.00	763.30	0.00	763.77	3.07	5.59	3637.17	10193.16
582700.000	100.00	0.00	0.00	746.30	4400.00	759.30	0.00	759.36	0.59	1.81	2451.54	5736.75
582700.000	100.00	0.00	0.00	746.30	8200.00	760.51	0.00	760.65	1.42	3.03	2771.17	6881.91
582700.000	100.00	0.00	0.00	746.30	10500.00	761.11	0.00	761.32	1.97	3.69	2936.43	7487.94
582700.000	100.00	0.00	0.00	746.30	19000.00	763.33	0.00	763.82	3.69	5.64	3566.51	9887.69
582800.000	100.00	0.00	0.00	746.60	4400.00	759.31	0.00	759.36	0.65	1.87	2376.19	5472.17
582800.000	100.00	0.00	0.00	746.60	8200.00	760.52	0.00	760.67	1.54	3.11	2692.74	6599.31
582800.000	100.00	0.00	0.00	746.60	10500.00	761.13	0.00	761.35	2.13	3.78	2856.03	7198.79
582800.000	100.00	0.00	0.00	746.60	19000.00	763.35	0.00	763.86	3.54	5.75	3481.86	9575.96
583000.000	200.00	0.00	0.00	747.00	4400.00	759.32	0.00	759.38	0.74	1.94	2278.88	5129.68
583000.000	200.00	0.00	0.00	747.00	8200.00	760.55	0.00	760.71	1.33	3.21	2593.22	6242.89
583000.000	200.00	0.00	0.00	747.00	10500.00	761.16	0.00	761.40	2.36	3.96	2759.05	6838.01
583000.000	200.00	0.00	0.00	747.00	19000.00	763.42	0.00	763.95	4.26	5.89	3386.65	9202.66
584000.000	1100.00	0.00	0.00	749.40	4400.00	759.41	0.00	759.55	2.56	2.92	1485.93	2752.66
584000.000	1100.00	0.00	0.00	749.40	8200.00	760.75	0.00	761.08	5.20	4.64	1767.45	3594.41
584000.000	1100.00	0.00	0.00	749.40	10500.00	761.43	0.00	761.90	6.60	5.50	1911.57	4066.19
584000.000	1100.00	0.00	0.00	749.40	19000.00	763.85	0.00	764.80	9.81	7.86	2441.82	6067.08
584200.000	100.00	0.00	0.00	749.70	4400.00	759.43	0.00	759.58	2.84	3.08	1430.14	2608.81
584200.000	100.00	0.00	0.00	749.70	8200.00	760.79	0.00	761.15	5.79	4.79	1711.08	3467.38
584200.000	100.00	0.00	0.00	749.70	10500.00	761.44	0.00	761.98	7.24	5.66	1858.68	3965.46
584200.000	100.00	0.00	0.00	749.70	19000.00	763.92	0.00	764.92	10.49	8.62	2395.16	5866.20
586080.000	1880.00	0.00	0.00	754.50	4400.00	760.52	0.00	761.61	153.14	9.07	749.33	355.55
586080.000	1880.00	0.00	0.00	754.50	8200.00	763.17	0.00	764.31	103.42	9.60	1438.37	306.34
586080.000	1880.00	0.00	0.00	754.50	10500.00	764.39	0.00	765.62	95.75	10.38	1787.97	1073.05
586080.000	1880.00	0.00	0.00	754.50	19000.00	767.91	0.00	769.50	86.57	12.28	2906.54	2042.04
588880.000	2800.00	0.00	0.00	755.40	4300.00	768.14	0.00	768.31	8.80	3.70	1926.68	1449.47
588880.000	2800.00	0.00	0.00	755.40	7900.00	771.46	0.00	771.74	11.25	4.95	4770.09	2354.86
588880.000	2800.00	0.00	0.00	755.40	10200.00	773.11	0.00	773.46	12.51	5.60	3235.74	2883.83
588880.000	2800.00	0.00	0.00	755.40	18500.00	777.81	0.00	778.37	15.51	7.36	4751.14	4697.26
591495.000	2615.00	0.00	0.00	755.90	4000.00	771.14	0.00	771.51	17.62	5.62	1277.44	952.90
591495.000	2615.00	0.00	0.00	755.90	7300.00	775.03	0.00	775.53	18.71	6.96	2264.20	1687.71
591495.000	2615.00	0.00	0.00	755.90	9500.00	776.96	0.00	777.51	19.15	7.51	2935.73	2170.87
591495.000	2615.00	0.00	0.00	755.90	17200.00	782.21	0.00	782.83	18.76	8.75	5366.27	3971.25

CHAL ECONOMICS INC.

SECNO	XLCH	ELTFC	ELLC	ELMIN	W	CKSEL	CRIBS	EG	10K*8	VCH	AREA	.01K
591545.000	50.00	0.00	0.00	755.80	4000.00	771.44	0.00	771.62	11.19	3.37	1187.12	1190.02
591545.000	50.00	0.00	0.00	755.80	7300.00	775.49	0.00	775.65	7.35	3.48	3604.81	2692.60
591545.000	50.00	0.00	0.00	755.80	9500.00	777.49	0.00	777.64	6.52	3.61	4265.83	3721.08
591545.000	50.00	0.00	0.00	755.80	17200.00	782.80	0.00	782.97	5.53	4.08	8496.48	7314.50
591575.000	30.00	769.30	770.80	755.80	4000.00	771.44	0.00	771.66	11.00	3.35	1193.32	1205.42
591575.000	30.00	769.30	770.80	755.80	7300.00	775.52	0.00	775.67	7.29	3.47	3615.18	2703.52
591575.000	30.00	769.30	770.80	755.80	9500.00	777.35	0.00	777.68	6.44	3.60	4890.89	3732.87
591575.000	30.00	769.30	770.00	755.80	17200.00	782.90	0.00	783.07	5.41	4.05	8570.65	7395.83
591625.000	50.00	0.00	0.00	755.60	4000.00	771.67	0.00	771.72	4.04	2.66	3768.26	1990.32
591625.000	50.00	0.00	0.00	755.60	7300.00	775.65	0.00	775.72	3.89	3.12	6115.49	3702.64
591625.000	50.00	0.00	0.00	755.60	9500.00	777.65	0.00	777.72	3.95	3.34	7458.47	4780.48
591625.000	50.00	0.00	0.00	755.60	17200.00	783.02	0.00	783.11	4.16	4.10	11557.97	8022.69
593880.000	2255.00	0.00	0.00	756.20	4000.00	773.05	0.00	773.29	12.83	4.55	1672.26	1110.77
593880.000	2255.00	0.00	0.00	756.20	7300.00	776.97	0.00	777.26	12.69	5.42	2862.27	2048.42
593880.000	2255.00	0.00	0.00	756.20	9500.00	778.97	0.00	779.30	12.78	5.07	3597.13	2657.54
593880.000	2255.00	0.00	0.00	756.20	17200.00	784.36	0.00	784.76	12.95	7.01	5591.25	4780.16
596900.000	3020.00	0.00	0.00	758.30	4000.00	775.78	0.00	775.89	6.08	3.40	2713.72	1622.02
596900.000	3020.00	0.00	0.00	758.30	7300.00	779.70	0.00	779.83	5.95	3.92	4797.76	2595.62
596900.000	3020.00	0.00	0.00	758.30	9500.00	781.72	0.00	781.85	5.86	4.17	6034.61	3924.52
596900.000	3020.00	0.00	0.00	758.30	17200.00	787.17	0.00	787.31	5.75	4.82	9735.37	7176.58
597127.000	227.00	0.00	0.00	758.40	4000.00	775.91	0.00	776.05	7.29	3.72	2255.70	1401.25
597127.000	227.00	0.00	0.00	758.40	7300.00	779.82	0.00	780.01	7.27	4.52	3795.81	2601.52
597127.000	227.00	0.00	0.00	758.40	9500.00	781.84	0.00	782.03	7.27	4.60	4691.88	3386.96
597127.000	227.00	0.00	0.00	758.40	17200.00	787.28	0.00	787.49	7.20	5.52	8416.74	6229.42
597197.000	70.00	0.00	0.00	760.20	4000.00	775.92	0.00	776.16	14.04	3.43	1692.83	1067.42
597197.000	70.00	0.00	0.00	760.20	7300.00	779.78	0.00	780.17	16.59	5.00	1958.55	1752.76
597197.000	70.00	0.00	0.00	760.20	9500.00	781.74	0.00	782.23	17.74	5.61	1694.21	2255.71
597197.000	70.00	0.00	0.00	760.20	17200.00	787.66	0.00	787.77	12.69	6.92	3455.89	4044.31
597283.000	86.00	782.60	778.00	760.20	4000.00	775.94	0.00	776.18	13.95	3.98	1005.15	1070.90
597283.000	86.00	782.60	778.00	760.20	7300.00	780.33	0.00	780.69	14.45	4.79	1525.39	1920.26
597283.000	86.00	782.60	778.00	760.20	9500.00	782.81	0.00	783.23	14.18	5.21	1829.01	2522.44
597283.000	86.00	782.60	778.00	760.20	17200.00	787.37	0.00	788.04	16.89	6.78	3620.74	4184.77
597333.000	50.00	0.00	0.00	758.40	4000.00	776.12	0.00	776.25	6.84	3.76	2589.59	1524.00
597333.000	50.00	0.00	0.00	758.40	7300.00	780.65	0.00	780.78	5.80	4.14	4663.06	3021.45
597333.000	50.00	0.00	0.00	758.40	9500.00	783.20	0.00	783.33	5.20	4.25	6130.56	4165.91
597333.000	50.00	0.00	0.00	758.40	17200.00	788.02	0.00	788.14	6.11	5.28	9398.05	6555.47
597999.000	666.00	0.00	0.00	759.00	4000.00	776.59	0.00	776.72	7.17	3.82	2535.75	1493.02
597999.000	666.00	0.00	0.00	759.00	7300.00	781.04	0.00	781.18	6.17	4.23	4552.75	2935.46
597999.000	666.00	0.00	0.00	759.00	9500.00	783.56	0.00	783.69	6.52	4.34	5986.08	4060.50
597999.000	666.00	0.00	0.00	759.00	17200.00	786.44	0.00	786.80	6.34	5.34	9251.83	6228.57

REC

APR 1977 DLQ REVISED

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWTD	XLCH
582600.000	4400.00	759.30	0.00	0.00	0.00	260.67	0.00
582600.000	8200.00	760.50	1.20	0.00	0.00	273.00	0.00
582600.000	10500.00	761.19	0.60	0.00	0.00	276.60	0.00
582600.000	19000.00	763.30	2.20	0.00	0.00	289.80	0.00
582700.000	4400.00	759.30	0.00	0.00	0.00	256.74	100.00
582700.000	8200.00	760.51	1.21	0.01	0.00	271.28	100.00
582700.000	10500.00	761.11	0.60	0.01	0.00	274.91	100.00
582700.000	19000.00	763.33	2.21	0.03	0.00	288.21	100.00
582800.000	4400.00	759.31	0.00	0.00	0.00	252.79	100.00
582800.000	8200.00	760.52	1.21	0.01	0.00	268.98	100.00
582800.000	10500.00	761.13	0.61	0.01	0.00	273.19	100.00
582800.000	19000.00	763.35	2.22	0.03	0.00	286.57	100.00
583000.000	4400.00	759.32	0.00	0.01	0.00	247.61	200.00
583000.000	8200.00	760.55	1.23	0.03	0.00	263.99	200.00
583000.000	10500.00	761.15	0.62	0.04	0.00	271.01	200.00
583000.000	19000.00	763.42	2.25	0.07	0.00	284.57	200.00
584000.000	4400.00	759.41	0.00	0.04	0.00	203.43	1100.00
584000.000	8200.00	760.75	1.34	0.20	0.00	212.99	1100.00
584000.000	10500.00	761.44	0.68	0.27	0.00	215.68	1100.00
584000.000	19000.00	763.85	2.42	0.43	0.00	225.39	1100.00
584200.000	4400.00	750.43	0.00	0.02	0.00	200.39	100.00
584200.000	8200.00	760.78	1.56	0.04	0.00	211.93	100.00
584200.000	10500.00	761.48	0.69	0.05	0.00	214.70	100.00
584200.000	19000.00	763.92	2.44	0.08	0.00	224.47	100.00
586080.000	4400.00	760.52	0.00	1.04	0.00	242.79	1880.00
586080.000	8200.00	763.17	2.65	2.38	0.00	277.46	1880.00
586080.000	10500.00	764.39	1.22	2.91	0.00	293.78	1880.00
586080.000	19000.00	767.91	3.52	3.99	0.00	340.56	1880.00
588880.000	4300.00	768.14	0.00	7.62	0.00	238.49	2800.00
588880.000	7900.00	771.46	3.32	8.29	0.00	273.04	2800.00
588880.000	10200.00	773.11	1.65	8.72	0.00	292.69	2800.00
588880.000	18500.00	777.81	4.70	9.89	0.00	353.53	2800.00
591495.000	4000.00	771.14	0.00	3.00	0.00	191.11	2615.00
591495.000	7300.00	775.03	3.89	3.56	0.00	316.14	2615.00
591495.000	9500.00	776.96	1.93	3.85	0.00	378.29	2615.00
591495.000	17200.00	782.21	5.24	4.40	0.00	540.71	2615.00

BT

QUALITATION INC. 14

SECD	U	CHSEL	DIKRP	DIKRSX	DIKRSB	TOPWID	XUCB
591545.000	4000.00	771.04	0.00	0.51	0.00	135.00	50.00
591545.000	7300.00	775.49	0.05	0.46	0.00	617.90	50.00
591545.000	9500.00	777.49	1.99	0.52	0.00	640.25	50.00
591545.000	17200.00	782.00	5.51	0.50	0.00	721.50	50.00
591575.000	4000.00	771.49	0.00	0.05	0.00	135.00	30.00
591575.000	7300.00	775.52	0.05	0.02	0.00	618.27	30.00
591575.000	9500.00	777.53	2.01	0.00	0.00	640.69	30.00
591575.000	17200.00	782.50	5.37	0.10	0.00	723.04	30.00
591625.000	4000.00	771.52	0.00	0.10	0.00	535.14	50.00
591625.000	7300.00	775.65	3.99	0.10	0.00	647.09	50.00
591625.000	9500.00	777.65	2.00	0.13	0.00	674.69	50.00
591625.000	17200.00	782.02	5.36	0.12	0.00	734.71	50.00
593800.000	4000.00	773.05	0.00	1.39	0.00	262.72	2255.00
593800.000	7300.00	776.97	3.02	1.32	0.00	347.24	2255.00
593800.000	9500.00	778.91	2.00	1.32	0.00	387.50	2255.00
593800.000	17200.00	784.36	5.39	1.35	0.00	501.12	2255.00
594900.000	4000.00	775.78	0.00	2.73	0.00	422.04	3020.00
594900.000	7300.00	779.75	2.93	2.73	0.00	591.76	3020.00
594900.000	9500.00	781.72	2.02	2.75	0.00	635.21	3020.00
594900.000	17200.00	787.17	5.95	2.81	0.00	746.26	3020.00
597127.000	4000.00	775.91	0.00	0.12	0.00	303.52	221.00
597127.000	7300.00	779.92	1.51	0.12	0.00	512.46	221.00
597127.000	9500.00	781.90	2.02	0.11	0.00	571.72	221.00
597127.000	17200.00	787.35	5.00	0.11	0.00	723.94	221.00
597197.000	4000.00	775.92	0.00	0.01	0.00	106.83	70.00
597197.000	7300.00	779.75	1.00	-0.05	0.00	120.00	70.00
597197.000	9500.00	781.78	1.00	-0.10	0.00	120.00	70.00
597197.000	17200.00	787.37	5.22	-0.22	0.00	353.22	70.00
597257.000	4000.00	777.80	0.00	0.02	0.00	107.03	81.00
597257.000	7300.00	780.25	0.33	0.36	0.00	130.00	81.00
597257.000	9500.00	782.31	2.07	1.02	0.00	176.00	81.00
597257.000	17200.00	787.37	0.27	0.51	0.00	522.41	81.00
597337.000	4000.00	776.12	0.00	0.19	0.00	341.23	50.00
597337.000	7300.00	780.65	0.50	0.32	0.00	539.53	50.00
597337.000	9500.00	782.69	2.00	0.40	0.00	609.90	50.00
597337.000	17200.00	787.32	4.28	0.65	0.00	744.77	50.00
597999.000	4000.00	775.50	0.00	0.36	0.00	166.00	660.00
597999.000	7300.00	779.84	0.00	1.00	0.00	322.77	660.00
597999.000	9500.00	781.77	2.51	0.35	0.00	543.01	660.00
597999.000	17200.00	787.30	4.00	0.61	0.00	744.01	660.00

THIS RUN EXECUTED 9 JUL 81 11:52:52

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 SULLYFORD COUNTY FIA STUDY--100 YR FLOOD(NATURAL)
 T2 FIA STUDY-DEEP RIVER,P.FORK DEEP RIVER
 T3 APR 1977 OLD REVISED JULY 1981 WRB

J1	YCHECK	IMR	LINV	IDIR	STRT	NETIC	HVINS	C	D	WSEL	FD
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	0.	761.100	0.000

J2	AMGE	IFLOI	PREVS	XSECV	XSECH	EN	ALUDC	ISA	CHRIE	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

J3	VARIABLE	COPIES	FOR	SUMMARY	PRINTOUT
	30.000	1.000	1.000	32.500	41.000
	53.000	21.000	22.000	50.000	4.000

GC	0.160	0.160	0.050	0.200	0.400	0.000	0.000	0.000	0.000	0.000	0.000
GI	7.000	3400.000	1700.000	10500.000	12000.000	10500.000	000.000	1000.000	1500.000	2000.000	
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	150.000	180.000	

X1	502500.000	10.000	100.000	350.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GP	775.000	0.000	770.000	90.000	750.000	130.000	757.000	150.000	740.000	205.000	
SE	740.000	332.000	797.000	380.000	760.000	400.000	770.000	400.000	770.000	130.000	
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	150.000	180.000	

X1	502700.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.500	0.000
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	150.000	180.000

X1	502800.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.500	0.000
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	150.000	180.000

X1	503000.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	0.400	0.000
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	20.000	201.000

X1	584000.000	8.000	30.000	240.000	1100.000	1100.000	1100.000	0.000	0.000	0.000
GR	770.000	0.000	760.000	30.000	750.000	80.000	749.400	61.000	749.400	179.000
GR	750.000	180.000	760.000	240.000	770.000	250.000	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	26.000	241.000

X1	584200.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.300	0.000
NC	0.160	0.160	0.060	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	495.000	705.000

X1	586000.000	17.000	500.000	579.000	1880.000	1880.000	1880.000	0.000	0.000	0.000
GR	783.400	400.000	773.100	446.000	771.500	450.000	750.700	500.000	754.800	505.000
GR	754.500	535.000	755.400	550.000	755.400	571.000	752.800	579.000	759.000	600.000
GR	757.900	650.000	757.700	700.000	759.100	723.000	762.100	750.000	767.400	800.000
GR	773.000	850.000	785.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	9.000	4300.000	7900.000	10200.000	18500.000	10200.000	000.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	452.000	632.000

X1	586800.000	15.000	500.000	575.000	2800.000	2800.000	2800.000	0.000	0.000	0.000
GR	782.000	320.000	772.000	400.000	768.000	423.000	762.000	450.000	760.000	500.000
GR	755.500	506.000	756.700	536.000	755.100	560.000	754.700	575.000	758.700	600.000
GR	780.800	630.000	764.400	650.000	762.000	660.000	776.600	700.000	780.900	725.000
BT	9.000	4000.000	7300.000	9500.000	17200.000	9500.000	000.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	370.000	545.000

X1	591000.000	11.000	500.000	541.000	2615.000	2615.000	2615.000	0.000	1.000	0.000
GR	782.000	50.000	770.200	400.000	764.100	450.000	761.800	500.000	757.900	514.000
GR	755.900	525.000	757.900	536.000	760.000	541.000	762.800	547.000	764.800	560.000
GR	790.000	610.000	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	275.000	435.000

X1	591545.000	26.000	500.000	635.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	782.000	0.000	774.500	50.000	773.400	100.000	772.500	150.000	771.700	200.000
GR	770.800	250.000	769.800	300.000	764.300	750.000	770.400	400.000	771.500	630.000
GR	771.400	450.000	772.400	500.000	762.000	500.000	767.500	507.000	764.000	510.000
GR	761.700	650.000	760.500	560.000	750.000	565.000	755.800	580.000	754.700	557.000
GR	761.700	600.000	753.000	605.000	767.800	617.000	760.900	635.000	772.500	635.000
GR	790.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	1.050	1.500	2.500	0.000	11.700	1.700	1074.800	4.110	0.000	0.300
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	275.000	635.000

X1	591275.000	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	19.000	0.000	775.000	0.000	30.000	774.500	0.000	100.000	773.000	0.000
BT	150.000	772.500	0.000	200.000	771.700	0.000	250.000	770.000	0.000	300.000
ET	787.800	0.000	350.000	764.300	0.000	430.000	772.400	0.000	630.000	771.300

BT	0.000	450.000	771.400	0.000	500.000	772.400	0.000	500.000	772.400	770.800
HT	635.000	772.500	770.800	635.000	772.500	0.000	650.000	772.700	0.000	700.000
HT	774.400	0.000	750.000	776.600	0.000	800.000	778.600	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	330.000	730.000

X1	591625.000	18.000	500.000	550.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	785.000	0.000	768.300	324.000	762.900	350.000	762.500	400.000	763.200	450.000
GR	763.600	470.000	762.000	500.000	755.900	800.000	755.600	520.000	759.000	542.000
GR	761.600	539.000	761.700	550.000	762.400	600.000	763.900	650.000	766.100	700.000
GR	768.600	750.000	772.100	900.000	790.000	920.000	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	467.000	687.000

X1	593680.000	14.000	500.000	550.000	2255.000	2255.000	2255.000	0.000	0.000	0.000
GR	790.000	350.000	773.100	450.000	770.100	465.000	765.000	477.000	764.400	500.000
GR	759.300	506.000	756.200	520.000	760.200	532.000	757.100	550.000	765.700	600.000
GR	768.600	650.000	770.100	665.000	772.200	700.000	790.000	570.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	375.000	710.000

X1	596500.000	25.000	500.000	547.000	5020.000	5020.000	5020.000	0.000	-0.100	0.000
GR	779.000	100.000	775.000	270.000	775.200	265.000	775.900	310.000	775.900	337.000
GR	773.900	337.000	777.800	387.000	777.800	367.000	777.800	380.000	763.700	250.000
GR	768.200	500.000	758.800	506.000	758.400	520.000	760.500	535.000	767.100	547.000
GR	767.600	550.000	768.600	500.000	768.100	550.000	771.000	700.000	772.200	725.000
GR	775.400	750.000	774.600	800.000	790.000	800.000	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	410.000	700.000

X1	597177.000	21.000	500.000	597.000	227.000	227.000	227.000	0.000	0.000	0.000
GR	790.000	100.000	775.000	300.000	770.200	350.000	777.000	300.000	777.700	300.000
GR	777.800	400.000	778.500	450.000	775.100	355.000	760.100	500.000	758.000	300.000
GR	758.400	520.000	750.900	535.000	757.100	347.000	767.600	550.000	762.600	600.000
GR	767.100	650.000	771.500	790.000	773.200	725.000	775.200	750.000	775.000	600.000
GR	790.000	800.000	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	430.000	700.000

X1	597197.000	22.000	500.000	625.000	70.000	70.000	70.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	781.000	781.000	0.000
GR	750.000	411.000	768.200	350.000	760.400	400.000	763.400	450.000	762.500	300.000
GR	762.000	505.000	776.700	595.000	776.300	511.000	769.500	520.000	765.000	200.000
GR	761.800	555.000	760.200	571.000	761.800	550.000	765.800	600.000	776.500	620.000
GR	776.700	625.000	762.600	625.000	772.600	630.000	742.600	650.000	741.000	700.000
GR	784.000	750.000	785.400	800.000	797.500	850.000	0.000	0.000	0.000	0.000
GR	1.050	1.500	2.500	0.000	19.500	4.400	1167.500	2.510	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	440.000	700.000

X1	597283.000	0.000	0.000	0.000	86.000	86.000	86.000	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	781.000	781.000	0.000
BT	15.000	311.000	788.000	0.000	350.000	786.200	0.000	400.000	784.400	0.000
BT	450.000	783.400	0.000	500.000	782.800	0.000	505.000	782.800	0.000	505.000
BT	782.800	778.000	625.000	782.600	778.000	625.000	782.600	0.000	630.000	782.600
BT	0.000	450.000	782.600	0.000	700.000	783.000	0.000	750.000	784.000	0.000
BT	800.000	785.400	0.000	650.000	787.500	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	380.000	730.000
X1	597333.000	21.000	500.000	541.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	790.000	109.000	779.400	300.000	778.200	350.000	777.600	360.000	774.400	380.000
GR	773.600	400.000	771.200	450.000	769.800	455.000	766.100	500.000	761.100	510.000
GR	758.400	522.000	761.300	534.000	764.700	541.000	767.600	550.000	768.600	600.000
GR	768.100	650.000	771.300	700.000	773.200	725.000	775.400	750.000	779.000	800.000
GR	790.000	900.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	371.000	721.000
X1	597999.000	0.000	0.000	0.000	666.000	666.000	666.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ORACLE FILED

81

THIS RUN EXECUTED 9 JUL 81 11:53:37

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 GUILFORD COUNTY FIA STUDY--100 YR ENCRDACHED
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER
 T3 APR 1977 OLD REVISED JULY 1981 WRB

J1	ICHECK	INQ	NINV	JOIR	STRT	MFIRIC	HVINS	C	WSEL	FO
	0.	6.	0.	0.	0.000000	0.00	0.0	0.	761.100	0.000
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBV	CHFIN	JTRALF
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

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DATE FILED: 8/11/81

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THIS RUN EXECUTED 9 JUL 81 11:54:32

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

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

APR 1977 DLO REVISED

SUMMARY PRINTOUT

SECNO	CWSEL	EC	ELPTN	ELLC	1CR*S	Q
582600.000	761.10	761.30	746.00	0.00	1.82	10500.00
582600.000	761.10	761.30	746.00	0.00	1.92	10500.00
582700.000	761.11	761.32	746.30	0.00	1.97	10500.00
582700.000	761.11	761.33	746.30	0.00	2.06	10500.00
582800.000	761.13	761.35	746.50	0.00	2.13	10500.00
582800.000	761.13	761.35	746.60	0.00	2.22	10500.00
583000.000	761.16	761.40	747.00	0.00	2.30	10500.00
583000.000	761.17	761.43	747.00	0.00	2.45	10500.00
584000.000	761.43	761.90	749.40	0.00	6.60	10500.00
584000.000	761.44	761.91	749.40	0.00	6.57	10500.00
584200.000	761.48	761.92	749.70	0.00	7.24	10500.00
584200.000	761.50	761.99	749.70	0.00	7.26	10500.00
586000.000	764.30	765.62	754.50	0.00	95.75	10500.00
586000.000	764.33	765.64	754.50	0.00	112.10	10500.00
588800.000	773.11	773.46	755.40	0.00	12.51	10200.00
588800.000	773.06	774.29	755.40	0.00	12.49	10200.00
591495.000	778.96	777.51	755.90	0.00	15.15	9500.00
591495.000	777.81	778.85	755.90	0.00	19.42	9500.00
591545.000	777.49	777.60	755.80	0.00	6.52	9500.00
591545.000	778.07	778.66	755.80	0.00	6.59	9500.00
591575.000	777.53	777.68	755.80	770.60	6.44	9500.00
591575.000	773.55	778.72	755.80	770.40	6.39	9500.00

ORACLE ELECTRONICS INC

SECNO	CMSEL	CG	FLMIN	ELLG	10K+S	0
591625.000	777.65	777.72	755.60	0.00	4.95	9500.00
591625.000	778.68	778.76	755.60	0.00	4.05	9500.00
593880.000	778.97	779.30	756.20	0.00	12.78	9500.00
593880.000	779.99	780.34	756.20	0.00	12.14	9500.00
596900.000	781.72	781.65	758.30	0.00	5.86	9500.00
596900.000	782.73	782.69	758.30	0.00	6.04	9500.00
597127.000	781.84	782.03	758.40	0.00	7.87	9500.00
597127.000	782.86	783.05	758.40	0.00	7.15	9500.00
597197.000	781.74	782.23	760.20	0.00	17.74	9500.00
597197.000	782.79	783.21	760.20	0.00	14.23	9500.00
597283.000	782.81	783.23	760.20	778.00	14.18	9500.00
597283.000	783.69	784.01	760.20	775.00	11.65	9500.00
597533.000	783.26	783.33	758.40	0.00	5.20	9500.00
597533.000	784.01	784.13	758.40	0.00	5.20	9500.00
597947.000	783.56	783.84	756.00	0.00	5.52	9500.00
597947.000	784.30	784.51	756.00	0.00	5.56	9500.00

APR 1977 DLO REVISED

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCIL	STCHR	ENDST	TOPAID	10K45
582600.000	761.10	125.60	150.00	380.00	402.20	276.60	1.82
582600.000	761.10	150.00	150.00	380.00	380.00	230.00	1.92
582700.000	761.11	126.73	150.00	380.00	401.64	274.91	1.67
582700.000	761.11	150.00	150.00	380.00	380.00	230.00	2.06
582800.000	761.13	127.37	150.00	380.00	401.66	273.14	2.14
582800.000	761.13	150.00	150.00	380.00	380.00	230.00	2.22
583000.000	761.15	129.33	150.00	380.00	400.34	271.01	2.36
583000.000	761.17	150.00	150.00	380.00	380.00	230.00	2.45
584000.000	761.43	25.74	30.00	240.00	241.42	215.28	6.66
584000.000	761.44	25.80	30.00	240.00	241.00	215.00	6.57
584200.000	761.46	26.86	30.00	240.00	241.17	214.70	7.24
584200.000	761.50	26.83	30.00	240.00	241.00	214.56	7.20
586000.000	764.39	477.73	500.00	575.00	771.57	202.70	95.75
586000.000	764.33	495.00	500.00	575.00	795.00	210.00	112.10
588000.000	773.11	391.09	500.00	575.00	653.73	270.79	16.51
588000.000	773.66	450.00	500.00	575.00	630.00	100.00	16.99
591495.000	776.96	190.44	500.00	541.00	577.76	378.20	19.15
591495.000	777.81	370.00	500.00	541.00	545.00	175.00	17.82
591545.000	777.40	39.77	500.00	635.00	652.02	646.25	6.12
591545.000	776.42	275.00	500.00	635.00	635.00	360.00	6.86
591575.000	777.53	65.56	500.00	635.00	652.52	606.10	6.04
591575.000	776.55	275.00	500.00	635.00	635.00	360.00	6.34
591625.000	777.65	192.54	500.00	550.00	637.23	608.65	7.05
591625.000	776.86	370.00	500.00	550.00	730.00	400.00	4.05
593000.000	778.97	415.25	500.00	550.00	632.70	347.56	12.78
593000.000	779.99	327.00	500.00	550.00	637.00	220.00	16.14
596000.000	781.72	192.66	500.00	547.00	725.67	633.01	5.86
596000.000	782.73	775.00	500.00	547.00	710.00	335.00	6.64
597127.000	781.30	250.01	500.00	537.00	625.79	571.78	7.67
597127.000	782.30	410.00	500.00	537.00	740.00	330.00	7.15
597197.000	781.74	505.00	505.00	625.00	625.00	120.00	17.16
597197.000	782.74	505.00	505.00	625.00	673.51	160.51	14.23

SECNO	CWSEL	STTA	STCKL	STCHR	ENDST	TOPRIO	LOKAS
597283.000	782.61	499.57	505.00	625.00	675.65	176.09	14.18
597283.000	783.69	440.00	505.00	625.00	734.44	294.09	11.66
597333.000	783.20	228.23	500.00	541.00	838.21	609.98	5.20
597333.000	784.01	380.00	500.00	541.00	730.00	350.00	5.25
597999.000	783.56	232.92	500.00	541.00	855.96	603.04	5.52
597999.000	784.36	371.00	500.00	541.00	721.00	350.00	5.56

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FLOODWAY DATA, APR 1977 DLQ REVISED
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
582600.000	230.	2906.	3.6	761.1	761.1	0.0
582700.000	230.	2842.	3.7	761.1	761.1	0.0
582800.000	230.	2776.	3.8	761.1	761.1	0.0
583000.000	230.	2693.	3.9	761.2	761.2	0.0
584000.000	215.	1915.	5.5	761.4	761.4	0.0
584200.000	215.	1862.	5.6	761.5	761.5	0.0
586080.000	210.	1505.	7.0	764.4	764.4	0.0
588820.000	180.	2737.	4.7	773.0	773.1	0.1
591495.000	175.	2362.	4.0	777.6	777.0	0.6
591545.000	360.	3905.	2.4	778.4	777.5	0.9
591575.000	360.	3951.	2.4	778.5	777.5	1.0
591625.000	460.	6298.	1.5	778.7	777.7	1.0
593880.000	220.	3143.	3.0	780.0	779.0	1.0
595960.000	335.	4916.	1.9	782.7	781.7	1.0
597127.000	330.	4441.	2.1	782.8	781.8	1.0
597197.000	164.	1827.	5.2	782.7	781.7	1.0
597283.000	294.	2048.	4.6	783.7	782.6	0.4
597333.000	340.	5303.	1.8	784.0	783.2	0.8
597960.000	350.	5261.	1.8	784.4	783.6	0.8

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ET	0.000	0.000	0.000	0.000	0.000	7.100	495.000	705.000	0.000	0.000
X1	586000.000	17.000	500.000	579.000	1880.000	1880.000	1880.000	0.000	0.000	0.000
GR	783.400	400.000	773.100	446.000	771.500	450.000	758.700	500.000	754.800	505.000
GR	754.500	535.000	755.400	550.000	755.400	571.000	758.800	579.000	759.000	600.000
GR	757.900	650.000	757.700	700.000	759.100	723.000	762.100	750.000	767.400	800.000
GR	773.000	650.000	785.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	9.000	4300.000	7960.000	10200.000	18500.000	10200.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	452.000	632.000	0.000	0.000

X1	588800.000	15.000	500.000	575.000	2800.000	2800.000	2800.000	0.000	0.000	0.000
GR	782.000	320.000	772.000	400.000	763.000	423.000	762.000	450.000	760.000	500.000
GR	755.500	506.000	756.700	536.000	755.400	560.000	759.700	575.000	758.700	600.000
GR	760.800	630.000	764.400	650.000	769.000	660.000	776.600	700.000	780.900	725.000
QT	9.000	4000.000	7300.000	9500.000	17200.000	9500.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	370.000	545.000	0.000	0.000

X1	591495.000	11.000	500.000	541.000	2615.000	2615.000	2615.000	0.000	0.000	0.000
GR	782.000	50.000	770.200	400.000	764.100	450.000	761.800	500.000	757.900	514.000
GR	755.900	525.000	757.900	536.000	760.000	541.000	762.800	547.000	769.800	560.000
GR	790.000	610.000	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	7.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	275.000	635.000	0.000	0.000

X1	591545.000	26.000	500.000	635.000	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	785.000	0.000	774.500	50.000	773.400	100.000	772.500	150.000	771.700	200.000
GR	770.800	250.000	769.800	300.000	769.300	350.000	770.400	400.000	771.300	430.000
GR	771.400	450.000	772.400	500.000	761.000	500.000	767.500	507.000	764.000	516.000
GR	761.700	550.000	760.500	500.000	754.000	565.000	755.000	580.000	759.700	597.000
GR	761.700	600.000	763.400	605.000	767.800	617.000	768.900	635.000	772.500	635.000
GR	790.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	1.000	1.500	2.500	0.000	11.700	1.700	107.800	4.110	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	275.000	635.000	0.000	0.000

X1	591575.000	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
41	19.000	0.000	775.600	0.000	50.000	774.500	0.000	100.000	773.400	0.000
BT	150.000	772.500	0.000	200.000	771.700	0.000	250.000	770.800	0.000	300.000
BT	769.800	0.000	350.000	769.300	0.000	400.000	770.400	0.000	430.000	771.300
BT	0.000	450.000	771.400	0.000	500.000	772.400	0.000	500.000	772.400	770.800
BT	635.000	772.500	770.800	635.000	772.500	0.000	650.000	772.700	0.000	700.000
ET	774.400	0.000	750.000	776.600	0.000	800.000	778.600	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	330.000	730.000	0.000	0.000

X1	591625.000	10.000	500.000	550.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	785.000	0.000	768.300	324.000	762.900	350.000	762.500	400.000	763.200	450.000
GR	763.600	470.000	762.000	500.000	752.900	500.000	755.600	520.000	759.000	532.000
GR	761.500	539.000	761.700	550.000	762.400	600.000	763.900	650.000	766.100	700.000
GR	768.600	750.000	772.100	800.000	790.000	920.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	11.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	467.000	687.000	0.000	0.000

X1	593880.000	14.000	500.000	550.000	2255.000	2255.000	2255.000	0.000	0.000	0.000
GR	790.000	350.000	773.100	450.000	770.100	463.000	765.000	477.000	764.400	500.000

*PROF 1

*SECNO 582600.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNK	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICUNT	CORAR	TOPHD	ENDST
582600.00	15.10	761.10	0.00	761.10	761.30	.20	0.00	0.00	757.00
10500.	12.	10475.	12.	54.	2906.	53.	0.	0.	757.60
0.00	.23	3.60	.23	.160	.030	.160	0.000	746.00	125.60
.000182	0.	0.	0.	0	0	0	0.00	276.60	402.20

FLOW DISTRIBUTION FOR SECNO= 582600.00 CWSEL= 761.10

STA=	126.	150.	380.	400.	402.
PER 0=	.1	99.8	.1	.0	.0
AREA=	54.4	2906.5	52.0	1.2	
VEL=	.2	3.6	.2	.1	

*SECNO 582700.000

582700.00	14.81	761.11	0.00	0.00	761.32	.21	.02	.00	757.30
10500.	11.	10479.	11.	46.	2842.	47.	7.	1.	757.30
.01	.22	3.69	.22	.160	.030	.160	.030	740.30	126.73
.000197	100.	100.	100.	0	0	0	0.00	274.91	401.64

FLOW DISTRIBUTION FOR SECNO= 582700.00 CWSEL= 761.11

STA=	127.	150.	380.	400.	402.
PER 0=	.1	99.8	.1	.0	.0
AREA=	47.7	2841.7	46.4	.7	
VEL=	.2	3.7	.2	.1	

*SECNO 582800.000

582800.00	14.53	761.13	0.00	0.00	761.35	.22	.02	.00	757.60
10500.	9.	10482.	9.	41.	2776.	41.	13.	1.	757.60
.01	.21	3.78	.21	.160	.030	.160	.030	740.00	127.87
.000213	100.	100.	100.	0	0	0	0.00	273.19	401.00

FLOW DISTRIBUTION FOR SECNO= 582800.00 CWSEL= 761.13

STA=	128.	150.	380.	400.	401.
PER 0=	.1	99.8	.1	.0	.0
AREA=	41.2	2775.9	40.6	.3	
VEL=	.2	3.8	.2	.1	

*SECNO 583000.000

583000.00	14.16	761.16	0.00	0.00	761.40	.24	.04	.01	758.00
10500.	7.	10487.	7.	33.	2692.	33.	26.	3.	758.00
.03	.20	3.90	.20	.160	.030	.160	.030	747.00	129.33
.000236	200.	200.	200.	0	0	0	0.00	271.01	400.34

FLOW DISTRIBUTION FOR SECNO= 583000.00 CWSEL= 761.16

STA=	129.	150.	380.	400.
PER 0=	.1	99.9	.1	

THIS RUN EXECUTED 26 SEP 77 16.00

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOODWAY
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER
 T3 APR 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FO
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	761.100	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	15.000	0.0000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

*PROF 2

CEHV= .200 CEHV= .400

*SECNO 582600.000

SECNO	DEPTH	CWSEL	CRTWS	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

3470 ENCROACHMENT STATIONS=	150.0	380.0	TYPE=	1	TARGET=	230.000
582600.00	15.10	761.10	0.00	761.10	761.30	.20 0.00 0.00 757.00
10500.	0.	10500.	0.	0.	2906.	0. 0. 0. 100000.00
0.00	0.00	3.61	0.00	.160	.030	.160 0.000 746.00 150.00
.000192	0.	0.	0.	0	0	0 0.00 230.00 380.00

FLOW DISTRIBUTION FOR SECNO= 582600.00 CWSEL= 761.10

STA= 150, 380.
 PER Q= 100.0
 AREA= 2906.5
 VEL= 3.6

*SECNO 582700.000

3470 ENCROACHMENT STATIONS=	150.0	380.0	TYPE=	1	TARGET=	230.000
582700.00	14.81	761.11	0.00	761.11	761.33	.21 .02 .00 757.30
10500.	0.	10500.	0.	0.	2842.	0. 7. 1. 100000.00
.01	0.00	3.69	0.00	.160	.030	.160 .030 746.30 150.00
.000206	100.	100.	100.	0	0	0 0.00 230.00 380.00

FLOW DISTRIBUTION FOR SECNO= 582700.00 CWSEL= 761.11

STA= 150, 380.
 PER Q= 100.0
 AREA= 2841.9
 VEL= 3.7

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

APR 1977 DLO

SUMMARY PRINTOUT

SECNO	CWSEL	EC	ELLC	FLMIN	10K*5	W
582600.000	761.10	761.30	0.00	746.00	1.82	10500.00
582600.000	761.10	761.30	0.00	746.00	1.92	10500.00
582700.000	761.11	761.32	0.00	746.30	1.97	10500.00
582700.000	761.11	761.33	0.00	746.30	2.06	10500.00
582800.000	761.33	761.35	0.00	746.60	2.13	10500.00
582800.000	761.33	761.35	0.00	746.60	2.22	10500.00
583000.000	761.16	761.40	0.00	747.00	2.36	10500.00
583000.000	761.17	761.40	0.00	747.00	2.45	10500.00
584000.000	761.43	761.90	0.00	749.40	6.60	10500.00
584000.000	761.44	761.91	0.00	749.40	6.57	10500.00
584200.000	761.48	761.98	0.00	749.70	7.24	10500.00
584200.000	761.50	761.99	0.00	749.70	7.26	10500.00
586080.000	764.39	765.62	0.00	754.50	95.75	10500.00
586080.000	764.33	765.84	0.00	754.50	112.10	10500.00
588880.000	773.11	773.46	0.00	755.40	12.51	10200.00
588880.000	773.86	774.28	0.00	755.40	12.99	10200.00
591495.000	776.96	777.51	0.00	755.90	10.15	9500.00
591495.000	777.81	778.45	0.00	755.90	10.42	9500.00
591545.000	777.49	777.64	0.00	755.80	6.52	9500.00
591545.000	778.42	778.60	0.00	755.80	6.59	9500.00
591575.000	777.53	777.68	770.80	755.80	6.44	9500.00
591575.000	778.42	778.60	770.80	755.80	6.59	9500.00
591625.000	777.65	777.72	0.00	755.60	3.95	9500.00
591625.000	778.55	778.64	0.00	755.60	4.15	9500.00
593880.000	778.97	779.30	0.00	756.20	12.78	9500.00
593880.000	779.90	780.25	0.00	756.20	12.37	9500.00

SECNO	CHSEL	EG	ELLC	ELMIN	10K*S	Q
597127.000	782.06	782.22	0.00	758.40	6.54	9500.00
597127.000	782.97	783.15	0.00	758.40	6.59	9500.00
597197.000	781.94	782.41	0.00	760.20	16.99	9500.00
597197.000	782.89	783.51	0.00	760.20	13.98	9500.00
597283.000	782.98	783.39	778.00	760.20	13.63	9500.00
597283.000	783.76	784.13	778.00	760.20	11.82	9500.00
597333.000	783.37	783.49	0.00	758.40	5.00	9500.00
597333.000	784.08	784.22	0.00	758.40	5.18	9500.00
597999.000	783.71	783.84	0.00	759.00	5.31	9500.00
597999.000	784.43	784.58	0.00	759.00	5.49	9500.00

APR 1977

DLQ

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
582600.000	761.10	125.60	150.00	380.00	402.20	276.60
582600.000	761.10	156.00	150.00	380.00	380.00	230.00
582700.000	761.11	126.73	150.00	380.00	401.64	274.91
582700.000	761.11	150.00	150.00	380.00	380.00	230.00
582800.000	761.13	127.87	150.00	380.00	401.06	273.19
582800.000	761.13	150.00	150.00	380.00	380.00	230.00
583000.000	761.16	129.33	150.00	380.00	400.34	271.01
583000.000	761.17	150.00	150.00	380.00	380.00	230.00
584000.000	761.43	25.74	30.00	240.00	241.42	215.68
584000.000	761.44	26.00	30.00	240.00	241.00	215.00
584200.000	761.48	26.48	30.00	240.00	241.17	214.70
584200.000	761.50	26.43	30.00	240.00	241.00	214.56
586080.000	764.39	477.79	500.00	579.00	771.57	293.78
586080.000	764.33	495.00	500.00	579.00	705.00	210.00
588880.000	773.11	391.09	500.00	575.00	683.78	292.69
588880.000	773.86	452.00	500.00	575.00	632.00	180.00
591495.000	776.96	199.44	500.00	541.00	577.73	378.29
591495.000	777.61	370.00	500.00	541.00	545.00	175.00
591545.000	777.49	35.77	500.00	635.00	682.02	646.25
591545.000	778.42	275.00	500.00	635.00	635.00	360.00
591575.000	777.53	35.59	500.00	635.00	682.39	646.80
591575.000	778.42	275.00	500.00	635.00	635.00	360.00
591625.000	777.65	142.54	500.00	550.00	837.23	694.69
591625.000	778.55	330.00	500.00	550.00	730.00	400.00
593880.000	778.97	415.25	500.00	550.00	802.74	387.50
593880.000	779.90	467.00	500.00	550.00	687.00	220.00
597127.000	782.06	249.76	500.00	547.00	827.83	578.05
597127.000	782.97	400.00	500.00	547.00	720.00	320.00
597197.000	781.94	505.00	505.00	625.00	625.00	120.00
597197.000	782.89	505.00	505.00	625.00	625.00	120.00
597283.000	782.98	484.77	505.00	625.00	697.85	213.08
597283.000	783.76	505.00	505.00	625.00	625.00	120.00
597333.000	783.37	225.04	500.00	541.00	839.75	614.71
597333.000	784.08	380.00	500.00	541.00	730.00	350.00
597999.000	783.71	229.97	500.00	541.00	837.38	607.40
597999.000	784.43	371.00	500.00	541.00	721.00	350.00

FLOODWAY DATA, APR 1977
 PROFILE NO. 2

DLO

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT.)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
582600.000	230.	2906.	3.6	761.1	761.1	0.0
582700.000	230.	2842.	3.7	761.1	761.1	0.0
582800.000	230.	2775.	3.8	761.1	761.1	0.0
583000.000	230.	2693.	3.9	761.2	761.2	0.0
584000.000	215.	1915.	5.5	761.4	761.4	0.0
584200.000	215.	1862.	5.6	761.5	761.5	0.0
586080.000	210.	1505.	7.0	764.4	764.4	0.0
A 588880.000	180.	2737.	3.7	773.8	773.1	.7
B 591495.000	175.	2362.	4.0	777.8	777.0	.8
C 591549.000	360.	3905.	2.4	778.4	777.5	.9
591575.000	360.	3905.	2.4	778.4	777.5	.9
591625.000	400.	6249.	1.5	778.6	777.7	.9
593880.000	220.	3122.	3.0	779.9	779.0	.9
D 597127.000	320.	4658.	2.0	783.0	782.1	.9
597197.000	120.	1832.	5.2	782.9	781.9	1.0
597283.000	120.	1937.	4.9	783.8	783.0	.8
597333.000	350.	5329.	1.8	784.1	783.4	.7
E 597999.000	350.	5225.	1.8	784.4	783.7	.7

T1 GUILFORD COUNTY FIA STUDY ***100 YR FREQUENCY FLOOD***
 T2 STREAM NO 27
 T3 PROGRAM 722-02Z LWR FEB 1977

MTR 1
 STA 259
 CHAN 259
 9/1/77

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEC	FG
	0.	2.	0.	0.	0.	0.	0.	0.	772.270	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN.	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.	1.000	0.	0.	0.	0.	0.	0.	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.	38.000	1.000
	53.000	21.000	22.000	54.000	4.000	0.	200.000	0.	0.	0.
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
QT	7.000	565.000	565.000	565.000	565.000	455.000	525.000	675.000	0.	0.
ET	0.	0.	7.400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	1000.000	1100.000	0.	0.	0.	0.	0.
X1	75.000	14.000	1700.000	1020.000	0.	0.	0.	0.	-0.200	0.
GR	800.000	400.000	798.000	550.000	794.000	600.000	790.000	690.000	784.000	750.000
GR	783.400	800.000	776.000	900.000	771.800	1000.000	766.100	1005.000	766.200	1015.000
GR	771.500	1020.000	772.000	1100.000	780.500	1200.000	789.600	1300.000	0.	0.
ET	0.	0.	4.100	1000.000	1100.000	0.	0.	0.	0.	0.
X1	100.000	0.	0.	0.	25.000	25.000	25.000	0.	0.200	0.
ET	0.	0.	7.400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	1000.000	1100.000	0.	0.	0.	0.	0.
X1	150.000	10.000	1000.000	1010.000	50.000	50.000	50.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	770.800	770.800	0.
GR	797.400	600.000	783.400	800.000	776.000	900.000	771.800	1000.000	766.800	1001.000
GR	766.800	1017.000	771.500	1018.000	772.000	1100.000	780.500	1200.000	789.600	1300.000
SR	1.250	1.500	3.000	0.	12.000	4.000	24.000	0.	766.800	766.800
ET	0.	0.	4.100	940.000	1090.000	0.	0.	0.	0.	0.
X1	253.000	12.000	1003.000	1015.000	103.000	103.000	103.000	0.	0.	0.
X2	0.	0.	1.000	770.800	799.100	0.	0.	0.	0.	0.
X5	2.000	786.800	787.300	0.	0.	0.	0.	0.	0.	0.
BT	12.000	400.000	800.000	800.000	790.300	797.100	791.200	800.000	797.700	783.400
BT	900.000	798.400	776.000	1003.000	799.100	766.800	1004.000	799.100	770.800	1314.000
BT	799.100	770.800	1015.000	799.100	766.800	1100.000	800.000	772.000	1200.000	801.100
BT	780.500	1300.000	802.100	789.600	1500.000	803.000	803.000	0.	0.	0.
GR	800.000	400.000	791.200	700.000	783.400	800.000	776.000	900.000	766.800	1003.000
GR	766.800	1004.000	766.800	1014.000	766.800	1015.000	772.000	1100.000	780.500	1200.000
GR	789.600	1300.000	803.000	1500.000	0.	0.	0.	0.	0.	0.
QT	7.000	1470.000	1470.000	1470.000	1470.000	715.000	1205.000	2400.000	0.	0.
ET	0.	0.	4.100	880.000	1030.000	0.	0.	0.	0.	0.
X1	305.000	21.000	1000.000	1027.000	52.000	52.000	52.000	0.	0.	0.
GR	810.000	400.000	800.000	500.000	776.000	600.000	770.000	540.000	790.000	650.000
GR	784.000	740.000	780.000	780.000	774.000	890.000	772.000	960.000	771.900	1000.000

GR	787,400	1000,000	787,500	1019,000	772,500	1027,000	774,000	1040,000	778,000	1100,000
GR	790,000	1200,000	792,000	1240,000	794,000	1290,000	798,000	1340,000	800,000	1400,000
GR	810,000	1600,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	885,000	1035,000	0.	0.	0.	0.	0.
X1	825,000	17,000	1000,000	1035,000	520,000	520,000	520,000	0.	0.	0.
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	770,900	1013,000	770,700	1022,000
GR	778,700	1035,000	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000
GR	793,100	1500,000	800,000	1700,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	880,000	1030,000	0.	0.	0.	0.	0.
X1	875,000	21,000	1010,000	1026,000	50,000	50,000	50,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	778,500	778,500	0.
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,400
GR	771,600	1012,100	771,600	1023,900	773,700	1025,900	776,500	1026,000	778,700	1035,000
GR	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000	793,100	1500,000
GR	800,000	1700,000	0.	0.	0.	0.	0.	0.	0.	0.
NC	0,030	0,030	0,024	0,200	0,400	0.	0.	0.	0.	0.
ET	0.	0.	4,100	880,000	1030,000	0.	0.	0.	0.	0.
X1	876,000	27,000	1010,000	1026,000	1,000	1,000	1,000	0.	0.	0.
BT	23,000	350,000	800,000	800,000	400,000	796,200	795,100	500,000	789,600	787,700
BT	600,000	785,100	781,700	700,000	782,400	781,000	800,000	781,200	780,700	900,000
BT	780,800	780,500	1000,000	781,300	779,300	1010,000	781,300	776,500	1012,100	781,300
BT	779,300	1014,900	781,300	778,500	1016,900	781,300	776,500	1019,100	781,300	776,500
BT	1021,100	781,300	778,500	1023,900	781,300	778,500	1026,000	781,300	776,500	1035,000
BT	781,300	778,700	1100,000	782,200	780,600	1200,000	783,600	782,700	1300,000	785,900
BT	785,800	1400,000	789,600	788,200	1500,000	794,600	793,100	1700,000	800,000	800,000
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,000
GR	771,600	1012,100	771,600	1014,900	773,700	1016,900	776,500	1016,900	776,500	1019,100
GR	773,700	1019,100	771,600	1021,100	771,600	1023,900	773,700	1026,000	776,500	1026,000
GR	776,500	1035,000	780,600	1100,000	782,700	1200,000	785,800	1300,000	778,200	1400,000
GR	793,100	1500,000	800,000	1700,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	900,000	1030,000	0.	0.	0.	0.	0.
X1	926,000	0.	0.	0.	50,000	50,000	50,000	0.	0.	0.
X2	0.	0.	0.	0.	0.	0.	1,000	0.	0.	0.
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
ET	0.	0.	4,100	900,000	1030,000	0.	0.	0.	0.	0.
X1	927,000	21,000	1010,000	1026,000	1,000	1,000	1,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	781,300	781,300	0.
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,100
GR	771,600	1012,100	771,600	1023,900	773,700	1025,900	776,500	1026,000	778,700	1035,000
GR	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000	793,100	1500,000
GR	800,000	1700,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	885,000	1035,000	0.	0.	0.	0.	0.
X1	980,000	14,000	1000,000	1033,000	53,000	53,000	53,000	0.	0.	0.
GR	800,000	350,000	790,000	470,000	720,000	580,000	780,000	900,000	780,000	990,000
GR	778,500	1000,000	771,900	1014,000	771,400	1028,000	776,900	1033,000	782,000	1100,000
GR	780,000	1240,000	790,000	1350,000	790,000	1550,000	800,000	1640,000	0.	0.
ET	0.	0.	15,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	965,000	1115,000	0.	0.	0.	0.	0.

X1	1700,000	27,000	1000,000	1020,000	980,000	980,000	980,000	0.	0.	0.
GR	810,000	340,000	808,000	370,000	806,000	420,000	800,000	530,000	798,000	570,000
GR	796,000	650,000	794,100	700,000	791,600	800,000	784,400	900,000	780,300	950,000
GR	778,200	1000,000	772,200	1010,000	772,300	1020,000	778,400	1026,000	780,000	1100,000
GR	784,300	1181,000	783,300	1183,000	785,400	1188,000	786,200	1200,000	785,000	1233,000
GR	783,200	1241,000	784,700	1246,000	790,700	1300,000	795,300	1335,000	801,500	1400,000
GR	810,000	1500,000	820,000	1650,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	970,000	1100,000	0.	0.	0.	0.	0.

X1	1800,000	10,000	1000,000	1019,000	100,000	100,000	100,000	0.	-0.500	0.
GR	796,000	800,000	782,000	950,000	779,000	1000,000	775,000	1005,000	775,000	1014,000
GR	779,000	1019,000	782,000	1100,000	786,000	1180,000	793,000	1300,000	803,000	1400,000
QT	7,000	1055,000	1055,000	1055,000	1055,000	400,000	765,000	1400,000	0.	0.
ET	0.	0.	4,100	990,000	1060,000	0.	0.	0.	0.	0.

X1	1900,000	10,000	1000,000	1017,000	100,000	100,000	100,000	0.	0.	0.
GR	798,000	820,000	784,000	960,000	781,000	1000,000	777,000	1005,000	777,000	1012,000
GR	781,000	1017,000	784,000	1090,000	788,000	1150,000	795,000	1250,000	805,000	1300,000
ET	0.	0.	4,100	150,000	200,000	0.	0.	0.	0.	0.

X1	2050,000	12,000	160,000	177,000	150,000	150,000	150,000	0.	0.400	0.
GR	794,000	0.	790,000	60,000	786,000	100,000	784,000	140,000	783,000	160,000
GR	779,400	166,000	779,400	173,000	783,000	177,000	784,000	210,000	786,000	245,000
GR	790,000	350,000	800,000	400,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	6,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	990,000	1040,000	0.	0.	0.	0.	0.

X1	2125,000	8,000	1000,000	1016,000	75,000	75,000	75,000	0.	0.800	0.
GR	796,000	875,000	789,000	950,000	783,500	1000,000	780,500	1005,000	780,500	1011,000
GR	783,500	1016,000	790,000	1140,000	796,000	1180,000	0.	0.	0.	0.
ET	0.	0.	4,100	990,000	1050,000	0.	0.	0.	0.	0.

X1	2200,000	12,000	1000,000	1015,000	75,000	75,000	75,000	0.	0.500	0.
GR	800,000	850,000	796,000	900,000	794,000	930,000	792,000	950,000	790,000	950,000
GR	785,000	1000,000	782,500	1007,000	782,500	1012,000	785,000	1015,000	787,000	1050,000
GR	790,000	1100,000	800,000	1170,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	985,000	1055,000	0.	0.	0.	0.	0.

X1	2325,000	0.	0.	0.	125,000	125,000	125,000	0.	2,400	0.
ET	0.	0.	9,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	70,000	150,000	0.	0.	0.	0.	0.

X1	2450,000	9,000	90,000	105,000	125,000	125,000	125,000	0.	-0.300	0.
GR	800,000	0.	796,000	50,000	791,000	80,000	791,000	90,000	788,000	94,000
GR	788,000	98,000	791,000	105,000	793,000	150,000	800,000	210,000	0.	0.
ET	0.	0.	1,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	370,000	450,000	0.	0.	0.	0.	0.

X1	2600,000	21,000	375,000	380,000	150,000	150,000	150,000	0.	-2,000	0.
GR	824,000	50,000	820,000	170,000	815,800	200,000	815,400	216,000	815,900	216,000
GR	815,000	246,000	806,300	300,000	796,400	375,000	793,700	361,000	793,600	383,000
GR	796,300	388,000	795,700	430,000	795,700	435,000	797,300	447,000	797,300	453,000
GR	803,200	500,000	812,000	600,000	812,200	613,000	811,700	613,000	812,000	629,000
GR	820,000	750,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	19,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	375,000	455,000	0.	0.	0.	0.	0.

FLOW DISTRIBUTION FOR SECNO= 4097.00 CWSEL= 811.97
 STA= 913, 955, 979, 1002, 1015, 1029, 1080.
 PER Q= 9.2 18.1 21.1 45.6 5.4 0.5
 AREA= 103.3 122.8 132.6 128.1 49.2 22.1
 VEL= 0.9 1.6 1.7 3.8 1.2 0.3

*SECNO 4150.000
 4150.00 9.65 812.05 0. 0. 812.22 0.17 0.11 0.02 811.40
 1055, 139, 916, 0, 183, 259, 0, 185, 33, 812.50
 1.21 0.76 3.54 0, 0.120 0.060 0.120 0.059 802.40 859.54
 0.002652 53, 53, 53, 2 0 0, 192.61 1052.15

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 812.05
 STA= 860, 880, 1000, 1053.
 PER Q= 1.3 11.9 86.8
 AREA= 20.9 161.6 258.7
 VEL= 0.6 0.8 3.5

T1 GUILFORD COUNTY FIA STUDY ** FLOODWAY COMPUTATIONS **
 T2 STREAM NO 27
 T3 PROGRAM 722-02Z LWR FEB 1977

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	772.970	0.
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	15.000

*PROF 2

CCHV= 0.200 CEHV= 0.400
 *SECNO 75.000

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

3470 ENCROACHMENT STATIONS=	1000.0	1100.0	TYPE=	1	TARGET=	100.000
75.00	7.07	772.97	0.	772.27	773.15	0.21 0. 0. 771.60
565.	0.	456.	109.	0.	113.	114. 0. 0. 771.30
0.	0.	4.04	0.96	0.120	0.060	0.120 0. 765.90 1000.00
0.003822	0.	0.	0.	0	0	0 0. 100.00 1100.00

FLOW DISTRIBUTION FOR SECNO= 75.00 CWSEL= 772.97
 STA= 1000, 1020, 1100.
 PER Q= 80.7 19.3
 AREA= 112.9 113.6
 VEL= 4.0 1.0

*SECNO 100.000

3470 ENCROACHMENT STATIONS=	1000.0	1100.0	TYPE=	1	TARGET=	100.000
100.00	6.96	773.06	0.	772.44	773.29	0.23 0.10 0.01 771.80
565.	0.	465.	100.	0.	111.	105. 0. 0. 771.50
0.00	0.	4.19	0.95	0.120	0.060	0.120 0.058 766.10 1000.00
0.004196	25.	25.	25.	0	0	0 0. 100.00 1100.00

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 773.06
 STA= 1000, 1020, 1100.

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

PROGRAM 722-02Z
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
75.000	772,27	772,65	0.	765,90	69,86	565,00
75.000	772,97	773,18	0.	765,90	38,22	565,00
100.000	772,44	772,63	0.	766,10	71,76	565,00
100.000	773,06	773,29	0.	766,10	41,96	565,00
150.000	772,91	773,16	0.	766,80	49,05	565,00
150.000	773,31	773,49	0.	766,80	37,64	565,00
* 253.000	786,80	786,80	100000,00	766,80	0,02	565,00
* 253.000	787,30	787,30	100000,00	766,80	0,06	565,00
305.000	786,80	786,80	0.	767,40	0,21	1470,00
305.000	787,30	787,31	0.	767,40	0,51	1470,00
825.000	786,81	786,82	0.	770,70	0,49	1470,00
825.000	787,33	787,37	0.	770,70	2,55	1470,00
875.000	786,82	786,82	0.	771,60	0,59	1470,00
875.000	787,34	787,38	0.	771,60	3,76	1470,00
876.000	786,82	786,82	800,00	771,60	0,07	1470,00
876.000	787,35	787,39	800,00	771,60	0,86	1470,00
926.000	786,82	786,82	800,00	771,60	0,07	1470,00
926.000	787,35	787,39	800,00	771,60	1,01	1470,00
927.000	786,82	786,82	0.	771,60	0,59	1470,00
927.000	787,35	787,39	0.	771,60	3,54	1470,00
980.000	786,82	786,82	0.	771,40	0,33	1470,00
980.000	787,37	787,41	0.	771,40	2,18	1470,00
1700.000	786,88	786,89	0.	772,20	1,78	1470,00
1700.000	787,60	787,63	0.	772,20	2,44	1470,00
1800.000	786,89	786,92	0.	774,50	3,70	1470,00
1800.000	787,62	787,67	0.	774,50	4,93	1470,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
1900,000	786,92	786,99	0.	777,00	10,56	1055,00
1900,000	787,64	787,79	0.	777,00	15,07	1055,00
2050,000	787,10	787,37	0.	779,80	49,13	1055,00
2050,000	787,84	788,32	0.	779,80	60,11	1055,00
2125,000	787,32	788,28	0.	781,30	180,92	1055,00
2125,000	788,28	788,99	0.	781,30	103,61	1055,00
2200,000	788,74	789,72	0.	783,00	200,18	1055,00
2200,000	789,13	790,00	0.	783,00	155,91	1055,00
2325,000	791,22	792,14	0.	785,40	185,44	1055,00
2325,000	791,22	792,17	0.	785,40	188,18	1055,00
2450,000	793,64	794,49	0.	787,70	189,38	1055,00
2450,000	793,68	794,53	0.	787,70	185,55	1055,00
2600,000	796,87	797,36	0.	791,60	183,69	1055,00
2600,000	796,89	797,46	0.	791,60	197,81	1055,00
2700,000	798,78	799,32	0.	793,60	205,05	1055,00
2700,000	798,99	799,45	0.	793,60	197,61	1055,00
3975,000	809,95	810,19	0.	801,80	46,02	1055,00
3975,000	810,03	810,29	0.	801,80	46,75	1055,00
4025,000	810,15	810,47	0.	801,90	54,67	1055,00
4025,000	810,23	810,67	0.	801,90	87,46	1055,00
* 4026,000	811,00	811,67	840,00	801,90	96,03	1055,00
* 4026,000	811,11	812,35	840,00	801,90	160,27	1055,00
4096,000	811,88	812,06	840,00	801,90	23,58	1055,00
4096,000	812,58	812,87	840,00	801,90	22,66	1055,00
4097,000	811,97	812,08	0.	801,90	17,84	1055,00
4097,000	812,82	812,92	0.	801,90	18,48	1055,00
4150,000	812,05	812,22	0.	802,40	26,52	1055,00
4150,000	812,87	813,06	0.	802,40	21,34	1055,00

PROGRAM 722-02Z
SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
75.000	772,27	984,05	1000,00	1020,00	1105,53	121,48
75.000	772,97	1000,00	1000,00	1020,00	1100,00	100,00
100.000	772,44	984,65	1000,00	1020,00	1105,23	120,58
100.000	773,06	1000,00	1000,00	1020,00	1100,00	100,00
150.000	772,91	973,66	1000,00	1018,00	1110,66	137,00
150.000	773,31	1000,00	1000,00	1018,00	1100,00	100,00
253.000	786,80	756,41	1003,00	1015,00	1269,23	512,82
253.000	787,30	940,00	1003,00	1015,00	1090,00	150,00
305.000	786,80	716,68	1000,00	1027,00	1173,32	456,65
305.000	787,30	880,00	1000,00	1027,00	1030,00	150,00
825.000	786,81	514,92	1000,00	1035,00	1341,87	826,95
825.000	787,33	885,00	1000,00	1035,00	1035,00	150,00
875.000	786,82	514,74	1010,00	1026,00	1342,33	827,59
875.000	787,34	880,00	1010,00	1026,00	1030,00	150,00
876.000	786,82	514,70	1010,00	1026,00	1457,84	943,14
876.000	787,35	880,00	1010,00	1026,00	1030,00	150,00
926.000	786,82	514,65	1010,00	1026,00	1457,86	943,20
926.000	787,35	900,00	1010,00	1026,00	1050,00	150,00
927.000	786,82	514,68	1010,00	1026,00	1342,48	827,80
927.000	787,35	900,00	1010,00	1026,00	1050,00	150,00
980.000	786,82	504,97	1000,00	1033,00	1315,04	810,06
980.000	787,37	885,00	1000,00	1033,00	1035,00	150,00
1700.000	786,88	865,74	1000,00	1020,00	1265,50	399,77
1700.000	787,80	965,00	1000,00	1020,00	1115,00	150,00
1800.000	786,89	892,28	1000,00	1019,00	1203,77	311,49
1800.000	787,62	970,00	1000,00	1019,00	1100,00	130,00
1900.000	786,92	930,79	1000,00	1017,00	1133,82	203,04
1900.000	787,64	990,00	1000,00	1017,00	1060,00	70,00
2050.000	787,10	92,96	160,00	177,00	263,48	170,52
2050.000	787,64	150,00	160,00	177,00	200,00	50,00
2125.000	787,32	966,36	1000,00	1016,00	1073,76	107,40
2125.000	788,28	990,00	1000,00	1016,00	1040,00	50,00
2200.000	788,74	974,09	1000,00	1015,00	1070,65	96,56
2200.000	789,13	990,00	1000,00	1015,00	1050,00	60,00
2325.000	791,22	973,48	1000,00	1015,00	1071,92	98,44
2325.000	791,22	985,00	1000,00	1015,00	1055,00	70,00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
2450.000	793.64	62.37	90.00	105.00	158.04	95.67
2450.000	793.68	70.00	90.00	105.00	150.00	80.00
2600.000	796.87	356.30	375.00	388.00	465.49	109.19
2600.000	796.89	370.00	375.00	388.00	450.00	80.00
2700.000	798.78	357.03	375.00	388.00	464.72	107.69
2700.000	798.99	375.00	375.00	388.00	455.00	80.00
3975.000	809.95	930.14	1000.00	1029.00	1026.40	96.25
3975.000	810.03	954.00	1000.00	1029.00	1026.58	72.58
4025.000	810.15	928.34	1002.00	1015.00	1026.50	98.16
4025.000	810.23	965.00	1002.00	1015.00	1015.00	50.00
4026.000	811.00	927.15	1002.00	1015.00	1083.04	155.89
4026.000	811.11	965.00	1002.00	1015.00	1015.00	50.00
4096.000	811.88	897.01	1002.00	1015.00	1094.52	197.51
4096.000	812.58	950.00	1002.00	1015.00	1020.00	70.00
4097.000	811.97	912.53	1002.00	1015.00	1080.19	167.66
4097.000	812.82	945.00	1002.00	1015.00	1015.00	70.00
4150.000	812.05	859.54	1000.00	1053.00	1052.15	192.61
4150.000	812.87	993.00	1000.00	1053.00	1053.00	60.00

SUMMARY OF ERRORS

NOTE	SECNO= 253.000	PROFILE= 1	WSEL BASED ON X5 CARD
CAUTION	SECNO= 253.000	PROFILE= 1	HYDRAULIC JUMP D.S.
NOTE	SECNO= 253.000	PROFILE= 2	WSEL BASED ON X5 CARD
CAUTION	SECNO= 253.000	PROFILE= 2	HYDRAULIC JUMP D.S.
CAUTION	SECNO= 4026.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4026.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4026.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4026.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4026.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4026.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL

Stream No. 2)
 FLOODWAY DATA,
 PROFILE NO. 2

PROGRAM 722-02Z

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
75.000	100.	226.	2.5	773.0	772.3	0.7
A 100.000	100.	216.	2.6	773.0	772.4	0.6
150.000	100.	240.	2.4	773.3	772.9	0.4
253.000	150.	2726.	0.2	787.3	786.8	0.5
305.000	150.	2281.	0.6	787.3	786.8	0.5
825.000	150.	1318.	1.1	787.3	786.8	0.5
875.000	150.	1262.	1.2	787.3	786.8	0.5
876.000	150.	1021.	1.4	787.3	786.8	0.5
926.000	150.	1017.	1.4	787.3	786.8	0.5
927.000	150.	1302.	1.1	787.3	786.8	0.5
B 980.000	150.	1331.	1.1	787.3	786.8	0.5
C 1700.000	150.	1384.	1.1	787.6	786.9	0.7
1800.000	130.	1093.	1.3	787.6	786.9	0.7
1900.000	70.	471.	2.2	787.6	786.9	0.7
2050.000	50.	255.	4.1	787.8	787.1	0.7
2125.000	50.	213.	5.0	788.3	787.3	1.0
2200.000	60.	202.	5.2	789.1	788.7	0.4
2325.000	70.	196.	5.3	791.2	791.2	0.
2450.000	80.	213.	4.9	793.6	793.6	0.
2600.000	80.	234.	4.5	796.9	796.9	0.
D 2700.000	60.	240.	4.4	799.0	798.8	0.2
3975.000	73.	319.	3.3	810.0	809.9	0.1
4025.000	50.	247.	4.3	810.3	810.2	0.1
4026.000	50.	121.	8.7	811.1	811.0	0.1
4096.000	70.	244.	4.3	812.6	811.9	0.7
E 4097.000	70.	486.	2.2	812.9	812.0	0.9
4150.000	60.	313.	3.4	812.8	812.0	0.8

WATER VEL. CURRENTLY @ 2.6 FPS
 OVER VEL. @ TC WOULD BE ABOVE 3 FPS

SNUMB = 8044T, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 001665

WFB 9/20/77
METIL FLOOD
42 CAPS CHANGED
@ STA 9300

T1 GUILFORD COUNTY FIA STUDY 100 YR FLOOD
T2 TRIBUTARY-95 RICH FORK TRIB,
T3 MARCH 1977 DWL

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	0.	2.	0.	0.	0.	0.	0.	0.	755,670	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	15,000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	5,000	41,000	42,000	5,000	43,000	0.	38,000	1,000
	53,000	21,000	22,000	54,000	4,000	0.	200,000	0.	0.	0.
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
QT	7,000	1950,000	1950,000	1950,000	1950,000	1040,000	1670,000	3120,000	0.	0.
ET	0.	0.	10,400	8,400	6,400	0.	0.	0.	0.	0.
E1	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1800,000	14,000	500,000	525,000	0.	0.	0.	0.	0.	0.
GR	790,000	120,000	772,900	300,000	768,600	350,000	761,500	400,000	754,400	450,000
GR	750,100	500,000	745,700	504,000	744,800	511,000	744,900	516,000	750,300	525,000
GR	753,500	550,000	764,900	600,000	773,400	650,000	790,000	740,000	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1805,000	0.	0.	0.	5,000	5,000	5,000	0.	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1810,000	0.	0.	0.	5,000	5,000	5,000	0.	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1815,000	0.	0.	0.	5,000	5,000	5,000	0.	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1820,000	0.	0.	0.	5,000	5,000	5,000	0.	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1830,000	0.	0.	0.	10,000	10,000	10,000	0.	0.	0.
ET	0.	0.	4,100	480,000	530,000	0.	0.	0.	0.	0.
X1	1850,000	0.	0.	0.	20,000	20,000	20,000	0.	0.	0.
ET	0.	0.	5,400	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4,100	475,000	535,000	0.	0.	0.	0.	0.
X1	4400,000	17,000	500,000	535,000	2550,000	2550,000	2550,000	0.	0.	0.
GR	800,000	200,000	784,400	300,000	779,100	350,000	776,900	400,000	775,000	411,000
GR	764,300	432,000	763,500	450,000	761,400	500,000	755,400	512,000	756,000	519,000
GR	755,300	527,000	761,400	535,000	762,500	550,000	766,000	584,000	769,900	600,000

ET 0, 0, 4,100 483,000 533,000 0, 0, 0, 0, 0,

X1 9429,000 0, 0, 0, 128,000 128,000 128,000 0, 0,900 0,
X2 0, 0, 0, 0, 0, 1,000 0, 0, 0,
ET 0, 0, 4,100 483,000 533,000 0, 0, 0, 0, 0,

X1 9430,000 12,000 499,000 518,000 1,000 1,000 1,000 0, 0,900 0,
X3 10,000 0, 0, 0, 0, 0, 0, 812,100 812,100 0,
GR 824,700 350,000 818,900 400,000 809,200 450,000 798,100 499,000 792,700 500,000
GR 792,700 517,000 796,200 518,000 796,600 563,000 799,000 613,000 800,800 663,000
GR 811,600 713,000 820,900 763,000 0, 0, 0, 0, 0, 0,
ET 0, 0, 4,100 490,000 550,000 0, 0, 0, 0, 0,

X1 9480,000 16,000 500,000 540,000 50,000 50,000 50,000 0, 0, 0,
GR 925,500 350,000 818,300 400,000 816,300 418,000 809,100 450,000 801,300 480,000
GR 800,500 500,000 794,200 517,000 793,800 519,000 794,100 522,000 798,800 540,000
GR 799,600 550,000 802,300 600,000 809,100 650,000 811,700 700,000 812,900 750,000
GR 817,400 800,000 0, 0, 0, 0, 0, 0, 0, 0, 0,
ET 0, 0, 4,100 490,000 550,000 0, 0, 0, 0, 0,

X1 9580,000 0, 0, 0, 100,000 100,000 100,000 0, 0,640 0,
ET 0, 0, 4,100 490,000 550,000 0, 0, 0, 0, 0,

X1 9680,000 0, 0, 0, 100,000 100,000 100,000 0, 0,640 0,
ET 0, 0, 4,100 490,000 550,000 0, 0, 0, 0, 0,

X1 9780,000 0, 0, 0, 100,000 100,000 100,000 0, 0,640 0,
ET 0, 0, 4,100 490,000 550,000 0, 0, 0, 0, 0,

X1 9880,000 0, 0, 0, 100,000 100,000 100,000 0, 0,640 0,
ET 0, 0, 4,100 497,000 547,000 0, 0, 0, 0, 0,

X1 10925,000 20,000 500,000 544,000 1045,000 1045,000 1045,000 0, 0, 0,
GR 848,400 250,000 841,900 300,000 833,100 350,000 832,900 353,000 822,800 400,000
GR 818,400 412,000 817,500 440,000 817,000 465,000 812,600 475,000 809,700 500,000
GR 804,200 510,000 803,700 514,000 804,300 519,000 808,000 544,000 808,800 555,000
GR 815,300 600,000 821,700 650,000 823,500 700,000 827,400 750,000 832,300 800,000
ET 0, 0, 4,100 506,000 534,000 0, 0, 0, 0, 0,

X1 10975,000 23,000 506,000 533,900 50,000 50,000 50,000 0, 0, 0,
X3 10,000 0, 0, 0, 0, 0, 0, 812,000 812,000 0,
GR 848,400 250,000 841,900 300,000 833,100 350,000 832,900 353,000 822,800 400,000
GR 818,400 412,000 817,500 440,000 817,000 465,000 812,600 475,000 811,700 477,000
GR 807,600 500,000 804,200 506,000 803,200 515,000 804,900 528,000 806,800 533,900
GR 807,800 537,000 809,100 540,000 813,500 565,000 815,300 600,000 821,700 650,000
GR 823,500 700,000 827,400 750,000 832,300 800,000 0, 0, 0, 0,
ET 0, 0, 4,100 485,000 535,000 0, 0, 0, 0, 0,

X1 10976,000 37,000 506,000 533,900 1,000 1,000 1,000 0, 0, 0,
BT 37,000 300,000 840,600 840,600 350,000 830,300 830,300 370,000 826,300 826,300
BT 400,000 820,300 820,300 413,000 817,200 817,200 452,000 815,700 815,700 500,000
BT 815,300 807,600 503,000 815,300 804,300 506,000 815,300 804,200 507,000 815,300
BT 807,500 508,000 815,300 808,900 510,000 815,300 810,600 512,000 815,300 811,900
BT 514,000 815,300 812,600 516,000 815,300 813,000 518,000 815,300 813,100 520,000
BT 815,300 813,200 522,000 815,300 813,100 524,000 815,300 526,000 815,300 815,300
BT 812,600 528,000 815,300 811,900 530,000 815,300 810,600 532,000 815,300 808,900

AREA= 41.8 225.7 29.5
 VEL= 1.5 7.4 1.7

*SECNO 11466.000
 11466.00 7.45 816.29 0. 0. 817.09 0.80 0.79 0.00 813.44
 1780. 63. 1667. 50. 41. 225. 29. 109. 27. 812.24
 0.49 1.53 7.41 1.72 0.120 0.060 0.120 0.060 808.84 474.00
 0.007960 100. 100. 100. 1 0 0 0 73.43 547.43

FLOW DISTRIBUTION FOR SECNO= 11466.00 CWSEL= 816.29
 STA= 474. 500. 533. 547.
 PER Q= 3.5 93.6 2.8
 AREA= 41.2 225.0 29.2
 VEL= 1.5 7.4 1.7

*SECNO 12520.000
 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL CLOSS BANK ELEV
 0 GLOB QCH QROB ALOB ACH AROB VOB TWA LEFT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST
 12520.00 8.32 825.72 0. 0. 826.55 0.82 9.45 0.01 823.70
 1700. 113. 1529. 58. 78. 199. 42. 116. 30. 824.59
 0.53 1.44 7.67 1.38 0.120 0.060 0.120 0.060 817.40 424.07
 0.010241 1054. 1054. 1054. 4 0 0 0 147.85 571.92

FLOW DISTRIBUTION FOR SECNO= 12520.00 CWSEL= 825.72
 STA= 424. 450. 500. 534. 565. 572.
 PER Q= 0.4 6.3 89.9 3.2 0.2
 AREA= 9.4 68.8 199.4 38.0 4.2
 VEL= 0.6 1.6 7.7 1.4 0.9

T1 GUILFORD COUNTY FIA STUDY FLOODWAY
 T2 STREAM 95
 T3 MARCH 1977 DWL

J1 ICHECK INO NINV IDIR STRT METRIC HVINS 0 WSEL FO
 0. 3. 0. 0. 0. 0. 0. 0. 756.670 0.
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIN ITRACE
 15.000 0. -1.000 0. 0. 0. 0. 0. 0. 15.000

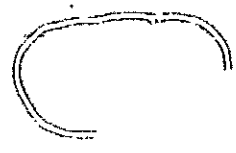
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

MARCH 1977 DWL
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	D
1800.000	755.67	756.14	0.	744.80	39.99	1950.00
1800.000	756.67	757.24	0.	744.80	37.13	1950.00
1805.000	755.69	756.17	0.	744.80	39.58	1950.00
1805.000	756.69	757.26	0.	744.80	36.89	1950.00
1810.000	755.72	756.19	0.	744.80	39.07	1950.00
1810.000	756.71	757.28	0.	744.80	36.61	1950.00
1815.000	755.75	756.21	0.	744.80	38.56	1950.00
1815.000	756.73	757.30	0.	744.80	36.33	1950.00
1820.000	755.77	756.23	0.	744.80	38.06	1950.00
1820.000	756.76	757.32	0.	744.80	36.06	1950.00
1830.000	755.82	756.27	0.	744.80	37.21	1950.00
1830.000	756.80	757.36	0.	744.80	35.57	1950.00
1850.000	755.92	756.34	0.	744.80	35.25	1950.00
1850.000	756.88	757.43	0.	744.80	34.56	1950.00
4400.000	765.22	765.65	0.	755.30	37.79	1950.00
4400.000	766.14	766.59	0.	755.30	37.19	1950.00
4500.000	765.60	766.69	0.	756.00	46.11	1950.00
4500.000	766.45	767.02	0.	756.00	40.91	1950.00
4600.000	766.05	766.61	0.	756.70	53.24	1950.00
4600.000	766.86	767.48	0.	756.70	46.34	1950.00
4700.000	766.58	767.20	0.	757.40	59.12	1950.00
4700.000	767.32	767.98	0.	757.40	51.11	1950.00
4800.000	767.17	767.82	0.	758.10	63.32	1950.00
4800.000	767.83	768.53	0.	758.10	55.53	1950.00
7325.000	785.43	786.15	0.	776.40	83.78	1950.00
7325.000	785.67	786.49	0.	776.40	93.74	1950.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
7374.000	785,74	786,47	0.	777,20	50,84	1950,00
7374.000	786,15	786,82	0.	777,20	43,40	1950,00
7375.000	784,51	787,31	810,00	777,20	602,46	1950,00
7375.000	784,91	787,66	810,00	777,20	695,65	1950,00
7424.000	788,67	789,02	810,00	777,20	135,86	1950,00
7424.000	789,00	789,94	810,00	777,20	250,27	1950,00
7425.000	788,73	789,03	0.	777,20	15,52	1950,00
7425.000	789,73	790,07	0.	777,20	14,17	1950,00
7475.000	788,82	789,14	0.	777,80	25,91	1950,00
7475.000	789,78	790,18	0.	777,80	24,85	1950,00
8440.000	792,58	793,42	0.	783,30	80,77	1950,00
8440.000	793,25	794,07	0.	783,30	67,71	1950,00
9250.000	798,90	799,32	0.	792,10	63,55	1780,00
9250.000	799,29	799,87	0.	792,10	74,77	1780,00
* 9300.000	799,07	802,38	0.	792,40	468,88	1780,00
* 9300.000	799,11	802,36	0.	792,40	462,05	1780,00
* 9301.000	799,94	803,60	823,70	792,70	297,34	1780,00
* 9301.000	799,94	803,60	823,70	792,70	297,34	1780,00
9429.000	805,66	808,58	824,60	793,60	494,94	1780,00
9429.000	805,66	808,58	824,60	793,60	494,94	1780,00
9430.000	808,40	809,05	0.	793,60	43,57	1780,00
9430.000	808,40	809,05	0.	793,60	43,57	1780,00
9480.000	809,15	809,20	0.	793,80	2,66	1780,00
9480.000	809,06	809,21	0.	793,80	6,18	1780,00
9580.000	809,18	809,23	0.	794,44	3,31	1780,00
9580.000	809,12	809,28	0.	794,44	7,26	1780,00
9680.000	809,21	809,27	0.	795,08	4,14	1780,00
9680.000	809,19	809,37	0.	795,08	8,57	1780,00
9780.000	809,25	809,32	0.	795,72	5,25	1780,00
9780.000	809,27	809,47	0.	795,72	10,16	1780,00
9880.000	809,30	809,39	0.	796,36	6,68	1780,00
9880.000	809,37	809,59	0.	796,36	12,11	1780,00
10925.000	810,65	811,63	0.	803,70	141,06	1780,00
10925.000	811,67	812,40	0.	803,70	78,75	1780,00
10975.000	811,09	812,47	0.	803,20	131,56	1780,00
10975.000	811,91	813,01	0.	803,20	108,81	1780,00
10976.000	810,87	812,64	840,60	803,10	245,86	1780,00
10976.000	811,69	813,18	840,60	803,10	185,37	1780,00



SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
11015.000	812.17	813.55	840.60	803.10	185.60	1780.00
11015.000	812.67	813.95	840.80	803.10	187.50	1780.00
11016.000	812.78	813.66	0.	803.20	65.77	1780.00
11016.000	813.28	814.07	0.	803.20	63.49	1780.00
11066.000	813.31	814.03	0.	805.60	68.37	1780.00
11066.000	813.69	814.40	0.	805.60	60.72	1780.00
11166.000	814.00	814.75	0.	806.41	73.56	1780.00
11166.000	814.30	815.05	0.	806.41	66.91	1780.00
11266.000	814.74	815.51	0.	807.22	76.31	1780.00
11266.000	814.98	815.76	0.	807.22	71.63	1780.00
11366.000	815.50	816.29	0.	808.03	78.63	1780.00
11366.000	815.69	816.50	0.	808.03	74.98	1780.00
11466.000	816.29	817.09	0.	808.84	79.60	1780.00
11466.000	816.45	817.27	0.	808.84	77.59	1780.00
12520.000	825.72	826.55	0.	817.40	102.41	1700.00
12520.000	825.90	826.88	0.	817.40	107.97	1700.00

MARCH 1977 DWL
SUMMARY PRINTOUT

SFCNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
1800.000	755,67	441,06	500,00	525,00	559,52	118,46
1800.000	756,67	480,00	500,00	525,00	530,00	50,00
1805.000	755,69	440,92	500,00	525,00	559,61	118,69
1805.000	756,69	480,00	500,00	525,00	530,00	50,00
1810.000	755,72	440,74	500,00	525,00	559,71	118,97
1810.000	756,71	480,00	500,00	525,00	530,00	50,00
1815.000	755,75	440,56	500,00	525,00	559,83	119,27
1815.000	756,73	480,00	500,00	525,00	530,00	50,00
1820.000	755,77	440,38	500,00	525,00	559,94	119,56
1820.000	756,76	480,00	500,00	525,00	530,00	50,00
1830.000	755,82	440,07	500,00	525,00	560,13	120,06
1830.000	756,80	480,00	500,00	525,00	530,00	50,00
1850.000	755,92	439,32	500,00	525,00	560,60	121,27
1850.000	756,88	480,00	500,00	525,00	530,00	50,00
4400.000	765,22	430,18	500,00	535,00	576,51	146,33
4400.000	766,14	475,00	500,00	535,00	535,00	60,00
4500.000	765,60	430,84	500,00	535,00	573,22	142,38
4500.000	766,45	490,00	500,00	535,00	540,00	50,00
4600.000	766,05	431,31	500,00	535,00	570,91	139,60
4600.000	766,86	490,00	500,00	535,00	540,00	50,00
4700.000	766,58	431,64	500,00	535,00	559,26	137,62
4700.000	767,32	490,00	500,00	535,00	540,00	50,00
4800.000	767,17	431,86	500,00	535,00	568,19	136,34
4800.000	767,83	490,00	500,00	535,00	540,00	50,00
7325.000	785,43	449,46	500,00	542,00	551,56	102,11
7325.000	785,67	500,00	500,00	542,00	530,00	50,00
7374.000	785,74	501,55	517,00	543,50	566,04	61,22
7374.000	786,15	503,00	517,00	543,50	553,00	50,00
7375.000	784,51	502,98	517,00	543,50	555,52	52,54
7375.000	784,91	503,00	517,00	543,50	553,00	50,00
7424.000	788,67	386,40	517,00	543,50	653,25	266,84
7424.000	789,00	503,00	517,00	543,50	550,00	47,00
7425.000	788,73	457,15	517,00	543,50	607,91	150,76
7425.000	789,73	503,00	517,00	543,50	550,00	47,00
7475.000	788,82	456,34	500,00	535,00	608,82	152,48
7475.000	789,78	495,00	500,00	535,00	545,00	50,00

SECNO	CNSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
8440.000	792,58	467,43	500,00	525,00	572,43	76,29
8440.000	793,25	480,00	500,00	525,00	530,00	50,00
9250.000	798,90	496,43	500,00	555,00	647,75	151,31
9250.000	799,29	500,00	500,00	555,00	555,00	55,00
* 9300.000	799,07	499,00	499,00	518,00	518,00	19,00
* 9300.000	799,11	499,00	499,00	518,00	518,00	19,00
* 9301.000	799,94	499,63	500,00	517,00	517,04	17,41
* 9301.000	799,94	499,63	500,00	517,00	517,04	17,41
9429.000	805,66	499,38	500,00	517,00	517,06	17,68
9429.000	805,66	499,38	500,00	517,00	517,06	17,68
9430.000	808,40	499,00	499,00	518,00	518,00	19,00
9430.000	808,40	499,00	499,00	518,00	518,00	19,00
9480.000	809,15	449,76	500,00	540,00	651,03	201,26
9480.000	809,06	490,00	500,00	540,00	550,00	60,00
9580.000	809,18	452,16	500,00	540,00	645,87	193,70
9580.000	809,12	490,00	500,00	540,00	550,00	60,00
9680.000	809,21	454,51	500,00	540,00	641,38	186,87
9680.000	809,19	490,00	500,00	540,00	550,00	60,00
9780.000	809,25	456,82	500,00	540,00	636,95	180,13
9780.000	809,27	490,00	500,00	540,00	550,00	60,00
9880.000	809,30	459,10	500,00	540,00	632,60	173,50
9880.000	809,37	490,00	500,00	540,00	550,00	60,00
10925.000	810,65	491,84	500,00	544,00	567,78	75,94
10925.000	811,67	497,00	500,00	544,00	547,00	50,00
10975.000	811,09	506,00	506,00	533,90	533,90	27,90
10975.000	811,91	506,00	506,00	533,90	533,90	27,90
10976.000	810,87	480,63	506,00	533,90	540,03	59,40
10976.000	811,69	485,00	506,00	533,90	535,00	50,00
11015.000	812,17	472,91	506,00	533,90	540,05	67,14
11015.000	812,67	473,00	506,00	533,90	540,00	67,00
11016.000	812,78	506,00	506,00	533,90	533,90	27,90
11016.000	813,28	506,00	506,00	533,90	533,90	27,90
11066.000	813,31	473,38	500,00	533,00	548,40	75,02
11066.000	813,69	485,00	500,00	533,00	535,00	50,00
11166.000	814,00	473,68	500,00	533,00	547,93	74,25
11166.000	814,30	485,00	500,00	533,00	535,00	50,00
11266.000	814,74	473,83	500,00	533,00	547,70	73,87
11266.000	814,98	485,00	500,00	533,00	535,00	50,00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
11366.000	815.50	473.95	500.00	533.00	547.51	73.56
11366.000	815.69	485.00	500.00	533.00	535.00	50.00
11466.000	816.29	474.00	500.00	533.00	547.43	73.43
11466.000	816.45	485.00	500.00	533.00	535.00	50.00
12520.000	825.72	424.07	500.00	534.00	571.92	147.85
12520.000	825.90	490.00	500.00	534.00	540.00	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 9300,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9300,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9300,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9300,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9300,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9300,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 9301,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9301,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

Stream No 95
 FLOODWAY DATA, MARCH 1977 DWL
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
1800.000	50.	400.	4.9	756.7	755.7	1.0
1805.000	50.	401.	4.9	756.7	755.7	1.0
1810.000	50.	402.	4.8	756.7	755.7	1.0
1815.000	50.	403.	4.8	756.7	755.7	1.0
1820.000	50.	404.	4.8	756.8	755.8	1.0
1830.000	50.	406.	4.8	756.8	755.8	1.0
1850.000	50.	410.	4.8	756.9	755.9	1.0
A 4400.000	60.	418.	4.7	766.1	765.2	0.9
4500.000	50.	361.	5.4	766.5	765.6	0.9
4600.000	50.	346.	5.6	766.9	766.1	0.8
4700.000	50.	334.	5.8	767.3	766.6	0.7
4800.000	50.	325.	6.0	767.9	767.2	0.7
7325.000	50.	279.	7.0	785.6	785.4	0.2
B 7374.000	50.	362.	5.4	786.1	785.7	0.4
7375.000	50.	146.	13.3	784.9	784.5	0.4
7424.000	47.	276.	7.0	789.0	788.7	0.3
7425.000	47.	519.	3.8	789.7	788.7	1.0
7475.000	50.	431.	4.5	789.8	788.8	1.0
C 8440.000	50.	326.	5.9	793.3	792.6	0.7
D 9250.000	55.	292.	6.1	799.3	798.9	0.4
9300.000	19.	123.	14.2	799.1	799.1	0.
9301.000	17.	117.	15.2	799.9	799.9	0.
9429.000	10.	132.	13.4	805.7	805.7	0.
9430.000	19.	277.	6.4	805.4	804.4	0.
9480.000	60.	684.	2.6	809.2	809.2	0.
9580.000	60.	649.	2.7	809.2	809.2	0.
9680.000	66.	614.	2.9	809.2	809.2	0.
9780.000	60.	561.	3.1	809.2	809.2	0.
9800.000	50.	748.	3.2	809.4	809.3	0.1
E 10925.000	50.	271.	6.6	811.6	810.6	1.0
10975.000	28.	212.	8.4	811.9	811.1	0.8
10976.000	50.	181.	9.8	811.7	810.9	0.8
11015.000	67.	195.	7.1	812.7	812.2	0.5
11016.000	28.	250.	7.1	813.3	812.8	0.5
11066.000	50.	297.	6.0	813.7	813.3	0.4
11166.000	50.	287.	6.2	814.3	814.0	0.3
11266.000	50.	280.	6.4	814.9	814.7	0.2
11366.000	50.	276.	6.5	815.7	815.5	0.2
11466.000	50.	272.	6.5	816.5	816.3	0.2
F 12520.000	50.	235.	7.2	825.9	825.7	0.2

2.3 2.15 2.50

2.15 2.50

1.1 1.15 1.20

1.1 1.15 1.20

SNUMR = 2388T, ACTIVITY # = 01, , REPORT CODE = 52, RECORD COUNT = 001313

11 GUILFORD CO FIA
 12 STREAM 34 100 NATURAL
 13 FEB 17 1977 HLJ

5.017
 1/27/77
 REVIEW
 TODAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FD
	0.	2.	0.	0.	0.	0.	0.	0.	728,780	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	15.000
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	3,000	41,000	42,000	5,000	43,000	0.	38,000	1,000
	53,000	21,000	22,000	54,000	4,000	0.	200,000	0.	0.	0.
CT	4,000	1300,000	1300,000	1300,000	1300,000	0.	0.	0.	0.	0.
ET	0.	0.	50,200	0.	0.	0.	0.	0.	0.	0.
X1	500,000	11,000	1000,000	1016,000	0.	0.	0.	0.	0.	0.
GR	750,000	855,000	740,000	905,000	730,000	955,000	726,000	985,000	725,500	1000,000
GR	721,500	1003,000	721,500	1015,000	725,500	1018,000	726,000	1025,000	730,000	1050,000
GR	736,000	1100,000	0.	0.	0.	0.	0.	0.	0.	0.
X1	2550,000	10,000	1000,000	1020,000	1050,000	1050,000	1050,000	0.	0.	0.
GR	756,000	700,000	750,000	870,000	740,000	910,000	736,000	1000,000	733,000	1005,000
GR	733,000	1015,000	738,000	1020,000	740,000	1070,000	750,000	1110,000	760,000	1140,000
NC	0.	0.	0.	0,350	0,700	0.	0.	0.	0.	0.
X1	1761,000	10,000	1000,000	1020,000	210,000	210,000	210,000	0.	0.	0.
GR	759,000	865,000	750,000	915,000	741,000	950,000	740,400	1000,000	735,000	1015,000
GR	735,100	1016,000	735,700	1025,000	739,300	1028,000	740,000	1050,000	760,000	1140,000
X1	1780,000	9,000	1000,000	1016,000	20,000	20,000	20,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	743,700	743,700	0.
GR	759,000	865,000	750,000	915,000	741,000	950,000	740,400	1000,000	735,400	1001,000
GR	735,400	1015,000	739,300	1016,000	740,000	1050,000	760,000	1140,000	0.	0.
SP	1,250	1,660	3,000	0.	15,000	1,000	116,000	0.	738,500	735,400
ET	0.	0.	4,100	920,000	1015,000	0.	0.	0.	0.	0.
X1	2060,000	10,000	1000,000	1015,000	280,000	280,000	280,000	0.	0.	0.
X2	0.	0.	1,000	746,800	760,200	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	0.	0.	0.
BT	13,000	450,000	780,000	0.	570,000	770,000	0.	702,000	764,700	0.
BT	777,000	761,600	0.	825,000	760,800	0.	869,000	760,200	0.	924,000
BT	760,400	0.	1000,000	762,300	0.	1001,000	762,000	746,800	1014,000	762,500
BT	746,800	1015,000	762,500	0.	1067,000	763,800	0.	1160,000	770,000	0.
GR	780,000	450,000	770,000	570,000	760,000	600,000	752,000	702,000	748,000	745,000
GR	747,000	777,000	746,000	800,000	745,500	825,000	744,500	869,000	744,000	900,000
GR	742,000	924,000	742,300	1000,000	738,500	1001,000	738,500	1014,000	741,900	1015,000
GR	742,000	1035,000	750,000	1067,000	760,000	1100,000	770,000	1160,000	0.	0.
ET	0.	0.	4,100	940,000	1020,000	0.	0.	0.	0.	0.

X1	2070.000	15.000	1000.000	1019.000	10.000	10.000	10.000	0.	0.	0.
GR	770.000	570.000	760.000	620.000	750.000	730.000	748.000	745.000	746.000	790.000
GR	744.000	890.000	742.000	925.000	741.800	1000.000	738.200	1005.000	737.900	1014.000
GR	740.400	1015.000	741.900	1019.000	742.000	1035.000	750.000	1065.000	770.000	1160.000
NC	0.	0.	0.	0.200	0.400	0.	0.	0.	0.	0.
ET	0.	0.	60.200	0.	0.	0.	0.	0.	0.	0.
X1	2150.000	0.	0.	0.	80.000	80.000	80.000	0.	1.000	0.
ET	0.	0.	4.100	960.000	1040.000	0.	0.	0.	0.	0.
X1	2350.000	10.000	1000.000	1023.000	200.000	200.000	200.000	0.	0.	0.
GR	760.000	750.000	748.000	880.000	746.000	915.000	745.500	1000.000	742.000	1006.000
GR	742.000	1018.000	746.000	1023.000	746.000	1040.000	750.000	1055.000	760.000	1070.000
ET	0.	0.	2.400	0.	0.	0.	0.	0.	0.	0.
X1	2600.000	10.000	1000.000	1024.000	250.000	250.000	250.000	0.	0.	0.
GR	770.000	660.000	760.000	800.000	758.000	900.000	750.000	965.000	748.500	1000.000
GR	744.500	1006.000	744.500	1018.000	748.500	1024.000	750.000	1050.000	770.000	1140.000
UT	4.000	1100.000	1100.000	1100.000	1100.000	0.	0.	0.	0.	0.
ET	0.	0.	50.200	0.	0.	0.	0.	0.	0.	0.
X1	3050.000	12.000	1000.000	1024.000	450.000	450.000	450.000	0.	-2.000	0.
GR	770.000	855.000	760.000	895.000	758.000	915.000	756.000	940.000	755.500	1000.000
GR	751.000	1006.000	751.000	1018.000	755.500	1024.000	756.000	1030.000	758.000	1040.000
GR	760.000	1050.000	770.000	1135.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	985.000	1105.000	0.	0.	0.	0.	0.
X1	4320.000	14.000	1034.000	1061.000	1270.000	1270.000	1270.000	0.	0.	0.
GR	804.700	500.000	799.300	600.000	793.700	700.000	787.000	800.000	777.700	900.000
GR	768.100	1000.000	765.700	1034.000	761.200	1040.000	762.000	1054.000	766.100	1061.000
GR	765.500	1100.000	765.700	1152.000	776.300	1200.000	779.200	1220.000	0.	0.
ET	0.	0.	4.100	980.000	1000.000	0.	0.	0.	0.	0.
X1	5080.000	12.000	1000.000	1026.000	760.000	760.000	760.000	0.	0.	0.
GR	786.000	900.000	784.000	910.000	782.000	935.000	780.000	950.000	776.000	965.000
GR	775.000	1000.000	769.700	1006.000	769.700	1021.000	775.000	1028.000	776.000	1160.000
GR	780.000	1210.000	786.000	1250.000	0.	0.	0.	0.	0.	0.
NC	0.100	0.100	0.060	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	985.000	1085.000	0.	0.	0.	0.	0.
X1	5230.000	8.000	1000.000	1031.000	150.000	150.000	150.000	0.	0.	0.
GR	783.000	900.000	780.000	940.000	777.000	1000.000	771.500	1008.000	771.500	1023.000
GR	777.000	1031.000	778.000	1155.000	785.000	1200.000	0.	0.	0.	0.
NC	0.080	0.080	0.060	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	50.200	0.	0.	0.	0.	0.	0.	0.
X1	5380.000	13.000	1000.000	1034.000	150.000	150.000	150.000	0.	0.	0.
GR	790.000	830.000	786.000	860.000	784.400	924.000	781.100	1000.000	776.600	1008.000
GR	773.200	1012.000	773.200	1017.000	773.700	1022.000	775.500	1028.000	780.000	1034.000
GR	782.100	1056.000	783.700	1140.000	790.000	1190.000	0.	0.	0.	0.
X1	5420.000	0.	0.	0.	40.000	40.000	40.000	0.	0.400	0.
X1	5450.000	0.	0.	0.	30.000	30.000	30.000	0.	0.200	0.

	0.	0.	4,100	920,000	1020,000	0.	0.	0.	0.	0.
X1	5463,000	12,000	1000,000	1015,000	13,000	13,000	13,000	0.	0.	0.
GR	794,000	720,000	785,500	800,000	781,800	900,000	781,300	1000,000	774,100	1001,000
GR	774,400	1008,000	777,800	1014,000	781,300	1015,000	785,200	1100,000	787,700	1158,000
GR	790,000	1190,000	800,000	1300,000	0.	0.	0.	0.	0.	0.
SR	1,250	1,500	2,900	0.	13,000	1,000	71,000	0,280	774,600	774,400
ET	0.	0.	4,100	920,000	1020,000	0.	0.	0.	0.	0.
X1	5496,000	14,000	1000,000	1015,000	33,000	33,000	33,000	0.	0.	0.
X2	0.	0.	1,000	779,900	782,400	0.	0.	0.	0.	0.
BT	10,000	720,000	794,000	0.	800,000	787,000	0.	900,000	783,400	0.
BT	1000,000	782,400	0.	1001,000	782,400	779,900	1014,000	782,800	779,900	1015,000
BT	782,800	0.	1100,000	785,200	0.	1150,000	787,700	0.	1300,000	800,000
BT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	797,000	720,000	790,500	800,000	786,700	830,000	781,200	875,000	781,000	900,000
GR	779,900	950,000	777,900	1000,000	774,100	1001,000	774,400	1008,000	777,800	1014,000
GR	779,500	1015,000	784,000	1100,000	787,700	1150,000	800,000	1300,000	0.	0.
ET	0.	0.	60,200	0.	0.	0.	0.	0.	0.	0.
X1	5506,000	11,000	1000,000	1024,000	10,000	10,000	10,000	0.	0.	0.
GR	797,000	720,000	790,000	810,000	786,700	830,000	781,200	875,000	779,900	950,000
GR	777,900	1000,000	775,000	1009,000	774,600	1015,000	779,500	1024,000	785,200	1126,000
GR	800,000	1300,000	0.	0.	0.	0.	0.	0.	0.	0.
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
X1	5525,000	0.	0.	0.	19,000	19,000	19,000	0.	0,200	0.
X1	5575,000	0.	0.	0.	50,000	50,000	50,000	0.	0,500	0.
ET	0.	0.	50,200	0.	0.	0.	0.	0.	0.	0.
X1	5750,000	8,000	1000,000	1024,000	175,000	175,000	175,000	0.	-1,500	0.
GR	793,000	850,000	785,000	900,000	782,500	1000,000	780,000	1006,000	780,000	1014,000
GR	784,000	1024,000	789,000	1115,000	792,000	1200,000	0.	0.	0.	0.
ET	0.	0.	50,200	0.	0.	0.	0.	0.	0.	0.
X1	5850,000	0.	0.	0.	100,000	100,000	100,000	0.	1,500	0.
X1	6200,000	8,000	1000,000	1024,000	350,000	350,000	350,000	0.	0.	0.
GR	810,000	800,000	790,000	930,000	788,000	1000,000	785,000	1007,000	785,000	1014,000
GR	789,000	1024,000	793,000	1100,000	803,000	1200,000	0.	0.	0.	0.
X1	6840,000	12,000	984,000	1008,000	640,000	640,000	640,000	0.	0.	0.
GR	819,700	800,000	815,600	900,000	813,600	923,000	798,600	969,000	797,500	984,000
GR	794,200	991,000	794,300	1000,000	798,200	1008,000	799,300	1050,000	804,000	1100,000
GR	808,600	1150,000	815,000	1200,000	0.	0.	0.	0.	0.	0.
GT	4,000	850,000	350,000	850,000	850,000	0.	0.	0.	0.	0.
NC	0.080	0.080	0,060	0.	0.	0.	0.	0.	0.	0.
X1	8525,000	13,000	1000,000	1017,000	1685,000	1685,000	1685,000	0.	0.	0.
GR	833,000	740,000	822,000	820,000	821,500	944,000	815,700	958,000	813,900	1000,000
GR	812,600	1006,000	812,300	1009,000	812,600	1012,000	814,000	1017,000	817,400	1034,000
GR	816,900	1048,000	821,800	1071,000	833,000	1130,000	0.	0.	0.	0.
X1	8545,000	13,000	997,060	1002,940	20,000	20,000	20,000	0.	0.	0.

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 1977 HLJ
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
500.000	726.78	729.68	0.	721.50	124.99	1300.00
500.000	729.80	730.46	0.	721.50	75.11	1300.00
1550.000	740.60	741.21	0.	733.00	96.29	1300.00
1550.000	740.45	741.61	0.	733.00	154.66	1300.00
1761.000	742.47	742.96	0.	735.00	69.24	1300.00
1761.000	743.19	743.77	0.	735.00	62.11	1300.00
1780.000	742.16	744.60	0.	735.40	380.67	1300.00
1780.000	743.02	744.92	0.	735.40	263.32	1300.00
* 2060.000	746.75	746.82	746.80	738.50	16.27	1300.00
* 2060.000	746.75	746.91	746.80	738.50	39.18	1300.00
2070.000	746.77	746.83	0.	737.90	13.00	1300.00
2070.000	746.76	747.01	0.	737.90	34.39	1300.00
2150.000	746.88	747.00	0.	738.90	26.42	1300.00
2150.000	746.98	747.52	0.	738.90	76.46	1300.00
2350.000	747.08	748.26	0.	742.00	147.12	1300.00
2350.000	746.62	749.19	0.	742.00	90.29	1300.00
2600.000	750.94	751.84	0.	744.50	132.70	1300.00
2600.000	751.10	752.12	0.	744.50	136.92	1300.00
3050.000	755.83	756.28	0.	749.00	70.24	1100.00
3050.000	756.23	756.87	0.	749.00	78.23	1100.00
4320.000	767.15	767.74	0.	761.20	118.75	1100.00
4320.000	767.01	768.23	0.	761.20	163.12	1100.00
5080.000	775.99	776.75	0.	769.70	116.50	1100.00
5080.000	775.97	776.76	0.	769.70	120.71	1100.00
5230.000	777.74	778.50	0.	771.50	117.06	1100.00
5230.000	777.78	778.53	0.	771.50	113.82	1100.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
5380.000	779.73	780.76	0.	773.20	179.88	1100.00
5380.000	779.73	780.76	0.	773.20	180.00	1100.00
5420.000	780.58	781.42	0.	773.60	134.57	1100.00
5420.000	780.58	781.42	0.	773.60	134.52	1100.00
5450.000	781.06	781.81	0.	773.80	113.68	1100.00
5450.000	781.06	781.81	0.	773.80	113.68	1100.00
* 5463.000	782.55	783.31	0.	774.10	150.92	1100.00
* 5463.000	782.43	783.44	0.	774.10	190.31	1100.00
5496.000	784.04	784.08	779.90	774.10	6.50	1100.00
5496.000	783.98	784.06	779.90	774.10	13.09	1.00.00
5506.000	784.05	784.08	0.	774.60	4.92	1100.00
5506.000	783.93	784.12	0.	774.60	19.54	1100.00
5525.000	784.05	784.11	0.	774.80	9.18	1100.00
5525.000	783.92	784.20	0.	774.80	27.03	1100.00
5575.000	784.09	784.17	0.	775.30	12.92	1100.00
5575.000	784.05	784.36	0.	775.30	32.87	1100.00
5750.000	784.38	784.74	0.	778.50	78.41	1100.00
5750.000	784.75	785.52	0.	778.50	114.49	1100.00
5850.000	785.27	785.95	0.	780.00	159.06	1100.00
5850.000	785.95	786.84	0.	780.00	142.73	1100.00
6200.000	790.64	791.36	0.	785.00	149.56	1100.00
6200.000	791.06	792.00	0.	785.00	151.05	1100.00
6840.000	800.09	800.95	0.	794.20	148.34	1100.00
6840.000	800.36	801.28	0.	794.20	138.97	1100.00
8525.000	817.58	817.87	0.	812.30	65.62	850.00
8525.000	818.06	818.49	0.	812.30	71.97	850.00
* 8545.000	819.14	819.62	0.	813.16	203.53	850.00
* 8545.000	819.27	819.86	0.	813.16	234.62	850.00
8777.000	825.37	825.44	822.40	816.58	28.30	850.00
* 8777.000	824.30	825.52	822.40	816.58	375.62	850.00
8785.000	825.40	825.46	0.	816.58	27.90	850.00
8785.000	825.46	826.02	0.	816.58	144.97	850.00
8800.000	825.45	825.49	0.	816.70	6.55	850.00
8800.000	825.94	826.17	0.	816.70	25.87	850.00

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SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
500,000	728,78	964,15	1000,00	1018,00	1042,38	78,22
500,000	729,80	984,00	1000,00	1018,00	1034,00	50,00
1550,000	740,60	907,64	1000,00	1020,00	1072,36	164,72
1550,000	740,45	985,00	1000,00	1020,00	1035,00	50,00
1761,000	742,47	944,28	1000,00	1028,60	1061,12	116,85
1761,000	743,19	989,00	1000,00	1028,00	1039,00	50,00
1780,000	742,16	1000,00	1000,00	1016,00	1016,00	16,00
1780,000	743,02	1000,00	1000,00	1016,00	1016,00	16,00
* 2060,000	746,75	782,70	1000,00	1015,00	1054,01	271,31
* 2050,000	746,75	920,00	1000,00	1015,00	1015,00	95,00
2070,000	746,77	772,67	1000,00	1019,00	1052,89	280,22
2070,000	746,76	940,00	1000,00	1019,00	1020,00	80,00
2150,000	746,88	795,65	1000,00	1019,00	1049,58	253,93
2150,000	746,98	979,50	1000,00	1019,00	1039,50	50,00
2350,000	747,60	887,08	1000,00	1023,00	1045,98	158,90
2350,000	748,62	960,00	1000,00	1023,00	1040,00	80,00
2600,000	750,94	957,27	1000,00	1024,00	1054,28	97,01
2600,000	751,10	981,53	1000,00	1024,00	1034,45	52,92
3050,000	755,83	917,11	1000,00	1024,00	1039,15	122,04
3050,000	756,23	987,00	1000,00	1024,00	1037,00	50,00
4320,000	767,35	1013,34	1034,00	1061,00	1158,60	145,26
4320,000	767,61	1007,01	1034,00	1061,00	1105,00	97,99
5080,000	775,90	965,52	1000,00	1028,00	1177,74	212,22
5080,000	775,97	980,00	1000,00	1028,00	1080,00	100,00
5230,000	777,74	985,14	1000,00	1031,00	1123,11	137,97
5230,000	777,78	985,00	1000,00	1031,00	1085,00	100,00
5380,000	779,73	1002,44	1000,00	1034,00	1033,64	31,20
5380,000	779,73	1002,44	1000,00	1034,00	1033,64	31,20
5420,000	780,56	1001,63	1000,00	1034,00	1035,94	34,31
5420,000	780,58	1001,63	1000,00	1034,00	1035,94	34,32
5450,000	781,06	1001,16	1000,00	1034,00	1038,71	37,55
5450,000	781,06	1001,16	1000,00	1034,00	1038,71	37,55
* 5463,000	782,55	879,60	1000,00	1015,00	1042,35	162,74
* 5463,000	782,43	920,00	1000,00	1015,00	1020,00	100,00
5496,000	784,04	851,74	1000,00	1015,00	1100,55	248,84
5496,000	783,98	920,00	1000,00	1015,00	1020,00	100,00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
5506.000	784.05	851.68	1000.00	1024.00	1105.42	253.74
5506.000	783.93	982.00	1000.00	1024.00	1042.00	60.00
5525.000	784.05	853.29	1000.00	1024.00	1101.90	248.61
5525.000	783.92	982.00	1000.00	1024.00	1042.00	60.00
5575.000	784.09	857.16	1000.00	1024.00	1093.45	236.29
5575.000	784.05	982.00	1000.00	1024.00	1042.00	60.00
5750.000	784.38	894.51	1000.00	1024.00	1058.19	163.68
5750.000	784.75	987.00	1000.00	1024.00	1037.00	50.00
5850.000	785.27	898.30	1000.00	1024.00	1047.14	148.84
5850.000	785.95	987.00	1000.00	1024.00	1037.00	50.00
6200.000	790.64	925.78	1000.00	1024.00	1055.34	129.56
6200.000	791.06	987.00	1000.00	1024.00	1037.00	50.00
6840.000	800.09	964.43	984.00	1008.00	1058.41	93.98
6840.000	800.36	971.00	994.00	1008.00	1021.00	50.00
8525.000	817.58	953.48	1000.00	1017.00	1035.62	82.14
8525.000	818.06	983.50	1000.00	1017.00	1033.50	50.00
* 8545.000	819.14	983.63	997.06	1002.94	1037.28	53.65
* 8545.000	819.27	983.43	997.06	1002.94	1025.00	41.57
8777.000	825.37	766.14	997.06	1002.94	1015.56	199.65
* 8777.000	824.30	975.00	997.06	1002.94	1012.66	37.66
8785.000	825.40	765.77	997.06	1002.94	1015.63	200.09
8785.000	825.46	975.00	997.06	1002.94	1015.81	40.81
8800.000	825.45	765.17	1000.00	1034.00	1033.20	268.03
8800.000	825.94	992.00	1000.00	1034.00	1038.62	46.62

SUMMARY OF ERRORS

CAUTION SECNO= 2060.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 2060.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 5463.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5463.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5463.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5463.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5463.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5463.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8545.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8545.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8545.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8545.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8545.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8545.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8777.000 PROFILE= 2 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO= 8777.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL.

FLOODWAY DATA, 7 1977 HLJ
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A 500.000	50.	258.	5.0	729.8	728.8	1.0
1550.000	50.	191.	6.8	740.6	740.6	0.
B 1761.000	50.	254.	5.1	743.2	742.5	0.7
1780.000	16.	117.	11.1	743.1	742.2	0.9
2060.000	95.	488.	2.7	746.3	746.8	0.
2070.000	80.	440.	3.0	746.8	746.8	0.
2150.000	60.	292.	4.4	747.0	746.9	0.1
2350.000	80.	296.	4.4	748.6	747.6	1.0
2600.000	53.	199.	6.5	751.1	750.9	0.2
3050.000	50.	207.	5.3	756.2	755.8	0.4
C 4320.000	76.	240.	4.6	767.7	767.2	0.5
5080.000	100.	196.	5.6	776.0	776.0	0.
D 5230.000	100.	186.	5.9	777.7	777.7	0.
5380.000	31.	135.	8.2	779.7	779.7	0.
5420.000	34.	149.	7.4	780.6	780.6	0.
5450.000	38.	159.	6.9	781.1	781.1	0.
5463.000	100.	182.	6.0	782.6	782.6	0.
5496.000	100.	516.	2.1	784.0	784.0	0.
5506.000	60.	357.	3.1	784.1	784.1	0.
5525.000	60.	344.	3.2	784.0	784.0	0.
5575.000	60.	321.	3.4	784.1	784.1	0.
5750.000	50.	194.	5.7	784.8	784.4	0.4
5850.000	50.	179.	6.1	786.0	785.3	0.7
6200.000	50.	174.	6.3	791.0	790.6	0.4
E 6840.000	50.	176.	6.2	800.4	800.1	0.3
8525.000	50.	187.	4.5	818.1	817.6	0.5
8545.000	42.	142.	6.0	819.2	819.1	0.1
8777.000	38.	109.	7.8	824.4	825.4	-1.0
8785.000	41.	155.	5.5	825.5	825.4	0.1
8800.000	47.	236.	3.0	825.9	825.4	0.5

SNUM# = 2046T, ACTIVITY # = 01, , REPORT CODE = 52, RECORD COUNT = 001109

T1 GUILFORD CO. FIA STUDY -100 YR FREQUENCY FLOOD*
 T2 STREAM NO 26 TRIBUTARY 2-DEEP RIVER
 T3 PROGRAM 722-022 LWR FEB 1977

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.	0.	0.	0.	721.940	0.
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.	38.000	1.000
	53.000	21.000	22.000	54.000	4.000	0.	200.000	0.	0.	0.
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
QT	7.000	1540.000	1540.000	1540.000	1540.000	1000.000	1475.000	2850.000	0.	0.
ET	0.	0.	10.400	0.	0.	0.	0.	0.	0.	0.
X1	100.000	22.000	580.000	602.000	0.	0.	0.	0.	0.	0.
GR	750.000	0.	750.000	65.000	740.000	120.000	736.000	160.000	750.000	230.000
GR	726.000	290.000	724.000	520.000	722.000	440.000	720.000	520.000	718.000	580.000
GR	714.700	583.000	715.400	596.000	718.000	602.000	720.000	645.000	726.000	690.000
GR	730.000	715.000	736.000	750.000	710.000	780.000	750.000	840.000	756.000	910.000
GR	758.000	930.000	750.000	970.000	0.	0.	0.	0.	0.	0.
X1	125.000	0.	0.	0.	25.000	25.000	25.000	0.	0.300	0.
X1	150.000	0.	0.	0.	25.000	25.000	25.000	0.	0.200	0.
ET	0.	0.	9.400	0.	0.	0.	0.	0.	0.	0.
X1	175.000	0.	0.	0.	25.000	25.000	25.000	0.	0.200	0.
X1	250.000	0.	0.	0.	75.000	75.000	75.000	0.	0.500	0.
ET	0.	0.	6.400	0.	0.	0.	0.	0.	0.	0.
X1	400.000	0.	0.	0.	150.000	150.000	150.000	0.	1.200	0.
ET	0.	0.	4.100	971.000	1051.000	0.	0.	0.	0.	0.
X1	500.000	18.000	1000.000	1022.000	100.000	100.000	100.000	0.	-1.100	0.
GR	756.000	650.000	750.000	715.000	740.000	750.000	745.500	770.000	741.000	800.000
GR	731.900	900.000	728.000	910.000	726.000	970.000	720.700	1000.000	718.300	1003.000
GR	719.000	1016.000	723.300	1022.000	729.800	1050.000	736.300	1100.000	740.000	1140.000
GR	745.000	1200.000	750.000	1250.000	750.000	1400.000	0.	0.	0.	0.
ET	0.	0.	4.100	970.000	1050.000	0.	0.	0.	0.	0.
X1	630.000	0.	0.	0.	150.000	150.000	150.000	0.	1.100	0.
ET	0.	0.	4.100	155.000	215.000	0.	0.	0.	0.	0.

X1	1590.000	16.000	160.000	190.000	950.000	950.000	960.000	0.	0.	0.
GR	760.000	0.	756.000	20.000	750.000	60.000	746.000	75.000	740.000	95.000
GR	736.000	130.000	732.000	160.000	728.500	165.000	728.500	180.000	730.000	190.000
GR	734.000	220.000	738.000	250.000	740.000	270.000	750.000	300.000	754.000	335.000
GR	760.000	360.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	155.000	215.000	0.	0.	0.	0.	0.

X1	1900.000	0.	0.	0.	310.000	310.000	310.000	0.	3.500	0.
ET	0.	0.	4.100	155.000	215.000	0.	0.	0.	0.	0.

X1	2200.000	0.	0.	0.	300.000	300.000	300.000	0.	3.500	0.
ET	0.	0.	7.400	0.	0.	0.	0.	0.	0.	0.
QT	7.000	1380.000	1380.000	1380.000	1330.000	860.000	1275.000	2540.000	0.	0.
ET	0.	0.	4.100	95.000	155.000	0.	0.	0.	0.	0.

X1	2900.000	11.000	100.000	126.000	700.000	700.000	700.000	0.	0.	0.
GR	760.000	0.	754.000	35.000	750.000	70.000	746.000	100.000	743.500	105.000
GR	743.500	120.000	746.000	126.000	748.000	160.000	750.000	210.000	754.000	230.000
GR	760.000	250.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	400.000	470.000	0.	0.	0.	0.	0.

X1	3600.000	14.000	440.000	463.000	700.000	700.000	700.000	0.	0.	0.
GR	770.000	150.000	768.000	200.000	768.500	215.000	760.000	260.000	754.000	305.000
GR	753.500	400.000	752.400	440.000	749.100	445.000	749.300	460.000	751.800	463.000
GR	753.700	500.000	760.000	580.000	765.700	600.000	769.100	650.000	0.	0.
ET	0.	0.	4.100	255.000	325.000	0.	0.	0.	0.	0.

X1	4500.000	16.000	295.000	318.000	900.000	900.000	900.000	0.	0.	0.
GR	760.000	0.	770.000	50.000	754.000	80.000	762.000	100.000	760.000	215.000
GR	760.000	295.000	756.400	300.000	756.400	315.000	760.000	318.000	762.000	330.000
GR	764.000	390.000	768.000	430.000	770.000	470.000	774.000	580.000	778.000	630.000
GR	780.000	670.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	8.400	0.	0.	0.	0.	0.	0.	0.
QT	7.000	1230.000	1236.000	1230.000	1230.000	730.000	1680.000	2240.000	0.	0.
ET	0.	0.	4.100	980.000	1010.000	0.	0.	0.	0.	0.

X1	5540.000	16.000	1000.000	1016.000	1010.000	1010.000	1040.010	0.	0.	0.
GR	798.000	600.000	796.000	640.000	792.000	660.000	790.700	700.000	782.700	800.000
GR	779.600	875.000	772.100	900.000	767.000	1000.000	763.200	1005.000	763.700	1015.000
GR	786.700	1018.000	776.000	1200.000	779.400	1230.000	782.100	1300.000	784.300	1350.000
GR	790.000	1430.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	4.100	980.000	1010.000	0.	0.	0.	0.	0.

X1	5500.000	16.000	1000.000	1033.000	50.000	50.000	50.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	770.000	770.000	0.
GR	790.000	690.000	786.000	690.000	782.000	780.000	774.000	890.000	772.000	940.000
GR	770.000	970.000	766.900	1000.000	756.200	1012.000	763.800	1017.000	764.000	1032.000
GR	770.000	1033.000	774.000	1100.000	776.000	1160.000	780.000	1280.000	782.000	1360.000
GR	790.000	1470.000	0.	0.	0.	0.	0.	0.	0.	0.
SR	0.	1.300	2.500	0.	13.000	0.	150.000	0.	763.800	763.800
ET	0.	0.	4.100	975.000	1035.000	0.	0.	0.	0.	0.

X1	5611.000	15.000	1000.000	1032.000	21.000	21.000	21.000	0.	0.	0.
X2	0.	0.	1.000	770.800	773.100	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	773.100	773.100
BT	15.000	560.000	797.500	797.500	790.000	790.100	790.100	800.000	781.500	781.500
BT	900.000	775.600	772.100	999.000	773.100	770.800	1000.000	773.100	770.800	1032.000

BT	775.100	770.000	1030.000	775.100	777.000	1100.000	772.200	771.700	1200.000	777.100
BT	776.800	1300.000	781.500	781.500	1360.000	782.000	782.000	1450.000	790.000	790.000
GR	797.500	500.000	790.100	700.000	731.500	800.000	772.100	900.000	770.800	999.000
GR	768.900	1000.000	768.200	1012.000	723.800	1017.000	764.000	1032.000	770.800	1033.000
GR	771.900	1100.000	776.800	1200.000	771.500	1300.000	782.000	1360.000	790.000	1450.000
BT	0.	0.	4.100	975.000	1075.000	0.	0.	0.	0.	0.

X1	5020.000	15.000	1000.000	1027.000	19.000	49.000	49.000	0.	0.	0.
GR	798.000	600.000	790.000	890.000	720.000	300.000	770.000	940.000	767.900	1000.000
GR	764.200	1006.000	764.500	1012.000	727.700	1027.000	770.000	1050.000	776.000	1100.000
GR	775.000	1260.000	780.000	1390.000	724.000	1450.000	776.000	1500.000	790.000	1550.000
BT	0.	0.	4.100	985.000	1035.000	0.	0.	0.	0.	0.

X1	5760.000	0.	0.	0.	120.000	100.000	100.000	0.	1.000	0.
BT	7.000	1125.000	1125.000	1125.000	1125.000	465.000	820.000	1900.000	0.	0.
BT	0.	0.	4.100	135.000	125.000	0.	0.	0.	0.	0.

X1	5900.000	16.000	150.000	150.000	110.000	140.000	140.000	0.	0.	0.
GR	783.000	0.	779.400	50.000	775.000	95.000	774.300	100.000	771.200	135.000
GR	770.000	120.000	766.800	155.000	726.800	165.000	770.000	160.000	770.900	120.000
GR	773.000	200.000	774.000	220.000	776.000	248.000	778.000	300.000	779.200	350.000
GR	780.500	430.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.	0.	4.100	130.000	110.000	0.	0.	0.	0.	0.

X1	6000.000	16.000	120.000	150.000	120.000	100.000	100.000	0.	-1.300	0.
GR	790.000	0.	780.000	50.000	770.000	100.000	776.000	120.000	772.000	150.000
GR	769.000	125.000	769.000	162.000	772.000	160.000	772.000	170.000	774.000	120.000
GR	770.000	200.000	778.000	220.000	770.000	230.000	782.000	280.000	784.000	350.000
GR	780.000	430.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.	0.	4.100	130.000	130.000	0.	0.	0.	0.	0.

X1	6150.000	0.	0.	0.	120.000	150.000	150.000	0.	1.300	0.
BT	0.	0.	4.100	150.000	210.000	0.	0.	0.	0.	0.

X1	6500.000	12.000	120.000	210.000	330.000	350.000	350.000	0.	0.	0.
GR	790.000	0.	786.000	30.000	784.000	70.000	780.000	100.000	776.000	120.000
GR	770.000	120.000	778.000	190.000	775.000	185.000	776.000	210.000	776.000	230.000
GR	780.000	200.000	784.000	310.000	778.000	350.000	790.000	430.000	0.	0.
BT	0.	0.	4.100	135.000	235.000	0.	0.	0.	0.	0.

X1	6750.000	0.	0.	0.	10.000	50.000	50.000	0.	1.000	0.
BT	0.	0.	4.100	135.000	235.000	0.	0.	0.	0.	0.

X1	6000.000	0.	0.	0.	10.000	50.000	50.000	0.	3.000	0.
BT	0.	0.	4.100	130.000	210.000	0.	0.	0.	0.	0.

X1	6660.000	13.000	325.000	908.000	60.000	60.000	60.000	0.	0.	0.
GR	803.100	400.000	794.200	500.000	725.300	600.000	725.300	700.000	725.300	600.000
GR	791.000	885.000	785.200	694.000	725.100	697.000	792.500	900.000	794.400	985.000
GR	796.500	992.000	796.200	1000.000	810.000	1150.000	0.	0.	0.	0.
BT	0.	0.	4.100	302.000	910.000	0.	0.	0.	0.	0.

X1	6070.000	17.000	802.000	900.000	10.000	10.000	10.000	0.	0.	0.
GR	808.000	300.000	801.600	400.000	729.500	445.000	724.500	500.000	723.500	600.000
GR	793.000	700.000	793.700	600.000	713.900	862.000	788.000	873.000	788.000	808.000
GR	796.000	700.000	796.500	904.000	600.000	960.000	798.500	977.000	799.900	990.000

*SECNO 6670.000

5301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CHSEL	CRHS	WSEL	EG	HV	HL	LOSS	RANK	ELEV
Q	QLOF	QCH	QROR	ALOB	ACH	AROR	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROR	XNL	XVCH	YNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIL	IDC	ICONT	CORAR	TOPMID	ENDST	

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

6670.00	4.55	793.15	793.15	0.	794.92	1.77	0.57	0.60	793.90	
1125.	0.	1125.	0.	0.	105.	0.	54.	22.	796.60	
0.34	0.	10.69	0.	0.120	0.068	0.120	0.060	788.60	863.56	
0.040750	10.	10.	10.	20	20	0	0.	31.27	894.83	

FLOW DISTRIBUTION FOR SECNO= 6670.00 CWSEL= 793.15

STA= 864, 900,

PER Q= 100.0

AREA= 105.3

VEL= 10.7

T1 GUILFORD CO. FIA STUDY *FLOODWAY COMPUTATIONS*

T2 STREAM NO 26 TRIBUTARY 2-DEEP CREEK

T3 PROGRAM 722-02Z LWR FEB 77

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	722.940	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15,000	0.	-1,000	0.	0.	0.	0.	0.	0.	15,000

*PROF 2

CHV= 0.200 CHV= 0.400

*SECNO 100.000

2800 NAT Q1= 177.11 WSEL= 721.94 ENC Q1= 197.11 WSEL= 722.94 RATIO= 0.

NAT Q1= 302. RATIO= 0.3069 0.4630 0.1201 WSEL= 722.94

SECNO	DEPTH	CHSEL	CRHS	WSEL	EG	HV	HL	LOSS	RANK	ELEV
Q	QLOF	QCH	QROR	ALOB	ACH	AROR	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROR	XNL	XVCH	YNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIL	IDC	ICONT	CORAR	TOPMID	ENDST	

3470 ENCROACHMENT STATIONS=	539.9	605.3	TYPE=	4	TARGET=	0.340			
100.00	0.24	722.94	0.	721.94	723.49	0.55	0.	0.	718.09
1540.	414.	1101.	25.	171.	160.	10.	0.	0.	718.09
0.	2.42	6.59	1.24	0.120	0.060	0.120	0.	714.70	539.91
0.00143	0.	0.	0.	0		0	0.	65.40	605.31

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 722.94

STA= 540, 580, 602, 602,

PER Q= 26.9 71.5 1.5

AREA= 171.2 159.4 10.1

VEL= 2.4 6.7 1.2

*SECNO 125.000

2800 NAT Q1= 103.75 WSEL= 722.07 ENC Q1= 163.75 WSEL= 723.07 RATIO= 0.

NAT Q1= 283. RATIO= 0.3357 0.4765 0.1578 WSEL= 723.07

3470 ENCROACHMENT STATIONS= 543.6 604.6 TYPE= 4 TARGET= 0.350

 REC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

PROGRAM 722-02Z LWR
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
100.000	721.94	722.29	0.	714.70	61.04	1540.00
100.000	722.94	723.49	0.	714.70	61.63	1540.00
125.000	722.07	722.48	0.	715.00	70.24	1540.00
125.000	723.06	723.69	0.	715.00	71.92	1540.00
150.000	722.24	722.66	0.	715.20	73.23	1540.00
150.000	723.22	723.89	0.	715.20	75.05	1540.00
175.000	722.43	722.85	0.	715.40	74.24	1540.00
175.000	723.47	724.08	0.	715.40	69.48	1540.00
250.000	722.99	723.39	0.	715.90	70.20	1540.00
250.000	724.01	724.66	0.	715.90	66.95	1540.00
400.000	724.06	724.52	0.	717.10	77.61	1540.00
400.000	725.03	725.57	0.	717.10	61.05	1540.00
500.000	724.04	725.87	0.	717.20	145.60	1540.00
500.000	725.00	726.40	0.	717.20	81.75	1540.00
630.000	726.56	727.39	0.	718.30	87.86	1540.00
630.000	726.67	727.48	0.	718.30	83.75	1540.00
1590.000	734.97	735.65	0.	728.50	83.63	1540.00
1590.000	734.97	735.71	0.	728.50	87.42	1540.00
1900.000	737.94	738.84	0.	732.00	121.09	1540.00
1900.000	738.01	738.91	0.	732.00	110.30	1540.00
2200.000	741.52	742.39	0.	735.50	110.90	1540.00
2200.000	741.54	742.43	0.	735.50	110.89	1540.00
2900.000	749.43	750.17	0.	743.50	117.32	1380.00
2900.000	749.58	750.42	0.	743.50	111.50	1380.00
3600.000	755.52	755.86	0.	749.10	82.21	1380.00
3600.000	756.16	756.74	0.	749.10	73.61	1380.00

SFCNO	CWSFL	FG	ELLC	ELMIN	10K+S	Q
4500.000	762.24	762.66	0.	756.40	92.69	1380.00
4500.000	763.27	763.89	0.	756.40	85.46	1380.00
5540.000	770.70	771.15	0.	763.20	71.25	1230.00
5540.000	771.25	771.79	0.	763.20	66.75	1230.00
5590.000	771.01	771.69	0.	763.80	114.60	1230.00
5590.000	771.61	772.15	0.	763.80	78.61	1230.00
5611.000	771.59	772.27	770.80	763.80	77.28	1230.00
5611.000	772.36	772.87	770.80	763.80	49.31	1230.00
5660.000	772.36	772.55	0.	764.20	23.04	1230.00
5660.000	772.77	773.09	0.	764.20	29.46	1230.00
5760.000	772.59	772.90	0.	765.20	40.37	1230.00
5760.000	773.05	773.52	0.	765.20	47.94	1230.00
5900.000	773.18	774.04	0.	766.80	134.45	1125.00
5900.000	773.80	774.55	0.	766.80	98.50	1125.00
6000.000	774.43	775.30	0.	767.70	117.60	1125.00
6000.000	774.76	775.55	0.	767.70	98.55	1125.00
6150.000	776.17	776.84	0.	769.00	85.77	1125.00
6150.000	776.23	776.96	0.	769.00	86.35	1125.00
6500.000	779.06	780.26	0.	775.80	198.22	1125.00
6500.000	780.11	780.77	0.	775.80	135.92	1125.00
6550.000	780.43	781.05	0.	776.80	197.53	1125.00
6550.000	780.95	781.44	0.	776.80	118.01	1125.00
* 6600.000	783.15	784.00	0.	779.80	273.13	1125.00
* 6600.000	783.15	784.14	0.	779.80	300.63	1125.00
* 6660.000	786.54	786.81	0.	785.10	839.20	1125.00
* 6660.000	786.90	787.40	0.	785.10	1182.83	1125.00
* 6670.000	793.15	794.92	0.	788.60	497.50	1125.00
* 6670.000	793.21	794.92	0.	788.60	387.40	1125.00

PROGRAM 722-022 LNR
SUMMARY PRINTOUT

SFCNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TUPWID
100.000	721.94	442.40	580.00	602.00	659.55	217.15
100.000	722.94	539.91	580.00	602.00	605.31	65.40
125.000	722.07	448.64	580.00	602.00	658.38	209.74
125.000	723.06	543.58	580.00	602.00	604.60	61.02
150.000	722.24	450.47	580.00	602.00	658.04	207.57
150.000	723.22	544.95	580.00	602.00	603.95	58.99
175.000	722.43	451.07	580.00	602.00	657.92	206.86
175.000	723.47	543.53	580.00	602.00	606.40	62.88
200.000	722.99	448.62	580.00	602.00	658.38	209.77
200.000	724.01	542.11	580.00	602.00	606.66	64.55
400.000	724.08	452.99	580.00	602.00	657.56	204.57
400.000	725.08	537.67	580.00	602.00	614.74	77.07
500.000	724.64	971.48	1000.00	1022.00	1032.51	61.03
500.000	725.60	971.00	1000.00	1022.00	1031.00	60.00
630.000	726.56	953.11	1000.00	1022.00	1036.06	82.95
630.000	726.67	970.00	1000.00	1022.00	1030.06	60.00
1590.000	734.97	137.77	160.00	190.00	227.23	69.45
1590.000	734.97	155.00	160.00	190.00	215.00	60.00
1900.000	737.94	141.73	160.00	190.00	223.27	81.53
1900.000	738.01	155.00	160.00	190.00	215.00	60.00
2200.000	741.52	141.05	160.00	190.00	223.95	62.90
2200.000	741.54	155.00	160.00	190.00	215.00	60.00
2900.000	749.43	74.24	100.00	126.00	155.80	121.62
2900.000	749.58	95.00	100.00	126.00	155.00	60.00
3600.000	755.52	380.75	440.00	463.00	523.00	222.32
3600.000	756.16	400.00	440.00	463.00	470.00	70.00
4500.000	762.24	97.58	295.00	310.00	337.27	239.70
4500.000	763.27	255.00	295.00	310.00	325.00	70.00
5540.000	770.70	927.47	1000.00	1010.00	1020.00	162.59
5540.000	771.25	980.00	1000.00	1010.00	1020.00	60.00
5590.000	771.01	954.63	1000.00	1033.00	1049.94	95.11
5590.000	771.61	980.00	1000.00	1033.00	1040.00	60.00
5611.000	771.59	938.07	1000.00	1032.00	1051.75	143.67
5611.000	772.36	975.00	1000.00	1032.00	1055.00	60.00
5660.000	772.56	906.88	1000.00	1027.00	1059.72	162.84
5660.000	772.77	975.00	1000.00	1027.00	1055.00	60.00

SECNO	WSEL	SS1A	STCHL	STCHR	ENDST	TOPWD
5760.000	772.59	917.67	1000.00	1027.00	1063.29	145.63
5760.000	773.05	985.00	1000.00	1027.00	1035.00	50.00
5900.000	773.18	114.49	150.00	168.00	203.61	89.13
5900.000	773.80	135.00	150.00	168.00	185.00	50.00
6000.000	774.43	122.04	150.00	168.00	197.28	75.24
6000.000	774.76	130.00	150.00	168.00	180.00	50.00
6150.000	776.17	119.17	150.00	168.00	201.67	82.50
6150.000	776.23	130.00	150.00	168.00	180.00	50.00
6500.000	779.86	101.39	180.00	210.00	257.92	156.53
6500.000	780.11	150.00	180.00	210.00	220.00	70.00
6550.000	780.43	105.74	180.00	210.00	251.39	145.05
6550.000	780.95	135.00	180.00	210.00	235.00	100.00
* 6600.000	783.15	108.54	180.00	210.00	247.19	138.64
* 6600.000	783.15	135.00	180.00	210.00	235.00	100.00
6660.000	786.54	586.08	885.00	908.00	899.14	239.62
* 6660.000	786.90	690.00	885.00	908.00	899.67	142.05
6670.000	793.15	863.56	862.00	900.00	894.83	31.27
* 6670.000	793.21	863.43	862.00	900.00	894.92	31.49

SUMMARY OF ERRORS

CAUTION SECNO= 6600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6660.000 PROFILE= 2 SLOPE TOO STEEP

CAUTION SECNO= 6670.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA,
PROFILE NO. 2

PROGRAM 722-027

LWR

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
100.000	65.	347.	4.4	722.9	721.9	1.0
125.000	61.	319.	4.8	723.1	722.1	1.0
150.000	59.	309.	5.0	723.2	722.2	1.0
175.000	63.	328.	4.7	723.4	722.4	1.0
250.000	65.	337.	4.6	724.0	723.0	1.0
400.000	77.	378.	4.1	725.1	724.1	1.0
500.000	60.	281.	5.5	725.6	724.6	1.0
630.000	60.	278.	5.5	726.7	726.6	0.1
1590.000	60.	274.	5.6	735.0	735.0	0.
1900.000	60.	246.	6.3	739.0	737.9	0.1
2200.000	60.	248.	6.2	741.5	741.5	0.
2900.000	60.	240.	5.8	749.5	749.4	0.1
3600.000	70.	306.	4.5	756.1	755.5	0.6
4500.000	70.	293.	4.7	763.2	762.2	1.0
5540.000	60.	289.	4.3	771.3	770.7	0.6
5590.000	60.	242.	5.1	771.6	771.0	0.6
5611.000	60.	249.	4.9	772.4	771.6	0.8
5660.000	60.	350.	5.5	772.8	772.4	0.4
5760.000	50.	272.	4.5	773.1	772.6	0.5
5900.000	50.	215.	5.2	773.8	773.2	0.6
6000.000	50.	208.	5.4	774.7	774.4	0.3
6150.000	50.	217.	5.2	776.3	776.2	0.1
6500.000	70.	221.	5.1	780.1	779.9	0.2
6550.000	100.	272.	4.1	780.9	780.4	0.5
6600.000	100.	192.	5.9	783.1	783.1	0.
6660.000	142.	204.	5.5	786.9	786.5	0.4
6670.000	31.	107.	10.5	793.3	793.2	0.1

X1	3100.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
BT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	3200.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
BT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	3300.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
X1	3400.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
X1	3500.000	0.000	0.000	0.000	400.000	400.000	400.000	0.000	1.500	0.000
BT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	4600.000	11.000	500.000	516.000	800.000	800.000	800.000	0.000	0.000	0.000
GR	814.200	400.000	805.200	450.000	801.700	466.000	799.600	460.000	793.300	500.000
GR	791.000	502.000	791.200	514.000	793.300	516.000	810.700	575.000	812.700	600.000
GR	814.900	635.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	0600.000	10.000	500.000	520.000	2000.000	2000.000	2000.000	0.000	0.000	0.000
GR	831.600	260.000	827.600	300.000	823.600	330.000	810.700	300.000	814.000	400.000
GR	813.600	475.000	811.300	500.000	801.800	505.000	800.600	507.000	800.000	510.000
GR	814.600	520.000	815.600	536.000	817.400	539.000	820.700	500.000	820.000	500.000
GR	833.400	635.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	0700.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
X1	0800.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
X1	0900.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
X1	1000.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000
BT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2400.000	17.000	500.000	525.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	820.000	170.000	841.000	200.000	831.000	212.000	830.500	237.000	837.500	500.000
GR	834.700	400.000	835.300	400.000	823.000	476.000	822.200	500.000	819.100	500.000
GR	810.700	215.000	819.100	517.000	821.200	525.000	829.700	600.000	825.700	700.000
GR	820.700	300.000	835.400	825.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	1.400	1.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2500.000	10.000	500.000	511.000	50.000	50.000	50.000	0.000	0.000	0.000
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	840.500	200.000	835.000	400.000	823.000	500.000	820.500	500.000	820.300	511.000
GR	825.000	211.000	830.000	600.000	823.000	700.000	820.700	500.000	836.000	830.000
BT	1.200	1.500	0.500	0.000	10.000	1.000	0.000	0.000	0.000	0.000
X1	2600.000	0.000	0.000	0.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	831.000	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	11.000	200.000	840.500	0.000	300.000	436.400	0.000	400.000	833.400	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 FLO

SUMMARY PRINTOUT

Station	CRWS	XLCH	FLTRD	FLLC	FLMIN	Q	CWSEL	DIFRSP	TOPWID	STENCL	STENCR	HW
700	0.000 0.000	0.00 0.00	0.00 0.00	0.00 0.00	748.80 748.80	1120.00 1120.00	755.62 756.62	0.00 1.00	225.87 70.39	0.00 475.12	0.00 545.52	.
800	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	749.70 749.70	1120.00 1120.00	756.62 757.60	0.00 .97	231.06 76.42	0.00 471.97	0.00 548.39	.
900	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	750.50 750.50	1120.00 1120.00	757.51 758.43	0.00 .92	229.61 73.90	0.00 473.28	0.00 547.17	.
1000	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	751.50 751.50	1120.00 1120.00	758.42 759.33	0.00 .91	230.59 74.33	0.00 473.04	0.00 547.39	.
1100	0.000 0.000	100.00 100.00	0.00 0.00	5.00 0.00	752.40 752.40	1120.00 1120.00	759.32 760.23	0.00 .91	230.74 75.94	0.00 472.22	0.00 546.16	.
1200	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	753.30 753.30	1120.00 1120.00	760.21 761.11	0.00 .90	230.75 75.03	0.00 472.69	0.00 547.73	.
3000	0.000 0.000	1500.00 1500.00	0.00 0.00	0.00 0.00	770.00 770.00	1120.00 1120.00	777.22 778.15	0.00 .93	143.13 66.20	0.00 450.20	0.00 517.00	.
3100	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	771.20 771.20	1120.00 1120.00	778.25 779.17	0.00 .92	141.19 66.48	0.00 456.52	0.00 517.00	.
3200	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	772.40 772.40	1120.00 1120.00	779.45 780.37	0.00 .92	141.14 66.30	0.00 456.70	0.00 517.00	.
3300	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	773.50 773.50	1120.00 1120.00	780.55 781.57	0.00 .92	141.10 66.22	0.00 457.18	0.00 517.00	.
3400	0.000 0.000	100.00 100.00	0.00 0.00	0.00 0.00	774.50 774.50	1120.00 1120.00	781.85 782.78	0.00 .93	141.10 66.08	0.00 456.92	0.00 517.00	.
3500	0.000 0.000	400.00 400.00	0.00 0.00	0.00 0.00	779.30 779.30	1120.00 1120.00	786.46 787.39	0.00 .93	142.44 64.59	0.00 457.41	0.00 517.00	.
4000	0.000 0.000	400.00 400.00	0.00 0.00	0.00 0.00	791.00 791.00	1120.00 1120.00	797.02 797.66	0.00 .64	50.04 17.33	0.00 499.57	0.00 516.90	1. 1.

	CRWS	XLCH	FLTRD	FLLC	FLMIN	Q	WSEL	DIFNSP	TOPWID	STENCL	STENCL?	HP
6600	0.000	2000.00	0.00	0.00	808.60	1120.00	816.17	0.00	162.59	0.00	0.00	.
	0.000	2000.00	0.00	0.00	808.60	1120.00	816.97	.80	73.30	446.62	520.00	.
6700	0.000	100.00	0.00	0.00	809.80	1120.00	816.75	0.00	153.01	0.00	0.00	.
	0.000	100.00	0.00	0.00	809.80	1120.00	817.46	.71	44.52	475.48	520.00	.
6800	0.000	100.00	0.00	0.00	811.00	1120.00	817.76	0.00	146.35	0.00	0.00	.
	0.000	100.00	0.00	0.00	811.00	1120.00	818.57	.81	38.85	481.15	520.00	.
6900	0.000	100.00	0.00	0.00	812.20	1120.00	818.95	0.00	147.95	0.00	0.00	.
	0.000	100.00	0.00	0.00	812.20	1120.00	819.82	.88	38.35	481.65	520.00	.
7000	0.000	100.00	0.00	0.00	813.40	1120.00	820.15	0.00	147.91	0.00	0.00	.
	0.000	100.00	0.00	0.00	813.40	1120.00	821.06	.91	38.16	481.84	520.00	.
7463	0.000	463.00	0.00	0.00	818.70	900.00	824.82	0.00	70.39	0.00	0.00	.
	0.000	463.00	0.00	0.00	818.70	900.00	825.62	.80	34.12	500.00	534.12	.
*7513	827.365	50.00	0.00	0.00	820.30	900.00	827.37	0.00	152.98	0.00	0.00	.
*	827.323	50.00	0.00	0.00	820.30	900.00	827.32	-.04	103.06	498.92	714.94	1.
*7607	0.000	94.00	832.00	827.00	820.30	900.00	830.91	0.00	11.00	0.00	0.00	.
*	0.000	94.00	999999.00	0.00	820.30	900.00	830.87	-.04	11.00	500.00	511.00	.
7657	0.000	50.00	0.00	0.00	818.70	900.00	832.02	0.00	344.18	0.00	0.00	.
	0.000	50.00	0.00	0.00	818.70	900.00	831.99	-.03	321.34	474.00	795.34	.

SUMMARY OF ERRORS

CAUTION SECNO= 0.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.000 PROFILE= 1 HYDRAULIC JUMP O.S.
CAUTION SECNO= 0.000 PROFILE= 2 HYDRAULIC JUMP O.S.

FLOODWAY DATA, FEB 1977 DLQ
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
700.000	70.	255.	4.4	756.6	755.6	1.0
800.000	76.	279.	4.0	757.6	756.6	1.0
900.000	74.	267.	4.2	758.4	757.5	.9
1000.000	74.	267.	4.2	759.3	758.4	.9
1100.000	76.	272.	4.1	760.2	759.3	.9
1200.000	75.	268.	4.2	761.1	760.2	.9
A 3000.000	67.	250.	4.5	778.1	777.2	.9
3100.000	60.	223.	5.0	779.2	778.3	.9
3200.000	60.	222.	5.0	780.3	779.4	.9
3300.000	60.	221.	5.1	781.5	780.6	.9
3400.000	60.	222.	5.0	782.8	781.9	.9
3800.000	65.	241.	4.7	787.4	786.5	.9
B 4600.000	17. 50	104. 162	10.4 6.9	797.6	797.0	.6
C 6600.000	73.	335.	3.3	817.0	816.2	.8
6700.000	45.	208.	5.4	817.5	816.8	.7
6800.000	39.	188.	6.0	818.6	817.8	.8
6900.000	38.	188.	5.9	819.8	818.9	.9
7000.000	38.	189.	5.9	821.1	820.2	.9
D 7463.000	34. 50	178.	5.1	825.6	824.8	.8
7513.000	103.	170.	5.3	827.4	827.4	0.0
7607.000	11.	116.	7.7	830.9	830.9	0.0
7657.000	321.	1871.	.5	832.0	832.0	0.0

SNOMB = 1870T, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 001500

47293

MARCH 1977

T1 GUILFORD COUNTY FIA STUDY 100 YR. FLOODWAY
 T2 STREAM 92 AND 93
 T3 MARCH 1977 DWL

NEW FLOW

J1	ICMFCN	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.	0.	0.	0.	769,450	0.
J2	NPROF	JPLOT	PRFVS	XSECV	XSECH	FN	ALLUC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	15,000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	200,000	0.	0.	0.	0.	0.	0.	0.	0.	0.
	38,000	1,000	4,000	13,000	14,000	15,000	27,000	21,000	22,000	28,000
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
CT	4,000	820,000	1390,000	1640,000	3100,000	1680,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	5,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1500,000	19,000	500,000	532,000	0.	0.	0.	0.	0.	0.
GP	800,000	200,000	793,300	250,000	788,900	300,000	783,800	350,000	777,500	400,000
GR	772,600	450,000	763,100	500,000	763,600	504,000	763,600	512,000	763,300	526,000
GE	767,700	532,000	758,400	550,000	771,700	600,000	771,700	650,000	772,500	700,000
GR	774,400	750,000	750,400	760,000	779,600	800,000	781,900	850,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1710,000	0.	0.	0.	10,000	10,000	10,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1730,000	0.	0.	0.	20,000	20,000	20,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1750,000	0.	0.	0.	20,000	20,000	20,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1770,000	0.	0.	0.	20,000	20,000	20,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	485,000	535,000	0.	0.
X1	1790,000	0.	0.	0.	20,000	20,000	20,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	6,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	420,000	550,000	0.	0.
X1	2340,000	24,000	500,000	550,000	840,000	840,000	840,000	0.	0.	0.
GP	805,500	100,000	796,500	132,000	784,900	154,000	784,200	200,000	781,900	234,000
GR	775,100	250,000	773,300	300,000	772,800	350,000	772,600	400,000	773,200	450,000
GE	773,000	500,000	769,900	514,000	756,500	518,000	760,000	523,000	766,400	529,000
GR	768,800	530,000	773,200	550,000	775,400	600,000	776,000	650,000	777,200	700,000
GP	779,800	720,000	782,300	800,000	773,000	850,000	800,000	1250,000	0.	0.
ET	0.	0.	0.	0.	0.	6,400	0.	0.	0.	0.

X1	2389,000	24,000	500,000	528,000	49,000	49,000	49,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	775,200	775,200	0.
GR	805,500	100,000	796,500	132,000	734,900	154,000	784,200	200,000	781,900	234,000
GR	775,100	250,000	773,300	300,000	772,800	350,000	772,600	400,000	773,200	450,000
GR	773,900	500,000	769,300	502,000	767,500	507,000	766,900	512,000	767,300	520,000
GR	771,800	527,000	775,200	528,000	775,400	600,000	776,000	650,000	777,200	700,000
GR	779,800	750,000	782,300	800,000	783,000	850,000	800,000	1250,000	0.	0.

X1	2390,000	29,000	500,000	528,000	1,000	1,000	1,000	0.	0.	0.
BT	24,000	0.	785,000	785,000	50,000	784,000	784,000	100,000	783,500	783,500
BT	150,000	783,500	783,500	200,000	784,000	784,000	250,000	784,100	784,100	300,000
BT	783,600	783,600	350,000	782,400	782,400	400,000	780,900	780,900	450,000	779,400
BT	779,400	500,000	778,000	778,000	500,300	778,000	775,200	527,900	777,800	775,200
BT	528,000	777,800	777,800	550,000	777,800	777,800	600,000	778,200	778,200	650,000
BT	778,700	778,700	700,000	779,900	779,900	750,000	780,800	780,800	800,000	782,300
BT	782,300	850,000	783,900	783,900	900,000	785,100	785,100	950,000	786,300	786,300
BT	1000,000	787,500	787,500	0.	0.	0.	0.	0.	0.	0.
GR	785,000	0.	784,000	50,000	783,500	100,000	783,500	150,000	784,000	200,000
GR	784,100	250,000	783,600	300,000	782,400	350,000	780,900	400,000	779,400	450,000
GR	778,000	500,000	775,200	500,300	769,300	502,000	767,500	507,000	766,900	512,000
GR	767,300	520,000	771,800	527,000	775,200	527,900	777,800	528,000	777,800	550,000
GR	778,200	600,000	778,700	650,000	779,900	760,000	780,800	750,000	782,300	800,000
GR	783,900	850,000	785,100	900,000	786,300	950,000	787,500	1000,000	0.	0.

X1	2411,000	0.	0.	0.	21,000	21,000	21,000	0.	0.	0.
X2	0.	0.	0.	0.	0.	0.	1,000	0.	0.	0.

X1	2412,000	24,000	500,000	528,000	1,000	1,000	1,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	772,000	773,000	0.
GR	805,500	100,000	796,500	132,000	734,900	154,000	784,200	200,000	781,900	234,000
GR	775,100	250,000	773,300	300,000	772,800	350,000	772,600	400,000	773,200	450,000
GR	773,900	500,000	769,300	502,000	767,500	507,000	766,900	512,000	767,300	520,000
GR	771,800	527,000	775,200	528,000	775,400	600,000	776,000	650,000	777,200	700,000
GR	779,800	750,000	782,300	800,000	783,000	850,000	800,000	1250,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	490,000	540,000	0.	0.

X1	2425,000	21,000	500,000	522,000	13,000	13,000	13,000	0.	-0,300	0.
GR	796,300	250,000	793,900	300,000	792,200	350,000	789,600	400,000	781,800	450,000
GR	776,200	405,000	772,900	500,000	767,800	507,000	767,300	512,000	767,300	519,000
GR	773,100	522,000	774,700	550,000	777,200	600,000	777,300	650,000	778,800	700,000
GR	780,300	734,000	789,300	750,000	784,600	800,000	787,700	850,000	789,800	900,000
GR	796,800	1050,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	490,000	540,000	0.	0.

X1	2450,000	0.	0.	0.	25,000	25,000	25,000	0.	-0,100	0.
ET	0.	0.	0.	0.	0.	7,100	490,000	540,000	0.	0.

X1	2462,000	0.	0.	0.	12,000	12,000	12,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	4,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	495,000	605,000	0.	0.

X1	3250,000	10,000	500,000	520,000	788,000	788,000	788,000	0.	0.	0.
GR	790,000	400,000	783,000	450,000	778,500	480,000	776,500	560,000	771,000	507,000
GR	771,000	517,000	776,500	520,000	778,500	600,000	782,000	735,000	790,000	800,000
ET	0.	0.	0.	0.	0.	10,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	505,000	615,000	0.	0.

X1	4320.000	20.000	506.000	525.000	1070.000	1070.000	1070.000	0.	0.	0.
GR	821.900	250.000	806.400	300.000	775.100	323.000	790.300	350.000	790.500	400.000
GR	783.700	450.000	782.700	506.000	776.000	507.000	776.200	514.000	777.000	522.000
GR	783.000	525.000	782.500	550.000	781.600	600.000	782.600	650.000	784.700	525.000
GR	784.600	700.000	785.500	740.000	788.500	750.000	801.200	800.000	806.200	850.000
ET	0.	0.	0.	0.	0.	-2.400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	481.000	541.000	0.	0.
X1	4680.000	10.000	500.000	522.000	360.000	360.000	360.000	0.	0.	0.
GR	800.000	200.000	790.000	420.000	784.000	490.000	784.000	500.000	780.000	504.000
GR	780.000	518.000	784.000	522.000	786.000	550.000	790.000	595.000	800.000	625.000
ET	0.	0.	0.	0.	0.	7.100	482.000	557.000	0.	0.
X1	4960.000	10.000	500.000	522.000	280.000	280.000	280.000	0.	0.	0.
GR	800.000	410.000	790.000	470.000	788.000	485.000	788.000	500.000	783.200	504.000
GR	783.200	518.000	788.000	522.000	788.000	540.000	790.000	585.000	800.000	650.000
QT	4.000	680.000	1150.000	1370.000	2240.000	1370.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	5.400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	480.000	530.000	0.	0.
X1	5100.000	10.000	500.000	520.000	140.000	140.000	140.000	0.	0.	0.
GR	810.000	300.000	800.000	400.000	790.000	485.000	789.000	500.000	784.800	505.000
GR	784.800	516.000	789.000	520.000	790.000	530.000	800.000	600.000	810.000	645.000
ET	0.	0.	0.	0.	0.	7.100	480.000	530.000	0.	0.
X1	5400.000	8.000	500.000	520.000	300.000	300.000	300.000	0.	0.	0.
GR	810.000	410.000	800.000	450.000	791.500	500.000	786.300	505.000	788.300	516.000
GR	791.500	520.000	800.000	565.000	810.000	600.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	490.000	540.000	0.	0.
X1	6040.000	14.000	500.000	521.000	660.000	660.000	660.000	0.	0.	0.
GR	840.500	300.000	832.800	350.000	824.600	400.000	812.900	450.000	800.000	500.000
GR	796.100	509.000	795.600	513.000	796.400	517.000	798.900	521.000	803.800	550.000
GR	814.700	600.000	827.200	650.000	838.000	700.000	846.800	750.000	0.	0.
ET	0.	0.	0.	0.	0.	0.400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	500.000	590.000	0.	0.
X1	7080.000	21.000	500.000	515.000	1040.000	1040.000	1040.000	0.	0.	0.
GR	848.500	350.000	846.900	365.000	837.300	387.000	837.500	400.000	836.000	429.000
GR	823.900	450.000	809.600	490.000	809.800	500.000	807.900	502.000	806.600	508.000
GR	806.100	514.000	810.000	515.000	811.000	550.000	813.000	600.000	813.000	650.000
GR	814.200	700.000	820.200	750.000	822.900	800.000	827.900	850.000	840.000	930.000
GR	850.000	1130.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	500.000	580.000	0.	0.
X1	7180.000	6.000	500.000	515.000	200.000	200.000	200.000	0.	0.	0.
GR	833.000	400.000	812.500	500.000	807.000	510.000	812.000	515.000	819.000	700.000
GR	840.000	900.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	485.000	535.000	0.	0.
X1	7400.000	20.000	500.000	523.000	120.000	120.000	120.000	0.	0.	0.
GR	841.700	300.000	841.100	307.000	835.300	327.000	835.200	341.000	834.000	350.000
GR	834.500	361.000	828.300	400.000	817.700	450.000	814.900	500.000	811.100	505.000
GR	810.800	509.000	808.600	515.000	816.800	523.000	818.200	550.000	819.400	600.000
GR	821.800	650.000	823.300	700.000	824.900	750.000	827.600	800.000	835.000	850.000
ET	0.	0.	0.	0.	0.	7.100	478.000	528.000	0.	0.

X1	7636,000	0,	0,	0,	236,000	236,000	236,000	0,	1,400	0,
ET	0,	0,	0,	0,	0,	7,100	458,000	568,000	0,	0,
X1	7686,000	25,000	495,550	504,450	50,000	50,000	50,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	816,940	816,940	0,
GR	847,400	150,000	842,800	200,000	842,200	250,000	841,700	300,000	841,100	307,000
GR	835,300	327,000	835,200	341,000	834,600	350,000	834,500	361,000	828,300	400,000
GR	817,700	450,000	815,000	492,500	814,120	495,550	811,300	497,350	811,300	502,700
GR	814,120	504,450	814,500	507,600	816,800	523,000	818,200	550,000	819,400	600,000
GR	821,800	650,000	823,300	700,000	824,900	750,000	827,600	800,000	835,000	850,000
SH	1,250	2,040	2,500	0,	5,700	0,300	40,300	0,617	812,000	811,300
ET	0,	0,	0,	0,	0,	7,100	458,000	538,000	0,	0,
X1	7754,000	0,	0,	0,	66,000	68,000	68,000	0,	0,	0,
X2	0,	0,	1,000	817,600	819,400	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	819,400	819,400	0,
BT	20,000	150,000	847,400	847,400	200,000	842,800	842,800	250,000	838,400	838,400
BT	300,000	834,200	834,200	350,000	830,200	830,200	400,000	623,000	823,000	450,000
BT	820,700	817,700	492,300	819,400	815,000	495,550	819,400	814,120	497,350	819,400
BT	816,940	502,700	819,400	816,940	504,450	819,400	814,120	507,600	819,400	814,500
BT	550,000	820,200	818,200	600,000	822,100	821,800	650,000	824,000	821,800	700,000
BT	826,200	823,300	750,000	827,700	824,900	600,000	829,100	827,600	850,000	830,400
BT	630,400	0,	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	7,100	463,000	558,000	0,	0,
X1	7766,000	0,	0,	0,	12,000	12,000	12,000	0,	1,500	0,
ET	0,	0,	0,	0,	0,	3,400	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	7,100	500,000	590,000	0,	0,
X1	7778,000	19,000	500,000	516,000	12,000	12,000	12,000	0,	-1,900	0,
GR	858,200	300,000	848,300	350,000	842,900	375,000	830,900	400,000	822,800	428,000
GR	821,400	450,000	819,900	500,000	815,600	503,000	815,400	500,000	815,500	509,000
GR	821,500	513,000	821,700	539,000	821,400	550,000	821,100	600,000	824,500	650,000
GR	826,100	700,000	832,700	750,000	841,500	800,000	847,800	850,000	0,	0,
ET	0,	0,	0,	0,	0,	7,100	500,000	598,000	0,	0,
X1	7790,000	0,	0,	0,	12,000	12,000	12,000	0,	0,	0,
ET	0,	0,	0,	0,	0,	0,400	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	7,100	500,000	590,000	0,	0,
X1	7804,000	0,	0,	0,	14,000	14,000	14,000	0,	0,	0,
QT	4,000	400,000	820,000	980,000	1420,000	980,000	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	18,400	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	7,100	493,000	593,000	0,	0,
X1	8010,000	19,000	500,100	516,000	206,000	206,000	206,000	0,	-3,000	0,
GR	858,200	200,000	858,200	250,000	858,200	300,000	848,300	350,000	830,900	400,000
GR	821,400	450,000	821,400	500,100	819,500	506,100	819,500	506,100	819,500	506,200
GR	821,500	516,000	821,100	600,000	824,500	650,000	826,100	700,000	832,700	750,000
GR	841,500	800,000	847,800	850,000	850,000	900,000	852,000	950,000	0,	0,
ET	0,	0,	0,	0,	0,	7,100	500,000	570,000	0,	0,
X1	8197,000	0,	0,	0,	187,000	187,000	187,000	0,	0,	0,
ET	0,	0,	0,	0,	0,	7,100	500,000	550,000	0,	0,
X1	8227,000	19,000	500,100	506,100	30,000	30,000	30,000	0,	0,	0,

 REC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

MARCH 1977 DWL
 SUMMARY PRINTOUT

SECGO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
1500.000	769.45	99.33	280.41	1353.86	45.73	0.	500.00	532.00	0.
1500.000	770.45	50.00	240.49	1429.32	10.19	485.00	500.00	532.00	535.00
1710.000	769.61	102.68	283.66	1342.63	53.72	0.	500.00	532.00	0.
1710.000	770.53	50.00	240.38	1429.25	10.37	485.00	500.00	532.00	535.00
1730.000	769.88	108.02	288.58	1324.44	66.98	0.	500.00	532.00	0.
1730.000	770.68	50.00	240.12	1429.14	10.75	485.00	500.00	532.00	535.00
1750.000	770.08	112.26	292.31	1309.76	77.93	0.	500.00	532.00	0.
1750.000	770.82	50.00	239.88	1429.09	11.03	485.00	500.00	532.00	535.00
1770.000	770.26	115.84	295.32	1297.30	87.38	0.	500.00	532.00	0.
1770.000	770.95	50.00	239.63	1429.07	11.30	485.00	500.00	532.00	535.00
1790.000	770.41	118.95	297.85	1286.41	95.73	0.	500.00	532.00	0.
1790.000	771.07	50.00	239.38	1429.08	11.54	485.00	500.00	532.00	535.00
2340.000	774.79	327.79	491.56	1167.71	20.73	0.	500.00	550.00	0.
2340.000	775.36	130.00	269.57	1410.43	0.	420.00	500.00	550.00	550.00
2389.000	774.40	27.76	0.	1680.00	0.	0.	500.00	528.00	0.
2389.000	775.21	28.00	0.	1680.00	0.	500.00	500.00	528.00	528.00
2390.000	774.38	27.15	0.	1680.00	0.	0.	500.00	528.00	0.
2390.000	775.19	27.60	0.	1680.00	0.	500.00	500.00	528.00	528.00
2411.000	775.39	27.63	0.	1680.00	0.	0.	500.00	528.00	0.
2411.000	775.65	27.67	0.	1680.00	0.	0.	500.00	528.00	0.
2412.000	775.64	28.00	0.	1680.00	0.	0.	500.00	528.00	0.
2412.000	776.03	28.00	0.	1680.00	0.	500.00	500.00	528.00	528.00
2425.000	776.01	117.57	111.49	1389.78	178.73	0.	500.00	522.00	0.
2425.000	776.11	50.00	71.12	1488.89	119.99	490.00	500.00	522.00	540.00
2450.000	776.55	132.26	152.53	1290.22	237.25	0.	500.00	522.00	0.
2450.000	776.58	50.00	80.13	1460.01	139.86	490.00	500.00	522.00	540.00

SFCNO	CWSEL	TOPWID	QLOB	QCH	QRDH	STENCL	STCHL	STCHR	STENCH
2462.000	776,68	134,90	159,18	1273,21	247,61	0.	500,00	522,00	0.
2462.000	776,73	50,00	82,12	1453,51	144,37	490,00	500,00	522,00	540,00
3250.000	780,89	228,51	137,42	960,52	582,06	0.	500,00	520,00	0.
3250.000	781,47	110,00	32,75	1028,90	618,35	495,00	500,00	520,00	605,00
4320.000	785,35	295,41	164,96	770,42	744,62	0.	506,00	525,00	0.
4320.000	786,03	110,00	2,41	964,39	713,19	505,00	506,00	525,00	615,00
4680.000	787,27	112,53	223,56	1292,24	164,20	0.	500,00	522,00	0.
4680.000	788,07	60,00	199,69	1322,25	158,06	481,00	500,00	522,00	541,00
4960.000	790,84	125,46	165,39	1219,57	295,04	0.	500,00	522,00	0.
4960.000	790,94	75,00	136,02	1296,84	247,13	482,00	500,00	522,00	557,00
5100.000	792,33	81,18	147,90	1118,34	103,76	0.	500,00	520,00	0.
5100.000	792,53	50,00	144,82	1153,70	71,47	480,00	500,00	520,00	530,00
5400.000	795,70	67,02	110,46	1160,34	99,20	0.	500,00	520,00	0.
5400.000	795,81	50,00	121,14	1166,23	82,62	480,00	500,00	520,00	530,00
6040.000	803,43	61,15	44,49	1181,24	144,26	0.	500,00	521,00	0.
6040.000	803,41	50,00	45,21	1176,64	148,15	490,00	500,00	521,00	540,00
7080.000	814,03	215,35	168,21	658,83	542,95	0.	500,00	515,00	0.
7080.000	814,68	90,00	0.	695,78	674,22	500,00	500,00	515,00	590,00
7180.000	815,81	131,74	58,05	848,05	463,90	0.	500,00	515,00	0.
7180.000	816,51	80,00	0.	753,28	616,72	500,00	500,00	515,00	580,00
7400.000	817,58	86,04	124,90	1240,04	5,06	0.	500,00	523,00	0.
7400.000	817,73	50,00	93,84	1267,78	8,38	485,00	500,00	523,00	535,00
7636.000	820,53	145,59	261,63	1042,82	65,55	0.	500,00	523,00	0.
7636.000	820,70	50,00	182,28	1171,47	16,24	478,00	500,00	523,00	528,00
7686.000	821,10	201,27	450,73	394,61	524,66	0.	495,55	504,45	0.
7686.000	821,44	110,00	416,56	439,40	514,04	458,00	495,55	504,45	568,00
7754.000	822,21	234,84	447,55	327,07	595,38	0.	495,55	504,45	0.
7754.000	822,23	130,00	393,40	383,04	593,55	458,00	495,55	504,45	588,00
7766.000	822,16	190,33	449,21	427,73	493,07	0.	495,55	504,45	0.
7766.000	822,15	95,00	393,56	508,16	468,28	463,00	495,55	504,45	558,00
7778.000	822,36	223,47	0.	0.	1370,00	0.	500,00	300,00	0.
7778.000	822,27	90,00	0.	0.	1370,00	500,00	500,00	300,00	590,00
7790.000	822,43	224,66	0.	0.	1370,00	0.	500,00	300,00	0.
7790.000	822,39	90,00	0.	988,24	381,76	500,00	500,00	539,00	590,00
7804.000	822,51	226,23	0.	0.	1370,00	0.	500,00	300,00	0.
7804.000	822,58	90,00	0.	979,24	390,76	500,00	500,00	539,00	590,00
8010.000	822,95	269,02	253,93	199,31	526,76	0.	500,10	516,00	0.
8010.000	823,68	100,00	38,21	333,68	608,10	493,00	500,10	516,00	593,00

SECNO	WSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
8197.000	823.10	274.62	254.30	196.27	529.43	0.	500.10	516.00	0.
8197.000	823.99	70.00	0.07	433.55	546.38	500.00	500.10	516.00	570.00
* 8227.000	825.51	253.18	269.60	89.27	621.13	0.	500.10	506.10	0.
* 8227.000	825.55	50.00	0.12	278.03	701.85	500.00	500.10	506.10	550.00
8333.000	833.25	350.51	271.60	51.40	657.01	0.	500.10	506.10	0.
8333.000	833.19	50.00	0.08	240.71	739.21	500.00	500.10	506.10	550.00
8383.000	833.24	153.12	385.60	594.39	0.01	0.	500.00	544.00	0.
8383.000	833.21	50.00	42.07	937.93	0.	494.00	500.00	544.00	544.00

SUMMARY OF ERRORS

CAUTION SECNO= 7754.000 PROFILE= 1 HYDRAULIC JUMP O.S.

CAUTION SECNO= 8227.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 8227.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 8227.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8227.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 8227.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 8227.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

0.5 ft/sec
9.50-20

Stream 92 and 13
FLOODWAY DATA, MARCH 1977
PROFILE NO. 2
DWL

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
1500.000	50.	308.	5.5	770.5	769.4	1.0
1710.000	50.	311.	5.4	770.5	769.6	0.9
1730.000	50.	320.	5.3	770.7	769.9	0.8
1750.000	50.	326.	5.2	770.8	770.1	0.7
1770.000	50.	332.	5.1	771.0	770.3	0.7
1790.000	50.	338.	5.0	771.1	770.4	0.7
2340.000	130.	462.	3.6	775.4	774.8	0.6
2389.000	28.	189.	8.9	775.2	774.4	0.8
2390.000	28.	185.	9.1	775.2	774.4	0.8
2411.000	28.	185.	9.1	775.7	775.4	0.3
2412.000	28.	211.	7.9	776.0	775.6	0.4
2425.000	50.	250.	6.7	776.1	776.0	0.1
2450.000	50.	279.	6.0	776.6	776.6	0.
2462.000	50.	286.	5.9	776.8	776.7	0.1
A 3250.000	110.	537.	3.1	781.5	780.9	0.6
B 4320.000	110.	518.	3.2	786.0	785.3	0.7
4680.000	60.	300.	5.6	788.1	787.3	0.8
4960.000	75.	300.	5.6	790.9	790.8	0.1
5100.000	50.	222.	6.2	792.5	792.3	0.2
5400.000	50.	221.	6.2	795.8	795.7	0.1
A 6040.000	50.	208.	6.6	803.4	803.4	0.
B 7080.000	90.	373.	3.7	814.6	814.0	0.6
7180.000	80.	316.	4.3	816.5	815.8	0.7
7430.000	50.	183.	7.5	817.8	817.6	0.2
7636.000	50.	270.	5.1	820.7	820.5	0.2
7686.000	110.	563.	2.4	821.4	821.1	0.3
7754.000	130.	718.	1.9	822.2	822.2	0.
C 7766.000	95.	437.	3.1	822.2	822.2	0.
7778.000	90.	308.	4.4	822.4	822.4	0.
7790.000	90.	319.	4.3	822.4	822.4	0.
7804.000	90.	336.	4.1	822.6	822.5	0.1
8040.000	100.	564.	1.7	823.7	823.0	0.7
8197.000	70.	421.	2.3	824.0	823.1	0.9
8227.000	50.	234.	4.2	825.5	825.5	0.
8333.000	50.	566.	1.7	833.3	833.3	0.
D 8383.000	50.	406.	2.4	833.2	833.2	0.

OVERALL VEL = 2.7 F 1.2 FPS

AV. VEL - 2.3 F 2.4 FPS
" " - 2.0 F 2.3 FPS

" " - 2.3 F 2.5 FPS
" " - 1.7 F 2.0 FPS
" " - 1.8 F 2.4 FPS
" " - 2.2 F 2.5 FPS
" " - 2.1 F 2.7 FPS

DEPTH TO WATER 2' DEPTH

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,21,52

STRENGTH 190

T1 GUILFORD COUNTY FIA STUDY ***100 YEAR FREQUENCY FLOOD EVENT***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FO
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	765.500	0.000
J2	IPROF	IPLDT	PREVS	XSECV	XSFCH	FN	ALLDC	IPW	CHNIN	ITRACE
	1.000	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	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRAT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RC	.120	.120	.000	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	2.000	2770.000	2770.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	10.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	400.000	10.000	500.000	535.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	701.800	300.000	775.000	350.000	764.100	400.000	702.600	450.000	761.900	500.000
GR	758.600	504.000	757.800	522.000	757.600	525.000	757.700	529.000	758.000	531.000
GR	762.700	535.000	762.400	550.000	761.700	600.000	761.200	650.000	762.600	700.000
GR	770.200	750.000	776.900	705.000	770.400	800.000	0.000	0.000	0.000	0.000
QT	2.000	2710.000	2710.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	8.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2129.000	10.000	500.000	531.000	1729.000	1729.000	1729.000	0.000	0.000	0.000
GR	777.300	350.000	773.800	400.000	771.900	450.000	771.000	450.000	767.000	460.000
GR	766.200	500.000	765.300	500.000	761.500	521.000	764.500	525.000	764.700	528.000
GR	766.100	531.000	766.400	537.000	772.100	550.000	774.000	559.000	775.500	600.000
X1	2229.000	27.000	500.000	543.000	100.000	100.000	100.000	0.000	0.000	0.000
Y3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	772.000	772.000	0.000
GR	772.900	0.000	773.300	50.000	773.900	100.000	774.500	150.000	775.000	200.000
GR	775.200	250.000	775.200	300.000	773.100	350.000	774.600	400.000	773.900	450.000
GR	773.300	500.000	773.300	503.000	767.000	503.000	767.500	511.000	764.800	513.000
GR	763.800	525.000	764.900	540.000	766.700	543.000	773.200	543.000	773.300	550.000
GR	773.800	600.000	774.900	650.000	770.200	700.000	777.900	750.000	770.900	800.000
GR	781.800	850.000	783.400	900.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	25.000	0.000	273.100	.790	0.000	0.000

X1	2252.000	0.000	0.000	0.000	23.000	23.000	23.000	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	773.300	773.300	0.000
RT	23.000	0.000	772.900	0.000	50.000	773.300	0.000	100.000	773.900	0.000
BT	150.000	774.500	0.000	200.000	775.000	0.000	250.000	775.200	0.000	300.000
BT	775.200	0.000	350.000	775.100	0.000	400.000	774.600	0.000	450.000	773.900
BT	0.000	500.000	773.300	0.000	503.000	773.300	0.000	503.000	773.300	772.000
BT	543.000	773.200	772.000	543.000	773.200	0.000	550.000	773.200	0.000	600.000
BT	773.800	0.000	650.000	774.900	0.000	700.000	776.200	0.000	750.000	777.900
BT	0.000	800.000	779.900	0.000	850.000	781.100	0.000	900.000	783.400	0.000

X1	2352.000	20.000	500.000	527.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	787.700	300.000	781.600	350.000	778.100	368.000	774.200	385.000	775.200	400.000
GR	775.700	409.000	775.600	418.000	773.100	435.000	766.200	447.000	765.400	453.000
GR	765.500	459.000	768.300	462.000	768.000	500.000	765.500	504.000	765.000	511.000
GR	765.100	516.000	771.200	527.000	772.200	550.000	775.400	600.000	780.500	650.000

X1	3102.000	19.000	500.000	533.000	750.000	750.000	750.000	0.000	-5.800	0.000
GR	802.900	300.000	801.300	350.000	797.700	400.000	795.700	416.000	792.900	450.000
GR	786.900	485.000	780.800	500.000	776.900	505.000	776.500	509.000	777.200	510.000
GR	781.500	533.000	780.700	550.000	781.700	600.000	781.400	650.000	782.100	683.000
GR	785.300	700.000	791.300	750.000	796.000	800.000	800.100	850.000	0.000	0.000
ET	0.000	0.000	7.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3840.000	0.000	0.000	0.000	738.000	738.000	738.000	0.000	5.800	0.000
BT	2.000	2700.000	2700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3890.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
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X1	3940.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
BT	0.000	0.000	11.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7400.000	19.000	500.000	536.000	3460.000	3460.000	3460.000	0.000	0.000	0.000
GR	805.000	200.000	802.500	250.000	797.500	278.000	795.800	300.000	793.300	350.000
GR	790.500	400.000	790.700	450.000	790.500	500.000	786.100	505.000	784.100	511.000
GR	783.600	519.000	784.000	526.000	790.900	536.000	790.800	550.000	792.500	600.000
GR	795.100	650.000	800.600	700.000	802.200	750.000	805.200	800.000	0.000	0.000

15.25

X1	7450.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
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X1	7500.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
BT	2.000	2700.000	2700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	10924.000	15.000	500.000	551.000	3424.000	3424.000	3424.000	0.000	0.000	0.000
GR	827.600	330.000	821.600	350.000	818.900	365.000	815.600	400.000	812.500	450.000
GR	810.300	500.000	804.600	514.000	804.500	520.000	805.400	530.000	810.900	536.000
GR	814.400	572.000	815.200	600.000	815.800	650.000	817.000	700.000	818.600	750.000
ET	0.000	0.000	6.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	10974.000	16.000	500.000	530.000	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	815.400	815.400	0.000
GR	826.800	250.000	824.200	300.000	821.600	350.000	819.400	400.000	817.700	450.000

X1	13163.000	21.000	500.000	527.000	688.000	688.000	688.000	0.000	0.000	0.000
GR	831.800	180.000	829.300	700.000	823.300	213.000	826.800	250.000	826.300	300.000
GR	826.500	350.000	826.900	378.000	824.800	395.000	823.700	400.000	820.900	415.000
GR	819.600	450.000	819.000	500.000	814.800	510.000	814.600	517.000	815.200	521.000
GR	820.100	527.000	819.900	550.000	823.400	600.000	823.300	650.000	824.900	900.000
GR	829.100	1000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	13213.000	22.000	509.000	522.000	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	820.900	820.900	0.000
GR	831.800	180.000	829.300	200.000	823.300	213.000	826.800	250.000	826.300	300.000
GR	826.500	350.000	826.900	378.000	824.800	395.000	823.700	400.000	820.900	415.000
GR	819.600	450.000	819.000	500.000	819.000	509.000	814.800	510.000	814.800	521.000
GR	819.000	522.000	820.100	527.000	819.900	550.000	823.400	600.000	823.300	650.000
GR	824.900	900.000	829.100	1000.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	13.000	0.800	73.200	0.000	0.000	0.000

X1	13268.000	14.000	509.000	522.000	55.000	55.000	55.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	820.800	822.900	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	824.200	822.900	0.000
BT	12.000	350.000	829.500	829.500	400.000	827.200	827.200	450.000	825.400	825.400
BT	500.000	824.200	824.200	509.000	824.200	820.800	522.000	824.200	820.800	600.000
BT	823.000	822.800	750.000	822.900	822.900	850.000	823.600	823.600	900.000	824.900
BT	824.900	950.000	626.800	826.800	1000.000	829.100	829.100	0.000	0.000	0.000
GR	829.500	350.000	827.200	400.000	825.400	450.000	824.200	500.000	820.800	509.000
GR	815.600	510.000	815.600	521.000	820.800	522.000	822.800	600.000	822.900	750.000
GR	823.600	850.000	824.900	900.000	826.800	950.000	829.100	1000.000	0.000	0.000

X1	13318.000	12.000	500.000	539.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	828.700	400.000	827.000	450.000	824.500	500.000	816.200	523.000	816.200	526.000
GR	816.200	530.000	822.400	539.000	822.500	550.000	822.800	600.000	823.300	650.000
GR	824.200	670.000	829.900	700.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	13618.000	10.000	50.000	70.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	832.000	0.000	830.000	20.000	823.000	50.000	820.000	53.000	820.000	60.000
GR	820.200	67.000	826.000	70.000	823.000	75.000	830.000	80.000	832.000	90.000
ET	0.000	0.000	10.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	14463.000	22.000	500.000	535.000	645.000	645.000	645.000	0.000	0.000	0.000
GR	847.000	300.000	842.600	350.000	839.600	365.000	835.500	382.000	834.600	400.000
GR	832.800	450.000	832.700	485.000	832.700	500.000	827.400	522.000	826.300	527.000
GR	827.000	533.000	831.000	535.000	832.800	538.000	832.700	552.000	835.400	600.000
GR	837.300	650.000	838.000	675.000	832.600	684.000	842.600	695.000	842.600	700.000
GR	843.600	750.000	839.600	800.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	8.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	14513.000	21.000	520.000	534.000	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	832.700	832.700	0.000
GR	847.000	300.000	842.600	350.000	839.600	365.000	835.500	382.000	834.600	400.000
GR	832.800	450.000	832.700	485.000	832.700	500.000	832.700	520.000	827.700	521.000
GR	827.700	533.000	832.700	534.000	832.700	552.000	835.400	600.000	837.300	650.000
GR	838.000	675.000	832.600	684.000	842.600	695.000	842.600	700.000	843.600	750.000
GR	844.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.610	2.500	0.000	13.000	1.000	60.000	0.000	0.000	0.000

X1	14679.000	12.000	520.000	534.000	166.000	166.000	166.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	832.700	845.200	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	845.200	845.200	0.000
BT	10.000	400.000	849.000	849.000	450.000	847.300	832.800	500.000	846.400	832.700

BT	520,000	846,400	832,700	534,000	846,200	832,700	550,000	845,600	532,700	600,000
BT	845,200	835,400	650,000	845,200	837,300	750,000	846,200	843,600	800,000	848,700
PT	844,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	849,000	400,000	832,800	450,000	832,700	500,000	832,700	520,000	829,400	521,000
GR	829,400	533,000	832,700	534,000	832,700	550,000	835,400	600,000	837,300	650,000
GR	843,600	750,000	844,000	800,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	14680,000	13,000	500,000	513,000	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	834,700	834,700	0,000
GR	842,100	330,000	840,900	350,000	838,200	400,000	836,600	450,000	835,700	500,000
GR	830,100	500,000	830,100	513,000	835,700	513,000	835,200	550,000	835,300	600,000
GR	836,600	700,000	840,000	800,000	842,100	829,000	0,000	0,000	0,000	0,000
SB	,900	1,500	2,500	0,000	10,000	0,000	40,000	0,000	0,000	0,000

X1	14720,000	14,000	500,000	512,000	40,000	40,000	40,000	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	14,000	300,000	848,100	848,100	330,000	842,100	842,100	350,000	841,500	841,500
BT	400,000	838,600	838,600	450,000	836,600	836,600	500,000	835,700	835,700	501,000
BT	835,700	834,700	511,000	835,700	334,700	512,000	835,700	835,700	600,000	835,300
BT	835,300	700,000	836,600	836,600	800,000	840,000	840,000	830,000	844,000	844,000
BT	900,000	850,000	850,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	848,100	500,000	842,100	330,000	841,500	350,000	838,600	400,000	836,600	450,000
GR	835,700	500,000	830,600	501,000	830,600	511,000	835,700	512,000	835,300	600,000
GR	836,600	700,000	840,000	800,000	844,000	830,000	850,000	900,000	0,000	0,000

X1	14770,000	18,000	500,000	529,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	850,600	250,000	848,100	500,000	846,100	334,000	842,100	337,000	841,500	350,000
GR	838,600	400,000	837,200	450,000	836,400	500,000	830,900	511,000	830,700	518,000
GR	830,800	522,000	836,400	529,000	835,400	550,000	839,000	600,000	839,400	650,000
GR	840,000	700,000	840,900	750,000	840,700	800,000	0,000	0,000	0,000	0,000
QT	2,000	1020,000	1020,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	15360,000	16,000	500,000	531,000	590,000	590,000	590,000	0,000	0,000	0,000
GR	848,300	305,000	845,400	350,000	841,600	420,000	830,800	450,000	840,400	500,000
GR	835,500	511,000	835,300	513,500	835,500	515,000	841,400	531,000	840,900	550,000
GR	841,400	600,000	844,900	650,500	846,000	700,000	847,200	750,000	847,000	800,000
GR	848,000	850,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	15410,000	13,000	510,000	524,000	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	841,900	841,900	0,000
GR	849,500	505,000	845,400	350,000	842,800	400,000	839,800	450,000	840,400	510,000
GR	836,900	511,000	836,900	525,000	841,400	524,000	841,400	580,000	844,900	650,000
GR	846,000	700,000	847,200	750,000	848,000	850,000	0,000	0,000	0,000	0,000
SB	1,250	1,500	2,500	0,000	15,000	1,000	60,000	0,000	0,000	0,000

X1	15510,000	11,000	504,000	516,000	100,000	100,000	100,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	841,900	845,600	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	445,600	845,600	0,000
BT	9,000	200,000	848,400	848,400	250,000	846,700	846,700	300,000	846,000	845,000
BT	450,000	845,600	841,000	500,000	845,600	842,900	504,000	845,600	841,900	516,000
BT	845,600	841,900	565,000	845,600	845,100	600,000	851,200	851,200	0,000	0,000
GR	848,400	200,000	846,700	250,000	846,000	300,000	841,000	450,000	842,000	500,000
GR	841,900	504,000	836,900	505,000	835,900	515,000	841,900	516,000	845,100	565,000
GR	851,200	600,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	15620,000	14,000	500,000	521,000	100,000	100,000	100,000	0,000	0,000	0,000
GR	851,200	300,000	851,700	339,000	851,200	350,000	844,500	400,000	842,100	417,000
GR	841,000	450,000	842,000	500,000	838,700	504,000	838,600	508,000	838,800	511,000

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***FLOODWAY COMPUTATIONS***
T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH
T3 FEB 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.000000	0.00	0.0	0.	766.500	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLQ

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
400.000	765.50	295.44	318.37	1306.94	1144.69	0.00	500.00	535.00	0.00
400.000	766.50	149.97	0.00	1583.46	1186.54	500.00	500.00	535.00	649.97
2129.000	773.04	134.50	749.10	1733.37	227.53	0.00	500.00	531.00	0.00
2129.000	773.98	64.00	739.50	1967.36	3.14	467.67	500.00	531.00	531.67
2229.000	773.43	135.27	10.32	2698.98	.70	0.00	500.00	543.00	0.00
2229.000	774.41	43.00	0.00	2710.00	0.00	500.00	500.00	543.00	543.00
2252.000	773.56	170.02	18.63	2689.04	2.33	0.00	500.00	543.00	0.00
2252.000	774.55	43.00	0.00	2710.00	0.00	500.00	500.00	543.00	543.00
2352.000	774.95	184.93	1245.34	1290.36	174.29	0.00	500.00	527.00	0.00
2352.000	775.61	79.73	1269.60	1440.39	0.00	447.26	500.00	527.00	527.00
3102.000	778.76	205.31	28.88	1501.01	1180.10	0.00	500.00	533.00	0.00
3102.000	779.78	103.76	0.00	1775.53	934.47	500.00	500.00	533.00	603.76
3840.000	784.74	206.72	30.53	1469.29	1210.18	0.00	500.00	533.00	0.00
3840.000	785.71	117.74	0.00	1669.95	1040.05	500.00	500.00	533.00	617.74
3890.000	785.17	209.26	33.38	1412.12	1254.50	0.00	500.00	533.00	0.00
3890.000	786.15	124.92	0.00	1582.82	1117.18	500.00	500.00	533.00	624.92
3940.000	785.49	211.08	35.46	1379.15	1285.39	0.00	500.00	533.00	0.00
3940.000	786.48	130.10	0.00	1528.76	1171.23	500.00	500.00	533.00	630.10
7400.000	795.20	339.15	868.52	1486.99	344.49	0.00	500.00	536.00	0.00
7400.000	796.20	141.04	821.12	1786.90	91.97	408.32	500.00	536.00	549.36
7450.000	795.28	335.37	855.73	1510.20	334.07	0.00	500.00	536.00	0.00
7450.000	796.28	136.93	803.99	1821.38	74.63	410.28	500.00	536.00	547.21
7500.000	795.37	331.08	843.74	1530.68	325.59	0.00	500.00	536.00	0.00
7500.000	796.37	133.63	789.69	1849.90	60.41	411.80	500.00	536.00	545.43
10924.000	813.36	125.11	0.00	0.00	2700.00	0.00	500.00	330.00	0.00
10924.000	813.87	138.50	0.00	0.00	2700.00	0.00	500.00	330.00	0.00

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STGHL	STCHR	STENCR
10974.000	814.08	30.00	0.00	2700.00	0.00	0.00	500.00	530.00	0.00
10974.000	814.33	30.00	0.00	2700.00	0.00	500.00	500.00	530.00	530.00
11026.000	814.60	30.00	0.00	2700.00	0.00	0.00	500.00	530.00	0.00
11026.000	814.84	30.00	0.00	2700.00	0.00	500.00	500.00	530.00	530.00
11061.000	815.86	255.38	291.21	2297.33	111.46	0.00	500.00	548.00	0.00
11061.000	815.87	48.00	0.00	2700.00	0.00	500.00	500.00	548.00	548.00
12040.000	817.39	398.01	23.70	1172.26	1504.04	0.00	500.00	551.00	0.00
12040.000	818.05	219.09	0.00	1430.02	1269.98	500.00	500.00	551.00	719.09
12325.000	817.63	128.68	229.48	1089.78	.74	0.00	500.00	541.00	0.00
12325.000	818.32	41.00	0.00	1320.00	0.00	500.00	500.00	541.00	541.00
12375.000	817.36	20.00	0.00	1320.00	0.00	0.00	600.00	620.00	0.00
12375.000	818.31	20.00	0.00	1320.00	0.00	600.00	600.00	620.00	620.00
12425.000	817.60	20.00	0.00	1320.00	0.00	0.00	600.00	620.00	0.00
12425.000	818.55	20.00	0.00	1320.00	0.00	600.00	600.00	620.00	620.00
12475.000	819.19	167.81	186.05	1022.72	111.24	0.00	500.00	531.00	0.00
12475.000	819.65	46.44	93.95	1223.46	2.59	485.66	500.00	531.00	532.10
13163.000	821.76	166.20	308.23	925.47	86.30	0.00	500.00	527.00	0.00
13163.000	822.54	54.16	204.76	1115.24	0.00	472.84	500.00	527.00	527.00
13213.000	822.28	176.35	550.15	588.09	181.76	0.00	509.00	522.00	0.00
13213.000	823.15	80.46	596.25	665.49	58.26	445.89	509.00	522.00	530.35
* 13268.000	823.72	345.55	0.00	760.83	559.17	0.00	509.00	522.00	0.00
* 13268.000	824.59	51.48	0.00	911.86	408.14	509.00	509.00	522.00	560.48
13318.000	824.35	170.34	0.00	1079.95	240.05	0.00	500.00	539.00	0.00
13318.000	825.36	39.00	0.00	1320.00	0.00	500.00	500.00	539.00	539.00
13818.000	828.55	34.62	1.41	1303.83	14.76	0.00	50.00	70.00	0.00
13818.000	829.33	20.00	0.00	1320.00	0.00	50.00	50.00	70.00	70.00
14463.000	834.68	188.91	175.88	1062.95	81.16	0.00	500.00	535.00	0.00
14463.000	835.53	35.00	0.00	1320.00	0.00	500.00	500.00	535.00	535.00
14513.000	835.00	200.96	467.99	688.21	163.81	0.00	520.00	534.00	0.00
14513.000	835.96	73.25	540.11	779.89	0.00	460.75	520.00	534.00	534.00
* 14679.000	845.71	389.85	479.43	191.46	649.11	0.00	520.00	534.00	0.00
* 14679.000	846.67	247.00	459.94	203.19	656.87	443.96	520.00	534.00	690.97
14680.000	845.71	499.00	359.58	118.36	842.06	0.00	500.00	513.00	0.00
14680.000	846.67	373.43	319.81	127.64	872.55	395.89	500.00	513.00	769.32
14720.000	845.71	538.00	371.09	61.81	887.11	0.00	500.00	512.00	0.00
14720.000	846.67	369.64	318.54	116.38	885.08	398.24	500.00	512.00	767.58
14770.000	845.71	465.71	403.90	357.08	559.02	0.00	500.00	529.00	0.00
14770.000	846.67	327.92	364.67	391.28	564.05	398.27	500.00	529.00	726.19

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
15360.000	845.76	344.65	383.36	394.39	242.29	0.00	500.00	531.00	0.00
15360.000	846.71	170.57	360.71	459.25	200.04	418.98	500.00	531.00	589.55
15410.000	845.78	345.59	516.88	204.80	298.32	0.00	510.00	524.00	0.00
15410.000	846.73	178.44	517.35	234.66	267.99	414.97	510.00	524.00	593.41
15510.000	846.65	322.40	688.07	224.27	107.66	0.00	504.00	516.00	0.00
15510.000	847.60	151.99	797.35	222.65	0.00	364.00	504.00	516.00	516.00
15610.000	846.71	171.46	571.26	390.00	58.74	0.00	500.00	521.00	0.00
15610.000	847.66	93.58	590.22	429.78	0.00	427.42	500.00	521.00	521.00
15760.000	846.91	149.95	539.21	448.75	32.04	0.00	500.00	521.00	0.00
15760.000	847.85	67.88	431.29	588.71	0.00	453.12	500.00	521.00	521.00
16009.000	849.07	126.17	47.14	859.65	113.21	0.00	500.00	525.00	0.00
16009.000	849.18	25.00	0.00	1020.00	0.00	500.00	500.00	525.00	525.00
16059.000	850.64	104.33	381.20	465.48	173.26	0.00	500.00	510.00	0.00
16059.000	851.43	68.61	412.66	512.31	95.03	452.98	500.00	510.00	521.59
16101.000	854.30	165.39	225.82	298.92	495.26	0.00	504.00	512.00	0.00
16101.000	855.09	79.60	202.96	318.41	498.62	477.13	504.00	512.00	556.73
16151.000	854.41	148.53	164.11	590.76	265.13	0.00	500.00	522.00	0.00
16151.000	855.18	73.95	127.34	646.38	246.27	477.80	500.00	522.00	551.76

SUMMARY OF ERRORS

CAUTION SECNO=13268,000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=13268,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=13268,000 PROFILE= 1 HYDRAULIC JUMP D,S.
CAUTION SECNO=13268,000 PROFILE= 2 HYDRAULIC JUMP D,S.
CAUTION SECNO=14679,000 PROFILE= 1 HYDRAULIC JUMP D,S.
CAUTION SECNO=14679,000 PROFILE= 2 HYDRAULIC JUMP D,S.
CAUTION SECNO=16009,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=16009,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=16009,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, FEB 1977
 PROFILE NO. 2

DLO

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH [FT]	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
400.000	150.	812.	3.4	766.5	765.5	1.0
2129.000	64.	522.	5.2	773.9	773.0	.9
2229.000	43.	373.	7.3	774.4	773.4	1.0
2252.000	43.	379.	7.2	774.6	773.6	1.0
2352.000	80.	670.	4.0	775.6	774.9	.7
3102.000	104.	545.	5.0	779.8	778.8	1.0
3840.000	118.	616.	4.4	785.7	784.7	1.0
3890.000	125.	689.	3.9	786.2	785.2	1.0
3940.000	130.	742.	3.6	786.5	785.5	1.0
7400.000	141.	964.	2.8	796.2	795.2	1.0
7450.000	137.	924.	2.9	796.3	795.3	1.0
7500.000	134.	891.	3.0	796.4	795.4	1.0
10924.000	139.	453.	6.0	813.9	813.4	.5
10974.000	30.	295.	0.2	814.3	814.1	.2
11026.000	30.	310.	4.7	814.8	814.6	.2
11061.000	48.	488.	5.5	815.9	815.9	0.0
12040.000	219.	1411.	1.9	818.1	817.4	.7
12325.000	41.	256.	5.2	818.3	817.6	.7
12375.000	20.	156.	8.5	818.4	817.4	1.0
12425.000	20.	161.	8.2	818.6	817.6	1.0
12475.000	46.	313.	4.2	819.7	819.2	.5
13163.000	54.	263.	5.8	822.6	821.8	.8
13213.000	80.	363.	3.5	823.2	822.3	.9
13268.000	51.	238.	5.5	824.6	823.7	.9
13318.000	39.	233.	5.7	825.3	824.3	1.0
13818.000	20.	165.	6.0	829.4	828.6	.8
14463.000	35.	229.	5.8	835.6	834.7	.9
14513.000	73.	302.	4.1	836.9	835.9	1.0
14679.000	247.	2992.	.4	846.7	845.7	1.0
14680.000	373.	3912.	.3	846.7	845.7	1.0
14720.000	370.	3841.	.3	846.7	845.7	1.0
14770.000	328.	2946.	.4	846.7	845.7	1.0
15360.000	171.	1127.	.9	846.8	845.8	1.0
15410.000	178.	1119.	.9	846.8	845.8	1.0
15510.000	152.	920.	1.1	847.6	846.6	1.0
15610.000	94.	614.	1.7	847.7	846.7	1.0
15760.000	68.	348.	2.9	847.8	846.9	.9
16009.000	25.	102.	10.0	849.2	849.1	.1
16059.000	69.	248.	4.1	851.4	850.6	.8
16101.000	80.	438.	2.3	855.1	854.3	.8
16151.000	74.	439.	2.3	855.2	854.4	.8

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

STREAM 19 1' L.C.D. 11/11/77

T1 GUILFORD COUNTY FIA STUDY ***100 YEAR FREQUENCY FLOOD EVENT***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH
 T3 FEB 1977 DLD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	WSPL	FO	
	-1.	2.	0.	0.	0.000000	0.00	0.0	765.500	0.000	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	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	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.000	.200	.400	.000	.000	.000	.000	.000
OT	2.000	2770.000	2770.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	10.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	400.000	18.000	500.000	535.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	781.800	300.000	775.000	350.000	763.100	400.000	762.600	450.000	761.900	500.000
GR	758.600	504.000	757.800	522.000	757.600	525.000	757.700	529.000	758.000	531.000
GR	762.700	535.000	762.400	550.000	761.700	600.000	761.200	650.000	762.600	700.000
GR	770.200	750.000	776.900	785.000	772.400	800.000	0.000	0.000	0.000	0.000
OT	2.000	2710.000	2710.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2129.000	15.000	500.000	531.000	1727.000	1729.000	1729.000	0.000	0.000	0.000
GR	777.300	350.000	773.800	400.000	771.900	450.000	771.000	456.000	767.000	468.000
GR	766.200	500.000	765.300	500.000	764.400	521.000	764.500	525.000	764.700	528.000
GR	766.100	531.000	766.400	537.000	772.100	550.000	774.000	559.000	775.500	600.000
Y1	2229.000	27.000	500.000	543.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	772.000	772.000	0.000
GR	772.900	0.000	773.300	50.000	771.900	100.000	774.500	150.000	775.000	200.000
GR	775.200	250.000	775.200	300.000	775.100	350.000	774.600	400.000	773.900	450.000
GR	773.300	500.000	773.300	503.000	767.600	503.000	767.500	511.000	764.800	513.000
GR	763.600	525.000	764.900	540.000	766.700	543.000	773.200	543.000	773.300	550.000
GR	773.800	600.000	774.000	650.000	774.200	700.000	777.900	750.000	779.900	800.000
GR	781.800	650.000	783.400	900.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	25.600	0.000	273.100	.790	0.000	0.000

X1	2252.000	0.000	0.000	0.000	23.000	23.000	23.000	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	773.300	773.300	0.000
BT	23.000	0.000	772.900	0.000	50.000	773.300	0.000	100.000	773.900	0.000
BT	150.000	774.500	0.000	200.000	775.000	0.000	250.000	775.200	0.000	300.000
BT	775.200	0.000	350.000	775.100	0.000	400.000	774.600	0.000	450.000	773.900
BT	0.000	500.000	773.300	0.000	503.000	773.300	0.000	503.000	773.300	772.000
BT	543.000	773.200	772.000	543.000	773.200	0.000	550.000	773.200	0.000	600.000
BT	773.800	0.000	650.000	774.900	0.000	700.000	776.200	0.000	750.000	777.900
BT	0.000	800.000	779.900	0.000	850.000	781.100	0.000	900.000	783.400	0.000

X1	2352.000	20.000	500.000	527.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	787.700	300.000	781.600	350.000	778.100	368.000	774.200	385.000	775.200	400.000
GR	775.700	409.000	775.600	418.000	773.100	435.000	766.200	447.000	765.400	453.000
GR	765.500	459.000	768.300	462.000	768.000	500.000	765.500	504.000	765.000	511.000
GR	765.100	516.000	771.200	527.000	772.200	550.000	775.400	600.000	780.500	650.000

X1	3102.000	19.000	500.000	533.000	750.000	750.000	750.000	0.000	-5.800	0.000
GR	802.900	300.000	801.300	350.000	797.700	400.000	795.700	416.000	792.800	450.000
GR	786.900	485.000	780.800	500.000	776.900	505.000	776.500	509.000	777.200	516.000
GR	781.500	535.000	780.700	550.000	781.700	600.000	781.400	650.000	782.100	683.000
GR	785.300	700.000	791.500	750.000	796.000	800.000	800.100	850.000	0.000	0.000
BT	0.000	0.000	7.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3840.000	0.000	0.000	0.000	738.000	738.000	738.000	0.000	5.800	0.000
BT	2.000	2700.000	2700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3890.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
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X1	3940.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
BT	0.000	0.000	11.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7400.000	19.000	500.000	536.000	3460.000	3460.000	3460.000	0.000	0.000	0.000
GR	805.000	200.000	802.500	250.000	797.500	278.000	795.800	300.000	793.300	350.000
GR	796.500	400.000	790.700	450.000	790.500	500.000	786.100	505.000	784.100	511.000
GR	783.600	517.000	784.000	526.000	790.900	536.000	790.800	550.000	792.500	600.000
GR	795.100	600.000	800.600	700.000	802.200	750.000	805.200	800.000	0.000	0.000

15.2

X1	7450.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
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X1	7500.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
BT	2.000	2700.000	2700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	0.000	.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	10924.000	15.000	500.000	551.000	3424.000	3424.000	3424.000	0.000	0.000	0.000
GR	827.600	330.000	821.600	350.000	319.900	365.000	815.600	400.000	812.500	450.000
GR	810.300	500.000	804.600	514.000	801.500	520.000	805.400	530.000	810.900	536.000
GR	814.400	572.000	815.200	600.000	815.000	650.000	817.000	700.000	818.600	750.000
BT	0.000	0.000	6.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	10974.000	16.000	500.000	550.000	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	815.400	815.400	0.000
GR	826.800	250.000	824.200	300.000	821.600	350.000	819.400	400.000	817.700	450.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
400.000	765.50	295.44	318.37	1306.94	1144.69	0.00	500.00	535.00	0.00
400.000	766.50	149.97	0.00	1583.46	1186.54	500.00	500.00	535.00	649.97
2129.000	773.04	134.50	749.10	1733.37	227.53	0.00	500.00	531.00	0.00
2129.000	773.98	64.00	739.50	1967.36	3.14	467.67	500.00	531.00	531.67
2229.000	773.43	135.27	10.32	2698.98	.70	0.00	500.00	543.00	0.00
2229.000	774.41	43.00	0.00	2710.00	0.00	500.00	500.00	543.00	543.00
2252.000	773.56	170.02	18.63	2689.04	2.33	0.00	500.00	543.00	0.00
2252.000	774.55	43.00	0.00	2710.00	0.00	500.00	500.00	543.00	543.00
2352.000	774.95	184.93	1245.34	1290.36	174.29	0.00	500.00	527.00	0.00
2352.000	775.61	79.73	1269.60	1440.39	0.00	447.26	500.00	527.00	527.00
3102.000	778.76	205.31	28.88	1501.01	1180.10	0.00	500.00	533.00	0.00
3102.000	779.76	103.76	0.00	1775.53	934.47	500.00	500.00	533.00	603.76
3840.000	784.74	206.72	30.53	1469.29	1210.16	0.00	500.00	533.00	0.00
3840.000	785.71	117.74	0.00	1669.95	1040.05	500.00	500.00	533.00	617.74
3890.000	785.17	209.26	33.38	1412.12	1254.50	0.00	500.00	533.00	0.00
3890.000	786.15	124.92	0.00	1582.82	1117.18	500.00	500.00	533.00	624.92
3940.000	785.49	211.08	35.46	1379.15	1285.39	0.00	500.00	533.00	0.00
3940.000	786.48	130.10	0.00	1528.76	1171.23	500.00	500.00	533.00	630.10
7400.000	795.20	339.15	868.52	1486.99	344.49	0.00	500.00	536.00	0.00
7400.000	796.20	141.04	821.12	1786.90	91.97	408.32	500.00	536.00	549.36
7450.000	795.28	335.37	855.73	1510.20	334.07	0.00	500.00	536.00	0.00
7450.000	796.28	136.93	803.99	1821.38	74.63	410.28	500.00	536.00	547.21
7500.000	795.37	331.08	843.74	1530.68	325.59	0.00	500.00	536.00	0.00
7500.000	796.37	133.63	789.69	1849.90	60.41	411.80	500.00	536.00	545.43
10924.000	813.36	125.11	0.00	0.00	2700.00	0.00	500.00	330.00	0.00
10924.000	813.87	138.50	0.00	0.00	2700.00	0.00	500.00	330.00	0.00

SECNO	CWSEL	TOPWID	QLOB	QCH	OROB	STENCL	SICHL	SICHR	STENCR
10974.000	814.08	30.00	0.00	2700.00	0.00	0.00	500.00	530.00	0.00
10974.000	814.33	30.00	0.00	2700.00	0.00	500.00	500.00	530.00	530.00
11026.000	814.60	30.00	0.00	2700.00	0.00	0.00	500.00	530.00	0.00
11026.000	814.84	30.00	0.00	2700.00	0.00	500.00	500.00	530.00	530.00
11061.000	815.86	255.38	291.21	2297.33	111.46	0.00	500.00	548.00	0.00
11061.000	815.87	48.00	0.00	2700.00	0.00	500.00	500.00	548.00	548.00
12040.000	817.39	398.01	23.70	1172.20	1504.04	0.00	500.00	551.00	0.00
12040.000	818.05	219.09	0.00	1430.02	1269.98	500.00	500.00	551.00	719.09
12325.000	817.63	128.68	229.48	1089.78	.74	0.00	500.00	541.00	0.00
12325.000	818.32	41.00	0.00	1320.00	0.00	500.00	500.00	541.00	541.00
12375.000	817.36	20.00	0.00	1320.00	0.00	0.00	600.00	620.00	0.00
12375.000	818.31	20.00	0.00	1320.00	0.00	600.00	600.00	620.00	620.00
12425.000	817.60	20.00	0.00	1320.00	0.00	0.00	600.00	620.00	0.00
12425.000	818.55	20.00	0.00	1320.00	0.00	600.00	600.00	620.00	620.00
12475.000	819.19	167.81	186.05	1022.72	111.24	0.00	500.00	531.00	0.00
12475.000	819.65	46.44	93.95	1223.46	2.59	485.66	500.00	531.00	532.10
13163.000	821.76	166.20	308.23	925.47	86.30	0.00	500.00	527.00	0.00
13163.000	822.54	54.16	204.76	1115.24	0.00	472.84	500.00	527.00	527.00
13213.000	822.28	176.35	550.15	588.09	181.76	0.00	509.00	522.00	0.00
13213.000	823.15	80.46	596.25	665.49	58.26	449.89	509.00	522.00	530.35
* 13268.000	823.72	145.55	0.00	760.83	559.17	0.	509.00	522.00	0.00
* 13268.000	824.59	51.48	0.00	911.86	408.14	509.00	509.00	522.00	.48
13318.000	824.77	170.34	0.00	1079.95	240.95	0.00	500.00	539.00	0.00
13318.000	825.11	39.00	0.00	1320.00	0.00	500.00	200.00	539.00	539.00
13818.000	828.55	34.62	0.00	1303.83	14.76	0.00	50.00	70.00	0.00
13818.000	829.33	20.00	0.00	1320.00	0.00	50.00	50.00	70.00	70.00
14463.000	834.68	188.91	175.88	1062.95	81.16	0.00	500.00	535.00	0.00
14463.000	835.53	35.00	0.00	1320.00	0.00	500.00	500.00	535.00	535.00
14513.000	835.00	200.96	467.99	688.21	163.81	0.00	520.00	534.00	0.00
14513.000	835.96	73.25	540.11	779.89	0.00	460.75	520.00	534.00	534.00
* 14679.000	845.71	189.85	479.43	191.46	649.11	0.00	520.00	534.00	0.00
* 14679.000	846.67	247.00	459.94	203.19	650.87	443.96	520.00	534.00	690.97
14680.000	845.71	499.80	359.58	118.36	842.06	0.00	500.00	513.00	0.00
14680.000	846.67	373.43	319.81	127.64	872.55	395.89	500.00	513.00	769.32
14720.000	845.71	538.80	371.09	61.81	887.11	0.00	500.00	512.00	0.00
14720.000	846.67	369.64	318.54	116.38	889.08	398.24	500.00	512.00	767.88
14770.000	845.71	465.71	403.90	357.08	559.02	0.00	500.00	529.00	0.00
14770.000	846.67	327.92	364.67	391.28	564.05	398.27	500.00	529.00	726.19

SECNO	CWSEL	TOPWID	QLOB	QCH	QRON	STENCL	STCHL	STCHR	STENCR
15360.000	845.76	344.65	383.36	394.39	242.25	0.00	500.00	531.00	0.00
15360.000	846.71	170.57	360.71	459.25	200.04	418.98	500.00	531.00	589.55
15410.000	845.78	345.59	516.88	204.80	298.32	0.00	510.00	524.00	0.00
15410.000	846.73	178.44	517.35	234.66	267.99	414.97	510.00	524.00	593.41
15510.000	846.65	322.40	888.07	224.27	107.66	0.00	504.00	516.00	0.00
15510.000	847.60	151.99	797.35	222.65	0.00	364.00	504.00	516.00	516.00
15610.000	846.71	171.46	571.26	390.00	58.74	0.00	500.00	521.00	0.00
15610.000	847.66	93.58	590.22	429.78	0.00	427.42	500.00	521.00	521.00
15760.000	846.91	149.95	539.21	448.75	32.04	0.00	500.00	521.00	0.00
15760.000	847.85	67.88	431.29	588.71	0.00	453.12	500.00	521.00	521.00
* 16009.000	849.07	126.17	47.14	859.65	113.21	0.00	500.00	525.00	0.00
16009.000	849.18	25.00	0.00	1020.00	0.00	500.00	500.00	525.00	525.00
16059.000	850.64	184.33	381.26	465.48	173.26	0.00	500.00	510.00	0.00
16059.000	851.43	68.61	412.66	512.31	95.03	452.98	500.00	510.00	521.59
16101.000	854.30	165.39	225.82	298.92	495.26	0.00	504.00	512.00	0.00
16101.000	855.09	79.60	202.96	318.41	498.62	477.13	504.00	512.00	556.73
16151.000	854.41	148.53	164.11	590.76	265.13	0.00	500.00	522.00	0.00
16151.000	855.18	73.95	127.34	646.38	246.27	477.80	500.00	522.00	551.76

SUMMARY OF ERRORS

CAUTION SECNO=13268.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=13268.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=13268.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO=13268.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO=14679.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO=14679.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO=16009.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=16009.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=16009.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, FEB 1977
 PROFILE NO. 2

DLU

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
400.000	150.	812.	3.4	766.5	765.5	1.0
2129.000	64.	522.	5.2	773.9	773.0	.9
2229.000	43.	373.	7.3	774.4	773.4	1.0
2252.000	43.	379.	7.2	774.6	773.6	1.0
2352.000	80.	670.	4.0	775.6	774.9	.7
3102.000	104.	545.	5.0	779.8	778.8	1.0
3640.000	118.	616.	4.4	785.7	784.7	1.0
3890.000	125.	689.	3.9	786.2	785.2	1.0
3940.000	130.	742.	3.6	786.5	785.5	1.0
7400.000	141.	964.	2.8	796.2	795.2	1.0
7450.000	137.	924.	2.9	796.3	795.3	1.0
7500.000	134.	891.	3.0	796.4	795.4	1.0
10924.000	139.	453.	6.0	813.9	813.4	.5
10974.000	30.	295.	9.2	814.3	814.1	.2
11026.000	30.	310.	8.7	814.8	814.6	.2
11061.000	48.	488.	5.5	815.9	815.9	0.0
12040.000	219.	1411.	1.9	818.1	817.4	.7
12325.000	41.	256.	5.2	818.3	817.6	.7
12375.000	20.	156.	8.5	818.4	817.4	1.0
12425.000	20.	161.	8.2	818.6	817.6	1.0
12475.000	46.	313.	4.2	819.7	819.2	.5
13163.000	54.	263.	5.0	822.6	821.8	.8
13213.000	80.	363.	3.6	823.2	822.3	.9
13268.000	51.	238.	5.5	824.6	823.7	.9
13318.000	39.	233.	5.7	825.3	824.3	1.0
13818.000	20.	165.	8.0	829.4	828.6	.8
14463.000	35.	229.	5.8	835.6	834.7	.9
14513.000	73.	302.	4.4	836.0	835.0	1.0
14679.000	247.	2292.	.4	846.7	845.7	1.0
14680.000	373.	3212.	.3	846.7	845.7	1.0
14720.000	370.	3841.	.3	846.7	845.7	1.0
14770.000	328.	2946.	.4	846.7	845.7	1.0
15360.000	171.	1127.	.9	846.8	845.9	1.0
15410.000	178.	1119.	.9	846.8	845.8	1.0
15510.000	152.	920.	1.1	847.6	846.6	1.0
15610.000	94.	614.	1.7	847.7	846.7	1.0
15760.000	68.	348.	2.9	847.8	846.9	.9
16009.000	25.	102.	10.0	849.2	849.1	.1
16059.000	69.	248.	4.1	851.4	850.6	.8
16101.000	80.	438.	2.3	855.1	854.3	.8
16151.000	74.	479.	2.3	855.2	854.4	.8

THIS RUN EXECUTED 12 JUL 77 07,59

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY-- 100 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,TRIBUTARY 6
 T3 FEB 1977 DLO

STREETS FLOODWAY

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FG
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	762.270	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	LOW	CHNIM	ITRACE
	1.000	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	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
GT	4.000	1400.000	1400.000	1400.000	1400.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	0.000	16.000	500.000	524.000	0.000	0.000	0.000	1.900	-2.600	0.000
GR	775.000	250.000	771.600	300.000	767.900	350.000	762.600	400.000	762.000	450.000
GR	762.600	500.000	758.800	503.000	758.200	511.000	759.200	517.000	763.900	524.000
GR	762.400	550.000	762.900	600.000	763.400	650.000	764.600	700.000	765.800	750.000
GR	766.100	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	50.000	0.000	0.000	0.000	50.000	50.000	50.000	1.000	.300	0.000
X1	100.000	0.000	0.000	0.000	50.000	50.000	50.000	1.000	.300	0.000
X1	200.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	.700	0.000
X1	409.000	0.000	0.000	0.000	209.000	209.000	209.000	1.000	1.300	0.000
X1	459.000	25.000	500.000	516.000	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	764.600	764.600	0.000
GR	770.000	320.000	767.900	350.000	762.600	400.000	762.000	450.000	762.600	500.000
GR	761.600	500.000	759.300	500.700	758.600	503.000	759.300	505.300	761.600	506.000
GR	761.600	509.500	759.300	510.200	758.300	512.500	759.300	514.800	761.600	515.500
GR	762.500	516.000	762.400	526.000	762.400	550.000	762.900	600.000	763.400	650.000

BT	700.000	807,200	807,200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	808,300	350,000	799,800	400,000	797,800	450,000	796,700	500,000	796,700	500,000
GR	795,800	500,700	795,100	503,000	795,800	505,300	798,100	506,000	798,100	506,000
GR	798,200	550,000	799,600	600,000	801,700	650,000	807,200	700,000	0.000	0.000
X1	6754,000	19,000	500,000	511,000	50,000	50,000	50,000	0.000	0.000	0.000
GR	807,300	300,000	803,100	350,000	799,800	400,000	797,800	450,000	797,500	500,000
GR	796,100	503,000	795,300	505,000	796,000	507,000	797,200	511,000	798,200	550,000
GR	799,600	600,000	801,700	650,000	807,000	700,000	808,600	729,000	810,600	750,000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*SECNO ,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
0.00	6.67	762,27	0.00	762,27	762,44	.17	0.00	0.00	760.00	
1400.	445.	591.	364.	281.	124.	287.	0.	0.	761.30	
0.00	1.58	4.78	1.27	.120	.060	.120	0.000	755.60	378.58	
.004983	0.	0.	0.	0	0	0	0.00	332.67	711.25	

*SECNO 50,000

50.00	6.62	762,52	0.00	0.00	762,70	.18	.26	.00	760.30	
1400.	443.	600.	357.	275.	123.	277.	1.	0.	761.60	
.00	1.61	4.90	1.29	.120	.060	.120	.059	755.90	379.06	
.005301	50.	50.	50.	0	0	0	0.00	330.07	709.13	

*SECNO 100,000

100.00	6.59	762,79	0.00	0.00	762,97	.19	.27	.00	760.60	
1400.	441.	607.	352.	270.	122.	270.	2.	1.	761.90	
.01	1.63	5.00	1.30	.120	.060	.120	.059	756.20	379.45	
.005577	50.	50.	50.	0	0	0	0.00	327.96	707.41	

*SECNO 200,000

200.00	6.47	763,37	0.00	0.00	763,58	.21	.60	.01	761.30	
1400.	437.	627.	336.	257.	119.	250.	3.	2.	762.60	
.02	1.70	5.27	1.34	.120	.060	.120	.059	756.90	380.49	
.006400	100.	100.	100.	2	0	0	0.00	322.35	702.84	

*SECNO 409,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
409.00	6.49	764,69	0.00	0.00	764,90	.21	1.32	.00	762.60	
1400.	438.	623.	339.	260.	119.	254.	6.	3.	763.90	
.04	1.69	5.21	1.34	.120	.060	.120	.059	758.20	380.27	
.006212	209.	209.	209.	2	0	0	0.00	323.55	703.82	

*SECNO 459,000

459.00	6.82	765,12	0.00	0.00	765,20	.09	.28	.02	762.60	
1400.	523.	333.	544.	312.	84.	375.	7.	3.	762.50	
.04	1.68	3.95	1.45	.120	.060	.120	.059	758.30	376.25	
.005012	50.	50.	50.	2	0	0	0.00	345.31	721.56	

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY-- FLOODWAY COMPUTATIONS
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,TRIBUTARY 6
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	0.	0.	0,000000	0,00	0,0	0.	763,270	0,000
J2	NPROF	IPL0T	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	0,000

*SECNO 7,000
 2800 NAT Q1= 198,32 WSEL= 762,27 ENC Q1= 198,32 WSEL= 763,17 RATIO= 0,0000
 NAT Q1= 323, RATIOS LOB,CH,ROB= ,3300 ,3396 ,3305 WSEL= 763,17

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

3470 ENCROACHMENT STATIONS=	452,3	585,3	TYPE=	4	TARGET=	,385
0,00	7,67	763,27	0,00	762,27	763,52	,25
1400,	316,	764,	320,	170,	148,	187,
0,00	1,86	5,17	1,71	,120	,060	,120
,004610	0,	0,	0,	0	0	0,00
						0,00
						755,60
						132,99
						760,00
						0,
						761,30
						452,30
						585,29

*SECNO 50,000
 2800 NAT Q1= 192,29 WSEL= 762,52 ENC Q1= 192,29 WSEL= 763,42 RATIO= 0,0000
 NAT Q1= 315, RATIOS LOB,CH,ROB= ,3296 ,3431 ,3273 WSEL= 763,42

3470 ENCROACHMENT STATIONS=	453,0	583,3	TYPE=	4	TARGET=	,389
50,00	7,60	763,50	0,00	762,52	763,77	,27
1400,	312,	779,	309,	163,	146,	176,
,00	1,91	5,34	1,75	,120	,060	,120
,004987	50,	50,	50,	2	0	0,00
						0,00
						755,90
						130,24
						760,30
						0,
						761,60
						453,05
						583,29

*SECNO 100,000
 2800 NAT Q1= 187,47 WSEL= 762,79 ENC Q1= 187,47 WSEL= 763,69 RATIO= 0,0000
 NAT Q1= 310, RATIOS LOB,CH,ROB= ,3293 ,3456 ,3250 WSEL= 763,69

3470 ENCROACHMENT STAT,ONS=	453,9	581,4	TYPE=	4	TARGET=	,395
100,00	7,54	763,74	0,00	762,79	764,03	,29
1400,	307,	794,	299,	158,	145,	167,
,01	1,95	5,49	1,79	,120	,060	,120
,005327	50,	50,	50,	2	0	0,00
						0,00
						756,20
						127,47
						760,60
						0,
						761,90
						453,92
						581,39

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO

SUMMARY PRINTOUT

SECNO	CHSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
0.000	762.27	332.67	444.55	891.34	364.11	0.00	500.00	524.00	0.00
0.000	763.27	132.99	315.52	764.27	320.21	452.30	500.00	524.00	585.29
50.000	762.52	330.07	442.85	599.89	357.25	0.00	500.00	524.00	0.00
50.000	763.50	130.24	311.63	779.43	308.94	453.05	500.00	524.00	583.29
100.000	762.79	327.96	441.40	607.03	351.57	0.00	500.00	524.00	0.00
100.000	763.74	127.47	307.18	793.74	299.09	453.92	500.00	524.00	581.39
200.000	763.37	322.35	437.16	626.98	335.85	0.00	500.00	524.00	0.00
200.000	764.29	122.31	300.46	825.36	274.18	455.07	500.00	524.00	577.38
409.000	764.69	323.55	438.11	622.60	339.29	0.00	500.00	524.00	0.00
409.000	765.60	123.46	301.12	820.76	278.11	454.80	500.00	524.00	578.27
459.000	765.12	345.31	523.14	332.93	543.93	0.00	500.00	516.00	0.00
459.000	766.11	150.43	400.55	429.40	570.04	448.39	500.00	516.00	598.82
501.000	769.04	498.36	484.99	162.09	752.93	0.00	500.00	516.00	0.00
501.000	770.03	298.67	422.52	188.21	789.27	411.65	500.00	516.00	710.32
551.000	769.03	198.29	65.40	535.45	799.15	0.00	500.00	524.00	0.00
551.000	770.02	99.83	0.00	584.91	815.09	500.00	500.00	524.00	599.83
900.000	769.34	211.58	416.97	541.37	441.67	0.00	500.00	523.00	0.00
900.000	770.33	126.51	362.19	647.21	390.59	450.08	500.00	523.00	576.58
1770.000	771.23	200.48	245.26	715.90	438.84	0.00	500.00	523.00	0.00
1770.000	772.07	79.10	97.88	932.11	370.00	484.77	500.00	523.00	563.87
3480.000	781.15	158.51	419.90	642.66	287.44	0.00	500.00	518.00	0.00
3480.000	782.16	72.12	381.84	823.38	144.78	462.08	500.00	518.00	534.20
6606.000	800.28	223.47	466.81	400.09	233.10	0.00	500.00	514.00	0.00
6606.000	801.26	70.31	437.34	536.33	126.33	462.12	500.00	514.00	532.43
6656.000	800.79	224.01	353.20	188.07	558.73	0.00	500.00	506.00	0.00
6656.000	801.76	75.88	240.64	260.87	598.49	477.53	500.00	506.00	553.41

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
6704,000	805,80	322,60	503,44	68,29	528,27	0,00	500,00	506,00	0,00
6704,000	806,77	200,50	486,42	79,99	533,59	415,56	500,00	506,00	616,06
6754,000	805,80	370,90	497,58	124,82	477,60	0,00	500,00	511,00	0,00
6754,000	806,77	211,04	498,36	146,12	455,51	399,08	500,00	511,00	610,12

SUMMARY OF ERRORS

Stream No 18

FLOODWAY DATA, FEB 1977
 PROFILE NO. 2

DLQ

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
0,000	133.	504.	2.8	763.3	762.3	1.0
50,000	130.	486.	2.9	763.5	762.5	1.0
100,000	127.	470.	3.0	763.8	762.8	1.0
200,000	122.	435.	3.2	764.3	763.4	.9
A 409,000	123.	439.	3.2	765.6	764.7	.9
459,000	150.	593.	2.4	766.1	765.1	1.0
501,000	299.	2178.	.6	770.0	769.0	1.0
551,000	100.	835.	1.7	770.0	769.0	1.0
900,000	127.	801.	1.7	770.3	769.3	1.0
1770,000	79.	347.	4.0	772.0	771.2	.8
B 3480,000	72.	363.	3.7	782.2	781.2	1.0
C 6606,000	70.	317.	3.5	801.3	800.3	1.0
6656,000	76.	282.	3.9	801.8	800.8	1.0
6704,000	200.	1709.	.6	806.8	805.8	1.0
6754,000	211.	1794.	.6	806.8	805.8	1.0

STREAM No. 6 FLOODWAY

SUMMARY PRINTOUT

APR 1977 DLO

SECNO	CWSEL	TOPWID	QLOR	QCH	QROR	STENCL	STCHL	STCHR	STENCH
7650.00	799.34	354.53	264.06	1490.51	695.41	0.00	315.00	370.00	0.00
7650.00	800.30	107.12	0.00	1860.25	589.75	315.00	315.00	370.00	422.12
7700.00	799.62	374.00	276.88	1443.91	729.21	0.00	315.00	370.00	0.00
7700.00	800.61	117.66	0.00	1774.75	675.25	315.00	315.00	370.00	432.66
7800.00	800.02	400.36	294.29	1380.64	775.06	0.00	315.00	370.00	0.00
7800.00	801.04	133.33	0.00	1663.64	786.36	315.00	315.00	370.00	448.33
8500.00	802.64	198.16	387.16	1395.26	217.58	0.00	520.00	580.00	0.00
8500.00	803.57	77.14	168.47	1831.52	0.00	502.86	520.00	580.00	580.00
8940.00	805.43	110.95	0.00	1110.71	209.29	0.00	1000.00	1055.00	0.00
8940.00	806.36	51.33	0.00	1320.00	0.00	1000.00	1000.00	1055.00	1055.00
9755.00	809.88	69.75	0.00	1284.36	35.62	0.00	1000.00	1049.00	0.00
9755.00	810.53	46.86	0.00	1320.00	0.00	1000.00	1000.00	1049.00	1049.00
9805.00	810.34	190.86	.53	444.58	874.89	0.00	1000.00	1013.00	0.00
9805.00	810.82	38.04	0.00	512.18	807.82	1000.00	1000.00	1013.00	1038.04
9875.00	811.72	350.76	237.54	319.24	763.23	0.00	1000.00	1013.00	0.00
9875.00	812.20	155.97	235.68	413.30	671.02	882.93	1000.00	1013.00	1038.90
9925.00	811.76	340.00	221.53	1072.63	25.84	0.00	1000.00	1041.00	0.00
9925.00	812.26	41.00	0.00	1320.00	0.00	1000.00	1000.00	1041.00	1041.00
10340.00	812.65	212.16	282.62	590.41	126.96	0.00	1000.00	1025.00	0.00
10340.00	813.42	80.41	261.24	735.69	3.06	945.70	1000.00	1025.00	1026.11
11125.00	814.22	219.79	617.37	282.10	100.53	0.00	1000.00	1012.00	0.00
11125.00	815.19	60.72	633.55	366.45	0.00	951.28	1000.00	1012.00	1012.00
11910.00	818.31	204.31	610.28	303.05	86.66	0.00	1000.00	1012.00	0.00
11910.00	819.31	65.97	645.54	354.46	0.00	946.03	1000.00	1012.00	1012.00
12700.00	822.94	210.55	613.36	204.24	92.41	0.00	1000.00	1012.00	0.00
12700.00	823.95	53.28	598.51	401.09	0.00	958.72	1000.00	1012.00	1012.00

FLOODWAY DATA, APR 1977
 PROFILE NO. 2

ULO

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
7650.000	107.	986.	4.2	800.5	799.3	1.0
7700.000	118.	665.	3.7	800.6	799.6	1.0
7800.000	133.	789.	3.1	801.0	800.0	1.0
8500.000	77.	400.	5.0	803.6	802.6	.9
8940.000	51.	254.	5.2	806.4	805.4	.9
9755.000	47.	299.	4.4	810.5	809.9	.7
9805.000	38.	308.	4.3	810.8	810.3	.5
9875.000	156.	574.	2.3	812.2	811.7	.5
9925.000	41.	280.	4.7	812.3	811.8	.5
10340.000	80.	451.	2.2	813.4	812.7	.8
11125.000	61.	329.	3.0	815.2	814.2	1.0
11910.000	66.	333.	3.0	819.3	818.3	1.0
12705.000	53.	289.	3.5	823.9	822.9	1.0

T1 GUILFORD COUNTY FIA STUDY-- 100 YR FLOOD
T2 FIA STUDY-DEEP RIVER,H.FORK DEEP RIVER,HIATT BRANCH
T3 APR 1977 DLQ

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	.005000	0.00	0.0	0.	798.050	0.000
J2	NPROF	IPLOT	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	0.000
J3	-2.000	1.000	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
J3	0.000	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J4	-1.000	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	5.000	1290.000	2020.000	2450.000	4400.000	2450.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
X1	7650.000	15.000	315.000	370.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	50.000	815.000	100.000	810.000	150.000	805.000	190.000
GR	800.000	220.000	795.000	315.000	794.000	325.000	794.000	360.000	795.000	370.000
GR	800.000	620.000	805.000	670.000	810.000	720.000	815.000	770.000	825.000	880.000
X1	7700.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
X1	7800.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
QT	5.000	970.000	1600.000	2600.000	3600.000	2000.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
X1	8500.000	10.000	520.000	580.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	90.000	815.000	170.000	810.000	270.000	805.000	390.000
GR	800.000	470.000	799.000	520.000	794.000	530.000	794.000	570.000	799.000	580.000
GR	800.000	610.000	805.000	640.000	810.000	660.000	815.000	690.000	820.000	710.000
GR	825.000	770.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	5.000	590.000	1030.000	1320.000	2450.000	1320.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	12.400	0.000	0.000	0.000	0.000
X1	8940.000	12.000	1000.000	1055.000	440.000	440.000	440.000	0.000	0.000	0.000
GR	830.000	300.000	820.000	500.000	810.100	700.000	809.900	800.000	809.300	900.000
GR	808.200	1000.000	800.700	1015.000	800.700	1050.000	802.600	1055.000	803.600	1100.000
GR	814.700	1200.000	821.400	1250.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000
X1	9755.000	13.000	1000.000	1049.000	865.000	865.000	865.000	0.000	0.000	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	800.000
GR	810.300	900.000	811.600	1000.000	802.100	1019.000	802.300	1040.000	806.900	1049.000
GR	813.200	1100.000	826.900	1200.000	831.900	1250.000	0.000	0.000	0.000	0.000
X1	9805.000	25.000	1000.000	1013.000	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	803.900	803.900	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	800.000
GR	810.300	900.000	810.600	1000.000	801.400	1000.000	799.500	1000.550	794.900	1002.500
GR	799.500	1004.450	801.400	1005.000	810.600	1005.000	810.600	1006.000	801.400	1008.000

GR	799.500	1000.550	798.900	1010.500	799.500	1012.450	801.400	1013.000	801.400	1013.000
GR	813.200	1100.000	826.900	1200.000	834.900	1250.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	7.880	0.000	39.400	0.000	0.000	0.000
X1	9875.000	0.000	0.000	0.000	70.000	70.000	70.000	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	810.600	810.600	0.000
BT	23.000	400.000	823.900	0.000	500.000	819.300	0.000	600.000	815.800	0.000
BT	700.000	812.600	0.000	800.000	810.300	0.000	900.000	810.300	0.000	1000.000
BT	810.600	0.000	1000.000	810.600	801.400	1000.550	810.600	803.400	1002.500	810.600
BT	803.900	1004.450	810.600	803.400	1005.000	810.600	801.400	1005.000	810.600	0.000
BT	1008.000	810.600	0.000	1008.000	810.600	801.400	1008.550	810.600	803.400	1010.500
BT	810.600	803.900	1012.450	810.600	803.400	1013.000	810.600	801.400	1013.000	810.600
BT	0.000	1100.000	813.200	0.000	1200.000	826.900	0.000	1250.000	834.900	0.000

X1	9925.000	13.000	1000.000	1041.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	800.000
GR	810.300	900.000	811.000	1000.000	802.500	1018.000	802.300	1028.000	809.600	1041.000
GR	813.200	1100.000	826.900	1200.000	834.900	1250.000	0.000	0.000	0.000	0.000
OT	5.000	380.000	800.000	1000.000	1800.000	1000.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000

X1	10340.000	11.000	1000.000	1025.000	415.000	415.000	415.000	0.000	0.000	0.000
GR	828.700	650.000	824.600	700.000	817.300	800.000	810.600	900.000	808.600	1000.000
GR	803.500	1012.000	803.100	1020.000	807.000	1025.000	812.400	1075.000	814.500	1130.000
GR	833.400	1200.000	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	11.400	0.000	0.000	0.000	0.000

X1	11125.000	12.000	1000.000	1012.000	785.000	785.000	785.000	1.000	-8.900	0.000
GR	831.100	600.000	828.100	700.000	824.700	800.000	821.700	900.000	818.000	1000.000
GR	816.400	1002.000	816.400	1007.000	822.100	1012.000	820.400	1030.000	824.900	1100.000
GR	828.100	1200.000	832.100	1300.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.400	0.000	0.000	0.000	0.000

X1	11910.000	0.000	0.000	0.000	785.000	785.000	785.000	1.000	4.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	12.400	0.000	0.000	0.000	0.000

X1	12700.000	0.000	0.000	0.000	790.000	790.000	790.000	1.000	4.500	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SPECIAL BRIDGE

50% VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RULEN	BWC	BWP	BARBA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	7.88	0.00	39.40	0.00	798.90	798.90

 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,50
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOODWAY
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,HIATT BRANCH
 T3 APR 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	6.	0.	0.	0,000000	0,00	0.0	0.	900,300	0,000
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	TRW	CHNIN	ITRACE
	15,000	0,000	-1,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SR NOT SPECIFIED:

SB	XK	XKOR	COFO	RDLEN	RWC	RWP	BARBA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	7.88	0.00	39.40	0.00	798.90	798.90

WATER EI=CHANGE FROM NATURAL PROFILES BRIDGE

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA--100 YR FLOOD
 T2 RICHLAND CR TRIP 3 [CR NO 33]
 T3 APR 77 EMF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	.006000	0.00	0.0	0.	780.700	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	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	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	4.000	780.000	1290.000	1590.000	2390.000	1590.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
X1	350.000	15.000	1000.000	1028.000	0.000	0.000	0.000	1.000	-1.000	0.000
GR	800.000	490.000	790.000	760.000	788.000	775.000	786.000	800.000	781.900	900.000
GR	779.900	1000.000	774.800	1007.000	773.600	1018.000	773.600	1023.000	779.400	1028.000
GR	778.800	1100.000	780.200	1147.000	785.100	1163.000	790.000	1180.000	800.000	1320.000
X1	480.000	0.000	0.000	0.000	130.000	130.000	130.000	1.000	1.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.400	0.000	0.000	0.000	0.000
Y1	1215.000	15.000	1000.000	1019.000	735.000	735.000	735.000	0.000	0.000	0.000
GR	810.000	775.000	802.500	900.000	792.800	950.000	782.700	1000.000	779.300	1003.000
GR	778.500	1017.000	783.500	1019.000	784.300	1100.000	784.100	1200.000	783.300	1300.000
GR	784.300	1400.000	783.600	1461.000	785.100	1471.000	790.900	1510.000	810.000	1640.000
X1	1265.000	16.000	1000.000	1013.000	50.000	50.000	50.000	0.000	.040	0.000
GR	810.000	775.000	802.500	900.000	792.800	950.000	782.700	1000.000	778.300	1003.000
GR	778.500	1012.000	783.500	1013.000	784.300	1100.000	784.100	1200.000	783.300	1300.000
GR	784.300	1400.000	783.600	1461.000	785.100	1471.000	790.900	1510.000	799.000	1565.000
GR	810.000	1640.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.500	3.000	0.000	13.000	0.000	113.000	0.000	778.900	778.700
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 EMF

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	OLOB	OCH	OROB	STENCL	STCHL	STCHR	STENCR
350.000	780.62	237.55	63.54	1047.95	478.51	0.00	1000.00	1028.00	0.00
350.000	781.60	70.82	0.00	1289.20	300.80	1000.00	1000.00	1028.00	1070.83
480.000	781.42	226.86	49.99	1088.11	451.90	0.00	1000.00	1028.00	0.00
480.000	782.41	62.98	0.00	1352.00	238.00	1000.00	1000.00	1028.00	1062.99
1215.000	785.70	489.93	23.15	607.89	958.96	0.00	1000.00	1019.00	0.00
1215.000	786.65	271.95	0.00	635.96	954.04	1000.00	1000.00	1019.00	1271.95
1265.000	785.98	492.76	27.89	386.62	1175.50	0.00	1000.00	1013.00	0.00
1265.000	786.90	292.97	0.00	387.79	1202.20	1000.00	1000.00	1013.00	1292.97
* 1295.000	787.20	504.56	128.05	1083.32	378.63	0.00	1000.00	1013.00	0.00
1295.000	788.12	35.64	0.00	1170.47	419.53	1000.00	1000.00	1013.00	1035.64
1310.000	788.44	173.79	22.97	1243.50	323.53	0.00	1000.00	1035.00	0.00
1310.000	789.39	58.46	0.00	1390.06	199.94	1000.00	1000.00	1035.00	1058.46
1450.000	788.78	154.40	17.01	1233.66	249.33	0.00	1000.00	1035.00	0.00
1450.000	789.72	46.88	0.00	1493.60	96.40	1000.00	1000.00	1035.00	1046.88
1550.000	789.86	186.99	602.18	746.14	151.68	0.00	1000.00	1021.00	0.00
1550.000	790.88	90.16	659.20	890.07	40.73	937.93	1000.00	1021.00	1028.10
1805.000	791.06	168.64	507.27	912.65	80.07	0.00	1000.00	1021.00	0.00
1805.000	791.98	62.92	507.34	1082.66	0.00	958.08	1000.00	1021.00	1021.00
2060.000	793.47	168.78	508.29	910.97	80.75	0.00	1000.00	1021.00	0.00
2060.000	794.46	62.80	510.74	1079.26	0.00	958.20	1000.00	1021.00	1021.00
2320.000	795.95	168.37	505.47	915.64	78.88	0.00	1000.00	1021.00	0.00
2320.000	796.93	62.16	504.11	1085.89	0.00	958.84	1000.00	1021.00	1021.00
2700.000	799.81	165.52	492.32	938.38	69.30	0.00	1000.00	1021.00	0.00
2700.000	800.79	59.10	470.48	1119.52	0.00	961.90	1000.00	1021.00	1021.00
3080.000	803.87	167.15	498.65	927.18	74.17	0.00	1000.00	1021.00	0.00
3080.000	804.86	60.83	488.88	1101.11	0.00	960.17	1000.00	1021.00	1021.00

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
3450.000	807.12	101.86	95.52	1339.26	65.22	0.00	1000.00	1034.00	0.00
3450.000	808.14	34.00	0.00	1590.00	0.00	1000.00	1000.00	1034.00	1034.00
* 3501.000	807.67	64.79	28.80	1442.76	28.44	0.00	1001.00	1019.50	0.00
* 3501.000	807.81	18.50	0.00	1590.00	0.00	1001.00	1001.00	1019.50	1019.50
3502.000	806.56	48.16	9.67	1475.20	15.12	0.00	1001.00	1019.50	0.00
3502.000	806.60	29.78	2.20	1580.00	7.80	997.40	1001.00	1019.50	1027.18
* 3618.000	808.40	45.67	10.61	1478.91	10.48	0.00	1001.00	1019.50	0.00
* 3618.000	808.40	45.67	11.25	1567.65	11.11	0.00	1001.00	1019.50	0.00
3619.000	812.67	111.03	87.88	1325.27	86.85	0.00	1001.00	1019.50	0.00
3619.000	813.46	123.87	112.76	1365.53	111.71	0.00	1001.00	1019.50	0.00
3650.000	813.12	73.41	52.05	1447.95	0.00	0.00	1000.00	1039.00	0.00
3650.000	813.87	84.60	89.13	1500.87	0.00	0.00	1000.00	1039.00	0.00
3720.000	813.78	198.59	500.93	978.96	20.12	0.00	1000.00	1032.00	0.00
3720.000	814.42	215.76	576.79	975.91	37.30	0.00	1000.00	1032.00	0.00

SUMMARY OF ERRORS

CAUTION SECNO= 1295.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1295.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1295.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3501.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3501.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3501.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3501.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3501.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3501.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3618.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3618.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3618.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3618.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3618.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA, 7 EMF
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
350.000	71.	349.	4.6	751.6	780.6	1.0
480.000	63.	310.	5.1	782.4	721.4	1.0
1215.000	272.	818.	1.9	786.7	785.7	1.0
1265.000	293.	915.	1.7	786.9	786.0	.9
1295.000	36.	211.	7.5	788.1	787.2	.9
1310.000	58.	431.	3.7	789.6	788.4	1.0
1450.000	47.	342.	4.6	789.7	788.8	.9
1550.000	90.	527.	3.0	790.9	789.9	1.0
1805.000	63.	319.	5.0	792.0	791.1	.9
2060.000	63.	323.	4.9	794.5	793.5	1.0
2320.000	62.	318.	5.0	796.9	795.9	1.0
2700.000	59.	298.	5.3	800.8	799.8	1.0
3080.000	61.	309.	5.2	804.9	803.9	1.0
3450.000	34.	235.	6.8	808.1	807.1	1.0
3501.000	19.	113.	14.1	807.8	807.7	.1
3502.000	30.	97.	16.4	806.6	806.6	0.0
3618.000	46.	111.	14.3	808.4	808.4	0.0
3619.000	124.	536.	3.0	813.5	812.7	.8
3650.000	85.	349.	4.6	813.8	813.1	.7
3720.000	216.	854.	1.9	814.4	813.8	.6

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD CO FIA 100 YR NATURAL
 T2 MILE BRANCH (CR NO 34A) FLOODWAY DETERMINATION
 T3 MAR 77 EMF

J1	ICHECK	INO	NINV	IDYR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	702,260	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSFCH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	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	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	4.000	2090.000	2090.000	2090.000	2090.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	8.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	360.000	10.000	1000.000	1015.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	727.700	000.000	713.600	900.000	701.200	975.000	698.700	1000.000	693.600	1003.000
GR	693.500	1012.000	698.800	1015.000	699.000	1100.000	701.000	1200.000	730.000	1950.000
X1	2320.000	11.000	1000.000	1016.000	1960.000	1960.000	1960.000	0.000	0.000	0.000
GR	731.000	000.000	721.000	700.000	712.300	800.000	710.700	900.000	711.300	1000.000
GR	709.800	1004.000	709.500	1014.000	711.300	1016.000	711.500	1025.000	725.000	1100.000
GR	738.500	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	4.000	1570.000	1570.000	1570.000	1570.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	8.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	5660.000	10.000	1000.000	1018.000	3340.000	3340.000	3340.000	0.000	0.000	0.000
GR	764.000	870.000	760.500	900.000	751.400	950.000	737.100	1000.000	734.000	1002.000
GR	734.200	1014.000	735.200	1018.000	745.700	1100.000	753.900	1175.000	760.000	1200.000
NC	.120	.120	.060	.500	1.000	0.000	0.000	0.000	0.000	0.000
FT	0.000	0.000	3.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	5709.000	13.000	1000.000	1033.000	49.000	49.000	49.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	745.800	745.800	0.000
GR	764.000	800.000	760.500	900.000	751.400	950.000	749.800	955.000	737.000	1000.000
GR	734.900	1001.000	733.700	1016.000	733.800	1032.000	737.000	1033.000	745.500	1100.000
GR	753.000	1170.000	753.900	1175.000	760.000	1200.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 EMF

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
360.000	702.26	264.00	115.33	802.20	1172.47	0.00	1000.00	1015.00	0.00
360.000	703.26	111.33	0.00	864.34	1225.66	1000.00	1000.00	1015.00	1111.33
2320.000	714.94	274.40	1592.85	391.27	105.88	0.00	1000.00	1016.00	0.00
2320.000	715.88	153.50	1649.19	440.81	0.00	862.50	1000.00	1016.00	1016.00
5660.000	740.58	72.16	49.21	1161.99	358.79	0.00	1000.00	1018.00	0.00
5660.000	741.51	29.18	0.00	1309.46	260.54	1000.00	1000.00	1018.00	1029.18
5709.000	742.10	33.00	0.00	1570.00	0.00	0.00	1000.00	1033.00	0.00
5709.000	743.35	33.00	0.00	1570.00	0.00	1000.00	1000.00	1033.00	1033.00
5710.000	742.67	97.67	189.91	945.44	434.66	0.00	1000.00	1033.00	0.00
5710.000	743.62	61.69	74.81	1234.41	260.77	992.50	1000.00	1033.00	1054.18
5730.000	742.69	97.89	190.54	943.36	436.10	0.00	1000.00	1033.00	0.00
5730.000	743.65	61.66	74.36	1234.38	261.26	992.53	1000.00	1033.00	1054.20
5731.000	742.70	33.00	0.00	1570.00	0.00	0.00	1000.00	1033.00	0.00
5731.000	743.65	33.00	0.00	1570.00	0.00	1000.00	1000.00	1033.00	1033.00
5740.000	743.03	101.75	73.37	1328.70	167.93	0.00	1000.00	1033.00	0.00
5740.000	743.95	112.31	87.82	1281.17	261.01	0.00	1000.00	1033.00	0.00

SUMMARY OF ERRORS

FLOODWAY DATA, 7 EMF
PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
360.000	111.	548.	3.8	703.3	702.3	1.0
2320.000	154.	765.	2.7	715.8	714.9	.9
5660.000	29.	191.	8.2	741.5	740.6	.9
5709.000	33.	305.	5.2	743.3	742.1	1.2
5710.000	62.	409.	3.8	743.7	742.7	1.0
5730.000	62.	410.	3.8	743.7	742.7	1.0
5731.000	33.	315.	5.0	743.7	742.7	1.0
5740.000	112.	601.	2.6	743.9	743.0	.9

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,HIATT BRANCH,HORNEY BRANCH
 T3 APR 1977 DLO

J1	TCHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEC	FQ
	-1.	4.	0.	0.	.002000	0.00	0.0	0.	805.600	0.000
J2	NPROF	IPLUT	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	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	5.000	630.000	1095.000	1365.000	2500.000	1365.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	10.400	0.000	0.000	0.000	0.000
X1	64.000	14.000	450.000	470.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	140.000	815.000	200.000	810.000	250.000	805.000	350.000
GR	800.000	450.000	796.800	452.000	796.800	468.000	800.000	470.000	805.000	550.000
GR	810.000	580.000	815.000	620.000	820.000	650.000	825.000	700.000	0.000	0.000
X1	114.000	19.000	1000.000	1012.000	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	801.800	801.800	0.000
GR	820.000	700.000	810.000	800.000	805.000	900.000	800.000	1000.000	799.300	1000.000
GR	797.400	1000.500	796.800	1002.500	797.400	1004.500	799.300	1005.000	799.300	1007.000
GR	797.400	1007.500	796.800	1009.500	797.400	1011.500	799.300	1012.000	800.000	1012.000
GR	805.000	1100.000	820.000	1200.000	830.000	1300.000	840.000	1400.000	0.000	0.000
SB	.900	1.500	2.500	0.000	7.880	0.000	39.400	0.000	0.000	0.000
X1	206.000	0.000	0.000	0.000	92.000	92.000	92.000	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	809.300	809.300	0.000
BT	19.000	700.000	820.000	0.000	800.000	811.400	0.000	900.000	810.200	0.000
BT	1000.000	809.300	0.000	1000.000	809.300	799.300	1000.500	809.300	801.200	1002.500
BT	809.300	801.800	1004.500	809.300	801.200	1005.000	809.300	799.300	1007.000	809.300
BT	799.300	1007.500	809.300	801.200	1009.500	809.300	801.800	1011.500	809.300	801.200
BT	1012.000	809.300	799.300	1012.000	809.300	0.000	1100.000	809.100	0.000	1200.000
BT	820.000	0.000	1300.000	830.000	0.000	1400.000	840.000	0.000	0.000	0.000
X1	256.000	14.000	450.000	470.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	140.000	815.000	200.000	810.000	250.000	805.000	350.000

GR	800.000	450.000	796.800	452.000	796.800	468.000	800.000	470.000	805.000	550.000
GR	810.000	580.000	815.000	620.000	820.000	650.000	825.000	700.000	0.000	0.000
X1	460.000	13.000	964.000	1000.000	204.000	204.000	204.000	0.000	0.000	0.000
GR	819.800	700.000	817.700	740.000	809.700	800.000	802.800	900.000	802.000	960.000
GR	803.600	964.000	800.600	984.000	809.400	1000.000	809.500	1036.000	808.000	1046.000
GR	809.400	1055.000	811.100	1088.000	827.500	1200.000	0.000	0.000	0.000	0.000
X1	711.000	0.000	0.000	0.000	251.000	251.000	251.000	1.000	1.600	0.000
GT	5.000	620.000	1005.000	1270.000	2250.000	1270.000	0.000	0.000	0.000	0.000
X1	837.000	16.000	1000.000	1019.000	126.000	126.000	126.000	1.000	-4.600	0.000
GR	833.400	750.000	830.500	800.000	819.700	900.000	813.000	985.000	810.500	1000.000
GR	807.200	1007.000	807.100	1013.000	809.500	1019.000	812.100	1029.000	812.700	1055.000
GR	810.700	1061.000	812.700	1066.000	812.800	1100.000	814.400	1129.000	829.000	1200.000
GR	837.900	1300.000	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	5.400	0.000	0.000	0.000	0.000
X1	1063.000	0.000	0.000	0.000	226.000	226.000	226.000	1.000	1.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	20.400	0.000	0.000	0.000	0.000
X1	1592.000	0.000	0.000	0.000	529.000	529.000	529.000	1.000	3.100	0.000
NC	.120	.120	.015	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	10.400	0.000	0.000	0.000	0.000
X1	1742.000	31.000	1003.000	1017.000	150.000	150.000	150.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	813.600	813.600	0.000
GR	830.500	800.000	819.700	900.000	810.500	1000.000	810.600	1003.000	810.600	1003.000
GR	809.700	1003.100	809.200	1003.500	808.900	1004.000	808.700	1005.000	808.600	1006.000
GR	808.700	1007.000	808.900	1008.000	809.200	1008.500	809.700	1008.900	810.600	1009.000
GR	810.600	1011.000	809.700	1011.100	809.200	1011.500	808.900	1012.000	808.700	1013.000
GR	808.600	1014.000	808.700	1015.000	808.900	1016.000	809.200	1016.500	809.700	1016.900
GR	810.600	1017.000	810.600	1017.000	812.100	1035.000	812.800	1100.000	829.000	1200.000
GR	837.900	1300.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	.900	1.500	2.500	0.000	7.580	0.190	47.900	0.000	0.000	0.000
X1	1778.000	0.000	0.000	0.000	36.000	36.000	36.000	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	814.400	814.400	0.000
ET	31.000	300.000	831.200	0.000	900.000	821.300	0.000	1000.000	815.400	0.000
ET	1003.000	815.400	0.000	1003.000	815.400	810.600	1003.100	815.400	811.500	1003.500
ET	815.400	812.300	1004.000	815.400	812.800	1005.000	815.400	813.400	1006.000	815.400
ET	813.600	1007.000	815.400	813.400	1008.000	815.400	812.800	1008.500	815.400	812.300
ET	1008.900	815.400	811.500	1009.000	815.400	810.600	1011.000	815.400	810.600	1011.100
ET	815.400	811.500	1011.500	815.400	812.300	1012.000	815.400	812.800	1013.000	815.400
ET	813.400	1014.000	815.400	813.600	1015.000	815.400	813.400	1016.000	815.400	812.800
ET	1016.500	815.400	812.300	1016.900	815.400	811.500	1017.000	815.400	810.600	1017.000
ET	815.400	0.000	1035.000	814.300	0.000	1100.000	814.400	0.000	1200.000	829.000
ET	0.000	1300.000	837.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	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	10.400	0.000	0.000	0.000	0.000
X1	1828.000	10.000	1000.000	1028.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	833.400	750.000	830.500	800.000	819.700	900.000	814.800	1000.000	809.300	1010.000
GR	809.500	1022.000	813.900	1028.000	814.400	1129.000	829.000	1200.000	837.400	1300.000
ET	0.000	0.000	0.000	0.000	0.000	5.400	0.000	0.000	0.000	0.000

X1	2448.000	0.000	0.000	0.000	620.000	620.000	620.000	1.000	5.600	0.000
OT	5.000	450.000	830.000	1050.000	1950.000	1050.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	11.400	0.000	0.000	0.000	0.000

X1	2758.000	0.000	0.000	0.000	310.000	310.000	310.000	1.000	2.800	0.000
ET	0.000	0.000	0.000	0.000	0.000	13.400	0.000	0.000	0.000	0.000

X1	3068.000	9.000	1000.000	1035.000	310.000	310.000	310.000	1.000	-5.700	0.000
GR	852.600	800.000	836.600	900.000	830.700	1000.000	826.200	1002.000	826.300	1012.000
GR	827.900	1014.000	832.700	1035.000	833.400	1100.000	844.800	1200.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	71.400	0.000	0.000	0.000	0.000

X1	3689.000	0.000	0.000	0.000	621.000	621.000	621.000	1.000	5.700	0.000
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X1	3739.000	10.000	1000.000	1006.000	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	834.100	834.100	0.000
GR	856.500	715.000	850.000	800.000	836.600	900.000	830.700	1000.000	826.200	1000.000
GR	826.200	1006.000	827.900	1006.000	832.700	1035.000	833.400	1100.000	844.800	1200.000
SA	.900	1.500	2.500	0.000	5.000	0.000	47.400	0.000	0.000	0.000

X1	3781.000	0.000	0.000	0.000	42.000	42.000	42.000	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	838.500	838.500	0.000
BT	10.000	715.000	856.500	0.000	800.000	850.000	0.000	900.000	842.800	0.000
BT	1000.000	836.500	0.000	1000.000	838.500	834.100	1006.000	838.500	834.100	1006.000
BT	838.500	0.000	1035.000	838.700	0.000	1100.000	839.600	0.000	1200.000	845.400
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3831.000	8.000	1000.000	1037.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	852.600	800.000	836.600	900.000	833.100	1000.000	827.900	1006.000	828.100	1015.000
GR	833.400	1037.000	833.400	1100.000	844.800	1200.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION - 50,51,52

T1 GUILFPRD COUNTY FIA STUDY--100 YR FLOODWAY
T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,HIATT BRANCH,HORNEY BRANCH
T3 APR 1977 DLQ

J1	TCHECK	INO	NINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	806.600	0.000
J2	NPROF	IPLT	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	0.000

ERROR STATEMENT APPLIES TO SECTION

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

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

APR 1977 DLQ

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STOHL	STCHR	STENCR
64.000	805.60	215.60	367.45	704.18	293.37	0.00	450.00	470.00	0.00
64.000	806.60	73.27	319.55	858.93	186.51	416.44	450.00	470.00	489.71
114.000	805.78	220.83	514.03	400.00	450.97	0.00	1000.00	1012.00	0.00
114.000	806.80	82.83	495.16	489.28	380.56	959.75	1000.00	1012.00	1042.58
206.000	810.76	346.19	654.29	200.76	509.96	0.00	1000.00	1012.00	0.00
206.000	811.78	189.65	665.88	226.67	472.45	893.86	1000.00	1012.00	1083.51
256.000	810.77	343.83	570.23	389.03	405.74	0.00	450.00	470.00	0.00
256.000	811.79	183.93	571.67	436.97	356.36	347.57	450.00	470.00	531.51
460.000	810.80	290.38	852.34	478.68	33.98	0.00	964.00	1000.00	0.00
460.000	811.82	115.09	779.75	585.25	0.00	884.90	964.00	1000.00	1000.00
711.000	810.94	212.10	856.00	505.67	3.33	0.00	964.00	1000.00	0.00
711.000	811.95	101.11	737.72	627.28	0.00	898.89	964.00	1000.00	1000.00
837.000	811.02	183.15	126.15	679.67	464.18	0.00	1000.00	1019.00	0.00
837.000	812.04	71.04	0.00	789.41	480.59	1000.00	1000.00	1019.00	1071.04
1063.000	811.72	174.45	112.51	735.03	422.47	0.00	1000.00	1019.00	0.00
1063.000	812.74	90.91	11.69	795.39	462.91	997.73	1000.00	1019.00	1089.64
1592.000	814.29	169.11	97.33	806.21	366.46	0.00	1000.00	1019.00	0.00
1592.000	815.13	19.48	0.00	1267.58	2.41	1000.00	1000.00	1019.00	1019.48
* 1742.000	814.72	157.73	110.54	927.10	232.36	0.00	1003.00	1017.00	0.00
* 1742.000	815.28	22.17	0.00	1215.80	54.20	1003.00	1003.00	1017.00	1025.17
1778.000	815.85	177.04	134.19	843.00	292.81	0.00	1003.00	1017.00	0.00
1778.000	816.40	51.76	0.00	1040.76	229.24	1003.00	1003.00	1017.00	1054.76
1828.000	816.60	176.11	26.07	848.79	395.15	0.00	1000.00	1028.00	0.00
1828.000	817.60	51.06	0.00	1105.18	164.82	1000.00	1000.00	1028.00	1051.06
2448.000	821.09	148.52	3.58	1020.58	245.84	0.00	1000.00	1028.00	0.00
2448.000	822.06	41.43	0.00	1196.48	73.52	1000.00	1000.00	1028.00	1041.43

SECNO	CWSEL	TOPWID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
2758.000	824.38	160.91	9.54	773.42	267.04	0.00	1000.00	1028.00	0.00
2758.000	825.27	28.00	0.00	1050.00	0.00	1000.00	1000.00	1028.00	1028.00
3068.000	826.98	68.50	53.89	996.11	0.00	0.00	1000.00	1035.00	0.00
3068.000	828.01	35.00	0.00	1050.00	0.00	1000.00	1000.00	1035.00	1035.00
3689.000	833.72	154.25	102.56	913.10	34.34	0.00	1000.00	1035.00	0.00
3689.000	833.92	35.00	0.00	1050.00	0.00	1000.00	1000.00	1035.00	1035.00
3739.000	834.28	168.45	214.23	325.50	510.27	0.00	1000.00	1006.00	0.00
* 3739.000	835.30	8.05	0.00	966.91	83.09	1000.00	1000.00	1006.00	1008.05
3781.000	839.95	282.59	380.27	101.61	568.12	0.00	1000.00	1006.00	0.00
3781.000	840.97	59.66	151.19	246.28	652.53	987.06	1000.00	1006.00	1046.72
3831.000	839.95	278.46	246.27	510.44	293.30	0.00	1000.00	1037.00	0.00
3831.000	840.98	37.00	0.00	1050.00	0.00	1000.00	1000.00	1037.00	1037.00

SUMMARY OF ERRORS

CAUTION SECNO= 1742,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1742,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1742,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742,000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 3739,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3739,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3739,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3739,000 PROFILE= 2 SLOPE TOO STEEP

Horney Branch (Stream No 9)
 FLOODWAY DATA, APR 1977 DLQ
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
64,000	73.	501.	2.7	806.6	805.6	1.0
114,000	83.	524.	2.6	806.8	805.8	1.0
A 206,000	190.	1836.	.7	811.8	810.8	1.0
256,000	184.	1846.	.7	811.8	810.8	1.0
B 460,000	115.	1034.	1.3	811.8	810.8	1.0
711,000	101.	765.	1.8	811.9	810.9	1.0
837,000	71.	403.	3.1	812.0	811.0	1.0
1063,000	91.	441.	2.9	812.7	811.7	1.0
1592,000	19.	141.	9.0	815.1	814.3	.8
1742,000	22.	121.	10.5	815.3	814.7	.6
1778,000	52.	275.	4.6	816.4	815.8	.6
C 1828,000	51.	275.	4.6	817.6	816.6	1.0
2448,000	41.	193.	6.6	822.1	821.1	1.0
2758,000	28.	171.	6.1	825.3	824.4	.9
3068,000	35.	170.	6.2	828.0	827.0	1.0
3689,000	35.	177.	5.9	833.9	833.7	.2
3739,000	8.	69.	15.1	835.3	834.3	1.0
3721,000	60.	622.	1.7	841.0	840.0	1.0
D 3831,000	37.50	405.	2.6	841.0	840.0	1.0

 HEC2 RELEASE DATED NOV 76 (UPDATED) FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

STREAM 19

Boulding Br

T1 GUILFORD COUNTY FIA STUDY ***10 YEAR FREQUENCY FLOOD EVENT***
 T2 FIA STUDY-DEEP RIVER,N,FORK DEEP RIVER,BOULDING BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	O	WSFL	FO
	-1.	2.	0.	0.	.004000	0.00	0.0	0.	762.000	0.000
J2	NPROF	TPLOT	PREVS	XSECV	XSFCH	FN	ALLOC	IRW	CHNIM	ITRACE
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
DT	4.000	1560.000	2400.000	2770.000	4900.000	0.000	0.000	0.000	0.000	0.000
X1	400.000	18.000	500.000	535.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	781.800	300.000	775.000	350.000	768.100	400.000	762.600	450.000	761.900	500.000
GR	758.600	504.000	757.800	522.000	757.600	525.000	757.700	529.000	758.000	531.000
GR	762.700	535.000	762.400	550.000	761.700	600.000	751.200	650.000	762.600	700.000
GR	770.200	750.000	776.900	785.000	772.400	800.000	0.000	0.000	0.000	0.000
DT	4.000	1520.000	2340.000	2710.000	4500.000	0.000	0.000	0.000	0.000	0.000
X1	2129.000	15.000	590.000	531.000	1729.000	1729.000	1729.000	0.000	0.000	0.000
GR	777.300	350.000	773.800	400.000	771.900	450.000	771.000	456.000	767.000	468.000
GR	766.200	500.000	765.300	506.000	764.400	521.000	764.500	525.000	764.700	528.000
GR	766.100	531.000	766.400	537.000	772.100	550.000	774.000	559.000	775.500	500.000
X1	2229.000	27.000	500.000	543.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	772.000	772.000	0.000
GR	772.900	0.000	773.300	50.000	773.900	100.000	774.500	150.000	775.000	200.000
GR	775.200	250.000	775.200	300.000	775.100	350.000	774.600	400.000	773.900	450.000
GR	773.300	500.000	773.300	503.000	767.600	503.000	767.500	511.000	764.800	513.000
GR	763.800	525.000	764.900	540.000	766.700	543.000	773.200	543.000	773.300	550.000
GR	773.800	600.000	774.900	650.000	776.200	700.000	777.900	750.000	779.900	800.000
GR	781.300	850.000	783.400	900.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	25.600	0.000	273.100	.790	0.000	0.000
X1	2252.000	0.000	0.000	0.000	23.000	23.000	23.000	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	1.000	0.000	0.000	773.300	773.300	0.000
RT	23.000	0.000	772.900	0.000	50.000	773.300	0.000	100.000	773.900	0.000
PT	150.000	774.500	0.000	200.000	775.000	0.000	250.000	775.200	0.000	300.000
RT	775.200	0.000	350.000	775.100	0.000	400.000	774.600	0.000	450.000	773.900
RT	0.000	500.000	773.300	0.000	503.000	773.300	0.000	503.000	773.300	772.000
RT	543.000	775.200	772.000	543.000	775.200	0.000	550.000	773.200	0.000	600.000
RT	773.800	0.000	650.000	774.900	0.000	700.000	776.200	0.000	750.000	777.900
RT	0.000	800.000	779.900	0.000	850.000	781.100	0.000	900.000	783.400	0.000

X1	2352.100	21.000	500.000	527.000	107.000	100.000	100.000	0.000	0.000	0.000
GR	787.700	300.000	781.600	350.000	770.100	368.000	774.200	385.000	775.200	400.000
GR	775.700	409.000	775.600	418.000	773.100	435.000	766.200	447.000	765.400	453.000
GR	765.500	459.000	768.300	462.000	768.000	500.000	765.500	504.000	765.000	511.000
GR	765.100	516.000	771.200	527.000	772.200	550.000	775.400	600.000	780.500	650.000
X1	3102.000	19.000	500.000	533.000	750.000	750.000	750.000	0.000	-5.800	0.000
GR	802.900	300.000	801.300	350.000	797.700	400.000	795.700	416.000	792.800	490.000
GR	786.700	485.000	780.800	500.000	775.900	505.000	776.500	509.000	777.200	516.000
GR	781.500	533.000	780.700	550.000	781.700	600.000	781.400	650.000	782.100	683.000
GR	765.300	700.000	791.300	750.000	796.000	800.000	800.100	850.000	0.000	0.000
X1	3840.000	0.000	0.000	0.000	738.000	738.000	738.000	0.000	5.800	0.000
GT	4.000	1520.000	2330.000	2700.000	4100.000	0.000	0.000	0.000	0.000	0.000
X1	3890.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
X1	3940.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.100	0.000
X1	7400.000	19.000	500.000	536.000	3460.000	3460.000	3460.000	0.000	0.000	0.000
GR	805.000	200.000	802.500	250.000	797.500	278.000	795.800	300.000	793.300	350.000
GR	790.500	400.000	790.700	450.000	790.500	500.000	785.100	505.000	784.100	511.000
GR	783.600	519.000	784.000	526.000	790.900	536.000	790.800	550.000	792.500	600.000
GR	795.100	650.000	800.600	700.000	802.200	750.000	809.200	800.000	0.000	0.000
X1	7450.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
X1	7500.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.200	0.000
GT	4.000	1520.000	2330.000	2700.000	4100.000	0.000	0.000	0.000	0.000	0.000
X1	10924.000	15.000	500.000	551.000	3424.000	3424.000	3424.000	0.000	0.000	0.000
GR	827.600	330.000	821.600	350.000	818.900	365.000	815.600	400.000	812.500	450.000
GR	810.300	500.000	804.600	514.000	804.500	520.000	805.400	530.000	810.500	536.000
GR	814.400	572.000	815.200	600.000	815.800	650.000	817.000	700.000	818.600	750.000
X1	10974.000	16.000	500.000	530.000	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	815.400	815.400	0.000
GR	826.800	250.000	824.200	300.000	821.600	350.000	817.400	400.000	817.700	450.000
GR	816.500	500.000	804.500	500.000	804.500	530.000	815.000	530.000	815.700	550.000
GR	815.200	600.000	815.600	650.000	816.800	700.000	818.500	750.000	820.500	800.000
GR	822.300	850.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	30.000	1.800	307.400	0.000	0.000	0.000
X1	11026.000	0.000	0.000	0.000	52.000	52.000	52.000	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	816.500	816.500	0.000
BT	16.000	250.000	826.800	0.000	300.000	824.200	0.000	350.000	821.600	0.000
BT	400.000	819.000	0.000	450.000	817.700	0.000	500.000	816.500	0.000	500.000
BT	816.500	815.400	530.000	816.000	815.400	530.000	816.000	0.000	550.000	815.700
BT	0.000	600.000	815.200	0.000	650.000	815.600	0.000	700.000	816.800	0.000
BT	750.000	818.500	0.000	800.000	820.500	0.000	850.000	822.300	0.000	0.000
X1	11061.000	15.000	500.000	548.000	35.000	35.000	35.000	0.000	0.000	0.000
GR	827.600	330.000	821.600	350.000	818.900	365.000	815.600	400.000	812.500	450.000

GR	812,200	500,000	804,900	500,000	804,100	525,000	805,500	540,000	810,900	548,000
GR	814,400	572,000	815,200	600,000	815,800	650,000	817,000	700,000	818,600	750,000

X1	12040,000	20,000	500,000	551,000	979,000	979,000	979,000	0,000	0,000	0,000
GR	831,600	250,000	829,200	300,000	828,200	325,000	825,500	350,000	822,600	400,000
GR	816,700	450,000	815,800	500,000	807,000	520,000	806,900	529,000	807,100	539,000
GR	812,900	551,000	812,500	600,000	811,900	650,000	812,100	700,000	811,900	750,000
GR	812,500	794,000	813,000	800,000	818,200	850,000	822,500	900,000	828,500	950,000
QT	4,000	640,000	1010,000	1320,000	1710,000	0,000	0,000	0,000	0,000	0,000

X1	12325,000	16,000	500,000	541,000	285,000	285,000	285,000	0,000	0,000	0,000
GR	831,600	250,000	829,200	300,000	828,200	325,000	825,500	350,000	822,600	400,000
GR	817,500	425,000	815,500	450,000	814,400	500,000	810,400	511,000	809,900	519,000
GR	810,400	526,000	817,200	541,000	820,000	619,000	830,000	850,000	840,000	1020,000
GR	850,000	1150,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	12375,000	19,000	600,000	620,000	50,000	50,000	50,000	0,000	0,000	0,000
XJ	10,000	0,000	0,000	0,000	0,000	0,000	0,000	815,900	815,900	0,000
GR	840,000	200,000	830,000	350,000	823,800	500,000	817,900	600,000	810,500	600,000
GR	810,500	620,000	818,200	620,000	819,300	700,000	818,400	800,000	818,000	900,000
GR	818,200	1000,000	819,600	1050,000	820,400	1100,000	819,600	1150,000	819,500	1200,000
GR	823,200	1250,000	825,500	1282,000	826,500	1300,000	831,200	1350,000	0,000	0,000
SB	,900	1,500	2,500	0,000	19,400	0,000	103,800	0,000	0,000	0,000

X1	12425,000	0,000	0,000	0,000	50,000	50,000	50,000	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	818,200	818,200	0,000
BT	19,000	200,000	840,000	0,000	350,000	830,000	0,000	500,000	823,800	0,000
BT	600,000	817,900	0,000	600,000	817,900	815,900	620,000	818,200	815,900	620,000
BT	818,200	0,000	700,000	819,300	0,000	800,000	818,400	0,000	900,000	818,000
BT	0,000	1000,000	818,200	0,000	1050,000	819,600	0,000	1100,000	820,400	0,000
BT	1150,000	819,600	0,000	1200,000	819,500	0,000	1250,000	823,200	0,000	1282,000
BT	825,500	0,000	1300,000	826,500	0,000	1350,000	831,200	0,000	0,000	0,000

X1	12475,000	15,000	500,000	531,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	831,600	250,000	829,200	300,000	828,200	325,000	825,500	350,000	822,600	400,000
GR	817,700	450,000	814,900	500,000	810,700	510,000	810,600	518,000	810,500	526,000
GR	815,700	531,000	820,000	619,000	830,000	850,000	840,000	1020,000	850,000	1150,000

X1	13163,000	21,000	500,000	527,000	688,000	688,000	688,000	0,000	0,000	0,000
GR	831,800	180,000	829,300	200,000	828,300	213,000	826,800	250,000	826,300	300,000
GR	826,500	350,000	826,900	378,000	824,800	395,000	823,700	400,000	820,900	415,000
GR	819,600	450,000	819,000	500,000	814,800	510,000	814,600	517,000	815,200	521,000
GR	820,100	527,000	819,900	550,000	823,400	600,000	823,300	650,000	824,900	900,000
GR	829,100	1000,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	13213,000	22,000	509,000	522,000	50,000	50,000	50,000	0,000	0,000	0,000
XJ	10,000	0,000	0,000	0,000	0,000	0,000	0,000	820,900	820,900	0,000
GR	831,800	180,000	829,300	200,000	828,300	213,000	826,800	250,000	826,300	300,000
GR	826,500	350,000	826,900	378,000	824,800	395,000	823,700	400,000	820,900	415,000
GR	819,600	450,000	819,000	500,000	819,900	509,000	814,800	510,000	814,800	521,000
GR	819,000	522,000	820,100	527,000	819,900	550,000	823,400	600,000	823,300	650,000
GR	824,900	900,000	829,100	1000,000	0,000	0,000	0,000	0,000	0,000	0,000
SB	1,250	1,500	2,500	0,000	13,000	,800	73,200	0,000	0,000	0,000

X1	13268,000	14,000	509,000	522,000	55,000	55,000	55,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	820,800	822,900	0,000	0,000	0,000	0,000	0,000
XJ	10,000	0,000	0,000	0,000	0,000	0,000	0,000	824,200	822,900	0,000

GR	848,100	500,000	842,100	550,000	844,500	550,000	838,600	400,000	836,600	450,000
GR	835,700	500,000	830,600	501,000	830,600	511,000	835,700	512,000	835,300	600,000
GR	836,600	700,000	840,000	800,000	844,800	830,000	850,000	900,000	0,000	0,000
X1	14770,000	18,000	500,000	529,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	850,600	250,000	848,100	390,000	846,100	334,000	842,100	337,000	841,500	350,000
GR	838,600	400,000	837,200	450,000	836,400	500,000	830,900	511,000	830,700	518,000
GR	830,800	522,000	836,400	529,000	835,400	550,000	839,000	600,000	839,400	650,000
GR	840,000	700,000	840,900	750,000	841,700	800,000	0,000	0,000	0,000	0,000
QT	4,000	500,000	710,000	1020,000	1280,000	0,000	0,000	0,000	0,000	0,000
X1	15360,000	16,000	500,000	531,000	590,000	590,000	590,000	0,000	0,000	0,000
GR	848,300	305,000	845,400	350,000	841,800	400,000	839,800	450,000	840,400	500,000
GR	835,500	511,000	835,300	513,000	835,500	513,000	841,400	531,000	840,900	550,000
GR	841,400	600,000	844,900	650,000	846,000	700,000	847,200	750,000	847,000	800,000
GR	848,000	850,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	15410,000	13,000	510,000	524,000	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	841,900	841,900	0,000
GR	848,300	305,000	845,400	350,000	841,800	400,000	839,800	450,000	840,400	510,000
GR	836,900	511,000	836,900	523,000	841,400	524,000	841,400	600,000	844,900	650,000
GR	846,000	700,000	847,200	750,000	848,000	850,000	0,000	0,000	0,000	0,000
SB	1,250	1,500	2,500	0,000	13,000	1,000	60,000	0,000	0,000	0,000
X1	15510,000	11,000	504,000	516,000	100,000	100,000	100,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	841,900	845,600	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	845,600	845,600	0,000
BT	9,000	200,000	848,400	848,400	250,000	846,700	846,700	300,000	846,000	845,000
BT	450,000	845,600	841,000	800,000	845,600	842,000	504,000	845,600	841,900	516,000
BT	845,600	841,900	865,000	845,600	845,100	600,000	851,200	851,200	0,000	0,000
GR	848,400	200,000	846,700	250,000	845,000	300,000	841,000	450,000	842,000	500,000
GR	841,900	504,000	836,900	505,000	836,900	515,000	841,900	516,000	845,100	565,000
GR	851,200	600,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	15610,000	14,000	500,000	521,000	100,000	100,000	100,000	0,000	0,000	0,000
GR	851,200	300,000	851,700	339,000	851,200	350,000	844,500	400,000	842,100	417,000
GR	841,000	450,000	842,000	500,000	838,700	504,000	838,600	508,000	838,800	511,000
GR	842,200	521,000	845,900	550,000	851,200	583,000	854,700	600,000	0,000	0,000
X1	15760,000	0,000	0,000	0,000	150,000	150,000	150,000	0,000	1,700	0,000
X1	16009,000	16,000	500,000	525,000	249,000	249,000	249,000	0,000	0,000	0,000
GR	861,100	250,000	859,400	300,000	858,600	335,000	855,000	342,000	852,500	350,000
GR	850,600	400,000	848,700	450,000	848,100	500,000	843,800	505,000	843,800	508,000
GR	843,900	512,000	847,000	525,000	847,900	550,000	851,000	594,000	853,400	600,000
GR	855,000	620,000	860,500	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	16059,000	15,000	500,000	510,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	861,100	250,000	859,400	300,000	858,600	335,000	855,000	342,000	852,500	350,000
GR	850,600	400,000	848,700	450,000	848,100	500,000	844,200	501,000	844,200	509,000
GR	848,100	510,000	851,000	594,000	853,400	600,000	855,000	620,000	860,500	650,000
SB	,900	1,500	2,500	0,000	3,300	0,000	47,300	0,000	0,000	0,000
X1	16101,000	12,000	504,000	512,000	42,000	42,000	42,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	849,900	852,900	0,000	0,000	0,000	0,000	0,000
BT	10,000	300,000	863,000	863,000	350,000	858,800	858,800	450,000	853,600	853,200
BT	504,000	853,000	849,900	512,000	852,900	849,900	525,000	853,000	849,200	550,000

BT	853,000	850,100	800,000	854,700	854,700	850,000	858,800	854,000	709,300	709,300
BT	862,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	863,000	300,000	858,800	350,000	853,200	450,000	849,900	504,000	844,200	505,000
GR	844,200	511,000	849,900	512,000	849,200	525,000	850,100	550,000	854,700	600,000
GR	858,600	650,000	862,400	700,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	16151,000	12,000	500,000	522,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	862,400	300,000	857,700	390,000	856,800	400,000	853,200	450,000	849,800	500,000
GR	846,300	511,000	846,000	515,000	846,400	519,000	849,200	522,000	850,100	550,000
GR	856,900	600,000	864,700	650,000	0,000	0,000	0,000	0,000	0,000	0,000
BJ	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

JAMES H. BOON ASSAULT TEAM, INC.
 11111 W. 10TH AVENUE, DENVER, CO 80202

THIS RUN EXECUTED 02 MAY 77 13,29

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***50 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULCING BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FG
	-10.	3.	0.	0.	.004000	0.00	0.0	0.	764.000	0.000

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CRNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 2

CCHV= .200 CERV= .400
 *SECNO 400.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	OCLOSS	BANK ELEV
Q	QLOB	GCH	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
400.00	7.53	765.13	0.00	764.00	765.36	.20	0.00	0.00	761.90
2400.	255.	1192.	.953.	173.	230.	559.	0.	0.	762.70
0.00	1.48	5.18	1.71	.120	.060	.120	0.000	757.60	427.03
.004026	0.	0.	0.	0	0	4	0.00	289.59	716.62

*SECNO 2129.000

2129.00	8.15	772.55	0.00	0.00	773.01	.47	7.56	.09	766.20
2340.	625.	1528.	187.	245.	234.	81.	30.	8.	766.10
.09	2.55	6.53	2.31	.120	.060	.120	.060	764.40	432.96
.004782	1729.	1729.	1729.	3	0	0	0.00	119.16	552.12

*SECNO 2229.000

3265 DIVIDED FLOW

3280 CROSS SECTION 2229.00 EXTENDED .03 FEET

2229.00	9.13	772.93	0.00	0.00	773.82	.88	.64	.17	773.30
2340.	0.	2340.	0.	0.	310.	0.	31.	8.	773.20
.10	.01	7.54	0.00	.120	.060	.120	.060	763.80	0.00
.008885	100.	100.	100.	2	0	0	0.00	44.33	543.00

SPECIAL BRIDGE

5070,VARIABLE FLCHU OR ELCHD ON CARD SB NOT SPECIFIED

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***100 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	.004000	0.00	0.0	0.	765,000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSFCH	FN	ALLDC	IRW	CHNH	ITRACE
	3,000	0,000	-1,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

*PROF 3

CCHV= .200 CEHV= .400
 *SECNO 400,000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	DLOSS	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
400,00	7.90	765.50	0.00	765.00	765.74	.24	0.00	0.00	761.90
2770.	318.	1307.	1145.	201.	243.	627.	0.	0.	762.70
0.00	1.59	5.38	1.83	.120	.060	.120	0.000	757.60	423.63
.004022	0.	0.	0.	0	0	4	0.00	295.45	719.08

*SECNO 2129,000

2129,00	8.64	773.04	0.00	0.00	773.56	.52	7.71	.11	766.20
2710.	749.	1733.	228.	281.	249.	92.	34.	9.	766.10
.09	2.66	6.96	2.47	.120	.060	.120	.060	764.40	419.97
.004983	1729.	1729.	1729.	3	0	0	0.00	134.49	554.46

*SECNO 2229,000

3265 DIVIDED FLOW

3280 CROSS SECTION 2229,00 EXTENDED .53 FEET

3301 HV CHANGED MORE THAN HVINS

2229,00	9.63	773.43	0.00	0.00	774.46	1.03	.70	.20	773.30
2710.	10.	2699.	1.	18.	331.	2.	35.	9.	773.20
.09	.57	8.16	.33	.120	.060	.120	.060	763.80	0.00
.010447	100.	100.	100.	2	0	0	0.00	135.21	563.20

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***500 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,BOULDRING BRANCH
 T3 FEB 1977 DLQ

J1 ICHECK TNO NINV IDIR STRT METRIC HVTNS WSEL FO
 -10. 5. 0. 0. ,004000 0.00 0.0 0. 767,000 0.000
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IRW 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= ,200 CEHV= ,400
 *SECNO 400,000

SECNO	DEPTH	WSEL	CRIS	WSEK	EG	HV	HL	DCROSS	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
400.00	9.66	767.26	0.00	767.00	767.55	.29	0.00	0.00	761.90
4900.	7.7	1917.	2266.	349.	305.	961.	0.	0.	762.70
0.00	2.05	6.29	2.36	.120	.060	.120	0.000	757.60	407.62
.004074	0.	0.	0.	0	0	3	0.00	323.05	730.67

*SECNO 2129,000

2129.00	10.63	775.03	0.00	0.00	775.72	.69	8.01	.16	766.20
1500.	1447.	2607.	446.	484.	311.	161.	51.	10.	766.10
.08	7.99	8.38	2.77	.120	.060	.120	.060	764.40	382.30
.005379	1729.	1729.	1729.	2	0	0	0.00	205.10	587.40

*SECNO 2229,000

3280 CROSS SECTION 2229.00 EXTENDED 2.72 FEET

2229.00	11.82	775.62	0.00	0.00	776.34	.73	.61	.02	773.30
4500.	865.	3349.	286.	619.	425.	193.	54.	11.	773.20
.08	1.40	7.88	1.48	.120	.060	.120	.060	763.80	0.00
.006983	100.	100.	100.	2	0	0	0.00	677.65	677.65

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLN	BWC	TWP	BAREA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	26.60	0.00	273.10	.79	763.80	763.80

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO

SUMMARY PRINTOUT TABLE 15n

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
400.000	0.00	0.00	0.00	757.60	1560.00	764.16	0.00	764.37	40.07	4.65	688.
400.000	0.00	0.00	0.00	757.60	2400.00	765.13	0.00	765.36	40.26	5.18	961.
400.000	0.00	0.00	0.00	757.60	2770.00	765.50	0.00	765.74	40.22	5.38	1070.
400.000	0.00	0.00	0.00	757.60	4900.00	767.26	0.00	767.55	40.74	6.29	1615.
2129.000	1729.00	0.00	0.00	764.40	1520.00	771.22	0.00	771.56	42.61	5.42	424.
2129.000	1729.00	0.00	0.00	764.40	2340.00	772.55	0.00	773.01	47.82	6.53	560.
2129.000	1729.00	0.00	0.00	764.40	2710.00	773.04	0.00	773.56	49.83	6.96	622.
2129.000	1729.00	0.00	0.00	764.40	4500.00	775.03	0.00	775.72	53.79	8.38	956.
2229.000	100.00	0.00	0.00	763.80	1520.00	771.62	0.00	772.16	64.87	5.89	258.
2229.000	100.00	0.00	0.00	763.80	2340.00	772.93	0.00	773.82	88.85	7.54	310.
2229.000	100.00	0.00	0.00	763.80	2710.00	773.43	0.00	774.46	104.47	8.16	350.
2229.000	100.00	0.00	0.00	763.80	4500.00	775.62	0.00	776.34	69.83	7.88	1237.
2252.000	23.00	772.90	772.00	763.80	1520.00	771.84	0.00	772.34	58.86	5.70	266.
2252.000	23.00	772.90	772.00	763.80	2340.00	773.32	0.00	774.12	82.32	7.17	336.
2252.000	23.00	772.90	772.00	763.80	2710.00	773.56	0.00	774.55	98.05	8.00	370.
2252.000	23.00	772.90	772.00	763.80	4500.00	775.62	0.00	776.34	69.50	7.87	1241.
2352.000	100.00	0.00	0.00	765.00	1520.00	772.64	0.00	772.88	40.47	4.94	493.
2352.000	100.00	0.00	0.00	765.00	2340.00	774.46	0.00	774.72	33.87	5.39	748.
2352.000	100.00	0.00	0.00	765.00	2710.00	774.95	0.00	775.24	35.46	5.74	833.
2352.000	100.00	0.00	0.00	765.00	4500.00	776.52	0.00	776.96	45.56	7.30	1174.
3102.000	750.00	0.00	0.00	770.70	1520.00	777.23	0.00	777.79	114.98	7.07	398.
3102.000	750.00	0.00	0.00	770.70	2340.00	778.29	0.00	778.82	95.41	7.39	608.
3102.000	750.00	0.00	0.00	770.70	2710.00	778.76	0.00	779.27	85.98	7.41	705.
3102.000	750.00	0.00	0.00	770.70	4500.00	780.62	0.00	781.14	68.55	7.90	1103.
3840.000	738.00	0.00	0.00	776.50	1520.00	783.60	0.00	783.93	62.17	5.63	513.
3840.000	738.00	0.00	0.00	776.50	2340.00	784.44	0.00	784.85	70.16	6.61	682.
3840.000	738.00	0.00	0.00	776.50	2710.00	784.74	0.00	785.19	74.79	7.05	743.
3840.000	738.00	0.00	0.00	776.50	4500.00	786.11	0.00	786.71	82.44	8.43	1033.
3890.000	50.00	0.00	0.00	776.60	1520.00	783.95	0.00	784.22	49.30	5.17	562.
3890.000	50.00	0.00	0.00	776.60	2330.00	784.84	0.00	785.17	55.09	6.05	744.
3890.000	50.00	0.00	0.00	776.60	2700.00	785.17	0.00	785.54	58.36	6.44	811.
3890.000	50.00	0.00	0.00	776.60	4100.00	786.67	0.00	787.07	52.20	6.98	1137.

SEONO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSL	CRWS	EG	10K*5	VCH	ARFA
03 MAY 14.43 ALL SYS UP - NO 76 BLOCK TIME TONITE 14.44											
3940.000	50.00	0.00	0.00	776.70	1520.00	784.22	0.00	784.45	42.20	4.89	597.
3940.000	50.00	0.00	0.00	776.70	2330.00	785.14	0.00	785.44	47.47	5.74	785.
3940.000	50.00	0.00	0.00	776.70	2700.00	785.49	0.00	785.82	49.63	6.08	860.
3940.000	50.00	0.00	0.00	776.70	4100.00	786.96	0.00	787.33	47.18	6.73	1178.
7400.000	3460.00	0.00	0.00	783.30	1520.00	793.41	0.00	793.58	17.98	3.82	768.
7400.000	3460.00	0.00	0.00	783.60	2330.00	794.71	0.00	794.88	17.62	4.20	1150.
7400.000	3460.00	0.00	0.00	783.50	2700.00	795.20	0.00	795.37	17.47	4.33	1315.
7400.000	3460.00	0.00	0.00	783.60	4100.00	796.67	0.00	796.86	17.93	4.82	1840.
7450.000	50.00	0.00	0.00	783.80	1520.00	793.50	0.00	793.68	19.59	3.95	737.
7450.000	50.00	0.00	0.00	783.80	2330.00	794.80	0.00	794.98	18.93	4.31	1114.
7450.000	50.00	0.00	0.00	783.80	2700.00	795.28	0.00	795.47	18.82	4.45	1273.
7450.000	50.00	0.00	0.00	783.80	4100.00	796.76	0.00	796.96	18.99	4.93	1798.
7500.000	50.00	0.00	0.00	784.00	1520.00	793.59	0.00	793.78	21.17	4.07	709.
7500.000	50.00	0.00	0.00	784.00	2330.00	794.89	0.00	795.08	20.29	4.43	1080.
7500.000	50.00	0.00	0.00	784.00	2700.00	795.37	0.00	795.57	20.10	4.57	1237.
7500.000	50.00	0.00	0.00	784.00	4100.00	796.85	0.00	797.06	20.09	5.04	1758.
10924.000	3424.00	0.00	0.00	804.50	1520.00	811.94	810.15	812.58	344.32	0.00	236.
10924.000	3424.00	0.00	0.00	804.50	2330.00	812.97	812.03	813.71	388.21	0.00	339.
10924.000	3424.00	0.00	0.00	804.50	2700.00	813.36	812.46	814.12	394.63	0.00	385.
10924.000	3424.00	0.00	0.00	804.50	4100.00	814.66	813.60	815.46	377.25	0.00	571.
10974.000	50.00	0.00	0.00	804.50	1520.00	812.65	0.00	813.25	68.54	6.22	244.
10974.000	50.00	0.00	0.00	804.50	2330.00	813.71	0.00	814.81	113.79	8.44	276.
10974.000	50.00	0.00	0.00	804.50	2700.00	814.08	0.00	815.45	136.72	9.40	287.
10974.000	50.00	0.00	0.00	804.50	4100.00	815.06	0.00	817.67	246.26	12.95	316.
11026.000	52.00	815.20	815.40	804.50	1520.00	812.77	0.00	813.36	65.61	6.12	248.
11026.000	52.00	815.20	815.40	804.50	2330.00	814.01	0.00	815.05	103.71	8.16	285.
11026.000	52.00	815.20	815.40	804.50	2700.00	814.60	0.00	815.83	117.90	8.91	302.
11026.000	52.00	815.20	815.40	804.50	4100.00	815.06	0.00	817.67	240.13	12.95	316.
11061.000	35.00	0.00	0.00	804.10	1520.00	813.29	0.00	813.54	20.83	4.07	435.
11061.000	35.00	0.00	0.00	804.10	2330.00	815.03	0.00	815.33	20.83	4.67	697.
11061.000	35.00	0.00	0.00	804.10	2700.00	815.86	0.00	816.15	18.94	4.72	876.
11061.000	35.00	0.00	0.00	804.10	4100.00	817.99	0.00	818.27	16.29	4.97	1535.
12040.000	979.00	0.00	0.00	806.90	1520.00	815.13	0.00	815.21	13.61	2.87	1035.
12040.000	979.00	0.00	0.00	806.90	2330.00	816.71	0.00	816.78	10.40	2.88	1576.
12040.000	979.00	0.00	0.00	806.90	2700.00	817.39	0.00	817.45	9.25	2.89	1841.
12040.000	979.00	0.00	0.00	806.90	4100.00	819.32	0.00	819.39	7.87	3.08	2645.
12325.000	285.00	0.00	0.00	809.90	640.00	815.54	0.00	815.82	52.81	4.30	174.
12325.000	285.00	0.00	0.00	809.90	1010.00	817.00	0.00	817.26	38.64	4.33	318.
12325.000	285.00	0.00	0.00	809.90	1320.00	817.63	0.00	817.93	40.98	4.80	392.
12325.000	285.00	0.00	0.00	809.90	1710.00	819.53	0.00	819.72	19.47	4.02	695.
12375.000	50.00	0.00	0.00	810.50	640.00	815.74	0.00	816.32	117.23	6.11	104.
12375.000	50.00	0.00	0.00	810.50	1010.00	816.93	0.00	817.89	162.76	7.85	128.
12375.000	50.00	0.00	0.00	810.50	1320.00	817.36	0.00	818.79	232.31	9.62	137.
12375.000	50.00	0.00	0.00	810.50	1710.00	819.55	0.00	819.99	75.95	6.44	640.

SECNO	XLGH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
12425.000	50.00	817.90	815.90	810.50	640.00	816.12	0.00	816.62	95.48	5.69	112.
12425.000	50.00	817.90	815.90	810.50	1010.00	817.78	0.00	818.53	115.09	6.93	145.
12425.000	50.00	817.90	815.90	810.50	1320.00	817.60	0.00	818.94	210.82	9.29	142.
12425.000	50.00	817.90	815.90	810.50	1710.00	819.55	0.00	819.99	75.56	6.43	651.
12475.000	50.00	0.00	0.00	810.50	640.00	816.71	0.00	816.94	34.17	3.97	194.
12475.000	50.00	0.00	0.00	810.50	1010.00	818.65	0.00	818.84	20.58	3.84	426.
12475.000	50.00	0.00	0.00	810.50	1320.00	819.19	0.00	819.43	24.54	4.41	513.
12475.000	50.00	0.00	0.00	810.50	1710.00	819.97	0.00	820.23	25.43	4.79	652.
13163.000	688.00	0.00	0.00	814.60	640.00	820.17	0.00	820.60	88.41	5.49	160.
13163.000	688.00	0.00	0.00	814.60	1010.00	821.03	0.00	821.51	85.86	6.17	277.
13163.000	688.00	0.00	0.00	814.60	1320.00	821.76	0.00	822.19	71.19	6.16	393.
13163.000	688.00	0.00	0.00	814.60	1710.00	822.50	0.00	822.90	62.04	6.29	521.
13213.000	50.00	0.00	0.00	814.80	640.00	820.34	0.00	821.72	302.45	9.43	67.
13213.000	50.00	0.00	0.00	814.80	1010.00	821.63	0.00	821.98	92.84	6.32	343.
13213.000	50.00	0.00	0.00	814.80	1320.00	822.23	0.00	822.59	81.91	6.32	453.
13213.000	50.00	0.00	0.00	814.80	1710.00	822.98	0.00	823.27	73.20	6.36	583.
13268.000	55.00	822.90	820.80	815.60	640.00	821.01	0.00	822.51	365.17	9.82	65.
* 13268.000	55.00	822.90	820.80	815.60	1010.00	823.26	821.70	823.93	155.33	7.69	279.
* 13268.000	55.00	822.90	820.80	815.60	1320.00	823.72	0.00	824.25	142.84	7.58	427.
* 13268.000	55.00	822.90	820.80	815.60	1710.00	823.97	0.00	824.55	167.92	8.34	517.
13318.000	50.00	0.00	0.00	816.20	640.00	823.01	0.00	823.30	52.17	4.36	170.
13318.000	50.00	0.00	0.00	816.20	1010.00	824.12	0.00	824.40	47.60	4.64	336.
13318.000	50.00	0.00	0.00	816.20	1320.00	824.35	0.00	824.75	66.34	5.59	375.
13318.000	50.00	0.00	0.00	816.20	1710.00	824.61	0.00	825.15	87.76	6.61	421.
13818.000	500.00	0.00	0.00	820.00	640.00	826.35	0.00	826.92	99.10	6.07	105.
13818.000	500.00	0.00	0.00	820.00	1010.00	827.48	0.00	828.45	137.33	7.88	130.
13818.000	500.00	0.00	0.00	820.00	1320.00	828.55	0.00	829.73	141.29	8.75	159.
13818.000	500.00	0.00	0.00	820.00	1710.00	829.63	0.00	831.02	143.55	9.65	206.
14463.000	645.00	0.00	0.00	826.30	640.00	832.51	0.00	832.92	86.62	5.15	125.
14463.000	645.00	0.00	0.00	826.30	1010.00	833.89	0.00	834.28	61.93	5.29	277.
14463.000	645.00	0.00	0.00	826.30	1320.00	834.69	0.00	835.04	51.18	5.33	415.
14463.000	645.00	0.00	0.00	826.30	1710.00	835.52	0.00	835.85	42.67	5.33	587.
14513.000	50.00	0.00	0.00	827.70	640.00	832.63	0.00	834.18	393.59	10.00	64.
14513.000	50.00	0.00	0.00	827.70	1010.00	834.20	0.00	834.86	165.79	7.87	264.
14513.000	50.00	0.00	0.00	827.70	1320.00	835.00	0.00	835.44	113.98	7.08	411.
14513.000	50.00	0.00	0.00	827.70	1710.00	835.83	0.00	836.14	81.80	6.47	591.
* 14679.000	166.00	845.20	832.70	829.40	640.00	833.73	833.65	835.67	494.44	11.16	57.
* 14679.000	166.00	845.20	832.70	829.40	1010.00	840.61	0.00	841.28	68.19	6.57	193.
* 14679.000	166.00	845.20	832.70	829.40	1320.00	845.71	0.00	845.71	.43	.85	3271.
* 14679.000	166.00	845.20	832.70	829.40	1710.00	846.43	0.00	846.43	.58	1.01	3554.
* 14680.000	1.00	0.00	0.00	830.10	640.00	834.32	834.32	836.43	635.43	11.38	54.
14680.000	1.00	0.00	0.00	830.10	1010.00	841.41	0.00	841.42	1.55	1.03	2106.
14680.000	1.00	0.00	0.00	830.10	1320.00	845.71	0.00	845.71	.33	.58	4245.
14680.000	1.00	0.00	0.00	830.10	1710.00	846.43	0.00	846.43	.42	.68	4604.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VGH	AREA
14720.000	40.00	835.30	850.00	830.60	640.00	837.36	0.00	837.40	58.85	2.53	445.
14720.000	40.00	835.30	850.00	830.60	1010.00	841.42	0.00	841.42	1.94	.67	2020.
14720.000	40.00	835.30	850.00	830.60	1320.00	845.71	0.00	845.71	.37	.37	4186.
14720.000	40.00	835.30	850.00	830.60	1710.00	846.43	0.00	846.44	.47	.44	4579.
14770.000	50.00	0.00	0.00	830.70	640.00	837.48	0.00	837.69	34.96	3.95	241.
14770.000	50.00	0.00	0.00	830.70	1010.00	841.42	0.00	841.45	3.32	1.80	1317.
14770.000	50.00	0.00	0.00	830.70	1320.00	845.71	0.00	845.72	.53	.94	3299.
14770.000	50.00	0.00	0.00	830.70	1710.00	846.43	0.00	846.44	.67	1.09	3636.
15360.000	590.00	0.00	0.00	835.30	500.00	840.62	0.00	841.06	124.68	5.47	120.
15360.000	590.00	0.00	0.00	835.30	710.00	841.71	0.00	841.95	60.43	4.51	284.
15360.000	590.00	0.00	0.00	835.30	1020.00	845.76	0.00	845.78	2.96	1.61	1349.
15360.000	590.00	0.00	0.00	835.30	1280.00	846.49	0.00	846.51	2.96	1.71	1617.
15410.000	50.00	0.00	0.00	836.90	500.00	841.10	0.00	842.39	367.48	9.11	54.
15410.000	50.00	0.00	0.00	836.90	710.00	842.08	841.92	842.31	87.76	5.23	306.
15410.000	50.00	0.00	0.00	836.90	1020.00	845.78	0.00	845.80	4.40	1.70	1300.
15410.000	50.00	0.00	0.00	836.90	1280.00	846.51	0.00	846.53	4.23	1.76	1569.
* 15510.000	100.00	845.60	841.90	836.90	500.00	841.81	0.00	843.14	374.68	9.28	53.
* 15510.000	100.00	845.60	841.90	836.90	710.00	844.19	0.00	845.34	212.56	8.60	82.
15510.000	100.00	845.60	841.90	836.90	1020.00	846.65	0.00	846.67	6.66	2.00	1136.
15510.000	100.00	845.60	841.90	836.90	1280.00	846.98	0.00	847.01	8.15	2.27	1246.
15610.000	100.00	0.00	0.00	838.60	500.00	843.95	0.00	844.03	25.28	3.02	311.
15610.000	100.00	0.00	0.00	838.60	710.00	845.78	0.00	845.82	9.56	2.37	576.
15610.000	100.00	0.00	0.00	838.60	1020.00	846.71	0.00	846.77	16.29	2.71	729.
15610.000	100.00	0.00	0.00	838.60	1280.00	847.06	0.00	847.13	13.00	3.15	789.
15760.000	150.00	0.00	0.00	840.30	500.00	844.53	0.00	844.82	110.91	5.22	174.
15760.000	150.00	0.00	0.00	840.30	710.00	845.98	0.00	846.10	35.59	3.77	356.
15760.000	150.00	0.00	0.00	840.30	1020.00	846.91	0.00	847.04	30.89	3.99	489.
15760.000	150.00	0.00	0.00	840.30	1280.00	847.31	0.00	847.47	35.41	4.48	549.
16009.000	249.00	0.00	0.00	843.80	500.00	847.98	0.00	848.65	195.27	6.71	85.
* 16009.000	249.00	0.00	0.00	843.80	710.00	848.20	848.20	849.33	302.02	8.71	97.
* 16009.000	249.00	0.00	0.00	843.80	1020.00	849.07	849.07	850.06	215.18	8.66	184.
* 16009.000	249.00	0.00	0.00	843.80	1280.00	849.46	849.46	850.50	212.90	9.18	237.
* 16059.000	50.00	0.00	0.00	844.20	500.00	849.48	849.48	850.08	197.42	7.31	138.
16059.000	50.00	0.00	0.00	844.20	710.00	850.07	0.00	850.57	172.19	7.36	217.
16059.000	50.00	0.00	0.00	844.20	1020.00	850.64	0.00	851.10	155.01	7.70	314.
16059.000	50.00	0.00	0.00	844.20	1280.00	851.11	0.00	851.50	143.25	7.54	406.
* 16101.000	42.00	852.90	849.90	844.20	500.00	850.11	849.82	852.55	1341.46	12.53	39.
16101.000	42.00	852.90	849.90	844.20	710.00	853.63	0.00	853.71	31.93	3.51	403.
16101.000	42.00	852.90	849.90	844.20	1020.00	854.30	0.00	854.41	37.20	3.98	508.
16101.000	42.00	852.90	849.90	844.20	1280.00	854.69	0.00	854.82	43.17	4.40	575.
16151.000	50.00	0.00	0.00	846.00	500.00	853.14	0.00	853.22	11.95	2.63	340.
16151.000	50.00	0.00	0.00	846.00	710.00	853.72	0.00	853.82	15.20	3.16	415.
16151.000	50.00	0.00	0.00	846.00	1020.00	854.41	0.00	854.55	19.05	3.79	513.
16151.000	50.00	0.00	0.00	846.00	1280.00	854.82	0.00	854.99	22.91	4.32	575.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
400.000	1560.00	764.16	0.00	0.00	2.16	274.42	0.00
400.000	2400.00	765.13	0.00	0.00	1.13	289.59	0.00
400.000	2770.00	765.50	0.00	0.00	.50	295.45	0.00
400.000	4900.00	767.26	1.76	0.00	.26	323.05	0.00
2129.000	1520.00	771.22	0.00	7.06	0.00	93.50	1729.00
2129.000	2340.00	772.55	0.00	7.42	0.00	119.16	1729.00
2129.000	2710.00	773.04	0.00	7.54	0.00	134.49	1729.00
2129.000	4500.00	775.03	1.99	7.77	0.00	205.10	1729.00
2229.000	1520.00	771.62	0.00	.40	0.00	40.00	100.00
2229.000	2340.00	772.93	0.00	.39	0.00	44.33	100.00
2229.000	2710.00	773.43	0.00	.39	0.00	135.21	100.00
2229.000	4500.00	775.62	2.19	.59	0.00	677.65	100.00
2252.000	1520.00	771.64	0.00	.22	0.00	40.00	23.00
2252.000	2340.00	773.32	0.00	.38	0.00	104.06	23.00
2252.000	2710.00	773.56	0.00	.13	0.00	169.96	23.00
2252.000	4500.00	775.62	2.06	.00	0.00	677.88	23.00
2352.000	1520.00	772.64	0.00	.80	0.00	121.09	100.00
2352.000	2340.00	774.46	0.00	1.14	0.00	164.57	100.00
2352.000	2710.00	774.95	0.00	1.38	0.00	184.93	100.00
2352.000	4500.00	776.52	1.58	.90	0.00	236.13	100.00
3102.000	1520.00	777.23	0.00	4.59	0.00	193.34	750.00
3102.000	2340.00	778.29	0.00	3.83	0.00	201.58	750.00
3102.000	2710.00	778.76	0.00	3.81	0.00	205.31	750.00
3102.000	4500.00	780.62	1.86	4.10	0.00	223.15	750.00
3840.000	1520.00	783.60	0.00	6.38	0.00	197.91	738.00
3840.000	2340.00	784.44	0.00	6.15	0.00	204.43	738.00
3840.000	2710.00	784.74	0.00	5.98	0.00	206.72	738.00
3840.000	4500.00	786.11	1.37	5.49	0.00	219.74	738.00
3890.000	1520.00	783.95	0.00	.35	0.00	199.81	50.00
3890.000	2330.00	784.84	0.00	.40	0.00	206.75	50.00
3890.000	2700.00	785.17	0.00	.43	0.00	209.26	50.00
3890.000	4100.00	786.67	1.50	.56	0.00	224.80	50.00
3940.000	1520.00	784.22	0.00	.27	0.00	201.16	50.00
3940.000	2330.00	785.14	0.00	.30	0.00	208.31	50.00
3940.000	2700.00	785.49	0.00	.32	0.00	211.08	50.00
3940.000	4100.00	786.96	1.46	.28	0.00	226.79	50.00
7400.000	1520.00	793.41	0.00	9.20	0.00	269.96	3460.00
7400.000	2330.00	794.71	0.00	9.57	0.00	320.68	3460.00
7400.000	2700.00	795.20	0.00	9.71	0.00	339.15	3460.00
7400.000	4100.00	796.67	1.47	9.72	0.00	375.58	3460.00
7450.000	1520.00	793.50	0.00	.09	0.00	265.40	50.00
7450.000	2330.00	794.80	0.00	.08	0.00	316.21	50.00
7450.000	2700.00	795.28	0.00	.08	0.00	335.37	50.00
7450.000	4100.00	796.76	1.48	.09	0.00	373.10	50.00

SECNO	Q	CWSEL	DIFWSP	DIFHSX	DIFKWS	TOPWID	XLCH
7500.000	1520.00	793.59	0.00	.09	0.00	261.46	50.00
7500.000	2330.00	794.89	0.00	.09	0.00	311.94	50.00
7500.000	2700.00	795.37	0.00	.09	0.00	331.08	50.00
7500.000	4100.00	796.85	1.48	.09	0.00	370.73	50.00
10924.000	1520.00	811.94	0.00	18.35	0.00	84.02	3424.00
10924.000	2330.00	812.97	0.00	18.09	0.00	114.84	3424.00
10924.000	2700.00	813.36	0.00	17.99	0.00	125.11	3424.00
10924.000	4100.00	814.66	1.30	17.81	0.00	165.78	3424.00
10974.000	1520.00	812.65	0.00	.71	0.00	30.00	50.00
10974.000	2330.00	813.71	0.00	.73	0.00	30.00	50.00
10974.000	2700.00	814.08	0.00	.72	0.00	30.00	50.00
10974.000	4100.00	815.06	.99	.40	0.00	30.00	50.00
11026.000	1520.00	812.77	0.00	.13	0.00	30.00	52.00
11026.000	2330.00	814.01	0.00	.31	0.00	30.00	52.00
11026.000	2700.00	814.60	0.00	.52	0.00	30.00	52.00
11026.000	4100.00	815.06	.47	.00	0.00	30.00	52.00
11061.000	1520.00	813.29	0.00	.52	0.00	127.17	35.00
11061.000	2330.00	815.03	0.00	1.01	0.00	185.03	35.00
11061.000	2700.00	815.86	0.00	1.26	0.00	255.38	35.00
11061.000	4100.00	817.99	2.14	2.93	0.00	356.27	35.00
12040.000	1520.00	815.13	0.00	1.84	0.00	318.97	979.00
12040.000	2330.00	816.71	0.00	1.68	0.00	385.78	979.00
12040.000	2700.00	817.39	0.00	1.53	0.00	398.01	979.00
12040.000	4100.00	819.32	1.93	1.33	0.00	435.24	979.00
12325.000	640.00	815.54	0.00	.41	0.00	87.86	285.00
12325.000	1010.00	817.00	0.00	.29	0.00	109.39	285.00
12325.000	1320.00	817.63	0.00	.24	0.00	128.68	285.00
12325.000	1710.00	819.53	1.90	.21	0.00	190.87	285.00
12375.000	640.00	815.74	0.00	.20	0.00	20.00	50.00
12375.000	1010.00	816.93	0.00	.07	0.00	20.00	50.00
12375.000	1320.00	817.36	0.00	.28	0.00	20.00	50.00
12375.000	1710.00	819.55	2.19	.02	0.00	500.41	50.00
12425.000	640.00	816.12	0.00	.38	0.00	20.00	50.00
12425.000	1010.00	817.78	0.00	.85	0.00	20.00	50.00
12425.000	1320.00	817.60	0.00	.24	0.00	20.00	50.00
12425.000	1710.00	819.55	1.95	.00	0.00	502.23	50.00
12475.000	640.00	816.71	0.00	.59	0.00	83.95	50.00
12475.000	1010.00	818.65	0.00	.87	0.00	151.71	50.00
12475.000	1320.00	819.19	0.00	1.60	0.00	167.81	50.00
12475.000	1710.00	819.97	.78	.42	0.00	191.56	50.00
13163.000	640.00	820.17	0.00	3.46	0.00	119.42	688.00
13163.000	1010.00	821.03	0.00	2.38	0.00	151.91	688.00
13163.000	1320.00	821.76	0.00	2.57	0.00	166.20	688.00
13163.000	1710.00	822.50	.74	2.53	0.00	180.70	688.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
13213.000	640.00	820.34	0.00	.18	0.00	13.00	50.00
13213.000	1010.00	821.63	0.00	.59	0.00	163.63	50.00
13213.000	1320.00	822.28	0.60	.52	0.00	176.35	50.00
13213.000	1710.00	822.98	.70	.48	0.00	190.24	50.00
13268.000	640.00	821.01	0.00	.67	0.00	13.00	55.00
* 13268.000	1010.00	823.26	0.00	1.63	0.00	292.75	55.00
* 13268.000	1320.00	823.72	0.00	1.44	0.00	345.55	55.00
* 13268.000	1710.00	823.97	.26	1.00	0.00	355.41	55.00
13318.000	640.00	823.01	0.00	2.00	0.00	116.92	50.00
13318.000	1010.00	824.12	0.00	.85	0.00	167.10	50.00
13318.000	1320.00	824.35	0.00	.63	0.00	170.34	50.00
13318.000	1710.00	824.61	.26	.63	0.00	174.41	50.00
13818.000	640.00	826.35	0.00	3.33	0.00	20.25	500.00
13818.000	1010.00	827.48	0.00	3.37	0.00	23.51	500.00
13818.000	1320.00	828.55	0.00	4.21	0.00	34.62	500.00
13818.000	1710.00	829.63	1.07	5.02	0.00	53.43	500.00
14463.000	640.00	832.51	0.00	6.16	0.00	36.38	645.00
14463.000	1010.00	833.89	0.00	6.40	0.00	152.83	645.00
14463.000	1320.00	834.68	0.00	6.13	0.00	188.91	645.00
14463.000	1710.00	835.52	.84	5.90	0.00	221.30	645.00
14513.000	640.00	832.63	0.00	.12	0.00	13.97	50.00
14513.000	1010.00	834.20	0.00	.31	0.00	167.80	50.00
14513.000	1320.00	835.00	0.00	.32	0.00	200.96	50.00
14513.000	1710.00	835.83	.83	.31	0.00	230.73	50.00
* 14679.000	640.00	833.73	0.00	1.11	0.00	14.00	166.00
* 14679.000	1010.00	840.61	0.00	6.41	0.00	14.00	166.00
* 14679.000	1320.00	845.71	0.00	10.71	0.00	389.85	166.00
* 14679.000	1710.00	846.43	.72	10.60	0.00	392.08	166.00
* 14680.000	640.00	834.32	0.00	.58	0.00	13.00	1.00
14680.000	1010.00	841.41	0.00	.80	0.00	478.06	1.00
14680.000	1320.00	845.71	0.00	.00	0.00	499.00	1.00
14680.000	1710.00	846.43	.72	.00	0.00	499.00	1.00
14720.000	640.00	837.36	0.00	3.04	0.00	291.22	40.00
14720.000	1010.00	841.42	0.00	.01	0.00	459.09	40.00
14720.000	1320.00	845.71	0.00	.00	0.00	538.00	40.00
14720.000	1710.00	846.43	.72	.00	0.00	550.03	40.00
14770.000	640.00	837.48	0.00	.12	0.00	138.92	50.00
14770.000	1010.00	841.42	0.00	.00	0.00	431.87	50.00
14770.000	1320.00	845.71	0.00	.00	0.00	465.71	50.00
14770.000	1710.00	846.43	.72	.00	0.00	471.72	50.00
15360.000	500.00	840.62	0.00	3.14	0.00	99.49	590.00
15360.000	710.00	841.71	0.00	.29	0.00	202.16	590.00
15360.000	1020.00	845.76	0.00	.05	0.00	344.65	590.00
15360.000	1280.00	846.49	.73	.06	0.00	387.41	590.00

SECNO	Q	WSEL	DIFWSP	DIFWSX	DIFKWS	TOPHD	XLCH
15410.000	500.00	841.10	0.00	.48	0.00	13.93	50.00
15410.000	710.00	842.08	0.00	.37	0.00	213.52	50.00
15410.000	1020.00	845.78	0.00	.02	0.00	345.59	50.00
15410.000	1280.00	846.51	.73	.02	0.00	308.32	50.00
* 15510.000	500.00	841.81	0.00	.70	0.00	11.96	100.00
* 15510.000	710.00	844.19	0.00	2.11	0.00	12.00	100.00
15510.000	1020.00	846.65	0.00	.87	0.00	322.40	100.00
15510.000	1280.00	846.98	.33	.47	0.00	334.17	100.00
15610.000	500.00	843.95	0.00	2.14	0.00	130.82	100.00
15610.000	710.00	845.78	0.00	1.59	0.00	158.60	100.00
15610.000	1020.00	846.71	0.00	.06	0.00	171.46	100.00
15610.000	1280.00	847.06	.35	.07	0.00	176.21	100.00
15760.000	500.00	844.53	0.00	.58	0.00	114.07	150.00
15760.000	710.00	845.98	0.50	.20	0.00	135.80	150.00
15760.000	1020.00	846.91	0.00	.20	0.00	149.95	150.00
15760.000	1280.00	847.31	.39	.25	0.00	155.98	150.00
16009.000	500.00	847.98	0.00	3.45	0.00	51.09	249.00
* 16009.000	710.00	848.20	0.00	2.22	0.00	62.67	249.00
* 16009.000	1020.00	849.07	0.00	2.15	0.00	126.17	249.00
* 16009.000	1280.00	849.46	.40	2.15	0.00	142.20	249.00
* 16059.000	500.00	849.48	0.00	1.50	0.00	120.29	50.00
16059.000	710.00	850.07	0.00	1.87	0.00	152.41	50.00
16059.000	1020.00	850.64	0.00	1.57	0.00	184.33	50.00
16059.000	1280.00	851.11	.47	1.64	0.00	207.53	50.00
* 16101.000	500.00	850.11	0.00	.63	0.00	49.50	42.00
16101.000	710.00	853.63	0.00	3.56	0.00	145.92	42.00
16101.000	1020.00	854.30	0.00	3.66	0.00	165.39	42.00
16101.000	1280.00	854.69	.39	3.59	0.00	176.63	42.00
16151.000	500.00	853.14	0.00	3.03	0.00	121.35	50.00
16151.000	710.00	853.72	0.00	.10	0.00	133.79	50.00
16151.000	1020.00	854.41	0.00	.11	0.00	148.53	50.00
16151.000	1280.00	854.82	.41	.12	0.00	157.14	50.00

SUMMARY OF ERRORS

CAUTION SECNO=13268.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=13268.000 PROFILE= 2 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=13268.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=13268.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO=13268.000 PROFILE= 3 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=13268.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=13268.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO=13268.000 PROFILE= 4 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=13268.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=13268.000 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO=14679.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=14679.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=14679.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO=14679.000 PROFILE= 2 HYDRAULIC JUMP D.S.

STREAM # 13, 10, 50, 100 & 500 YR PROFILES

SUMMARY PRINTOUT

FEB 1977

DLO

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
7300.00	0.00	0.00	0.00	795.00	1050.00	800.14	0.00	800.48	59.94	5.59	364.2
7300.00	0.00	0.00	0.00	795.00	1640.00	801.07	0.00	801.44	59.73	6.24	543.2
7300.00	0.00	0.00	0.00	795.00	1950.00	801.47	0.00	801.85	59.89	6.52	627.2
7300.00	0.00	0.00	0.00	795.00	3200.00	802.83	0.00	803.26	59.69	7.40	935.6
7400.00	100.00	0.00	0.00	795.00	1050.00	800.75	0.00	800.94	32.98	4.46	477.9
7400.00	100.00	0.00	0.00	795.00	1640.00	801.69	0.00	801.92	35.98	5.16	670.7
7400.00	100.00	0.00	0.00	795.00	1950.00	802.10	0.00	802.34	36.94	5.45	763.5
7400.00	100.00	0.00	0.00	795.00	3200.00	803.46	0.00	803.77	40.12	6.39	1093.5
7500.00	100.00	0.00	0.00	795.00	1050.00	801.09	0.00	801.23	24.13	3.97	546.6
7500.00	100.00	0.00	0.00	795.00	1640.00	802.06	0.00	802.24	26.06	4.63	755.1
7500.00	100.00	0.00	0.00	795.00	1950.00	802.48	0.00	802.68	28.08	4.92	852.0
7500.00	100.00	0.00	0.00	795.00	3200.00	803.89	0.00	804.14	31.36	5.84	1203.8
7940.00	440.00	0.00	0.00	799.00	990.00	802.59	0.00	802.72	51.43	4.07	574.7
7940.00	440.00	0.00	0.00	799.00	1590.00	803.53	0.00	803.64	37.56	4.07	900.0
7940.00	440.00	0.00	0.00	799.00	1910.00	803.95	0.00	804.06	34.47	4.14	1052.6
7940.00	440.00	0.00	0.00	799.00	3100.00	805.34	0.00	805.45	27.42	4.37	1587.8
8000.00	60.00	0.00	0.00	799.00	990.00	802.89	0.00	802.97	32.97	3.44	674.9
8000.00	60.00	0.00	0.00	799.00	1590.00	803.75	0.00	803.84	29.36	3.72	980.1
8000.00	60.00	0.00	0.00	799.00	1910.00	804.16	0.00	804.25	28.38	3.86	1125.5
8000.00	60.00	0.00	0.00	799.00	3100.00	805.51	0.00	805.61	24.13	4.17	1658.8
8100.00	100.00	0.00	0.00	799.00	922.00	803.18	0.00	803.24	22.11	2.96	777.6
8100.00	100.00	0.00	0.00	799.00	1590.00	804.03	0.00	804.10	22.11	3.35	1081.0
8100.00	100.00	0.00	0.00	799.00	1910.00	804.43	0.00	804.50	21.93	3.51	1229.9
8100.00	100.00	0.00	0.00	799.00	3100.00	805.75	0.00	805.83	20.61	3.95	1751.1
9480.00	1380.00	0.00	0.00	803.40	930.00	807.56	0.00	807.64	51.32	3.91	557.4
9480.00	1380.00	0.00	0.00	803.40	1530.00	808.35	0.00	808.44	49.03	4.36	806.0
9480.00	1380.00	0.00	0.00	803.40	1830.00	808.68	0.00	808.79	48.05	4.54	918.4
9480.00	1380.00	0.00	0.00	803.40	2900.00	809.73	0.00	809.85	45.28	5.04	1297.3
11680.00	2200.00	0.00	0.00	809.40	890.00	815.74	0.00	815.85	27.96	3.85	556.0
11680.00	2200.00	0.00	0.00	809.40	1350.00	816.51	0.00	816.62	28.23	4.20	799.7
11680.00	2200.00	0.00	0.00	809.40	1640.00	816.88	0.00	817.00	25.06	4.42	923.2
11680.00	2200.00	0.00	0.00	809.40	2300.00	817.70	0.00	817.83	28.24	4.69	1206.4

SUMMARY PRINTOUT

FEB 1977

DLG

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
7300.00	1050.00	800.14	0.00	-1	0.00	183.18	0.00
7300.00	1640.00	801.07	.93	8.18	0.00	203.55	0.00
7300.00	1950.00	801.47	.40	8.16	0.00	212.43	0.00
7300.00	3200.00	802.83	1.36	8.19	0.00	242.28	0.00
7400.00	1050.00	800.75	0.00	.60	0.00	196.36	100.00
7400.00	1640.00	801.69	.94	.62	0.00	216.89	100.00
7400.00	1950.00	802.10	.41	.62	0.00	226.11	100.00
7400.00	3200.00	803.46	1.37	.63	0.00	256.21	100.00
7500.00	1050.00	801.09	0.00	.34	0.00	203.91	100.00
7500.00	1640.00	802.06	.97	.37	0.00	225.29	100.00
7500.00	1950.00	802.48	.42	.38	0.00	234.56	100.00
7500.00	3200.00	803.89	1.41	.42	0.00	265.51	100.00
7940.00	990.00	802.59	0.00	1.51	0.00	335.91	440.00
7940.00	1590.00	803.23	.94	1.47	0.00	357.94	440.00
7940.00	1910.00	803.95	.42	1.47	0.00	367.53	440.00
7940.00	3100.00	805.34	1.39	1.46	0.00	400.57	440.00
8000.00	990.00	802.89	0.00	.29	0.00	342.85	60.00
8000.00	1590.00	803.75	.86	.22	0.00	363.17	60.00
8000.00	1910.00	804.16	.40	.21	0.00	372.46	60.00
8000.00	3100.00	805.51	1.35	.17	0.00	404.71	60.00
8100.00	990.00	803.18	0.00	.30	0.00	349.82	100.00
8100.00	1590.00	804.03	.84	.28	0.00	369.64	100.00
8100.00	1910.00	804.43	.40	.27	0.00	378.99	100.00
8100.00	3100.00	805.75	1.32	.24	0.00	410.03	100.00
9480.00	930.00	807.26	0.00	4.38	0.00	305.91	1380.00
9480.00	1530.00	808.35	.79	4.32	0.00	325.46	1380.00
9480.00	1830.00	808.68	.34	4.26	0.00	333.39	1380.00
9480.00	2900.00	809.73	1.05	3.98	0.00	392.89	1380.00
11680.00	890.00	815.74	0.00	6.18	0.00	296.98	2200.00
11680.00	1350.00	816.51	.76	8.16	0.00	327.47	2200.00
11680.00	1640.00	816.88	.37	8.19	0.00	335.07	2200.00
11680.00	2300.00	817.70	.82	7.97	0.00	351.87	2200.00

STREAM NO. 13 FLOODWAY

SUMMARY PRINTOUT

APR 1977

D.L.O

SECTID	XLCH	STENGL	STCHL	STCHR	STENCH	HV	HL	10K+S
7300.00	0.00	9.00	230.00	255.00	0.00	.38	0.00	60.09
7300.00	0.00	208.18	230.00	255.00	285.67	.55	0.00	59.17
7400.00	100.00	0.00	230.00	255.00	0.00	.25	.46	36.99
7400.00	100.00	203.07	230.00	255.00	296.93	.35	.46	36.26
7500.00	100.00	0.00	230.00	255.00	0.00	.20	.32	28.11
7500.00	100.00	196.59	230.00	255.00	306.37	.25	.30	25.53
7940.00	440.00	0.00	445.00	475.00	0.00	.11	1.36	34.48
7940.00	440.00	311.07	445.00	475.00	475.00	.15	1.32	35.74
8000.00	60.00	0.00	445.00	475.00	0.00	.09	.19	28.39
8000.00	60.00	303.00	445.00	475.00	475.00	.12	.19	28.95
8100.00	100.00	0.00	445.00	475.00	0.00	.07	.25	21.93
8100.00	100.00	280.05	445.00	475.00	475.00	.09	.24	20.81
9480.00	1380.00	0.00	710.00	726.00	0.00	.10	4.28	48.84
9480.00	1380.00	610.41	710.00	726.00	752.92	.19	4.33	54.13
11680.00	2200.00	0.00	1000.00	1018.00	0.00	.12	8.20	29.06
11680.00	2200.00	834.81	1000.00	1018.00	1030.36	.15	8.12	25.87

Stream No 13

FLOODWAY DATA, APR 1977
PROFILE NO. 2

DLW

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
7300.000	77.	436.	4.5	802.4	801.5	0.9
7400.000	93.	560.	3.5	803.1	802.1	1.0
7500.000	110.	680.	2.9	803.5	802.5	1.0
7940.000	164.	766.	2.5	804.9	803.9	1.0
8000.000	172.	838.	2.3	805.1	804.2	1.0
8100.000	195.	983.	1.9	805.4	804.4	1.0
A 9480.000	143.	650.	2.8	809.7	808.7	1.0
B 11080.000	196.	798.	2.1	817.9	816.9	1.0

 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY-- 50 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,TRIBUTARY 4R
 T3 FEB 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	.006000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLDT	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= .200 CEHV= .400

*SECNO 7300,000

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
7300.00	6.07	801.07	0.00	0.00	801.44	.37	0.00	0.00	796.00
1640.	361.	934.	345.	189.	150.	205.	0.	0.	796.00
0.00	1.91	6.24	1.69	.120	.060	.120	0.000	795.00	152.51
.005973	0.	0.	0.	0	0	6	0.00	203.55	356.06

*SECNO 7400,000

7400.00	6.69	801.69	0.00	0.00	801.92	.23	.46	.03	796.00
1640.	392.	851.	397.	237.	165.	269.	1.	0.	796.00
.01	1.65	5.16	1.48	.120	.060	.120	.059	795.00	148.26
.003598	100.	100.	100.	1	0	1	0.00	216.89	365.15

*SECNO 7500,000

7500.00	7.06	802.06	0.00	0.00	802.24	.18	.31	.01	796.00
1640.	407.	808.	425.	269.	174.	312.	3.	1.	796.00
.02	1.51	4.63	1.36	.120	.060	.120	.059	795.00	145.59
.002686	100.	100.	100.	2	0	1	0.00	225.29	370.88

*SECNO 7940,000

7940.00	4.53	803.53	0.00	0.00	803.64	.11	1.38	.01	800.00
1590.	952.	545.	93.	682.	134.	84.	11.	4.	800.00
.07	1.40	4.07	1.11	.120	.060	.120	.060	799.00	164.70
.003756	440.	440.	440.	2	0	1	0.00	357.94	522.65

*SECNO 8000,000

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY--500 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,TRIBUTARY 4R
 T3 FEB 1977 DLG

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	5.	0.	0.	.006000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPL0T	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	0.000

*PROF. 4

CCHV= .200 CEHV= .400

*SECNO 7300.000

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
7300.00	7.83	802.83	0.00	0.00	803.26	.43	0.00	0.00	796.00
3200.	842.	1434.	924.	336.	194.	406.	0.	0.	796.00
0.00	2.51	7.40	2.28	.120	.060	.120	0.000	795.00	140.18
.005969	0.	0.	0.	0	0	5	0.00	242.28	382.46

*SECNO 7400.000

7400.00	8.46	803.46	0.00	0.00	803.77	.31	.48	.02	796.00
3200.	872.	1340.	987.	394.	210.	489.	2.	1.	796.00
.01	2.21	6.39	2.02	.120	.060	.120	.059	795.00	135.75
.004012	100.	100.	100.	2	0	1	0.00	256.21	391.96

*SECNO 7500.000

7500.00	8.89	803.89	0.00	0.00	804.14	.25	.35	.01	796.00
3200.	889.	1286.	1025.	435.	220.	549.	5.	1.	796.00
.02	2.04	5.84	1.87	.120	.060	.120	.059	795.00	132.79
.003136	100.	100.	100.	2	0	1	0.00	265.51	398.30

*SECNO 7940.000

7940.00	6.34	805.34	0.00	0.00	805.45	.11	1.29	.03	800.00
3100.	2038.	822.	240.	1207.	188.	193.	19.	5.	800.00
.07	1.69	4.37	1.25	.120	.060	.120	.060	799.00	146.57
.002742	440.	440.	440.	2	0	1	0.00	400.57	547.13

*SECNO 8000.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
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T1 GUILFORD COUNTY FIA STUDY--100 YR NATURAL
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,IRIBUTARY 4R
 T3 APR 1977 DLG

J1	ICHECK	INQ	MINV	INDR	STRT	METRIC	HVINS	IBK	CHNIM	WSEL	FO
J1	-1.	4.	0.	0.	.006000	0.00	0.0	0.	801.470	0.000	0.000
J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBK	CHNIM	ITRACE	
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
J3	-2.000	39.000	27.000	21.000	21.000	27.000	28.000	10.000	11.000	5.000	0.000
J3	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J4	-3.000	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	.400	0.000	0.000	0.000	0.000	0.000
QT	5.000	1050.000	1640.000	1950.000	3200.000	1950.000	1950.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	9.400	0.000	0.000	0.000	0.000
X1	7300.000	12.000	230.000	255.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	820.000	0.000	810.000	90.000	800.000	160.000	160.000	798.000	210.000	796.000	230.000
GR	795.000	232.000	795.000	253.000	796.000	255.000	255.000	798.000	265.000	800.000	340.000
GR	810.000	490.000	820.000	580.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	7400.000	0.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
X1	7500.000	0.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
QT	4.000	990.000	1590.000	1910.000	3100.000	1910.000	1910.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
X1	7940.000	9.000	445.000	475.000	440.000	440.000	440.000	440.000	0.000	0.000	0.000
GR	820.000	9.000	810.000	106.000	802.000	160.000	160.000	805.000	445.000	799.000	447.000
GR	790.000	475.000	800.000	475.000	810.000	610.000	610.000	820.000	650.000	0.000	0.000
X1	8000.000	0.000	0.000	0.000	0.000	60.000	60.000	60.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
X1	8100.000	0.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
QT	5.000	930.000	1530.000	1630.000	2900.000	1830.000	1830.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	12.400	0.000	0.000	0.000	0.000
X1	9480.000	28.000	710.000	726.000	1389.000	1389.000	1389.000	1380.000	0.000	0.000	0.000
GR	824.200	200.000	809.800	275.000	814.200	510.000	510.000	813.900	398.000	812.400	403.000
GR	814.600	428.000	815.500	452.000	814.300	463.000	463.000	815.600	478.000	816.500	500.000
GR	816.000	514.000	806.000	520.000	804.800	600.000	600.000	805.200	700.000	805.800	710.000
GR	808.700	712.000	803.400	722.000	805.800	726.000	726.000	807.600	800.000	813.500	850.000
GR	807.300	910.000	805.700	962.000	805.900	965.000	965.000	809.000	967.000	809.500	1000.000
GR	814.000	1050.000	816.600	1100.000	823.100	1200.000	1200.000	0.000	0.000	0.000	0.000
QT	5.000	890.000	1320.000	1640.000	2300.000	1640.000	1640.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
X1	11680.000	17.000	1000.000	1018.000	2200.000	2200.000	2200.000	2200.000	0.000	0.000	0.000

GR	833.300	890.000	818.900	730.000	814.700	800.000	810.800	850.000	815.300	880.000
GR	815.900	910.000	814.200	921.000	815.800	934.000	815.400	963.000	812.500	1000.000
GR	809.400	1003.000	809.400	1015.000	812.700	1018.000	815.800	1100.000	821.700	1150.000
GH	828.300	1200.000	832.900	1250.000	0.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

STREAM 18

T1 GUILFORD COUNTY FIA STUDY-- 10 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,TRIBUTARY'S
 T3 FEB 1977 OLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FO
	1.	2.	0.	0.	002000	0.00	0.0	0.	760.000	0.000
J2	NPROF	IPLUT	PREVS	XSECV	XSECH	FN	ALLDC	IRN	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
BT	4.000	550.000	1100.000	1400.000	2650.000	0.000	0.000	0.000	0.000	0.000
X1	0.000	16.000	500.000	524.000	0.000	0.000	0.000	0.000	1.000	-2.600
GR	775.000	250.000	771.600	300.000	767.900	350.000	762.600	400.000	762.000	450.000
GR	762.600	500.000	758.800	503.000	758.200	511.000	759.200	517.000	763.900	524.000
GR	762.400	550.000	762.900	600.000	763.400	650.000	764.600	700.000	765.800	750.000
GR	756.100	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	50.000	0.000	0.000	0.000	50.000	50.000	50.000	50.000	1.000	.300
X1	100.000	0.000	0.000	0.000	50.000	50.000	50.000	50.000	1.000	.300
X1	200.000	0.000	0.000	0.000	100.000	100.000	100.000	100.000	1.000	.700
X1	400.000	0.000	0.000	0.000	200.000	200.000	200.000	200.000	1.000	1.300
X1	450.000	25.000	500.000	516.000	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	764.600	764.600
GR	770.000	320.000	767.900	450.000	762.600	400.000	762.000	450.000	762.600	500.000
GR	761.600	500.000	759.300	500.700	759.600	503.000	759.300	505.300	761.600	506.000
GR	761.600	509.500	759.300	510.200	759.300	512.500	759.300	514.800	761.600	515.500
GR	762.500	516.000	762.400	520.000	762.400	550.000	762.900	500.000	763.400	650.000
GR	764.600	700.000	765.800	750.000	766.100	800.000	770.700	850.000	770.900	900.000
Sb	.900	1.500	2.500	0.000	0.900	0.000	59.400	0.000	0.000	0.000
X1	501.000	0.000	0.000	0.000	42.000	42.000	42.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	1.000	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	767.800	767.800
BT	25.000	320.000	774.000	0.000	350.000	772.500	0.000	400.000	770.400	0.000
BT	450.000	768.800	0.000	500.000	762.500	0.000	500.000	767.800	761.500	500.700
BT	767.800	765.900	503.000	767.000	761.600	505.300	767.800	763.900	506.000	767.800
BT	761.600	509.500	767.800	761.600	519.200	767.800	763.900	512.500	767.800	764.600

THIS RUN EXECUTED 26 MAY 77 13.01

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY-- 50 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,TRIBUTARY 6
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	3.	0.	0.	.005000	0.00	0.0	0.	762.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBH	CHNIN	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 2

CCHV= .200 CEHV= .400

*SECNO .000

SECNO	DEPTH	WSEL	CRHS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOR	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	
0.00	6.29	761.89	0.00	762.00	762.05	.17	0.00	0.00	760.00	
1100.	337.	521.	243.	235.	115.	218.	0.	0.	761.30	
0.00	1.43	4.55	1.11	.120	.060	.120	0.000	755.60	382.21	
.005000	0.	0.	0.	0	0	5	0.00	313.03	695.24	

*SECNO 50.000

50.00	6.24	762.14	0.00	0.00	762.31	.18	.26	.00	760.30	
1100.	334.	529.	237.	229.	113.	209.	1.	0.	761.60	
.00	1.46	4.67	1.13	.120	.060	.120	.059	755.90	382.68	
.005347	50.	50.	50.	0	0	0	0.00	310.48	693.16	

*SECNO 100.000

100.00	6.21	762.41	0.00	0.00	762.59	.19	.27	.00	760.60	
1100.	333.	535.	232.	225.	112.	204.	1.	1.	761.90	
.01	1.48	4.75	1.14	.120	.060	.120	.059	756.20	383.00	
.005601	50.	50.	50.	1	0	0	0.00	308.72	691.73	

*SECNO 200.000

200.00	6.09	762.99	0.00	0.00	763.21	.21	.60	.01	761.30	
1100.	327.	554.	219.	213.	110.	185.	2.	1.	762.60	
.02	1.54	5.05	1.18	.120	.060	.120	.059	756.90	384.04	
.006511	100.	100.	100.	2	0	0	0.00	303.12	687.16	

*SECNO 409.000

SECNO	DEPTH	WSEL	CRHS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOR	ACH	AROB	VOL	TWA	LEFT/RIGHT	

THIS RUN EXECUTED 26 MAY 77 13.01

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,TRIBUTARY 6
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVING	Q	WSEL	FQ
	-10.	4.	0.	0.	.005000	0.00	0.0	0.	764.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSFCH	FN	ALLDC	IRW	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= .200 CEHV= .400

*SECNO .000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
0.00	6.67	762.27	0.00	764.00	762.44	.17	0.00	0.00	760.00
1400.	445.	591.	364.	281.	124.	287.	0.	0.	761.30
0.00	1.50	4.78	1.27	.120	.060	.120	0.000	755.60	378.58
.004983	0.	0.	0.	0	0	4	0.00	332.69	711.27

*SECNO 50.000

50.00	6.62	762.52	0.00	0.00	762.70	.18	.26	.00	760.30
1400.	443.	600.	357.	275.	123.	277.	1.	0.	761.60
.00	1.61	4.90	1.29	.120	.060	.120	.059	755.90	379.00
.005299	50.	50.	50.	0	0	0	0.00	330.08	709.14

*SECNO 100.000

100.00	6.59	762.79	0.00	0.00	762.98	.19	.27	.00	760.60
1400.	441.	607.	352.	270.	122.	270.	2.	1.	761.90
.01	1.63	4.99	1.30	.120	.060	.120	.059	756.20	379.45
.005575	50.	50.	50.	0	0	0	0.00	327.97	707.42

*SECNO 200.000

200.00	6.47	763.37	0.00	0.00	763.50	.21	.60	.01	761.30
1400.	437.	627.	336.	257.	119.	250.	3.	2.	762.60
.02	1.70	5.27	1.34	.120	.060	.120	.059	756.90	380.49
.006399	100.	100.	100.	2	0	0	0.00	322.35	702.84

*SECNO 409.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY--500 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,TRIBUTARY 6
 T3 FEB 1977 DLO

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	.005000	0.00	0.0	0.	765.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 4

CCHV= .200 CEHV= .400
 *SECNO .000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
0.00	7.89	763.49	0.00	765.00	763.68	.19	0.00	0.00	760.00
2650.	878.	842.	931.	437.	153.	552.	0.	0.	761.30
0.00	2.01	5.50	1.69	.120	.060	.120	0.000	755.60	367.05
.004968	0.	0.	0.	0	0	4	0.00	431.73	798.78

*SECNO 50.000

50.00	7.84	763.74	0.00	0.00	763.94	.19	.25	.00	760.30
2650.	877.	851.	922.	430.	152.	538.	1.	0.	761.60
.00	2.04	5.60	1.71	.120	.060	.120	.059	755.90	367.54
.005212	50.	50.	50.	0	0	0	0.00	422.64	790.17

*SECNO 100.000

100.00	7.80	764.00	0.00	0.00	764.20	.20	.27	.00	760.60
2650.	877.	858.	915.	424.	151.	527.	3.	1.	761.90
.01	2.07	5.69	1.74	.120	.060	.120	.059	756.20	367.96
.005433	50.	50.	50.	0	0	0	0.00	414.81	782.76

*SECNO 200.000

200.00	7.67	764.57	0.00	0.00	764.79	.23	.58	.01	761.30
2650.	876.	882.	892.	407.	148.	494.	5.	2.	762.60
.02	2.15	5.97	1.81	.120	.060	.120	.059	756.90	369.18
.006146	100.	100.	100.	2	0	0	0.00	391.93	761.11

*SECNO 400.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLD

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	FLTRD	FLLC	ELMIN	Q	CWSEL	CRINS	EG	10K+S	VCH	AREA
0.000	0.00	0.00	0.00	755.60	550.00	760.96	0.00	761.13	49.05	3.96	301.
0.000	0.00	0.00	0.00	755.60	1100.00	761.89	0.00	762.05	50.04	4.55	567.
0.000	0.00	0.00	0.00	755.60	1400.00	762.27	0.00	762.44	49.81	4.78	691.
0.000	0.00	0.00	0.00	755.60	2650.00	763.49	0.00	763.68	49.68	5.50	1142.
50.000	50.00	0.00	0.00	755.90	550.00	761.21	0.00	761.39	53.55	4.11	287.
50.000	50.00	0.00	0.00	755.90	1100.00	762.14	0.00	762.31	53.47	4.67	552.
50.000	50.00	0.00	0.00	755.90	1400.00	762.52	0.00	762.70	52.99	4.90	675.
50.000	50.00	0.00	0.00	755.90	2650.00	763.74	0.00	763.94	52.12	5.60	1120.
100.000	50.00	0.00	0.00	756.20	550.00	761.48	0.00	761.67	56.80	4.21	277.
100.000	50.00	0.00	0.00	756.20	1100.00	762.41	0.00	762.59	56.01	4.75	541.
100.000	50.00	0.00	0.00	756.20	1400.00	762.79	0.00	762.98	55.75	4.99	661.
100.000	50.00	0.00	0.00	756.20	2650.00	764.00	0.00	764.20	54.33	5.69	1101.
200.000	100.00	0.00	0.00	756.90	550.00	762.07	0.00	762.30	66.91	4.51	252.
200.000	100.00	0.00	0.00	756.90	1100.00	762.99	0.00	763.21	65.11	5.05	507.
200.000	100.00	0.00	0.00	756.90	1400.00	763.37	0.00	763.58	63.99	5.27	625.
200.000	100.00	0.00	0.00	756.90	2650.00	764.57	0.00	764.79	61.46	5.97	1048.
409.000	209.00	0.00	0.00	758.20	550.00	763.43	0.00	763.64	60.79	4.34	267.
409.000	209.00	0.00	0.00	758.20	1100.00	764.33	0.00	764.53	61.82	4.94	519.
409.000	209.00	0.00	0.00	758.20	1400.00	764.69	0.00	764.90	62.12	5.21	633.
409.000	209.00	0.00	0.00	758.20	2650.00	765.86	0.00	766.08	62.08	5.99	1044.
459.000	50.00	0.00	0.00	758.30	550.00	763.34	0.00	764.84	559.33	9.83	55.
459.000	50.00	0.00	0.00	758.30	1100.00	764.75	0.00	764.83	49.67	3.75	648.
459.000	50.00	0.00	0.00	758.30	1400.00	765.12	0.00	765.20	50.12	3.95	771.
459.000	50.00	0.00	0.00	758.30	2650.00	766.28	0.00	766.39	51.63	4.58	1220.
501.000	42.00	767.60	764.60	758.30	550.00	764.49	0.00	765.34	230.18	7.40	74.
501.000	42.00	767.60	764.60	758.30	1100.00	768.65	0.00	768.65	1.45	.95	2313.
501.000	42.00	767.60	764.60	758.30	1400.00	769.04	0.00	769.04	1.86	1.10	2506.
501.000	42.00	767.60	764.60	758.30	2650.00	770.10	0.00	770.11	3.74	1.68	3049.
551.000	50.00	0.00	0.00	758.90	550.00	765.60	0.00	765.64	10.62	2.24	440.
551.000	50.00	0.00	0.00	758.90	1100.00	768.64	0.00	768.68	5.64	2.24	942.
551.000	50.00	0.00	0.00	758.90	1400.00	769.03	0.00	769.08	7.43	2.66	1018.
551.000	50.00	0.00	0.00	758.90	2650.00	770.06	0.00	770.19	16.02	4.21	1233.

SECNO	XLCH	FLTRD	FLLC	FLMIN	Q	CWSEL	CRHS	EG	10K+S	VCH	AREA
900.000	349.00	0.00	0.00	760.50	550.00	766.13	0.00	766.25	29.50	3.41	326.
900.000	349.00	0.00	0.00	760.50	1100.00	768.88	0.00	768.94	9.73	2.70	843.
900.000	349.00	0.00	0.00	760.50	1400.00	769.34	0.00	769.41	11.73	3.09	938.
900.000	349.00	0.00	0.00	760.50	2650.00	770.67	0.00	770.81	19.46	4.14	1232.
1770.000	870.00	0.00	0.00	765.00	550.00	769.72	0.00	769.97	64.97	4.63	226.
1770.000	870.00	0.00	0.00	765.00	1100.00	770.59	0.00	770.93	82.91	5.98	381.
1770.000	870.00	0.00	0.00	765.00	1400.00	771.23	0.00	771.52	66.63	5.84	506.
1770.000	870.00	0.00	0.00	765.00	2650.00	773.14	0.00	773.41	49.03	6.15	921.
3480.000	1610.00	0.00	0.00	773.80	500.00	779.33	0.00	779.55	54.24	4.46	215.
3480.000	1610.00	0.00	0.00	773.80	1000.00	780.70	0.00	780.92	46.79	4.97	416.
3480.000	1610.00	0.00	0.00	773.80	1350.00	781.15	0.00	781.43	56.74	5.76	467.
3480.000	1610.00	0.00	0.00	773.80	2500.00	782.47	0.00	782.87	71.71	7.36	705.
6606.000	3126.00	0.00	0.00	794.10	400.00	798.73	0.00	798.93	74.24	4.60	179.
6606.000	3126.00	0.00	0.00	794.10	880.00	799.72	0.00	799.98	86.40	5.84	350.
6606.000	3126.00	0.00	0.00	794.10	1100.00	800.28	0.00	800.49	66.73	5.54	469.
6606.000	3126.00	0.00	0.00	794.10	2050.00	801.79	0.00	801.98	50.84	5.74	852.
6656.000	50.00	0.00	0.00	795.10	400.00	799.30	0.00	799.71	345.58	7.69	134.
6656.000	50.00	0.00	0.00	795.10	880.00	800.38	0.00	800.58	172.53	6.50	328.
6656.000	50.00	0.00	0.00	795.10	1100.00	800.79	0.00	800.97	145.19	6.31	413.
6656.000	50.00	0.00	0.00	795.10	2050.00	802.17	0.00	802.32	93.20	5.96	769.
6704.000	48.00	804.30	801.10	795.10	400.00	801.34	0.00	803.52	647.54	11.85	33.
6704.000	48.00	804.30	801.10	795.10	880.00	805.50	0.00	805.50	1.13	.95	1864.
6704.000	48.00	804.30	801.10	795.10	1100.00	805.80	0.00	805.80	1.53	1.13	1960.
6704.000	48.00	804.30	801.10	795.10	2050.00	806.67	0.00	806.69	3.55	1.82	2248.
6754.000	50.00	0.00	0.00	795.30	400.00	803.97	0.00	803.97	.48	.63	1476.
6754.000	50.00	0.00	0.00	795.30	880.00	805.50	0.00	805.51	.95	1.01	2011.
6754.000	50.00	0.00	0.00	795.30	1100.00	805.80	0.00	805.81	1.27	1.20	2121.
6754.000	50.00	0.00	0.00	795.30	2050.00	806.69	0.00	806.70	2.90	1.92	2450.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.000	550.00	760.96	0.00	0.00	.96	259.38	0.00
0.000	1100.00	761.89	0.00	0.00	-.11	313.03	0.00
0.000	1400.00	762.27	0.00	0.00	-1.73	332.69	0.00
0.000	2650.00	763.49	1.22	0.00	-1.51	431.73	0.00
50.000	550.00	761.21	0.00	.25	0.00	255.55	50.00
50.000	1100.00	762.14	0.00	.25	0.00	310.48	50.00
50.000	1400.00	762.52	0.00	.25	0.00	330.08	50.00
50.000	2650.00	763.74	1.22	.25	0.00	422.64	50.00
100.000	550.00	761.48	0.00	.27	0.00	253.00	50.00
100.000	1100.00	762.41	0.00	.27	0.00	308.72	50.00
100.000	1400.00	762.79	0.00	.27	0.00	327.97	50.00
100.000	2650.00	764.00	1.22	.26	0.00	414.81	50.00
200.000	550.00	762.07	0.00	.59	0.00	244.11	100.00
200.000	1100.00	762.99	0.00	.59	0.00	303.12	100.00
200.000	1400.00	763.37	0.00	.58	0.00	322.35	100.00
200.000	2650.00	764.57	1.20	.56	0.00	391.93	100.00
409.000	550.00	763.43	0.00	1.36	0.00	250.08	209.00
409.000	1100.00	764.33	0.00	1.34	0.00	305.03	209.00
409.000	1400.00	764.69	0.00	1.32	0.00	323.55	209.00
409.000	2650.00	765.86	1.16	1.29	0.00	390.11	209.00
459.000	550.00	763.34	0.00	-.09	0.00	16.00	50.00
459.000	1100.00	764.75	0.00	.42	0.00	326.72	50.00
459.000	1400.00	765.12	0.00	.42	0.00	345.31	50.00
459.000	2650.00	766.28	1.17	.43	0.00	436.74	50.00
501.000	550.00	764.49	0.00	1.15	0.00	16.00	42.00
501.000	1100.00	768.65	0.00	3.89	0.00	488.47	42.00
501.000	1400.00	769.04	0.00	3.92	0.00	498.36	42.00
501.000	2650.00	770.10	1.06	3.82	0.00	523.53	42.00
551.000	550.00	765.60	0.00	1.11	0.00	138.63	50.00
551.000	1100.00	768.64	0.00	-.01	0.00	191.11	50.00
551.000	1400.00	769.03	0.00	-.01	0.00	198.29	50.00
551.000	2650.00	770.06	1.04	-.04	0.00	217.25	50.00
900.000	550.00	766.13	0.00	.53	0.00	170.84	349.00
900.000	1100.00	768.88	0.00	.24	0.00	205.79	349.00
900.000	1400.00	769.34	0.00	.31	0.00	211.58	349.00
900.000	2650.00	770.67	1.34	.61	0.00	227.42	349.00
1770.000	550.00	769.72	0.00	3.58	0.00	168.45	870.00
1770.000	1100.00	770.59	0.00	1.70	0.00	189.34	870.00
1770.000	1400.00	771.23	0.00	1.59	0.00	200.48	870.00
1770.000	2650.00	773.14	1.91	2.47	0.00	233.76	870.00
3480.000	500.00	779.33	0.00	9.61	0.00	135.54	1610.00
3480.000	1000.00	780.70	0.00	10.11	0.00	133.78	1610.00
3480.000	1350.00	781.15	0.00	9.92	0.00	158.51	1610.00
3480.000	2500.00	782.47	1.32	9.33	0.00	172.34	1610.00

SECNO	U	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6606.000	400.00	798.73	0.00	19.40	0.00	142.20	3126.00
6606.000	880.00	799.72	0.00	19.02	0.00	200.94	3126.00
6606.000	1100.00	800.28	0.00	19.13	0.00	223.47	3126.00
6606.000	2050.00	801.79	1.51	19.32	0.00	281.11	3126.00
6656.000	400.00	799.30	0.00	.57	0.00	151.03	50.00
6656.000	880.00	800.38	0.00	.66	0.00	205.38	50.00
6656.000	1100.00	800.79	0.00	.51	0.00	224.01	50.00
6656.000	2050.00	802.17	1.38	.38	0.00	282.83	50.00
6704.000	400.00	801.34	0.00	2.05	0.00	6.00	48.00
6704.000	880.00	805.50	0.00	5.12	0.00	318.12	48.00
6704.000	1100.00	805.30	0.00	5.01	0.00	322.60	48.00
6704.000	2050.00	806.67	.88	4.50	0.00	335.73	48.00
6754.000	400.00	803.97	0.00	2.62	0.00	331.69	50.00
6754.000	880.00	805.50	0.00	.01	0.00	364.50	50.00
6754.000	1100.00	805.80	0.00	.01	0.00	370.90	50.00
6754.000	2050.00	806.69	.88	.02	0.00	389.77	50.00

SUMMARY OF ERRORS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD CO FIA
 T2 STREAM 34 10 YR
 T3 FEB 17 1977 HLJ

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINST	Q	WSEL	FO
	0.	2.	0.	0.	.011000	0.00	0.0	0.	738.000	0.000
J2	MPRO	IPLUT	PREVS	YSECV	XSECV	FN	ALLOC	IPWT	CENIN	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
BT	4.000	500.000	1000.000	1500.000	2500.000	1.000	0.000	0.000	0.000	0.000
X1	500.000	11.000	1000.000	1018.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	750.000	855.000	740.000	905.000	730.000	955.000	720.000	985.000	725.500	1000.000
GR	721.500	1005.000	721.500	1015.000	725.500	1018.000	726.000	1025.000	730.000	1025.000
GR	735.000	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	1550.000	10.000	1000.000	1020.000	1050.000	1050.000	1050.000	0.000	0.000	0.000
GR	756.000	760.000	750.000	870.000	740.000	910.000	730.000	1000.000	733.000	1005.000
GR	733.000	1015.000	738.000	1020.000	740.000	1070.000	750.000	1110.000	700.000	1140.000
MC	0.000	0.000	0.000	.350	.700	0.000	0.000	0.000	0.000	0.000
X1	1751.000	10.000	1000.000	1025.000	210.000	210.000	210.000	0.000	0.000	0.000
GR	750.000	865.000	750.000	915.000	741.000	950.000	740.400	1000.000	735.000	1015.000
GR	735.000	1010.000	735.700	1025.000	730.300	1028.000	740.000	1020.000	760.000	1140.000
X1	1700.000	9.000	1000.000	1016.000	20.000	20.000	20.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	745.700	745.700	0.000
GR	750.000	865.000	750.000	915.000	741.000	950.000	740.400	1000.000	735.000	1001.000
GR	735.000	1015.000	739.300	1016.000	740.000	1050.000	700.000	1140.000	0.000	0.000
SB	1.250	1.000	3.000	0.000	15.000	1.000	110.000	0.000	738.500	735.400
X1	2000.000	19.000	1000.000	1015.000	280.000	280.000	280.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	746.500	760.200	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	13.000	450.000	730.000	0.000	570.000	770.000	0.000	702.000	764.700	0.000
BT	777.000	761.600	0.000	525.000	760.800	0.000	869.000	760.200	0.000	924.000
BT	780.400	0.000	1000.000	762.500	0.000	1001.000	762.300	746.800	1014.000	762.500
BT	746.800	1015.000	762.500	0.000	1007.000	763.800	0.000	1100.000	770.000	0.000
GR	780.000	450.000	770.000	570.000	750.000	600.000	752.000	702.000	748.000	745.000
GR	747.000	777.000	746.000	800.000	745.500	825.000	744.500	869.000	744.000	900.000
GR	742.000	924.000	742.300	1000.000	731.500	1001.000	738.500	1014.000	741.200	1015.000
GR	742.000	1032.000	750.000	1007.000	760.000	1100.000	770.000	1160.000	0.000	0.000

X1	5496.000	14.000	1000.000	1015.000	33.000	35.000	33.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	779.900	782.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	782.400	782.400	0.000	0.000
BT	10.000	720.000	794.000	0.000	809.000	787.000	0.000	900.000	783.400	0.000
BT	1000.000	782.400	0.000	1001.000	782.400	779.900	1014.000	782.400	779.900	1015.000
RT	782.800	0.000	1100.000	785.200	0.000	1150.000	787.700	0.000	1300.000	800.000
RT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	797.000	720.000	790.500	800.000	786.700	830.000	781.200	875.000	781.000	900.000
GR	779.900	950.000	777.900	1000.000	775.100	1001.000	774.400	1000.000	777.800	1014.000
GR	779.500	1015.000	784.000	1100.000	787.700	1150.000	800.000	1300.000	0.000	0.000

X1	5506.000	11.000	1000.000	1024.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	797.000	720.000	790.000	810.000	786.700	830.000	781.200	875.000	779.900	950.000
GR	777.900	1000.000	775.000	1009.000	774.600	1015.000	779.500	1024.000	785.200	1125.000
GR	800.000	1300.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	5525.000	0.000	0.000	0.000	19.000	19.000	19.000	0.000	.200	0.000
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X1	5575.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000
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X1	5750.000	8.000	1000.000	1024.000	175.000	175.000	175.000	0.000	-1.500	0.000
GR	797.000	850.000	785.000	900.000	787.500	1000.000	780.000	1006.000	780.000	1014.000
GR	784.000	1024.000	789.000	1115.000	797.000	1200.000	0.000	0.000	0.000	0.000

X1	5850.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.500	0.000
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X1	6200.000	8.000	1000.000	1024.000	350.000	350.000	350.000	0.000	0.000	0.000
GR	810.000	500.000	790.000	930.000	787.000	1000.000	785.000	1007.000	785.000	1014.000
GR	789.000	1024.000	793.000	1100.000	803.000	1200.000	0.000	0.000	0.000	0.000

X1	6840.000	12.000	984.000	1000.000	640.000	640.000	640.000	0.000	0.000	0.000
GR	812.700	800.000	815.600	900.000	815.600	925.000	797.600	960.000	797.500	904.000
GR	794.200	991.000	794.300	1000.000	797.200	1000.000	792.300	1000.000	804.000	1100.000
GR	808.400	1150.000	815.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	4.000	300.000	700.000	850.000	1300.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	8525.000	15.000	1000.000	1017.000	1600.000	1605.000	1605.000	0.000	0.000	0.000
GR	833.000	740.000	822.000	820.000	821.500	944.000	815.700	950.000	815.900	1000.000
GR	812.500	1000.000	812.500	1009.000	812.600	1012.000	814.000	1017.000	817.400	1034.000
GR	818.200	1040.000	821.800	1071.000	835.000	1130.000	0.000	0.000	0.000	0.000

X1	8545.000	15.000	997.000	1002.940	2.000	20.000	20.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	810.100	810.100	0.000
GR	833.000	740.000	822.000	820.000	821.500	900.000	815.000	990.000	817.300	997.000
GR	814.900	997.000	813.100	998.800	813.100	1001.200	814.900	1002.940	817.300	1002.940
GR	815.000	1017.000	818.000	1057.000	837.000	1005.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	.500	1.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.200	2.900	0.000	0.000	.300	20.500	0.000	816.500	815.100

X1	8777.000	19.000	997.000	1002.940	252.000	252.000	252.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	822.400	824.100	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	824.100	824.100	0.000
BT	11.000	700.000	830.000	0.000	800.000	824.200	0.000	820.000	824.100	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

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

7 1977 HLJ

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	FLTRD	ELLG	FLMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
500.000	0.00	0.00	0.00	721.50	500.00	726.55	0.00	727.10	109.62	6.06	98.
500.000	0.00	0.00	0.00	721.50	1000.00	728.25	0.00	728.08	108.35	7.51	198.
500.000	0.00	0.00	0.00	721.50	1300.00	728.98	0.00	729.79	108.96	8.13	254.
500.000	0.00	0.00	0.00	721.50	2500.00	731.08	0.00	732.07	109.86	9.76	454.
1550.000	1050.00	0.00	0.00	733.00	500.00	738.38	0.00	738.94	116.00	6.05	87.
1550.000	1050.00	0.00	0.00	733.00	1000.00	739.91	0.00	740.62	113.51	7.39	240.
1550.000	1050.00	0.00	0.00	733.00	1300.00	740.48	0.00	741.16	107.12	7.66	332.
1550.000	1050.00	0.00	0.00	733.00	2500.00	742.10	0.00	742.79	93.93	8.41	620.
1761.000	210.00	0.00	0.00	735.00	500.00	740.48	0.00	740.79	63.11	4.52	126.
1761.000	210.00	0.00	0.00	735.00	1000.00	742.02	0.00	742.42	59.37	5.49	270.
1761.000	210.00	0.00	0.00	735.00	1300.00	742.51	0.00	742.98	67.15	6.19	336.
1761.000	210.00	0.00	0.00	735.00	2500.00	744.62	0.00	744.75	86.55	8.19	522.
1780.000	20.00	0.00	0.00	735.40	500.00	740.56	0.00	741.20	132.94	6.40	78.
1780.000	20.00	0.00	0.00	735.40	1000.00	741.29	0.00	743.46	250.68	10.07	99.
1780.000	20.00	0.00	0.00	735.40	1300.00	742.20	0.00	744.60	374.33	12.46	104.
1780.000	20.00	0.00	0.00	735.40	2500.00	744.32	0.00	744.98	115.12	6.70	541.
* 2060.000	200.00	760.22	746.80	738.50	500.00	740.76	0.00	744.85	2047.75	16.22	30.
* 2060.000	200.00	760.20	746.80	738.50	1000.00	745.43	0.00	745.54	29.84	3.90	556.
* 2060.000	200.00	760.20	746.80	738.50	1300.00	746.75	0.00	746.22	16.27	3.25	807.
* 2060.000	200.00	760.20	746.80	738.50	2500.00	756.29	0.00	756.29	.74	1.17	457.
* 2070.000	10.00	0.00	0.00	737.90	500.00	743.40	0.00	743.58	52.38	4.17	234.
2070.000	10.00	0.00	0.00	737.90	1000.00	745.47	0.00	745.57	22.33	3.57	605.
2070.000	10.00	0.00	0.00	737.90	1300.00	746.77	0.00	746.83	13.00	3.09	948.
2070.000	10.00	0.00	0.00	737.90	2500.00	756.29	0.00	756.29	.69	1.23	437.
2150.000	00.00	0.00	0.00	738.90	500.00	743.88	0.00	744.25	111.74	5.56	164.
2150.000	00.00	0.00	0.00	738.90	1000.00	745.67	0.00	745.80	47.61	4.75	437.
2150.000	00.00	0.00	0.00	738.90	1300.00	746.86	0.00	747.60	26.42	4.05	700.
2150.000	00.00	0.00	0.00	738.90	2500.00	756.29	0.00	756.30	.92	1.37	504.
2350.000	200.00	0.00	0.00	742.00	500.00	746.24	715.26	746.76	134.87	6.02	121.
2350.000	200.00	0.00	0.00	742.00	1000.00	746.99	746.89	747.76	182.96	8.04	225.
2350.000	200.00	0.00	0.00	742.00	1300.00	747.60	0.00	748.26	147.12	7.90	319.
2350.000	200.00	0.00	0.00	742.00	2500.00	756.51	0.00	756.34	3.15	2.33	2235.

SECNO	YLRM	ALTRN	ELLC	FLMPL	Q	CWFE	CRWS	EG	100.5	YCR	ARRA
2600.000	250.00	0.00	0.00	744.50	500.00	749.19	0.00	749.67	100.94	5.50	94.
2600.000	250.00	0.00	0.00	744.50	1000.00	750.56	0.00	751.27	110.36	7.18	203.
2600.000	250.00	0.00	0.00	744.50	1300.00	750.94	0.00	751.84	132.71	8.29	240.
2600.000	250.00	0.00	0.00	744.50	2500.00	756.35	0.00	756.50	17.71	5.00	949.
3050.000	450.00	0.00	0.00	749.00	400.00	753.56	0.00	753.93	86.47	4.85	77.
3050.000	450.00	0.00	0.00	749.00	900.00	755.18	0.00	755.68	85.14	6.22	227.
3050.000	450.00	0.00	0.00	749.00	1100.00	755.83	0.00	756.20	70.24	6.13	303.
3050.000	450.00	0.00	0.00	749.00	1850.00	757.52	0.00	757.94	54.27	6.40	532.
4320.000	1270.00	0.00	0.00	761.20	400.00	765.59	0.00	765.98	104.41	5.03	47.
4320.000	1270.00	0.00	0.00	761.20	900.00	766.95	0.00	767.43	100.79	6.10	245.
4320.000	1270.00	0.00	0.00	761.20	1100.00	767.15	0.00	767.74	118.75	6.93	275.
4320.000	1270.00	0.00	0.00	761.20	1850.00	767.96	767.64	768.76	146.99	8.60	394.
5080.000	760.00	0.00	0.00	769.70	400.00	773.62	0.00	774.03	107.44	5.14	77.
5080.000	760.00	0.00	0.00	769.70	900.00	775.43	773.95	775.20	120.69	7.07	143.
5080.000	760.00	0.00	0.00	769.70	1100.00	775.99	774.46	776.75	116.56	7.24	232.
5080.000	760.00	0.00	0.00	769.70	1850.00	777.14	0.00	777.79	97.55	7.60	484.
5230.000	150.00	0.00	0.00	771.50	400.00	775.28	0.00	775.69	113.77	5.10	77.
5230.000	150.00	0.00	0.00	771.50	900.00	777.35	0.00	778.01	109.41	6.52	196.
5230.000	150.00	0.00	0.00	771.50	1100.00	777.74	776.19	778.50	117.08	7.19	109.
5230.000	150.00	0.00	0.00	771.50	1850.00	778.66	778.55	779.62	134.05	8.58	352.
5380.000	150.00	0.00	0.00	773.20	400.00	777.23	0.00	777.79	165.79	6.01	65.
5380.000	150.00	0.00	0.00	773.20	900.00	779.22	0.00	780.11	107.44	7.54	119.
5380.000	150.00	0.00	0.00	773.20	1100.00	779.73	0.00	780.76	179.89	8.10	134.
5380.000	150.00	0.00	0.00	773.20	1850.00	780.55	0.00	782.64	251.19	10.77	175.
5420.000	40.00	0.00	0.00	773.60	400.00	777.93	0.00	778.39	124.87	5.43	73.
5420.000	40.00	0.00	0.00	773.60	900.00	779.99	0.00	780.73	131.49	6.90	130.
5420.000	40.00	0.00	0.00	773.60	1100.00	780.58	0.00	781.42	134.57	7.37	142.
5420.000	40.00	0.00	0.00	773.60	1850.00	782.33	0.00	783.47	127.72	8.60	73.
5450.000	30.00	0.00	0.00	773.80	400.00	778.34	0.00	778.74	103.52	5.07	77.
5450.000	30.00	0.00	0.00	773.80	900.00	780.45	0.00	781.11	112.19	6.51	134.
5450.000	30.00	0.00	0.00	773.80	1100.00	781.00	0.00	781.81	113.58	6.90	150.
5450.000	30.00	0.00	0.00	773.80	1850.00	782.89	0.00	783.84	101.64	8.03	205.
* 5463.000	13.00	0.00	0.50	774.10	400.00	778.14	774.14	779.65	540.03	9.05	4.
* 5463.000	13.00	0.00	0.00	774.10	900.00	780.31	780.31	782.79	570.09	12.64	71.
* 5463.000	13.00	0.00	0.00	774.10	1100.00	782.55	782.55	783.31	150.92	7.95	230.
* 5463.000	13.00	0.00	0.00	774.10	1850.00	783.27	783.27	784.11	100.94	9.20	155.
* 5496.000	33.00	782.10	779.90	774.10	400.00	778.64	0.00	779.68	323.15	5.00	48.
* 5496.000	33.00	782.40	779.90	774.10	900.00	783.21	0.00	783.25	8.63	2.38	409.
* 5496.000	33.00	782.40	779.90	774.10	1100.00	784.04	0.00	784.08	6.50	2.21	807.
* 5496.000	33.00	782.40	779.90	774.10	1850.00	784.83	0.00	784.89	10.24	2.94	1067.
5506.000	10.00	0.00	0.00	774.50	400.00	779.75	0.00	779.90	58.83	4.15	124.
5506.000	10.00	0.00	0.00	774.50	900.00	783.22	0.00	783.26	6.27	2.10	703.
5506.000	10.00	0.00	0.00	774.50	1100.00	784.05	0.00	784.08	4.92	2.06	520.
5506.000	10.00	0.00	0.00	774.50	1850.00	784.23	0.00	784.89	8.10	2.83	1132.

SECNO	XLPH	FLTRD	ELLC	FLMIN	Q	CHSEL	CRWS	EG	10K*5	VCH	AREA
5525.000	19.00	0.00	0.00	774.80	400.00	779.41	0.00	780.11	73.31	4.54	117.
5525.000	19.00	0.00	0.00	774.80	900.00	783.21	0.00	783.20	11.41	2.86	578.
5525.000	19.00	0.00	0.00	774.80	1100.00	784.05	0.00	784.11	9.18	2.77	875.
5525.000	19.00	0.00	0.00	774.80	1350.00	784.82	0.00	784.94	15.60	3.85	1075.
5575.000	50.00	0.00	0.00	775.30	400.00	780.19	0.00	780.52	85.13	4.77	104.
5575.000	50.00	0.00	0.00	775.30	900.00	783.26	0.00	783.37	16.78	3.30	575.
5575.000	50.00	0.00	0.00	775.30	1100.00	784.09	0.00	784.17	12.92	3.15	761.
5575.000	50.00	0.00	0.00	775.30	1350.00	784.90	0.00	785.04	20.65	4.27	961.
5750.000	175.00	0.00	0.00	778.50	400.00	782.16	0.00	782.59	179.79	6.69	872.
5750.000	175.00	0.00	0.00	778.50	900.00	783.64	0.00	784.16	125.19	6.75	247.
5750.000	175.00	0.00	0.00	778.50	1100.00	784.38	0.00	784.74	78.42	5.97	360.
5750.000	175.00	0.00	0.00	778.50	1350.00	785.36	0.00	785.61	85.42	7.07	533.
5850.000	100.00	0.00	0.00	780.00	400.00	783.86	0.00	784.29	139.39	5.54	101.
5850.000	100.00	0.00	0.00	780.00	900.00	784.97	0.00	785.61	157.36	7.34	222.
5850.000	100.00	0.00	0.00	780.00	1100.00	785.27	0.00	785.95	159.06	7.76	266.
5850.000	100.00	0.00	0.00	780.00	1350.00	786.30	0.00	787.00	143.74	8.50	432.
6200.000	350.00	0.00	0.00	785.00	400.00	789.00	0.00	789.51	158.07	5.85	82.
6200.000	350.00	0.00	0.00	785.00	900.00	790.31	0.00	790.99	149.33	7.39	204.
6200.000	350.00	0.00	0.00	785.00	1100.00	790.64	0.00	791.36	149.57	7.81	247.
6200.000	350.00	0.00	0.00	785.00	1350.00	791.57	0.00	792.47	165.49	9.33	377.
6840.000	640.00	0.00	0.00	794.20	400.00	798.32	0.00	798.80	133.76	5.62	75.
6840.000	640.00	0.00	0.00	794.20	900.00	799.70	0.00	800.42	146.30	7.60	171.
6840.000	640.00	0.00	0.00	794.20	1100.00	800.09	0.00	800.95	142.34	8.11	205.
6840.000	640.00	0.00	0.00	794.20	1350.00	801.34	0.00	802.34	142.93	9.11	334.
8525.000	1685.00	0.00	0.00	812.30	300.00	815.86	0.00	816.08	74.93	4.29	103.
8525.000	1685.00	0.00	0.00	812.30	700.00	817.19	0.00	817.40	67.06	5.21	199.
8525.000	1685.00	0.00	0.00	812.30	950.00	817.58	0.00	817.87	65.62	5.40	230.
8525.000	1685.00	0.00	0.00	812.30	1300.00	818.55	0.00	818.90	62.64	6.27	315.
* 8545.000	20.00	0.00	0.00	813.16	300.00	817.99	817.99	820.16	919.37	11.84	25.
* 8545.000	20.00	0.00	0.00	813.16	700.00	819.13	819.13	819.45	140.10	5.61	150.
* 8545.000	20.00	0.00	0.00	813.16	950.00	819.14	819.14	819.62	203.53	6.77	157.
* 8545.000	20.00	0.00	0.00	813.16	1300.00	819.11	819.11	820.22	493.15	10.49	155.
* 8777.000	232.00	824.10	822.40	816.58	300.00	824.47	0.00	824.49	13.46	2.09	280.
8777.000	232.00	824.10	822.40	816.58	700.00	825.11	0.00	825.17	27.43	3.15	402.
8777.000	232.00	824.10	822.40	816.58	950.00	825.37	0.00	825.44	28.80	3.31	454.
8777.000	232.00	824.10	822.40	816.58	1300.00	825.91	0.00	826.01	35.92	3.80	564.
8785.000	1.00	0.00	0.00	816.58	300.00	824.47	0.00	824.49	13.46	2.09	280.
8785.000	1.00	0.00	0.00	816.58	700.00	825.11	0.00	825.17	27.43	3.15	402.
8785.000	1.00	0.00	0.00	816.58	950.00	825.37	0.00	825.44	28.80	3.31	454.
8785.000	1.00	0.00	0.00	816.58	1300.00	825.91	0.00	826.01	35.93	3.80	564.
8800.000	15.00	0.00	0.00	816.70	300.00	824.49	0.00	824.51	3.24	1.21	425.
8800.000	15.00	0.00	0.00	816.70	700.00	825.16	0.00	825.20	7.90	2.01	600.
8800.000	15.00	0.00	0.00	816.70	950.00	825.42	0.00	825.47	8.72	2.10	672.
8800.000	15.00	0.00	0.00	816.70	1300.00	825.98	0.00	826.04	11.89	2.64	825.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	GWSEI	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
500.000	500.00	726.55	0.00	0.00	-11.45	47.55	0.00
500.000	1000.00	728.25	0.00	0.00	-11.75	75.88	0.00
500.000	1300.00	728.98	0.00	0.00	-12.02	80.99	0.00
500.000	2500.00	731.08	2.10	0.00	-11.92	109.41	0.00
1550.000	500.00	738.38	0.00	11.83	0.00	45.79	1050.00
1550.000	1000.00	739.91	0.00	11.66	0.00	153.68	1050.00
1550.000	1300.00	740.48	0.00	11.50	0.00	163.85	1050.00
1550.000	2500.00	742.10	1.68	11.08	0.00	177.32	1050.00
1761.000	500.00	740.48	0.00	2.10	0.00	58.89	210.00
1761.000	1000.00	742.02	0.00	2.11	0.00	115.00	210.00
1761.000	1300.00	742.51	0.00	2.03	0.00	117.17	210.00
1761.000	2500.00	744.02	1.51	1.86	0.00	129.81	210.00
1780.000	500.00	746.56	0.00	.00	0.00	16.00	20.00
1780.000	1000.00	741.39	0.00	-.14	0.00	16.00	20.00
1780.000	1300.00	742.20	0.00	-.32	0.00	16.00	20.00
1780.000	2500.00	744.32	2.13	.30	0.00	132.37	20.00
2060.000	500.00	740.76	0.00	.20	0.00	14.26	200.00
2060.000	1000.00	745.43	0.00	3.54	0.00	220.54	200.00
2060.000	1300.00	746.75	0.00	4.56	0.00	271.51	200.00
2060.000	2500.00	756.29	2.53	11.97	0.00	440.50	200.00
2070.000	500.00	743.40	0.00	2.54	0.00	139.75	10.00
2070.000	1000.00	745.47	0.00	.04	0.00	231.63	10.00
2070.000	1300.00	746.77	0.00	.02	0.00	269.22	10.00
2070.000	2500.00	756.29	2.52	.00	0.00	434.32	10.00
2150.000	500.00	743.88	0.00	.48	0.00	128.56	00.00
2150.000	1000.00	745.57	0.00	.20	0.00	188.73	00.00
2150.000	1300.00	746.88	0.00	.11	0.00	253.93	00.00
2150.000	2500.00	756.29	2.41	.01	0.00	418.36	00.00
2350.000	500.00	746.34	0.00	2.30	0.00	129.07	200.00
2350.000	1000.00	746.79	0.00	1.32	0.00	196.01	200.00
2350.000	1300.00	747.50	0.00	.72	0.00	158.90	200.00
2350.000	2500.00	756.31	2.71	.02	0.00	274.47	200.00
2600.000	500.00	749.19	0.00	2.25	0.00	52.15	250.00
2600.000	1000.00	750.56	0.00	3.22	0.00	92.10	250.00
2600.000	1300.00	750.94	0.00	3.35	0.00	97.61	250.00
2600.000	2500.00	756.35	3.41	.04	0.00	165.29	250.00
3050.000	400.00	753.56	0.00	4.37	0.00	32.10	450.00
3050.000	900.00	755.18	0.00	4.61	0.00	110.59	450.00
3050.000	1100.00	755.83	0.00	4.89	0.00	122.04	450.00
3050.000	1850.00	757.52	1.69	1.17	0.00	147.86	450.00
4320.000	400.00	765.59	0.00	12.02	0.00	53.10	1270.00
4320.000	900.00	766.05	0.00	11.70	0.00	141.39	1270.00
4320.000	1100.00	767.15	0.00	11.32	0.00	145.26	1270.00
4320.000	1850.00	767.96	.61	10.44	0.00	160.29	1270.00

SECHO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPMIB	YLCN
5080.000	400.00	773.62	0.00	8.04	0.00	24.63	760.00
5080.000	900.00	775.43	0.00	8.48	0.00	109.00	760.00
5080.000	1100.00	775.99	0.00	8.84	0.00	212.22	760.00
5080.000	1850.00	777.14	1.15	9.18	0.00	227.85	760.00
5230.000	400.00	775.28	0.00	1.56	0.00	25.99	150.00
5230.000	900.00	777.35	0.00	1.92	0.00	81.57	150.00
5230.000	1100.00	777.74	0.00	1.75	0.00	137.97	150.00
5230.000	1850.00	778.66	.93	1.52	0.00	192.67	150.00
5380.000	400.00	777.23	0.00	1.95	0.00	23.43	150.00
5380.000	900.00	779.22	0.00	1.87	0.00	29.63	150.00
5380.000	1100.00	779.73	0.00	1.99	0.00	31.28	150.00
5380.000	1850.00	780.85	1.12	2.18	0.00	42.48	150.00
5420.000	400.00	777.93	0.00	.70	0.00	24.36	40.00
5420.000	900.00	779.99	0.00	.76	0.00	30.77	40.00
5420.000	1100.00	780.58	0.00	.85	0.00	34.31	40.00
5420.000	1850.00	782.33	1.76	1.49	0.00	73.41	40.00
5450.000	400.00	778.34	0.00	.41	0.00	25.01	30.00
5450.000	900.00	780.45	0.00	.46	0.00	31.55	30.00
5450.000	1100.00	781.06	0.00	.48	0.00	37.55	30.00
5450.000	1850.00	782.89	1.83	.55	0.00	93.41	30.00
* 5463.000	400.00	778.14	0.00	-.20	0.00	13.66	13.00
* 5463.000	900.00	780.31	0.00	-.14	0.00	14.58	13.00
* 5463.000	1100.00	782.55	0.00	1.50	0.00	162.74	13.00
* 5463.000	1850.00	783.27	.71	.38	0.00	197.53	13.00
* 5496.000	400.00	778.64	0.00	.50	0.00	14.49	33.00
* 5496.000	900.00	783.21	0.00	2.90	0.00	226.42	33.00
* 5496.000	1100.00	784.04	0.00	1.49	0.00	248.84	33.00
* 5496.000	1850.00	784.83	.78	1.56	0.00	265.81	33.00
5500.000	400.00	779.73	0.00	1.89	0.00	73.48	10.00
5500.000	900.00	783.22	0.00	.01	0.00	232.85	10.00
5500.000	1100.00	784.05	0.00	.01	0.00	253.74	10.00
5500.000	1850.00	784.83	.78	.01	0.00	271.18	10.00
5525.000	400.00	779.81	0.00	.92	0.00	69.90	19.00
5525.000	900.00	783.21	0.00	-.60	0.00	226.95	19.00
5525.000	1100.00	784.05	0.00	-.80	0.00	248.51	19.00
5525.000	1850.00	784.82	.78	-.01	0.00	268.73	19.00
5575.000	400.00	780.19	0.00	.37	0.00	63.69	20.00
5575.000	900.00	783.26	0.00	.65	0.00	214.83	20.00
5575.000	1100.00	784.09	0.00	.64	0.00	236.29	20.00
5575.000	1850.00	784.90	.81	.67	0.00	257.39	20.00
5750.000	400.00	782.16	0.00	1.97	0.00	69.64	175.00
5750.000	900.00	783.54	0.00	.38	0.00	145.74	175.00
5750.000	1100.00	784.38	0.00	.29	0.00	163.58	175.00
5750.000	1850.00	785.36	.96	.47	0.00	187.76	175.00

SECTNO	Q	WSEL	DIFUSP	DIFWSX	DIFWSS	TOPWID	XLTH
5850.000	400.00	783.86	0.00	1.70	0.00	17.47	100.00
5850.000	900.00	784.97	0.00	1.33	0.00	140.44	100.00
5850.000	1100.00	785.27	0.00	.89	0.00	140.84	100.00
5850.000	1850.00	786.30	1.03	.24	0.00	173.99	100.00
6200.000	400.00	789.90	0.00	5.14	0.00	58.87	350.00
6200.000	900.00	790.31	0.00	5.34	0.00	120.83	350.00
6200.000	1100.00	790.64	0.00	5.37	0.00	129.50	350.00
6200.000	1850.00	791.57	.93	5.27	0.00	152.95	350.00
6840.000	400.00	798.32	0.00	9.32	0.00	39.80	640.00
6840.000	900.00	799.70	0.00	9.40	0.00	88.66	640.00
6840.000	1100.00	800.09	0.00	9.45	0.00	93.98	640.00
6840.000	1850.00	801.34	1.25	9.77	0.00	111.11	640.00
8525.000	300.00	815.86	0.00	17.55	0.00	68.78	1685.00
8525.000	700.00	817.19	0.00	17.49	0.00	78.53	1685.00
8525.000	850.00	817.58	0.00	17.49	0.00	82.14	1685.00
8525.000	1300.00	818.55	.90	17.21	0.00	93.65	1685.00
* 8545.000	300.00	817.99	0.00	2.12	0.00	5.58	20.00
* 8545.000	700.00	819.13	0.00	1.94	0.00	53.60	20.00
* 8545.000	850.00	819.14	0.00	1.56	0.00	53.65	20.00
* 8545.000	1300.00	819.11	-.03	.85	0.00	53.53	20.00
* 8777.000	500.00	824.47	0.00	6.48	0.00	184.18	252.00
8777.000	700.00	825.11	0.00	5.98	0.00	195.19	252.00
8777.000	850.00	825.37	0.00	6.23	0.00	199.65	252.00
8777.000	1300.00	825.91	.54	6.80	0.00	209.49	252.00
8785.000	500.00	824.47	0.00	7.00	0.00	104.18	1.00
8785.000	700.00	825.11	0.00	0.00	0.00	195.19	1.00
8785.000	850.00	825.37	0.00	7.00	0.00	199.65	1.00
8785.000	1300.00	825.21	.54	.00	0.00	209.47	1.00
8800.000	500.00	824.49	0.00	.02	0.00	252.78	15.00
8800.000	700.00	825.16	0.00	.02	0.00	263.43	17.00
8800.000	850.00	825.42	0.00	.05	0.00	267.72	15.00
8800.000	1300.00	825.98	.50	.07	0.00	284.31	15.00

SUMMARY OF ERRORS

CAUTION SECTNO= 2060.000 PROFILE= 1 SLOPE TOO STEEP
CAUTION SECTNO= 2060.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECTNO= 2060.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECTNO= 2060.000 PROFILE= 4 HYDRAULIC JUMP D.S.

NOTE SECTNO= 2070.000 PROFILE= 1 WSEL BASED ON X5 CARD

CAUTION SECTNO= 5463.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECTNO= 5463.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECTNO= 5463.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECTNO= 5463.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECTNO= 5463.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECTNO= 5463.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECTNO= 5463.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECTNO= 5463.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY

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 HFC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1	GUILFORD COUNTY FIA STUDY										
T2	FIA STUDY-RICH FORK(YADKIN-PEEDLE BASIN),PAYNE CR,TRIB 2,TRIB 1 (STREAM NO. 99)										
T3	FEB 1977 DLQ										
J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG	
	-1.	2.	0.	0.	.010000	0.00	0.0	0.	754.000	0.000	
J2	NPROF	IPLOT	PRFVS	XSECV	XSFCH	FN	ALLOD	IBW	CHWIN	ITRACE	
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000	0.000
QT	4.000	520.000	920.000	1120.000	1920.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	700.000	17.000	500.000	519.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	774.600	200.000	773.000	250.000	766.700	300.000	757.100	350.000	756.900	300.000	
GR	755.500	400.000	753.600	450.000	754.000	500.000	748.900	502.000	748.800	504.000	
GR	750.000	513.000	754.200	519.000	753.700	550.000	754.300	500.000	756.300	634.000	
GR	787.000	676.000	791.100	700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
x1	800.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.900	0.000	
x1	900.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.900	0.000	
x1	1000.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.900	0.000	
x1	1100.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.900	0.000	
y1	1200.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.900	0.000	
y1	3000.000	12.000	500.000	517.000	1800.000	1800.000	1800.000	0.000	0.000	0.000	0.000
GR	791.000	270.000	787.600	300.000	789.200	350.000	775.400	400.000	775.600	500.000	
GR	771.400	502.000	770.000	511.000	770.400	515.000	773.200	517.000	779.500	532.000	
GR	785.800	550.000	793.500	600.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
x1	3100.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000	
x1	3200.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000	
x1	3300.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.200	0.000	

X1 3400.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.200 0.000

X1 3800.000 0.000 0.000 0.000 400.000 400.000 400.000 0.000 4.500 0.000

X1 4600.000 11.000 500.000 516.000 800.000 800.000 800.000 0.000 0.000 0.000
GR 814.200 400.000 805.200 450.000 801.700 466.000 799.600 468.000 793.300 500.000
GR 791.000 502.000 791.200 514.000 792.300 516.000 810.700 575.000 812.700 600.000
GR 814.900 635.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 6600.000 16.000 500.000 520.000 2000.000 2000.000 2000.000 0.000 0.000 0.000
GR 831.600 260.000 827.600 300.000 822.600 330.000 816.700 368.000 814.000 400.000
GR 813.600 475.000 811.300 500.000 808.800 505.000 808.600 507.000 808.800 510.000
GR 814.600 520.000 815.600 536.000 817.400 539.000 820.700 560.000 828.000 600.000
GR 833.300 635.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 6700.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.200 0.000

X1 6800.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.200 0.000

X1 6900.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.200 0.000

X1 7000.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 1.200 0.000
OT 4.000 430.000 750.000 900.000 1310.000 0.000 0.000 0.000 0.000 0.000

X1 7463.000 17.000 500.000 525.000 463.000 463.000 463.000 0.000 0.000 0.000
GR 850.000 170.000 841.600 200.000 838.900 212.000 839.500 237.000 837.600 300.000
GR 834.700 400.000 833.300 460.000 826.900 476.000 822.200 500.000 819.100 509.000
GR 818.700 513.000 819.100 517.000 821.200 525.000 829.700 600.000 825.700 700.000
GR 828.700 800.000 835.400 825.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 7513.000 10.000 500.000 511.000 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 840.500 200.000 833.000 460.000 829.000 500.000 820.300 500.000 820.300 511.000
GR 825.000 511.000 830.000 600.000 825.900 700.000 828.700 800.000 836.000 830.000
SB 1.250 1.200 2.500 0.000 11.000 1.000 65.000 0.000 820.500 820.300

X1 7607.000 0.000 0.000 0.000 94.000 94.000 94.000 0.000 0.000 0.000
X2 0.000 0.000 1.000 827.000 832.000 0.000 0.000 0.000 0.000 0.000
X3 10.000 0.000 0.000 0.000 0.000 0.000 0.000 832.000 832.000 0.000
BT 11.000 200.000 840.500 0.000 300.000 836.400 0.000 400.000 833.400 0.000
BT 500.000 832.000 0.000 500.000 832.000 826.800 511.000 832.000 826.800 511.000
BT 832.000 0.000 600.000 832.000 0.000 700.000 833.300 0.000 800.000 835.900
BT 0.000 882.000 839.200 0.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 7657.000 17.000 500.000 525.000 50.000 50.000 50.000 0.000 0.000 0.000
GR 850.000 170.000 841.600 200.000 838.900 212.000 839.500 237.000 837.600 300.000
GR 834.700 400.000 833.300 460.000 826.900 476.000 822.200 500.000 819.100 509.000
GR 818.700 513.000 819.100 517.000 821.200 525.000 829.700 600.000 825.700 700.000
GR 828.700 800.000 835.400 825.000 0.000 0.000 0.000 0.000 0.000 0.000
EJ 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

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

FEB 1977 DLQ
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS	EG	10K#S	VCH	ARFA
700.000	0.00	0.00	0.00	748.80	520.00	754.56	0.00	754.95	98.66	5.46	177.
700.000	0.00	0.00	0.00	748.80	920.00	755.34	0.00	755.72	99.89	6.15	328.
700.000	0.00	0.00	0.00	748.80	1120.00	755.62	0.00	756.00	101.46	6.44	391.
700.000	0.00	0.00	0.00	748.80	1920.00	756.34	0.00	756.93	101.26	7.17	617.
800.000	100.00	0.00	0.00	749.70	520.00	755.54	0.00	755.88	86.34	5.18	192.
800.000	100.00	0.00	0.00	749.70	920.00	756.33	0.00	756.66	87.49	5.83	350.
800.000	100.00	0.00	0.00	749.70	1120.00	756.62	0.00	756.96	87.57	6.07	417.
800.000	100.00	0.00	0.00	749.70	1920.00	757.54	0.00	757.89	89.97	6.84	647.
900.000	100.00	0.00	0.00	750.60	520.00	756.42	0.00	756.78	91.07	5.29	186.
900.000	100.00	0.00	0.00	750.60	920.00	757.21	0.00	757.56	91.05	5.93	343.
900.000	100.00	0.00	0.00	750.60	1120.00	757.51	0.00	757.85	91.21	6.17	409.
900.000	100.00	0.00	0.00	750.60	1920.00	758.44	0.00	758.79	90.76	6.86	645.
1000.000	100.00	0.00	0.00	751.50	520.00	757.33	0.00	757.68	89.29	5.25	188.
1000.000	100.00	0.00	0.00	751.50	920.00	758.12	0.00	758.46	90.06	5.90	345.
1000.000	100.00	0.00	0.00	751.50	1120.00	758.42	0.00	758.76	89.98	6.13	412.
1000.000	100.00	0.00	0.00	751.50	1920.00	759.35	0.00	759.70	90.28	6.85	646.
1100.000	100.00	0.00	0.00	752.40	520.00	758.22	0.00	758.57	88.82	5.23	189.
1100.000	100.00	0.00	0.00	752.40	920.00	759.02	0.00	759.36	88.42	5.86	348.
1100.000	100.00	0.00	0.00	752.40	1120.00	759.32	0.00	759.65	88.34	6.09	415.
1100.000	100.00	0.00	0.00	752.40	1920.00	760.25	0.00	760.60	89.45	6.82	648.
1200.000	100.00	0.00	0.00	753.30	520.00	759.12	0.00	759.47	91.38	5.29	186.
1200.000	100.00	0.00	0.00	753.30	920.00	759.91	0.00	760.25	89.99	5.90	345.
1200.000	100.00	0.00	0.00	753.30	1120.00	760.21	0.00	760.55	90.07	6.14	412.
1200.000	100.00	0.00	0.00	753.30	1920.00	761.15	0.00	761.50	89.84	6.83	647.
3000.000	1800.00	0.00	0.00	770.00	520.00	775.85	774.05	776.37	95.68	5.95	126.
3000.000	1800.00	0.00	0.00	770.00	920.00	776.84	0.00	777.40	99.96	6.90	258.
3000.000	1800.00	0.00	0.00	770.00	1120.00	777.22	0.00	777.78	100.86	7.23	311.
3000.000	1800.00	0.00	0.00	770.00	1920.00	778.40	0.00	779.01	104.40	8.26	488.
3100.000	100.00	0.00	0.00	771.20	520.00	776.85	775.25	777.47	118.34	6.43	100.
3100.000	100.00	0.00	0.00	771.20	920.00	777.67	0.00	778.54	120.50	7.42	234.
3100.000	100.00	0.00	0.00	771.20	1120.00	778.25	0.00	778.92	119.42	7.72	287.
3100.000	100.00	0.00	0.00	771.20	1920.00	779.46	0.00	780.14	116.76	8.62	466.

SECNO	XLCH	FLTRD	ELLC	ELMIN	O	CWSEL	CRHS	EG	10K+S	VCH	AREA
3200.000	100.00	0.00	0.00	772.40	520.00	778.03	776.43	778.66	119.75	6.46	99.
3200.000	100.00	0.00	0.00	772.40	920.00	779.07	0.00	779.74	119.96	7.41	234.
3200.000	100.00	0.00	0.00	772.40	1120.00	779.45	0.00	780.12	120.00	7.73	286.
3200.000	100.00	0.00	0.00	772.40	1920.00	780.63	0.00	781.33	119.46	8.70	462.
3300.000	100.00	0.00	0.00	773.60	520.00	779.23	777.66	779.87	120.47	6.48	98.
3300.000	100.00	0.00	0.00	773.60	920.00	780.27	0.00	780.94	119.53	7.40	235.
3300.000	100.00	0.00	0.00	773.60	1120.00	780.65	0.00	781.32	120.43	7.74	286.
3300.000	100.00	0.00	0.00	773.60	1920.00	781.83	0.00	782.53	120.51	8.73	460.
3400.000	100.00	0.00	0.00	774.80	520.00	780.44	778.86	781.07	119.42	6.46	98.
3400.000	100.00	0.00	0.00	774.80	920.00	781.47	0.00	782.14	120.12	7.41	234.
3400.000	100.00	0.00	0.00	774.80	1120.00	781.85	0.00	782.52	119.72	7.73	287.
3400.000	100.00	0.00	0.00	774.80	1920.00	783.03	0.00	783.73	119.85	8.71	461.
3800.000	400.00	0.00	0.00	779.30	520.00	785.04	783.35	785.62	107.51	6.22	112.
3800.000	400.00	0.00	0.00	779.30	920.00	786.08	0.00	786.67	106.59	7.07	249.
3800.000	400.00	0.00	0.00	779.30	1120.00	786.46	0.00	787.06	106.99	7.39	302.
3800.000	400.00	0.00	0.00	779.30	1920.00	787.66	0.00	788.29	107.87	8.36	481.
4600.000	800.00	0.00	0.00	791.00	520.00	795.30	0.00	796.09	159.85	7.46	88.
4600.000	800.00	0.00	0.00	791.00	920.00	796.53	0.00	797.72	176.74	9.40	138.
4600.000	800.00	0.00	0.00	791.00	1120.00	797.02	0.00	798.37	183.70	10.17	162.
4600.000	800.00	0.00	0.00	791.00	1920.00	798.52	798.21	800.45	206.97	12.62	247.
6600.000	2000.00	0.00	0.00	808.60	520.00	814.62	0.00	814.87	61.10	4.62	200.
6600.000	2000.00	0.00	0.00	808.60	920.00	815.72	0.00	815.97	54.71	5.12	356.
6600.000	2000.00	0.00	0.00	808.60	1120.00	816.17	0.00	816.42	52.47	5.30	427.
6600.000	2000.00	0.00	0.00	808.60	1920.00	817.63	0.00	817.90	46.48	5.82	678.
6700.000	100.00	0.00	0.00	809.80	520.00	815.31	0.00	815.77	114.21	5.97	137.
6700.000	100.00	0.00	0.00	809.80	920.00	816.34	0.00	816.78	102.07	6.47	270.
6700.000	100.00	0.00	0.00	809.80	1120.00	816.75	0.00	817.18	95.83	6.64	331.
6700.000	100.00	0.00	0.00	809.80	1920.00	818.14	0.00	818.55	78.70	7.07	557.
6800.000	100.00	0.00	0.00	811.00	520.00	816.47	0.00	816.95	120.77	6.10	131.
6800.000	100.00	0.00	0.00	811.00	920.00	817.40	0.00	817.91	120.14	6.87	250.
6800.000	100.00	0.00	0.00	811.00	1120.00	817.76	0.00	818.28	118.31	7.18	302.
6800.000	100.00	0.00	0.00	811.00	1920.00	818.97	0.00	819.51	106.69	7.92	495.
6900.000	100.00	0.00	0.00	812.20	520.00	817.67	0.00	818.16	120.31	6.09	132.
6900.000	100.00	0.00	0.00	812.20	920.00	818.60	0.00	819.11	120.31	6.88	250.
6900.000	100.00	0.00	0.00	812.20	1120.00	818.95	0.00	819.48	120.23	7.23	300.
6900.000	100.00	0.00	0.00	812.20	1920.00	820.06	0.00	820.65	117.41	8.21	477.
7000.000	100.00	0.00	0.00	813.40	520.00	818.88	0.00	819.36	119.38	6.08	132.
7000.000	100.00	0.00	0.00	813.40	920.00	819.81	0.00	820.31	120.02	6.87	250.
7000.000	100.00	0.00	0.00	813.40	1120.00	820.15	0.00	820.68	120.42	7.23	299.
7000.000	100.00	0.00	0.00	813.40	1920.00	821.24	0.00	821.84	119.62	8.26	473.
7463.000	463.00	0.00	0.00	818.70	430.00	823.38	0.00	823.70	71.33	4.68	111.
7463.000	463.00	0.00	0.00	818.70	750.00	824.42	0.00	824.91	80.26	5.92	171.
7463.000	463.00	0.00	0.00	818.70	900.00	824.82	0.00	825.38	83.12	6.37	197.
7463.000	463.00	0.00	0.00	818.70	1310.00	825.88	0.00	826.53	80.51	7.14	261.

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRHS	EG	10K*S	VCH	AREA
* 7513.000	50.00	0.00	0.00	820.30	430.00	823.91	823.91	825.73	678.01	10.84	39.
* 7513.000	50.00	0.00	0.00	820.30	750.00	826.93	826.93	827.93	226.00	8.71	147.
* 7513.000	50.00	0.00	0.00	820.30	900.00	827.37	827.37	828.27	209.10	8.74	205.
* 7513.000	50.00	0.00	0.00	820.30	1310.00	828.00	828.00	828.90	221.80	9.53	320.
* 7607.000	94.00	832.00	827.00	820.30	430.00	825.60	0.00	826.45	226.67	7.37	58.
* 7607.000	94.00	832.00	827.00	820.30	750.00	829.10	0.00	830.03	156.71	7.79	96.
* 7607.000	94.00	832.00	827.00	820.30	900.00	830.91	0.00	831.83	132.70	7.71	116.
* 7607.000	94.00	832.00	827.00	820.30	1310.00	832.97	0.00	832.98	2.86	1.51	1893.
7657.000	50.00	0.00	0.00	818.70	430.00	826.64	0.00	826.69	5.22	1.97	373.
7657.000	50.00	0.00	0.00	818.70	750.00	830.22	0.00	830.24	1.50	1.41	1324.
7657.000	50.00	0.00	0.00	818.70	900.00	832.02	0.00	832.03	.80	1.14	1940.
7657.000	50.00	0.00	0.00	818.70	1310.00	832.98	0.00	832.99	1.09	1.40	2278.

FEB 1977

DLQ

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
700.000	520.00	754.56	0.00	0.00	.56	179.86	0.00
700.000	920.00	755.34	0.00	0.00	.34	213.25	0.00
700.000	1120.00	755.62	0.00	0.00	.12	225.85	0.00
700.000	1920.00	756.54	.92	0.00	.04	264.00	0.00
800.000	520.00	755.84	0.00	.98	0.00	183.61	100.00
800.000	920.00	756.33	0.00	.99	0.00	217.53	100.00
800.000	1120.00	756.62	0.00	1.00	0.00	231.06	100.00
800.000	1920.00	757.54	.92	1.00	0.00	267.37	100.00
900.000	520.00	756.42	0.00	.88	0.00	182.11	100.00
900.000	920.00	757.21	0.00	.88	0.00	216.24	100.00
900.000	1120.00	757.51	0.00	.89	0.00	229.61	100.00
900.000	1920.00	758.44	.93	.90	0.00	267.12	100.00
1000.000	520.00	757.33	0.00	.91	0.00	182.66	100.00
1000.000	920.00	758.12	0.00	.91	0.00	216.59	100.00
1000.000	1120.00	758.42	0.00	.91	0.00	230.09	100.00
1000.000	1920.00	759.35	.93	.91	0.00	267.27	100.00
1100.000	520.00	758.22	0.00	.89	0.00	182.81	100.00
1100.000	920.00	759.02	0.00	.90	0.00	217.19	100.00
1100.000	1120.00	759.32	0.00	.90	0.00	230.75	100.00
1100.000	1920.00	760.25	.93	.90	0.00	267.54	100.00
1200.000	520.00	759.12	0.00	.89	0.00	182.01	100.00
1200.000	920.00	759.91	0.00	.89	0.00	216.62	100.00
1200.000	1120.00	760.21	0.00	.89	0.00	230.05	100.00
1200.000	1920.00	761.15	.94	.90	0.00	267.41	100.00
3000.000	520.00	775.85	0.00	16.73	0.00	127.41	1800.00
3000.000	920.00	776.84	0.00	16.93	0.00	138.80	1800.00
3000.000	1120.00	777.22	0.00	17.01	0.00	143.13	1800.00
3000.000	1920.00	778.40	1.18	17.25	0.00	156.66	1800.00
3100.000	520.00	776.85	0.00	1.00	0.00	125.08	100.00
3100.000	920.00	777.87	0.00	1.03	0.00	136.79	100.00
3100.000	1120.00	778.25	0.00	1.03	0.00	141.19	100.00
3100.000	1920.00	779.40	1.21	1.06	0.00	155.06	100.00
3200.000	520.00	778.03	0.00	1.19	0.00	124.95	100.00
3200.000	920.00	779.07	0.00	1.21	0.00	136.84	100.00
3200.000	1120.00	779.45	0.00	1.20	0.00	141.14	100.00
3200.000	1920.00	780.63	1.19	1.17	0.00	154.73	100.00
3300.000	520.00	779.23	0.00	1.20	0.00	124.87	100.00
3300.000	920.00	780.27	0.00	1.20	0.00	136.88	100.00
3300.000	1120.00	780.65	0.00	1.20	0.00	141.10	100.00
3300.000	1920.00	781.83	1.18	1.20	0.00	154.61	100.00
3400.000	520.00	780.44	0.00	1.20	0.00	124.93	100.00
3400.000	920.00	781.47	0.00	1.20	0.00	136.82	100.00
3400.000	1120.00	781.85	0.00	1.21	0.00	141.16	100.00
3400.000	1920.00	783.03	1.18	1.21	0.00	154.69	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3800.000	520.00	785.04	0.00	4.61	0.00	126.16	400.00
3800.000	920.00	786.08	0.00	4.61	0.00	138.10	400.00
3800.000	1120.00	786.46	0.00	4.61	0.00	142.44	400.00
3800.000	1920.00	787.66	1.20	4.62	0.00	156.18	400.00
4600.000	520.00	795.30	0.00	10.25	0.00	35.75	800.00
4600.000	920.00	796.53	0.00	10.45	0.00	46.00	800.00
4600.000	1120.00	797.02	0.00	10.56	0.00	50.04	800.00
4600.000	1920.00	798.52	1.50	10.87	0.00	62.57	800.00
6600.000	520.00	814.62	0.00	19.32	0.00	127.84	2000.00
6600.000	920.00	815.72	0.00	19.19	0.00	156.58	2000.00
6600.000	1120.00	816.17	0.00	19.14	0.00	162.59	2000.00
6600.000	1920.00	817.63	1.47	19.11	0.00	178.46	2000.00
6700.000	520.00	815.31	0.00	.69	0.00	120.54	100.00
6700.000	920.00	816.34	0.00	.62	0.00	142.26	100.00
6700.000	1120.00	816.75	0.00	.59	0.00	153.81	100.00
6700.000	1920.00	818.14	1.39	.50	0.00	171.77	100.00
6800.000	520.00	816.47	0.00	1.16	0.00	119.91	100.00
6800.000	920.00	817.40	0.00	1.06	0.00	138.36	100.00
6800.000	1120.00	817.76	0.00	1.01	0.00	148.35	100.00
6800.000	1920.00	818.97	1.21	.84	0.00	168.15	100.00
6900.000	520.00	817.67	0.00	1.21	0.00	119.96	100.00
6900.000	920.00	818.60	0.00	1.20	0.00	138.33	100.00
6900.000	1120.00	818.95	0.00	1.19	0.00	147.95	100.00
6900.000	1920.00	820.06	1.12	1.09	0.00	166.66	100.00
7000.000	520.00	818.88	0.00	1.20	0.00	120.04	100.00
7000.000	920.00	819.81	0.00	1.20	0.00	138.38	100.00
7000.000	1120.00	820.15	0.00	1.20	0.00	147.91	100.00
7000.000	1920.00	821.24	1.09	1.18	0.00	166.38	100.00
7463.000	430.00	823.38	0.00	4.50	0.00	50.34	463.00
7463.000	750.00	824.42	0.00	4.62	0.00	64.86	463.00
7463.000	900.00	824.82	0.00	4.67	0.00	70.39	463.00
7463.000	1310.00	825.88	1.06	4.64	0.00	95.95	463.00
* 7513.000	430.00	823.91	0.00	.53	0.00	11.00	50.00
* 7513.000	750.00	826.93	0.00	2.51	0.00	116.93	50.00
* 7513.000	900.00	827.37	0.00	2.54	0.00	152.98	50.00
* 7513.000	1310.00	828.00	.64	2.12	0.00	206.02	50.00
* 7607.000	430.00	825.60	0.00	1.70	0.00	11.00	94.00
* 7607.000	750.00	829.10	0.00	2.17	0.00	11.00	94.00
* 7607.000	900.00	830.91	0.00	3.54	0.00	11.00	94.00
* 7607.000	1310.00	832.97	2.06	4.97	0.00	357.45	94.00
7657.000	430.00	826.64	0.00	1.03	0.00	150.24	50.00
7657.000	750.00	830.22	0.00	1.12	0.00	337.99	50.00
7657.000	900.00	832.02	0.00	1.11	0.00	349.18	50.00
7657.000	1310.00	832.98	.96	.01	0.00	355.15	50.00

SUMMARY OF ERRORS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

STREAM 20

T1 GUILFORD COUNTY FIA STUDY ***10 YEAR FLOOD EVENT***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH,TRIBUTARY 1
 T3 FEB 1977 DLQ

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	.005000	0.00	0.0	0.	817.000	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	4.000	870.000	1330.000	1620.000	2300.000	0.000	0.000	0.000	0.000	0.000
X1	50.000	14.000	507.000	542.000	0.000	0.000	0.000	0.000	-1.500	0.000
GR	823.600	350.000	819.900	400.000	819.200	450.000	816.300	500.000	811.100	511.000
GR	810.400	517.000	811.400	525.000	817.300	542.000	817.900	550.000	818.800	600.000
GR	819.400	650.000	819.100	700.000	821.100	750.000	824.200	785.000	0.000	0.000
X1	100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.400	0.000
X1	150.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.400	0.000
X1	253.000	0.000	0.000	0.000	103.000	103.000	103.000	0.000	.700	0.000
X1	303.000	14.000	500.000	542.000	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	817.000	817.000	0.000
GR	823.600	350.000	819.900	400.000	819.200	450.000	816.300	500.000	814.000	510.000
GR	812.000	511.000	812.000	524.000	815.000	533.000	817.300	542.000	818.800	600.000
GR	819.400	650.000	819.100	700.000	821.100	750.000	824.200	785.000	0.000	0.000
SB	.900	1.500	2.500	0.000	12.400	0.000	58.300	0.000	812.100	812.100
X1	338.000	12.000	510.000	525.000	35.000	35.000	35.000	0.000	0.000	0.000
X2	0.000	0.000	1.900	817.000	819.100	0.000	5.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	810.100	819.100	0.000
BT	10.000	250.000	825.900	825.900	400.000	820.900	819.900	450.000	819.600	819.200
BT	500.000	819.100	816.300	510.000	819.100	817.000	525.000	819.100	817.000	550.000
BT	819.000	817.900	600.000	818.900	813.800	700.000	820.900	819.100	785.000	824.200
BT	824.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	825.900	250.000	819.900	400.000	819.200	450.000	816.300	500.000	817.000	510.000
GR	812.000	511.000	812.000	524.000	817.000	525.000	817.900	550.000	818.800	600.000
GR	819.100	700.000	824.200	785.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	388.000	14.000	506.000	527.000	50.000	50.000	50.000	0.000	0.000	0.000

GR	823.600	350.000	819.900	400.000	819.200	450.000	818.300	508.000	811.000	513.000
GR	812.200	518.000	816.200	527.000	817.300	542.000	817.900	550.000	818.800	600.000
GR	819.400	650.000	819.100	700.000	821.100	750.000	824.200	785.000	0.000	0.000
X1	1435.000	15.000	500.000	530.000	1047.000	1047.000	1047.000	0.000	0.000	0.000
GR	829.300	270.000	827.100	300.000	829.000	350.000	824.400	400.000	825.300	450.000
GR	822.800	500.000	817.400	514.000	816.400	521.000	817.500	528.000	823.300	530.000
GR	824.700	550.000	824.100	600.000	824.800	608.000	828.300	650.000	832.700	670.000
X1	1495.000	15.000	500.000	530.000	60.000	60.000	60.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	825.700	825.700	7.000
GR	833.000	200.000	829.300	270.000	827.100	300.000	825.000	350.000	824.400	400.000
GR	825.300	450.000	822.800	500.000	820.800	514.000	818.200	515.000	818.200	526.000
GR	823.300	530.000	823.300	531.000	824.800	608.000	828.300	650.000	832.700	690.000
SB	.900	1.500	2.500	0.000	11.400	0.000	85.500	0.000	0.000	0.000
X1	1545.000	14.000	514.000	527.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	825.700	827.400	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	827.400	827.600	0.000
BT	12.000	200.000	833.900	833.900	250.000	831.600	829.300	300.000	829.600	827.100
BT	350.000	828.100	825.000	400.000	827.300	824.400	500.000	827.400	822.800	514.000
BT	827.400	825.700	527.000	827.600	825.700	950.000	828.700	824.600	600.000	830.900
BT	824.100	650.000	833.800	828.300	698.000	836.900	832.700	0.000	0.000	0.000
GR	833.900	200.000	829.300	250.000	827.100	300.000	825.000	350.000	824.400	400.000
GR	822.800	500.000	825.700	514.000	818.200	515.000	818.200	526.000	825.700	527.000
GR	824.600	550.000	824.100	600.000	828.300	650.000	832.700	698.000	0.000	0.000
X1	1595.000	15.000	500.000	534.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	831.300	325.000	829.600	350.000	829.400	400.000	829.500	450.000	829.300	485.000
GR	828.800	492.000	826.300	500.000	819.200	511.000	818.900	517.000	819.100	520.000
GR	822.800	534.000	823.600	550.000	829.100	600.000	830.900	608.000	834.000	630.000
QT	4.000	640.000	1000.000	1310.000	1700.000	0.000	0.000	0.000	0.000	0.000
X1	2265.000	17.000	500.000	538.000	670.000	670.000	670.000	0.000	0.000	0.000
GR	837.000	125.000	832.000	146.000	830.600	200.000	830.400	300.000	830.000	400.000
GR	829.800	450.000	830.000	470.000	826.400	500.000	822.800	513.000	822.700	518.000
GR	830.700	538.000	830.800	550.000	831.900	600.000	832.700	650.000	834.500	694.000
GR	837.000	700.000	836.500	800.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2335.000	20.000	512.000	522.000	70.000	70.000	70.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	829.800	829.800	0.000
GR	837.000	125.000	832.000	146.000	830.600	200.000	830.400	300.000	830.000	400.000
GR	829.800	450.000	830.000	470.000	826.400	500.000	825.300	512.000	823.700	513.000
GR	823.700	521.000	825.300	522.000	830.700	538.000	830.800	550.000	831.900	600.000
GR	832.700	650.000	834.500	694.000	837.000	700.000	828.900	750.000	836.500	800.000
SB	.900	1.500	2.500	0.000	7.150	0.000	43.600	0.000	0.000	0.000
X1	2385.000	19.000	1000.000	1009.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	829.800	831.800	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	831.800	831.800	0.000
BT	19.000	400.000	838.600	838.600	500.000	835.300	835.300	600.000	834.200	834.200
BT	700.000	833.100	830.600	800.000	831.600	830.400	900.000	830.900	830.000	950.000
BT	831.300	829.800	999.000	831.800	826.400	1000.000	831.800	825.300	1001.000	831.800
BT	828.700	1004.000	831.800	829.800	1009.000	831.800	829.800	1008.000	831.800	828.700
BT	1009.000	831.800	825.300	1010.000	831.800	825.300	1050.000	832.300	830.800	1100.000
BT	833.300	831.900	1150.000	835.000	832.700	1200.000	837.000	837.000	0.000	0.000
GR	838.600	400.000	835.300	500.000	834.200	600.000	830.600	700.000	830.400	800.000
GR	830.000	900.000	829.800	950.000	826.400	999.000	825.300	1000.000	823.900	1001.000
GR	823.700	1004.000	823.700	1005.000	823.900	1008.000	825.300	1009.000	825.300	1010.000

GR	830.800	1050.000	831.900	1100.000	832.700	1150.000	837.000	1200.000	0.000	0.000
X1	2485.000	18.000	500.000	524.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	838.000	365.000	832.300	400.000	830.900	411.000	830.500	426.000	830.600	445.000
GR	828.300	452.000	829.500	500.000	825.300	505.000	825.400	510.000	825.600	514.000
GR	828.700	524.000	828.700	550.000	829.200	560.000	833.300	532.000	833.400	596.000
GR	833.400	609.000	838.000	617.000	840.000	640.000	0.000	0.000	0.000	0.000
QT	4.000	630.000	925.000	1250.000	1590.000	0.000	0.000	0.000	0.000	0.000
X1	3100.000	0.000	0.000	0.000	615.000	615.000	615.000	0.000	4.500	0.000
X1	3715.000	13.000	500.000	525.000	615.000	615.000	615.000	0.000	0.000	0.000
GR	846.900	350.000	843.300	400.000	842.600	434.000	839.100	450.000	839.000	501.000
GR	834.500	504.000	834.200	512.000	834.600	517.000	841.800	525.000	843.100	557.000
GR	845.900	565.000	845.900	600.000	848.500	634.000	0.000	0.000	0.000	0.000
X1	3815.000	14.000	502.000	519.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	845.000	845.000	0.000
GR	846.900	350.000	843.300	400.000	842.600	434.000	839.100	450.000	839.000	502.000
GR	836.200	503.000	836.200	512.000	836.200	518.000	841.800	510.000	841.800	525.000
GR	843.100	550.000	849.900	565.000	849.900	600.000	848.900	634.000	0.000	0.000
SB	.900	1.500	2.500	0.000	15.000	0.000	132.000	0.000	837.100	836.200
X1	3866.000	12.000	500.000	515.000	51.000	51.000	51.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	849.000	846.200	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	846.200	846.200	0.000
BT	9.000	350.000	849.100	848.300	419.000	849.900	845.900	500.000	845.600	845.000
BT	515.000	846.200	845.000	550.000	848.100	843.800	560.000	851.100	844.500	600.000
BT	851.900	850.200	650.000	855.900	855.900	700.000	859.900	859.900	0.000	0.000
GR	848.300	300.000	845.900	419.000	845.000	500.000	837.600	501.000	337.100	509.000
GR	837.700	514.000	845.000	515.000	843.800	550.000	844.500	560.000	850.200	600.000
GR	855.900	650.000	859.900	700.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	3966.000	16.000	500.000	521.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	850.400	300.000	848.300	350.000	847.400	400.000	846.200	450.000	845.900	459.000
GR	842.500	470.000	842.300	500.000	837.600	504.000	837.600	509.000	837.700	515.000
GR	842.300	521.000	843.800	550.000	844.500	560.000	849.600	570.000	850.200	600.000
GR	851.200	620.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***30 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDRING BRANCH,TRIBUTARY 1
 T3 FEB 1977 DLQ

J1	ICHECK	IND	NINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	3.	0.	0.	.005000	0.00	0.0	0.	318.000	0.000
J2	NPROF	IPLOT	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= .200 CEHV= .400
 *SECNO 50,000

SECNO	DEPTH	CWSEL	CRINS	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
50.00	8.25	817.15	0.00	818.00	817.57	.43	0.00	0.00	814.80
1330.	46.	1269.	15.	47.	237.	24.	0.	0.	815.80
0.00	.97	5.36	.61	.120	.060	.120	0.000	808.90	459.53
.005003	0.	0.	0.	0	0	5	0.00	131.98	591.51

*SECNO 100,000

100.00	8.09	817.39	0.00	0.00	817.85	.46	.26	.01	815.20
1330.	41.	1279.	10.	42.	231.	17.	0.	0.	816.20
.00	.98	5.55	.60	.120	.060	.120	.059	809.30	462.12
.005557	50.	50.	50.	0	0	0	0.00	121.06	583.18

*SECNO 150,000

150.00	7.96	817.66	0.00	0.00	818.16	.49	.29	.01	815.60
1330.	36.	1287.	7.	36.	225.	12.	1.	0.	816.60
.01	.99	5.73	.59	.120	.060	.120	.059	809.70	464.58
.006147	50.	50.	50.	0	0	0	0.00	110.65	575.23

*SECNO 253,000

253.00	7.90	818.30	0.00	0.00	818.81	.51	.65	.01	816.30
1330.	34.	1290.	6.	34.	222.	10.	1.	1.	817.30
.01	.99	5.81	.58	.120	.060	.120	.059	810.40	465.53
.006392	103.	103.	103.	2	0	0	0.00	106.64	572.17

*SECNO 303,000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***100 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDING BRANCH,TRIBUTARY 1
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	4.	0.	0.	.005000	0.00	0.0	0.	819.000	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400
 *SECNO 50.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRWS	WSELK	EQ	HV	HL	LOSS	BANK	ELFV
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	
50.00	8.81	817.71	0.00	819.00	818.17	.47	0.00	0.00	814.80	
1620.	82.	1487.	51.	73.	260.	64.	0.	0.	815.80	
0.00	1.12	5.71	.81	.120	.060	.120	0.000	808.90	449.52	
.005007	0.	0.	0.	0	0	0	0.00	204.82	702.67	
*SECNO 100.000										
100.00	8.65	817.95	0.00	0.00	818.45	.51	.26	.02	815.20	
1620.	75.	1505.	40.	65.	254.	49.	0.	0.	816.20	
.00	1.14	5.93	.81	.120	.060	.120	.059	809.30	452.56	
.005588	50.	50.	50.	1	0	0	0.00	168.38	620.95	
*SECNO 150.000										
150.00	8.51	818.21	0.00	0.00	818.76	.55	.29	.02	815.60	
1620.	68.	1521.	31.	59.	248.	39.	1.	0.	816.60	
.00	1.16	6.14	.79	.120	.060	.120	.059	809.70	455.00	
.006173	50.	50.	50.	0	0	0	0.00	154.18	609.18	
*SECNO 253.000										
253.00	8.45	818.85	0.00	0.00	819.42	.57	.65	.01	816.30	
1620.	66.	1527.	27.	56.	245.	35.	2.	1.	817.30	
.01	1.17	6.22	.77	.120	.060	.120	.059	810.40	456.00	
.006430	103.	103.	103.	2	0	0	0.00	148.36	604.35	

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ***500 YEAR FLOOD***
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,BOULDRING BRANCH,TRIBUTARY 1
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FO
	-10.	5.	0.	0.	.005000	0.00	0.0	0.	822.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	TBW	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= .200 CERV= .400
 *SECNO 50.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XMR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
50.00	9.72	818.62	0.00	822.00	819.12	.50	0.00	0.00	814.80
2300.	201.	1865.	233.	148.	299.	217.	0.	0.	815.80
0.00	1.57	6.24	1.08	.120	.060	.120	0.000	808.90	397.00
.004979	0.	0.	0.	0	0	5	0.00	328.56	725.56

*SECNO 100.000

100.00	9.55	818.85	0.00	0.00	819.41	.56	.27	.63	815.20
2300.	184.	1917.	199.	130.	291.	185.	1.	0.	816.20
.00	1.42	6.58	1.08	.120	.060	.120	.059	809.30	399.30
.005717	50.	50.	50.	2	0	0	0.00	321.82	721.18

*SECNO 150.000

150.00	9.41	819.11	0.00	0.00	819.74	.62	.30	.02	815.60
2300.	171.	1956.	173.	117.	286.	161.	1.	1.	816.60
.00	1.46	6.84	1.07	.120	.060	.120	.059	809.70	406.10
.006345	50.	50.	50.	0	0	0	0.00	311.77	717.87

*SECNO 253.000

253.00	9.37	819.77	0.00	0.00	820.41	.64	.67	.01	816.30
2300.	167.	1970.	164.	112.	284.	153.	3.	1.	817.30
.01	1.48	6.94	1.07	.120	.060	.120	.059	810.40	409.56
.006590	103.	103.	103.	2	0	0	0.00	307.10	716.66

*SECNO 303.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	ARFA
50.000	0.00	0.00	0.00	808.90	870.00	815.98	0.00	816.31	50.03	4.59	200.
50.000	0.00	0.00	0.00	808.90	1330.00	817.15	0.00	817.57	50.03	5.36	308.
50.000	0.00	0.00	0.00	808.90	1620.00	817.71	0.00	816.17	50.07	5.71	396.
50.000	0.00	0.00	0.00	808.90	2300.00	818.62	0.00	819.12	49.79	6.24	662.
100.000	50.00	0.00	0.00	809.30	870.00	816.23	0.00	816.58	56.31	4.76	190.
100.000	50.00	0.00	0.00	809.30	1330.00	817.39	0.00	817.85	55.57	5.55	289.
100.000	50.00	0.00	0.00	809.30	1620.00	817.95	0.00	818.45	55.88	5.93	368.
100.000	50.00	0.00	0.00	809.30	2300.00	818.85	0.00	819.41	57.17	6.58	606.
150.000	50.00	0.00	0.00	809.70	870.00	816.51	0.00	816.88	61.82	4.91	183.
150.000	50.00	0.00	0.00	809.70	1330.00	817.66	0.00	818.16	61.47	5.73	272.
150.000	50.00	0.00	0.00	809.70	1620.00	818.21	0.00	818.76	61.73	6.14	345.
150.000	50.00	0.00	0.00	809.70	2300.00	819.11	0.00	819.74	63.45	6.84	563.
253.000	103.00	0.00	0.00	810.40	870.00	817.15	0.00	817.54	64.09	4.98	180.
253.000	103.00	0.00	0.00	810.40	1330.00	818.30	0.00	818.81	63.92	5.81	266.
253.000	103.00	0.00	0.00	810.40	1620.00	818.85	0.00	819.42	64.30	6.22	336.
253.000	103.00	0.00	0.00	810.40	2300.00	819.77	0.00	820.41	65.90	6.94	548.
303.000	50.00	0.00	0.00	812.00	870.00	817.49	0.00	818.01	113.10	5.85	159.
303.000	50.00	0.00	0.00	812.00	1330.00	818.63	0.00	819.22	91.53	6.36	274.
303.000	50.00	0.00	0.00	812.00	1620.00	819.20	0.00	819.79	82.25	6.52	366.
303.000	50.00	0.00	0.00	812.00	2300.00	820.28	0.00	820.76	61.50	6.40	689.
338.000	35.00	819.10	817.00	812.00	870.00	819.66	0.00	819.86	43.61	4.61	438.
338.000	35.00	819.10	817.00	812.00	1330.00	820.33	0.00	820.53	47.00	5.08	649.
338.000	35.00	819.10	817.00	812.00	1620.00	820.64	0.00	820.85	49.93	5.37	755.
338.000	35.00	819.10	817.00	812.00	2300.00	821.18	0.00	821.42	58.69	6.07	948.
388.000	50.00	0.00	0.00	811.00	870.00	819.86	0.00	820.03	26.68	4.09	487.
388.000	50.00	0.00	0.00	811.00	1330.00	820.53	0.00	820.72	30.78	4.69	707.
388.000	50.00	0.00	0.00	811.00	1620.00	820.85	0.00	821.05	33.42	5.03	818.
388.000	50.00	0.00	0.00	811.00	2300.00	821.42	0.00	821.66	39.82	5.77	1027.
1435.000	1047.00	0.00	0.00	816.40	870.00	823.88	0.00	824.34	66.61	5.47	171.
1435.000	1047.00	0.00	0.00	816.40	1330.00	824.98	0.00	825.57	71.23	6.43	314.
1435.000	1047.00	0.00	0.00	816.40	1620.00	825.48	0.00	826.06	68.69	6.64	443.
1435.000	1047.00	0.00	0.00	816.40	2300.00	826.39	0.00	826.90	61.84	6.85	712.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
1495.000	60.00	0.00	0.00	818.20	870.00	824.26	0.00	829.08	163.75	7.25	120.
1495.000	60.00	0.00	0.00	818.20	1330.00	825.25	0.00	826.48	185.16	8.89	149.
1495.000	60.00	0.00	0.00	818.20	1620.00	826.17	0.00	826.49	59.56	5.70	614.
1495.000	60.00	0.00	0.00	818.20	2300.00	826.99	0.00	827.29	53.29	5.88	877.
1545.000	50.00	827.40	825.70	818.20	870.00	824.71	0.00	826.67	438.12	11.26	77.
1545.000	50.00	827.40	825.70	818.20	1330.00	828.28	0.00	828.31	8.98	2.09	1328.
1545.000	50.00	827.40	825.70	818.20	1620.00	828.76	0.00	828.78	9.26	2.19	1511.
1545.000	50.00	827.40	825.70	818.20	2300.00	829.43	0.00	829.47	11.67	2.57	1783.
1595.000	50.00	0.00	0.00	818.90	870.00	827.14	0.00	827.31	20.23	3.55	328.
1595.000	50.00	0.00	0.00	818.90	1330.00	828.22	0.00	828.47	25.04	4.40	427.
1595.000	50.00	0.00	0.00	818.90	1620.00	828.66	0.00	828.97	29.34	4.96	472.
1595.000	50.00	0.00	0.00	818.90	2300.00	829.26	0.00	829.76	43.71	6.36	537.
2265.000	670.00	0.00	0.00	822.70	640.00	828.99	0.00	829.28	52.38	4.43	165.
2265.000	670.00	0.00	0.00	822.70	1000.00	830.33	0.00	830.65	47.54	4.82	292.
2265.000	670.00	0.00	0.00	822.70	1310.00	830.99	0.00	831.28	42.81	4.89	505.
2265.000	670.00	0.00	0.00	822.70	1700.00	831.96	0.00	832.14	26.28	4.27	907.
* 2335.000	70.00	0.00	0.00	823.70	640.00	829.91	829.91	830.28	70.75	6.20	200.
2335.000	70.00	0.00	0.00	823.70	1000.00	830.71	0.00	831.08	73.74	6.88	395.
2335.000	70.00	0.00	0.00	823.70	1310.00	831.40	0.00	831.63	51.03	6.11	679.
2335.000	70.00	0.00	0.00	823.70	1700.00	832.23	0.00	832.36	31.89	5.17	1074.
2385.000	50.00	831.80	829.80	823.70	640.00	831.85	0.00	831.88	7.08	2.36	865.
2385.000	50.00	831.80	829.80	823.70	1000.00	832.34	0.00	832.38	10.11	2.94	1085.
2385.000	50.00	831.80	829.80	823.70	1310.00	832.65	0.00	832.70	12.56	3.36	1239.
2385.000	50.00	831.80	829.80	823.70	1700.00	833.06	0.00	833.06	15.09	3.78	1418.
2485.000	100.00	0.00	0.00	825.30	640.00	831.93	0.00	831.99	13.41	2.64	474.
2485.000	100.00	0.00	0.00	825.30	1000.00	832.44	0.00	832.54	20.98	3.51	563.
2485.000	100.00	0.00	0.00	825.30	1310.00	832.77	0.00	832.92	27.54	4.17	623.
2485.000	100.00	0.00	0.00	825.30	1700.00	833.14	0.00	833.33	35.25	4.90	690.
* 3100.000	615.00	0.00	0.00	829.80	630.00	834.06	834.06	834.79	229.77	7.42	135.
3100.000	615.00	0.00	0.00	829.80	925.00	834.83	834.59	835.42	159.99	7.21	225.
3100.000	615.00	0.00	0.00	829.80	1250.00	835.60	0.00	836.09	118.44	7.01	335.
3100.000	615.00	0.00	0.00	829.80	1590.00	836.28	0.00	836.72	94.69	6.89	449.
3715.000	615.00	0.00	0.00	834.20	630.00	840.56	0.00	840.85	53.24	4.65	195.
3715.000	615.00	0.00	0.00	834.20	925.00	841.20	0.00	841.59	68.06	5.59	248.
3715.000	615.00	0.00	0.00	834.20	1250.00	841.71	0.00	842.22	84.95	6.53	292.
3715.000	615.00	0.00	0.00	834.20	1590.00	842.15	0.00	842.80	100.28	7.42	331.
3815.000	100.00	0.00	0.00	836.20	630.00	841.10	0.00	842.66	221.78	7.96	79.
3815.000	100.00	0.00	0.00	836.20	925.00	841.74	0.00	843.38	332.67	10.27	90.
3815.000	100.00	0.00	0.00	836.20	1250.00	842.16	0.00	844.73	482.06	12.86	97.
* 3815.000	100.00	0.00	0.00	836.20	1590.00	842.92	842.92	846.16	535.15	14.45	110.
3866.000	51.00	846.20	845.00	837.10	630.00	842.24	0.00	843.65	345.51	9.51	66.
3866.000	51.00	846.20	845.00	837.10	925.00	843.43	0.00	845.34	397.50	11.10	83.
3866.000	51.00	846.20	845.00	837.10	1250.00	844.76	0.00	847.06	412.09	12.15	102.
3866.000	51.00	846.20	845.00	837.10	1590.00	847.91	0.00	848.28	195.50	6.29	442.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
3966.000	100.00	0.00	0.00	837.60	630.00	844.47	0.00	844.70	35.82	4.25	232.
3966.000	100.00	0.00	0.00	837.60	925.00	846.11	0.00	846.28	22.74	4.01	398.
3966.000	100.00	0.00	0.00	837.60	1250.00	847.78	0.00	847.91	14.88	3.72	642.
3966.000	100.00	0.00	0.00	837.60	1590.00	848.57	0.00	848.71	15.29	3.98	807.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
50.000	870.00	815.98	0.00	0.00	-1.02	64.77	0.00
50.000	1330.00	817.15	0.00	0.00	-.85	131.98	0.00
50.000	1620.00	817.71	0.00	0.00	-1.29	204.82	0.00
50.000	2300.00	818.62	.92	0.00	-3.38	328.56	0.00
100.000	870.00	816.23	0.00	.25	0.00	60.19	50.00
100.000	1330.00	817.39	0.00	.24	0.00	121.06	50.00
100.000	1620.00	817.95	0.00	.24	0.00	168.38	50.00
100.000	2300.00	818.85	.90	.22	0.00	321.82	50.00
150.000	870.00	816.51	0.00	.28	0.00	57.31	50.00
150.000	1330.00	817.66	0.00	.27	0.00	110.65	50.00
150.000	1620.00	818.21	0.00	.27	0.00	154.18	50.00
150.000	2300.00	819.11	.90	.27	0.00	311.77	50.00
253.000	870.00	817.15	0.00	.64	0.00	56.31	103.00
253.000	1330.00	818.30	0.00	.64	0.00	106.64	103.00
253.000	1620.00	818.85	0.00	.64	0.00	148.36	103.00
253.000	2300.00	819.77	.91	.65	0.00	307.10	103.00
303.000	870.00	817.49	0.00	.33	0.00	69.15	50.00
303.000	1330.00	818.63	0.00	.33	0.00	133.12	50.00
303.000	1620.00	819.20	0.00	.35	0.00	203.57	50.00
303.000	2300.00	820.28	1.08	.52	0.00	335.06	50.00
338.000	870.00	819.66	0.00	2.17	0.00	292.44	35.00
338.000	1330.00	820.33	0.00	1.70	0.00	331.42	35.00
338.000	1620.00	820.64	0.00	1.44	0.00	344.37	35.00
338.000	2300.00	821.18	.54	.90	0.00	367.00	35.00
388.000	870.00	819.86	0.00	.21	0.00	316.73	50.00
388.000	1330.00	820.53	0.00	.20	0.00	344.33	50.00
388.000	1620.00	820.85	0.00	.21	0.00	356.50	50.00
388.000	2300.00	821.42	.57	.24	0.00	374.11	50.00
1435.000	870.00	823.88	0.00	4.02	0.00	59.94	1047.00
1435.000	1330.00	824.98	0.00	4.45	0.00	234.32	1047.00
1435.000	1620.00	825.48	0.00	4.63	0.00	277.49	1047.00
1435.000	2300.00	826.39	.91	4.97	0.00	310.20	1047.00
1495.000	870.00	824.26	0.00	.38	0.00	30.00	60.00
1495.000	1330.00	825.25	0.00	.27	0.00	30.00	60.00
1495.000	1620.00	826.17	0.00	.69	0.00	302.04	60.00
1495.000	2300.00	826.99	.83	.60	0.00	331.75	60.00
1545.000	870.00	824.71	0.00	.44	0.00	12.74	50.00
1545.000	1330.00	828.26	0.00	3.03	0.00	376.71	50.00
1545.000	1620.00	828.76	0.00	2.59	0.00	392.72	50.00
1545.000	2300.00	829.43	.68	2.44	0.00	413.84	50.00
1595.000	870.00	827.14	0.00	2.44	0.00	84.79	50.00
1595.000	1330.00	828.22	0.00	-.07	0.00	98.15	50.00
1595.000	1620.00	828.66	0.00	-.10	0.00	103.60	50.00
1595.000	2300.00	829.26	.59	-.18	0.00	115.09	50.00

SECNO	Q	CWSEL	DIFNSP	DIFWSX	DIFKWS	TOPWID	XLCH
2265.000	640.00	828.99	0.00	1.85	0.00	55.31	670.00
2265.000	1000.00	830.33	0.00	2.11	0.00	219.14	670.00
2265.000	1310.00	830.99	0.00	2.33	0.00	373.87	670.00
2265.000	1700.00	831.96	.97	2.70	0.00	456.30	670.00
* 2335.000	640.00	829.91	0.00	.92	0.00	114.44	70.00
2335.000	1000.00	830.71	0.00	.38	0.00	367.08	70.00
2335.000	1310.00	831.40	0.00	.41	0.00	440.77	70.00
2335.000	1700.00	832.23	.83	.27	0.00	518.15	70.00
2385.000	640.00	831.85	0.00	1.95	0.00	432.81	50.00
2385.000	1000.00	832.34	0.00	1.63	0.00	475.71	50.00
2385.000	1310.00	832.65	0.00	1.25	0.00	504.13	50.00
2385.000	1700.00	833.00	.35	.77	0.00	520.22	50.00
2485.000	640.00	831.93	0.00	.07	0.00	171.72	100.00
2485.000	1000.00	832.44	0.00	.10	0.00	178.23	100.00
2485.000	1310.00	832.77	0.00	.12	0.00	182.07	100.00
2485.000	1700.00	833.14	.37	.14	0.00	188.27	100.00
* 3100.000	630.00	834.06	0.00	2.13	0.00	113.77	615.00
3100.000	925.00	834.83	0.00	2.39	0.00	120.29	615.00
3100.000	1250.00	835.60	0.00	2.82	0.00	160.72	615.00
3100.000	1590.00	836.26	.69	3.15	0.00	169.82	615.00
3715.000	630.00	840.56	0.00	6.50	0.00	80.29	615.00
3715.000	925.00	841.20	0.00	6.37	0.00	83.94	615.00
3715.000	1250.00	841.71	0.00	6.12	0.00	86.86	615.00
3715.000	1590.00	842.15	.44	5.87	0.00	95.70	615.00
3815.000	630.00	841.10	0.00	.54	0.00	16.88	100.00
3815.000	925.00	841.74	0.00	.54	0.00	16.99	100.00
3815.000	1250.00	842.16	0.00	.45	0.00	17.00	100.00
* 3815.000	1590.00	842.92	.76	.77	0.00	17.00	100.00
3866.000	630.00	842.24	0.00	1.14	0.00	14.25	51.00
3866.000	925.00	843.43	0.00	1.69	0.00	14.57	51.00
3866.000	1250.00	844.76	0.00	2.60	0.00	14.93	51.00
3866.000	1590.00	847.91	3.15	4.99	0.00	264.85	51.00
3966.000	630.00	844.47	0.00	2.23	0.00	95.95	100.00
3966.000	925.00	846.11	0.00	2.68	0.00	110.41	100.00
3966.000	1250.00	847.78	0.00	3.01	0.00	187.48	100.00
3966.000	1590.00	848.57	.79	.65	0.00	224.31	100.00

SUMMARY OF ERRORS

CAUTION SECNO= 2335.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2335.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2335.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3100.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 3815.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3815.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD CO FIA
 T2 STREAM 34 10 YR
 T3 FEB 17 1977 HLJ

J1	ICHECK	INC	NINV	IDIR	STRI	METRIC	HVINS	0	WSEL	FO
	0.	2.	0.	0.	.011600	0.00	0.0	0.	738.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
BT	4.000	500.000	1000.000	1500.000	2500.000	0.000	0.000	0.000	0.000	0.000
X1	500.000	11.000	1000.000	1015.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	750.000	855.000	740.000	905.000	730.000	955.000	726.000	985.000	725.500	1000.000
GR	721.500	1003.000	721.500	1015.000	725.500	1018.000	726.000	1025.000	730.000	1050.000
GR	736.000	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	1550.000	10.000	1000.000	1020.000	1050.000	1050.000	1050.000	0.000	0.000	0.000
GR	756.000	760.000	750.000	870.000	740.000	910.000	738.000	1000.000	733.000	1005.000
GR	733.000	1015.000	738.000	1020.000	740.000	1070.000	750.000	1110.000	760.000	1140.000
NC	0.000	0.000	0.000	.350	.700	0.000	0.000	0.000	0.000	0.000
X1	1761.000	10.000	1000.000	1028.000	210.000	210.000	210.000	0.000	0.000	0.000
GR	759.000	865.000	750.000	915.000	741.000	950.000	740.400	1000.000	735.000	1013.000
GR	735.100	1016.000	735.700	1025.000	730.300	1028.000	740.000	1050.000	760.000	1140.000
X1	1780.000	9.000	1000.000	1016.000	20.000	20.000	20.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	743.700	743.700	0.000
GR	759.000	865.000	750.000	915.000	741.000	950.000	740.400	1000.000	735.400	1001.000
GR	735.400	1015.000	739.300	1016.000	740.000	1050.000	760.000	1140.000	0.000	0.000
SH	1.250	1.660	3.000	0.000	15.000	1.000	116.000	0.000	738.500	735.400
X1	2060.000	19.000	1000.000	1015.000	280.000	280.000	280.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	746.800	760.200	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	13.000	450.000	780.000	0.000	570.000	770.000	0.000	702.000	764.700	0.000
BT	777.000	761.000	0.000	823.000	760.800	0.000	869.000	760.200	0.000	924.000
BT	760.400	0.000	1000.000	762.500	0.000	1001.000	762.300	746.800	1014.000	762.500
BT	746.800	1015.000	762.500	0.000	1067.000	763.800	0.000	1160.000	770.000	0.000
GR	780.000	450.000	770.000	570.000	760.000	600.000	752.000	702.000	748.000	745.000
GR	747.000	777.000	746.000	800.000	745.500	825.000	744.500	869.000	744.000	900.000
GR	742.000	924.000	742.300	1000.000	738.500	1001.000	738.500	1014.000	741.900	1015.000
GR	742.000	1035.000	750.000	1067.000	760.000	1100.000	770.000	1160.000	0.000	0.000

X1	2070.000	15.000	1000.000	1019.000	10.000	10.000	10.000	0.000	0.000	0.000
X5	1.000	743.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	770.000	570.000	760.000	620.000	750.000	730.000	748.000	745.000	746.000	790.000
GR	744.000	890.000	742.000	925.000	741.800	1000.000	738.200	1005.000	737.900	1014.000
GR	740.400	1015.000	741.900	1019.000	742.000	1035.000	750.000	1065.000	770.000	1160.000
NC	0.000	0.000	0.000	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	2150.000	0.000	0.000	0.000	80.000	80.000	80.000	0.000	1.000	0.000
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X1	2350.000	10.000	1000.000	1023.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	760.000	750.000	748.000	880.000	746.000	915.000	745.500	1000.000	742.000	1006.000
GR	742.000	1018.000	746.000	1023.000	746.000	1040.000	750.000	1055.000	760.000	1070.000

X1	2600.000	10.000	1000.000	1024.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	770.000	660.000	760.000	800.000	759.000	900.000	750.000	965.000	748.500	1000.000
GR	744.500	1006.000	744.500	1018.000	748.500	1024.000	750.000	1050.000	770.000	1140.000
QT	4.000	400.000	900.000	1100.000	1850.000	0.000	0.000	0.000	0.000	0.000

X1	3050.000	12.000	1000.000	1024.000	450.000	450.000	450.000	0.000	-2.000	0.000
GR	770.000	855.000	760.000	895.000	758.000	915.000	756.000	940.000	755.500	1000.000
GR	751.000	1006.000	751.000	1018.000	755.500	1024.000	756.000	1030.000	758.000	1040.000
GR	760.000	1050.000	770.000	1135.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	4320.000	14.000	1034.000	1061.000	1270.000	1270.000	1270.000	0.000	0.000	0.000
GR	804.700	500.000	799.300	600.000	793.700	700.000	787.000	800.000	777.700	900.000
GR	768.100	1000.000	765.700	1034.000	761.200	1040.000	762.000	1054.000	766.100	1061.000
GR	765.500	1100.000	765.700	1152.000	776.300	1200.000	779.200	1220.000	0.000	0.000

X1	5080.000	12.000	1000.000	1028.000	760.000	760.000	760.000	0.000	0.000	0.000
GR	786.000	900.000	784.000	910.000	782.000	935.000	780.000	950.000	776.000	965.000
GR	775.000	1000.000	769.700	1006.000	769.700	1021.000	775.000	1028.000	776.000	1180.000
GR	780.000	1210.000	786.000	1250.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5250.000	8.000	1000.000	1031.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	763.000	900.000	780.000	940.000	777.000	1000.000	771.500	1008.000	771.500	1023.000
GR	777.000	1031.000	778.000	1125.000	785.000	1200.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5380.000	13.000	1000.000	1054.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	790.000	830.000	786.000	860.000	784.400	924.000	781.100	1000.000	776.600	1008.000
GR	773.200	1012.000	773.200	1017.000	773.700	1022.000	775.500	1028.000	780.000	1054.000
GR	782.100	1056.000	783.700	1140.000	790.000	1190.000	0.000	0.000	0.000	0.000

X1	5420.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	.400	0.000
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X1	5450.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	.200	0.000
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X1	5463.000	12.000	1000.000	1015.000	13.000	13.000	13.000	0.000	0.000	0.000
GR	794.000	720.000	785.500	800.000	781.800	900.000	781.300	1000.000	774.100	1001.000
GR	774.400	1006.000	777.800	1014.000	781.300	1015.000	785.200	1100.000	787.700	1158.000
GR	790.000	1190.000	800.000	1300.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.900	0.000	13.000	1.000	71.000	.200	774.600	774.400

X1	5496.000	14.000	1000.000	1015.000	33.000	33.000	33.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	779.900	782.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	782.400	782.800	0.000	0.000
BT	10.000	720.000	794.000	0.000	800.000	787.000	0.000	900.000	783.400	0.000
RI	1000.000	782.400	0.000	1001.000	782.400	779.900	1014.000	782.800	779.900	1015.000
BT	782.800	0.000	1100.000	785.200	0.000	1150.000	787.700	0.000	1300.000	800.000
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	797.000	720.000	790.500	800.000	786.700	830.000	781.200	875.000	781.000	900.000
GR	779.900	950.000	777.900	1000.000	774.100	1001.000	774.400	1008.000	777.800	1014.000
GR	779.500	1015.000	784.000	1100.000	787.700	1150.000	800.000	1300.000	0.000	0.000

X1	5506.000	11.000	1000.000	1024.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	797.000	720.000	790.000	810.000	786.700	830.000	781.200	875.000	779.900	950.000
GR	777.900	1000.000	775.000	1009.000	774.600	1015.000	779.500	1024.000	785.200	1126.000
GR	800.000	1300.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	5525.000	0.000	0.000	0.000	19.000	19.000	19.000	0.000	.200	0.000
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X1	5575.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000
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X1	5750.000	8.000	1000.000	1024.000	175.000	175.000	175.000	0.000	-1.500	0.000
GR	793.000	850.000	785.000	900.000	782.500	1000.000	780.000	1006.000	780.000	1014.000
GR	784.000	1024.000	789.000	1115.000	792.000	1200.000	0.000	0.000	0.000	0.000

X1	5850.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.500	0.000
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X1	6200.000	8.000	1000.000	1024.000	350.000	350.000	350.000	0.000	0.000	0.000
GR	810.000	800.000	790.000	930.000	788.000	1000.000	785.000	1007.000	785.000	1014.000
GR	789.000	1024.000	793.000	1100.000	803.000	1200.000	0.000	0.000	0.000	0.000

X1	6840.000	12.000	984.000	1008.000	640.000	640.000	640.000	0.000	0.000	0.000
GR	819.700	800.000	815.600	900.000	813.600	923.000	798.600	969.000	797.500	984.000
GR	794.200	991.000	794.300	1000.000	798.200	1008.000	799.300	1050.000	804.000	1100.000
GR	808.600	1150.000	815.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	4.000	300.000	700.000	850.000	1300.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	8525.000	13.000	1000.000	1017.000	1685.000	1685.000	1685.000	0.000	0.000	0.000
GR	833.000	740.000	822.000	820.000	821.500	944.000	815.700	928.000	813.900	1000.000
GR	812.600	1000.000	812.300	1009.000	812.600	1012.000	814.000	1017.000	817.400	1034.000
GR	818.900	1048.000	821.800	1071.000	833.000	1130.000	0.000	0.000	0.000	0.000

X1	8545.000	15.000	997.060	1002.940	20.000	20.000	20.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	819.100	819.100	0.000
GR	833.000	740.000	822.000	820.000	821.500	980.000	815.000	990.000	817.300	997.060
GR	814.900	997.060	813.160	998.800	813.160	1001.200	814.900	1002.940	817.300	1002.940
GR	815.000	1017.000	818.000	1035.000	833.000	1065.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	.500	1.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.900	0.000	5.000	.300	28.300	0.000	816.520	813.100

X1	8777.000	19.000	997.060	1002.940	232.000	232.000	232.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	822.400	824.100	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	824.100	824.100	0.000
BT	11.000	700.000	830.000	0.000	800.000	824.200	0.000	850.000	824.100	0.000

BT	960.000	825.700	0.000	997.060	827.500	820.720	998.800	827.500	822.460	1001.200
BT	827.500	822.460	1002.940	827.500	820.720	1050.000	829.400	0.000	1100.000	830.500
BT	0.000	1160.000	835.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	830.000	700.000	823.000	800.000	823.500	850.000	840.000	851.000	840.000	899.000
GR	823.500	900.000	823.500	935.000	822.500	983.000	820.720	997.060	820.720	997.060
GR	816.580	998.800	816.580	1001.200	818.320	1002.940	820.720	1002.940	825.900	1017.000
GR	826.500	1050.000	826.500	1100.000	827.000	1150.000	835.000	1160.000	0.000	0.000

X1	8785.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.080	.060	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	8800.000	10.000	1000.000	1034.000	15.000	15.000	15.000	0.000	0.000	0.000
GR	830.000	700.000	823.000	800.000	823.500	850.000	823.500	950.000	821.500	1000.000
GR	817.300	1014.000	816.700	1018.000	825.900	1034.000	827.000	1150.000	835.000	1200.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NATIONAL ARCHIVES
 COLLEGE PARK, MARYLAND
 20740
 2025 RELEASE UNDER E.O. 14176

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 1977 HLJ

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWSEL	CRWS	EG	10K+S	VCH	AREA
500.000	0.00	0.00	0.00	721.50	500.00	726.55	0.00	727.10	109.62	6.08	98.
500.000	0.00	0.00	0.00	721.50	1000.00	728.25	0.00	728.98	108.35	7.51	198.
500.000	0.00	0.00	0.00	721.50	1300.00	728.98	0.00	729.79	108.96	8.13	254.
500.000	0.00	0.00	0.00	721.50	2500.00	731.08	0.00	732.67	109.88	9.76	454.
1550.000	1050.00	0.00	0.00	733.00	500.00	738.38	0.00	738.94	116.00	6.05	87.
1550.000	1050.00	0.00	0.00	733.00	1000.00	739.91	0.00	740.62	113.51	7.39	240.
1550.000	1050.00	0.00	0.00	733.00	1300.00	740.48	0.00	741.16	107.12	7.66	332.
1550.000	1050.00	0.00	0.00	733.00	2500.00	742.16	0.00	742.79	93.93	8.41	620.
1761.000	210.00	0.00	0.00	735.00	500.00	740.48	0.00	740.79	63.11	4.52	126.
1761.000	210.00	0.00	0.00	735.00	1000.00	742.02	0.00	742.42	59.37	5.49	279.
1761.000	210.00	0.00	0.00	735.00	1300.00	742.51	0.00	742.98	67.15	6.19	336.
1761.000	210.00	0.00	0.00	735.00	2500.00	744.02	0.00	744.75	86.55	8.19	522.
1780.000	20.00	0.00	0.00	735.40	500.00	740.56	0.00	741.20	132.94	6.40	75.
1780.000	20.00	0.00	0.00	735.40	1000.00	741.89	0.00	743.46	256.68	10.07	99.
1780.000	20.00	0.00	0.00	735.40	1300.00	742.20	0.00	744.60	374.33	12.46	104.
1780.000	20.00	0.00	0.00	735.40	2500.00	744.32	0.00	744.98	115.15	8.76	561.
* 2060.000	280.00	760.20	746.80	738.50	500.00	740.76	0.00	744.85	2047.75	16.22	36.
* 2060.000	280.00	760.20	746.80	738.50	1000.00	745.43	0.00	745.54	29.84	3.90	556.
* 2060.000	280.00	760.20	746.80	738.50	1300.00	746.75	0.00	746.82	16.27	3.25	887.
* 2060.000	280.00	760.20	746.80	738.50	2500.00	756.29	0.00	756.29	.74	1.17	4367.
* 2070.000	10.00	0.00	0.00	737.90	500.00	743.40	0.00	743.58	52.38	4.17	234.
2070.000	10.00	0.00	0.00	737.90	1000.00	745.47	0.00	745.57	22.33	3.57	605.
2070.000	10.00	0.00	0.00	737.90	1300.00	746.77	0.00	746.83	13.00	3.09	943.
2070.000	10.00	0.00	0.00	737.90	2500.00	756.29	0.00	756.29	.69	1.23	4372.
2150.000	80.00	0.00	0.00	738.90	500.00	743.88	0.00	744.25	111.74	5.56	164.
2150.000	80.00	0.00	0.00	738.90	1000.00	745.67	0.00	745.86	47.61	4.75	437.
2150.000	80.00	0.00	0.00	738.90	1300.00	746.88	0.00	747.00	26.42	4.05	706.
2150.000	80.00	0.00	0.00	738.90	2500.00	756.29	0.00	756.30	.92	1.37	3948.
2350.000	200.00	0.00	0.00	742.00	500.00	746.24	745.26	746.76	134.87	6.02	121.
2350.000	200.00	0.00	0.00	742.00	1000.00	746.99	746.89	747.76	182.98	8.04	226.
2350.000	200.00	0.00	0.00	742.00	1300.00	747.60	0.00	748.26	147.12	7.90	310.
2350.000	200.00	0.00	0.00	742.00	2500.00	756.31	0.00	756.34	3.15	2.33	2235.

SECNO	XLCH	ELTRD	ELLC	FLMIN	O	CWSEL	CRWS	EG	10K*S	VCH	AREA
2600.000	250.00	0.00	0.00	744.50	500.00	749.19	0.00	749.67	100.94	5.58	98.
2600.000	250.00	0.00	0.00	744.50	1000.00	750.56	0.00	751.27	110.36	7.19	203.
2600.000	250.00	0.00	0.00	744.50	1300.00	750.94	0.00	751.84	132.71	8.29	240.
2600.000	250.00	0.00	0.00	744.50	2500.00	756.35	0.00	756.58	19.71	5.06	949.
3050.000	450.00	0.00	0.00	749.00	400.00	753.56	0.00	753.93	86.47	4.85	82.
3050.000	450.00	0.00	0.00	749.00	900.00	755.18	0.00	755.68	85.14	6.22	227.
3050.000	450.00	0.00	0.00	749.00	1100.00	755.83	0.00	756.28	70.24	6.13	303.
3050.000	450.00	0.00	0.00	749.00	1850.00	757.52	0.00	757.94	54.27	6.40	532.
4320.000	1270.00	0.00	0.00	761.20	400.00	765.59	0.00	765.98	104.41	5.03	80.
4320.000	1270.00	0.00	0.00	761.20	900.00	766.95	0.00	767.43	100.79	6.18	245.
4320.000	1270.00	0.00	0.00	761.20	1100.00	767.15	0.00	767.74	118.75	6.93	275.
4320.000	1270.00	0.00	0.00	761.20	1850.00	767.96	767.64	768.76	146.99	8.60	398.
5080.000	760.00	0.00	0.00	769.70	400.00	773.62	0.00	774.03	107.44	5.14	77.
5080.000	760.00	0.00	0.00	769.70	900.00	775.43	773.95	776.20	129.69	7.07	143.
5080.000	760.00	0.00	0.00	769.70	1100.00	775.99	774.46	776.75	116.56	7.24	232.
5080.000	760.00	0.00	0.00	769.70	1850.00	777.14	0.00	777.79	97.55	7.60	488.
5230.000	150.00	0.00	0.00	771.50	400.00	775.28	0.00	775.69	113.77	5.16	77.
5230.000	150.00	0.00	0.00	771.50	900.00	777.35	0.00	778.01	109.41	6.52	146.
5230.000	150.00	0.00	0.00	771.50	1100.00	777.74	776.19	778.50	117.08	7.14	189.
5230.000	150.00	0.00	0.00	771.50	1850.00	778.66	778.55	779.62	134.05	8.58	352.
5380.000	150.00	0.00	0.00	773.20	400.00	777.23	0.00	777.79	165.79	6.01	66.
5380.000	150.00	0.00	0.00	773.20	900.00	779.22	0.00	780.11	167.44	7.54	119.
5380.000	150.00	0.00	0.00	773.20	1100.00	779.73	0.00	780.76	179.89	8.16	134.
5380.000	150.00	0.00	0.00	773.20	1850.00	780.85	0.00	782.64	251.19	10.77	175.
5420.000	40.00	0.00	0.00	773.60	400.00	777.93	0.00	778.39	124.87	5.43	73.
5420.000	40.00	0.00	0.00	773.60	900.00	779.99	0.00	780.73	131.49	6.90	130.
5420.000	40.00	0.00	0.00	773.60	1100.00	780.58	0.00	781.42	134.57	7.37	149.
5420.000	40.00	0.00	0.00	773.60	1850.00	782.33	0.00	783.47	127.72	8.66	235.
5450.000	30.00	0.00	0.00	773.80	400.00	778.34	0.00	778.74	103.52	5.07	78.
5450.000	30.00	0.00	0.00	773.80	900.00	780.45	0.00	781.11	112.19	6.51	138.
5450.000	30.00	0.00	0.00	773.80	1100.00	781.06	0.00	781.81	113.68	6.96	158.
5450.000	30.00	0.00	0.00	773.80	1850.00	782.89	0.00	783.84	101.64	8.03	265.
* 5463.000	13.00	0.00	0.00	774.10	400.00	778.14	778.14	779.65	548.08	9.85	40.
* 5463.000	13.00	0.00	0.00	774.10	900.00	780.31	780.31	782.79	570.09	12.64	71.
* 5463.000	13.00	0.00	0.00	774.10	1100.00	782.55	782.55	783.31	150.92	7.95	230.
* 5463.000	13.00	0.00	0.00	774.10	1850.00	783.27	783.27	784.11	180.94	9.28	358.
* 5496.000	33.00	782.40	779.90	774.10	400.00	778.64	0.00	779.68	323.15	8.20	48.
* 5496.000	33.00	782.40	779.90	774.10	900.00	783.21	0.00	783.25	8.63	2.38	669.
* 5496.000	33.00	782.40	779.90	774.10	1100.00	784.04	0.00	784.08	6.50	2.21	867.
* 5496.000	33.00	782.40	779.90	774.10	1850.00	784.83	0.00	784.89	10.24	2.94	1069.
5506.000	10.00	0.00	0.00	774.60	400.00	779.73	0.00	779.96	58.83	4.15	124.
5506.000	10.00	0.00	0.00	774.60	900.00	783.22	0.00	783.26	6.27	2.16	723.
5506.000	10.00	0.00	0.00	774.60	1100.00	784.05	0.00	784.08	4.92	2.06	925.
5506.000	10.00	0.00	0.00	774.60	1850.00	784.83	0.00	784.89	8.16	2.83	1132.

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
5525.000	19.00	0.00	0.00	774.80	400.00	779.81	0.00	780.11	73.31	4.54	117.
5525.000	19.00	0.00	0.00	774.80	900.00	783.21	0.00	783.28	11.41	2.86	678.
5525.000	19.00	0.00	0.00	774.80	1100.00	734.05	0.00	784.11	9.18	2.77	875.
5525.000	19.00	0.00	0.00	774.80	1850.00	784.82	0.00	784.94	15.60	3.85	1075.
5575.000	50.00	0.00	0.00	775.30	400.00	780.19	0.00	780.52	85.13	4.77	108.
5575.000	50.00	0.00	0.00	775.30	900.00	783.26	0.00	783.37	16.78	3.30	575.
5575.000	50.00	0.00	0.00	775.30	1100.00	784.09	0.00	784.17	12.92	3.15	761.
5575.000	50.00	0.00	0.00	775.30	1850.00	784.90	0.00	785.04	20.65	4.27	961.
5750.000	175.00	0.00	0.00	778.50	400.00	782.16	0.00	782.69	179.79	6.09	87.
5750.000	175.00	0.00	0.00	778.50	900.00	783.64	0.00	784.16	125.19	6.75	247.
5750.000	175.00	0.00	0.00	778.50	1100.00	784.38	0.00	784.74	78.42	5.97	360.
5750.000	175.00	0.00	0.00	778.50	1850.00	785.36	0.00	785.81	85.42	7.07	533.
5850.000	100.00	0.00	0.00	780.00	400.00	783.86	0.00	784.29	139.39	5.54	101.
5850.000	100.00	0.00	0.00	780.00	900.00	784.97	0.00	785.61	157.36	7.34	222.
5850.000	100.00	0.00	0.00	780.00	1100.00	785.27	0.00	785.95	159.06	7.76	266.
5850.000	100.00	0.00	0.00	780.00	1850.00	786.30	0.00	787.00	143.74	8.56	432.
6200.000	350.00	0.00	0.00	785.00	400.00	789.00	0.00	789.51	158.07	5.85	82.
6200.000	350.00	0.00	0.00	785.00	900.00	790.31	0.00	790.99	149.33	7.39	204.
6200.000	350.00	0.00	0.00	785.00	1100.00	790.64	0.00	791.36	149.57	7.81	247.
6200.000	350.00	0.00	0.00	785.00	1850.00	791.57	0.00	792.47	165.49	9.33	377.
6840.000	640.00	0.00	0.00	794.20	400.00	793.32	0.00	798.80	133.76	5.62	75.
6840.000	640.00	0.00	0.00	794.20	900.00	799.70	0.00	800.49	146.30	7.60	171.
6840.000	640.00	0.00	0.00	794.20	1100.00	800.09	0.00	800.95	148.34	8.11	206.
6840.000	640.00	0.00	0.00	794.20	1850.00	801.34	0.00	802.34	142.93	9.31	334.
8525.000	1685.00	0.00	0.00	812.30	300.00	815.86	0.00	816.08	74.93	4.29	103.
8525.000	1685.00	0.00	0.00	812.30	700.00	817.19	0.00	817.46	67.00	5.21	199.
8525.000	1685.00	0.00	0.00	812.30	850.00	817.58	0.00	817.87	65.62	5.46	230.
8525.000	1685.00	0.00	0.00	812.30	1300.00	818.55	0.00	818.90	62.64	6.07	316.
* 8545.000	20.00	0.00	0.00	813.16	300.00	817.99	817.99	820.16	919.37	11.84	25.
* 8545.000	20.00	0.00	0.00	813.16	700.00	819.13	819.13	819.45	140.10	5.61	156.
* 8545.000	20.00	0.00	0.00	813.16	850.00	819.14	819.14	819.62	203.53	6.77	157.
* 8545.000	20.00	0.00	0.00	813.16	1300.00	819.11	819.11	820.25	493.15	10.49	155.
* 8777.000	232.00	824.10	822.40	816.58	300.00	824.47	0.00	824.49	13.46	2.09	280.
8777.000	232.00	824.10	822.40	816.58	700.00	825.11	0.00	825.17	27.48	3.16	402.
8777.000	232.00	824.10	822.40	816.58	850.00	825.37	0.00	825.44	28.80	3.31	454.
8777.000	232.00	824.10	822.40	816.58	1300.00	825.91	0.00	826.01	35.92	3.86	564.
8785.000	1.00	0.00	0.00	816.58	300.00	824.47	0.00	824.49	13.46	2.09	280.
8785.000	1.00	0.00	0.00	816.58	700.00	825.11	0.00	825.17	27.48	3.16	402.
8785.000	1.00	0.00	0.00	816.58	850.00	825.37	0.00	825.44	28.80	3.31	454.
8785.000	1.00	0.00	0.00	816.58	1300.00	825.91	0.00	826.01	35.93	3.86	564.
8800.000	15.00	0.00	0.00	816.70	300.00	824.49	0.00	824.51	3.24	1.21	429.
8800.000	15.00	0.00	0.00	816.70	700.00	825.16	0.00	825.20	7.90	2.01	600.
8800.000	15.00	0.00	0.00	816.70	850.00	825.42	0.00	825.47	8.72	2.16	672.
8800.000	15.00	0.00	0.00	816.70	1300.00	825.98	0.00	826.04	11.80	2.64	823.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
500.000	500.00	726.55	0.00	0.00	-11.49	47.55	0.00
500.000	1000.00	728.25	0.00	0.00	-11.75	70.88	0.00
500.000	1300.00	728.98	0.00	0.00	-12.02	80.99	0.00
500.000	2500.00	731.08	2.10	0.00	-11.92	109.41	0.00
1550.000	500.00	738.38	0.00	11.83	0.00	45.79	1050.00
1550.000	1000.00	739.91	0.00	11.66	0.00	153.68	1050.00
1550.000	1300.00	740.48	0.00	11.50	0.00	163.85	1050.00
1550.000	2500.00	742.16	1.68	11.08	0.00	177.32	1050.00
1761.000	500.00	740.48	0.00	2.10	0.00	58.89	210.00
1761.000	1000.00	742.02	0.00	2.11	0.00	113.08	210.00
1761.000	1300.00	742.51	0.00	2.03	0.00	117.17	210.00
1761.000	2500.00	744.02	1.51	1.86	0.00	129.81	210.00
1780.000	500.00	740.56	0.00	.08	0.00	16.00	20.00
1780.000	1000.00	741.89	0.00	-.14	0.00	16.00	20.00
1780.000	1300.00	742.20	0.00	-.32	0.00	16.00	20.00
1780.000	2500.00	744.32	2.13	.30	0.00	132.37	20.00
* 2060.000	500.00	740.76	0.00	.20	0.00	14.26	280.00
* 2060.000	1000.00	745.43	0.00	3.54	0.00	220.54	280.00
* 2060.000	1300.00	746.75	0.00	4.56	0.00	271.31	280.00
* 2060.000	2500.00	756.29	9.53	11.97	0.00	440.50	280.00
* 2070.000	500.00	743.40	0.00	2.64	0.00	139.75	10.00
2070.000	1000.00	745.47	0.00	.04	0.00	231.63	10.00
2070.000	1300.00	746.77	0.00	.02	0.00	280.22	10.00
2070.000	2500.00	756.29	9.52	.00	0.00	434.02	10.00
2150.000	500.00	743.88	0.00	.48	0.00	128.66	80.00
2150.000	1000.00	745.67	0.00	.20	0.00	188.73	80.00
2150.000	1300.00	746.88	0.00	.11	0.00	253.93	80.00
2150.000	2500.00	756.29	9.41	.01	0.00	418.36	80.00
2350.000	500.00	746.24	0.00	2.36	0.00	129.85	200.00
2350.000	1000.00	746.99	0.00	1.32	0.00	146.01	200.00
2350.000	1300.00	747.60	0.00	.72	0.00	158.90	200.00
2350.000	2500.00	756.31	8.71	.02	0.00	274.47	200.00
2600.000	500.00	749.19	0.00	2.95	0.00	52.15	250.00
2600.000	1000.00	750.56	0.00	3.58	0.00	92.10	250.00
2600.000	1300.00	750.04	0.00	3.35	0.00	97.01	250.00
2600.000	2500.00	756.35	5.41	.04	0.00	165.29	250.00
3050.000	400.00	753.56	0.00	4.37	0.00	32.16	450.00
3050.000	900.00	755.18	0.00	4.61	0.00	110.59	450.00
3050.000	1100.00	755.83	0.00	4.89	0.00	122.04	450.00
3050.000	1850.00	757.52	1.69	1.17	0.00	147.86	450.00
4320.000	400.00	765.59	0.00	12.02	0.00	53.16	1270.00
4320.000	900.00	766.95	0.00	11.78	0.00	141.39	1270.00
4320.000	1100.00	767.15	0.00	11.32	0.00	145.26	1270.00
4320.000	1850.00	767.96	.81	10.44	0.00	160.29	1270.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5080.000	400.00	773.62	0.00	8.04	0.00	24.63	760.00
5080.000	900.00	775.43	0.00	8.48	0.00	109.00	760.00
5080.000	1100.00	775.99	0.00	8.84	0.00	212.22	760.00
5080.000	1850.00	777.14	1.15	9.18	0.00	227.85	760.00
5230.000	400.00	775.28	0.00	1.66	0.00	25.99	150.00
5230.000	900.00	777.35	0.00	1.92	0.00	81.57	150.00
5230.000	1100.00	777.74	0.00	1.75	0.00	137.97	150.00
5230.000	1850.00	778.66	.93	1.52	0.00	192.67	150.00
5380.000	400.00	777.23	0.00	1.95	0.00	23.43	150.00
5380.000	900.00	779.22	0.00	1.87	0.00	29.63	150.00
5380.000	1100.00	779.73	0.00	1.99	0.00	31.20	150.00
5380.000	1850.00	780.85	1.12	2.18	0.00	42.48	150.00
5420.000	400.00	777.93	0.00	.70	0.00	24.36	40.00
5420.000	900.00	779.99	0.00	.76	0.00	30.77	40.00
5420.000	1100.00	780.58	0.00	.85	0.00	34.31	40.00
5420.000	1850.00	782.33	1.76	1.49	0.00	73.41	40.00
5450.000	400.00	778.34	0.00	.41	0.00	25.01	30.00
5450.000	900.00	780.45	0.00	.46	0.00	31.55	30.00
5450.000	1100.00	781.06	0.00	.48	0.00	37.55	30.00
5450.000	1850.00	782.89	1.83	.55	0.00	93.81	30.00
* 5463.000	400.00	778.14	0.00	-.20	0.00	13.66	13.00
* 5463.000	900.00	780.31	0.00	-.14	0.00	14.58	13.00
* 5463.000	1100.00	782.55	0.00	1.50	0.00	162.74	13.00
* 5463.000	1850.00	783.27	.71	.38	0.00	197.53	13.00
* 5496.000	400.00	778.64	0.00	.50	0.00	14.49	33.00
* 5496.000	900.00	783.21	0.00	2.90	0.00	226.42	33.00
5496.000	1100.00	784.04	0.00	1.49	0.00	248.84	33.00
* 5496.000	1850.00	784.83	.78	1.56	0.00	265.61	33.00
5506.000	400.00	779.73	0.00	1.09	0.00	73.48	10.00
5506.000	900.00	783.22	0.00	.01	0.00	232.05	10.00
5506.000	1100.00	784.05	0.00	.01	0.00	253.74	10.00
5506.000	1850.00	784.83	.78	.01	0.00	274.18	10.00
5525.000	400.00	779.81	0.00	.09	0.00	68.90	19.00
5525.000	900.00	783.21	0.00	-.00	0.00	226.96	19.00
5525.000	1100.00	784.05	0.00	-.00	0.00	248.61	19.00
5525.000	1850.00	784.82	.78	-.01	0.00	268.73	19.00
5575.000	400.00	780.19	0.00	.37	0.00	63.69	50.00
5575.000	900.00	783.26	0.00	.05	0.00	214.83	50.00
5575.000	1100.00	784.09	0.00	.04	0.00	236.29	50.00
5575.000	1850.00	784.90	.81	.07	0.00	257.39	50.00
5750.000	400.00	782.16	0.00	1.97	0.00	69.64	175.00
5750.000	900.00	783.64	0.00	.38	0.00	145.74	175.00
5750.000	1100.00	784.38	0.00	.29	0.00	163.68	175.00
5750.000	1850.00	785.36	.98	.47	0.00	187.76	175.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5850.000	400.00	783.86	0.00	1.70	0.00	77.47	100.00
5850.000	900.00	784.97	0.00	1.33	0.00	140.44	100.00
5850.000	1100.00	785.27	0.00	.89	0.00	148.84	100.00
5850.000	1850.00	786.30	1.03	.94	0.00	173.99	100.00
6200.000	400.00	789.00	0.00	5.14	0.00	58.87	350.00
6200.000	900.00	790.31	0.00	5.34	0.00	120.83	350.00
6200.000	1100.00	790.64	0.00	5.37	0.00	129.56	350.00
6200.000	1850.00	791.57	.93	5.27	0.00	152.95	350.00
6840.000	400.00	798.32	0.00	9.32	0.00	39.80	640.00
6840.000	900.00	799.70	0.00	9.40	0.00	88.66	640.00
6840.000	1100.00	800.09	0.00	9.45	0.00	93.98	640.00
6840.000	1850.00	801.34	1.25	9.77	0.00	111.11	640.00
8525.000	300.00	815.86	0.00	17.55	0.00	68.78	1685.00
8525.000	700.00	817.19	0.00	17.49	0.00	78.53	1685.00
8525.000	850.00	817.58	0.00	17.49	0.00	82.14	1685.00
8525.000	1300.00	818.55	.98	17.21	0.00	93.65	1685.00
* 8545.000	300.00	817.99	0.00	2.12	0.00	5.88	20.00
* 8545.000	700.00	819.13	0.00	1.94	0.00	53.60	20.00
* 8545.000	850.00	819.14	0.00	1.56	0.00	53.65	20.00
* 8545.000	1300.00	819.11	.03	.55	0.00	53.53	20.00
* 8777.000	300.00	824.47	0.00	6.48	0.00	184.18	232.00
8777.000	700.00	825.11	0.00	5.98	0.00	195.19	232.00
8777.000	850.00	825.37	0.00	6.23	0.00	199.65	232.00
8777.000	1300.00	825.91	.54	6.80	0.00	209.49	232.00
8785.000	300.00	824.47	0.00	.00	0.00	184.18	1.00
8785.000	700.00	825.11	0.00	0.00	0.00	195.19	1.00
8785.000	850.00	825.37	0.00	.00	0.00	199.65	1.00
8785.000	1300.00	825.91	.54	.00	0.00	209.47	1.00
8800.000	300.00	824.49	0.00	.02	0.00	252.78	15.00
8800.000	700.00	825.16	0.00	.05	0.00	263.43	15.00
8800.000	850.00	825.42	0.00	.05	0.00	267.72	15.00
8800.000	1300.00	825.98	.56	.07	0.00	284.31	15.00

SUMMARY OF ERRORS

CAUTION SECNO= 2060.000 PROFILE= 1 SLOPE TOO STEEP
CAUTION SECNO= 2060.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO= 2060.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO= 2060.000 PROFILE= 4 HYDRAULIC JUMP D.S.
NOTE SECNO= 2070.000 PROFILE= 1 WSEL BASED ON X5 CARD
CAUTION SECNO= 5463.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5463.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5463.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5463.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5463.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5463.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5463.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5463.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY-- 10 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W;FCRK DEEP RIVER,HIAIT BRANCH HURNEY BRANCH
 T3 FEB 1977 DLQ

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	.002000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSFCH	FN	ALLDC	TBW	CHNTH	ITRACE
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	5.000	630.000	1095.000	1365.000	2500.000	1365.000	0.000	0.000	0.000	0.000
X1	64.000	14.000	450.000	470.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	140.000	815.000	200.000	810.000	250.000	805.000	350.000
GR	800.000	450.000	796.800	452.000	796.800	468.000	800.000	470.000	805.000	550.000
GR	810.000	580.000	815.000	620.000	820.000	650.000	825.000	700.000	0.000	0.000
X1	114.000	19.000	1000.000	1012.000	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	801.800	801.800	0.000
GR	820.000	700.000	810.000	800.000	805.000	900.000	800.000	1000.000	799.300	1000.000
GR	797.400	1000.500	796.800	1002.500	797.400	1004.500	799.300	1005.000	799.300	1007.000
GR	797.400	1007.500	796.800	1009.500	797.400	1011.500	799.300	1012.000	800.000	1012.000
GR	805.000	1100.000	820.000	1200.000	830.000	1300.000	840.000	1400.000	0.000	0.000
SB	.900	1.500	2.500	0.000	7.880	0.000	39.400	0.000	0.000	0.000
X1	206.000	0.000	0.000	0.000	92.000	92.000	92.000	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	809.300	809.300	0.000
BT	19.000	700.000	820.000	0.000	800.000	811.400	0.000	900.000	810.200	0.000
BT	1000.000	809.300	0.000	1000.000	809.300	799.300	1000.500	809.300	801.200	1002.500
BT	809.300	801.800	1004.500	809.300	801.200	1005.000	809.300	799.300	1007.000	809.300
BT	799.300	1007.500	809.300	801.200	1009.500	809.300	801.800	1011.500	809.300	801.200
BT	1012.000	809.300	799.300	1012.000	809.300	0.000	1100.000	809.100	0.000	1200.000
BT	820.000	0.000	1300.000	830.000	0.000	1400.000	840.000	0.000	0.000	0.000
X1	256.000	14.000	450.000	470.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	140.000	815.000	200.000	810.000	250.000	805.000	350.000
GR	800.000	450.000	796.800	452.000	796.800	468.000	800.000	470.000	805.000	550.000
GR	810.000	580.000	815.000	620.000	820.000	650.000	825.000	700.000	0.000	0.000
X1	460.000	13.000	964.000	1000.000	204.000	204.000	204.000	0.000	0.000	0.000
GR	819.800	700.000	817.700	740.000	809.700	800.000	802.800	900.000	802.000	960.000
GR	803.600	964.000	800.600	984.000	809.400	1000.000	809.500	1036.000	808.000	1046.000
GR	809.400	1055.000	811.100	1088.000	827.500	1200.000	0.000	0.000	0.000	0.000

X1	711,000	0,000	0,000	0,000	251,000	251,000	251,000	1,000	1,600	0,000
QT	5,000	620,000	1005,000	1270,000	2250,000	1270,000	0,000	0,000	0,000	0,000
X1	837,000	16,000	1000,000	1019,000	126,000	126,000	126,000	1,000	-4,600	0,000
GR	833,400	750,000	830,500	800,000	819,700	900,000	813,000	985,000	810,500	1000,000
GR	807,200	1007,000	807,100	1013,000	809,500	1019,000	812,100	1029,000	812,700	1055,000
GR	810,700	1061,000	812,700	1065,000	812,800	1100,000	814,400	1129,000	829,000	1200,000
GR	837,900	1300,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	1063,000	0,000	0,000	0,000	226,000	226,000	226,000	1,000	1,200	0,000
X1	1592,000	0,000	0,000	0,000	529,000	529,000	529,000	1,000	3,100	0,000
NC	.120	.120	.015	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	1742,000	31,000	1003,000	1017,000	150,000	150,000	150,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	813,600	813,600	0,000
GR	830,500	800,000	819,700	900,000	810,500	1000,000	810,600	1003,000	810,600	1003,000
GR	809,700	1003,100	809,200	1003,500	808,900	1004,000	808,700	1005,000	808,600	1006,000
GR	808,700	1007,000	808,900	1006,000	809,200	1003,500	809,700	1008,900	810,600	1009,000
GR	810,600	1011,000	809,700	1011,100	809,200	1011,500	808,900	1012,000	808,700	1013,000
GR	808,600	1014,000	808,700	1015,000	808,900	1016,000	809,200	1016,500	809,700	1016,900
GR	810,600	1017,000	810,600	1017,000	812,100	1035,000	812,800	1100,000	829,000	1200,000
GR	837,900	1300,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
SE	.900	1.500	2.500	0,000	9.580	0,000	47.900	0,000	0,000	0,000
X1	1778,000	0,000	0,000	0,000	36,000	36,000	36,000	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	814,400	814,400	0,000
BT	31,000	000,000	831,200	0,000	900,000	821,300	0,000	1000,000	815,400	0,000
BT	1003,000	815,400	0,000	1003,000	815,400	810,600	1003,100	815,400	811,500	1003,500
BT	815,400	812,300	1004,000	815,400	812,800	1005,000	815,400	813,400	1006,000	815,400
BT	813,600	1007,000	815,400	813,400	1008,000	815,400	812,800	1008,500	815,400	812,300
BT	1008,900	815,400	811,500	1009,000	815,400	810,600	1011,000	815,400	810,600	1011,100
BT	815,400	811,500	1011,500	815,400	812,300	1012,000	815,400	812,800	1013,000	815,400
BT	813,400	1014,000	815,400	813,600	1015,000	815,400	813,400	1016,000	815,400	812,800
BT	1016,500	815,400	812,300	1016,900	815,400	811,500	1017,000	815,400	810,600	1017,000
BT	815,400	0,000	1035,000	814,300	0,000	1100,000	814,400	0,000	1200,000	829,000
BT	0,000	1300,000	837,900	0,000	0,000	0,000	0,000	0,000	0,000	0,000
NC	.120	.120	.060	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	1828,000	10,000	1000,000	1028,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	833,400	750,000	830,500	800,000	819,700	900,000	814,800	1000,000	809,300	1010,000
GR	809,300	1022,000	813,900	1020,000	814,400	1129,000	829,000	1200,000	837,900	1300,000
X1	2448,000	0,000	0,000	0,000	620,000	620,000	620,000	1,000	5,600	0,000
QT	5,000	450,000	830,000	1050,000	1950,000	1050,000	0,000	0,000	0,000	0,000
X1	2758,000	0,000	0,000	0,000	310,000	310,000	310,000	1,000	2,800	0,000
X1	3068,000	9,000	1000,000	1035,000	310,000	310,000	310,000	1,000	-5,700	0,000
GR	852,600	800,000	836,600	900,000	830,700	1000,000	826,200	1002,000	826,300	1010,000
GR	827,900	1014,000	832,700	1035,000	833,400	1100,000	844,800	1200,000	0,000	0,000
X1	3689,000	0,000	0,000	0,000	621,000	621,000	621,000	1,000	5,700	0,000

X1	3739,000	10,000	1000,000	1006,000	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	834,100	834,100	0,000
GR	856,500	715,000	850,000	800,000	36,600	900,000	830,700	1000,000	826,200	1000,000
GR	826,200	1006,000	827,900	1006,000	832,700	1035,000	833,400	1100,000	844,800	1200,000
SB	.900	1,500	2,500	0,000	6,000	0,000	47,400	0,000	0,000	0,000

X1	3781,000	0,000	0,000	0,000	42,000	42,000	42,000	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	838,500	838,500	0,000
BT	10,000	715,000	856,500	0,000	800,000	850,000	0,000	900,000	842,800	0,000
BT	1000,000	838,500	0,000	1000,000	838,500	834,100	1006,000	838,500	834,100	1006,000
BT	838,500	0,000	1035,000	838,700	0,000	1100,000	839,600	0,000	1200,000	845,400
BT	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	3831,000	8,000	1000,000	1037,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	852,600	800,000	836,600	900,000	833,100	1000,000	827,900	1006,000	828,100	1015,000
GR	833,400	1037,000	833,400	1100,000	844,800	1200,000	0,000	0,000	0,000	0,000
EJ	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

UNITED STATES GOVERNMENT
 PRINTING OFFICE: 1967 O 341-101

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY-- 50 YR FLOOD
 T2 FIA STUDY=DEEP RIVER,W,FORK DEEP RIVER,HIATT BRANCH,HORNEY BRANCH
 T3 FEB 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	*10.	3.	0.	0.	.002000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLT	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= .200 CEHV= .400

*SECNO 64.000

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	LOSS	BANK	ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
64.00	8.24	805.04	0.00	0.00	805.18	.14	0.00	0.00	800.00	
1095.	261.	625.	209.	254.	158.	203.	0.	0.	800.00	
0.00	1.03	3.94	1.03	.120	.060	.120	0.000	796.80	349.21	
.001996	0.	0.	0.	0	0	6	0.00	201.03	550.24	

*SFCNO 114.000

114.00	8.41	805.21	0.00	0.00	805.32	.11	.13	.01	800.00	
1095.	387.	368.	340.	272.	90.	239.	1.	0.	800.00	
.01	1.42	4.06	1.42	.120	.060	.120	.059	796.80	895.70	
.003502	50.	50.	50.	2	0	0	0.00	205.73	1101.43	

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RPLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	7.88	0.00	39.40	0.00	796.80	796.80

*SFCNO 206.000

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID	ELLC	ELTRD
						AREA		
823.21	807.49	0.00	514.	591.	39.	39.	801.80	809.10

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER,HIATT BRANCH,HORNEY BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	4.	0.	0.	.002000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400
 *SECNO 64.000

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOR	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
64.00	8.84	805.64	0.00	0.00	805.78	.14	0.00	0.00	800.00
1365.	370.	699.	295.	318.	170.	252.	0.	0.	800.00
0.00	1.16	4.10	1.17	.120	.060	.120	0.000	796.80	337.20
.001967	0.	0.	0.	0	0	5	0.00	216.64	553.84

*SECNO 114.000

114.00	9.02	805.82	0.00	0.00	805.92	.10	.12	.01	800.00
1365.	516.	397.	452.	338.	98.	294.	1.	0.	800.00
.01	1.52	4.06	1.54	.120	.060	.120	.059	796.80	883.68
.003164	50.	50.	50.	2	0	0	0.00	221.75	1105.44

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOK	COFQ	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	7.88	0.00	39.40	0.00	796.80	796.80

*SECNO 206.000
 PRESSURE AND REIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
833.77	808.85	0.00	795.	575.	39.	39.	801.80	809.10

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY--500 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,HIATT BRANCH,HORNEY BRANCH
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	.002000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPL0T	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	0.000

*PROF 4

CCHV= .200 CEHV= .400
 *SECNO 64,000
 2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
 08.44

6000 TROUBLE, PLEASE STANDBY 08.44

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
64.00	10.75	807.55	0.00	0.00	807.70	.16	0.00	0.00	800.00
2500.	856.	980.	664.	569.	209.	423.	0.	0.	800.00
0.00	1.50	4.70	1.57	.120	.060	.120	0.000	796.80	299.08
.001966	0.	0.	0.	0	0	4	0.00	266.20	565.28

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
114.00	10.93	807.73	0.00	0.00	807.83	.10	.11	.01	800.00
2500.	1070.	521.	909.	597.	121.	485.	1.	0.	800.00
.01	1.79	4.32	1.88	.120	.060	.120	.059	796.80	845.47
.002696	50.	50.	50.	2	0	0	0.00	272.71	1118.18

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.50	2.50	0.00	7.88	0.00	39.40	0.00	796.80	796.80

*SECNO 206,000
 PRESSURE AND WEIR FLOW

EGPRS EGLWC H3 QWEIR OPR BAREA TRAPEZOID ELLC ELTRD

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLQ
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
64.000	0.00	0.00	0.00	796.80	630.00	803.57	0.00	803.70	19.96	3.44	358.
64.000	0.00	0.00	0.00	796.80	1095.00	805.04	0.00	805.18	19.96	3.94	615.
64.000	0.00	0.00	0.00	796.80	1365.00	805.64	0.00	805.78	19.62	4.10	740.
64.000	0.00	0.00	0.00	796.80	2500.00	807.55	0.00	807.70	19.66	4.70	1201.
114.000	50.00	0.00	0.00	796.80	630.00	803.71	0.00	803.85	47.50	4.08	331.
114.000	50.00	0.00	0.00	796.80	1095.00	805.21	0.00	805.32	35.02	4.06	601.
114.000	50.00	0.00	0.00	796.80	1365.00	805.82	0.00	805.92	31.64	4.06	729.
114.000	50.00	0.00	0.00	796.80	2500.00	807.73	0.00	807.83	26.96	4.32	1202.
206.000	92.00	809.10	801.80	796.80	630.00	809.38	0.00	809.38	.68	.76	1691.
206.000	92.00	809.10	801.80	796.80	1095.00	810.45	0.00	810.45	1.23	1.08	2044.
206.000	92.00	809.10	801.80	796.80	1365.00	810.77	0.00	810.77	1.66	1.28	2154.
206.000	92.00	809.10	801.80	796.80	2500.00	811.71	0.00	811.73	3.73	2.01	2484.
256.000	50.00	0.00	0.00	796.80	630.00	809.38	0.00	809.39	.49	.83	1734.
256.000	50.00	0.00	0.00	796.80	1095.00	810.45	0.00	810.46	.93	1.20	2083.
256.000	50.00	0.00	0.00	796.80	1365.00	810.77	0.00	810.78	1.26	1.42	2192.
256.000	50.00	0.00	0.00	796.80	2500.00	811.72	0.00	811.75	2.89	2.26	2526.
460.000	204.00	0.00	0.00	800.60	630.00	809.40	0.00	809.41	1.89	1.08	990.
460.000	204.00	0.00	0.00	800.60	1095.00	810.48	0.00	810.50	3.05	1.53	1276.
460.000	204.00	0.00	0.00	800.60	1365.00	810.80	0.00	810.83	3.97	1.79	1369.
460.000	204.00	0.00	0.00	800.60	2500.00	811.79	0.00	811.85	8.03	2.77	1665.
711.000	251.00	0.00	0.00	802.20	630.00	809.46	0.00	809.48	4.79	1.50	697.
711.000	251.00	0.00	0.00	802.20	1095.00	810.58	0.00	810.61	7.22	2.04	904.
711.000	251.00	0.00	0.00	802.20	1365.00	810.94	0.00	810.98	9.17	2.36	978.
711.000	251.00	0.00	0.00	802.20	2500.00	812.05	0.00	812.14	16.16	3.50	1268.
837.000	126.00	0.00	0.00	802.50	620.00	809.49	0.00	809.65	23.65	3.80	321.
837.000	126.00	0.00	0.00	802.50	1005.00	810.65	0.00	810.81	23.09	4.22	511.
837.000	126.00	0.00	0.00	802.50	1270.00	811.03	0.00	811.23	27.63	4.78	578.
837.000	126.00	0.00	0.00	802.50	2250.00	812.21	0.00	812.52	38.53	6.23	808.
1063.000	226.00	0.00	0.00	803.70	620.00	810.12	0.00	810.39	41.25	4.69	238.
1063.000	226.00	0.00	0.00	803.70	1005.00	811.25	0.00	811.51	37.94	5.11	408.
1063.000	226.00	0.00	0.00	803.70	1270.00	811.72	0.00	812.01	40.63	5.54	489.
1063.000	226.00	0.00	0.00	803.70	2250.00	813.13	0.00	813.49	45.91	6.65	752.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
1592.000	529.00	0.00	0.00	806.80	620.00	812.76	0.00	813.17	66.01	5.59	179.
1592.000	529.00	0.00	0.00	806.80	1005.00	813.73	0.00	814.18	65.85	6.30	311.
1592.000	529.00	0.00	0.00	806.80	1270.00	814.29	0.00	814.73	63.72	6.58	399.
1592.000	529.00	0.00	0.00	806.80	2250.00	815.84	0.00	816.29	59.94	7.36	675.
* 1742.000	150.00	0.00	0.00	808.60	620.00	813.64	813.64	814.47	13.32	8.07	246.
* 1742.000	150.00	0.00	0.00	808.60	1005.00	814.18	814.18	815.63	21.35	11.02	323.
* 1742.000	150.00	0.00	0.00	808.60	1270.00	814.72	814.72	816.33	21.80	11.92	406.
* 1742.000	150.00	0.00	0.00	808.60	2250.00	816.29	816.29	818.40	23.10	14.49	676.
1778.000	36.00	814.30	813.60	808.60	620.00	815.11	0.00	815.41	3.85	5.24	470.
1778.000	36.00	814.30	813.60	808.60	1005.00	815.64	0.00	816.23	7.02	7.48	558.
1778.000	36.00	814.30	813.60	808.60	1270.00	815.85	0.00	816.69	9.71	9.00	596.
1778.000	36.00	814.30	813.60	808.60	2250.00	816.40	0.00	818.40	20.65	13.94	710.
1828.000	50.00	0.00	0.00	809.30	620.00	815.24	0.00	815.47	44.11	4.17	239.
1828.000	50.00	0.00	0.00	809.30	1005.00	816.08	0.00	816.36	48.37	4.90	367.
1828.000	50.00	0.00	0.00	809.30	1270.00	816.60	0.00	816.89	48.54	5.22	453.
1828.000	50.00	0.00	0.00	809.30	2250.00	818.62	0.00	818.86	33.53	5.29	861.
2448.000	620.00	0.00	0.00	814.90	620.00	819.66	818.57	820.36	159.46	6.70	94.
2448.000	620.00	0.00	0.00	814.90	1005.00	820.64	820.36	821.38	146.41	7.37	210.
2448.000	620.00	0.00	0.00	814.90	1270.00	821.09	0.00	821.85	140.43	7.72	275.
2448.000	620.00	0.00	0.00	814.90	2250.00	822.11	821.93	823.09	162.61	9.46	440.
2758.000	310.00	0.00	0.00	817.70	450.00	822.98	0.00	823.22	49.39	4.01	150.
2758.000	310.00	0.00	0.00	817.70	830.00	823.95	0.00	824.25	56.31	4.93	284.
2758.000	310.00	0.00	0.00	817.70	1050.00	824.38	0.00	824.71	58.01	5.30	351.
2758.000	310.00	0.00	0.00	817.70	1950.00	825.78	0.00	826.17	59.41	6.29	601.
3068.000	310.00	0.00	0.00	820.50	450.00	825.27	0.00	825.76	143.91	5.58	81.
3068.000	310.00	0.00	0.00	820.50	830.00	826.48	0.00	827.19	164.11	6.88	135.
3068.000	310.00	0.00	0.00	820.50	1050.00	826.98	0.00	827.80	173.62	7.44	167.
3068.000	310.00	0.00	0.00	820.50	1950.00	828.30	828.03	829.39	174.12	9.07	337.
3689.000	621.00	0.00	0.00	826.20	450.00	831.71	0.00	832.00	73.45	4.36	110.
3689.000	621.00	0.00	0.00	826.20	830.00	833.17	0.00	833.54	68.47	5.06	213.
3689.000	621.00	0.00	0.00	826.20	1050.00	833.72	0.00	834.11	65.27	5.35	293.
3689.000	621.00	0.00	0.00	826.20	1950.00	835.21	0.00	835.67	64.06	6.33	550.
* 3739.000	50.00	0.00	0.00	826.20	450.00	831.79	831.79	834.59	855.91	13.43	33.
* 3739.000	50.00	0.00	0.00	826.20	830.00	834.25	834.25	834.43	75.52	5.39	350.
3739.000	50.00	0.00	0.00	826.20	1050.00	834.28	0.00	834.56	116.65	6.71	356.
3739.000	50.00	0.00	0.00	826.20	1950.00	835.87	0.00	836.10	90.29	6.66	657.
3781.000	42.00	838.50	834.10	826.20	450.00	836.43	0.00	837.83	590.51	9.49	47.
3781.000	42.00	838.50	834.10	826.20	830.00	839.46	0.00	839.46	1.54	1.07	1535.
3781.000	42.00	838.50	834.10	826.20	1050.00	839.95	0.00	839.96	1.93	1.23	1673.
3781.000	42.00	838.50	834.10	826.20	1950.00	841.29	0.00	841.31	3.66	1.80	2066.
3831.000	50.00	0.00	0.00	827.90	450.00	838.11	0.00	838.12	.81	.86	1025.
3831.000	50.00	0.00	0.00	827.90	830.00	839.46	0.00	839.47	1.30	1.20	1377.
3831.000	50.00	0.00	0.00	827.90	1050.00	839.95	0.00	839.97	1.62	1.39	1513.
3831.000	50.00	0.00	0.00	827.90	1950.00	841.30	0.00	841.33	3.06	2.38	1900.

FEB 1977

DLQ

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	YLCH
64.000	630.00	803.57	0.00	0.00	0.00	148.50	0.00
64.000	1095.00	805.04	0.00	0.00	0.00	201.03	0.00
64.000	1365.00	805.64	0.00	0.00	0.00	216.64	0.00
64.000	2500.00	807.55	1.91	0.00	0.00	266.20	0.00
114.000	630.00	803.71	0.00	.15	0.00	151.68	50.00
114.000	1095.00	805.21	0.00	.18	0.00	205.73	50.00
114.000	1365.00	805.82	0.00	.18	0.00	221.75	50.00
114.000	2500.00	807.73	1.91	.18	0.00	272.71	50.00
206.000	630.00	809.38	0.00	5.67	0.00	316.93	92.00
206.000	1095.00	810.45	0.00	5.23	0.00	340.90	92.00
206.000	1365.00	810.77	0.00	4.95	0.00	346.23	92.00
206.000	2500.00	811.71	.94	3.98	0.00	361.78	92.00
256.000	630.00	809.38	0.00	.00	0.00	313.99	50.00
256.000	1095.00	810.45	0.00	.00	0.00	338.13	50.00
256.000	1365.00	810.77	0.00	.01	0.00	343.87	50.00
256.000	2500.00	811.72	.95	.01	0.00	360.92	50.00
460.000	630.00	809.40	0.00	.01	0.00	213.87	204.00
460.000	1095.00	810.48	0.00	.03	0.00	281.65	204.00
460.000	1365.00	810.80	0.00	.03	0.00	290.43	204.00
460.000	2500.00	811.79	.99	.08	0.00	308.32	204.00
711.000	630.00	809.46	0.00	.07	0.00	170.61	251.00
711.000	1095.00	810.58	0.00	.10	0.00	201.66	251.00
711.000	1365.00	810.94	0.00	.13	0.00	212.16	251.00
711.000	2500.00	812.05	1.11	.25	0.00	280.94	251.00
837.000	620.00	809.49	0.00	.03	0.00	152.54	126.00
837.000	1005.00	810.65	0.00	.07	0.00	176.60	126.00
837.000	1270.00	811.03	0.00	.09	0.00	183.18	126.00
837.000	2250.00	812.21	1.19	.17	0.00	204.00	126.00
1063.000	620.00	810.12	0.00	.53	0.00	134.76	226.00
1063.000	1005.00	811.25	0.00	.60	0.00	166.12	226.00
1063.000	1270.00	811.72	0.00	.70	0.00	174.47	226.00
1063.000	2250.00	813.13	1.41	.92	0.00	199.19	226.00
1592.000	620.00	812.76	0.00	2.64	0.00	120.47	529.00
1592.000	1005.00	813.73	0.00	2.49	0.00	150.63	529.00
1592.000	1270.00	814.29	0.00	2.57	0.00	165.11	529.00
1592.000	2250.00	815.84	1.55	2.70	0.00	192.21	529.00
* 1742.000	620.00	813.64	0.00	.38	0.00	139.37	150.00
* 1742.000	1005.00	814.18	0.00	.45	0.00	148.52	150.00
* 1742.000	1270.00	814.72	0.00	.43	0.00	157.73	150.00
* 1742.000	2250.00	816.29	1.57	.46	0.00	184.55	150.00
1778.000	620.00	815.11	0.00	1.47	0.00	164.42	36.00
1778.000	1005.00	815.64	0.00	1.46	0.00	173.34	36.00
1778.000	1270.00	815.85	0.00	1.13	0.00	177.04	36.00
1778.000	2250.00	816.48	.63	.18	0.00	187.74	36.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1828.000	620.00	815.24	0.00	.13	0.00	142.16	50.00
1828.000	1005.00	816.08	0.00	.45	0.00	163.36	50.00
1828.000	1270.00	816.60	0.00	.75	0.00	176.11	50.00
1828.000	2250.00	818.62	2.02	2.14	0.00	227.27	50.00
2448.000	620.00	819.66	0.00	4.42	0.00	58.14	620.00
2448.000	1005.00	820.64	0.00	4.56	0.00	136.99	620.00
2448.000	1270.00	821.09	0.00	4.50	0.00	148.52	620.00
2448.000	2250.00	822.11	1.02	3.50	0.00	174.25	620.00
2758.000	450.00	822.98	0.00	3.32	0.00	129.51	310.00
2758.000	830.00	823.95	0.00	3.31	0.00	150.01	310.00
2758.000	1050.00	824.38	0.00	3.29	0.00	160.91	310.00
2758.000	1950.00	825.78	1.40	3.67	0.00	196.29	310.00
3068.000	450.00	825.27	0.00	2.29	0.00	31.96	310.00
3068.000	830.00	826.48	0.00	2.53	0.00	57.92	310.00
3068.000	1050.00	826.98	0.00	2.60	0.00	68.50	310.00
3068.000	1950.00	828.30	1.32	2.52	0.00	161.47	310.00
3689.000	450.00	831.71	0.00	6.44	0.00	47.60	621.00
3689.000	830.00	833.17	0.00	6.69	0.00	121.06	621.00
3689.000	1050.00	833.72	0.00	6.74	0.00	154.25	621.00
3689.000	1950.00	835.21	1.49	6.91	0.00	192.45	621.00
* 3739.000	450.00	831.79	0.00	.08	0.00	6.00	50.00
* 3739.000	830.00	834.25	0.00	1.07	0.00	167.60	50.00
3739.000	1050.00	834.78	0.00	.5	0.00	168.45	50.00
3739.000	1950.00	835.87	1.59	.66	0.00	209.42	50.00
3781.000	450.00	836.43	0.00	4.64	0.00	6.00	42.00
3781.000	830.00	839.46	0.00	5.21	0.00	274.54	42.00
3781.000	1050.00	839.95	0.00	5.67	0.00	282.59	42.00
3781.000	1950.00	841.29	1.34	5.42	0.00	304.35	42.00
3831.000	450.00	838.11	0.00	1.69	0.00	250.76	50.00
3831.000	830.00	839.46	0.00	.00	0.00	271.02	50.00
3831.000	1050.00	839.95	0.00	.00	0.00	278.46	50.00
3831.000	1950.00	841.30	1.34	.01	0.00	298.62	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 1742.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1742.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1742.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1742.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1742.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1742.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1742.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1742.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1742.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3739.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3739.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

STREAM #6, 10, 50, 100 & 500 YR PROFILE

SUMMARY PRINTOUT

APR 1977

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SECNO	XLOH	ELTRD	ELLF	ELMIN	Q	CWSL	CRWS	EG	10K*5	VCH	AREA
7650.00	0.00	0.00	0.00	794.00	1290.00	798.05	0.00	798.26	49.92	4.31	534.3
7650.00	0.00	0.00	0.00	794.00	1020.00	798.94	0.00	799.19	49.59	4.93	796.1
7650.00	0.00	0.00	0.00	794.00	1450.00	799.36	0.00	799.63	49.82	5.23	940.0
7650.00	0.00	0.00	0.00	794.00	1400.00	800.77	0.00	801.10	49.76	6.13	1496.5
7700.00	50.00	0.00	0.00	794.00	1290.00	798.32	0.00	798.49	37.72	3.91	655.1
7700.00	50.00	0.00	0.00	794.00	1020.00	799.21	0.00	799.41	38.61	4.21	857.9
7700.00	50.00	0.00	0.00	794.00	1450.00	799.64	0.00	799.85	39.32	4.41	1041.4
7700.00	50.00	0.00	0.00	794.00	1400.00	801.06	0.00	801.33	40.23	5.07	1615.5
7800.00	100.00	0.00	0.00	794.00	1290.00	798.68	0.00	798.81	25.83	3.43	715.0
7800.00	100.00	0.00	0.00	794.00	1020.00	799.59	0.00	799.75	27.71	4.01	1025.3
7800.00	100.00	0.00	0.00	794.00	1450.00	800.05	0.00	800.20	28.47	4.29	1194.9
7800.00	100.00	0.00	0.00	794.00	1400.00	801.45	0.00	801.69	30.16	5.11	1790.3
8500.00	700.00	0.00	0.00	798.00	970.00	801.20	0.00	801.42	60.67	4.22	331.0
8500.00	700.00	0.00	0.00	798.00	1600.00	802.15	0.00	802.43	60.21	4.63	506.2
8500.00	700.00	0.00	0.00	798.00	2000.00	802.64	0.00	802.95	59.92	5.20	598.3
8500.00	700.00	0.00	0.00	798.00	2600.00	803.16	0.00	804.59	61.15	6.35	922.5
8940.00	440.00	0.00	0.00	800.70	590.00	804.03	0.00	804.26	61.01	3.95	132.1
8940.00	440.00	0.00	0.00	800.70	1030.00	804.93	0.00	805.26	69.75	4.92	272.4
8940.00	440.00	0.00	0.00	800.70	1320.00	805.43	0.00	805.82	72.48	5.37	350.5
8940.00	440.00	0.00	0.00	800.70	1450.00	807.03	0.00	807.57	76.15	6.56	513.1
9755.00	865.00	0.00	0.00	802.10	590.00	807.67	0.00	807.84	29.66	3.40	175.7
9755.00	865.00	0.00	0.00	802.10	1030.00	809.15	0.00	809.41	34.54	4.30	250.2
9755.00	865.00	0.00	0.00	802.10	1320.00	809.65	0.00	810.22	37.60	4.76	305.0
9755.00	865.00	0.00	0.00	802.10	1450.00	811.82	0.00	812.25	40.10	5.69	399.7
9805.00	50.00	0.00	0.00	798.90	590.00	807.95	0.00	808.06	4.15	3.24	262.0
9805.00	50.00	0.00	0.00	798.90	1030.00	809.53	0.00	809.69	71.29	3.84	363.3
9805.00	50.00	0.00	0.00	798.90	1320.00	810.34	0.00	810.52	79.07	4.09	407.4
9805.00	50.00	0.00	0.00	798.90	1450.00	812.43	0.00	812.54	53.44	3.68	1092.6
9875.00	70.00	810.30	803.90	798.90	590.00	810.78	0.00	810.81	12.23	1.57	524.3
9875.00	70.00	810.30	803.90	798.90	1030.00	811.42	0.00	811.16	22.06	2.21	726.2
9875.00	70.00	810.30	803.90	798.90	1320.00	811.72	0.00	811.78	27.99	2.54	836.7
9875.00	70.00	810.30	803.90	798.90	1450.00	812.79	0.00	812.67	40.02	3.25	1254.0
9925.00	50.00	0.00	0.00	802.30	590.00	810.80	0.00	810.90	12.85	2.52	305.1
9925.00	50.00	0.00	0.00	802.30	1030.00	811.45	0.00	811.62	21.67	3.51	495.2
9925.00	50.00	0.00	0.00	802.30	1320.00	811.77	0.00	811.90	26.62	4.14	601.5
9925.00	50.00	0.00	0.00	802.30	1450.00	812.85	0.00	813.14	35.37	5.28	1077.9
10340.00	415.00	0.00	0.00	803.10	300.00	811.23	0.00	811.26	2.05	1.78	404.7
10340.00	415.00	0.00	0.00	803.10	800.00	812.19	0.00	812.27	10.31	2.00	553.9
10340.00	415.00	0.00	0.00	803.10	1000.00	812.65	0.00	812.74	11.49	3.87	676.7
10340.00	415.00	0.00	0.00	803.10	1600.00	814.02	0.00	814.15	14.90	3.91	1006.3
11125.00	785.00	0.00	0.00	807.50	300.00	812.16	0.00	812.34	82.00	4.01	173.5
11125.00	785.00	0.00	0.00	807.50	800.00	813.71	0.00	813.63	50.49	4.34	410.2
11125.00	785.00	0.00	0.00	807.50	1000.00	814.22	0.00	814.34	44.41	4.35	517.2
11125.00	785.00	0.00	0.00	807.50	1600.00	815.76	0.00	815.87	35.10	3.57	913.7

SECNO	XLCH	ELTRD	ELLC	EIMIN	O	CWSEL	CRIWS	EG	10K+S	VCH	AREA
11910.00	785.00	0.00	0.00	811.90	380.00	817.02	0.00	817.12	46.66	3.66	227.7
11910.00	785.00	0.00	0.00	811.90	800.00	817.98	0.00	818.12	59.10	4.61	385.0
11910.00	785.00	0.00	0.00	811.90	1000.00	818.31	0.00	818.46	62.68	4.97	450.1
11910.00	785.00	0.00	0.00	811.90	1800.00	819.41	0.00	819.60	66.57	5.84	706.0
12700.00	790.00	0.00	0.00	816.40	380.00	821.26	0.00	821.40	63.21	4.14	196.9
12700.00	790.00	0.00	0.00	816.40	800.00	822.52	0.00	822.66	55.85	4.51	393.9
12700.00	790.00	0.00	0.00	816.40	1000.00	822.94	0.00	823.07	54.41	4.70	476.5
12700.00	790.00	0.00	0.00	816.40	1800.00	824.16	0.00	824.31	53.52	5.37	770.6

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SUMMARY PRINTOUT

APR 1977

DLO

SFCNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
7650.00	1290.00	798.05	0.00	.-1	0.00	265.62	0.00
7650.00	2020.00	798.94	.88	4.24	0.00	326.61	0.00
7650.00	2450.00	799.36	.42	4.55	0.00	355.72	0.00
7650.00	4400.00	800.77	1.41	4.63	0.00	412.37	0.00
7700.00	1290.00	798.32	0.00	.27	0.00	283.41	50.00
7700.00	2020.00	799.21	.89	.27	0.00	345.47	50.00
7700.00	2450.00	799.64	.43	.28	0.00	374.88	50.00
7700.00	4400.00	801.06	1.42	.29	0.00	416.96	50.00
7800.00	1290.00	798.68	0.00	.36	0.00	309.02	100.00
7800.00	2020.00	799.59	.91	.38	0.00	371.91	100.00
7800.00	2450.00	800.03	.44	.40	0.00	400.50	100.00
7800.00	4400.00	801.48	1.44	.42	0.00	425.62	100.00
8500.00	970.00	801.20	0.00	2.52	0.00	166.14	700.00
8500.00	1600.00	802.16	.96	2.57	0.00	187.47	700.00
8500.00	2000.00	802.64	.48	2.61	0.00	198.09	700.00
8500.00	3600.00	804.16	1.52	2.68	0.00	231.48	700.00
8940.00	590.00	804.03	0.00	2.83	0.00	95.53	440.00
8940.00	1030.00	804.93	.90	2.77	0.00	105.42	440.00
8940.00	1320.00	805.43	.50	2.72	0.00	110.96	440.00
8940.00	2450.00	807.03	1.60	2.87	0.00	128.54	440.00
9755.00	590.00	807.67	0.00	3.63	0.00	47.33	865.00
9755.00	1030.00	809.13	1.47	4.20	0.00	62.18	865.00
9755.00	1320.00	809.88	.75	4.44	0.00	69.74	865.00
9755.00	2450.00	811.62	1.94	4.72	0.00	355.08	865.00
9805.00	590.00	807.95	0.00	.28	0.00	58.26	50.00
9805.00	1030.00	809.53	1.58	.40	0.00	69.92	50.00
9805.00	1320.00	810.34	.81	.46	0.00	190.72	50.00
9805.00	2450.00	812.43	2.09	.60	0.00	386.67	50.00
9875.00	590.00	810.78	0.00	2.84	0.00	303.09	70.00
9875.00	1030.00	811.42	.63	1.89	0.00	335.37	70.00
9875.00	1320.00	811.72	.30	1.38	0.00	350.75	70.00
9875.00	2450.00	812.79	1.07	.35	0.00	402.65	70.00
9925.00	590.00	810.80	0.00	.02	0.00	253.43	50.00
9925.00	1030.00	811.45	.65	.03	0.00	321.30	50.00
9925.00	1320.00	811.75	.31	.04	0.00	340.00	50.00
9925.00	2450.00	812.85	1.09	.06	0.00	402.24	50.00
10340.00	380.00	811.23	0.00	.43	0.00	173.50	415.00
10340.00	800.00	812.19	.97	.75	0.00	196.90	415.00
10340.00	1000.00	812.65	.46	.89	0.00	212.16	415.00
10340.00	1800.00	814.02	1.37	1.17	0.00	268.40	415.00
11125.00	380.00	812.16	0.00	.94	0.00	111.42	785.00
11125.00	800.00	813.71	1.54	1.51	0.00	194.55	785.00
11125.00	1000.00	814.22	.52	1.57	0.00	219.79	785.00
11125.00	1800.00	815.76	1.54	1.74	0.00	295.09	785.00

PRINTED AT THE UNIVERSITY OF MICHIGAN LIBRARY SERVICES DEPARTMENT
 ANN ARBOR, MICHIGAN 48106-1000

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
11910,00	380,00	817,02	0,00	4,85	0,00	135,18	785,00
11910,00	800,00	817,98	,96	4,27	0,00	188,11	785,00
11910,00	1000,00	818,31	,33	4,09	0,00	204,31	785,00
11910,00	1800,00	819,41	1,10	3,65	0,00	258,39	785,00
12700,00	380,00	821,26	0,00	4,24	0,00	122,23	790,00
12700,00	800,00	822,52	1,26	4,55	0,00	190,40	790,00
12700,00	1000,00	822,94	,42	4,63	0,00	210,55	790,00
12700,00	1800,00	824,16	1,22	4,74	0,00	270,34	790,00

T1 GUILFORD COUNTY FIA STUDY-- 10 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK,DEEP RIVER,HIATT BRANCH
 T3 APR 1977 OLD

J1	ICHECK	IND	NINV	IOIR	STRT	METRIC	HVINS	0	WSFL	FO
	-1.	2.	0.	0.	.005000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	5.000	1200.000	2020.000	2450.000	4400.000	2450.000	0.000	0.000	0.000	0.000
X1	2650.000	15.000	315.000	370.000	0.000	0.000	0.500	0.000	0.000	0.000
GR	825.000	0.000	820.000	50.000	815.000	100.000	810.000	150.000	805.000	190.000
GR	800.000	220.000	795.000	315.000	794.000	325.000	794.000	360.000	795.000	370.000
GR	800.000	620.000	805.000	670.000	810.000	720.000	815.000	770.000	825.000	880.000
X1	7700.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
X1	7800.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
OT	5.000	970.000	1600.000	2000.000	3600.000	2000.000	0.000	0.000	0.000	0.000
Y1	8500.000	16.000	520.000	580.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	825.000	0.000	820.000	90.000	815.000	170.000	810.000	270.000	805.000	390.000
GR	800.000	470.000	799.000	520.000	798.000	530.000	798.000	570.000	799.000	580.000
GR	800.000	610.000	805.000	640.000	810.000	660.000	815.000	690.000	820.000	710.000
GR	825.000	770.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	5.000	590.000	1030.000	1320.000	2450.000	1320.000	0.000	0.000	0.000	0.000
X1	8940.000	12.000	1000.000	1055.000	440.000	440.000	440.000	0.000	0.000	0.000
GR	830.000	300.000	820.000	500.000	810.000	700.000	809.900	800.000	809.300	900.000
GR	800.200	1000.000	800.700	1015.000	800.700	1050.000	802.600	1055.000	803.600	1100.000
GR	814.700	1200.000	821.400	1250.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	9755.000	13.000	1000.000	1040.000	865.000	865.000	865.000	0.000	0.000	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	800.000
GR	810.300	900.000	811.500	1000.000	802.100	1019.000	802.300	1040.000	806.900	1049.000
GR	813.200	1100.000	826.900	1200.000	834.900	1250.000	0.000	0.000	0.000	0.000
X1	9895.000	23.000	1000.000	1013.000	59.000	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	803.900	803.900	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	800.000
GR	810.300	900.000	810.600	1000.000	801.400	1000.000	799.500	1000.550	798.900	1002.500
GR	799.500	1004.450	801.400	1005.000	810.600	1005.000	810.600	1000.000	801.400	1003.000
GR	799.500	1000.550	798.900	1010.500	799.500	1012.450	801.400	1013.000	801.400	1013.000
GR	813.200	1100.000	826.900	1200.000	834.900	1250.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	0.000	0.000	59.400	0.000	0.000	0.000
X1	9975.000	0.000	0.000	0.000	70.000	70.000	70.000	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	810.600	810.600	0.000

BT	23.000	400.000	823.900	0.000	500.000	819.300	0.000	600.000	813.800	0.000
RT	700.000	812.600	0.000	800.000	810.300	0.000	900.000	810.300	0.000	1000.000
RT	810.600	0.000	1000.000	810.600	801.400	1000.550	810.600	803.400	1002.500	810.600
RT	803.900	1004.450	810.600	803.400	1005.000	810.600	801.400	1005.000	810.600	0.000
BT	1008.000	810.600	0.000	1008.000	810.600	801.400	1008.550	810.600	803.400	1010.500
BT	810.600	803.900	1012.450	810.600	803.400	1013.000	810.600	801.400	1013.000	810.600
BT	0.000	1100.000	813.200	0.000	1200.000	826.900	0.000	1250.000	834.900	0.000

X1	9925.000	13.000	1000.000	1041.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	823.900	400.000	819.300	500.000	815.800	600.000	812.600	700.000	810.300	400.000
GR	810.300	900.000	811.000	1000.000	802.500	1018.000	802.300	1028.000	809.600	1041.000
GR	813.200	1100.000	826.900	1200.000	834.900	1250.000	0.000	0.000	0.000	0.000
OT	5.000	380.000	800.000	1000.000	1800.000	1000.000	0.000	0.000	0.000	0.000

X1	10340.000	11.000	1000.000	1025.000	415.000	415.000	415.000	0.000	0.000	0.000
GR	828.700	650.000	824.600	700.000	817.300	800.000	810.600	900.000	808.600	1000.000
GR	803.500	1012.000	803.100	1020.000	807.000	1025.000	812.400	1075.000	814.500	1130.000
GR	833.400	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	11125.000	12.000	1000.000	1012.000	785.000	785.000	785.000	1.000	-8.900	0.000
GR	831.100	600.000	828.100	700.000	824.700	800.000	821.700	900.000	818.000	1000.000
GR	816.400	1002.000	816.400	1007.000	822.100	1012.000	820.400	1030.000	824.900	1107.000
GR	828.100	1200.000	832.100	1300.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	11910.000	0.000	0.000	0.000	785.000	785.000	785.000	1.000	4.400	0.000
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X1	12700.000	0.000	0.000	0.000	790.000	790.000	790.000	1.000	4.500	0.000
FJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 INTERACTIVE REC2 VERSION UPDATED SEPT 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY-- 50 YR FLOOD
 T2 FIA STUDY-DEEP RIVER, W. FORK DEEP RIVER, HIATT BRANCH
 T3 APR 1977 DLG

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	.005000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400

*SECNO 7650.000

2076 WSEL NOT GIVEN, AVG OF MAX, MIN USED

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	FNDST
7650.00	4.94	798.94	0.00	0.00	799.19	.25	0.00	0.00	795.00
2020.	201.	1288.	530.	147.	262.	387.	0.	0.	795.00
0.00	1.37	4.93	1.37	.120	.060	.120	0.000	794.00	240.21
.004950	0.	0.	0.	0	0	7	0.00	326.61	566.82

*SECNO 7700.000

7700.00	5.21	799.21	0.00	0.00	799.41	.20	.22	.01	795.00
2020.	213.	1248.	560.	160.	277.	443.	1.	0.	795.00
.00	1.20	4.51	1.20	.120	.060	.120	.059	794.00	235.02
.003861	50.	50.	50.	2	0	1	0.00	345.47	580.49

*SECNO 7800.000

7800.00	5.59	799.59	0.00	0.00	799.75	.16	.32	.01	795.00
2020.	227.	1195.	598.	200.	298.	527.	3.	1.	795.00
.01	1.13	4.01	1.13	.120	.060	.120	.059	794.00	227.74
.002771	100.	100.	100.	2	0	1	0.00	371.91	599.64

*SECNO 8500.000

8500.00	4.16	802.16	0.00	0.00	802.43	.27	2.64	.05	799.00
1600.	203.	1157.	161.	170.	239.	94.	15.	6.	799.00
.04	1.66	4.83	1.72	.120	.060	.120	.060	798.00	435.48
.006021	700.	700.	700.	2	0	1	0.00	187.47	622.95

*SECNO 8940.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY--100 YR FLOOD
 T2 FIA STUDY-DEEP RIVER,W.FORK DEEP RIVER,HIATT BRANCH
 T3 APR 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	4.	0.	0.	.005000	0.00	0.0	0.	0.000	0.000
J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	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= .200 CEHV= .400

*SECNO 7650.000

2096 WSEL NOT GIVEN,AVG OF MAX;MIN USED

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TRA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLQBL	XLCH	XLQBR	ITRIAL	IDC	ICONT	CGRAR	TOPWID	FNDST
7650.00	5.36	799.36	0.00	0.00	799.63	.27	0.00	0.00	795.00
2450.	265.	1488.	698.	180.	285.	475.	0.	0.	795.00
0.00	1.47	5.23	1.47	.120	.060	.120	0.000	794.00	232.19
.004982	0.	0.	0.	0	0	7	0.00	355.72	587.91

*SECNO 7700.000

7700.00	5.64	799.64	0.00	0.00	799.86	.22	.22	.01	795.00
2450.	277.	1442.	731.	204.	300.	537.	1.	0.	795.00
.00	1.36	4.81	1.36	.120	.060	.120	.059	794.00	226.92
.003932	50.	50.	50.	2	0	1	0.00	374.88	601.80

*SECNO 7800.000

7800.00	7.05	800.05	0.00	0.00	800.20	.17	.33	.01	795.00
2450.	295.	1379.	776.	240.	322.	633.	4.	1.	795.00
.01	1.23	4.29	1.23	.120	.060	.120	.059	794.00	219.81
.002547	100.	100.	100.	2	0	1	0.00	400.50	620.31

*SECNO 8500.000

8500.00	4.64	802.64	0.00	0.00	802.95	.31	2.69	.06	799.00
2000.	387.	1396.	217.	213.	268.	115.	18.	6.	799.00
.06	1.82	5.20	1.82	.120	.060	.120	.060	798.00	427.76
.005992	700.	700.	700.	2	0	1	0.00	198.09	625.84

*SECNO 8940.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
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 INTERACTIVE HEC2 VERSION UPDATED SEPT. 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59

T1 GUILFORD COUNTY FIA STUDY--500 YR FLOOD
 T2 FIA STUDY--DEEP RIVER,W,FORK DEEP RIVER,HIATT BRANCH
 T3 APR 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FS
	-10.	5.	0.	0.	.005000	0.00	0.0	0.	0.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRK	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= .200 CEHV= .400

*SECNO 7650.000

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

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	ELWIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
7650.00	6.77	800.77	0.00	0.00	801.10	.32	0.00	0.00	795.00
4400.	599.	2224.	1577.	313.	363.	821.	0.	0.	795.00
0.00	1.92	6.13	1.92	.120	.060	.120	0.000	794.00	215.36
.004976	6.	0.	0.	0	0	6	0.00	412.37	627.73

*SECNO 7700.000

7700.00	7.06	801.06	0.00	0.00	801.33	.27	.22	.01	795.00
4400.	621.	2147.	1633.	342.	378.	896.	2.	0.	795.00
.00	1.82	5.67	1.82	.120	.060	.120	.059	794.00	213.64
.004023	50.	50.	50.	2	0	1	0.00	416.96	630.60

*SECNO 7800.000

7800.00	7.48	801.48	0.00	0.00	801.69	.21	.35	.01	795.00
4400.	648.	2050.	1702.	384.	401.	1005.	6.	1.	795.00
.01	1.69	5.11	1.69	.120	.060	.120	.059	794.00	211.14
.003016	100.	100.	100.	2	0	1	0.00	425.62	634.76

*SECNO 8500.000

8500.00	6.16	804.16	0.00	0.00	804.59	.43	2.82	.09	799.00
3600.	847.	2295.	458.	371.	359.	192.	27.	7.	799.00
.05	2.28	6.38	2.39	.120	.060	.120	.060	798.00	403.47
.006116	700.	700.	700.	2	0	1	0.00	231.48	634.95

*SECNO 8940.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
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PRINTED ON 8 1/2" X 11" PAPER
 11/11/77 11:11 AM

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO FIA 10 YR FLOOD
 T2 RICHLAND CR TRIB 3 (CR NO 33)
 T3 MAR 77 EMP

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	000000	0.00	0.0	0.	779.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	4.000	780.000	1290.000	1590.000	2390.000	0.000	0.000	0.000	0.000	0.000
X1	350.000	15.000	1000.000	1028.000	0.000	0.000	0.000	0.000	1.000	-1.000
GR	800.000	490.000	790.000	760.000	788.000	775.000	786.000	800.000	781.900	900.000
GR	779.900	1000.000	774.800	1007.000	773.600	1018.000	773.600	1023.000	779.400	1028.000
GR	778.800	1100.000	780.200	1147.000	785.100	1163.000	790.000	1180.000	800.000	1320.000
X1	480.000	0.000	0.000	0.000	130.000	130.000	130.000	1.000	1.000	0.000
X1	1215.000	15.000	1000.000	1019.000	735.000	735.000	735.000	0.000	0.000	0.000
GR	810.000	775.000	802.500	900.000	792.800	950.000	782.700	1000.000	778.300	1003.000
GR	778.500	1017.000	783.500	1019.000	784.300	1100.000	784.100	1200.000	783.300	1300.000
GR	784.300	1400.000	783.600	1461.000	785.100	1471.000	790.900	1510.000	810.000	1640.000
X1	1265.000	16.000	1000.000	1013.000	50.000	50.000	50.000	0.000	.040	0.000
GR	810.000	775.000	802.500	900.000	792.800	950.000	782.700	1000.000	778.300	1003.000
GR	778.500	1012.000	783.500	1013.000	784.300	1100.000	784.100	1200.000	783.300	1300.000
GR	784.300	1400.000	783.600	1461.000	785.100	1471.000	790.900	1510.000	799.000	1565.000
GR	810.000	1640.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.500	3.000	0.000	13.000	0.000	113.000	0.000	778.900	778.700
X1	1295.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	.200	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	13.000	775.000	810.000	0.000	900.000	802.500	0.000	950.000	793.500	0.000
BT	1000.000	789.600	787.600	1013.000	789.600	787.600	1100.000	787.700	0.000	1200.000
BT	788.200	0.000	1300.000	790.500	0.000	1400.000	792.800	0.000	1471.000	796.000
BT	0.000	1510.000	798.000	0.000	1565.000	799.000	0.000	1640.000	810.000	0.000
X1	1310.000	10.000	1000.000	1035.000	15.000	15.000	15.000	0.000	0.000	0.000
GR	810.000	780.000	800.000	915.000	790.000	985.000	784.100	1000.000	779.000	1005.000
GR	779.500	1020.000	783.700	1035.000	790.000	1205.000	800.000	1300.000	810.000	1430.000
QT	4.000	780.000	1160.000	1500.000	1990.000	0.000	0.000	0.000	0.000	0.000
X1	1450.000	0.000	0.000	0.000	140.000	140.000	140.000	0.000	1.000	0.000

X1	1550,000	12,000	1000,000	1021,000	290,000	290,000	290,000	1,000	-7,300	0,000
GR	810,000	740,000	802,300	857,000	798,700	873,000	795,900	900,000	793,200	950,000
GR	792,500	1000,000	788,200	1002,000	789,400	1014,000	793,800	1021,000	795,600	1066,000
GR	801,600	1100,000	810,000	1170,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	1805,000	0,000	0,000	0,000	255,000	255,000	255,000	1,000	2,400	0,000
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X1	2060,000	0,000	0,000	0,000	255,000	255,000	255,000	1,000	2,400	0,000
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X1	2320,000	0,000	0,000	0,000	260,000	260,000	260,000	1,000	2,500	0,000
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X1	2700,000	0,000	0,000	0,000	380,000	380,000	380,000	1,000	4,000	0,000
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X1	3080,000	0,000	0,000	0,000	380,000	380,000	380,000	1,000	4,000	0,000
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X1	3450,000	19,000	1000,000	1034,000	370,000	370,000	370,000	0,000	0,000	0,000
GR	830,000	470,000	828,000	490,000	826,000	550,000	824,000	790,000	822,000	840,000
GR	820,000	850,000	818,000	880,000	814,100	900,000	814,300	925,000	812,800	950,000
GR	805,700	954,000	805,600	1000,000	800,100	1005,000	800,400	1025,000	804,600	1034,000
GR	805,600	1052,000	818,000	1077,000	820,000	1110,000	830,000	1300,000	0,000	0,000
NC	.120	.120	.012	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	3501,000	32,000	1001,000	1019,500	51,000	51,000	51,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	806,400	806,400	0,000
GR	830,000	460,000	828,000	480,000	826,000	540,000	824,000	770,000	822,000	820,000
GR	820,000	840,000	818,000	870,000	816,000	885,000	814,000	910,000	812,000	945,000
GR	810,000	960,000	804,600	1001,000	802,400	1001,100	800,800	1002,600	800,800	1004,800
GR	802,400	1006,400	804,600	1006,500	804,600	1007,500	802,400	1007,600	800,800	1009,100
GR	800,800	1011,300	802,400	1012,900	804,600	1013,000	804,600	1014,000	802,400	1014,100
GR	800,800	1015,600	800,800	1017,800	802,400	1019,400	804,600	1019,500	810,000	1060,000
GR	820,000	1150,000	830,000	1290,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	3502,000	0,000	0,000	0,000	1,000	1,000	1,000	0,000	0,000	0,000
BT	14,000	465,000	830,000	0,000	520,000	828,000	0,000	690,000	826,000	0,000
BT	800,000	824,000	0,000	855,000	821,500	0,000	900,000	817,600	0,000	924,000
BT	816,200	0,000	957,000	815,700	0,000	1001,000	815,300	806,400	1019,500	815,300
BT	806,400	1050,000	816,500	0,000	1100,000	819,000	0,000	1147,000	821,800	0,000
BT	1270,000	830,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	3610,000	0,000	0,000	0,000	116,000	116,000	116,000	0,000	2,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	3619,000	0,000	0,000	0,000	1,000	1,000	1,000	0,000	0,000	0,000
NC	.120	.120	.060	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	3650,000	8,000	1000,000	1039,000	31,000	31,000	31,000	0,000	0,000	0,000
GR	830,000	470,000	820,000	870,000	810,500	1000,000	804,000	1014,000	803,300	1024,000
GR	814,200	1039,000	820,000	1110,000	830,000	1230,000	0,000	0,000	0,000	0,000

X1	3720,000	15,000	1000,000	1032,000	100,000	50,000	70,000	0,000	0,000	0,000
GR	830,000	790,000	816,100	860,000	811,400	889,000	811,200	900,000	811,400	907,000
GR	810,300	950,000	808,000	1000,000	803,800	1007,000	803,800	1021,000	811,800	1032,000

GR 815,100 1100,000 815,900 1142,000 817,400 1190,000 818,600 1200,000 335,335
 EJ 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000

*PROF 1

CCHV= ,200 CEHV= ,400

*SECNO 350,000

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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

350,00	6,54	779,14	0,00	779,00	779,48	,35	0,00	0,00	778,90
780,	0,	683,	96,	1,	136,	105,	0,	0,	778,40
0,00	,23	5,03	,92	,120	,060	,120	0,000	772,60	988,08
,006113	0,	0,	0,	0	0	4	0,00	156,85	1144,93

*SECNO 480,000

480,00	6,37	779,97	0,00	0,00	780,37	,40	,87	,02	779,90
780,	0,	703,	77,	0,	131,	86,	1,	0,	779,40
,01	,11	5,37	,90	,120	,060	,120	,060	773,60	996,53
,007281	130,	130,	130,	2	0	0	0,00	142,72	1139,26

*SECNO 1215,000

1215,00	6,36	784,66	0,00	0,00	784,90	,23	4,49	,03	782,70
780,	8,	512,	260,	10,	108,	339,	6,	6,	783,50
,07	,87	4,76	,76	,120	,060	,120	,060	778,30	990,27
,005200	735,	735,	735,	3	0	0	0,00	477,84	1468,11

*SECNO 1265,000

1265,00	6,70	785,04	0,00	0,00	785,16	,12	,24	,02	782,74
780,	12,	321,	447,	13,	77,	499,	7,	6,	783,54
,07	,90	4,17	,90	,120	,060	,120	,060	778,34	988,59
,004519	50,	50,	50,	2	0	0	0,00	481,79	1470,37

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0,00	1,50	3,00	0,00	13,00	0,00	113,00	0,00	778,90	778,70

*SECNO 1295,000

6070, LOW FLOW BY NORMAL BRIDGE

EGPRS= 0,000 EGLWC= 785,660 ELLC= 787,600 PCWSE= 785,045 ELTRD= 787,700

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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 787,70 MAX ELLC= 787,60

7185 MINIMUM SPECIFIC ENERGY

THIS RUN EXECUTED 15 APR 77 12.07

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD CO FIA 50 YR FLOOD
 T2 RICHLAND CR TRIB 3 (CR; NO 33)
 T3 MAR 77 EMF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	.006000	0.00	0.0	0.	780.000	0.000

J2	NPROF	IPLQT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400

*SECNO 350,000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	OLSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XL	XLCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
350.00	7.54	780.14	0.00	780.00	780.51	.37	0.00	0.00	778.90
1290.	27.	931.	332.	38.	164.	225.	0.	0.	778.40
0.00	.70	5.68	1.47	.120	.060	.120	0.000	772.60	937.98
.006065	0.	0.	0.	0	0	4	0.00	212.09	1150.07

*SECNO 480,000

480.00	7.36	780.96	0.00	0.00	781.40	.44	.86	.03	779.90
1290.	19.	964.	307.	28.	159.	203.	1.	1.	779.40
.01	.69	6.07	1.51	.120	.060	.120	.060	773.60	947.01
.007223	130.	130.	130.	2	0	0	0.00	202.47	1149.48

*SECNO 1215,000

1215.00	7.07	785.37	0.00	0.00	785.54	.16	4.08	.05	782.70
1290.	17.	573.	700.	18.	121.	657.	11.	6.	783.50
.08	.98	4.74	1.06	.120	.060	.120	.060	778.30	986.78
.004407	735.	735.	735.	4	0	0	0.00	486.04	1472.82

*SECNO 1265,000

1265.00	7.33	785.67	0.00	0.00	785.76	.10	.22	.01	782.74
1290.	22.	366.	903.	21.	85.	782.	12.	7.	783.54
.09	1.02	4.30	1.15	.120	.060	.120	.060	778.34	985.54
.004222	50.	50.	50.	0	0	0	0.00	488.97	1474.50

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - .01
 MODIFICATION - 50,51,52

T1 GUILFORD CO. FIA 100 YR FLOOD
 T2 RICHLAND CR TRIB 3 (CR NO 33)
 T3 MAR 77 EMF

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	.006000	0.00	0.0	0.	780,500	0.000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400

*SECNO 350,000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRQB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
350.00	8.00	780.60	0.00	780.50	780.97	.38	0.00	0.00	778.90
1590.	62.	1252.	476.	72.	177.	281.	0.	0.	778.40
0.00	.56	2.96	1.69	.120	.060	.120	0.000	772.65	915.20
.006057	0.	0.	0.	0	0	4	0.00	236.35	1151.56

*SECNO 480,000

480.00	7.81	781.41	0.00	0.00	781.85	.44	.85	.03	779.90
1590.	49.	1090.	451.	57.	171.	258.	2.	1.	779.40
.01	.87	6.36	1.74	.120	.060	.120	.060	773.60	924.52
.007156	130.	130.	130.	2	0	0	0.00	226.43	1150.95

*SECNO 1215,000

1215.00	7.41	785.71	0.00	0.00	785.85	.15	3.94	.06	782.70
1590.	23.	607.	960.	22.	127.	810.	14.	7.	783.50
.09	1.04	4.77	1.18	.120	.060	.120	.060	778.30	985.12
.004168	735.	735.	735.	4	0	0	0.00	489.96	1475.08

*SECNO 1265,000

1265.00	7.64	785.98	0.00	0.00	786.07	.09	.20	.01	782.74
1590.	28.	386.	1176.	26.	89.	934.	15.	7.	783.54
.09	1.07	4.33	1.26	.120	.060	.120	.060	778.34	983.91
.003994	50.	50.	50.	0	0	0	0.00	492.80	1476.71

THIS RUN EXECUTED 15 APR 77 12.07

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO FIA 500 YR FLOOD
 T2 RICHLAND CR TRIB 3 (CR NO 33)
 T3 MAR 77 EMF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	5.	0.	0.	.006000	0.00	0.0	0.	31.000	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	LHW	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 = .200 CEHV = .400

*SECNO 350,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	ARQB	VQL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
350.00	8.93	781.53	0.00	781.00	781.93	.40	0.00	0.00	778.90
2390.	221.	1322.	840.	168.	203.	399.	0.	0.	778.40
0.00	1.31	6.55	2.11	.120	.060	.120	0.000	772.60	884.53
.006065	0.	0.	0.	0	0	4	0.00	270.09	1154.62

*SECNO 480,000

480.00	8.75	782.35	0.00	0.00	782.81	.46	.85	.02	779.90
2390.	194.	1374.	822.	147.	198.	375.	2.	1.	779.40
.01	1.32	6.96	2.19	.120	.060	.120	.060	773.60	889.10
.007076	130.	130.	130.	2	0	0	0.00	264.91	1154.01

*SECNO 1215,000

1215.00	8.16	786.46	0.00	0.00	786.59	.13	3.72	.07	782.70
2390.	40.	694.	1655.	35.	142.	1161.	20.	7.	783.50
.09	1.15	4.90	1.43	.120	.060	.120	.060	778.30	981.34
.003802	735.	735.	735.	3	0	0	0.00	498.88	1480.21

*SECNO 1265,000

1265.00	8.37	786.71	0.00	0.00	786.79	.09	.19	.01	782.74
2390.	46.	445.	1899.	39.	99.	1268.	21.	8.	783.54
.10	1.19	4.51	1.50	.120	.060	.120	.060	778.34	980.36
.003805	50.	50.	50.	2	0	0	0.00	501.17	1481.54

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 EMF

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
350.000	0.00	0.00	0.00	772.60	780.00	779.14	0.00	779.48	61.13	5.03	241.
350.000	0.00	0.00	0.00	772.60	1290.00	780.14	0.00	780.51	60.65	5.68	427.
350.000	0.00	0.00	0.00	772.60	1590.00	780.60	0.00	780.97	60.37	5.96	529.
350.000	0.00	0.00	0.00	772.60	2390.00	781.53	0.00	781.93	60.65	6.55	769.
480.000	130.00	0.00	0.00	773.60	780.00	779.97	0.00	780.37	72.81	5.37	216.
480.000	130.00	0.00	0.00	773.60	1290.00	780.96	0.00	781.40	72.23	6.07	390.
480.000	130.00	0.00	0.00	773.60	1590.00	781.41	0.00	781.85	71.56	6.36	486.
480.000	130.00	0.00	0.00	773.60	2390.00	782.35	0.00	782.81	70.76	6.96	719.
1215.000	735.00	0.00	0.00	778.30	780.00	784.66	0.00	784.90	52.00	4.76	456.
1215.000	735.00	0.00	0.00	778.30	1290.00	785.37	0.00	785.54	44.07	4.74	795.
1215.000	735.00	0.00	0.00	778.30	1590.00	785.71	0.00	785.65	41.68	4.77	959.
1215.000	735.00	0.00	0.00	778.30	2390.00	786.46	0.00	786.59	38.02	4.90	1337.
1265.000	50.00	0.00	0.00	778.34	780.00	785.04	0.00	785.16	45.19	4.17	589.
1265.000	50.00	0.00	0.00	778.34	1290.00	785.67	0.00	785.76	42.22	4.30	887.
1265.000	50.00	0.00	0.00	778.34	1590.00	785.98	0.00	786.07	39.94	4.33	1048.
1265.000	50.00	0.00	0.00	778.34	2390.00	786.71	0.00	786.79	38.05	4.51	1405.
* 1295.000	30.00	787.70	787.60	778.54	780.00	784.77	784.77	786.16	286.24	9.93	124.
* 1295.000	30.00	787.70	787.60	778.54	1290.00	785.99	785.99	787.62	295.67	11.54	207.
* 1295.000	30.00	787.70	787.60	778.54	1590.00	787.20	787.20	788.42	199.23	10.58	297.
* 1295.000	30.00	787.70	787.60	778.54	2390.00	787.61	787.61	789.38	584.79	13.32	329.
1310.000	15.00	0.00	0.00	779.00	780.00	786.30	0.00	786.48	22.44	3.57	297.
1310.000	15.00	0.00	0.00	779.00	1290.00	787.75	0.00	787.98	23.53	4.24	488.
1310.000	15.00	0.00	0.00	779.00	1590.00	788.44	0.00	788.69	23.66	4.53	601.
1310.000	15.00	0.00	0.00	779.00	2390.00	789.43	0.00	789.79	30.88	5.60	787.
1450.000	140.00	0.00	0.00	780.00	780.00	786.64	0.00	786.90	36.30	4.18	231.
1450.000	140.00	0.00	0.00	780.00	1160.00	788.09	0.00	788.35	28.87	4.41	394.
1450.000	140.00	0.00	0.00	780.00	1500.00	788.78	0.00	789.09	31.17	4.90	493.
1450.000	140.00	0.00	0.00	780.00	1990.00	789.89	0.00	790.21	28.53	5.16	684.
1550.000	290.00	0.00	0.00	780.90	780.00	787.90	0.00	788.16	52.65	4.86	290.
1550.000	290.00	0.00	0.00	780.90	1160.00	789.11	0.00	789.32	38.04	4.74	488.
1550.000	290.00	0.00	0.00	780.90	1500.00	789.86	0.00	790.06	34.86	4.88	624.
1550.000	290.00	0.00	0.00	780.90	1990.00	790.89	0.00	791.09	30.03	4.95	825.

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
1805.000	255.00	0.00	0.00	783.30	780.00	789.61	0.00	790.10	105.53	6.28	203.
1805.000	255.00	0.00	0.00	783.30	1160.00	790.42	0.00	790.95	103.24	6.92	308.
1805.000	255.00	0.00	0.00	783.30	1500.00	791.06	0.00	791.57	95.04	7.15	410.
1805.000	255.00	0.00	0.00	783.30	1990.00	791.91	0.00	792.37	80.18	7.17	566.
2060.000	255.00	0.00	0.00	785.70	780.00	792.16	0.00	792.59	89.73	5.92	220.
2060.000	255.00	0.00	0.00	785.70	1160.00	792.96	0.00	793.43	90.91	6.60	328.
2060.000	255.00	0.00	0.00	785.70	1500.00	793.47	0.00	793.98	94.19	7.12	412.
2060.000	255.00	0.00	0.00	785.70	1990.00	794.09	0.00	794.63	95.77	7.67	521.
2320.000	260.00	0.00	0.00	788.20	780.00	794.58	0.00	795.04	97.87	6.11	211.
2320.000	260.00	0.00	0.00	788.20	1160.00	795.39	0.00	795.88	97.29	6.77	317.
2320.000	260.00	0.00	0.00	788.20	1500.00	795.95	0.00	796.46	96.57	7.19	408.
2320.000	260.00	0.00	0.00	788.20	1990.00	796.59	0.00	797.13	96.30	7.68	519.
2700.000	380.00	0.00	0.00	792.20	780.00	798.48	0.00	798.99	109.54	6.37	199.
2700.000	380.00	0.00	0.00	792.20	1160.00	799.26	0.00	799.81	108.92	7.06	300.
2700.000	380.00	0.00	0.00	792.20	1500.00	799.81	0.00	800.39	109.29	7.54	385.
2700.000	380.00	0.00	0.00	792.20	1990.00	800.44	0.00	801.05	109.03	8.05	493.
3080.000	380.00	0.00	0.00	796.20	780.00	802.54	0.00	803.02	102.35	6.21	206.
3080.000	380.00	0.00	0.00	796.20	1160.00	803.32	0.00	803.84	103.00	6.91	308.
3080.000	380.00	0.00	0.00	796.20	1500.00	803.87	0.00	804.42	102.74	7.36	396.
3080.000	380.00	0.00	0.00	796.20	1990.00	804.50	0.00	805.08	103.02	7.88	505.
3450.000	370.00	0.00	0.00	800.10	780.00	805.66	0.00	806.06	67.09	5.14	161.
3450.000	370.00	0.00	0.00	800.10	1160.00	806.51	0.00	807.05	73.59	6.05	245.
3450.000	370.00	0.00	0.00	800.10	1500.00	807.12	0.00	807.74	77.74	6.69	306.
3450.000	370.00	0.00	0.00	800.10	1990.00	807.83	0.00	808.58	84.00	7.50	380.
* 3501.000	51.00	0.00	0.00	800.80	780.00	806.08	806.08	807.52	21.07	9.64	80.
* 3501.000	51.00	0.00	0.00	800.80	1160.00	806.75	806.75	809.00	26.24	12.17	128.
* 3501.000	51.00	0.00	0.00	800.80	1500.00	807.67	807.67	810.22	24.25	13.07	181.
* 3501.000	51.00	0.00	0.00	800.80	1990.00	808.87	808.87	811.72	21.82	14.01	270.
3502.000	1.00	815.30	806.40	800.80	780.00	806.29	805.54	807.56	16.61	9.08	106.
3502.000	1.00	815.30	806.40	800.80	1160.00	806.53	806.40	809.16	59.07	13.13	113.
3502.000	1.00	815.30	806.40	800.80	1500.00	806.56	806.40	810.96	98.71	16.97	113.
* 3502.000	1.00	815.30	806.40	800.80	1990.00	806.40	806.40	814.20	99.40	22.57	111.
* 3618.000	116.00	815.30	808.40	802.80	780.00	807.54	807.54	809.39	30.69	10.95	77.
* 3618.000	116.00	815.30	808.40	802.80	1160.00	808.40	808.40	811.05	33.78	13.15	111.
* 3618.000	116.00	815.30	808.40	802.80	1500.00	808.40	808.40	812.83	56.43	17.01	111.
* 3618.000	116.00	815.30	808.40	802.80	1990.00	808.40	808.40	816.20	99.40	22.57	111.
3619.000	1.00	0.00	0.00	802.80	780.00	807.55	807.54	809.40	30.41	10.92	77.
3619.000	1.00	0.00	0.00	802.80	1160.00	809.93	808.75	811.31	12.45	9.63	198.
3619.000	1.00	0.00	0.00	802.80	1500.00	812.67	809.69	813.54	5.26	7.99	444.
3619.000	1.00	0.00	0.00	802.80	1990.00	817.26	810.90	817.68	1.67	5.94	1177.
3650.000	31.00	0.00	0.00	803.30	780.00	808.69	808.08	809.76	247.39	8.29	94.
3650.000	31.00	0.00	0.00	803.30	1160.00	810.61	0.00	811.50	144.87	7.57	153.
3650.000	31.00	0.00	0.00	803.30	1500.00	813.12	0.00	813.65	55.76	5.95	290.
3650.000	31.00	0.00	0.00	803.30	1990.00	817.54	0.00	817.73	12.31	3.88	821.

SECNO	XLGH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
3720.000	70.00	0.00	0.00	803.80	780.00	810.25	0.00	810.60	51.72	4.86	204.
3720.000	70.00	0.00	0.00	803.80	1160.00	811.81	0.00	812.09	36.86	4.71	383.
3720.000	70.00	0.00	0.00	803.80	1500.00	813.78	0.00	813.93	16.25	3.75	721.
3720.000	70.00	0.00	0.00	803.80	1990.00	817.76	0.00	817.81	3.67	2.32	1798.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
350.000	780.00	779.14	0.00	0.00	.14	156.85	0.00
350.000	1290.00	780.14	0.00	0.00	.14	212.09	0.00
350.000	1590.00	780.60	0.00	0.00	.10	236.35	0.00
350.000	2390.00	781.53	.94	0.00	.53	270.09	0.00
480.000	780.00	779.97	0.00	.83	0.00	142.72	130.00
480.000	1290.00	780.96	0.00	.82	0.00	202.47	130.00
480.000	1590.00	781.41	0.00	.81	0.00	226.43	130.00
480.000	2390.00	782.35	.94	.81	0.00	264.91	130.00
1215.000	780.00	784.66	0.00	4.69	0.00	477.84	735.00
1215.000	1290.00	785.37	0.00	4.41	0.00	486.04	735.00
1215.000	1590.00	785.71	0.00	4.30	0.00	489.96	735.00
1215.000	2390.00	786.46	.76	4.12	0.00	498.88	735.00
1265.000	780.00	785.04	0.00	.38	0.00	481.79	50.00
1265.000	1290.00	785.67	0.00	.30	0.00	488.97	50.00
1265.000	1590.00	785.98	0.00	.28	0.00	492.80	50.00
1265.000	2390.00	786.71	.73	.24	0.00	501.17	50.00
* 1295.000	780.00	784.77	0.00	.27	0.00	476.30	30.00
* 1295.000	1290.00	785.99	0.00	.32	0.00	490.48	30.00
* 1295.000	1590.00	787.20	0.00	1.22	0.00	504.56	30.00
* 1295.000	2390.00	787.61	.41	.90	0.00	509.34	30.00
1310.000	780.00	786.30	0.00	1.52	0.00	110.67	15.00
1310.000	1290.00	787.75	0.00	1.75	0.00	153.41	15.00
1310.000	1590.00	788.44	0.00	1.24	0.00	173.79	15.00
1310.000	2390.00	789.43	.99	1.82	0.00	203.02	15.00
1450.000	780.00	786.64	0.00	.35	0.00	91.42	140.00
1450.000	1160.00	788.09	0.00	.34	0.00	134.07	140.00
1450.000	1500.00	788.78	0.00	.34	0.00	154.40	140.00
1450.000	1990.00	789.89	1.12	.47	0.00	187.41	140.00
1550.000	780.00	787.90	0.00	1.25	0.00	142.95	290.00
1550.000	1160.00	789.11	0.00	1.02	0.00	175.52	290.00
1550.000	1500.00	789.86	0.00	1.08	0.00	186.99	290.00
1550.000	1990.00	790.89	1.03	1.00	0.00	202.81	290.00
1805.000	780.00	789.61	0.00	1.71	0.00	113.25	255.00
1805.000	1160.00	790.42	0.00	1.31	0.00	148.38	255.00
1805.000	1500.00	791.06	0.00	1.20	0.00	168.64	255.00
1805.000	1990.00	791.91	.86	1.02	0.00	181.70	255.00
2060.000	780.00	792.16	0.00	2.56	0.00	119.94	255.00
2060.000	1160.00	792.96	0.00	2.54	0.00	154.20	255.00
2060.000	1500.00	793.47	0.00	2.42	0.00	168.78	255.00
2060.000	1990.00	794.09	.62	2.18	0.00	178.36	255.00
2320.000	780.00	794.58	0.00	2.42	0.00	116.34	260.00
2320.000	1160.00	795.39	0.00	2.43	0.00	151.08	260.00
2320.000	1500.00	795.95	0.00	2.47	0.00	168.37	260.00
2320.000	1990.00	796.59	.64	2.50	0.00	178.25	260.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2700.000	780.00	798.48	0.00	3.90	0.00	111.73	380.00
2700.000	1160.00	799.26	0.00	3.88	0.00	145.95	380.00
2700.000	1500.00	799.81	0.00	3.86	0.00	165.52	380.00
2700.000	1990.00	800.44	.63	3.85	0.00	175.99	380.00
3080.000	780.00	802.54	0.00	4.06	0.00	114.50	380.00
3080.000	1160.00	803.32	0.00	4.06	0.00	148.48	380.00
3080.000	1500.00	803.87	0.00	4.06	0.00	167.15	380.00
3080.000	1990.00	804.50	.63	4.06	0.00	177.02	380.00
3450.000	780.00	805.66	0.00	3.12	0.00	77.50	370.00
3450.000	1160.00	806.51	0.00	3.19	0.00	100.30	370.00
3450.000	1500.00	807.12	0.00	3.25	0.00	101.86	370.00
3450.000	1990.00	807.83	.72	3.33	0.00	103.69	370.00
* 3501.000	780.00	806.08	0.00	.42	0.00	18.50	51.00
* 3501.000	1160.00	806.75	0.00	.24	0.00	50.97	51.00
* 3501.000	1500.00	807.67	0.00	.55	0.00	64.79	51.00
* 3501.000	1990.00	808.87	1.20	1.04	0.00	82.95	51.00
3502.000	780.00	806.29	0.00	.22	0.00	43.98	1.00
3502.000	1160.00	806.53	0.00	-.22	0.00	47.60	1.00
3502.000	1500.00	806.56	0.00	-1.10	0.00	48.16	1.00
* 3502.000	1990.00	806.40	-.16	-2.47	0.00	45.67	1.00
* 3618.000	780.00	807.54	0.00	1.24	0.00	32.63	116.00
* 3618.000	1160.00	808.40	0.00	1.87	0.00	45.67	116.00
* 3618.000	1500.00	808.40	0.00	1.84	0.00	45.67	116.00
* 3618.000	1990.00	808.40	0.00	2.90	0.00	45.67	116.00
3619.000	780.00	807.55	0.00	.02	0.00	32.79	1.00
3619.000	1160.00	809.93	0.00	1.53	0.00	68.68	1.00
3619.000	1500.00	812.67	0.00	4.27	0.00	111.03	1.00
3619.000	1990.00	817.26	4.60	8.86	0.00	213.17	1.00
3650.000	780.00	808.69	0.00	1.14	0.00	27.52	31.00
3650.000	1160.00	810.61	0.00	.68	0.00	35.50	31.00
3650.000	1500.00	813.12	0.00	.45	0.00	73.41	31.00
3650.000	1990.00	817.54	4.42	.27	0.00	176.19	31.00
3720.000	780.00	810.25	0.00	1.56	0.00	78.87	70.00
3720.000	1160.00	811.81	0.00	1.21	0.00	146.02	70.00
3720.000	1500.00	813.78	0.00	.66	0.00	198.59	70.00
3720.000	1990.00	817.76	3.98	.22	0.00	341.41	70.00

SUMMARY OF ERRORS

CAUTION SECNO= 1295.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1295.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1295.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1295.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1295.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1295.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1295.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1295.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1295.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO FIA 10 YP FLOOD
 T2 MILE BRANCH (CR NO 34A)
 T3 MAR 77 EMF

J1	ICHECK	INO	NINV	IDIR	ASTRI	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	.008200	0.00	0.0	0.	700.000	0.000
J2	NPROF	IPLUT	PREVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	4.000	780.000	1520.000	2090.000	3710.000	0.000	0.000	0.000	0.000	0.000
X1	300.000	10.000	1000.000	1015.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	727.700	800.000	713.600	900.000	701.300	975.000	698.700	1000.000	693.600	1003.000
GR	693.500	1012.000	698.800	1015.000	699.000	1100.000	701.000	1200.000	730.000	1950.000
X1	2320.000	11.000	1000.000	1016.000	1960.000	1960.000	1960.000	0.000	0.000	0.000
GR	731.000	800.000	721.000	700.000	712.300	800.000	710.700	900.000	711.300	1000.000
GR	709.800	1004.000	709.500	1014.000	711.300	1016.000	711.500	1025.000	725.000	1100.000
GR	738.500	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	4.000	610.000	1180.000	1570.000	2900.000	0.000	0.000	0.000	0.000	0.000
X1	5660.000	10.000	1000.000	1018.000	3340.000	3340.000	3340.000	0.000	0.000	0.000
GR	764.000	870.000	760.500	900.000	751.400	950.000	737.100	1000.000	734.000	1002.000
GR	734.200	1014.000	735.200	1018.000	745.700	1100.000	753.900	1175.000	760.000	1200.000
NC	.120	.120	.060	.500	1.000	0.000	0.000	0.000	0.000	0.000
X1	5700.000	10.000	1000.000	1033.000	49.000	49.000	49.000	0.000	0.000	0.000
XJ	10.000	0.000	0.000	0.000	0.000	0.000	0.000	745.800	745.800	0.000
GR	764.000	800.000	760.500	900.000	751.400	950.000	749.800	955.000	737.000	1000.000
GR	734.900	1001.000	733.700	1016.000	733.800	1032.000	737.000	1033.000	745.500	1100.000
GR	753.000	1170.000	753.900	1175.000	760.000	1200.000	0.000	0.000	0.000	0.000
NC	.030	.030	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	5710.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	11.000	800.000	764.000	0.000	900.000	760.500	0.000	950.000	751.400	0.000
BT	955.000	749.800	0.000	1000.000	748.100	745.800	1016.000	748.100	745.800	1033.000
BT	748.100	745.100	1100.000	749.600	0.000	1170.000	753.000	0.000	1175.000	753.900
BT	0.000	1200.000	760.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	5730.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	5731.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	748.100	748.100	0.000
NC	.120	.120	.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5740.000	0.000	0.000	0.000	9.000	9.000	9.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO, FIA 50 YR FLOOD
 T2 MILE BRANCH (CR. NO 34A)
 T3 MAR 77 ERF

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	.008200	0.00	0.0	0.	702.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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= .200 CEHV= .400
 *SECNO 360.000

SECNO	DEPTH	WSEL	CRTWS	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
360.00	8.12	701.62	0.00	702.00	701.90	.34	0.00	0.00	698.70
1520.	66.	694.	760.	42.	105.	399.	0.	0.	698.80
0.00	1.56	6.58	1.91	.120	.060	.120	0.000	693.50	972.45
.004211	0.	0.	0.	0	0	5	0.00	243.63	1216.08

*SECNO 2320.000

2320.00	4.78	714.28	0.00	0.00	714.38	.10	12.38	.05	711.30
1520.	1141.	309.	70.	631.	69.	48.	29.	11.	711.30
.23	1.81	4.47	1.46	.120	.060	.120	.060	709.50	777.14
.005007	1960.	1960.	1960.	5	0	0	0.00	263.36	1040.49

*SECNO 5660.000

3301 HV CHANGED MORE THAN HVINS

5660.00	5.03	739.83	0.00	0.00	740.92	1.09	26.14	.39	737.10
1180.	25.	919.	236.	13.	98.	84.	05.	24.	735.20
.35	1.94	9.38	2.82	.120	.060	.120	.060	734.00	990.44
.017046	3340.	3340.	3340.	4	0	0	0.00	63.75	1054.19

CCHV= .500 CEHV= 1.000
 *SECNO 5709.000

3301 HV CHANGED MORE THAN HVINS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO, FIA 100 YR FLOOD
 T2 HILE BRANCH (CR NO 34A)
 T3 MAR 77 EMF

J1	ICHECK	INO	NINV	IDIR	STRT	MEIRC	HVINS	O	WSEL	FO
	-10.	4.	0.	0.	.008200	0.00	0.0	0.	703.000	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IPW	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= .200 CEHV= .400

*SECNO 360.000

SECNO	DEPTH	WSEL	CRISW	WSELK	EG	HV	HL	GLUSS	BANK	ELEV
Q	QLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
360.00	8.76	702.26	0.00	703.00	702.60	.33	0.00	0.00	698.70	
2090.	115.	802.	1173.	61.	115.	532.	0.	0.	698.80	
0.00	1.89	6.97	2.20	.120	.060	.120	0.000	693.50	966.58	
.008204	0.	0.	0.	0	0	5	0.00	264.02	1232.61	

*SECNO 2320.000

2320.00	5.44	714.94	0.00	0.00	715.06	.12	12.42	.04	711.30	
2090.	1593.	391.	106.	777.	79.	65.	57.	12.	711.30	
.21	2.05	4.92	1.64	.120	.060	.120	.060	709.50	769.70	
.005041	1960.	1960.	1960.	6	0	0	0.00	274.39	1044.09	

*SECNO 5660.000

3301 HV CHANGED MORE THAN HVINS

5660.00	6.58	740.58	0.00	0.00	741.87	1.29	26.34	.47	737.10	
1570.	49.	1162.	359.	21.	111.	113.	61.	25.	739.20	
.32	2.33	10.44	3.18	.120	.060	.120	.060	734.00	987.83	
.017775	3340.	3340.	3340.	4	0	0	0.00	72.18	1060.01	

CCHV= .500 CEHV= 1.000

*SECNO 5709.000

3301 HV CHANGED MORE THAN HVINS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD CO. FIA 500 YR FLOOD
 T2 MILE BRANCH (CR NO 34A)
 T3 MAR 77 EMF

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	5.	0.	0.	.008200	0.00	0.0	0.	705.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOD	TBW	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= .200 CEHV= .400
 *SECNO 360.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	LGH	AROB	VGL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
360.00	10.16	705.66	0.00	705.00	704.61	.35	0.00	0.00	698.70	
3710.	272.	1058.	2380.	111.	136.	863.	0.	0.	698.80	
0.00	2.44	7.78	2.76	.120	.060	.120	0.000	693.50	960.10	
.008164	0.	0.	0.	0	0	4	0.00	308.76	1268.86	

*SECNO 2320.000

2320.00	6.90	716.40	0.00	0.00	716.58	.17	12.53	.04	711.30	
3710.	2877.	609.	224.	1129.	103.	112.	55.	14.	711.30	
.18	2.55	5.91	2.00	.120	.060	.120	.060	709.50	752.77	
.005139	1960.	1960.	1960.	5	0	0	0.00	299.50	1052.27	

*SECNO 5600.000

3301 HV CHANGED MORE THAN HVINS

5600.00	8.61	742.61	0.00	0.00	744.32	1.71	27.13	.61	737.10	
2900.	169.	1880.	850.	53.	148.	215.	123.	29.	735.20	
.27	3.19	12.71	3.96	.120	.060	.120	.060	734.00	980.72	
.018048	3340.	3340.	3340.	4	0	0	0.00	95.17	1075.89	

CCHV= .500 CEHV= 1.000
 *SECNO 5709.000

3495 OVERHANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 745.80 ELREA= 745.80

5709.00	10.21	743.91	0.00	0.00	745.16	1.25	.61	.23	737.00	
2900.	0.	2900.	0.	0.	323.	0.	123.	29.	737.00	

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

7 EHF

SUMMARY PRINTOUT TABLE 150

SECCO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
360.000	0.00	0.00	0.00	693.50	780.00	700.47	0.00	700.82	81.81	5.83	290.
360.000	0.00	0.00	0.00	693.50	1520.00	701.62	0.00	701.96	82.11	6.58	546.
360.000	0.00	0.00	0.00	693.50	2090.00	702.26	0.00	702.60	82.04	6.97	708.
360.000	0.00	0.00	0.00	693.50	3710.00	703.66	0.00	704.01	81.64	7.78	1117.
2320.000	1960.00	0.00	0.00	709.50	780.00	713.23	0.00	713.30	50.57	3.72	477.
2320.000	1960.00	0.00	0.00	709.50	1520.00	714.28	0.00	714.38	50.07	4.47	727.
2320.000	1960.00	0.00	0.00	709.50	2090.00	714.94	0.00	715.06	50.41	4.92	921.
2320.000	1960.00	0.00	0.00	709.50	3710.00	716.40	0.00	716.58	51.39	5.91	1343.
5660.000	3340.00	0.00	0.00	734.00	610.00	738.40	737.62	739.11	153.53	7.26	115.
5660.000	3340.00	0.00	0.00	734.00	1180.00	739.83	0.00	740.92	170.46	9.38	194.
5660.000	3340.00	0.00	0.00	734.00	1570.00	740.58	0.00	741.87	177.75	10.44	245.
5660.000	3340.00	0.00	0.00	734.00	2900.00	742.61	0.00	744.32	180.48	12.71	415.
5709.000	49.00	0.00	0.00	733.70	610.00	739.44	0.00	739.63	16.40	3.47	175.
5709.000	49.00	0.00	0.00	733.70	1180.00	741.23	0.00	741.62	39.77	5.02	235.
5709.000	49.00	0.00	0.00	733.70	1570.00	742.10	0.00	742.65	49.46	5.96	265.
5709.000	49.00	0.00	0.00	733.70	2900.00	743.91	0.00	745.16	90.60	8.98	323.
5710.000	1.00	748.10	745.80	733.70	610.00	739.54	0.00	739.66	16.91	2.93	215.
5710.000	1.00	748.10	745.80	733.70	1180.00	741.58	0.00	741.74	13.70	3.26	365.
5710.000	1.00	748.10	745.80	733.70	1570.00	742.67	0.00	742.84	12.04	3.35	465.
5710.000	1.00	748.10	745.80	733.70	2900.00	745.42	0.00	745.66	12.33	3.15	764.
5730.000	20.00	748.10	745.80	733.70	610.00	739.57	0.00	739.70	16.32	2.89	218.
5730.000	20.00	748.10	745.80	733.70	1180.00	741.61	0.00	741.77	13.45	3.24	368.
5730.000	20.00	748.10	745.80	733.70	1570.00	742.69	0.00	742.87	11.90	3.33	467.
5730.000	20.00	748.10	745.80	733.70	2900.00	745.45	0.00	745.69	12.22	3.14	766.
5731.000	1.00	0.00	0.00	733.70	610.00	739.58	0.00	739.75	24.43	3.39	180.
5731.000	1.00	0.00	0.00	733.70	1180.00	741.61	0.00	741.96	34.00	4.77	247.
5731.000	1.00	0.00	0.00	733.70	1570.00	742.70	0.00	743.17	39.71	5.55	283.
5731.000	1.00	0.00	0.00	733.70	2900.00	745.45	0.00	746.39	58.20	7.75	374.
5740.000	9.00	0.00	0.00	733.70	610.00	739.63	0.00	739.79	19.85	3.21	221.
5740.000	9.00	0.00	0.00	733.70	1180.00	741.81	0.00	742.05	21.03	4.12	385.
5740.000	9.00	0.00	0.00	733.70	1570.00	743.03	0.00	743.30	20.74	4.52	501.
5740.000	9.00	0.00	0.00	733.70	2900.00	746.39	0.00	746.72	18.40	5.26	908.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
360.000	780.00	700.47	0.00	0.00	.47	191.01	0.00
360.000	1520.00	701.62	0.00	0.00	-.38	243.63	0.00
360.000	2090.00	702.26	0.00	0.00	-.74	264.02	0.00
360.000	3710.00	703.66	1.40	0.00	-1.34	308.76	0.00
2320.000	780.00	713.23	0.00	12.76	0.00	245.30	1960.00
2320.000	1520.00	714.28	0.00	12.66	0.00	263.36	1960.00
2320.000	2090.00	714.94	0.00	12.68	0.00	274.39	1960.00
2320.000	3710.00	716.40	1.47	12.74	0.00	299.50	1960.00
5660.000	610.00	738.40	0.00	25.17	0.00	47.53	3340.00
5660.000	1180.00	739.83	0.00	25.55	0.00	63.75	3340.00
5660.000	1570.00	740.58	0.00	25.64	0.00	72.18	3340.00
5660.000	2900.00	742.61	2.03	26.21	0.00	95.17	3340.00
5709.000	610.00	739.44	0.00	1.05	0.00	33.00	49.00
5709.000	1180.00	741.23	0.00	1.40	0.00	33.00	49.00
5709.000	1570.00	742.10	0.00	1.52	0.00	33.00	49.00
5709.000	2900.00	743.91	1.80	1.29	0.00	33.00	49.00
5710.000	610.00	739.54	0.00	.09	0.00	61.92	1.00
5710.000	1180.00	741.58	0.00	.35	0.00	85.22	1.00
5710.000	1570.00	742.67	0.00	.56	0.00	97.66	1.00
5710.000	2900.00	745.42	2.76	1.52	0.00	128.99	1.00
5730.000	610.00	739.57	0.00	.04	0.00	62.41	20.00
5730.000	1180.00	741.61	0.00	.03	0.00	85.54	20.00
5730.000	1570.00	742.69	0.00	.03	0.00	97.89	20.00
5730.000	2900.00	745.45	2.76	.03	0.00	129.32	20.00
5731.000	610.00	739.58	0.00	.00	0.00	33.00	1.00
5731.000	1180.00	741.61	0.00	.00	0.00	33.00	1.00
5731.000	1570.00	742.70	0.00	.00	0.00	33.00	1.00
5731.000	2900.00	745.45	2.76	.00	0.00	33.00	1.00
5740.000	610.00	739.63	0.00	.06	0.00	63.02	9.00
5740.000	1180.00	741.81	0.00	.20	0.00	87.05	9.00
5740.000	1570.00	743.03	0.00	.33	0.00	101.75	9.00
5740.000	2900.00	746.39	3.36	.94	0.00	141.32	9.00

SUMMARY OF ERRORS

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THIS RUN EXECUTED 22 APR 77 13.25

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY
 T2 FIA STUDY-RICH FORK(YADKIN-PEEDEE BASIN),PAYNE CR,TRIB 2 (STREAM NO. 97)
 T3 FEB 1977 DLO

J1	ICHECK	INO	NINV	IDR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	.005000	0.00	0.0	0.	751.000	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	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	4.000	620.000	1070.000	1290.000	2240.000	0.000	0.000	0.000	0.000	0.000
X1	5600.000	17.000	500.000	518.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	786.800	400.000	776.200	438.000	764.800	450.000	751.700	475.000	749.500	500.000
GR	747.100	501.000	747.100	502.000	743.100	512.000	749.600	518.000	749.500	550.000
GR	750.200	600.000	749.100	650.000	749.000	700.000	750.100	750.000	754.600	800.000
GR	755.800	850.000	756.600	900.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	8000.000	12.000	500.000	525.000	2400.000	2400.000	2400.000	0.000	0.000	0.000
GR	781.600	400.000	778.600	416.000	765.200	473.000	762.500	500.000	758.200	501.000
GR	757.800	510.000	757.700	517.000	762.600	525.000	761.900	575.000	763.600	600.000
GR	772.200	700.000	776.900	735.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	8100.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	8200.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	8300.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	8400.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	8500.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.000	0.000
X1	9760.000	12.000	500.000	517.000	1260.000	1260.000	1260.000	0.000	0.000	0.000
GR	793.000	345.000	789.100	400.000	782.000	450.000	777.900	500.000	774.800	504.000
GR	774.200	500.000	774.500	515.000	777.000	517.000	778.800	529.000	781.500	558.000
GR	791.100	600.000	796.300	625.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	11765.000	10.000	769.000	814.000	2005.000	2005.000	2005.000	0.000	0.000	0.000
GR	822.400	565.000	822.900	600.000	814.000	700.000	809.700	725.000	797.600	769.000

GR	795.600	775.000	795.100	793.000	795.200	800.500	798.200	814.000	799.700	900.000
GR	804.100	930.000	809.900	957.000	811.300	985.000	812.000	1000.000	812.000	1015.000
GR	816.800	1038.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	11815.000	7.000	780.000	794.100	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	828.000	600.000	799.000	780.000	795.900	780.100	795.900	794.000	798.000	794.100
GR	800.000	890.000	816.000	1040.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	.900	1.500	2.500	0.000	10.750	.300	78.400	0.000	795.900	795.900

X1	11865.000	20.000	520.000	533.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	797.000	813.900	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	20.000	166.000	819.900	0.000	200.000	816.500	0.000	285.000	811.900	0.000
BT	300.000	811.000	0.000	400.000	809.800	0.000	500.000	808.900	0.000	501.000
BT	813.900	808.900	520.000	813.900	808.900	520.000	813.900	797.000	521.000	813.900
BT	801.000	524.000	813.900	803.000	526.000	813.900	803.400	527.000	813.900	803.400
BT	520.000	813.900	803.000	532.000	813.900	801.000	533.000	813.900	797.000	533.000
BT	813.900	808.900	554.000	813.900	808.900	555.000	808.900	0.000	700.000	819.200
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	819.900	166.000	816.500	200.000	811.900	285.000	811.600	300.000	809.800	400.000
GR	808.900	500.000	808.900	501.000	808.900	520.000	795.900	520.000	795.900	521.000
GR	795.900	524.000	795.900	526.000	795.900	527.000	795.900	529.000	795.900	532.000
GR	795.900	533.000	808.900	533.000	808.900	554.000	808.900	555.000	819.200	700.000

X1	11915.000	9.000	500.000	540.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	820.000	700.000	807.800	462.000	801.500	500.000	797.200	520.000	796.900	526.000
GR	797.200	531.000	803.500	540.000	804.400	600.000	820.000	700.000	0.000	0.000

X1	12215.000	0.000	0.000	0.000	300.000	300.000	300.000	0.000	3.000	0.000
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X1	12315.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.500	0.000
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X1	12415.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.500	0.000
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X1	12515.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	1.500	0.000
BT	4.000	620.000	1050.000	1250.000	1020.000	0.000	0.000	0.000	0.000	0.000

X1	13125.000	19.000	479.000	496.000	610.000	610.000	610.000	0.000	0.000	0.000
GR	840.200	200.000	835.700	300.000	833.900	325.000	829.800	400.000	829.000	432.000
GR	811.400	479.000	811.000	485.000	811.200	490.000	817.900	500.000	824.200	514.000
GR	824.200	521.000	824.200	522.000	824.200	536.000	824.200	550.000	824.200	552.000
GR	825.200	600.000	828.900	700.000	834.800	800.000	840.200	900.000	0.000	0.000

X1	13175.000	7.000	500.000	513.000	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	840.000	200.000	824.400	500.000	810.500	500.100	810.500	517.900	824.200	513.000
GR	825.000	600.000	833.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	13.000	1.000	96.000	0.000	0.000	0.000

X1	13305.000	11.000	500.000	513.000	130.000	130.000	130.000	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	11.000	200.000	844.300	0.000	300.000	839.000	0.000	400.000	834.000	0.000
BT	500.000	830.700	0.000	500.000	830.700	818.400	513.000	830.500	818.400	513.000
BT	830.500	0.000	600.000	829.300	0.000	700.000	830.300	0.000	800.000	833.200

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

FEB 1977 DLO
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CHWS	EG	10K+S	VCH	ARFA
5600.000	0.00	0.00	0.00	747.10	620.00	751.05	0.00	751.12	50.46	3.45	426.
5600.000	0.00	0.00	0.00	747.10	1070.00	751.74	0.00	751.82	50.07	3.94	622.
5600.000	0.00	0.00	0.00	747.10	1290.00	752.02	0.00	752.11	50.05	4.13	705.
5600.000	0.00	0.00	0.00	747.10	2240.00	753.06	0.00	753.17	49.21	4.78	1021.
8000.000	2400.00	0.00	0.00	757.70	620.00	763.45	0.00	763.74	54.04	4.57	201.
8000.000	2400.00	0.00	0.00	757.70	1070.00	764.54	0.00	764.90	58.47	5.46	331.
8000.000	2400.00	0.00	0.00	757.70	1290.00	764.97	0.00	765.34	59.94	5.79	388.
8000.000	2400.00	0.00	0.00	757.70	2240.00	766.36	0.00	766.83	65.07	6.90	602.
8100.000	100.00	0.00	0.00	758.70	620.00	764.04	0.00	764.45	82.17	5.30	156.
8100.000	100.00	0.00	0.00	758.70	1070.00	765.16	0.00	765.63	82.09	6.18	282.
8100.000	100.00	0.00	0.00	758.70	1290.00	765.59	0.00	766.09	81.63	6.48	337.
8100.000	100.00	0.00	0.00	758.70	2240.00	767.03	0.00	767.60	81.58	7.50	548.
8200.000	100.00	0.00	0.00	759.70	620.00	764.89	0.00	765.35	95.74	5.60	144.
8200.000	100.00	0.00	0.00	759.70	1070.00	766.00	0.00	766.54	94.81	6.51	263.
8200.000	100.00	0.00	0.00	759.70	1290.00	766.43	0.00	766.99	93.97	6.83	316.
8200.000	100.00	0.00	0.00	759.70	2240.00	767.86	0.00	768.49	92.05	7.84	521.
8300.000	100.00	0.00	0.00	760.70	620.00	765.86	0.00	766.33	99.21	5.66	141.
8300.000	100.00	0.00	0.00	760.70	1070.00	766.96	0.00	767.52	98.83	6.61	298.
8300.000	100.00	0.00	0.00	760.70	1290.00	767.37	0.00	767.96	98.40	6.94	309.
8300.000	100.00	0.00	0.00	760.70	2240.00	768.78	0.00	769.44	96.99	7.99	509.
8400.000	100.00	0.00	0.00	761.70	620.00	766.86	0.00	767.33	100.59	5.69	140.
8400.000	100.00	0.00	0.00	761.70	1070.00	767.95	0.00	768.51	99.75	6.63	256.
8400.000	100.00	0.00	0.00	761.70	1290.00	768.36	0.00	768.95	99.60	6.97	307.
8400.000	100.00	0.00	0.00	761.70	2240.00	769.75	0.00	770.43	98.93	8.05	505.
8500.000	100.00	0.00	0.00	762.70	620.00	767.86	0.00	768.34	99.77	5.68	141.
8500.000	100.00	0.00	0.00	762.70	1070.00	768.95	0.00	769.51	100.43	6.65	256.
8500.000	100.00	0.00	0.00	762.70	1290.00	769.36	0.00	769.95	100.49	7.00	306.
8500.000	100.00	0.00	0.00	762.70	2240.00	770.75	0.00	771.43	99.98	8.08	503.
9760.000	1260.00	0.00	0.00	774.20	620.00	779.96	0.00	780.51	93.10	6.37	141.
9760.000	1260.00	0.00	0.00	774.20	1070.00	781.25	0.00	781.92	95.96	7.55	247.
9760.000	1260.00	0.00	0.00	774.20	1290.00	781.73	0.00	782.45	97.10	7.98	295.
9760.000	1260.00	0.00	0.00	774.20	2240.00	783.25	0.00	784.08	99.94	9.27	471.

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CWSEL	CKIWS	EG	10K+S	VCH	AREA
11765.000	2005.00	0.00	0.00	795.10	620.00	798.85	0.00	799.19	92.81	4.76	142.
11765.000	2005.00	0.00	0.00	795.10	1070.00	799.84	0.00	800.29	87.15	5.64	259.
11765.000	2005.00	0.00	0.00	795.10	1290.00	800.22	0.00	800.70	85.07	5.93	312.
11765.000	2005.00	0.00	0.00	795.10	2240.00	801.92	0.00	802.10	80.80	6.91	508.
* 11815.000	50.00	0.00	0.00	795.90	620.00	799.92	799.92	800.65	243.74	7.96	147.
* 11815.000	50.00	0.00	0.00	795.90	1070.00	800.60	800.60	801.45	275.32	9.40	229.
* 11815.000	50.00	0.00	0.00	795.90	1290.00	800.94	800.94	801.77	263.31	9.62	272.
11815.000	50.00	0.00	0.00	795.90	2240.00	801.99	0.00	802.91	266.23	10.97	416.
* 11865.000	50.00	813.90	797.00	795.90	620.00	800.09	800.02	802.10	606.46	11.38	54.
11865.000	50.00	813.90	797.00	795.90	1070.00	802.62	0.00	804.94	496.12	12.24	87.
11865.000	50.00	813.90	797.00	795.90	1290.00	805.63	0.00	807.24	276.14	10.19	126.
11865.000	50.00	813.90	797.00	795.90	2240.00	807.74	0.00	811.03	510.25	14.55	153.
11915.000	50.00	0.00	0.00	796.90	620.00	802.77	0.00	803.02	45.84	4.03	158.
11915.000	50.00	0.00	0.00	796.90	1070.00	805.44	0.00	805.66	21.85	3.87	345.
11915.000	50.00	0.00	0.00	796.90	1290.00	807.55	0.00	807.60	9.92	3.15	615.
11915.000	50.00	0.00	0.00	796.90	2240.00	811.66	0.00	811.75	4.90	2.87	1440.
12215.000	300.00	0.00	0.00	799.90	620.00	804.73	0.00	805.19	118.50	5.46	113.
12215.000	300.00	0.00	0.00	799.90	1070.00	806.40	0.00	806.94	84.20	5.93	189.
12215.000	300.00	0.00	0.00	799.90	1290.00	807.94	0.00	808.33	43.18	5.16	294.
12215.000	300.00	0.00	0.00	799.90	2240.00	811.82	0.00	812.05	16.06	4.39	819.
12315.000	100.00	0.00	0.00	801.40	620.00	806.01	0.00	806.55	148.72	5.87	105.
12315.000	100.00	0.00	0.00	801.40	1070.00	807.33	0.00	808.05	129.58	6.83	161.
12315.000	100.00	0.00	0.00	801.40	1290.00	808.39	0.00	809.02	85.89	6.40	216.
12315.000	100.00	0.00	0.00	801.40	2240.00	811.93	0.00	812.35	31.95	5.59	597.
12415.000	100.00	0.00	0.00	802.90	620.00	807.50	0.00	808.04	150.22	5.89	105.
12415.000	100.00	0.00	0.00	802.90	1070.00	808.67	0.00	809.45	147.49	7.13	153.
12415.000	100.00	0.00	0.00	802.90	1290.00	809.32	0.00	810.14	129.74	7.29	185.
12415.000	100.00	0.00	0.00	802.90	2240.00	812.19	0.00	812.89	62.09	7.03	431.
12515.000	100.00	0.00	0.00	804.40	620.00	809.01	0.00	809.54	150.25	5.89	105.
12515.000	100.00	0.00	0.00	804.40	1070.00	810.15	0.00	810.94	149.75	7.16	152.
12515.000	100.00	0.00	0.00	804.40	1290.00	810.65	0.00	811.54	146.51	7.59	176.
12515.000	100.00	0.00	0.00	804.40	2240.00	812.79	0.00	813.81	104.45	8.34	330.
13125.000	610.00	0.00	0.00	811.00	620.00	816.63	0.00	817.44	100.74	8.05	118.
13125.000	610.00	0.00	0.00	811.00	1050.00	818.15	0.00	819.32	121.73	9.99	173.
13125.000	610.00	0.00	0.00	811.00	1250.00	818.71	0.00	820.03	126.78	10.73	196.
13125.000	610.00	0.00	0.00	811.00	1820.00	819.82	0.00	821.66	154.19	12.96	246.
13175.000	50.00	0.00	0.00	810.50	620.00	817.33	0.00	818.11	164.33	7.06	87.
13175.000	50.00	0.00	0.00	810.50	1050.00	818.84	0.00	820.33	270.93	9.80	107.
13175.000	50.00	0.00	0.00	810.50	1250.00	819.35	0.00	821.22	339.11	10.98	113.
13175.000	50.00	0.00	0.00	810.50	1820.00	820.30	0.00	823.53	553.37	14.42	126.
13305.000	130.00	829.30	818.40	810.40	620.00	817.60	0.00	818.28	139.04	6.62	93.
13305.000	130.00	829.30	818.40	810.40	1050.00	820.66	0.00	821.62	160.11	7.87	133.
13305.000	130.00	829.30	818.40	810.40	1250.00	822.29	0.00	823.30	157.34	8.09	154.
13305.000	130.00	829.30	818.40	810.40	1820.00	827.65	0.00	828.68	135.39	8.11	224.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
13355.000	50.00	0.00	0.00	810.70	620.00	818.53	0.00	818.59	17.51	2.73	474.
13355.000	50.00	0.00	0.00	810.70	1050.00	821.84	0.00	821.86	3.03	1.60	1413.
13355.000	50.00	0.00	0.00	810.70	1250.00	823.52	0.00	823.53	1.68	1.35	1967.
13355.000	50.00	0.00	0.00	810.70	1820.00	828.88	0.00	828.89	.46	.94	4015.

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLGH
5600.000	620.00	751.05	0.00	0.00	.05	278.23	0.00
5600.000	1070.00	751.74	0.00	0.00	-.26	293.27	0.00
5600.000	1290.00	752.02	0.00	0.00	-.48	296.94	0.00
5600.000	2240.00	753.06	1.04	0.00	-.44	310.46	0.00
8000.000	620.00	763.45	0.00	12.40	0.00	107.39	2400.00
8000.000	1070.00	764.54	0.00	12.01	0.00	131.41	2400.00
8000.000	1290.00	764.97	0.00	12.95	0.00	140.54	2400.00
8000.000	2240.00	766.36	1.40	13.30	0.00	164.05	2400.00
8100.000	620.00	764.04	0.00	.59	0.00	97.19	100.00
8100.000	1070.00	765.16	0.00	.61	0.00	123.08	100.00
8100.000	1290.00	765.59	0.00	.63	0.00	132.43	100.00
8100.000	2240.00	767.03	1.44	.67	0.00	158.74	100.00
8200.000	620.00	764.89	0.00	.85	0.00	93.57	100.00
8200.000	1070.00	766.00	0.00	.84	0.00	119.69	100.00
8200.000	1290.00	766.43	0.00	.84	0.00	128.89	100.00
8200.000	2240.00	767.86	1.43	.83	0.00	156.01	100.00
8300.000	620.00	765.86	0.00	.97	0.00	92.73	100.00
8300.000	1070.00	766.96	0.00	.96	0.00	118.73	100.00
8300.000	1290.00	767.37	0.00	.95	0.00	127.75	100.00
8300.000	2240.00	768.78	1.41	.93	0.00	154.85	100.00
8400.000	620.00	766.86	0.00	1.00	0.00	92.41	100.00
8400.000	1070.00	767.95	0.00	.99	0.00	118.52	100.00
8400.000	1290.00	768.36	0.00	.99	0.00	127.45	100.00
8400.000	2240.00	769.75	1.39	.97	0.00	154.42	100.00
8500.000	620.00	767.86	0.00	1.01	0.00	92.60	100.00
8500.000	1070.00	768.95	0.00	1.00	0.00	118.56	100.00
8500.000	1290.00	769.36	0.00	1.00	0.00	127.23	100.00
8500.000	2240.00	770.75	1.39	.99	0.00	154.16	100.00
9760.000	620.00	779.96	0.00	12.10	0.00	66.61	1260.00
9760.000	1070.00	781.25	0.00	12.30	0.00	96.24	1260.00
9760.000	1290.00	781.73	0.00	12.37	0.00	105.73	1260.00
9760.000	2240.00	783.25	1.52	12.51	0.00	124.49	1260.00
11765.000	620.00	798.85	0.00	18.89	0.00	86.28	2005.00
11765.000	1070.00	799.04	0.00	18.59	0.00	140.11	2005.00
11765.000	1290.00	800.22	0.00	18.49	0.00	144.04	2005.00
11765.000	2240.00	801.52	1.30	18.27	0.00	157.65	2005.00
* 11815.000	620.00	799.92	0.00	1.08	0.00	112.08	50.00
* 11815.000	1070.00	800.60	0.00	.76	0.00	125.63	50.00
* 11815.000	1290.00	800.04	0.00	.72	0.00	130.84	50.00
* 11815.000	2240.00	801.99	1.05	.47	0.00	147.03	50.00
* 11865.000	620.00	800.09	0.00	.17	0.00	13.00	50.00
* 11865.000	1070.00	802.62	0.00	2.01	0.00	13.00	50.00
* 11865.000	1290.00	805.63	0.00	4.69	0.00	13.00	50.00
* 11865.000	2240.00	807.74	2.11	5.75	0.00	13.00	50.00

SECNO	Q	CHSEL	DIFMSP	DIFMSX	DIFMWS	TOPMIN	XLGH
11915.000	620.00	802.77	0.00	2.68	0.00	46.57	50.00
11915.000	1070.00	805.44	0.00	2.83	0.00	103.81	50.00
11915.000	1290.00	807.55	0.00	1.92	0.00	144.96	50.00
11915.000	2240.00	811.66	4.11	3.92	0.00	259.75	50.00
12215.000	620.00	804.73	0.00	1.96	0.00	38.81	300.00
12215.000	1070.00	806.40	0.00	.96	0.00	51.32	300.00
12215.000	1290.00	807.94	0.00	.38	0.00	90.28	300.00
12215.000	2240.00	811.82	3.88	.15	0.00	177.89	300.00
12315.000	620.00	806.01	0.00	1.28	0.00	37.24	100.00
12315.000	1070.00	807.33	0.00	.92	0.00	47.06	100.00
12315.000	1290.00	808.39	0.00	.45	0.00	62.47	100.00
12315.000	2240.00	811.93	3.54	.11	0.00	143.23	100.00
12415.000	620.00	807.50	0.00	1.49	0.00	37.17	100.00
12415.000	1070.00	808.67	0.00	1.34	0.00	45.86	100.00
12415.000	1290.00	809.32	0.00	.93	0.00	50.72	100.00
12415.000	2240.00	812.19	2.67	.26	0.00	124.01	100.00
12515.000	620.00	809.01	0.00	1.50	0.00	37.17	100.00
12515.000	1070.00	810.15	0.00	1.48	0.00	45.75	100.00
12515.000	1290.00	810.65	0.00	1.34	0.00	49.49	100.00
12515.000	2240.00	812.79	2.14	.60	0.00	99.91	100.00
13125.000	620.00	816.63	0.00	7.62	0.00	33.07	610.00
13125.000	1050.00	818.15	0.00	8.00	0.00	39.59	610.00
13125.000	1250.00	818.71	0.00	8.05	0.00	42.51	610.00
13125.000	1820.00	819.82	1.11	7.02	0.00	47.74	610.00
13175.000	620.00	817.33	0.00	.70	0.00	12.90	50.00
13175.000	1050.00	818.84	0.00	.69	0.00	12.92	50.00
13175.000	1250.00	819.35	0.00	.64	0.00	12.93	50.00
13175.000	1820.00	820.30	.75	.49	0.00	12.94	50.00
13305.000	620.00	817.60	0.00	.27	0.00	15.00	150.00
13305.000	1050.00	820.66	0.00	1.82	0.00	13.00	150.00
13305.000	1250.00	822.29	0.00	2.93	0.00	13.00	150.00
13305.000	1820.00	827.65	5.37	7.35	0.00	13.00	150.00
13355.000	620.00	818.53	0.00	.93	0.00	218.47	50.00
13355.000	1050.00	821.84	0.00	1.18	0.00	314.54	50.00
13355.000	1250.00	823.52	0.00	1.23	0.00	343.80	50.00
13355.000	1820.00	828.88	5.36	1.23	0.00	416.41	50.00

SUMMARY OF ERRORS

CAUTION SECNO=11815.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11815.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11815.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE HSEL
CAUTION SECNO=11815.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11815.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11815.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE HSEL
CAUTION SECNO=11815.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11815.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11865.000 PROFILE= 1 HSEL ASSUMED BASED ON MIN DIFF

DISCHARGES BELOW 15 BR (HA-165)
 TO REFLECT ROUTING. BLD
 2/7/77

THIS RUN EXECUTED 06 SEP 77 11.24

No. 27
 C-100

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ** 10 YR FREQUENCY FLOOD **
 T2 STREAM NO 27
 T3 PROGRAM 722-02Z LWR FEB 1977

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	6.	0.	0.	.007000	0.00	0.0	0.	776.000	0.000
J2	NPROF	IPL0T	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	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	150.000	201.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	.000	.000	.000	.000	.000
QT	7.000	565.000	565.000	565.000	565.000	455.000	525.000	675.000	0.000	0.000
ET	0.000	0.000	7.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	75.000	14.000	1000.000	1020.000	0.000	0.000	0.000	0.000	0.000	-.200
GR	800.000	400.000	798.000	550.000	794.000	600.000	790.000	690.000	784.000	750.000
GR	783.400	800.000	776.000	900.000	771.800	1000.000	766.100	1005.000	766.200	1015.000
GR	771.500	1020.000	772.000	1100.000	780.500	1200.000	789.600	1300.000	0.000	0.000
X1	100.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	.200	0.000
ET	0.000	0.000	7.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	150.000	10.000	1000.000	1018.000	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	770.800	770.800	0.000
GR	797.400	600.000	783.400	800.000	776.000	900.000	771.800	1000.000	766.800	1001.000
GR	766.800	1017.000	771.500	1018.000	772.000	1100.000	780.500	1200.000	789.600	1300.000
SB	1.250	1.500	3.000	0.000	12.000	4.000	24.000	0.000	766.800	766.800
X1	253.000	12.000	1003.000	1015.000	103.000	103.000	103.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	770.800	799.100	0.000	0.000	0.000	0.000	0.000
X5	4.000	0.000	0.000	0.000	784.800	781.300	784.700	793.500	0.000	0.000
BT	12.000	400.000	800.000	800.000	700.000	797.100	791.200	800.000	797.700	783.400
BT	900.000	798.400	776.000	1003.000	799.100	766.800	1004.000	799.100	770.800	1014.000
BT	799.100	770.800	1015.000	799.100	766.800	1100.000	800.000	772.000	1200.000	801.100
BT	780.500	1300.000	802.100	789.600	1500.000	803.000	803.000	0.000	0.000	0.000
GR	800.000	400.000	791.200	700.000	783.400	800.000	776.000	900.000	766.800	1003.000
GR	766.800	1004.000	766.800	1014.000	766.800	1015.000	772.000	1100.000	780.500	1200.000
GR	789.600	1300.000	803.000	1500.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	1470.000	1470.000	1470.000	1470.000	715.000	1205.000	2400.000	0.000	0.000

X1	305,000	21,000	1000,000	1027,000	52,000	52,000	52,000	0,000	0,000	0,000
GR	810,000	400,000	800,000	500,000	796,000	600,000	790,000	640,000	790,000	690,000
GR	784,000	740,000	780,000	780,000	774,000	890,000	772,000	960,000	771,900	1000,000
GR	767,400	1006,000	767,600	1015,000	772,300	1027,000	774,000	1040,000	778,000	1100,000
GR	790,000	1200,000	792,000	1240,000	794,000	1290,000	798,000	1340,000	800,000	1400,000
GR	810,000	1600,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	825,000	17,000	1000,000	1035,000	520,000	520,000	520,000	0,000	0,000	0,000
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	770,900	1013,000	770,700	1022,000
GR	778,700	1035,000	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000
GR	793,100	1500,000	800,000	1700,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	875,000	21,000	1010,000	1026,000	50,000	50,000	50,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,900	0,000	0,000	778,500	778,500	0,000
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,400
GR	771,600	1012,100	771,600	1023,900	773,700	1025,900	776,500	1026,000	778,700	1035,000
GR	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000	793,100	1500,000
GR	800,000	1700,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
NC	.030	.030	.024	.200	.400	0,000	0,000	0,000	0,000	0,000

X1	876,000	27,000	1010,000	1026,000	1,000	1,000	1,000	0,000	0,000	0,000
BT	23,000	350,000	800,000	800,000	400,000	796,200	795,100	500,000	789,600	787,700
BT	600,000	785,100	781,700	700,000	782,400	781,000	800,000	781,200	780,700	900,000
BT	780,800	780,500	1000,000	781,300	779,300	1010,000	781,300	776,500	1012,100	781,300
BT	779,300	1014,900	781,300	778,500	1016,900	781,300	776,500	1019,100	781,300	776,500
BT	1021,100	781,300	778,500	1023,900	781,300	778,500	1026,000	781,300	776,500	1035,000
BT	781,300	778,700	1100,000	782,200	780,600	1200,000	783,600	782,700	1300,000	785,800
BT	785,800	1400,000	789,600	788,200	1500,000	794,600	793,100	1700,000	800,000	800,000
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,000
GR	771,600	1012,100	771,600	1014,900	773,700	1016,900	776,500	1016,900	776,500	1019,100
GR	773,700	1019,100	771,600	1021,100	771,600	1023,900	773,700	1026,000	776,500	1026,000
GR	778,500	1035,000	780,600	1100,000	782,700	1200,000	785,800	1300,000	778,200	1400,000
GR	793,100	1500,000	800,000	1700,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	926,000	0,000	0,000	0,000	50,000	50,000	50,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
NC	.120	.120	.060	.200	.400	0,000	0,000	0,000	0,000	0,000

X1	927,000	21,000	1010,000	1026,000	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	781,300	781,300	0,000
GR	800,000	350,000	795,100	400,000	787,700	500,000	781,700	600,000	781,000	700,000
GR	780,700	800,000	780,500	900,000	779,300	1000,000	776,500	1010,000	773,700	1010,100
GR	771,600	1012,100	771,600	1023,900	773,700	1025,900	776,500	1026,000	778,700	1035,000
GR	780,600	1100,000	782,700	1200,000	785,800	1300,000	788,200	1400,000	793,100	1500,000
GR	800,000	1700,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	980,000	14,000	1000,000	1033,000	53,000	53,000	53,000	0,000	0,000	0,000
GR	800,000	350,000	790,000	470,000	780,000	580,000	780,000	900,000	780,000	990,000
GR	778,600	1000,000	771,900	1014,000	771,400	1028,000	776,900	1033,000	782,000	1100,000
GR	780,000	1240,000	790,000	1350,000	790,000	1550,000	800,000	1640,000	0,000	0,000
ET	0,000	0,000	15,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	1700,000	27,000	1000,000	1026,000	980,000	980,000	980,000	0,000	0,000	0,000
GR	810,000	340,000	800,000	370,000	806,000	420,000	800,000	530,000	798,000	570,000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ** 50 YR FREQUENCY FLOOD **
 T2 STREAM NO 27
 T3 PROGRAM 722-027 LWR FEB 1977

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	7.	0.	0.	.007000	0.00	0.0	0.	778.000	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= .200 CEHV= .400

*SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	BANK ELEV
G	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
75.00	6.23	772.13	0.00	778.00	772.51	.38	0.00	0.00	771.60
525.	1.	490.	34.	3.	96.	47.	0.	0.	771.30
0.00	.43	5.09	.72	.120	.060	.120	0.000	765.90	987.31
.006968	0.	0.	0.	0	0	7	0.00	116.60	1103.91
*SECNO 100.000									
100.00	6.20	772.30	0.00	0.00	772.69	.39	.18	.00	771.80
525.	1.	492.	32.	3.	96.	45.	0.	0.	771.50
.00	.42	5.14	.70	.120	.060	.120	.058	766.10	987.93
.007159	25.	25.	25.	0	0	0	0.00	115.68	1103.61
*SECNO 150.000									
150.00	5.96	772.76	0.00	0.00	773.01	.25	.29	.03	771.80
525.	6.	445.	74.	11.	102.	86.	0.	0.	771.50
.01	.53	4.34	.86	.120	.060	.120	.058	766.80	977.12
.004918	50.	50.	50.	2	0	0	0.00	131.84	1108.95

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 769.26 ,NOT 772.76 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	3.00	0.00	12.00	4.00	24.00	0.00	766.80	766.80

*SECNO 253.000
 WATER EL=X5 CARD= 784.700

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ** 100 YR FREQUENCY FLOOD **
 T2 STREAM NO 27
 T3 PROGRAM 72202 Z LWR FEB 1977

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	.007000	0.00	0.0	0.	780.000	0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

*PROF 3

CCHV= .200 CEHV= .400
 *SECNO 75.000

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
75.00	6.37	772.27	0.00	780.00	772.65	.38	0.00	0.00	771.60
565.	3.	514.	48.	5.	99.	59.	0.	0.	771.30
0.00	.50	5.20	.82	.120	.060	.120	0.000	765.90	984.07
.006994	0.	0.	0.	0	0	8	0.00	121.45	1105.52

FLOW DISTRIBUTION FOR SECNO= 75.00 CWSEL= 772.27

STA=	984.	1000.	1020.	1100.	1106.
PER Q=	.5	91.0	8.5	.1	
AREA=	5.3	98.9	57.5	1.3	
VEL=	.5	5.2	.8	.4	

*SECNO 100.000

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
100.00	6.34	772.44	0.00	0.00	772.83	.39	.18	.00	771.80
565.	2.	516.	46.	5.	98.	57.	0.	0.	771.50
.00	.49	5.25	.81	.120	.060	.120	.058	766.10	984.67
.007182	25.	25.	25.	0	0	0	0.00	120.55	1105.22

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 772.44

STA=	985.	1000.	1020.	1100.	1105.
PER Q=	.4	91.4	8.1	.1	
AREA=	4.9	98.4	55.5	1.2	
VEL=	.5	5.2	.8	.4	

*SECNO 150.000

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
150.00	6.10	772.90	0.00	0.00	773.16	.25	.29	.03	771.80
565.	9.	464.	93.	15.	105.	100.	0.	0.	771.50

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY ** 500 YR FREQUENCY FLOOD **
 T2 STREAM NO 27
 T3 PROGRAM 72202 Z LWR FEB 1977

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FO
	-10.	8.	0.	0.	.007000	0.00	0.0	0.	782.000	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	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= .200 CEHV= .400

*SECNO 75.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
75.00	6.71	772.61	0.00	782.00	773.00	.39	0.00	0.00	771.60
675.	8.	574.	93.	12.	106.	89.	0.	0.	771.30
0.00	.66	5.43	1.05	.120	.060	.120	0.000	765.90	975.98
.006983	0.	0.	0.	0	0	8	0.00	133.54	1109.52

*SECNO 100.000

100.00	6.68	772.78	0.00	0.00	773.18	.40	.18	.00	771.80
675.	8.	577.	91.	12.	105.	86.	0.	0.	771.50
.00	.65	5.48	1.05	.120	.060	.120	.058	766.10	976.58
.007171	25.	25.	25.	0	0	0	0.00	132.63	1109.22

*SECNO 150.000

150.00	6.45	773.25	0.00	0.00	773.51	.25	.29	.03	771.80
675.	18.	511.	147.	25.	111.	133.	0.	0.	771.50
.01	.70	4.59	1.10	.120	.060	.120	.058	766.80	965.36
.004910	50.	50.	50.	2	0	0	0.00	149.41	1114.76

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 769.71 ,NOT 773.25 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	3.00	0.00	12.00	4.00	24.00	0.00	766.80	766.80

*SECNO 253.000

WATER EL=X5 CARD= 793.500

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

PROGRAM 722-02Z

SUMMARY PRINTOUT

SECNO	CWSEL	EG	FLMIN	ELLC
75.000	771.86	772.22	765.90	0.00
75.000	772.13	772.51	765.90	0.00
75.000	772.27	772.65	765.90	0.00
75.000	772.61	773.00	765.90	0.00
100.000	772.03	772.40	766.10	0.00
100.000	772.30	772.69	766.10	0.00
100.000	772.44	772.83	766.10	0.00
100.000	772.78	773.18	766.10	0.00
150.000	772.47	772.72	766.80	0.00
150.000	772.76	773.01	766.80	0.00
150.000	772.90	773.16	766.80	0.00
150.000	773.25	773.51	766.80	0.00
* 253.000	781.30	781.30	766.80	100000.00
* 253.000	784.70	784.70	766.80	100000.00
* 253.000	786.80	786.80	766.80	100000.00
* 253.000	793.50	793.50	766.80	100000.00
305.000	781.30	781.30	767.40	0.00
305.000	784.70	784.70	767.40	0.00
305.000	786.80	786.80	767.40	0.00
305.000	793.50	793.50	767.40	0.00
825.000	781.31	781.37	770.70	0.00
825.000	784.72	784.73	770.70	0.00
825.000	786.81	786.82	770.70	0.00
825.000	793.51	793.51	770.70	0.00
875.000	781.33	781.43	771.60	0.00
875.000	784.73	784.74	771.60	0.00
875.000	786.82	786.82	771.60	0.00
875.000	793.51	793.51	771.60	0.00
876.000	781.26	781.48	771.60	800.00
876.000	784.73	784.74	771.60	800.00
876.000	786.82	786.82	771.60	800.00
876.000	793.51	793.51	771.60	800.00

SECNO	CWSEL	EG	ELMIN	ELLC
926.000	781.50	781.61	771.60	800.00
926.000	784.73	784.74	771.60	800.00
926.000	786.82	786.82	771.60	800.00
926.000	793.51	793.51	771.60	800.00
927.000	781.55	781.62	771.60	0.00
927.000	784.73	784.74	771.60	0.00
927.000	786.82	786.82	771.60	0.00
927.000	793.51	793.51	771.60	0.00
980.000	781.63	781.65	771.40	0.00
980.000	784.74	784.74	771.40	0.00
980.000	786.82	786.82	771.40	0.00
980.000	793.51	793.51	771.40	0.00
1700.000	782.03	782.09	772.20	0.00
1700.000	784.85	784.88	772.20	0.00
1700.000	786.88	786.89	772.20	0.00
1700.000	793.52	793.53	772.20	0.00
1800.000	782.10	782.23	774.50	0.00
1800.000	784.88	784.94	774.50	0.00
1800.000	786.89	786.92	774.50	0.00
1800.000	793.52	793.53	774.50	0.00
1900.000	782.16	782.82	777.00	0.00
1900.000	784.94	785.09	777.00	0.00
1900.000	786.92	786.99	777.00	0.00
1900.000	793.53	793.54	777.00	0.00
2050.000	784.49	785.23	779.80	0.00
2050.000	785.34	786.09	779.80	0.00
2050.000	787.10	787.37	779.80	0.00
2050.000	793.55	793.56	779.80	0.00
2125.000	785.84	786.61	781.30	0.00
2125.000	786.56	787.56	781.30	0.00
2125.000	787.32	788.28	781.30	0.00
2125.000	793.55	793.58	781.30	0.00
2200.000	787.31	788.13	783.00	0.00
2200.000	788.23	789.05	783.00	0.00
2200.000	788.74	789.72	783.00	0.00
2200.000	793.57	793.65	783.00	0.00
2325.000	789.87	790.57	785.40	0.00
2325.000	790.55	791.44	785.40	0.00
2325.000	791.22	792.14	785.40	0.00
2325.000	793.68	793.94	785.40	0.00
2450.000	792.23	792.98	787.70	0.00
2450.000	793.09	793.85	787.70	0.00
2450.000	793.64	794.49	787.70	0.00
2450.000	794.25	795.14	787.70	0.00

SECNO	CWSEL	EG	ELMIN	ELLC
2600.000	795.69	796.07	791.60	0.00
2600.000	796.29	796.75	791.60	0.00
2600.000	796.87	797.36	791.60	0.00
2600.000	797.40	797.96	791.60	0.00
2700.000	797.65	798.04	793.60	0.00
2700.000	798.27	798.74	793.60	0.00
2700.000	798.78	799.32	793.60	0.00
2700.000	799.30	799.91	793.60	0.00
3975.000	808.05	808.24	801.80	0.00
3975.000	809.10	809.32	801.80	0.00
3975.000	809.95	810.19	801.80	0.00
3975.000	810.77	811.04	801.80	0.00
4025.000	808.24	808.49	801.90	0.00
4025.000	809.30	809.59	801.90	0.00
4025.000	810.15	810.47	801.90	0.00
4025.000	810.98	811.33	801.90	0.00
* 4026.000	810.01	810.75	801.90	840.00
* 4026.000	810.66	811.28	801.90	840.00
* 4026.000	811.00	811.67	801.90	840.00
* 4026.000	811.32	812.04	801.90	840.00
4096.000	811.01	811.14	801.90	840.00
4096.000	811.50	811.66	801.90	840.00
4096.000	811.88	812.06	801.90	840.00
4096.000	812.23	812.45	801.90	840.00
4097.000	811.13	811.16	801.90	0.00
4097.000	811.61	811.68	801.90	0.00
4097.000	811.97	812.08	801.90	0.00
4097.000	812.29	812.46	801.90	0.00
4150.000	811.15	811.22	802.40	0.00
4150.000	811.66	811.78	802.40	0.00
4150.000	812.05	812.22	802.40	0.00
4150.000	812.41	812.64	802.40	0.00

PROGRAM 722-02Z

SUMMARY PRINTOUT

SECNO	CWSEL	QLOB	OCH	OROB	VLOB	VCH	VROB
75.000	771.86	.21	443.02	11.77	.26	4.88	.47
75.000	772.13	1.45	489.73	33.83	.43	5.09	.72
75.000	772.27	2.66	514.03	48.31	.50	5.20	.82
75.000	772.61	7.94	573.82	93.24	.66	5.43	1.05
100.000	772.03	.16	444.58	10.25	.25	4.93	.45
100.000	772.30	1.28	491.95	31.77	.42	5.14	.70
100.000	772.44	2.43	516.47	46.10	.49	5.25	.81
100.000	772.78	7.52	576.84	90.64	.65	5.48	1.05
150.000	772.47	2.24	410.94	41.82	.42	4.23	.69
150.000	772.76	5.86	445.05	74.09	.53	4.34	.86
150.000	772.90	8.50	463.50	93.00	.58	4.41	.93
150.000	773.25	17.68	510.81	146.51	.70	4.59	1.10
* 253.000	781.30	165.70	67.88	221.42	.14	.39	.15
* 253.000	784.70	202.08	65.02	257.90	.11	.30	.12
* 253.000	786.80	224.48	63.43	277.09	.09	.26	.10
* 253.000	793.50	286.50	58.59	329.91	.07	.18	.07
305.000	781.30	376.22	235.44	103.34	.26	.71	.22
305.000	784.70	670.76	318.30	215.94	.29	.75	.25
305.000	786.80	833.85	350.01	286.14	.29	.73	.25
305.000	793.50	1391.81	441.52	566.68	.27	.67	.24
825.000	781.31	83.44	581.69	49.87	.32	2.23	.42
825.000	784.72	545.93	442.19	216.88	.32	1.16	.31
825.000	786.81	747.85	397.53	324.62	.28	.88	.26
825.000	793.51	1297.81	369.38	732.82	.21	.54	.19
875.000	781.33	151.88	458.33	104.79	.50	3.06	.68
875.000	784.73	662.80	258.48	283.71	.38	1.26	.37
875.000	786.82	862.14	214.83	393.03	.31	.90	.29
875.000	793.51	1410.91	177.43	811.66	.22	.51	.20
876.000	781.26	45.24	366.18	303.58	.91	4.56	3.04
876.000	784.73	681.26	78.25	445.49	.58	.58	.51
876.000	786.82	817.72	57.45	594.83	.39	.34	.35
876.000	793.51	1399.99	50.58	949.43	.25	.18	.21
926.000	781.50	126.85	271.13	317.02	1.14	3.25	2.57
926.000	784.73	681.25	78.09	445.66	.57	.58	.51
926.000	786.82	817.69	57.42	594.89	.39	.34	.35
926.000	793.51	1399.99	50.58	949.43	.25	.18	.21
927.000	781.55	181.48	421.77	111.75	.47	2.73	.62
927.000	784.73	663.00	258.17	283.83	.37	1.26	.37
927.000	786.82	862.16	214.75	393.10	.31	.90	.29
927.000	793.51	1411.05	177.19	811.75	.22	.51	.20
980.000	781.63	210.03	428.89	76.08	.30	1.61	.30
980.000	784.74	596.92	348.36	259.72	.28	.94	.26
980.000	786.82	781.22	325.33	363.45	.25	.74	.23
980.000	793.51	1323.35	328.02	748.63	.20	.50	.17

SECN0	CWSEL	OL0B	QCH	OR0B	VL0B	VCH	VR0B
1700.000	782.03	93.37	474.75	146.88	.59	2.30	.59
1700.000	784.85	250.90	556.50	397.60	.62	1.99	.61
1700.000	786.88	353.57	542.58	573.85	.54	1.63	.53
1700.000	793.52	712.79	536.40	1150.81	.38	1.06	.40
1800.000	782.10	98.67	456.26	160.07	.93	3.67	.93
1800.000	784.88	269.64	490.84	444.52	.88	2.77	.87
1800.000	786.89	368.14	472.40	629.46	.74	2.19	.74
1800.000	793.52	693.98	464.45	1241.57	.48	1.36	.51
1900.000	782.16	9.24	453.89	16.88	1.03	6.70	1.03
1900.000	784.94	109.74	455.25	200.01	1.08	3.96	1.08
1900.000	786.92	213.42	458.73	382.85	.97	3.09	.99
1900.000	793.53	387.12	325.50	687.38	.43	1.25	.47
2050.000	784.49	13.90	443.14	22.95	1.16	7.17	1.16
2050.000	785.34	66.22	596.02	102.76	1.75	7.82	1.85
2050.000	787.10	206.19	572.82	275.99	1.53	5.40	1.61
2050.000	793.55	437.45	324.03	638.52	.55	1.50	.55
2125.000	785.84	18.71	429.10	32.19	1.42	7.44	1.42
2125.000	786.56	54.88	615.72	94.40	1.94	8.91	1.94
2125.000	787.32	111.53	751.65	191.82	2.19	9.23	2.19
2125.000	793.55	362.53	422.37	615.10	.79	2.33	.80
2200.000	787.31	22.03	409.57	48.39	1.69	7.86	1.69
2200.000	788.23	60.70	555.53	148.76	2.03	8.42	2.29
2200.000	788.74	100.85	703.20	250.95	2.40	9.56	2.75
2200.000	793.57	287.32	492.71	619.97	1.15	3.37	1.22
2325.000	789.87	25.13	399.68	55.19	1.61	7.32	1.62
2325.000	790.55	58.38	564.33	142.29	2.09	8.73	2.34
2325.000	791.22	103.30	694.47	257.24	2.35	9.29	2.70
2325.000	793.68	229.19	637.44	533.37	1.72	5.70	1.88
2450.000	792.23	47.17	392.99	39.84	2.10	7.63	1.50
2450.000	793.09	103.37	531.30	130.33	2.52	8.26	2.07
2450.000	793.64	159.25	660.97	234.79	2.88	9.11	2.58
2450.000	794.25	231.25	794.08	374.66	3.15	9.70	2.99
2600.000	795.69	7.85	245.03	227.12	1.27	6.54	2.33
2600.000	796.29	22.53	340.93	401.54	1.66	7.50	2.85
2600.000	796.87	44.29	425.88	584.83	1.92	8.05	3.18
2600.000	797.40	74.85	523.71	801.44	2.19	8.74	3.54
2700.000	797.65	7.55	246.96	225.49	1.28	6.66	2.37
2700.000	798.27	22.17	342.37	400.46	1.67	7.58	2.88
2700.000	798.78	42.08	432.38	580.53	1.98	8.37	3.29
2700.000	799.30	71.88	530.71	797.40	2.25	9.06	3.65
3975.000	808.05	121.99	358.01	0.00	1.33	3.90	0.00
3975.000	809.10	254.90	510.10	0.00	1.67	4.39	0.00
3975.000	809.95	401.27	653.73	0.00	1.93	4.75	0.00
3975.000	810.77	581.88	818.12	0.00	2.17	5.12	0.00

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VRGB
4025.000	808.24	106.35	366.09	7.56	1.24	4.59	.96
4025.000	809.30	253.84	490.84	20.32	1.68	5.25	1.25
4025.000	810.15	418.36	599.82	36.82	1.98	5.74	1.47
4025.000	810.98	622.96	717.47	59.57	2.26	6.22	1.68
* 4026.000	810.01	22.29	418.98	38.73	2.31	7.33	2.31
* 4026.000	810.66	135.22	489.82	139.96	3.49	7.46	3.49
* 4026.000	811.00	260.31	564.42	230.26	4.23	8.06	4.22
* 4026.000	811.32	427.38	634.96	337.65	4.88	8.56	4.87
4096.000	811.01	119.11	255.83	105.36	1.92	3.65	1.92
4096.000	811.50	256.18	317.00	191.82	2.45	4.14	2.45
4096.000	811.88	425.59	356.03	273.38	2.97	4.37	2.77
4096.000	812.23	632.98	398.72	368.30	3.50	4.64	3.10
4097.000	811.13	216.96	241.96	21.08	.76	2.06	.56
4097.000	811.61	361.40	363.97	39.63	1.10	2.95	.76
4097.000	811.97	510.83	480.64	63.53	1.42	3.75	.89
4097.000	812.29	689.32	612.37	98.31	1.78	4.63	1.03
4150.000	811.15	18.70	461.30	0.00	.30	2.17	0.00
4150.000	811.66	68.12	696.88	0.00	.53	2.92	0.00
4150.000	812.05	109.16	915.84	0.00	.76	3.54	0.00
4150.000	812.41	238.03	1161.97	0.00	1.01	4.18	0.00

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
75.000	0.00	0.00	0.00	765.90	455.00	771.86	0.00	772.22	69.23	4.88	116.
75.000	0.00	0.00	0.00	765.90	525.00	772.13	0.00	772.51	69.68	5.09	146.
75.000	0.00	0.00	0.00	765.90	565.00	772.27	0.00	772.65	69.94	5.20	163.
75.000	0.00	0.00	0.00	765.90	675.00	772.61	0.00	773.00	69.83	5.43	206.
100.000	25.00	0.00	0.00	766.10	455.00	772.03	0.00	772.40	71.11	4.93	113.
100.000	25.00	0.00	0.00	766.10	525.00	772.30	0.00	772.69	71.59	5.14	143.
100.000	25.00	0.00	0.00	766.10	565.00	772.44	0.00	772.83	71.82	5.25	159.
100.000	25.00	0.00	0.00	766.10	675.00	772.78	0.00	773.18	71.71	5.48	202.
150.000	50.00	0.00	0.00	766.80	455.00	772.47	0.00	772.72	50.00	4.23	162.
150.000	50.00	0.00	0.00	766.80	525.00	772.76	0.00	773.01	49.18	4.34	199.
150.000	50.00	0.00	0.00	766.80	565.00	772.90	0.00	773.16	49.07	4.41	219.
150.000	50.00	0.00	0.00	766.80	675.00	773.25	0.00	773.51	49.10	4.59	269.
* 253.000	103.00	100000.00	100000.00	766.80	455.00	781.30	0.00	781.30	.07	.39	2903.
* 253.000	103.00	100000.00	100000.00	766.80	525.00	784.70	0.00	784.70	.03	.30	4337.
* 253.000	103.00	100000.00	100000.00	766.80	565.00	786.80	0.00	786.80	.02	.26	5362.
* 253.000	103.00	100000.00	100000.00	766.80	675.00	793.50	0.00	793.50	.01	.18	9418.
305.000	52.00	0.00	0.00	767.40	715.00	781.30	0.00	781.30	.33	.71	2235.
305.000	52.00	0.00	0.00	767.40	1205.00	784.70	0.00	784.70	.27	.75	3566.
305.000	52.00	0.00	0.00	767.40	1470.00	786.80	0.00	786.80	.21	.73	4489.
305.000	52.00	0.00	0.00	767.40	2400.00	793.50	0.00	793.50	.12	.67	8164.
825.000	520.00	0.00	0.00	770.70	715.00	781.31	0.00	781.37	6.56	2.23	645.
825.000	520.00	0.00	0.00	770.70	1205.00	784.72	0.00	784.73	1.08	1.16	2772.
825.000	520.00	0.00	0.00	770.70	1470.00	786.81	0.00	786.82	.49	.88	4379.
825.000	520.00	0.00	0.00	770.70	2400.00	793.51	0.00	793.51	.10	.54	10875.
875.000	50.00	0.00	0.00	771.60	715.00	781.33	0.00	781.43	12.52	3.06	609.
875.000	50.00	0.00	0.00	771.60	1205.00	784.73	0.00	784.74	1.42	1.26	2735.
875.000	50.00	0.00	0.00	771.60	1470.00	786.82	0.00	786.82	.59	.90	4344.
875.000	50.00	0.00	0.00	771.60	2400.00	793.51	0.00	793.51	.12	.51	10835.
876.000	1.00	780.80	800.00	771.60	715.00	781.26	776.45	781.48	24.65	4.56	230.
876.000	1.00	780.80	800.00	771.60	1205.00	784.73	0.00	784.74	.28	.58	2194.
876.000	1.00	780.80	800.00	771.60	1470.00	786.82	0.00	786.82	.07	.34	3985.
876.000	1.00	780.80	800.00	771.60	2400.00	793.51	0.00	793.51	.01	.18	10408.
926.000	50.00	780.80	800.00	771.60	715.00	781.50	0.00	781.61	17.04	3.25	318.
926.000	50.00	780.80	800.00	771.60	1205.00	784.73	0.00	784.74	.28	.58	2199.
926.000	50.00	780.80	800.00	771.60	1470.00	786.82	0.00	786.82	.07	.34	3987.
926.000	50.00	780.80	800.00	771.60	2400.00	793.51	0.00	793.51	.01	.18	10408.
927.000	1.00	0.00	0.00	771.60	715.00	781.55	0.00	781.62	9.75	2.73	721.
927.000	1.00	0.00	0.00	771.60	1205.00	784.73	0.00	784.74	1.41	1.26	2742.
927.000	1.00	0.00	0.00	771.60	1470.00	786.82	0.00	786.82	.59	.90	4348.
927.000	1.00	0.00	0.00	771.60	2400.00	793.51	0.00	793.51	.12	.51	10836.
980.000	53.00	0.00	0.00	771.40	715.00	781.63	0.00	781.65	3.04	1.61	1222.
980.000	53.00	0.00	0.00	771.40	1205.00	784.74	0.00	784.74	.68	.94	3488.
980.000	53.00	0.00	0.00	771.40	1470.00	786.82	0.00	786.82	.33	.74	5129.
980.000	53.00	0.00	0.00	771.40	2400.00	793.51	0.00	793.51	.09	.50	11733.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
1700.000	980.00	0.00	0.00	772.20	715.00	782.03	0.00	782.09	6.67	2.30	612.
1700.000	980.00	0.00	0.00	772.20	1205.00	784.85	0.00	784.88	3.34	1.99	1335.
1700.000	980.00	0.00	0.00	772.20	1470.00	786.88	0.00	786.89	1.78	1.63	2061.
1700.000	980.00	0.00	0.00	772.20	2400.00	793.52	0.00	793.53	.43	1.06	5268.
1800.000	100.00	0.00	0.00	774.50	715.00	782.10	0.00	782.23	21.63	3.67	403.
1800.000	100.00	0.00	0.00	774.50	1205.00	784.88	0.00	784.94	7.66	2.77	990.
1800.000	100.00	0.00	0.00	774.50	1470.00	786.89	0.00	786.92	3.70	2.19	1560.
1800.000	100.00	0.00	0.00	774.50	2400.00	793.52	0.00	793.53	.77	1.36	4237.
1900.000	100.00	0.00	0.00	777.00	480.00	782.16	0.00	782.82	141.89	6.70	93.
1900.000	100.00	0.00	0.00	777.00	765.00	784.94	0.00	785.09	24.52	3.96	401.
1900.000	100.00	0.00	0.00	777.00	1055.00	786.92	0.00	786.99	10.56	3.09	754.
1900.000	100.00	0.00	0.00	777.00	1400.00	793.53	0.00	793.54	.81	1.25	2631.
2050.000	150.00	0.00	0.00	779.80	480.00	784.49	784.02	785.23	178.46	7.17	93.
2050.000	150.00	0.00	0.00	779.80	765.00	785.34	0.00	786.09	160.45	7.82	169.
2050.000	150.00	0.00	0.00	779.80	1055.00	787.10	0.00	787.37	49.13	5.40	412.
2050.000	150.00	0.00	0.00	779.80	1400.00	793.55	0.00	793.56	1.48	1.50	2182.
2125.000	75.00	0.00	0.00	781.30	480.00	785.84	785.50	786.61	186.33	7.44	93.
2125.000	75.00	0.00	0.00	781.30	765.00	786.56	786.45	787.56	209.81	8.91	144.
2125.000	75.00	0.00	0.00	781.30	1055.00	787.32	787.09	788.28	180.92	9.23	219.
2125.000	75.00	0.00	0.00	781.30	1400.00	793.55	0.00	793.58	3.98	2.33	1407.
2200.000	75.00	0.00	0.00	783.00	480.00	787.31	787.13	788.13	214.52	7.86	93.
2200.000	75.00	0.00	0.00	783.00	765.00	788.23	0.00	789.05	179.70	8.42	160.
2200.000	75.00	0.00	0.00	783.00	1055.00	788.74	0.00	789.72	200.19	9.56	206.
2200.000	75.00	0.00	0.00	783.00	1400.00	793.57	0.00	793.65	9.99	3.37	904.
2325.000	125.00	0.00	0.00	785.40	480.00	789.87	0.00	790.57	174.95	7.32	104.
2325.000	125.00	0.00	0.00	785.40	765.00	790.55	790.39	791.44	198.62	8.73	153.
2325.000	125.00	0.00	0.00	785.40	1055.00	791.22	0.00	792.14	185.44	9.29	214.
2325.000	125.00	0.00	0.00	785.40	1400.00	793.68	0.00	793.94	40.83	5.70	528.
2450.000	125.00	0.00	0.00	787.70	480.00	792.23	792.07	792.96	209.65	7.63	100.
2450.000	125.00	0.00	0.00	787.70	765.00	793.09	0.00	793.85	183.19	8.26	168.
2450.000	125.00	0.00	0.00	787.70	1055.00	793.64	0.00	794.49	189.38	9.11	218.
2450.000	125.00	0.00	0.00	787.70	1400.00	794.25	0.00	795.14	183.20	9.70	280.
2600.000	150.00	0.00	0.00	791.60	480.00	795.69	0.00	796.07	192.23	6.54	141.
2600.000	150.00	0.00	0.00	791.60	765.00	796.29	0.00	796.75	195.44	7.50	199.
2600.000	150.00	0.00	0.00	791.60	1055.00	796.87	0.00	797.36	183.68	8.05	259.
2600.000	150.00	0.00	0.00	791.60	1400.00	797.40	0.00	797.96	183.92	8.74	320.
2700.000	100.00	0.00	0.00	793.60	480.00	797.65	0.00	798.04	202.33	6.66	138.
2700.000	100.00	0.00	0.00	793.60	765.00	798.27	0.00	798.74	201.26	7.58	197.
2700.000	100.00	0.00	0.00	793.60	1055.00	798.78	0.00	799.32	205.05	8.37	249.
2700.000	100.00	0.00	0.00	793.60	1400.00	799.30	0.00	799.91	203.21	9.06	308.
3975.000	1275.00	0.00	0.00	801.80	480.00	808.05	0.00	808.24	42.25	3.90	183.
3975.000	1275.00	0.00	0.00	801.80	765.00	809.10	0.00	809.32	44.69	4.39	268.
3975.000	1275.00	0.00	0.00	801.80	1055.00	809.95	0.00	810.19	46.02	4.75	345.
3975.000	1275.00	0.00	0.00	801.80	1400.00	810.77	0.00	811.04	47.85	5.12	427.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
4025.000	50.00	0.00	0.00	801.90	480.00	808.24	0.00	808.49	50.33	4.59	173.
4025.000	50.00	0.00	0.00	801.90	765.00	809.30	0.00	809.59	53.17	5.25	261.
4025.000	50.00	0.00	0.00	801.90	1055.00	810.15	0.00	810.47	54.67	5.74	340.
4025.000	50.00	0.00	0.00	801.90	1400.00	810.98	0.00	811.33	56.37	6.22	426.
* 4026.000	1.00	809.40	840.00	801.90	480.00	810.01	810.01	810.75	106.54	7.33	83.
* 4026.000	1.00	809.40	840.00	801.90	765.00	810.66	810.66	811.28	91.73	7.46	144.
* 4026.000	1.00	809.40	840.00	801.90	1055.00	811.00	811.00	811.67	98.03	8.06	186.
* 4026.000	1.00	809.40	840.00	801.90	1400.00	811.32	811.32	812.04	102.51	8.56	231.
4096.000	70.00	809.40	840.00	801.90	480.00	811.01	0.00	811.14	20.05	3.65	187.
4096.000	70.00	809.40	840.00	801.90	765.00	811.50	0.00	811.66	23.05	4.14	259.
4096.000	70.00	809.40	840.00	801.90	1055.00	811.88	0.00	812.06	23.58	4.37	323.
4096.000	70.00	809.40	840.00	801.90	1400.00	812.23	0.00	812.45	24.69	4.64	385.
4097.000	1.00	0.00	0.00	801.90	480.00	811.13	0.00	811.16	6.08	2.06	441.
4097.000	1.00	0.00	0.00	801.90	765.00	811.61	0.00	811.68	11.57	2.95	502.
4097.000	1.00	0.00	0.00	801.90	1055.00	811.97	0.00	812.08	17.84	3.75	558.
4097.000	1.00	0.00	0.00	801.90	1400.00	812.29	0.00	812.46	25.99	4.63	616.
4150.000	53.00	0.00	0.00	802.40	480.00	811.15	0.00	811.22	11.94	2.17	276.
4150.000	53.00	0.00	0.00	802.40	765.00	811.66	0.00	811.78	19.71	2.92	367.
4150.000	53.00	0.00	0.00	802.40	1055.00	812.05	0.00	812.22	26.52	3.54	441.
4150.000	53.00	0.00	0.00	802.40	1400.00	812.41	0.00	812.64	34.12	4.18	513.

PROGRAM 722-02Z

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
75.000	455.00	771.86	0.00	0.00	-4.14	106.93	0.00
75.000	525.00	772.13	0.00	0.00	-5.87	116.60	0.00
75.000	565.00	772.27	0.00	0.00	-7.73	121.45	0.00
75.000	675.00	772.61	.34	0.00	-9.39	133.54	0.00
100.000	455.00	772.03	0.00	.17	0.00	105.97	25.00
100.000	525.00	772.30	0.00	.17	0.00	115.68	25.00
100.000	565.00	772.44	0.00	.17	0.00	120.55	25.00
100.000	675.00	772.78	.34	.17	0.00	132.63	25.00
150.000	455.00	772.47	0.00	.44	0.00	121.43	50.00
150.000	525.00	772.76	0.00	.46	0.00	131.84	50.00
150.000	565.00	772.90	0.00	.46	0.00	136.98	50.00
150.000	675.00	773.25	.35	.47	0.00	149.41	50.00
* 253.000	455.00	781.30	0.00	8.83	0.00	380.41	103.00
* 253.000	525.00	784.70	0.00	11.94	0.00	462.82	103.00
* 253.000	565.00	786.80	0.00	13.90	0.00	512.82	103.00
* 253.000	675.00	793.50	6.70	20.25	0.00	736.62	103.00
305.000	715.00	781.30	0.00	-.00	0.00	360.49	52.00
305.000	1205.00	784.70	0.00	-.00	0.00	421.65	52.00
305.000	1470.00	786.80	0.00	-.00	0.00	456.65	52.00
305.000	2400.00	793.50	6.70	-.00	0.00	660.80	52.00
825.000	715.00	781.31	0.00	.01	0.00	478.02	520.00
825.000	1205.00	784.72	0.00	.02	0.00	715.17	520.00
825.000	1470.00	786.81	0.00	.02	0.00	826.95	520.00
825.000	2400.00	793.51	6.69	.01	0.00	1090.06	520.00
875.000	715.00	781.33	0.00	.03	0.00	481.20	50.00
875.000	1205.00	784.73	0.00	.01	0.00	715.67	50.00
875.000	1470.00	786.82	0.00	.00	0.00	827.59	50.00
875.000	2400.00	793.51	6.69	.00	0.00	1090.24	50.00
876.000	715.00	781.26	0.00	-.08	0.00	527.15	1.00
876.000	1205.00	784.73	0.00	.00	0.00	845.63	1.00
876.000	1470.00	786.82	0.00	.00	0.00	943.14	1.00
876.000	2400.00	793.51	6.69	.00	0.00	1090.26	1.00
926.000	715.00	781.50	0.00	.24	0.00	579.15	50.00
926.000	1205.00	784.73	0.00	.00	0.00	846.11	50.00
926.000	1470.00	786.82	0.00	.00	0.00	943.20	50.00
926.000	2400.00	793.51	6.69	.00	0.00	1090.28	50.00
927.000	715.00	781.55	0.00	.05	0.00	523.34	1.00
927.000	1205.00	784.73	0.00	-.00	0.00	716.12	1.00
927.000	1470.00	786.82	0.00	-.00	0.00	827.80	1.00
927.000	2400.00	793.51	6.69	-.00	0.00	1090.26	1.00
980.000	715.00	781.63	0.00	.08	0.00	664.41	53.00
980.000	1205.00	784.74	0.00	.01	0.00	764.19	53.00
980.000	1470.00	786.82	0.00	.00	0.00	810.06	53.00
980.000	2400.00	793.51	6.69	.00	0.00	1153.65	53.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1700.000	715.00	782.03	0.00	.41	0.00	209.47	980.00
1700.000	1205.00	784.85	0.00	.11	0.00	306.36	980.00
1700.000	1470.00	786.88	0.00	.05	0.00	399.77	980.00
1700.000	2400.00	793.52	6.64	.01	0.00	598.13	980.00
1800.000	715.00	782.10	0.00	.06	0.00	168.09	100.00
1800.000	1205.00	784.88	0.00	.03	0.00	253.69	100.00
1800.000	1470.00	786.89	0.00	.02	0.00	311.49	100.00
1800.000	2400.00	793.52	6.63	.00	0.00	489.05	100.00
1900.000	480.00	782.16	0.00	.07	0.00	60.78	100.00
1900.000	765.00	784.94	0.00	.05	0.00	153.45	100.00
1900.000	1055.00	786.92	0.00	.03	0.00	203.04	100.00
1900.000	1400.00	793.53	6.61	.01	0.00	364.31	100.00
2050.000	480.00	784.49	0.00	2.33	0.00	73.55	150.00
2050.000	765.00	785.34	0.00	.40	0.00	105.37	150.00
2050.000	1055.00	787.10	0.00	.18	0.00	170.52	150.00
2050.000	1400.00	793.55	6.44	.01	0.00	352.90	150.00
2125.000	480.00	785.84	0.00	1.35	0.00	62.54	75.00
2125.000	765.00	786.56	0.00	1.22	0.00	84.14	75.00
2125.000	1055.00	787.32	0.00	.22	0.00	107.40	75.00
2125.000	1400.00	793.55	6.23	.00	0.00	252.96	75.00
2200.000	480.00	787.31	0.00	1.47	0.00	61.08	75.00
2200.000	765.00	788.23	0.00	1.67	0.00	84.06	75.00
2200.000	1055.00	788.74	0.00	1.42	0.00	96.56	75.00
2200.000	1400.00	793.57	4.83	.02	0.00	182.23	75.00
2325.000	480.00	789.87	0.00	2.57	0.00	65.30	125.00
2325.000	765.00	790.55	0.00	2.32	0.00	81.84	125.00
2325.000	1055.00	791.22	0.00	2.48	0.00	98.44	125.00
2325.000	1400.00	793.68	2.47	.11	0.00	149.42	125.00
2450.000	480.00	792.23	0.00	2.36	0.00	68.76	125.00
2450.000	765.00	793.09	0.00	2.54	0.00	87.63	125.00
2450.000	1055.00	793.64	0.00	2.43	0.00	95.67	125.00
2450.000	1400.00	794.25	.60	.56	0.00	104.66	125.00
2600.000	480.00	795.69	0.00	3.45	0.00	90.71	150.00
2600.000	765.00	796.29	0.00	3.20	0.00	100.26	150.00
2600.000	1055.00	796.87	0.00	3.22	0.00	109.19	150.00
2600.000	1400.00	797.40	.53	3.15	0.00	117.52	150.00
2700.000	480.00	797.65	0.00	1.96	0.00	90.23	100.00
2700.000	765.00	798.27	0.00	1.98	0.00	99.92	100.00
2700.000	1055.00	798.78	0.00	1.91	0.00	107.69	100.00
2700.000	1400.00	799.30	.52	1.90	0.00	115.96	100.00
3975.000	480.00	808.05	0.00	10.40	0.00	75.45	1275.00
3975.000	765.00	809.10	0.00	10.83	0.00	86.96	1275.00
3975.000	1055.00	809.95	0.00	11.17	0.00	96.25	1275.00
3975.000	1400.00	810.77	.82	11.47	0.00	105.20	1275.00

SECNO	Q	WSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLGH
4025,000	480,00	808,24	0,00	,19	0,00	76,42	50,00
4025,000	765,00	809,30	0,00	,20	0,00	88,47	50,00
4025,000	1055,00	810,15	0,00	,20	0,00	98,16	50,00
4025,000	1400,00	810,98	,83	,21	0,00	107,61	50,00
* 4026,000	480,00	810,01	0,00	1,77	0,00	97,74	1,00
* 4026,000	765,00	810,66	0,00	1,36	0,00	136,00	1,00
* 4026,000	1055,00	811,00	0,00	,85	0,00	155,89	1,00
* 4026,000	1400,00	811,32	,32	,34	0,00	174,47	1,00
4096,000	480,00	811,01	0,00	1,00	0,00	156,31	70,00
4096,000	765,00	811,50	0,00	,83	0,00	184,97	70,00
4096,000	1055,00	811,88	0,00	,88	0,00	197,51	70,00
4096,000	1400,00	812,23	,35	,91	0,00	205,78	70,00
4097,000	480,00	811,13	0,00	,12	0,00	110,63	1,00
4097,000	765,00	811,61	0,00	,11	0,00	143,44	1,00
4097,000	1055,00	811,97	0,00	,09	0,00	167,66	1,00
4097,000	1400,00	812,29	,32	,06	0,00	189,73	1,00
4150,000	480,00	811,15	0,00	,02	0,00	159,27	53,00
4150,000	765,00	811,66	0,00	,05	0,00	188,00	53,00
4150,000	1055,00	812,05	0,00	,08	0,00	192,61	53,00
4150,000	1400,00	812,41	,37	,12	0,00	197,04	53,00

SUMMARY OF ERRORS

NOTE SECNO= 253,000 PROFILE= 1 WSEL BASED ON X5 CARD
CAUTION SECNO= 253,000 PROFILE= 1 HYDRAULIC JUMP D,S.
NOTE SECNO= 253,000 PROFILE= 2 WSEL BASED ON X5 CARD
CAUTION SECNO= 253,000 PROFILE= 2 HYDRAULIC JUMP D,S.
NOTE SECNO= 253,000 PROFILE= 3 WSEL BASED ON X5 CARD
CAUTION SECNO= 253,000 PROFILE= 3 HYDRAULIC JUMP D,S.
NOTE SECNO= 253,000 PROFILE= 4 WSEL BASED ON X5 CARD
CAUTION SECNO= 253,000 PROFILE= 4 HYDRAULIC JUMP D,S.

CAUTION SECNO= 4026,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4026,000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4026,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4026,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4026,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4026,000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4026,000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4026,000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4026,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4026,000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4026,000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR PROGRAM 722-02Z

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
75,000	0,	-.4	-.1	.3
100,000	25,	-.4	-.1	.3
150,000	75,	-.4	-.1	.3
253,000	178,	-5.5	-2.1	6.7
305,000	230,	-5.5	-2.1	6.7
825,000	750,	-5.5	-2.1	6.7
875,000	800,	-5.5	-2.1	6.7
876,000	801,	-5.6	-2.1	6.7
926,000	851,	-5.3	-2.1	6.7
927,000	852,	-5.3	-2.1	6.7
980,000	905,	-5.2	-2.1	6.7
1700,000	1885,	-4.8	-2.0	6.6
1800,000	1985,	-4.8	-2.0	6.6
1900,000	2085,	-4.8	-2.0	6.6
2050,000	2235,	-2.6	-1.8	6.4
2125,000	2310,	-1.5	-.8	6.2
2200,000	2385,	-1.4	-.5	4.8
2325,000	2510,	-1.3	-.7	2.5
2450,000	2635,	-1.4	-.6	.6
2600,000	2785,	-1.2	-.6	.5
2700,000	2885,	-1.1	-.5	.5
3975,000	4160,	-1.9	-.8	.8
4025,000	4210,	-1.9	-.9	.8
4026,000	4211,	-1.0	-.3	.3
4096,000	4281,	-.9	-.4	.3
4097,000	4282,	-.8	-.4	.3
4150,000	4335,	-.9	-.4	.4
WEIGHTED AVG FOR REACH		-3.2	-1.3	3.9

FHF FOR THE REACH = .030 WITH 5.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 6

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD, AVG,	FHF	PERCENT WITHIN
		10'	1'	DIFF,			
1	0,				SEC,	75,000	
	100,	772.2	772.6	-.4	-.4	.005	100,
	25,				SEC,	100,000	
	75,				SEC,	150,000	
2	178,				SEC,	253,000	
	200,	781.3	786.8	-5.5	-3.0	.030	0,
3	230,				SEC,	305,000	
	300,	781.3	786.8	-5.5	-3.8	.040	0,

SNUMB = 6987T, ACTIVITY # = 01, , REPORT CODE = 52, RECORD COUNT = 001410

26
GOOD

① DISCHARGES CHANGED TO REFLECT PRINTING OF STREAM 27.
② SEC.'S 5760, 5700, 46000 ADDED 5700 BEING AN AV. SEC. BET. 5660 & 6150, ADJ. TO TPO.

T1 GUILFORD CO, FIA STUDY *10YR FREQUENCY FLOOD*
T2 STREAM NO 26 TRIBUTARY 2-DEEP RIVER
T3 PROGRAM 722-02Z LWR FEB 1977

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	0.	0.	0.006000	0.	0.	0.	718,000	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	3,000	42,000	41,000	0.	38,000	1,000	13,000	14,000
	15,000	55,000	26,000	56,000	0.	150,000	201,000	0.	0.	0.
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
QT	7,000	1540,000	1540,000	1540,000	1540,000	1000,000	1475,000	2850,000	0.	0.
ET	0.	0.	10,400	0.	0.	0.	0.	0.	0.	0.
X1	100,000	22,000	580,000	602,000	0.	0.	0.	0.	0.	0.
GR	760,000	0.	750,000	65,000	740,000	120,000	736,000	160,000	730,000	230,000
GR	726,000	290,000	724,000	320,000	722,000	440,000	720,000	520,000	718,000	580,000
GR	714,700	583,000	715,400	596,000	718,000	602,000	720,000	645,000	726,000	690,000
GR	730,000	715,000	736,000	750,000	740,000	780,000	750,000	840,000	756,000	910,000
GR	758,000	930,000	760,000	970,000	0.	0.	0.	0.	0.	0.
X1	125,000	0.	0.	0.	25,000	25,000	25,000	0.	0,300	0.
X1	150,000	0.	0.	0.	25,000	25,000	25,000	0.	0,200	0.
ET	0.	0.	9,400	0.	0.	0.	0.	0.	0.	0.
X1	175,000	0.	0.	0.	25,000	25,000	25,000	0.	0,200	0.
X1	250,000	0.	0.	0.	75,000	75,000	75,000	0.	0,500	0.
ET	0.	0.	6,400	0.	0.	0.	0.	0.	0.	0.
X1	400,000	0.	0.	0.	150,000	150,000	150,000	0.	1,200	0.
ET	0.	0.	2,400	0.	0.	0.	0.	0.	0.	0.
X1	500,000	18,000	1000,000	1022,000	100,000	100,000	100,000	0.	-1,100	0.
GR	756,000	650,000	750,000	715,000	746,000	750,000	745,500	770,000	741,000	800,000
GR	731,900	900,000	728,000	910,000	726,000	970,000	720,700	1000,000	718,300	1003,000
GR	719,000	1016,000	723,300	1022,000	729,800	1050,000	736,300	1100,000	740,000	1140,000
GR	745,000	1200,000	750,000	1260,000	760,000	1400,000	0.	0.	0.	0.
ET	0.	0.	6,400	0.	0.	0.	0.	0.	0.	0.
X1	630,000	0.	0.	0.	130,000	130,000	130,000	0.	1,100	0.
ET	0.	0.	4,400	0.	0.	0.	0.	0.	0.	0.

BLW
9/23/77

X1	1590,000	16,000	160,000	190,000	960,000	960,000	960,000	0,	0,	0,
GR	760,000	0,	756,000	20,000	750,000	60,000	746,000	75,000	740,000	95,000
GR	736,000	130,000	732,000	160,000	728,500	165,000	728,500	180,000	730,000	190,000
GR	734,000	220,000	738,000	250,000	740,000	270,000	750,000	300,000	754,000	335,000
GR	760,000	380,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	5,400	0,	0,	0,	0,	0,	0,	0,
X1	1900,000	0,	0,	0,	310,000	310,000	310,000	0,	3,500	0,
X1	2200,000	0,	0,	0,	300,000	300,000	300,000	0,	3,500	0,
ET	0,	0,	7,400	0,	0,	0,	0,	0,	0,	0,
QT	7,000	1380,000	1380,000	1380,000	1380,000	860,000	1275,000	2540,000	0,	0,
X1	2900,000	11,000	100,000	126,000	700,000	700,000	700,000	0,	0,	0,
GR	760,000	0,	754,000	35,000	750,000	70,000	746,000	100,000	743,500	105,000
GR	743,500	120,000	746,000	126,000	748,000	160,000	750,000	210,000	754,000	230,000
GR	760,000	250,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	9,400	0,	0,	0,	0,	0,	0,	0,
X1	3600,000	14,000	440,000	463,000	700,000	700,000	700,000	0,	0,	0,
GR	770,000	150,000	768,000	200,000	768,500	215,000	760,000	280,000	754,600	305,000
GR	753,500	400,000	752,400	440,000	749,100	445,000	749,300	460,000	751,800	463,000
GR	753,700	500,000	760,000	580,000	765,700	600,000	769,100	650,000	0,	0,
X1	4500,000	16,000	295,000	318,000	900,000	900,000	900,000	0,	0,	0,
GR	780,000	0,	770,000	50,000	764,000	80,000	762,000	100,000	760,000	215,000
GR	760,000	295,000	756,400	300,000	756,400	315,000	760,000	318,000	762,000	330,000
GR	764,000	390,000	768,000	430,000	770,000	470,000	774,000	580,000	778,000	630,000
GR	780,000	670,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	8,400	0,	0,	0,	0,	0,	0,	0,
QT	7,000	1230,000	1230,000	1230,000	1230,000	730,000	1080,000	2240,000	0,	0,
X1	5540,000	16,000	1000,000	1018,000	1040,000	1040,000	1040,000	0,	0,	0,
GR	798,000	600,000	796,000	640,000	792,000	680,000	790,700	700,000	782,700	800,000
GR	779,600	875,000	772,100	900,000	767,000	1000,000	763,200	1005,000	763,700	1015,000
GR	766,700	1018,000	776,800	1200,000	779,400	1230,000	782,100	1300,000	784,300	1350,000
GR	790,000	1430,000	0,	0,	0,	0,	0,	0,	0,	0,
X1	5590,000	16,000	1000,000	1033,000	50,000	50,000	50,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	770,800	770,800	0,
GR	790,000	640,000	786,000	690,000	782,000	780,000	774,000	890,000	772,000	940,000
GR	770,000	970,000	768,900	1000,000	768,200	1012,000	763,800	1017,000	764,000	1032,000
GR	770,000	1033,000	774,000	1100,000	776,000	1160,000	780,000	1280,000	782,000	1360,000
GR	790,000	1470,000	0,	0,	0,	0,	0,	0,	0,	0,
SB	0,	1,300	2,500	0,	23,000	0,	156,000	0,	763,800	763,800
X1	5611,000	15,000	1000,000	1032,000	21,000	21,000	21,000	0,	0,	0,
X2	0,	0,	1,000	770,800	773,100	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	0,	773,100	773,100
BT	13,000	560,000	797,500	797,500	700,000	790,100	790,100	800,000	781,500	781,500
BT	900,000	775,600	772,100	999,000	773,100	770,800	1000,000	773,100	770,800	1032,000
BT	773,100	770,800	1033,000	773,100	770,800	1100,000	775,200	771,900	1200,000	779,100
BT	776,800	1300,000	781,500	781,500	1360,000	782,000	782,000	1450,000	790,000	790,000
GR	797,500	560,000	790,100	700,000	781,500	800,000	772,100	900,000	770,800	999,000
GR	768,900	1000,000	768,200	1012,000	763,800	1017,000	764,000	1032,000	770,800	1033,000
GR	771,900	1100,000	776,800	1200,000	781,500	1300,000	782,000	1360,000	790,000	1450,000
ET	0,	0,	9,400	0,	0,	0,	0,	0,	0,	0,

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

PROGRAM 722-022 LMR

SUMMARY PRINTOUT

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

SECONO	CWSEL	EG	ELMIN	ELLC
100,000	721,05	721,38	714,70	0,
100,000	721,85	722,20	714,70	0,
100,000	721,94	722,30	714,70	0,
100,000	723,43	723,81	714,70	0,
125,000	721,18	721,56	715,00	0,
125,000	721,98	722,38	715,00	0,
125,000	722,08	722,48	715,00	0,
125,000	723,57	723,99	715,00	0,
150,000	721,36	721,75	715,20	0,
150,000	722,15	722,57	715,20	0,
150,000	722,25	722,66	715,20	0,
150,000	723,73	724,17	715,20	0,
175,000	721,54	721,94	715,40	0,
175,000	722,33	722,75	715,40	0,
175,000	722,43	722,85	715,40	0,
175,000	723,91	724,35	715,40	0,
250,000	722,11	722,49	715,90	0,
250,000	722,90	723,30	715,90	0,
250,000	722,99	723,39	715,90	0,
250,000	724,45	724,89	715,90	0,
400,000	723,19	723,61	717,10	0,
400,000	723,98	724,42	717,10	0,
400,000	724,08	724,52	717,10	0,
400,000	725,53	726,00	717,10	0,
500,000	723,88	724,62	717,20	0,
500,000	724,57	725,73	717,20	0,
500,000	724,64	725,87	717,20	0,
500,000	726,05	728,23	717,20	0,
630,000	725,18	725,86	718,30	0,
630,000	726,40	727,23	718,30	0,
630,000	726,58	727,39	718,30	0,
630,000	729,13	729,98	718,30	0,

SECNO	CWSEL	EG	ELMIN	ELLC
1590.000	733,74	734,30	728,50	0,
1590.000	734,85	735,52	728,50	0,
1590.000	734,97	735,65	728,50	0,
1590.000	736,81	737,79	728,50	0,
1900.000	736,84	737,56	732,00	0,
1900.000	737,82	738,71	732,00	0,
1900.000	737,94	738,84	732,00	0,
1900.000	739,90	741,08	732,00	0,
2200.000	740,43	741,11	735,50	0,
2200.000	741,41	742,25	735,50	0,
2200.000	741,52	742,39	735,50	0,
2200.000	743,40	744,58	735,50	0,
2900.000	748,35	748,97	743,50	0,
2900.000	749,27	749,97	743,50	0,
2900.000	749,43	750,17	743,50	0,
2900.000	751,21	751,98	743,50	0,
3600.000	754,61	754,96	749,10	0,
3600.000	755,35	755,69	749,10	0,
3600.000	755,52	755,86	749,10	0,
3600.000	756,91	757,28	749,10	0,
4500.000	761,51	761,90	756,40	0,
4500.000	762,12	762,53	756,40	0,
4500.000	762,24	762,66	756,40	0,
4500.000	763,45	763,87	756,40	0,
5540.000	769,59	769,97	763,20	0,
5540.000	770,43	770,86	763,20	0,
5540.000	770,70	771,15	763,20	0,
5540.000	772,12	772,66	763,20	0,
5590.000	769,94	770,43	763,80	0,
5590.000	770,70	771,45	763,80	0,
5590.000	771,01	771,69	763,80	0,
5590.000	772,36	773,35	763,80	0,
5611.000	770,17	770,63	763,80	770,80
5611.000	770,97	771,67	763,80	770,80
5611.000	771,59	772,27	763,80	770,80
5611.000	774,63	774,90	763,80	770,80
5660.000	770,70	770,90	764,20	0,
5660.000	771,78	771,99	764,20	0,
5660.000	772,36	772,55	764,20	0,
5660.000	774,84	775,02	764,20	0,
5760.000	771,01	771,36	765,20	0,
5760.000	772,06	772,39	765,20	0,
5760.000	772,59	772,90	765,20	0,
5760.000	775,01	775,27	765,20	0,

SECNO	CWSEL	EG	ELMIN	ELLC
5900,000	771,87	772,26	766,80	0,
5900,000	772,79	773,39	766,80	0,
5900,000	773,18	774,04	766,80	0,
5900,000	775,39	775,96	766,80	0,
6000,000	772,63	773,09	767,70	0,
6000,000	773,75	774,45	767,70	0,
6000,000	774,43	775,30	767,70	0,
6000,000	776,02	777,01	767,70	0,
6150,000	773,93	774,39	769,00	0,
6150,000	775,29	775,90	769,00	0,
6150,000	776,17	776,84	769,00	0,
6150,000	777,72	778,52	769,00	0,
6500,000	778,31	778,78	775,80	0,
6500,000	779,23	779,64	775,80	0,
6500,000	779,86	780,26	775,80	0,
6500,000	781,15	781,54	775,80	0,
6550,000	779,30	779,77	776,80	0,
6550,000	779,93	780,52	776,80	0,
6550,000	780,43	781,05	776,80	0,
6550,000	781,55	782,16	776,80	0,
* 6600,000	782,02	782,74	779,80	0,
* 6600,000	782,76	783,51	779,80	0,
* 6600,000	783,15	784,00	779,80	0,
* 6600,000	783,93	784,99	779,80	0,
* 6660,000	785,99	786,15	785,10	0,
* 6660,000	786,26	786,51	785,10	0,
6660,000	786,54	786,81	785,10	0,
6660,000	787,17	787,48	785,10	0,
* 6670,000	791,35	792,47	788,60	0,
* 6670,000	792,44	793,92	788,60	0,
* 6670,000	793,15	794,92	788,60	0,
* 6670,000	794,87	795,53	788,60	0,

PROGRAM 722-02Z
SUMMARY PRINTOUT

LWR

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
100,000	721,05	204,56	656,24	139,20	1,41	5,55	1,51
100,000	721,85	394,34	831,41	249,25	1,65	6,12	1,84
100,000	721,94	422,01	853,64	264,35	1,67	6,19	1,88
100,000	723,43	1078,62	1215,20	556,17	2,06	7,12	2,37
125,000	721,18	189,65	679,48	130,87	1,48	5,93	1,56
125,000	721,98	377,31	855,59	242,10	1,72	6,46	1,91
125,000	722,08	404,62	878,08	257,30	1,75	6,53	1,95
125,000	723,57	1050,91	1246,88	552,21	2,15	7,46	2,46
150,000	721,36	186,48	684,49	129,03	1,49	6,02	1,57
150,000	722,15	372,14	863,01	239,85	1,75	6,57	1,93
150,000	722,25	399,36	885,54	255,09	1,77	6,64	1,97
150,000	723,73	1042,19	1256,94	550,87	2,18	7,57	2,49
175,000	721,54	185,77	685,61	128,62	1,49	6,04	1,57
175,000	722,33	370,41	865,50	239,09	1,75	6,61	1,94
175,000	722,43	397,58	888,09	254,33	1,78	6,67	1,98
175,000	723,91	1038,12	1261,65	550,23	2,20	7,62	2,51
250,000	722,11	191,80	676,10	132,10	1,47	5,88	1,55
250,000	722,90	377,07	855,94	242,00	1,72	6,47	1,91
250,000	722,99	404,34	878,48	257,18	1,75	6,54	1,95
250,000	724,45	1045,63	1252,97	551,40	2,17	7,52	2,48
400,000	723,19	182,17	691,33	126,50	1,51	6,14	1,59
400,000	723,98	364,66	873,81	236,53	1,78	6,73	1,97
400,000	724,08	391,62	896,61	251,77	1,81	6,80	2,01
400,000	725,53	1022,94	1279,30	547,76	2,25	7,81	2,56
500,000	723,88	106,09	887,26	6,65	2,04	7,28	1,09
500,000	724,57	185,52	1270,07	19,41	2,66	9,28	1,61
500,000	724,64	196,90	1321,59	21,50	2,74	9,55	1,68
500,000	726,05	521,79	2240,40	87,81	3,90	13,22	2,75
630,000	725,18	111,99	879,62	8,39	1,97	6,97	1,10
630,000	726,40	223,71	1219,38	31,90	2,38	7,97	1,54
630,000	726,56	243,52	1260,22	36,25	2,41	8,05	1,58
630,000	729,13	800,59	1695,83	153,57	2,64	8,90	2,10
1590,000	733,74	12,04	895,72	92,24	1,05	6,35	1,75
1590,000	734,85	43,06	1237,86	194,08	1,42	7,11	2,21
1590,000	734,97	48,21	1282,83	208,96	1,46	7,22	2,26
1590,000	736,81	200,16	2119,68	530,15	2,30	9,10	3,05
1900,000	736,84	7,10	912,29	80,61	1,05	7,07	1,92
1900,000	737,82	30,21	1279,02	165,77	1,50	8,08	2,37
1900,000	737,94	34,48	1325,39	180,13	1,55	8,19	2,44
1900,000	739,90	171,75	2174,85	503,40	2,36	9,85	3,28
2200,000	740,43	8,07	908,81	83,12	1,05	6,90	1,88
2200,000	741,41	32,50	1271,20	171,30	1,49	7,89	2,34
2200,000	741,52	36,77	1317,04	185,38	1,54	8,01	2,41
2200,000	743,40	171,67	2175,00	503,32	2,36	9,86	3,28

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
2900,000	748,35	30,03	755,91	74,06	1,44	6,72	1,55
2900,000	749,27	70,19	1017,02	187,78	1,75	7,47	1,93
2900,000	749,43	80,90	1080,74	218,37	1,83	7,69	2,01
2900,000	751,21	253,99	1614,58	671,43	2,47	8,65	2,61
3600,000	754,61	128,93	623,47	107,59	1,09	5,55	1,46
3600,000	755,35	313,48	768,08	193,44	1,43	5,93	1,71
3600,000	755,52	364,92	798,95	216,13	1,50	5,98	1,75
3600,000	756,91	931,31	1134,84	473,85	2,10	6,84	2,15
4500,000	761,51	248,38	605,08	6,54	1,33	5,87	0,96
4500,000	762,12	497,18	760,71	17,11	1,66	6,49	1,25
4500,000	762,24	563,33	796,05	20,61	1,75	6,64	1,31
4500,000	763,45	1344,48	1103,93	91,59	2,37	7,47	1,50
5540,000	769,59	79,03	553,69	97,28	1,20	5,71	1,29
5540,000	770,43	169,63	715,42	194,95	1,47	6,38	1,56
5540,000	770,70	211,08	780,12	238,79	1,57	6,67	1,66
5540,000	772,12	531,16	1142,48	566,36	2,06	8,01	2,14
5590,000	769,94	0,	730,00	0,	0,	5,62	0,
5590,000	770,70	0,	1080,00	0,	0,	6,96	0,
5590,000	771,01	89,98	1132,82	7,20	1,65	6,85	0,84
5590,000	772,36	330,28	1834,33	75,39	2,54	8,74	1,61
5611,000	770,17	0,20	728,03	1,77	0,48	5,42	0,63
5611,000	770,97	1,11	1075,94	2,95	0,50	6,73	0,66
5611,000	771,59	16,07	1199,12	14,81	0,62	6,66	0,63
5611,000	774,63	457,08	1415,22	367,70	1,29	5,11	1,21
5660,000	770,70	103,94	582,28	43,79	0,96	4,01	0,98
5660,000	771,78	232,18	751,29	96,52	1,21	4,30	1,20
5660,000	772,36	302,23	801,55	126,21	1,24	4,21	1,21
5660,000	774,84	753,62	1159,36	327,01	1,46	4,51	1,39
5760,000	771,01	61,84	640,69	27,47	0,97	5,05	1,03
5760,000	772,06	182,54	821,30	76,16	1,36	5,29	1,37
5760,000	772,59	250,81	874,97	104,23	1,42	5,16	1,41
5760,000	775,01	697,66	1243,80	298,54	1,68	5,30	1,61
5900,000	771,87	25,14	413,83	26,03	1,17	5,27	1,21
5900,000	772,79	82,12	656,69	81,19	1,79	6,91	1,80
5900,000	773,18	133,25	859,46	132,29	2,26	8,42	2,29
5900,000	775,39	392,78	1089,89	417,33	2,40	7,68	2,32
6000,000	772,63	15,61	432,16	17,22	1,12	5,63	1,31
6000,000	773,75	58,09	699,89	62,02	1,67	7,22	1,93
6000,000	774,43	105,47	906,65	112,88	2,02	8,31	2,27
6000,000	776,02	292,97	1301,55	305,48	2,81	9,44	2,80
6150,000	773,93	15,59	432,21	17,20	1,12	5,63	1,31
6150,000	775,29	64,47	686,72	68,81	1,60	6,80	1,83
6150,000	776,17	124,11	869,23	131,66	1,91	7,43	2,07
6150,000	777,72	316,02	1252,07	331,91	2,65	8,63	2,59

SECNO	CWSEL	QLOB	QCH	QROR	VLOB	VCH	VROB
6500,000	778,31	14,72	395,85	54,43	0,78	5,89	2,03
6500,000	779,23	127,46	573,55	118,99	1,57	6,05	2,13
6500,000	779,86	238,84	706,24	179,92	1,85	6,20	2,16
6500,000	781,15	537,74	997,09	365,17	2,27	6,53	2,34
6550,000	779,30	14,40	396,26	54,34	0,78	5,91	2,04
6550,000	779,93	99,31	607,90	112,79	1,64	7,07	2,49
6550,000	780,43	197,50	758,85	168,65	2,06	7,53	2,64
6550,000	781,55	486,16	1075,76	338,08	2,63	8,00	2,83
* 6600,000	782,02	0,20	417,38	47,42	0,17	7,12	2,33
* 6600,000	782,76	80,12	631,14	108,74	1,66	7,82	2,76
* 6600,000	783,15	164,75	799,30	160,95	2,19	8,65	3,05
* 6600,000	783,93	413,42	1179,64	306,94	3,07	10,17	3,54
* 6660,000	785,99	444,68	20,32	0,	3,05	5,59	0,
* 6660,000	786,26	785,58	34,42	0,	3,87	6,66	0,
6660,000	786,54	1078,16	46,83	0,	4,02	6,60	0,
6660,000	787,17	1818,31	81,69	0,	4,31	6,61	0,
* 6670,000	791,35	0,	465,00	0,	0,	8,48	0,
* 6670,000	792,44	0,	820,00	0,	0,	9,75	0,
* 6670,000	793,15	0,	1125,00	0,	0,	10,69	0,
* 6670,000	794,87	612,93	1287,07	0,	1,58	7,88	0,

PROGRAM 722-02Z LMR
SUMMARY PRINTOUT TABLE 150

SECNO	XLCK	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10K*S	VCH	ARE
100,000	0.	0.	0.	714,70	1000,00	721,05	0.	721,38	59,90	5.55	356
100,000	0.	0.	0.	714,70	1475,00	721,85	0.	722,20	60,61	6.12	510
100,000	0.	0.	0.	714,70	1540,00	721,94	0.	722,30	60,78	6.19	531
100,000	0.	0.	0.	714,70	2850,00	723,43	0.	723,81	60,50	7.12	928
125,000	25,00	0.	0.	715,00	1000,00	721,18	0.	721,56	71,54	5.93	326
125,000	25,00	0.	0.	715,00	1475,00	721,98	0.	722,38	69,95	6.46	478
125,000	25,00	0.	0.	715,00	1540,00	722,08	0.	722,48	69,97	6.53	497
125,000	25,00	0.	0.	715,00	2850,00	723,57	0.	723,99	68,20	7.46	879
150,000	25,00	0.	0.	715,20	1000,00	721,36	0.	721,75	74,29	6.02	320
150,000	25,00	0.	0.	715,20	1475,00	722,15	0.	722,57	73,04	6.57	468
150,000	25,00	0.	0.	715,20	1540,00	722,25	0.	722,66	72,99	6.64	487
150,000	25,00	0.	0.	715,20	2850,00	723,73	0.	724,17	70,80	7.57	864
175,000	25,00	0.	0.	715,40	1000,00	721,54	0.	721,94	74,91	6.04	319
175,000	25,00	0.	0.	715,40	1475,00	722,33	0.	722,75	74,10	6.61	465
175,000	25,00	0.	0.	715,40	1540,00	722,43	0.	722,85	74,05	6.67	484
175,000	25,00	0.	0.	715,40	2850,00	723,91	0.	724,35	72,04	7.62	857
250,000	75,00	0.	0.	715,90	1000,00	722,11	0.	722,49	69,74	5.88	330
250,000	75,00	0.	0.	715,90	1475,00	722,90	0.	723,30	70,09	6.47	477
250,000	75,00	0.	0.	715,90	1540,00	722,99	0.	723,39	70,13	6.54	497
250,000	75,00	0.	0.	715,90	2850,00	724,45	0.	724,89	69,76	7.52	870
400,000	150,00	0.	0.	717,10	1000,00	723,19	0.	723,61	78,18	6.14	312
400,000	150,00	0.	0.	717,10	1475,00	723,98	0.	724,42	77,73	6.73	455
400,000	150,00	0.	0.	717,10	1540,00	724,08	0.	724,52	77,67	6.80	473
400,000	150,00	0.	0.	717,10	2850,00	725,53	0.	726,00	76,87	7.81	832
500,000	100,00	0.	0.	717,20	1000,00	723,88	0.	724,62	100,50	7.28	179
500,000	100,00	0.	0.	717,20	1475,00	724,57	0.	725,73	139,85	9.28	218
500,000	100,00	0.	0.	717,20	1540,00	724,64	0.	725,87	145,55	9.55	223
500,000	100,00	0.	0.	717,20	2850,00	726,05	726,05	728,23	213,15	13,22	335
630,000	130,00	0.	0.	718,30	1000,00	725,18	0.	725,86	87,71	6.97	190
630,000	130,00	0.	0.	718,30	1475,00	726,40	0.	727,23	88,65	7.97	267
630,000	130,00	0.	0.	718,30	1540,00	726,56	0.	727,39	87,87	8.05	280
630,000	130,00	0.	0.	718,30	2850,00	729,13	0.	729,98	71,12	8.90	589
1590,000	960,00	0.	0.	728,50	1000,00	733,74	0.	734,30	87,86	6.35	205
1590,000	960,00	0.	0.	728,50	1475,00	734,85	0.	735,52	83,45	7.11	292
1590,000	960,00	0.	0.	728,50	1540,00	734,97	0.	735,65	83,63	7.22	303
1590,000	960,00	0.	0.	728,50	2850,00	736,81	0.	737,79	92,60	9.10	493
1900,000	310,00	0.	0.	732,00	1000,00	736,84	0.	737,56	122,57	7.07	177
1900,000	310,00	0.	0.	732,00	1475,00	737,82	0.	738,71	122,30	8.08	248
1900,000	310,00	0.	0.	732,00	1540,00	737,94	0.	738,84	121,89	8.19	257
1900,000	310,00	0.	0.	732,00	2850,00	739,90	0.	741,08	116,63	9.85	446
2200,000	300,00	0.	0.	735,50	1000,00	740,43	0.	741,11	113,93	6.90	183
2200,000	300,00	0.	0.	735,50	1475,00	741,41	0.	742,25	113,67	7.89	256
2200,000	300,00	0.	0.	735,50	1540,00	741,52	0.	742,39	113,95	8.01	265
2200,000	300,00	0.	0.	735,50	2850,00	743,40	0.	744,58	116,71	9.86	446

SECGO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRJWS	EG	10K*S	VCH	ARE
2900.000	700.00	0.	0.	743.50	860.00	748.35	0.	748.97	110.16	6.72	181
2900.000	700.00	0.	0.	743.50	1275.00	749.27	0.	749.97	105.60	7.47	273
2900.000	700.00	0.	0.	743.50	1380.00	749.43	0.	750.17	107.32	7.69	293
2900.000	700.00	0.	0.	743.50	2540.00	751.21	0.	751.98	93.02	8.65	546
3600.000	700.00	0.	0.	749.10	860.00	754.61	0.	754.96	67.29	5.55	303
3600.000	700.00	0.	0.	749.10	1275.00	755.35	0.	755.69	63.71	5.93	462
3600.000	700.00	0.	0.	749.10	1380.00	755.52	0.	755.86	62.21	5.98	500
3600.000	700.00	0.	0.	749.10	2540.00	756.91	0.	757.28	60.94	6.84	830
4500.000	900.00	0.	0.	756.40	860.00	761.51	0.	761.90	88.79	5.87	295
4500.000	900.00	0.	0.	756.40	1275.00	762.12	0.	762.53	91.47	6.49	429
4500.000	900.00	0.	0.	756.40	1380.00	762.24	0.	762.66	92.69	6.64	458
4500.000	900.00	0.	0.	756.40	2540.00	763.45	0.	763.87	89.04	7.47	776
5540.000	1040.00	0.	0.	763.20	730.00	769.59	0.	769.97	67.03	5.71	237
5540.000	1040.00	0.	0.	763.20	1080.00	770.43	0.	770.86	69.08	6.38	352
5540.000	1040.00	0.	0.	763.20	1230.00	770.70	0.	771.15	71.26	6.67	395
5540.000	1040.00	0.	0.	763.20	2240.00	772.12	0.	772.66	78.95	8.01	664
5590.000	50.00	0.	0.	763.80	730.00	769.94	0.	770.43	106.21	5.62	129
5590.000	50.00	0.	0.	763.80	1080.00	770.70	0.	771.45	129.61	6.96	155
5590.000	50.00	0.	0.	763.80	1230.00	771.01	0.	771.69	114.60	6.85	228
5590.000	50.00	0.	0.	763.80	2240.00	772.36	0.	773.35	135.35	8.74	386
5611.000	21.00	773.10	770.80	763.80	730.00	770.17	0.	770.63	75.65	5.42	137
5611.000	21.00	773.10	770.80	763.80	1080.00	770.97	0.	771.67	92.46	6.73	166
5611.000	21.00	773.10	770.80	763.80	1230.00	771.59	0.	772.27	77.28	6.66	229
5611.000	21.00	773.10	770.80	763.80	2240.00	774.63	0.	774.90	25.59	5.11	934
5660.000	49.00	0.	0.	764.20	730.00	770.70	0.	770.90	29.93	4.01	297
5660.000	49.00	0.	0.	764.20	1080.00	771.78	0.	771.99	26.97	4.30	447
5660.000	49.00	0.	0.	764.20	1230.00	772.36	0.	772.55	23.04	4.21	538
5660.000	49.00	0.	0.	764.20	2240.00	774.84	0.	775.02	17.71	4.51	1009
5760.000	100.00	0.	0.	765.20	730.00	771.01	0.	771.36	57.04	5.05	217
5760.000	100.00	0.	0.	765.20	1080.00	772.06	0.	772.39	47.92	5.29	344
5760.000	100.00	0.	0.	765.20	1230.00	772.59	0.	772.90	40.37	5.16	419
5760.000	100.00	0.	0.	765.20	2240.00	775.01	0.	775.27	27.64	5.30	835
5900.000	140.00	0.	0.	766.80	465.00	771.87	0.	772.26	74.76	5.27	121
5900.000	140.00	0.	0.	766.80	820.00	772.79	0.	773.39	99.63	6.91	186
5900.000	140.00	0.	0.	766.80	1125.00	773.18	0.	774.04	134.46	8.42	218
5900.000	140.00	0.	0.	766.80	1900.00	775.39	0.	775.96	72.08	7.68	485
6000.000	100.00	0.	0.	767.70	465.00	772.63	0.	773.09	86.51	5.63	103
6000.000	100.00	0.	0.	767.70	820.00	773.75	0.	774.45	104.24	7.22	163
6000.000	100.00	0.	0.	767.70	1125.00	774.43	0.	775.30	117.80	8.31	210
6000.000	100.00	0.	0.	767.70	1900.00	776.02	0.	777.01	111.32	9.44	351
6150.000	150.00	0.	0.	769.00	465.00	773.93	0.	774.39	86.65	5.63	103
6150.000	150.00	0.	0.	769.00	820.00	775.29	0.	775.90	87.39	6.80	178
6150.000	150.00	0.	0.	769.00	1125.00	776.17	0.	776.84	85.77	7.43	245
6150.000	150.00	0.	0.	769.00	1900.00	777.72	0.	778.52	86.91	8.63	392

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
6500,000	350,00	0,	0,	775,80	465,00	778,31	778,04	778,78	197,23	5,89	112
6500,000	350,00	0,	0,	775,80	820,00	779,23	0,	779,64	131,24	6,05	231
6500,000	350,00	0,	0,	775,80	1125,00	779,86	0,	780,26	108,22	6,20	326
6500,000	350,00	0,	0,	775,80	1900,00	781,15	0,	781,54	81,19	6,53	545
6550,000	50,00	0,	0,	776,80	465,00	779,30	779,01	779,77	199,05	5,91	112
6550,000	50,00	0,	0,	776,80	820,00	779,93	0,	780,52	204,04	7,07	191
6550,000	50,00	0,	0,	776,80	1125,00	780,43	0,	781,05	187,53	7,53	260
6550,000	50,00	0,	0,	776,80	1900,00	781,55	0,	782,16	144,21	8,00	438
* 6600,000	50,00	0,	0,	779,80	465,00	782,02	782,02	782,74	345,89	7,12	80
* 6600,000	50,00	0,	0,	779,80	820,00	782,76	782,76	783,51	271,83	7,82	168
* 6600,000	50,00	0,	0,	779,80	1125,00	783,15	783,15	784,00	278,15	8,65	220
* 6600,000	50,00	0,	0,	779,80	1900,00	783,93	783,93	784,99	283,41	10,17	337
* 6660,000	60,00	0,	0,	785,10	465,00	785,99	0,	786,15	1011,15	5,59	149
* 6660,000	60,00	0,	0,	785,10	820,00	786,26	0,	786,51	1087,37	6,66	208
6660,000	60,00	0,	0,	785,10	1125,00	786,54	0,	786,81	839,17	6,60	275
6660,000	60,00	0,	0,	785,10	1900,00	787,17	786,66	787,48	566,10	6,61	434
* 6670,000	10,00	0,	0,	788,60	465,00	791,35	791,35	792,47	440,90	8,48	54
* 6670,000	10,00	0,	0,	788,60	820,00	792,44	792,44	793,92	406,42	9,75	84
* 6670,000	10,00	0,	0,	788,60	1125,00	793,15	793,15	794,92	407,49	10,69	105
* 6670,000	10,00	0,	0,	788,60	1900,00	794,87	794,87	795,53	147,65	7,88	550

PROGRAM 722-02Z LWR
 SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100,000	1000,00	721,05	0.	0.	3,05	175,04	0.
100,000	1475,00	721,85	0.	0.	2,85	212,95	0.
100,000	1540,00	721,94	0.	0.	1,94	217,38	0.
100,000	2850,00	723,43	1,49	0.	2,43	316,83	0.
125,000	1000,00	721,18	0.	0,13	0.	166,89	25,00
125,000	1475,00	721,98	0.	0,13	0.	205,48	25,00
125,000	1540,00	722,08	0.	0,13	0.	209,94	25,00
125,000	2850,00	723,37	1,49	0,13	0.	306,22	25,00
150,000	1000,00	721,36	0.	0,17	0.	165,19	25,00
150,000	1475,00	722,15	0.	0,17	0.	203,27	25,00
150,000	1540,00	722,25	0.	0,17	0.	207,74	25,00
150,000	2850,00	723,73	1,49	0,16	0.	302,95	25,00
175,000	1000,00	721,54	0.	0,18	0.	164,82	25,00
175,000	1475,00	722,33	0.	0,18	0.	202,53	25,00
175,000	1540,00	722,43	0.	0,18	0.	206,99	25,00
175,000	2850,00	723,91	1,48	0,17	0.	301,43	25,00
250,000	1000,00	722,11	0.	0,57	0.	168,05	75,00
250,000	1475,00	722,90	0.	0,57	0.	205,38	75,00
250,000	1540,00	722,99	0.	0,57	0.	209,82	75,00
250,000	2850,00	724,45	1,46	0,55	0.	304,24	75,00
400,000	1000,00	723,19	0.	1,08	0.	162,91	150,00
400,000	1475,00	723,98	0.	1,08	0.	200,09	150,00
400,000	1540,00	724,08	0.	1,08	0.	204,53	150,00
400,000	2850,00	725,53	1,45	1,07	0.	295,81	150,00
500,000	1000,00	723,88	0.	0,69	0.	53,51	100,00
500,000	1475,00	724,57	0.	0,58	0.	60,30	100,00
500,000	1540,00	724,64	0.	0,56	0.	61,04	100,00
500,000	2850,00	726,05	1,41	0,52	0.	103,11	100,00
630,000	1000,00	725,18	0.	1,30	0.	55,51	130,00
630,000	1475,00	726,40	0.	1,83	0.	77,53	130,00
630,000	1540,00	726,56	0.	1,92	0.	82,95	130,00
630,000	2850,00	729,13	2,58	3,08	0.	140,04	130,00
1590,000	1000,00	733,74	0.	8,55	0.	71,18	960,00
1590,000	1475,00	734,85	0.	8,45	0.	87,63	960,00
1590,000	1540,00	734,97	0.	8,41	0.	89,46	960,00
1590,000	2850,00	736,81	1,84	7,67	0.	118,09	960,00
1900,000	1000,00	736,84	0.	3,11	0.	65,18	310,00
1900,000	1475,00	737,82	0.	2,97	0.	79,74	310,00
1900,000	1540,00	737,94	0.	2,97	0.	81,53	310,00
1900,000	2850,00	739,90	1,96	3,09	0.	111,48	310,00
2200,000	1000,00	740,43	0.	3,59	0.	66,46	300,00
2200,000	1475,00	741,41	0.	3,59	0.	81,20	300,00
2200,000	1540,00	741,52	0.	3,59	0.	82,90	300,00
2200,000	2850,00	743,40	1,87	3,50	0.	111,46	300,00

SECNO	O	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2900,000	860,00	748,35	0,	7,92	0,	86,60	700,00
2900,000	1275,00	749,27	0,	7,86	0,	116,16	700,00
2900,000	1380,00	749,43	0,	7,91	0,	121,62	700,00
2900,000	2540,00	751,21	1,77	7,81	0,	156,61	700,00
3600,000	860,00	754,61	0,	6,26	0,	206,27	700,00
3600,000	1275,00	755,35	0,	6,08	0,	219,28	700,00
3600,000	1380,00	755,52	0,	6,09	0,	222,32	700,00
3600,000	2540,00	756,94	1,39	5,71	0,	246,67	700,00
4500,000	860,00	761,51	0,	6,90	0,	198,77	900,00
4500,000	1275,00	762,12	0,	6,78	0,	234,89	900,00
4500,000	1380,00	762,24	0,	6,72	0,	239,70	900,00
4500,000	2540,00	763,45	1,21	6,53	0,	288,00	900,00
5540,000	730,00	769,59	0,	8,07	0,	120,80	1040,00
5540,000	1080,00	770,43	0,	8,31	0,	152,38	1040,00
5540,000	1230,00	770,70	0,	8,46	0,	162,59	1040,00
5540,000	2240,00	772,12	1,42	8,67	0,	215,80	1040,00
5590,000	730,00	769,94	0,	0,36	0,	32,99	50,00
5590,000	1080,00	770,70	0,	0,27	0,	33,00	50,00
5590,000	1230,00	771,01	0,	0,31	0,	95,11	50,00
5590,000	2240,00	772,36	1,35	0,24	0,	141,74	50,00
5611,000	730,00	770,17	0,	0,23	0,	33,58	21,00
5611,000	1080,00	770,97	0,	0,27	0,	57,22	21,00
5611,000	1230,00	771,59	0,	0,58	0,	143,66	21,00
5611,000	2240,00	774,63	3,04	2,27	0,	282,71	21,00
5660,000	730,00	770,70	0,	0,52	0,	125,53	49,00
5660,000	1080,00	771,78	0,	0,82	0,	149,85	49,00
5660,000	1230,00	772,36	0,	0,77	0,	162,84	49,00
5660,000	2240,00	774,84	2,47	0,21	0,	218,04	49,00
5760,000	730,00	771,01	0,	0,31	0,	110,23	100,00
5760,000	1080,00	772,06	0,	0,27	0,	133,62	100,00
5760,000	1230,00	772,59	0,	0,23	0,	145,63	100,00
5760,000	2240,00	775,01	2,41	0,17	0,	199,48	100,00
5900,000	465,00	771,87	0,	0,86	0,	61,22	140,00
5900,000	820,00	772,79	0,	0,73	0,	79,45	140,00
5900,000	1125,00	773,18	0,	0,58	0,	89,13	140,00
5900,000	1900,00	775,39	2,21	0,39	0,	148,54	140,00
6000,000	465,00	772,63	0,	0,76	0,	44,12	100,00
6000,000	820,00	773,75	0,	0,96	0,	63,37	100,00
6000,000	1125,00	774,43	0,	1,25	0,	75,24	100,00
6000,000	1900,00	776,02	1,60	0,63	0,	99,88	100,00
6150,000	465,00	773,93	0,	1,30	0,	44,10	150,00
6150,000	820,00	775,29	0,	1,54	0,	67,37	150,00
6150,000	1125,00	776,17	0,	1,74	0,	82,50	150,00
6150,000	1900,00	777,72	1,55	1,70	0,	105,89	150,00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6500,000	465,00	778,31	0,	4,38	0,	117,65	350,00
6500,000	820,00	779,23	0,	3,94	0,	140,68	350,00
6500,000	1125,00	779,86	0,	3,69	0,	156,53	350,00
6500,000	1900,00	781,15	1,29	3,43	0,	163,07	350,00
6550,000	465,00	779,30	0,	0,99	0,	117,53	50,00
6550,000	820,00	779,93	0,	0,70	0,	133,34	50,00
6550,000	1125,00	780,43	0,	0,56	0,	145,65	50,00
6550,000	1900,00	781,55	1,12	0,39	0,	170,96	50,00
* 6600,000	465,00	782,02	0,	2,72	0,	110,49	50,00
* 6600,000	820,00	782,76	0,	2,83	0,	128,93	50,00
* 6600,000	1125,00	783,15	0,	2,72	0,	138,64	50,00
* 6600,000	1900,00	783,93	0,79	2,39	0,	158,34	50,00
* 6660,000	465,00	785,99	0,	3,97	0,	223,82	60,00
* 6660,000	820,00	786,26	0,	3,50	0,	231,32	60,00
6660,000	1125,00	786,54	0,	3,39	0,	239,62	60,00
6660,000	1900,00	787,17	0,63	3,24	0,	258,33	60,00
* 6670,000	465,00	791,35	0,	5,36	0,	24,84	10,00
* 6670,000	820,00	792,44	0,	6,19	0,	28,74	10,00
* 6670,000	1125,00	793,15	0,	6,61	0,	31,27	10,00
* 6670,000	1900,00	794,87	1,72	7,69	0,	401,44	10,00

SUMMARY OF ERRORS

CAUTION SECNO= 500,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 500,000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 6600,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6660,000 PROFILE= 1 SLOPE TOO STEEP
CAUTION SECNO= 6660,000 PROFILE= 2 SLOPE TOO STEEP

CAUTION SECNO= 6670,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR PROGRAM 722-02Z LWR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND			10=	2=	0,2=
100,000	0,	-0,9	-0,1	1,5			
125,000	25,	-0,9	-0,1	1,5			
150,000	50,	-0,9	-0,1	1,5			
175,000	75,	-0,9	-0,1	1,5			
200,000	100,	-0,9	-0,1	1,5			
250,000	150,	-0,9	-0,1	1,5			
300,000	200,	-0,9	-0,1	1,5			
400,000	300,	-0,8	-0,1	1,4			
500,000	400,	-1,4	-0,2	2,6			
630,000	530,	-1,2	-0,1	1,8			
1590,000	1490,	-1,1	-0,1	2,0			
1900,000	1800,	-1,1	-0,1	1,9			
2200,000	2100,	-1,1	-0,2	1,8			
2900,000	2800,	-0,9	-0,2	1,4			
3600,000	3500,	-0,7	-0,1	1,2			
4500,000	4400,	-1,1	-0,3	1,4			
5540,000	5440,	-1,1	-0,3	1,4			
5590,000	5490,	-1,4	-0,6	3,0			
5611,000	5511,	-1,7	-0,6	2,5			
5660,000	5560,	-1,6	-0,5	2,4			
5760,000	5660,	-1,3	-0,4	2,2			
5900,000	5800,	-1,8	-0,7	1,6			
6000,000	5900,	-2,2	-0,9	1,6			
6150,000	6050,	-1,5	-0,6	1,3			
6500,000	6400,	-1,1	-0,5	1,1			
6550,000	6450,	-1,1	-0,4	0,8			
6600,000	6500,	-0,5	-0,3	0,6			
6660,000	6560,	-1,8	-0,7	1,7			
6670,000	6570,						
WEIGHTED AVG FOR REACH		-1,1	-0,2	1,7			

FHF FOR THE REACH = 010 WITH 92,4% OF THE REACH WITHIN 0,5 FEET ZONE FOR THE REACH = A 2

SEC 3. REMOVED BETWEEN
 584200 & 526020; NEW N.
 VALUE BOT. PROFILE USED UP TO
 526020, WITH BOT. OF CHAN
 WRITTEN FLAT. TO BE LANE
 13.32 LANE
 9/26/77

THIS RUN EXECUTED 20 SEP 77

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

No. 2

[Handwritten signature]

T1 GUILFORD COUNTY FIA STUDY - 10 YR NATURAL
 T2 FIA STUDY - DEEP RIVER, W,FORK DEEP RIVER
 T3 APR 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	759,300.	0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	1.000	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	150,000	201,000	0,000	0,000	0,000
NC	.160	.160	.030	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	9,000	4400,000	8200,000	10500,000	19000,000	10500,000	600,000	1000,000	1500,000	2000,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	8,400	0,000	0,000	0,000
ET	0,000	6,000	0,000	0,000	0,000	0,000	7,100	150,000	380,000	0,000
X1	582600,000	10,000	150,000	380,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	775,000	0,000	770,000	90,000	760,000	130,000	757,000	150,000	746,000	205,000
GR	746,000	332,000	757,000	380,000	760,000	400,000	770,000	420,000	775,000	430,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	150,000	380,000	0,000	0,000
X1	582700,000	0,000	0,000	0,000	100,000	100,000	100,000	1,000	.300	0,000
ET	0,000	0,000	0,000	0,000	0,000	8,400	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	150,000	380,000	0,000	0,000
X1	582800,000	0,000	0,000	0,000	100,000	100,000	100,000	1,000	.300	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	150,000	380,000	0,000	0,000
X1	583000,000	0,000	0,000	0,000	200,000	200,000	200,000	1,000	.400	0,000
ET	0,000	0,000	0,000	0,000	0,000	3,400	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	30,000	240,000	0,000	0,000
X1	584000,000	8,000	30,000	240,000	1100,000	1100,000	1100,000	0,000	0,000	0,000
GR	770,000	0,000	760,000	30,000	750,000	80,000	749,400	81,000	749,400	179,000
GR	750,000	180,000	760,000	240,000	770,000	250,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	30,000	240,000	0,000	0,000
X1	584200,000	0,000	0,000	0,000	100,000	100,000	100,000	1,000	.300	0,000

NC	.160	.160	.060	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	7.100	495.000	705.000	0.000	0.000
X1	586080.000	17.000	500.000	579.000	1880.000	1880.000	1880.000	0.000	0.000	0.000
GR	783.400	400.000	773.100	446.000	771.500	450.000	758.700	500.000	754.800	505.000
GR	754.500	535.000	755.400	550.000	755.400	571.000	758.800	579.000	759.000	600.000
GR	757.900	650.000	757.700	700.000	759.100	723.000	762.100	750.000	767.400	800.000
GR	773.000	850.000	785.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	9.000	4300.000	7900.000	10200.000	18500.000	10200.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	452.000	632.000	0.000	0.000
X1	588880.000	15.000	500.000	575.000	2800.000	2800.000	2800.000	0.000	0.000	0.000
GR	782.000	320.000	772.000	400.000	768.000	423.000	762.000	450.000	760.000	500.000
GR	755.500	506.000	756.700	536.000	755.400	560.000	759.700	575.000	758.700	600.000
GR	760.800	630.000	764.400	650.000	768.000	660.000	776.600	700.000	780.900	725.000
QT	9.000	4000.000	7300.000	9500.000	17200.000	9500.000	600.000	1000.000	1500.000	2000.000
ET	0.000	0.000	0.000	0.000	0.000	9.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	370.000	545.000	0.000	0.000
X1	591495.000	11.000	500.000	541.000	2615.000	2615.000	2615.000	0.000	0.000	0.000
GR	782.000	50.000	770.200	400.000	764.100	450.000	761.800	500.000	757.900	514.000
GR	755.900	525.000	757.900	536.000	760.000	541.000	762.800	547.000	769.800	560.000
GR	790.000	610.000	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	7.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	275.000	635.000	0.000	0.000
X1	591545.000	26.000	500.000	635.000	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	785.000	0.000	774.500	50.000	773.400	100.000	772.500	150.000	771.700	200.000
GR	770.800	250.000	769.800	300.000	769.300	350.000	770.400	400.000	771.300	430.000
GR	771.400	450.000	772.400	500.000	768.000	500.000	767.500	507.000	764.000	516.000
GR	761.700	550.000	760.500	560.000	758.000	565.000	755.800	580.000	759.700	597.000
GR	761.700	600.000	763.400	605.000	767.800	617.000	768.900	635.000	772.500	635.000
GR	790.000	800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.050	1.500	2.500	0.000	11.700	1.700	1074.800	4.110	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	275.000	635.000	0.000	0.000
X1	591575.000	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	19.000	0.000	775.600	0.000	50.000	774.500	0.000	100.000	773.400	0.000
BT	150.000	772.500	0.000	200.000	771.700	0.000	250.000	770.800	0.000	300.000
BT	769.800	0.000	350.000	769.300	0.000	400.000	770.400	0.000	430.000	771.300
BT	0.000	450.000	771.400	0.000	500.000	772.400	0.000	500.000	772.400	770.800
BT	635.000	772.500	770.800	635.000	772.500	0.000	650.000	772.700	0.000	700.000
BT	774.400	0.000	750.000	776.600	0.000	800.000	778.600	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	314.000	744.000	0.000	0.000
X1	591625.000	18.000	500.000	550.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	785.000	0.000	768.300	324.000	762.900	350.000	762.500	400.000	763.200	450.000
GR	763.600	470.000	762.000	500.000	755.900	508.000	755.600	520.000	759.000	532.000
GR	761.600	539.000	761.700	550.000	762.400	600.000	763.900	650.000	766.100	700.000
GR	768.600	750.000	772.100	800.000	790.000	920.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	11.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	467.000	687.000	0.000	0.000
X1	593880.000	14.000	500.000	550.000	2255.000	2255.000	2255.000	0.000	0.000	0.000
GR	790.000	350.000	773.100	450.000	770.100	463.000	765.000	477.000	764.400	500.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY - 50 YR NATURAL
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER
 T3 APR 1977 DLO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0,000000	0.00	0,0	0.	760.500	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	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= .200 CEHV= .400

*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
582600,000	14,50	760,50	0,00	760,50	760,64	.14	0,00	0,00	757,00
8200,	7,	8187,	7,	41,	2769,	40,	0,	0,	757,00
0,00	,17	2,96	,17	,160	,030	,160	0,000	746,00	128,00
,000131	0,	0,	0,	0	0	0	0,00	273,00	401,00
582700,000	14,21	760,51	0,00	0,00	760,65	.14	.01	.00	757,30
8200,	5,	8189,	5,	34,	2703,	34,	6,	1,	757,30
.01	,16	3,03	.16	,160	,030	.160	,030	746,30	129,15
,000142	100,	100,	100,	0	0	0	0,00	271,28	400,43
582800,000	13,92	760,52	0,00	0,00	760,67	.15	.01	.00	757,60
8200,	4,	8192,	4,	28,	2636,	28,	13,	1,	757,60
.02	,15	3,11	.15	,160	,030	.160	,030	746,60	130,51
,000154	100,	100,	100,	0	0	0	0,00	268,98	399,49
583000,000	13,55	760,55	0,00	0,00	760,71	.16	.03	.00	758,00
8200,	3,	8194,	3,	22,	2550,	22,	25,	2,	758,00
.04	,14	3,21	.14	,160	,030	.160	,030	747,00	133,00
,000173	200,	200,	200,	0	0	0	0,00	263,99	397,00

*SECNO 584000,000
 SECNO DEPTH CWSEL CRISW WSELK EG HV HL OLOSS BANK ELEV
 Q QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 GUILFORD COUNTY FIA STUDY - 100 YR NATURAL
 T2 FIA STUDY - DEEP RIVER, W,FORK DEEP RIVER
 T3 APR 1977 DLQ

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	4.	0.	0.	0,000000	0,00	0,0	0,	761,100	0,000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3,000	0,000	-1,000	0,000	0,000	0,000	0,000	0,000	0,000	15,000

*PROF 3

CCHV= .200 CEHV= .400

*SECNO 582600,000

SECNO	DEPTH	CWSEL	CHIWS	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
582600,00	15,10	761,10	0,00	761,10	761,30	.20	0,00	0,00	757,00
10500.	12.	10475.	12,	54.	2906.	53.	0,	0,	757,00
0,00	.23	3,60	.23	.160	.030	.160	0,000	746,00	125,60
.000182	0,	0,	0,	0	0	0	0,00	276,60	402,20

FLOW DISTRIBUTION FOR SECNO= 582600,00 CWSEL= 761,10

STA=	126,	150,	380,	400,	402,
PER Q=	.1	99,8	.1	.0	
AREA=	54,4	2906,5	52,0	1,2	
VEL=	.2	3,6	.2	.1	

*SECNO 582700,000

582700,00	14,81	761,11	0,00	0,00	761,32	.21	.02	.00	757,30
10500.	11.	10479.	11.	48.	2842.	47.	7.	1,	757,30
.01	.22	3,69	.22	.160	.030	.160	.030	746,30	126,73
.000197	100.	100.	100.	0	0	0	0,00	274,91	401,64

FLOW DISTRIBUTION FOR SECNO= 582700,00 CWSEL= 761,11

STA=	127,	150,	380,	400,	402,
PER Q=	.1	99,8	.1	.0	
AREA=	47,7	2841,7	46,4	.7	
VEL=	.2	3,7	.2	.1	

*SECNO 582800,000

582800,00	14,53	761,13	0,00	0,00	761,35	.22	.02	.00	757,60
10500.	9.	10482.	9.	41.	2776.	41.	13.	1,	757,60

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY - 500 YR NATURAL
 T2 FIA STUDY-DEEP RIVER,W,FORK DEEP RIVER
 T3 APR 1977 DLO

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.000000	0.00	0.0	0.	763,300	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	0.000

*PROF 4

CCHV= .200 CEHV= .400

*SECNO 582600,000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
582600.00	17,30	763,30	0,00	763,30	763,77	.47	0,00	0,00	757,00
19000,	52,	18899,	49,	118,	3412,	107,	0,	0,	757,00
0.00	.44	5,54	.46	.160	.030	.160	0.000	746,00	116,80
.000347	0.	0.	0.	0	0	0	0,00	289,80	406,60

*SECNO 582700,000

582700.00	17,03	763,33	0,00	0,00	763,82	.49	.04	.01	757,30
19000,	48,	18906,	46,	109,	3351,	100,	8,	1,	757,30
.00	.44	5,64	.46	.160	.030	.160	.030	746,30	117,86
.000369	100.	100.	100.	0	0	0	0,00	288,21	406,07

*SECNO 582800,000

582800.00	16,75	763,35	0,00	0,00	763,86	.51	.04	.01	757,60
19000,	44,	18913,	43,	100,	3288,	93,	16,	1,	757,60
.01	.44	5,75	.46	.160	.030	.160	.030	746,60	118,96
.000394	100.	100.	100.	0	0	0	0,00	286,57	405,52

*SECNO 583000,000

583000.00	16,42	763,42	0,00	0,00	763,95	.54	.08	.01	758,00
19000,	40,	18922,	38,	90,	3212,	84,	32,	3,	758,00
.02	.44	5,89	.45	.160	.030	.160	.030	747,00	120,29
.000426	200.	200.	200.	0	0	0	0,00	284,57	404,86

*SECNO 584000,000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

APR 1977 DLQ
 SUMMARY PRINTOUT

SECNO	CHSEL	EG	ELMIN	ELLC
582600.000	759.30	759.35	746.00	0.00
582600.000	760.50	760.64	746.00	0.00
582600.000	761.10	761.30	746.00	0.00
582600.000	763.30	763.77	746.00	0.00
582700.000	759.30	759.36	746.30	0.00
582700.000	760.51	760.65	746.30	0.00
582700.000	761.11	761.32	746.30	0.00
582700.000	763.33	763.82	746.30	0.00
582800.000	759.31	759.36	746.60	0.00
582800.000	760.52	760.67	746.60	0.00
582800.000	761.13	761.35	746.60	0.00
582800.000	763.35	763.86	746.60	0.00
583000.000	759.32	759.38	747.00	0.00
583000.000	760.55	760.71	747.00	0.00
583000.000	761.10	761.40	747.00	0.00
583000.000	763.42	763.95	747.00	0.00
584000.000	759.41	759.55	749.40	0.00
584000.000	760.75	761.08	749.40	0.00
584000.000	761.43	761.90	749.40	0.00
584000.000	763.85	764.80	749.40	0.00
584200.000	759.43	759.58	749.70	0.00
584200.000	760.79	761.15	749.70	0.00
584200.000	761.48	761.98	749.70	0.00
584200.000	763.92	764.92	749.70	0.00
586080.000	760.52	761.61	754.50	0.00
586080.000	763.17	764.31	754.50	0.00
586080.000	764.39	765.62	754.50	0.00
586080.000	767.91	769.50	754.50	0.00
588880.000	768.14	768.31	755.40	0.00
588880.000	771.46	771.74	755.40	0.00
588880.000	773.11	773.46	755.40	0.00
588880.000	777.81	778.37	755.40	0.00

SECNO	CWSEL	EG	ELMIN	ELLC
591495,000	771,14	771,51	755,90	0,00
591495,000	775,03	775,53	755,90	0,00
591495,000	776,96	777,51	755,90	0,00
591495,000	782,21	782,83	755,90	0,00
591545,000	771,44	771,62	755,80	0,00
591545,000	775,49	775,65	755,80	0,00
591545,000	777,49	777,64	755,80	0,00
591545,000	782,80	782,97	755,80	0,00
591575,000	771,49	771,66	755,80	770,80
591575,000	775,52	775,67	755,80	770,80
591575,000	777,53	777,68	755,80	770,80
591575,000	782,90	783,07	755,80	770,80
591625,000	771,67	771,72	755,60	0,00
591625,000	775,65	775,72	755,60	0,00
591625,000	777,65	777,72	755,60	0,00
591625,000	783,02	783,11	755,60	0,00
593880,000	773,05	773,29	756,20	0,00
593880,000	776,97	777,26	756,20	0,00
593880,000	778,97	779,30	756,20	0,00
593880,000	784,36	784,76	756,20	0,00
597127,000	776,06	776,18	758,40	0,00
597127,000	780,02	780,17	758,40	0,00
597127,000	782,06	782,22	758,40	0,00
597127,000	787,52	787,70	758,40	0,00
597197,000	776,05	776,29	760,20	0,00
597197,000	779,95	780,33	760,20	0,00
597197,000	781,94	782,41	760,20	0,00
597197,000	787,29	787,97	760,20	0,00
597283,000	776,07	776,31	760,20	778,00
597283,000	780,52	780,86	760,20	778,00
597283,000	782,98	783,39	760,20	778,00
597283,000	787,57	788,21	760,20	778,00
597333,000	776,25	776,38	758,40	0,00
597333,000	780,83	780,95	758,40	0,00
597333,000	783,37	783,49	758,40	0,00
597333,000	788,20	788,36	758,40	0,00
597999,000	776,70	776,83	759,00	0,00
597999,000	781,20	781,33	759,00	0,00
597999,000	783,71	783,84	759,00	0,00
597999,000	788,60	788,76	759,00	0,00

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SUMMARY PRINTOUT

SECNO	CWSEL	QLOB	QCH	OROB	VLOB	VCH	VR08
582600,000	759,30	1,31	4397,39	1,31	,07	1,76	,07
582600,000	760,50	6,72	8186,57	6,71	,17	2,96	,17
582600,000	761,10	12,44	10475,23	12,33	,23	3,60	,23
582600,000	763,30	52,10	18898,51	49,39	,44	5,54	,46
582700,000	759,30	,95	4398,10	,95	,07	1,81	,07
582700,000	760,51	5,39	8189,22	5,39	,16	3,03	,16
582700,000	761,11	10,59	10478,86	10,54	,22	3,69	,22
582700,000	763,33	48,27	18905,69	46,03	,44	5,64	,46
582800,000	759,31	,65	4398,70	,65	,07	1,87	,07
582800,000	760,52	4,20	8191,60	4,20	,15	3,11	,15
582800,000	761,13	8,80	10482,42	8,78	,21	3,78	,21
582800,000	763,35	44,38	18913,03	42,59	,44	5,75	,46
583000,000	759,32	,35	4399,30	,35	,06	1,94	,06
583000,000	760,55	3,08	8193,83	3,08	,14	3,21	,14
583000,000	761,16	6,64	10486,71	6,64	,20	3,90	,20
583000,000	763,42	39,74	18921,84	38,42	,44	5,89	,45
584000,000	759,41	0,00	4400,00	0,00	0,00	2,96	0,00
584000,000	760,75	,09	8199,89	,02	,11	4,64	,09
584000,000	761,43	,55	10499,29	,15	,18	5,50	,15
584000,000	763,85	9,64	18987,72	2,64	,43	7,86	,36
584200,000	759,43	0,00	4400,00	0,00	0,00	3,08	0,00
584200,000	760,79	,03	8199,96	,01	,08	4,79	,07
584200,000	761,48	,35	10499,55	,10	,17	5,66	,14
584200,000	763,92	8,46	18989,22	2,32	,43	8,02	,35
586080,000	760,52	6,76	3744,64	648,60	1,05	9,07	1,96
586080,000	763,17	61,42	6097,24	2041,34	1,58	9,80	2,63
586080,000	764,39	112,79	7464,10	2923,11	1,79	10,38	2,91
586080,000	767,91	588,23	12249,87	6361,90	2,34	12,28	3,65
588880,000	768,14	414,24	3231,67	654,09	,94	3,70	1,08
588880,000	771,46	980,70	5553,36	1365,94	1,34	4,95	1,49
588880,000	773,11	1385,59	6969,37	1845,05	1,54	5,60	1,69
588880,000	777,81	3054,73	11754,34	3690,93	2,03	7,36	2,23
591495,000	771,14	845,43	2992,26	162,31	1,36	5,62	1,31
591495,000	775,03	2149,55	4772,90	377,54	1,60	6,90	1,65
591495,000	776,96	3184,00	5786,34	529,66	1,70	7,51	1,79
591495,000	782,21	7486,70	8628,40	1084,90	1,94	8,75	2,08
591545,000	771,44	0,00	4000,00	0,00	0,00	3,37	0,00
591545,000	775,49	1246,28	6039,87	13,85	,68	3,48	,33
591545,000	777,49	2213,81	7235,25	50,74	,81	3,61	,43
591545,000	782,80	5780,61	11095,18	324,20	1,10	4,08	,65
591575,000	771,49	0,00	4000,00	0,00	0,00	3,35	0,00
591575,000	775,52	1252,26	6033,66	14,08	,68	3,47	,33
591575,000	777,53	2223,82	7224,48	51,70	,80	3,60	,43
591575,000	782,90	5804,23	11066,54	329,24	1,09	4,05	,65

SECNO	CWSEL	QL0B	OCH	OR0B	VL0B	VCH	VR0B
591625,000	771,67	1176,72	1742,29	1080,99	,74	2,66	,71
591625,000	775,65	2369,85	2661,58	2268,56	,88	3,12	,89
591625,000	777,65	3204,53	3226,25	3069,22	,95	3,38	,98
591625,000	783,02	6316,61	5006,03	5877,36	1,13	4,10	1,24
593880,000	773,05	347,64	2861,74	790,62	1,21	4,55	1,05
593880,000	776,97	775,54	4472,73	2051,73	1,47	5,42	1,36
593880,000	778,97	1086,99	5432,83	2980,18	1,58	5,87	1,50
593880,000	784,36	2286,85	8373,38	6539,77	1,86	7,01	1,83
597127,000	776,06	417,96	2500,50	1081,54	,72	3,53	,85
597127,000	780,02	1146,07	3715,44	2438,49	,95	4,15	1,10
597127,000	782,06	1732,50	4401,61	3365,89	1,04	4,44	1,21
597127,000	787,52	4145,65	6445,49	6608,86	1,25	5,17	1,49
597197,000	776,05	0,00	4000,00	0,00	0,00	3,93	0,00
597197,000	779,95	0,00	7300,00	0,00	0,00	4,93	0,00
597197,000	781,94	0,00	9500,00	0,00	0,00	5,53	0,00
597197,000	787,29	444,91	16105,42	649,67	,87	6,82	,92
597283,000	776,07	0,00	4000,00	0,00	0,00	3,92	0,00
597283,000	780,52	0,00	7300,00	0,00	0,00	4,72	0,00
597283,000	782,98	,20	9497,03	2,77	,09	5,15	,15
597283,000	787,57	494,16	15993,42	712,42	,87	6,68	,93
597333,000	776,25	517,67	2269,26	1213,07	,80	3,70	,88
597333,000	780,83	1349,70	3262,86	2687,43	,94	4,07	1,07
597333,000	783,37	2027,31	3791,91	3680,78	,98	4,18	1,13
597333,000	788,20	4471,03	5733,01	6995,97	1,23	5,19	1,46
597999,000	776,70	508,74	2290,82	1200,44	,81	3,77	,90
597999,000	781,20	1330,65	3297,66	2671,69	,96	4,16	1,09
597999,000	783,71	2000,68	3833,73	3665,59	1,00	4,28	1,15
597999,000	788,60	4440,40	5772,57	6987,03	1,25	5,27	1,48

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SUMMARY PRINTOUT TABLE 150

SEGN0	XLCH	ELTRD	ELLC	ELMIN	0	CWSEL	CRWS	EG	10K+S	VCH	AREA
582600.000	0.00	0.00	0.00	746.00	4400.00	759.30	0.00	759.35	.54	1.76	2527.
582600.000	0.00	0.00	0.00	746.00	8200.00	760.50	0.00	760.64	1.31	2.96	2849.
582600.000	0.00	0.00	0.00	746.00	10500.00	761.10	0.00	761.30	1.82	3.60	3014.
582600.000	0.00	0.00	0.00	746.00	19000.00	763.30	0.00	763.77	3.47	5.54	3637.
582700.000	100.00	0.00	0.00	746.30	4400.00	759.30	0.00	759.36	.59	1.81	2451.
582700.000	100.00	0.00	0.00	746.30	8200.00	760.51	0.00	760.65	1.42	3.03	2771.
582700.000	100.00	0.00	0.00	746.30	10500.00	761.11	0.00	761.32	1.97	3.69	2936.
582700.000	100.00	0.00	0.00	746.30	19000.00	763.33	0.00	763.82	3.69	5.64	3560.
582800.000	100.00	0.00	0.00	746.60	4400.00	759.31	0.00	759.36	.65	1.87	2376.
582800.000	100.00	0.00	0.00	746.60	8200.00	760.52	0.00	760.67	1.54	3.11	2692.
582800.000	100.00	0.00	0.00	746.60	10500.00	761.13	0.00	761.35	2.13	3.78	2858.
582800.000	100.00	0.00	0.00	746.60	19000.00	763.35	0.00	763.86	3.94	5.75	3481.
583000.000	200.00	0.00	0.00	747.00	4400.00	759.32	0.00	759.38	.74	1.94	2278.
583000.000	200.00	0.00	0.00	747.00	8200.00	760.55	0.00	760.71	1.73	3.21	2593.
583000.000	200.00	0.00	0.00	747.00	10500.00	761.16	0.00	761.40	2.36	3.90	2759.
583000.000	200.00	0.00	0.00	747.00	19000.00	763.42	0.00	763.95	4.26	5.89	3386.
584000.000	1100.00	0.00	0.00	749.40	4400.00	759.41	0.00	759.55	2.56	2.96	1485.
584000.000	1100.00	0.00	0.00	749.40	8200.00	760.75	0.00	761.08	5.20	4.64	1767.
584000.000	1100.00	0.00	0.00	749.40	10500.00	761.43	0.00	761.90	6.60	5.50	1911.
584000.000	1100.00	0.00	0.00	749.40	19000.00	763.85	0.00	764.80	9.81	7.86	2446.
584200.000	100.00	0.00	0.00	749.70	4400.00	759.43	0.00	759.58	2.84	3.08	1430.
584200.000	100.00	0.00	0.00	749.70	8200.00	760.79	0.00	761.15	5.79	4.79	1711.
584200.000	100.00	0.00	0.00	749.70	10500.00	761.48	0.00	761.98	7.24	5.66	1858.
584200.000	100.00	0.00	0.00	749.70	19000.00	763.92	0.00	764.92	10.49	8.02	2395.
586080.000	1880.00	0.00	0.00	754.50	4400.00	760.52	0.00	761.61	153.14	9.07	749.
586080.000	1880.00	0.00	0.00	754.50	8200.00	763.17	0.00	764.31	103.42	9.80	1438.
586080.000	1880.00	0.00	0.00	754.50	10500.00	764.39	0.00	765.62	95.75	10.38	1787.
586080.000	1880.00	0.00	0.00	754.50	19000.00	767.91	0.00	769.50	86.57	12.28	2906.
588880.000	2800.00	0.00	0.00	755.40	4300.00	768.14	0.00	768.31	8.80	3.70	1920.
588880.000	2800.00	0.00	0.00	755.40	7900.00	771.46	0.00	771.74	11.25	4.95	2770.
588880.000	2800.00	0.00	0.00	755.40	10200.00	773.11	0.00	773.46	12.51	5.60	3235.
588880.000	2800.00	0.00	0.00	755.40	18500.00	777.81	0.00	778.37	15.51	7.36	4751.
591495.000	2615.00	0.00	0.00	755.90	4000.00	771.14	0.00	771.51	17.62	5.62	1277.
591495.000	2615.00	0.00	0.00	755.90	7300.00	775.03	0.00	775.53	18.71	6.90	2264.
591495.000	2615.00	0.00	0.00	755.90	9500.00	776.96	0.00	777.51	19.15	7.51	2935.
591495.000	2615.00	0.00	0.00	755.90	17200.00	782.21	0.00	782.83	18.76	8.75	5360.
591545.000	50.00	0.00	0.00	755.80	4000.00	771.44	0.00	771.62	11.19	3.37	1187.
591545.000	50.00	0.00	0.00	755.80	7300.00	775.49	0.00	775.65	7.35	3.48	3604.
591545.000	50.00	0.00	0.00	755.80	9500.00	777.49	0.00	777.64	6.52	3.61	4865.
591545.000	50.00	0.00	0.00	755.80	17200.00	782.80	0.00	782.97	5.53	4.08	8496.
591575.000	30.00	769.30	770.80	755.80	4000.00	771.49	0.00	771.66	11.00	3.35	1193.
591575.000	30.00	769.30	770.80	755.80	7300.00	775.52	0.00	775.67	7.29	3.47	3619.
591575.000	30.00	769.30	770.80	755.80	9500.00	777.53	0.00	777.68	6.44	3.60	4890.
591575.000	30.00	769.30	770.80	755.80	17200.00	782.90	0.00	783.07	5.41	4.05	8570.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
591625.000	50.00	0.00	0.00	755.60	4000.00	771.67	0.00	771.72	4.04	2.66	3766.
591625.000	50.00	0.00	0.00	755.60	7300.00	775.65	0.00	775.72	3.89	3.12	6119.
591625.000	50.00	0.00	0.00	755.60	9500.00	777.65	0.00	777.72	3.95	3.38	7456.
591625.000	50.00	0.00	0.00	755.60	17200.00	783.02	0.00	783.11	4.16	4.10	11557.
593880.000	2255.00	0.00	0.00	756.20	4000.00	773.05	0.00	773.29	12.83	4.55	1672.
593880.000	2255.00	0.00	0.00	756.20	7300.00	776.97	0.00	777.26	12.69	5.42	2862.
593880.000	2255.00	0.00	0.00	756.20	9500.00	778.97	0.00	779.30	12.78	5.87	3597.
593880.000	2255.00	0.00	0.00	756.20	17200.00	784.36	0.00	784.76	12.95	7.01	5991.
597127.000	3247.00	0.00	0.00	758.40	4000.00	776.06	0.00	776.18	6.46	3.53	2554.
597127.000	3247.00	0.00	0.00	758.40	7300.00	780.02	0.00	780.17	6.54	4.15	4314.
597127.000	3247.00	0.00	0.00	758.40	9500.00	782.06	0.00	782.22	6.54	4.44	5434.
597127.000	3247.00	0.00	0.00	758.40	17200.00	787.52	0.00	787.70	6.50	5.17	9008.
597197.000	70.00	0.00	0.00	760.20	4000.00	776.05	0.00	776.29	13.50	3.93	1017.
597197.000	70.00	0.00	0.00	760.20	7300.00	779.95	0.00	780.33	15.87	4.93	1479.
597197.000	70.00	0.00	0.00	760.20	9500.00	781.94	0.00	782.41	16.99	5.53	1718.
597197.000	70.00	0.00	0.00	760.20	17200.00	787.29	0.00	787.97	17.19	6.82	3578.
597283.000	86.00	782.60	778.00	760.20	4000.00	776.07	0.00	776.31	13.42	3.92	1019.
597283.000	86.00	782.60	778.00	760.20	7300.00	780.52	0.00	780.86	13.82	4.72	1547.
597283.000	86.00	782.60	778.00	760.20	9500.00	782.98	0.00	783.39	13.63	5.15	1864.
597283.000	86.00	782.60	778.00	760.20	17200.00	787.57	0.00	788.21	15.18	6.68	3724.
597333.000	50.00	0.00	0.00	758.40	4000.00	776.25	0.00	776.38	6.54	3.70	2640.
597333.000	50.00	0.00	0.00	758.40	7300.00	780.83	0.00	780.95	5.56	4.07	4759.
597333.000	50.00	0.00	0.00	758.40	9500.00	783.37	0.00	783.49	5.00	4.18	6234.
597333.000	50.00	0.00	0.00	758.40	17200.00	788.20	0.00	788.36	5.91	5.19	9526.
597999.000	666.00	0.00	0.00	759.00	4000.00	776.70	0.00	776.83	6.91	3.77	2578.
597999.000	666.00	0.00	0.00	759.00	7300.00	781.20	0.00	781.33	5.91	4.16	4633.
597999.000	666.00	0.00	0.00	759.00	9500.00	783.71	0.00	783.84	5.31	4.28	6074.
597999.000	666.00	0.00	0.00	759.00	17200.00	788.60	0.00	788.76	6.15	5.27	9373.

APR 1977

DLO

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
582600.000	4400.00	759.30	0.00	0.00	0.00	260.67	0.00
582600.000	8200.00	760.50	0.00	0.00	0.00	273.00	0.00
582600.000	10500.00	761.10	0.00	0.00	0.00	276.60	0.00
582600.000	19000.00	763.30	2.20	0.00	0.00	289.80	0.00
582700.000	4400.00	759.30	0.00	.00	0.00	256.74	100.00
582700.000	8200.00	760.51	0.00	.01	0.00	271.28	100.00
582700.000	10500.00	761.11	0.00	.01	0.00	274.91	100.00
582700.000	19000.00	763.33	2.21	.03	0.00	288.21	100.00
582800.000	4400.00	759.31	0.00	.00	0.00	252.79	100.00
582800.000	8200.00	760.52	0.00	.01	0.00	268.98	100.00
582800.000	10500.00	761.13	0.00	.01	0.00	273.19	100.00
582800.000	19000.00	763.35	2.22	.03	0.00	286.57	100.00
583000.000	4400.00	759.32	0.00	.01	0.00	247.61	200.00
583000.000	8200.00	760.55	0.00	.03	0.00	263.99	200.00
583000.000	10500.00	761.16	0.00	.04	0.00	271.01	200.00
583000.000	19000.00	763.42	2.25	.07	0.00	284.57	200.00
584000.000	4400.00	759.41	0.00	.09	0.00	203.43	1100.00
584000.000	8200.00	760.75	0.00	.20	0.00	212.99	1100.00
584000.000	10500.00	761.43	0.00	.27	0.00	215.68	1100.00
584000.000	19000.00	763.85	2.42	.43	0.00	225.39	1100.00
584200.000	4400.00	759.43	0.00	.02	0.00	200.39	100.00
584200.000	8200.00	760.79	0.00	.04	0.00	211.93	100.00
584200.000	10500.00	761.48	0.00	.05	0.00	214.70	100.00
584200.000	19000.00	763.92	2.44	.08	0.00	224.47	100.00
586080.000	4400.00	760.52	0.00	1.09	0.00	242.79	1880.00
586080.000	8200.00	763.17	0.00	2.38	0.00	277.46	1880.00
586080.000	10500.00	764.39	0.00	2.91	0.00	293.78	1880.00
586080.000	19000.00	767.91	3.52	3.99	0.00	340.56	1880.00
588880.000	4300.00	768.14	0.00	7.62	0.00	238.49	2800.00
588880.000	7900.00	771.46	0.00	8.29	0.00	273.04	2800.00
588880.000	10200.00	773.11	0.00	8.72	0.00	292.69	2800.00
588880.000	18500.00	777.81	4.70	9.89	0.00	353.53	2800.00
591495.000	4000.00	771.14	0.00	3.00	0.00	191.11	2615.00
591495.000	7300.00	775.03	0.00	3.56	0.00	316.14	2615.00
591495.000	9500.00	776.96	0.00	3.85	0.00	378.29	2615.00
591495.000	17200.00	782.21	5.24	4.40	0.00	540.71	2615.00
591545.000	4000.00	771.44	0.00	.31	0.00	135.00	50.00
591545.000	7300.00	775.49	0.00	.46	0.00	617.94	50.00
591545.000	9500.00	777.49	0.00	.52	0.00	646.25	50.00
591545.000	17200.00	782.80	5.31	.59	0.00	721.58	50.00
591575.000	4000.00	771.49	0.00	.05	0.00	135.00	30.00
591575.000	7300.00	775.52	0.00	.02	0.00	618.27	30.00
591575.000	9500.00	777.53	0.00	.04	0.00	646.80	30.00
591575.000	17200.00	782.90	5.37	.10	0.00	723.04	30.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
591625.000	4000.00	771.67	0.00	.18	0.00	535.15	50.00
591625.000	7300.00	775.65	0.00	.14	0.00	642.49	50.00
591625.000	9500.00	777.65	0.00	.13	0.00	694.69	50.00
591625.000	17200.00	783.02	5.36	.12	0.00	834.71	50.00
593880.000	4000.00	773.05	0.00	1.39	0.00	262.72	2255.00
593880.000	7300.00	776.97	0.00	1.32	0.00	345.24	2255.00
593880.000	9500.00	778.97	0.00	1.32	0.00	387.50	2255.00
593880.000	17200.00	784.36	5.39	1.35	0.00	501.12	2255.00
597127.000	4000.00	776.06	0.00	3.00	0.00	386.33	3247.00
597127.000	7300.00	780.02	0.00	3.05	0.00	521.06	3247.00
597127.000	9500.00	782.06	0.00	3.09	0.00	578.05	3247.00
597127.000	17200.00	787.52	5.46	3.16	0.00	730.75	3247.00
597197.000	4000.00	776.05	0.00	-.01	0.00	107.51	70.00
597197.000	7300.00	779.95	0.00	-.07	0.00	120.00	70.00
597197.000	9500.00	781.94	0.00	-.12	0.00	120.00	70.00
597197.000	17200.00	787.29	5.35	-.23	0.00	518.72	70.00
597283.000	4000.00	776.07	0.00	.02	0.00	107.60	86.00
597283.000	7300.00	780.52	0.00	.57	0.00	120.00	86.00
597283.000	9500.00	782.98	0.00	1.04	0.00	213.08	86.00
597283.000	17200.00	787.57	4.59	.28	0.00	529.70	86.00
597333.000	4000.00	776.25	0.00	.18	0.00	393.41	50.00
597333.000	7300.00	780.83	0.00	.31	0.00	543.52	50.00
597333.000	9500.00	783.37	0.00	.39	0.00	614.71	50.00
597333.000	17200.00	788.20	4.83	.63	0.00	749.63	50.00
597999.000	4000.00	776.70	0.00	.44	0.00	390.24	666.00
597999.000	7300.00	781.20	0.00	.38	0.00	537.28	666.00
597999.000	9500.00	783.71	0.00	.34	0.00	607.40	666.00
597999.000	17200.00	788.60	4.88	.40	0.00	743.92	666.00

SUMMARY OF ERRORS

E 000

THIS RUN EXECUTED 20 SEP 77 10.04

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY 10 YR FLOOD
 T2 TRIBUTARY-95 RICH FORK TRIB.
 T3 MARCH 1977 DWL

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	6.	0.	0.	0,000000	0,00	0,0	0.	753,480	0,000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN(M)	ITRACE
	1,000	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	150,000	201,000	0,000	0,000	0,000
NC	,120	,120	,060	,200	,400	0,000	0,000	0,000	0,000	0,000
QT	7,000	1950,000	1950,000	1950,000	1950,000	1040,000	1670,000	3120,000	0,000	0,000
ET	0,000	0,000	10,400	8,400	6,400	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1800,000	14,000	500,000	525,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	790,000	120,000	772,900	300,000	768,600	350,000	761,500	400,000	754,400	450,000
GR	750,100	500,000	745,700	504,000	744,800	511,000	744,900	516,000	750,300	525,000
GR	753,500	550,000	764,900	600,000	773,400	650,000	790,000	740,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1805,000	0,000	0,000	0,000	5,000	5,000	5,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1810,000	0,000	0,000	0,000	5,000	5,000	5,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1815,000	0,000	0,000	0,000	5,000	5,000	5,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1820,000	0,000	0,000	0,000	5,000	5,000	5,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000
X1	1830,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000

X1	1850.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
ET	0.000	0.000	5.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	475.000	535.000	0.000	0.000	0.000	0.000	0.000
X1	4400.000	17.000	500.000	535.000	2550.000	2550.000	2550.000	0.000	0.000	0.000
GR	800.000	260.000	784.400	300.000	779.100	350.000	776.900	400.000	775.000	411.000
GR	764.300	432.000	763.500	450.000	761.400	500.000	755.400	512.000	756.000	519.000
GR	755.300	527.000	761.400	535.000	762.500	550.000	766.000	584.000	769.900	600.000
GR	780.400	650.000	800.000	810.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	485.000	535.000	0.000	0.000	0.000	0.000	0.000
X1	4500.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.700	0.000
ET	0.000	0.000	4.100	485.000	535.000	0.000	0.000	0.000	0.000	0.000
X1	4600.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.700	0.000
ET	0.000	0.000	4.100	485.000	535.000	0.000	0.000	0.000	0.000	0.000
X1	4700.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.700	0.000
ET	0.000	0.000	4.100	485.000	535.000	0.000	0.000	0.000	0.000	0.000
X1	4800.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	.700	0.000
ET	0.000	0.000	4.100	500.000	550.000	0.000	0.000	0.000	0.000	0.000
X1	7325.000	12.000	500.000	542.000	2525.000	2525.000	2525.000	0.000	0.000	0.000
GR	810.000	180.000	800.000	340.000	790.000	380.000	782.100	500.000	776.900	505.000
GR	776.400	510.000	777.000	518.000	781.100	525.000	782.200	542.000	787.600	558.000
GR	800.000	600.000	810.000	650.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	8.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	503.000	553.000	0.000	0.000	0.000	0.000	0.000
X1	7374.000	38.000	517.000	543.500	49.000	49.000	49.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	784.700	784.700	0.000
GR	811.200	310.000	808.700	334.000	806.600	350.000	798.700	400.000	795.800	415.000
GR	790.500	440.000	787.400	470.000	786.700	500.000	781.100	509.000	780.400	513.000
GR	777.200	517.000	777.200	517.100	777.200	518.000	777.200	520.000	777.200	523.000
GR	777.200	526.000	777.200	528.000	777.200	528.900	777.200	529.000	777.200	531.500
GR	777.200	531.600	777.200	532.500	777.200	534.500	777.200	537.500	777.200	540.500
GR	777.200	542.500	777.200	543.400	777.200	543.500	781.700	550.000	786.800	560.000
GR	784.100	563.000	788.400	571.000	788.000	600.000	792.600	650.000	797.500	686.000
GR	799.400	700.000	805.200	750.000	810.000	780.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	503.000	553.000	0.000	0.000	0.000	0.000	0.000
X1	7375.000	38.000	517.000	543.500	1.000	1.000	1.000	0.000	0.000	0.000
BT	38.000	50.000	810.000	810.000	200.000	797.400	797.400	250.000	793.400	793.400
BT	300.000	791.900	791.900	350.000	789.900	789.900	400.000	788.200	788.200	450.000
BT	786.900	786.900	500.000	786.200	786.200	509.000	786.200	781.100	513.000	786.200
BT	780.400	517.000	786.200	777.200	517.100	786.200	779.700	518.000	786.200	782.100
BT	520.000	786.200	784.000	523.000	786.200	784.700	526.000	786.200	784.000	528.000
BT	786.200	782.100	528.900	786.200	779.700	529.000	786.200	777.200	531.500	786.200
BT	777.200	531.600	786.200	779.700	532.500	786.200	782.100	534.500	786.200	784.000
BT	537.500	786.200	784.700	540.500	786.200	784.000	542.500	786.200	782.100	543.400
BT	786.200	779.700	543.500	786.200	777.200	550.000	786.200	781.700	560.000	786.200
BT	786.200	600.000	787.200	787.200	612.000	787.400	787.400	650.000	788.500	788.500
BT	700.000	791.000	791.000	750.000	794.400	794.400	800.000	798.400	798.400	850.000
BT	801.800	801.800	1000.000	810.000	810.000	0.000	0.000	0.000	0.000	0.000
GR	810.000	50.000	797.400	200.000	794.300	250.000	791.900	300.000	789.900	350.000
GR	788.200	400.000	786.900	450.000	786.200	500.000	781.100	509.000	780.400	513.000
GR	777.200	517.000	777.200	517.100	777.200	518.000	777.200	520.000	777.200	523.000

GR	777,200	526,000	777,200	528,000	777,200	528,900	777,200	529,000	777,200	531,500
GR	777,200	531,600	777,200	532,500	777,200	534,500	777,200	537,500	777,200	540,500
GR	777,200	542,500	777,200	543,400	777,200	543,500	781,700	550,000	786,800	560,000
GR	787,200	600,000	787,400	612,000	788,500	650,000	791,000	700,000	794,400	750,000
GR	798,400	800,000	801,800	850,000	810,000	1000,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	477,000	557,000	0,000	0,000	0,000	0,000	0,000

X1	7424,000	0,000	0,000	0,000	49,000	49,000	49,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	560,000	0,000	0,000	0,000	0,000	0,000

X1	7425,000	38,000	517,000	543,500	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	786,200	786,200	0,000
GR	811,200	310,000	808,700	334,000	806,600	350,000	798,700	400,000	795,800	415,000
GR	790,500	440,000	787,400	470,000	786,700	500,000	781,100	509,000	780,400	513,000
GR	777,200	517,000	777,200	517,100	777,200	518,000	777,200	520,000	777,200	523,000
GR	777,200	526,000	777,200	528,000	777,200	528,900	777,200	529,000	777,200	531,500
GR	777,200	531,600	777,200	532,500	777,200	534,500	777,200	537,500	777,200	540,500
GR	777,200	542,500	777,200	543,400	777,200	543,500	781,700	550,000	786,800	560,000
GR	784,100	563,000	788,400	571,000	788,000	600,000	792,600	650,000	797,500	686,000
GR	799,400	700,000	805,200	750,000	810,000	780,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	500,000	550,000	0,000	0,000	0,000	0,000	0,000

X1	7475,000	20,000	500,000	535,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	811,200	310,000	808,700	334,000	806,600	350,000	798,700	400,000	795,800	415,000
GR	790,500	440,000	787,400	470,000	787,700	500,000	778,300	509,000	777,800	520,000
GR	778,600	528,000	782,200	535,000	784,100	563,000	788,400	571,000	788,000	600,000
GR	792,600	650,000	797,500	686,000	799,400	700,000	805,200	750,000	810,000	780,000
ET	0,000	0,000	5,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000

X1	8440,000	21,000	500,000	525,000	965,000	965,000	965,000	0,000	0,000	0,000
GR	816,400	250,000	813,100	300,000	811,900	315,000	803,500	398,000	803,100	421,000
GR	801,800	450,000	801,400	423,000	790,400	471,000	788,300	500,000	784,200	506,000
GR	783,300	513,000	783,900	524,000	783,600	525,000	789,600	533,000	793,200	540,000
GR	792,500	571,000	794,100	600,000	795,600	642,000	797,900	650,000	808,700	700,000
GR	816,500	750,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
QT	7,000	1780,000	1780,000	1780,000	1780,000	950,000	1520,000	2650,000	0,000	0,000
ET	0,000	0,000	4,100	500,000	555,000	0,000	0,000	0,000	0,000	0,000

X1	9250,000	13,000	500,000	555,000	810,000	810,000	810,000	0,000	0,000	0,000
GR	824,700	350,000	818,900	400,000	809,200	450,000	798,100	500,000	792,300	519,000
GR	792,100	527,000	792,600	537,000	796,200	555,000	796,600	600,000	799,000	650,000
GR	800,800	700,000	811,600	750,000	820,900	800,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	9,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	499,000	549,000	0,000	0,000	0,000	0,000	0,000

X1	9300,000	12,000	499,000	518,000	50,000	50,000	50,000	0,000	0,300	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	798,000	798,000	0,000
GR	824,700	350,000	818,900	400,000	809,200	450,000	798,100	499,000	792,700	500,000
GR	792,700	517,000	796,200	518,000	796,600	563,000	799,000	613,000	800,800	663,000
GR	811,600	713,000	820,900	763,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	483,000	533,000	0,000	0,000	0,000	0,000	0,000

X1	9301,000	21,000	500,000	517,000	1,000	1,000	1,000	0,000	0,000	0,000
BT	21,000	200,000	823,700	823,700	250,000	820,900	820,900	300,000	818,300	818,300
BT	350,000	816,000	816,000	400,000	814,200	814,200	450,000	812,700	812,700	499,000
BT	812,100	812,100	500,000	812,100	800,800	508,000	812,100	800,800	508,100	812,100

GR	777,200	526,000	777,200	526,000	777,200	528,900	777,200	529,000	777,200	531,500
GR	777,200	531,600	777,200	532,500	777,200	534,500	777,200	537,500	777,200	540,500
GR	777,200	542,500	777,200	543,400	777,200	543,500	781,700	550,000	786,800	560,000
GR	787,200	600,000	787,400	612,000	788,500	650,000	791,000	700,000	794,400	750,000
GR	798,400	800,000	801,800	850,000	810,000	1000,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	477,000	557,000	0,000	0,000	0,000	0,000	0,000

X1	7424,000	0,000	0,000	0,000	49,000	49,000	49,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	560,000	0,000	0,000	0,000	0,000	0,000

X1	7425,000	38,000	517,000	543,500	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	786,200	786,200	0,000
GR	811,200	310,000	808,700	334,000	806,600	350,000	798,700	400,000	795,800	415,000
GR	790,500	440,000	787,400	470,000	786,700	500,000	781,100	509,000	780,400	513,000
GR	777,200	517,000	777,200	517,100	777,200	518,000	777,200	520,000	777,200	523,000
GR	777,200	526,000	777,200	528,000	777,200	528,900	777,200	529,000	777,200	531,500
GR	777,200	531,600	777,200	532,500	777,200	534,500	777,200	537,500	777,200	540,500
GR	777,200	542,500	777,200	543,400	777,200	543,500	781,700	550,000	786,800	560,000
GR	784,100	563,000	788,400	571,000	788,000	600,000	792,600	650,000	797,500	686,000
GR	799,400	700,000	805,200	750,000	810,000	780,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	500,000	550,000	0,000	0,000	0,000	0,000	0,000

X1	7475,000	20,000	500,000	535,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	811,200	310,000	808,700	334,000	806,600	350,000	798,700	400,000	795,800	415,000
GR	790,500	440,000	787,400	470,000	787,700	500,000	778,300	509,000	777,800	520,000
GR	778,600	528,000	782,200	535,000	784,100	563,000	788,400	571,000	788,000	600,000
GR	792,600	650,000	797,500	686,000	799,400	700,000	805,200	750,000	810,000	780,000
ET	0,000	0,000	5,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	480,000	530,000	0,000	0,000	0,000	0,000	0,000

X1	8440,000	21,000	500,000	525,000	965,000	965,000	965,000	0,000	0,000	0,000
GR	816,400	250,000	813,100	300,000	811,900	315,000	803,500	398,000	803,100	421,000
GR	801,800	450,000	801,400	453,000	790,400	471,000	788,300	500,000	784,200	506,000
GR	783,300	513,000	783,900	524,000	788,600	525,000	789,600	533,000	793,200	540,000
GR	792,500	571,000	794,100	600,000	795,600	642,000	797,900	650,000	808,700	700,000
GR	816,500	750,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
QT	7,000	1780,000	1780,000	1780,000	1780,000	950,000	1520,000	2650,000	0,000	0,000
ET	0,000	0,000	4,100	500,000	555,000	0,000	0,000	0,000	0,000	0,000

X1	9250,000	13,000	500,000	555,000	810,000	810,000	810,000	0,000	0,000	0,000
GR	824,700	350,000	818,900	400,000	809,200	450,000	798,100	500,000	792,300	519,000
GR	792,100	527,000	792,600	537,000	796,200	555,000	796,600	600,000	799,000	650,000
GR	800,800	700,000	811,600	750,000	820,900	800,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	9,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	499,000	549,000	0,000	0,000	0,000	0,000	0,000

X1	9300,000	12,000	499,000	518,000	50,000	50,000	50,000	0,000	0,300	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	798,000	798,000	0,000
GR	824,700	350,000	818,900	400,000	809,200	450,000	798,100	499,000	792,700	500,000
GR	792,700	517,000	796,200	518,000	796,600	563,000	799,000	613,000	800,800	663,000
GR	811,600	713,000	820,900	763,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,400	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	4,100	483,000	533,000	0,000	0,000	0,000	0,000	0,000

X1	9301,000	21,000	500,000	517,000	1,000	1,000	1,000	0,000	0,000	0,000
BT	21,000	200,000	823,700	823,700	250,000	820,900	820,900	300,000	818,300	818,300
BT	350,000	816,000	816,000	400,000	814,200	814,200	450,000	812,700	812,700	499,000
BT	812,100	812,100	500,000	812,100	800,800	508,000	812,100	800,800	508,100	812,100

BT 792,700 509,000 812,100 792,700 209,100 812,100 800,800 217,000 812,100 800,800
BT 517,100 812,100 550,000 811,900 811,900 600,000 812,700 812,700 812,700 650,000
BT 813,900 813,900 815,300 815,300 815,300 817,600 817,600 817,600 817,600 820,000
BT 820,000 850,000 822,600 822,600 0,000 0,000 0,000 0,000 0,000 0,000
GR 823,700 200,000 820,900 250,000 818,300 350,000 814,200 400,000
GR 812,700 450,000 812,100 499,000 792,700 508,000 792,700 508,100
GR 792,700 509,000 792,700 509,100 792,700 517,100 812,100 517,100 550,000
GR 812,700 600,000 813,900 650,000 815,300 700,000 820,000 750,000 800,000
ET 822,600 850,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 483,000 533,000 128,000 0,000 0,000 0,000

X1 9429,000 0,000 0,000 0,000 128,000 128,000 0,000 0,000 0,000 0,000
X2 0,000 0,000 4,100 483,000 533,000 1,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000

X1 9430,000 12,000 499,000 518,000 1,000 1,000 0,000 0,000 0,000 0,000
X3 10,000 0,000 0,000 0,000 0,000 0,000 812,100 812,100 0,000 0,000
GR 824,700 350,000 818,900 400,000 809,200 450,000 798,100 499,000 500,000 500,000
GR 792,700 517,000 796,200 518,000 796,600 563,000 799,000 613,000 800,800 663,000
GR 811,600 713,000 820,900 763,000 0,000 0,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 500,000 550,000 0,000 0,000 0,000 0,000 0,000

X1 9480,000 16,000 500,000 540,000 50,000 50,000 0,000 0,000 0,000 0,000
GR 925,500 350,000 818,300 409,000 816,300 418,000 809,100 450,000 801,300 480,000
GR 800,500 500,000 794,200 517,000 793,800 519,000 794,100 522,000 798,800 540,000
GR 799,600 550,000 802,300 600,000 809,100 650,000 811,700 700,000 812,900 750,000
GR 817,400 800,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 500,000 550,000 0,000 0,000 0,000 0,000 0,000

X1 9580,000 0,000 0,000 0,000 100,000 100,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 500,000 550,000 0,000 0,000 0,000 0,000 0,000

X1 9680,000 0,000 0,000 0,000 100,000 100,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 500,000 550,000 0,000 0,000 0,000 0,000 0,000

X1 9780,000 0,000 0,000 0,000 100,000 100,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 500,000 550,000 0,000 0,000 0,000 0,000 0,000

X1 9880,000 0,000 0,000 0,000 100,000 100,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 497,000 547,000 0,000 0,000 0,000 0,000 0,000

X1 10925,000 20,000 500,000 544,000 1045,000 1045,000 1045,000 1045,000 0,000 0,000
GR 848,400 250,000 841,900 300,000 833,100 350,000 832,900 353,000 822,800 400,000
GR 818,400 412,000 817,500 440,000 817,000 465,000 812,600 475,000 809,700 500,000
GR 807,600 500,000 804,200 506,000 803,200 515,000 804,900 528,000 806,800 533,900
GR 807,800 537,000 809,100 540,000 813,500 565,000 815,300 600,000 821,700 650,000
GR 823,500 700,000 827,400 750,000 832,300 800,000 0,000 0,000 0,000 0,000
ET 0,000 0,000 4,100 485,000 535,000 0,000 0,000 0,000 0,000 0,000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY 100 YR FLOOD
 T2 TRIBUTARY-95 RICH FORK TRIB.
 T3 MARCH 1977 DWL

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	2.	0.	0.	0,000000	0,00	0,0	0.	755,670	0,000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	3,000	0,000	-1,000	0,000	0,000	0,000	0,000	0,000	0,000	15,000

*PROF 3

CCHV= .200 CEHV= .400

*SECNO 1800,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1800,00	10,87	755,67	0,00	755,67	756,14	.47	0,00	0,00	750,10
1950.	307.	1457.	186.	177.	231.	105.	0.	0.	750,30
0,00	1,73	6,32	1,78	.120	.060	.120	0,000	744,80	441,06
.003999	0.	0.	0.	0	0	0	0,00	118,46	559,52

FLOW DISTRIBUTION FOR SECNO= 1800,00 CWSEL= 755,67

STA=	441.	450.	500.	525.	550.	560.
PER Q=	.2	15,6	74,7	9,1	.4	
AREA=	5,7	171,0	230,7	94,2	10,3	
VEL=	.6	1,8	6,3	1,9	.8	

*SECNO 1805,000

1805,00	10,89	755,69	0,00	0,00	756,17	.47	.02	.00	750,10
1950.	308.	1455.	187.	178.	231.	105.	0.	0.	750,30
.00	1,73	6,29	1,78	.120	.060	.120	.050	744,80	440,92
.003958	5.	5.	5.	0	0	0	0,00	118,69	559,61

FLOW DISTRIBUTION FOR SECNO= 1805,00 CWSEL= 755,69

STA=	441.	450.	500.	525.	550.	560.
PER Q=	.2	15,6	74,6	9,2	.4	
AREA=	5,9	172,0	231,2	94,7	10,5	
VEL=	.6	1,8	6,3	1,9	.8	

*SECNO 1810,000

1810,00	10,92	755,72	0,00	0,00	756,19	.47	.02	.00	750,10
1950.	310.	1452.	188.	179.	232.	106.	0.	0.	750,30

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 GUILFORD COUNTY FIA STUDY 500 YR FLOOD
 T2 TRIBUTARY -95 RICH FORK TRIB
 T3 MARCH 1977 DWL

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	8.	0.	0.	0.000000	0.00	0.0	0.	757,660	0.000
J2	NPROF	IPL0T	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	0.000

*PROF 4

CCHV= .200 CEHV= .400

*SECNO	1800,000	1805,000	1810,000	1815,000					
SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1800,00	12,86	757,66	0,00	757,66	758,21	,53	0,00	0,00	750,10
3120,	692,	2019,	408,	308,	281,	182,	0,	0,	750,30
0,00	2,25	7,20	2,24	,120	,060	,120	0,000	744,80	427,04
,004006	0,	0,	0,	0	0	0	0,00	141,20	568,25
1805,00	12,88	757,68	0,00	0,00	758,23	,54	,02	,00	750,10
3120,	694,	2017,	409,	309,	281,	183,	0,	0,	750,30
,00	2,24	7,18	2,24	,120	,060	,120	,050	744,80	426,90
,003972	5,	5,	5,	0	0	0	0,00	141,43	568,33
1810,00	12,91	757,71	0,00	0,00	758,25	,54	,02	,00	750,10
3120,	696,	2014,	410,	311,	282,	184,	0,	0,	750,30
,00	2,24	7,15	2,23	,120	,060	,120	,050	744,80	426,73
,003930	5,	5,	5,	0	0	0	0,00	141,71	568,44
1815,00	12,94	757,74	0,00	0,00	758,27	,53	,02	,00	750,10
3120,	698,	2010,	412,	313,	282,	185,	0,	0,	750,30
,00	2,23	7,12	2,23	,120	,060	,120	,050	744,80	426,55
,003888	5,	5,	5,	0	0	0	0,00	142,00	568,55

*SECNO	1820,000								
SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

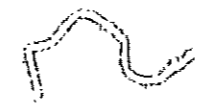
MARCH 1977 DWL

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC
1800.000	753.48	753.86	744.80	0.00
1800.000	755.09	755.54	744.80	0.00
1800.000	755.67	756.14	744.80	0.00
1800.000	757.66	758.21	744.80	0.00
1805.000	753.50	753.88	744.80	0.00
1805.000	755.12	755.56	744.80	0.00
1805.000	755.69	756.17	744.80	0.00
1805.000	757.68	758.23	744.80	0.00
1810.000	753.53	753.90	744.80	0.00
1810.000	755.14	755.59	744.80	0.00
1810.000	755.72	756.19	744.80	0.00
1810.000	757.71	758.25	744.80	0.00
1815.000	753.55	753.92	744.80	0.00
1815.000	755.17	755.61	744.80	0.00
1815.000	755.75	756.21	744.80	0.00
1815.000	757.74	758.27	744.80	0.00
1820.000	753.58	753.94	744.80	0.00
1820.000	755.19	755.63	744.80	0.00
1820.000	755.77	756.23	744.80	0.00
1820.000	757.76	758.29	744.80	0.00
1830.000	753.62	753.98	744.80	0.00
1830.000	755.24	755.67	744.80	0.00
1830.000	755.82	756.27	744.80	0.00
1830.000	757.81	758.33	744.80	0.00
1850.000	753.71	754.06	744.80	0.00
1850.000	755.34	755.74	744.80	0.00
1850.000	755.92	756.34	744.80	0.00
1850.000	757.91	758.41	744.80	0.00
4400.000	763.16	763.50	755.30	0.00
4400.000	764.68	765.09	755.30	0.00
4400.000	765.22	765.65	755.30	0.00
4400.000	767.11	767.58	755.30	0.00

SECNO	CWSEL	EG	ELMIN	ELLC
4500,000	763,56	763,96	756,00	0,00
4500,000	765,06	765,54	756,00	0,00
4500,000	765,60	766,09	756,00	0,00
4500,000	767,46	768,00	756,00	0,00
4600,000	764,06	764,49	756,70	0,00
4600,000	765,53	766,07	756,70	0,00
4600,000	766,05	766,61	756,70	0,00
4600,000	767,87	768,49	756,70	0,00
4700,000	764,62	765,09	757,40	0,00
4700,000	766,07	766,66	757,40	0,00
4700,000	766,58	767,20	757,40	0,00
4700,000	768,36	769,03	757,40	0,00
4800,000	765,24	765,72	758,10	0,00
4800,000	766,67	767,29	758,10	0,00
4800,000	767,17	767,82	758,10	0,00
4800,000	768,90	769,62	758,10	0,00
7325,000	783,70	784,19	776,40	0,00
7325,000	784,97	785,63	776,40	0,00
7325,000	785,43	786,15	776,40	0,00
7325,000	786,94	787,91	776,40	0,00
7374,000	784,02	784,53	777,20	0,00
7374,000	785,32	785,93	777,20	0,00
7374,000	785,74	786,47	777,20	0,00
7374,000	787,10	788,42	777,20	0,00
7375,000	783,82	784,68	777,20	810,00
7375,000	784,46	786,52	777,20	810,00
7375,000	784,51	787,31	777,20	810,00
7375,000	784,07	791,50	777,20	810,00
7424,000	784,66	785,45	777,20	810,00
7424,000	787,72	788,41	777,20	810,00
7424,000	788,67	789,02	777,20	810,00
7424,000	793,13	793,17	777,20	810,00
7425,000	785,16	785,54	777,20	0,00
7425,000	788,24	788,50	777,20	0,00
7425,000	788,73	789,03	777,20	0,00
7425,000	793,04	793,24	777,20	0,00
7475,000	785,40	785,73	777,80	0,00
7475,000	788,31	788,60	777,80	0,00
7475,000	788,82	789,14	777,80	0,00
7475,000	793,12	793,29	777,80	0,00
8440,000	790,50	791,11	783,30	0,00
8440,000	791,94	792,75	783,30	0,00
8440,000	792,58	793,42	783,30	0,00
8440,000	794,78	795,64	783,30	0,00

	SECNO	CWSEL	EG	ELMIN	ELLC
	9250.000	797.24	797.62	792.10	0.00
	9250.000	798.46	798.87	792.10	0.00
	9250.000	798.90	799.32	792.10	0.00
	9250.000	800.20	800.65	792.10	0.00
	9300.000	797.08	799.04	792.40	0.00
	9300.000	798.68	799.58	792.40	0.00
	9300.000	799.12	800.00	792.40	0.00
	9300.000	800.41	801.19	792.40	0.00
*	9301.000	797.47	799.87	792.70	823.70
*	9301.000	799.22	802.51	792.70	823.70
*	9301.000	799.94	803.60	792.70	823.70
*	9301.000	800.75	807.31	792.70	823.70
	9429.000	802.03	802.86	793.60	824.60
	9429.000	804.88	807.00	793.60	824.60
	9429.000	805.66	808.58	793.60	824.60
*	9429.000	809.58	816.04	793.60	824.60
	9430.000	802.40	802.93	793.60	0.00
	9430.000	806.72	807.32	793.60	0.00
	9430.000	808.40	809.05	793.60	0.00
	9430.000	817.32	817.33	793.60	0.00
	9480.000	803.01	803.13	793.80	0.00
	9480.000	807.42	807.47	793.80	0.00
	9480.000	809.15	809.20	793.80	0.00
	9480.000	817.32	817.33	793.80	0.00
	9580.000	803.15	803.31	794.44	0.00
	9580.000	807.45	807.52	794.44	0.00
	9580.000	809.18	809.23	794.44	0.00
	9580.000	817.32	817.34	794.44	0.00
	9680.000	803.34	803.55	795.08	0.00
	9680.000	807.50	807.58	795.08	0.00
	9680.000	809.21	809.27	795.08	0.00
	9680.000	817.33	817.35	795.08	0.00
	9780.000	803.61	803.87	795.72	0.00
	9780.000	807.56	807.66	795.72	0.00
	9780.000	809.25	809.32	795.72	0.00
	9780.000	817.33	817.36	795.72	0.00
	9880.000	803.97	804.27	796.36	0.00
	9880.000	807.63	807.76	796.36	0.00
	9880.000	809.30	809.39	796.36	0.00
	9880.000	817.34	817.37	796.36	0.00
	10925.000	809.84	810.27	803.70	0.00
	10925.000	809.94	810.98	803.70	0.00
	10925.000	810.65	811.63	803.70	0.00
	10925.000	817.51	817.68	803.70	0.00



SECNO	CWSEL	EG	ELMIN	FLLC
10975.000	810.12	810.66	803.20	0.00
10975.000	810.60	811.77	803.20	0.00
10975.000	811.09	812.47	803.20	0.00
10975.000	817.52	817.76	803.20	0.00
10976.000	810.08	810.70	803.10	840.60
10976.000	810.46	811.89	803.10	840.60
10976.000	810.87	812.64	803.10	840.60
10976.000	817.25	817.95	803.10	840.60
11015.000	810.45	811.01	803.10	840.60
11015.000	811.43	812.58	803.10	840.60
11015.000	812.17	813.55	803.10	840.60
11015.000	818.25	818.54	803.10	840.60
11016.000	810.58	811.04	803.20	0.00
11016.000	811.84	812.65	803.20	0.00
11016.000	812.78	813.66	803.20	0.00
11016.000	818.37	818.56	803.20	0.00
11066.000	810.82	811.42	805.60	0.00
11066.000	812.24	813.05	805.60	0.00
11066.000	813.31	814.03	805.60	0.00
11066.000	818.36	818.67	805.60	0.00
11166.000	811.76	812.32	806.41	0.00
11166.000	813.19	813.95	806.41	0.00
11166.000	814.00	814.75	806.41	0.00
11166.000	818.51	818.89	806.41	0.00
11266.000	812.62	813.17	807.22	0.00
11266.000	814.05	814.80	807.22	0.00
11266.000	814.74	815.51	807.22	0.00
11266.000	818.71	819.17	807.22	0.00
11366.000	813.45	813.99	808.03	0.00
11366.000	814.88	815.62	808.03	0.00
11366.000	815.50	816.29	808.03	0.00
11366.000	818.97	819.51	808.03	0.00
11466.000	814.26	814.80	808.84	0.00
11466.000	815.70	816.44	808.84	0.00
11466.000	816.29	817.09	808.84	0.00
11466.000	819.30	819.92	808.84	0.00
12520.000	824.08	824.73	817.40	0.00
12520.000	825.32	826.11	817.40	0.00
12520.000	825.72	826.55	817.40	0.00
12520.000	826.08	827.30	817.40	0.00

MARCH 1977 DML

SUMMARY PRINTOUT

SECNO	CWSEL	ALOB	QCH	OROB	VLOB	VCH	VROB
1800,000	753,48	73,38	924,85	41,78	1,10	5,25	1,06
1800,000	755,09	223,21	1308,46	138,33	1,55	6,05	1,62
1800,000	755,67	306,50	1457,28	186,22	1,73	6,32	1,78
1800,000	757,66	692,15	2019,47	408,38	2,25	7,20	2,24
1805,000	753,50	74,09	923,68	42,22	1,10	5,23	1,06
1805,000	755,12	224,63	1306,27	139,10	1,55	6,03	1,62
1805,000	755,69	308,00	1454,97	187,03	1,73	6,29	1,78
1805,000	757,68	693,86	2016,81	409,33	2,24	7,18	2,24
1810,000	753,53	74,94	922,10	42,96	1,10	5,21	1,06
1810,000	755,14	226,40	1303,55	140,05	1,55	6,00	1,61
1810,000	755,72	309,85	1452,12	188,03	1,73	6,26	1,77
1810,000	757,71	695,95	2013,56	410,49	2,24	7,15	2,23
1815,000	753,55	75,80	920,48	43,72	1,10	5,18	1,06
1815,000	755,17	228,41	1300,77	141,02	1,55	5,97	1,61
1815,000	755,75	311,74	1449,20	189,06	1,72	6,23	1,77
1815,000	757,74	698,10	2010,22	411,68	2,23	7,12	2,23
1820,000	753,58	76,67	918,87	44,47	1,09	5,15	1,06
1820,000	755,19	230,01	1298,01	141,98	1,54	5,94	1,61
1820,000	755,77	313,62	1446,31	190,07	1,72	6,20	1,76
1820,000	757,76	700,23	2006,91	412,86	2,22	7,09	2,22
1830,000	753,62	78,18	916,03	45,78	1,09	5,11	1,07
1830,000	755,24	233,09	1293,27	143,64	1,54	5,89	1,60
1830,000	755,82	316,86	1441,31	191,83	1,71	6,15	1,75
1830,000	757,81	703,94	2001,14	414,92	2,21	7,05	2,21
1850,000	753,71	81,37	910,13	48,50	1,08	5,01	1,07
1850,000	755,34	240,41	1282,01	147,57	1,53	5,76	1,58
1850,000	755,92	324,56	1429,44	196,00	1,70	6,03	1,73
1850,000	757,91	712,78	1987,39	419,84	2,19	6,93	2,18
4400,000	763,16	26,27	996,98	16,75	0,72	4,80	0,83
4400,000	764,68	155,03	1435,04	79,93	1,23	5,50	1,25
4400,000	765,22	231,31	1602,44	116,25	1,41	5,72	1,36
4400,000	767,11	582,68	2219,51	317,81	1,95	6,41	1,79
4500,000	763,56	17,81	1010,92	11,26	0,70	5,12	0,79
4500,000	765,06	128,08	1473,69	68,23	1,24	5,90	1,29
4500,000	765,60	200,83	1647,01	102,16	1,43	6,14	1,42
4500,000	767,46	550,36	2275,98	293,66	2,01	6,81	1,85
4600,000	764,06	12,73	1019,51	7,77	0,68	5,36	0,73
4600,000	765,53	109,85	1499,98	60,17	1,24	6,20	1,32
4600,000	766,05	178,50	1679,27	92,22	1,44	6,46	1,46
4600,000	767,87	521,15	2326,38	272,47	2,07	7,18	1,89
4700,000	764,62	9,86	1024,43	5,71	0,66	5,52	0,67
4700,000	766,07	97,26	1518,19	54,55	1,24	6,43	1,34
4700,000	766,58	162,16	1702,74	85,10	1,45	6,70	1,49
4700,000	768,36	498,24	2365,52	256,24	2,11	7,48	1,93

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
4800.000	765.24	8.27	1026.99	4.73	.64	5.62	.64
4800.000	766.67	89.40	1529.57	51.03	1.23	6.57	1.34
4800.000	767.17	151.51	1717.99	80.50	1.45	6.86	1.51
4800.000	768.90	481.01	2394.74	244.25	2.13	7.70	1.95
7325.000	783.70	19.07	1017.90	3.03	.97	5.66	.90
7325.000	784.97	89.76	1564.85	15.39	1.43	6.72	1.35
7325.000	785.43	133.64	1793.15	23.21	1.59	7.11	1.50
7325.000	786.94	373.33	2680.13	66.54	2.10	8.49	2.00
7374.000	784.02	0.00	1040.00	0.00	0.00	5.76	0.00
7374.000	785.32	122.94	1440.78	106.29	2.09	6.69	1.99
7374.000	785.74	150.35	1660.28	131.37	2.31	7.38	2.16
7374.000	787.16	279.23	2583.43	257.33	3.00	9.78	2.76
7375.000	783.82	0.00	1040.00	0.00	0.00	7.47	0.00
7375.000	784.46	0.00	1670.00	0.00	0.00	11.52	0.00
7375.000	784.51	0.00	1950.00	0.00	0.00	13.42	0.00
7375.000	784.07	0.00	3120.00	0.00	0.00	21.87	0.00
7424.000	784.66	0.00	1040.00	0.00	0.00	7.11	0.00
7424.000	787.72	204.46	1364.86	100.68	2.10	7.31	1.74
7424.000	788.67	439.61	1230.21	280.17	2.13	5.81	1.90
7424.000	793.13	1336.70	758.56	1024.74	1.26	2.30	1.24
7425.000	785.16	0.00	1040.00	0.00	0.00	4.93	0.00
7425.000	788.24	179.83	1332.02	158.15	1.23	4.55	1.28
7425.000	788.73	229.51	1521.01	199.48	1.32	4.98	1.30
7425.000	793.04	634.61	1879.04	606.35	1.25	4.48	1.14
7475.000	785.40	0.00	954.18	85.82	0.00	4.83	1.33
7475.000	788.31	13.12	1378.33	278.55	.49	4.64	1.69
7475.000	788.82	32.64	1568.95	348.41	.69	4.99	1.74
7475.000	793.12	345.94	1909.09	864.97	1.12	4.10	1.40
8440.000	790.50	39.67	984.72	15.61	1.19	6.44	1.31
8440.000	791.94	161.51	1451.07	57.42	2.10	7.68	2.05
8440.000	792.58	231.40	1636.24	82.35	2.37	7.99	2.25
8440.000	794.78	522.98	2242.88	354.14	3.02	8.63	1.90
9250.000	797.24	0.00	910.42	39.58	0.00	5.06	.95
9250.000	798.46	.10	1332.99	186.91	.32	5.41	1.45
9250.000	798.90	.74	1516.71	262.55	.52	5.62	1.57
9250.000	800.20	9.13	2057.48	583.38	.92	6.02	1.87
9300.000	797.08	0.00	950.00	0.00	0.00	11.24	0.00
9300.000	798.68	1.67	1037.68	480.65	.96	9.02	2.73
9300.000	799.12	4.69	1128.93	646.38	1.21	9.16	2.94
9300.000	800.41	25.96	1379.19	1244.85	1.73	9.34	3.28
* 9301.000	797.47	.33	949.67	.00	.56	12.44	.02
* 9301.000	799.22	.72	1519.26	.02	.66	14.56	.14
* 9301.000	799.94	.94	1779.04	.02	.70	15.35	.15
* 9301.000	800.75	1.56	2648.41	.03	.93	20.56	.20

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
9429,000	802,03	.88	949,10	.02	.50	7,32	.11
9429,000	804,88	1,88	1518,07	.04	.80	11,71	.18
9429,000	805,66	2,36	1777,59	.05	.94	13,72	.21
9429,000	809,58	4,65	2645,24	.10	1,39	20,41	.31
9430,000	802,40	0,00	950,00	0,00	0,00	5,83	0,00
9430,000	806,72	0,00	1520,00	0,00	0,00	6,21	0,00
9430,000	808,40	0,00	1780,00	0,00	0,00	6,43	0,00
9430,000	817,32	318,07	512,47	1819,47	.42	1,15	.56
9480,000	803,01	33,82	797,79	118,39	.71	3,07	.83
9480,000	807,42	143,26	988,41	388,33	.71	2,27	.77
9480,000	809,15	194,85	1076,05	509,10	.69	2,13	.75
9480,000	817,32	412,62	1145,25	1092,13	.49	1,38	.48
9580,000	803,15	24,87	829,06	96,07	.71	3,46	.87
9580,000	807,45	134,08	1016,61	369,31	.76	2,47	.83
9580,000	809,18	185,71	1103,20	491,09	.73	2,30	.80
9580,000	817,32	406,14	1173,57	1070,29	.52	1,46	.50
9680,000	803,34	16,64	855,95	77,41	.68	3,86	.91
9680,000	807,50	124,27	1047,07	348,67	.81	2,70	.89
9680,000	809,21	176,21	1131,80	471,98	.78	2,48	.85
9680,000	817,33	399,84	1203,05	1047,11	.54	1,54	.53
9780,000	803,61	9,97	876,23	63,81	.82	4,24	.97
9780,000	807,56	113,89	1079,69	326,42	.87	2,96	.96
9780,000	809,25	166,17	1162,36	451,47	.84	2,69	.92
9780,000	817,33	393,97	1233,56	1022,47	.57	1,63	.56
9880,000	803,97	5,33	891,03	53,64	.52	4,56	1,02
9880,000	807,63	102,95	1114,52	302,53	.93	3,26	1,03
9880,000	809,30	155,54	1195,04	429,42	.90	2,93	.98
9880,000	817,34	387,64	1265,55	996,81	.61	1,73	.60
10925,000	809,84	.00	925,47	24,53	.01	5,33	1,26
10925,000	809,94	.10	1477,00	42,90	.41	8,28	2,00
10925,000	810,65	3,43	1697,99	78,58	.89	8,11	2,15
10925,000	817,51	227,91	1957,80	464,28	1,18	3,83	1,27
10975,000	810,12	0,00	950,00	0,00	0,00	5,87	0,00
10975,000	810,60	0,00	1520,00	0,00	0,00	8,67	0,00
10975,000	811,09	0,00	1780,00	0,00	0,00	9,42	0,00
10975,000	817,52	476,78	1733,77	439,44	1,61	4,70	1,28
10976,000	810,08	0,00	950,00	0,00	0,00	6,33	0,00
10976,000	810,46	0,00	1520,00	0,00	0,00	9,59	0,00
10976,000	810,87	0,00	1780,00	0,00	0,00	10,69	0,00
10976,000	817,25	294,22	1956,14	399,64	2,31	7,70	2,28
11015,000	810,45	0,00	950,00	0,00	0,00	6,00	0,00
11015,000	811,43	0,00	1520,00	0,00	0,00	8,61	0,00
11015,000	812,17	0,00	1780,00	0,00	0,00	9,43	0,00
11015,000	818,25	459,67	1513,97	674,35	2,07	5,38	1,95

SÉCNO	CWSEL	QLOB	QCH	QRQB	VLOB	VCH	VROB
11016,000	810,58	0,00	950,00	0,00	0,00	5,44	0,00
11016,000	811,84	0,00	1520,00	0,00	0,00	7,23	0,00
11016,000	812,78	0,00	1780,00	0,00	0,00	7,54	0,00
11016,000	818,37	500,67	1658,36	490,98	1,38	4,23	1,18
11066,000	810,82	1,12	942,32	6,56	,55	6,20	1,10
11066,000	812,24	26,16	1463,71	30,13	1,21	7,37	1,61
11066,000	813,31	75,51	1649,13	55,36	1,56	7,05	1,67
11066,000	818,36	384,26	2030,91	234,83	1,55	5,07	1,43
11166,000	811,76	1,77	940,73	7,5	,60	6,02	1,10
11166,000	813,19	29,80	1457,95	32,25	1,21	7,18	1,58
11166,000	814,00	69,42	1657,74	52,85	1,55	7,22	1,69
11166,000	818,51	348,17	2092,76	209,08	1,76	5,52	1,54
11266,000	812,62	2,04	940,11	7,85	,61	5,96	1,10
11266,000	814,05	31,29	1455,62	33,09	1,21	7,11	1,58
11266,000	814,74	66,38	1662,02	51,60	1,54	7,31	1,71
11266,000	818,71	319,36	2141,88	188,75	1,93	5,97	1,62
11366,000	813,45	2,19	939,76	8,04	,62	5,93	1,10
11366,000	814,88	32,24	1454,14	33,63	1,21	7,06	1,57
11366,000	815,50	63,91	1665,49	50,60	1,53	7,38	1,72
11366,000	818,97	295,36	2180,92	173,73	2,02	6,41	1,71
11466,000	814,26	2,21	939,72	8,07	,62	5,92	1,10
11466,000	815,70	32,31	1454,03	33,66	1,21	7,06	1,57
11466,000	816,29	62,91	1666,90	50,19	1,53	7,41	1,72
11466,000	819,30	272,78	2216,96	160,26	2,10	6,83	1,80
12520,000	824,08	1,16	928,84	0,00	,43	6,47	0,00
12520,000	825,32	60,60	1370,03	29,37	1,21	7,38	1,08
12520,000	825,72	112,65	1528,99	58,36	1,44	7,67	1,38
12520,000	826,05	206,74	2005,13	108,13	1,92	9,48	1,93

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DWL

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
1800.000	0.00	0.00	0.00	744.80	1040.00	753.48	0.00	753.86	39.73	5.25	281.
1800.000	0.00	0.00	0.00	744.80	1670.00	755.09	0.00	755.54	40.03	6.05	445.
1800.000	0.00	0.00	0.00	744.80	1950.00	755.67	0.00	756.14	39.99	6.32	512.
1800.000	0.00	0.00	0.00	744.80	3120.00	757.66	0.00	758.21	40.06	7.20	770.
1805.000	5.00	0.00	0.00	744.80	1040.00	753.50	0.00	753.88	39.26	5.23	283.
1805.000	5.00	0.00	0.00	744.80	1670.00	755.12	0.00	755.56	39.59	6.03	447.
1805.000	5.00	0.00	0.00	744.80	1950.00	755.69	0.00	756.17	39.58	6.29	514.
1805.000	5.00	0.00	0.00	744.80	3120.00	757.68	0.00	758.23	39.72	7.18	773.
1810.000	5.00	0.00	0.00	744.80	1040.00	753.53	0.00	753.90	38.69	5.21	285.
1810.000	5.00	0.00	0.00	744.80	1670.00	755.14	0.00	755.59	39.05	6.00	450.
1810.000	5.00	0.00	0.00	744.80	1950.00	755.72	0.00	756.19	39.07	6.26	517.
1810.000	5.00	0.00	0.00	744.80	3120.00	757.71	0.00	758.25	39.30	7.15	776.
1815.000	5.00	0.00	0.00	744.80	1040.00	753.55	0.00	753.92	38.11	5.18	288.
1815.000	5.00	0.00	0.00	744.80	1670.00	755.17	0.00	755.61	38.50	5.97	453.
1815.000	5.00	0.00	0.00	744.80	1950.00	755.75	0.00	756.21	38.56	6.23	520.
1815.000	5.00	0.00	0.00	744.80	3120.00	757.74	0.00	758.27	38.88	7.12	780.
1820.000	5.00	0.00	0.00	744.80	1040.00	753.58	0.00	753.94	37.55	5.15	290.
1820.000	5.00	0.00	0.00	744.80	1670.00	755.19	0.00	755.63	37.97	5.94	456.
1820.000	5.00	0.00	0.00	744.80	1950.00	755.77	0.00	756.23	38.06	6.20	523.
1820.000	5.00	0.00	0.00	744.80	3120.00	757.76	0.00	758.29	38.46	7.09	783.
1830.000	10.00	0.00	0.00	744.80	1040.00	753.62	0.00	753.98	36.58	5.11	294.
1830.000	10.00	0.00	0.00	744.80	1670.00	755.24	0.00	755.67	37.06	5.89	461.
1830.000	10.00	0.00	0.00	744.80	1950.00	755.82	0.00	756.27	37.21	6.15	528.
1830.000	10.00	0.00	0.00	744.80	3120.00	757.81	0.00	758.33	37.75	7.05	790.
1850.000	20.00	0.00	0.00	744.80	1040.00	753.71	0.00	754.06	34.64	5.01	302.
1850.000	20.00	0.00	0.00	744.80	1670.00	755.34	0.00	755.74	34.99	5.76	473.
1850.000	20.00	0.00	0.00	744.80	1950.00	755.92	0.00	756.34	35.24	6.03	541.
1850.000	20.00	0.00	0.00	744.80	3120.00	757.91	0.00	758.41	36.09	6.93	805.
4400.000	2550.00	0.00	0.00	755.30	1040.00	763.16	0.00	763.50	39.69	4.80	264.
4400.000	2550.00	0.00	0.00	755.30	1670.00	764.68	0.00	765.09	38.42	5.50	450.
4400.000	2550.00	0.00	0.00	755.30	1950.00	765.22	0.00	765.65	37.79	5.72	529.
4400.000	2550.00	0.00	0.00	755.30	3120.00	767.11	0.00	767.58	35.81	6.41	822.
4500.000	100.00	0.00	0.00	756.00	1040.00	763.56	0.00	763.96	48.31	5.12	237.
4500.000	100.00	0.00	0.00	756.00	1670.00	765.06	0.00	765.54	47.03	5.90	405.
4500.000	100.00	0.00	0.00	756.00	1950.00	765.60	0.00	766.09	46.11	6.14	480.
4500.000	100.00	0.00	0.00	756.00	3120.00	767.46	0.00	768.00	42.47	6.81	766.
4600.000	100.00	0.00	0.00	756.70	1040.00	764.06	0.00	764.49	55.65	5.36	219.
4600.000	100.00	0.00	0.00	756.70	1670.00	765.53	0.00	766.07	54.21	6.20	375.
4600.000	100.00	0.00	0.00	756.70	1950.00	766.05	0.00	766.61	53.24	6.46	446.
4600.000	100.00	0.00	0.00	756.70	3120.00	767.87	0.00	768.49	49.24	7.18	719.
4700.000	100.00	0.00	0.00	757.40	1040.00	764.62	0.00	765.09	61.09	5.52	209.
4700.000	100.00	0.00	0.00	757.40	1670.00	766.07	0.00	766.66	59.97	6.43	355.
4700.000	100.00	0.00	0.00	757.40	1950.00	766.58	0.00	767.20	59.12	6.70	423.
4700.000	100.00	0.00	0.00	757.40	3120.00	768.36	0.00	769.03	55.08	7.48	685.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
4800.000	100.00	0.00	0.00	758.10	1040.00	765.24	0.00	765.72	64.69	5.62	202.
4800.000	100.00	0.00	0.00	758.10	1670.00	766.67	0.00	767.29	63.96	6.57	343.
4800.000	100.00	0.00	0.00	758.10	1950.00	767.17	0.00	767.82	63.32	6.86	408.
4800.000	100.00	0.00	0.00	758.10	3120.00	768.90	0.00	769.62	59.81	7.70	661.
7325.000	2525.00	0.00	0.00	776.40	1040.00	783.70	0.00	784.19	83.31	5.66	202.
7325.000	2525.00	0.00	0.00	776.40	1670.00	784.97	0.00	785.63	83.05	6.72	307.
7325.000	2525.00	0.00	0.00	776.40	1950.00	785.43	0.00	786.15	83.78	7.11	351.
7325.000	2525.00	0.00	0.00	776.40	3120.00	786.94	0.00	787.91	88.43	8.49	527.
7374.000	49.00	0.00	0.00	777.20	1040.00	784.02	0.00	784.53	56.48	5.76	180.
7374.000	49.00	0.00	0.00	777.20	1670.00	785.32	0.00	785.93	44.58	6.69	327.
7374.000	49.00	0.00	0.00	777.20	1950.00	785.74	0.00	786.47	50.84	7.38	351.
7374.000	49.00	0.00	0.00	777.20	3120.00	787.16	0.00	788.42	72.76	9.78	450.
7375.000	1.00	786.20	810.00	777.20	1040.00	783.82	0.00	784.68	140.30	7.47	139.
7375.000	1.00	786.20	810.00	777.20	1670.00	784.46	782.21	786.52	445.02	11.52	144.
7375.000	1.00	786.20	810.00	777.20	1950.00	784.51	782.84	787.31	602.46	13.42	145.
7375.000	1.00	786.20	810.00	777.20	3120.00	784.07	784.07	791.50	1640.75	21.87	142.
7424.000	49.00	786.20	810.00	777.20	1040.00	784.66	0.00	785.45	167.92	7.11	146.
7424.000	49.00	786.20	810.00	777.20	1670.00	787.72	0.00	788.41	253.89	7.31	342.
7424.000	49.00	786.20	810.00	777.20	1950.00	788.67	0.00	789.02	135.86	5.81	565.
7424.000	49.00	786.20	810.00	777.20	3120.00	793.13	0.00	793.17	11.74	2.30	2214.
7425.000	1.00	0.00	0.00	777.20	1040.00	785.16	0.00	785.54	35.23	4.93	210.
7425.000	1.00	0.00	0.00	777.20	1670.00	788.24	0.00	788.50	13.75	4.55	562.
7425.000	1.00	0.00	0.00	777.20	1950.00	788.73	0.00	789.03	15.52	4.98	632.
7425.000	1.00	0.00	0.00	777.20	3120.00	793.04	0.00	793.24	8.21	4.48	1457.
7475.000	50.00	0.00	0.00	777.80	1040.00	785.40	0.00	785.73	40.37	4.83	262.
7475.000	50.00	0.00	0.00	777.80	1670.00	788.31	0.00	788.60	24.17	4.64	489.
7475.000	50.00	0.00	0.00	777.80	1950.00	788.82	0.00	789.14	25.91	4.99	562.
7475.000	50.00	0.00	0.00	777.80	3120.00	793.12	0.00	793.29	10.40	4.10	1391.
8440.000	965.00	0.00	0.00	783.30	1040.00	790.50	0.00	791.11	77.76	6.44	197.
8440.000	965.00	0.00	0.00	783.30	1670.00	791.94	0.00	792.75	83.23	7.68	294.
8440.000	965.00	0.00	0.00	783.30	1950.00	792.58	0.00	793.42	80.77	7.49	339.
8440.000	965.00	0.00	0.00	783.30	3120.00	794.78	0.00	795.64	68.63	8.63	611.
9250.000	810.00	0.00	0.00	792.10	950.00	797.24	0.00	797.62	82.20	5.06	221.
9250.000	810.00	0.00	0.00	792.10	1520.00	798.46	0.00	798.87	66.53	5.41	375.
9250.000	810.00	0.00	0.00	792.10	1780.00	798.90	0.00	799.32	63.55	5.62	438.
9250.000	810.00	0.00	0.00	792.10	2650.00	800.20	0.00	800.65	53.16	6.02	663.
9300.000	50.00	0.00	0.00	792.40	950.00	797.08	0.00	799.04	414.82	11.24	84.
9300.000	50.00	0.00	0.00	792.40	1520.00	798.68	0.00	799.58	184.02	9.02	292.
9300.000	50.00	0.00	0.00	792.40	1780.00	799.12	0.00	800.00	172.81	9.16	346.
9300.000	50.00	0.00	0.00	792.40	2650.00	800.41	0.00	801.19	141.08	9.34	542.
* 9301.000	1.00	811.90	823.70	792.70	950.00	797.47	797.47	799.87	340.79	12.44	76.
* 9301.000	1.00	811.90	823.70	792.70	1520.00	799.22	799.22	802.51	307.82	14.56	105.
* 9301.000	1.00	811.90	823.70	792.70	1780.00	799.94	799.94	803.60	297.34	15.35	117.
* 9301.000	1.00	811.90	823.70	792.70	2650.00	800.75	800.75	807.31	462.82	20.56	130.

SECNO	XLCH	ELTRD	ELLC	ELMIN	0	CWSEL	CRWS	EG	10K+S	VCH	AREA
9429.000	128.00	811.90	824.60	793.60	950.00	802.03	0.00	802.86	141.10	7.32	131.
9429.000	128.00	811.90	824.60	793.60	1520.00	804.88	0.00	807.00	360.98	11.71	132.
9429.000	128.00	811.90	824.60	793.60	1780.00	805.66	0.00	808.58	494.94	13.72	132.
9429.000	128.00	811.90	824.60	793.60	2650.00	809.58	801.65	816.04	1096.04	20.41	133.
9430.000	1.00	0.00	0.00	793.60	950.00	802.40	0.00	802.93	56.87	5.83	162.
9430.000	1.00	0.00	0.00	793.60	1520.00	806.72	0.00	807.32	41.81	6.21	244.
9430.000	1.00	0.00	0.00	793.60	1780.00	808.40	0.00	809.05	63.57	6.43	276.
9430.000	1.00	0.00	0.00	793.60	2650.00	817.32	0.00	817.33	.49	1.15	4436.
9480.000	50.00	0.00	0.00	793.80	950.00	803.01	0.00	803.13	13.50	3.07	450.
9480.000	50.00	0.00	0.00	793.80	1520.00	807.42	0.00	807.47	3.68	2.27	1140.
9480.000	50.00	0.00	0.00	793.80	1780.00	809.15	0.00	809.20	2.66	2.13	1471.
9480.000	50.00	0.00	0.00	793.80	2650.00	817.32	0.00	817.33	.57	1.38	3961.
9580.000	100.00	0.00	0.00	794.44	950.00	803.15	0.00	803.31	19.09	3.46	385.
9580.000	100.00	0.00	0.00	794.44	1520.00	807.45	0.00	807.52	4.71	2.47	1032.
9580.000	100.00	0.00	0.00	794.44	1780.00	809.18	0.00	809.23	3.31	2.30	1349.
9580.000	100.00	0.00	0.00	794.44	2650.00	817.32	0.00	817.34	.67	1.46	3717.
9680.000	100.00	0.00	0.00	795.08	950.00	803.34	0.00	803.55	26.33	3.86	330.
9680.000	100.00	0.00	0.00	795.08	1520.00	807.50	0.00	807.58	6.10	2.70	930.
9680.000	100.00	0.00	0.00	795.08	1780.00	809.21	0.00	809.27	4.14	2.48	1233.
9680.000	100.00	0.00	0.00	795.08	2650.00	817.33	0.00	817.35	.78	1.54	3482.
9780.000	100.00	0.00	0.00	795.72	950.00	803.61	0.00	803.87	34.70	4.24	288.
9780.000	100.00	0.00	0.00	795.72	1520.00	807.56	0.00	807.66	7.98	2.96	834.
9780.000	100.00	0.00	0.00	795.72	1780.00	809.25	0.00	809.32	5.24	2.69	1123.
9780.000	100.00	0.00	0.00	795.72	2650.00	817.33	0.00	817.36	.91	1.63	3253.
9880.000	100.00	0.00	0.00	796.36	950.00	803.97	0.00	804.27	43.23	4.56	258.
9880.000	100.00	0.00	0.00	796.36	1520.00	807.63	0.00	807.76	10.52	3.26	744.
9880.000	100.00	0.00	0.00	796.36	1780.00	809.30	0.00	809.39	6.68	2.93	1018.
9880.000	100.00	0.00	0.00	796.36	2650.00	817.34	0.00	817.37	1.08	1.73	3032.
10925.000	1045.00	0.00	0.00	803.70	950.00	809.84	0.00	810.27	78.19	5.33	195.
10925.000	1045.00	0.00	0.00	803.70	1520.00	809.94	0.00	810.98	182.15	8.28	200.
10925.000	1045.00	0.00	0.00	803.70	1780.00	810.65	0.00	811.63	141.06	8.11	249.
10925.000	1045.00	0.00	0.00	803.70	2650.00	817.51	0.00	817.68	9.57	3.83	1068.
10975.000	50.00	0.00	0.00	803.20	950.00	810.12	0.00	810.66	61.03	5.87	161.
10975.000	50.00	0.00	0.00	803.20	1520.00	810.60	0.00	811.77	121.36	8.67	175.
10975.000	50.00	0.00	0.00	803.20	1780.00	811.09	0.00	812.47	131.56	9.42	188.
10975.000	50.00	0.00	0.00	803.20	2650.00	817.52	0.00	817.76	11.81	4.70	1007.
10976.000	1.00	815.30	840.60	803.10	950.00	810.08	0.00	810.70	84.72	6.33	150.
10976.000	1.00	815.30	840.60	803.10	1520.00	810.46	808.74	811.89	180.61	9.59	158.
10976.000	1.00	815.30	840.60	803.10	1780.00	810.87	809.11	812.64	245.86	10.69	166.
10976.000	1.00	815.30	840.60	803.10	2650.00	817.25	0.00	817.95	208.33	7.70	556.
11015.000	39.00	815.30	840.60	803.10	950.00	810.45	0.00	811.01	70.79	6.00	158.
11015.000	39.00	815.30	840.60	803.10	1520.00	811.43	0.00	812.58	147.38	8.61	176.
11015.000	39.00	815.30	840.60	803.10	1780.00	812.17	809.11	813.55	185.60	9.43	168.
11015.000	39.00	815.30	840.60	803.10	2650.00	818.25	0.00	818.54	88.49	5.38	849.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRWS	EG	10K+S	VCH	AREA
11016.000	1.00	0.00	0.00	803.20	950.00	810.58	0.00	811.04	47.98	5.44	174.
11016.000	1.00	0.00	0.00	803.20	1520.00	811.84	0.00	812.65	68.79	7.23	210.
11016.000	1.00	0.00	0.00	803.20	1780.00	812.78	0.00	813.66	65.77	7.54	236.
11016.000	1.00	0.00	0.00	803.20	2650.00	818.37	0.00	818.56	8.78	4.23	1172.
11066.000	50.00	0.00	0.00	805.60	950.00	810.82	0.00	811.42	94.24	6.20	159.
11066.000	50.00	0.00	0.00	805.60	1520.00	812.24	0.00	813.05	93.04	7.37	239.
11066.000	50.00	0.00	0.00	805.60	1780.00	813.31	0.00	814.03	68.37	7.05	315.
11066.000	50.00	0.00	0.00	805.60	2650.00	818.36	0.00	818.67	17.30	5.07	812.
11166.000	100.00	0.00	0.00	806.41	950.00	811.76	0.00	812.32	85.62	6.02	165.
11166.000	100.00	0.00	0.00	806.41	1520.00	813.19	0.00	813.95	85.72	7.18	248.
11166.000	100.00	0.00	0.00	806.41	1780.00	814.00	0.00	814.75	73.56	7.22	305.
11166.000	100.00	0.00	0.00	806.41	2650.00	818.51	0.00	818.89	22.11	5.52	713.
11266.000	100.00	0.00	0.00	807.22	950.00	812.62	0.00	813.17	82.80	5.96	168.
11266.000	100.00	0.00	0.00	807.22	1520.00	814.05	0.00	814.30	83.01	7.11	251.
11266.000	100.00	0.00	0.00	807.22	1780.00	814.74	0.00	815.51	76.31	7.31	300.
11266.000	100.00	0.00	0.00	807.22	2650.00	818.71	0.00	819.17	27.82	5.97	640.
11366.000	100.00	0.00	0.00	808.03	950.00	813.45	0.00	813.99	81.31	5.93	169.
11366.000	100.00	0.00	0.00	808.03	1520.00	814.88	0.00	815.62	81.37	7.06	254.
11366.000	100.00	0.00	0.00	808.03	1780.00	815.50	0.00	816.29	78.63	7.38	297.
11366.000	100.00	0.00	0.00	808.03	2650.00	818.97	0.00	819.51	34.28	6.41	587.
11466.000	100.00	0.00	0.00	808.84	950.00	814.26	0.00	814.80	81.11	5.92	169.
11466.000	100.00	0.00	0.00	808.84	1520.00	815.70	0.00	816.44	81.25	7.06	254.
11466.000	100.00	0.00	0.00	808.84	1780.00	816.29	0.00	817.09	79.60	7.41	295.
11466.000	100.00	0.00	0.00	808.84	2650.00	819.30	0.00	819.92	41.59	6.83	543.
12520.000	1054.00	0.00	0.00	817.40	930.00	824.08	0.00	824.73	109.97	6.47	146.
12520.000	1054.00	0.00	0.00	817.40	1460.00	825.32	0.00	826.11	104.58	7.38	262.
12520.000	1054.00	0.00	0.00	817.40	1700.00	825.72	0.00	826.55	102.41	7.67	319.
12520.000	1054.00	0.00	0.00	817.40	2320.00	826.08	825.70	827.30	144.70	9.48	375.

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DWL

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1800,000	1040,00	753,48	0,00	0,00	0,00	89,15	0,00
1800,000	1670,00	755,09	0,00	0,00	0,00	111,83	0,00
1800,000	1950,00	755,67	0,00	0,00	0,00	118,46	0,00
1800,000	3120,00	757,66	1,99	0,00	0,00	141,20	0,00
1805,000	1040,00	753,50	0,00	,02	0,00	89,53	5,00
1805,000	1670,00	755,12	0,00	,03	0,00	112,06	5,00
1805,000	1950,00	755,69	0,00	,02	0,00	118,69	5,00
1805,000	3120,00	757,68	1,99	,02	0,00	141,43	5,00
1810,000	1040,00	753,53	0,00	,02	0,00	89,92	5,00
1810,000	1670,00	755,14	0,00	,03	0,00	112,35	5,00
1810,000	1950,00	755,72	0,00	,03	0,00	118,97	5,00
1810,000	3120,00	757,71	1,99	,03	0,00	141,71	5,00
1815,000	1040,00	753,55	0,00	,02	0,00	90,31	5,00
1815,000	1670,00	755,17	0,00	,03	0,00	112,64	5,00
1815,000	1950,00	755,75	0,00	,03	0,00	119,27	5,00
1815,000	3120,00	757,74	1,99	,03	0,00	142,00	5,00
1820,000	1040,00	753,58	0,00	,02	0,00	90,70	5,00
1820,000	1670,00	755,19	0,00	,03	0,00	112,93	5,00
1820,000	1950,00	755,77	0,00	,03	0,00	119,56	5,00
1820,000	3120,00	757,76	1,99	,03	0,00	142,29	5,00
1830,000	1040,00	753,62	0,00	,05	0,00	91,38	10,00
1830,000	1670,00	755,24	0,00	,05	0,00	113,44	10,00
1830,000	1950,00	755,82	0,00	,05	0,00	120,06	10,00
1830,000	3120,00	757,81	1,99	,05	0,00	142,80	10,00
1850,000	1040,00	753,71	0,00	,09	0,00	92,82	20,00
1850,000	1670,00	755,34	0,00	,10	0,00	114,65	20,00
1850,000	1950,00	755,92	0,00	,10	0,00	121,27	20,00
1850,000	3120,00	757,91	1,99	,10	0,00	144,02	20,00
4400,000	1040,00	763,16	0,00	9,44	0,00	98,21	2550,00
4400,000	1670,00	764,68	0,00	9,34	0,00	139,91	2550,00
4400,000	1950,00	765,22	0,00	9,31	0,00	146,33	2550,00
4400,000	3120,00	767,11	1,89	9,21	0,00	162,11	2550,00
4500,000	1040,00	763,56	0,00	,41	0,00	88,38	100,00
4500,000	1670,00	765,06	0,00	,38	0,00	136,10	100,00
4500,000	1950,00	765,60	0,00	,37	0,00	142,38	100,00
4500,000	3120,00	767,46	1,86	,35	0,00	159,98	100,00
4600,000	1040,00	764,06	0,00	,49	0,00	81,44	100,00
4600,000	1670,00	765,53	0,00	,47	0,00	129,95	100,00
4600,000	1950,00	766,05	0,00	,46	0,00	139,60	100,00
4600,000	3120,00	767,87	1,82	,41	0,00	158,20	100,00
4700,000	1040,00	764,62	0,00	,57	0,00	76,92	100,00
4700,000	1670,00	766,07	0,00	,54	0,00	124,87	100,00
4700,000	1950,00	766,58	0,00	,53	0,00	137,62	100,00
4700,000	3120,00	768,36	1,77	,48	0,00	156,89	100,00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4800.000	1040.00	765.24	0.00	.62	0.00	73.92	100.00
4800.000	1670.00	766.67	0.00	.60	0.00	121.67	100.00
4800.000	1950.00	767.17	0.00	.59	0.00	136.34	100.00
4800.000	3120.00	768.90	1.73	.54	0.00	155.95	100.00
7325.000	1040.00	783.70	0.00	18.46	0.00	70.84	2525.00
7325.000	1670.00	784.97	0.00	18.30	0.00	93.82	2525.00
7325.000	1950.00	785.43	0.00	18.25	0.00	102.11	2525.00
7325.000	3120.00	786.94	1.51	18.04	0.00	129.60	2525.00
7374.000	1040.00	784.02	0.00	.32	0.00	26.50	49.00
7374.000	1670.00	785.32	0.00	.35	0.00	58.58	49.00
7374.000	1950.00	785.74	0.00	.31	0.00	61.22	49.00
7374.000	3120.00	787.16	1.43	.22	0.00	88.62	49.00
7375.000	1040.00	783.82	0.00	-.20	0.00	49.94	1.00
7375.000	1670.00	784.46	0.00	-.86	0.00	52.35	1.00
7375.000	1950.00	784.51	0.00	-1.23	0.00	52.54	1.00
7375.000	3120.00	784.07	-.44	-3.10	0.00	50.88	1.00
7424.000	1040.00	784.66	0.00	.85	0.00	53.09	49.00
7424.000	1670.00	787.72	0.00	3.26	0.00	204.73	49.00
7424.000	1950.00	788.67	0.00	4.15	0.00	266.84	49.00
7424.000	3120.00	793.13	4.47	9.07	0.00	457.09	49.00
7425.000	1040.00	785.16	0.00	.50	0.00	26.50	1.00
7425.000	1670.00	788.24	0.00	.52	0.00	128.77	1.00
7425.000	1950.00	788.73	0.00	.06	0.00	150.76	1.00
7425.000	3120.00	793.04	4.31	-.09	0.00	225.22	1.00
7475.000	1040.00	785.40	0.00	.24	0.00	63.22	50.00
7475.000	1670.00	788.31	0.00	.08	0.00	135.88	50.00
7475.000	1950.00	788.82	0.00	.09	0.00	152.48	50.00
7475.000	3120.00	793.12	4.30	.08	0.00	226.14	50.00
8440.000	1040.00	790.50	0.00	5.10	0.00	63.90	965.00
8440.000	1670.00	791.94	0.00	3.63	0.00	69.07	965.00
8440.000	1950.00	792.58	0.00	3.76	0.00	76.29	965.00
8440.000	3120.00	794.78	2.20	1.67	0.00	155.27	965.00
9250.000	950.00	797.24	0.00	6.74	0.00	110.39	810.00
9250.000	1520.00	798.46	0.00	6.52	0.00	140.47	810.00
9250.000	1780.00	798.90	0.00	6.32	0.00	151.31	810.00
9250.000	2650.00	800.20	1.30	5.42	0.00	192.84	810.00
9300.000	950.00	797.08	0.00	-.16	0.00	18.87	50.00
9300.000	1520.00	798.68	0.00	.22	0.00	117.65	50.00
9300.000	1780.00	799.12	0.00	.22	0.00	131.57	50.00
9300.000	2650.00	800.41	1.29	.21	0.00	173.00	50.00
* 9301.000	950.00	797.47	0.00	.39	0.00	17.27	1.00
* 9301.000	1520.00	799.22	0.00	.53	0.00	17.37	1.00
* 9301.000	1780.00	799.94	0.00	.82	0.00	17.41	1.00
* 9301.000	2650.00	800.75	.81	.34	0.00	17.46	1.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
9429,000	950,00	802,03	0,00	4,56	0,00	17,48	128,00
9429,000	1520,00	804,88	0,00	5,66	0,00	17,64	128,00
9429,000	1780,00	805,66	0,00	5,72	0,00	17,68	128,00
9429,000	2650,00	809,58	3,92	8,83	0,00	17,91	128,00
9430,000	950,00	802,40	0,00	,37	0,00	19,00	1,00
9430,000	1520,00	806,72	0,00	1,85	0,00	19,00	1,00
9430,000	1780,00	808,40	0,00	2,74	0,00	19,00	1,00
9430,000	2650,00	817,32	8,92	7,74	0,00	326,09	1,00
9480,000	950,00	803,01	0,00	,61	0,00	131,79	50,00
9480,000	1520,00	807,42	0,00	,70	0,00	181,17	50,00
9480,000	1780,00	809,15	0,00	,75	0,00	201,26	50,00
9480,000	2650,00	817,32	8,16	-,00	0,00	390,24	50,00
9580,000	950,00	803,15	0,00	,14	0,00	126,15	100,00
9580,000	1520,00	807,45	0,00	,03	0,00	174,39	100,00
9580,000	1780,00	809,18	0,00	,02	0,00	193,70	100,00
9580,000	2650,00	817,32	8,14	,00	0,00	377,47	100,00
9680,000	950,00	803,34	0,00	,20	0,00	118,49	100,00
9680,000	1520,00	807,50	0,00	,04	0,00	167,69	100,00
9680,000	1780,00	809,21	0,00	,03	0,00	186,87	100,00
9680,000	2650,00	817,33	8,12	,01	0,00	365,86	100,00
9780,000	950,00	803,61	0,00	,27	0,00	110,26	100,00
9780,000	1520,00	807,56	0,00	,06	0,00	161,15	100,00
9780,000	1780,00	809,25	0,00	,04	0,00	180,13	100,00
9780,000	2650,00	817,33	8,09	,01	0,00	356,01	100,00
9880,000	950,00	803,97	0,00	,36	0,00	103,98	100,00
9880,000	1520,00	807,63	0,00	,08	0,00	154,82	100,00
9880,000	1780,00	809,30	0,00	,05	0,00	173,50	100,00
9880,000	2650,00	817,34	8,05	,01	0,00	346,18	100,00
10925,000	950,00	809,84	0,00	5,87	0,00	63,32	1045,00
10925,000	1520,00	809,94	0,00	2,31	0,00	64,98	1045,00
10925,000	1780,00	810,65	0,00	1,35	0,00	75,94	1045,00
10925,000	2650,00	817,51	6,86	,16	0,00	177,41	1045,00
10975,000	950,00	810,12	0,00	,28	0,00	27,90	50,00
10975,000	1520,00	810,60	0,00	,66	0,00	27,90	50,00
10975,000	1780,00	811,09	0,00	,44	0,00	27,90	50,00
10975,000	2650,00	817,52	6,43	,02	0,00	178,24	50,00
10976,000	950,00	810,08	0,00	-,05	0,00	54,69	1,00
10976,000	1520,00	810,46	0,00	-,14	0,00	56,97	1,00
10976,000	1780,00	810,87	0,00	-,22	0,00	59,40	1,00
10976,000	2650,00	817,25	6,38	-,26	0,00	268,01	1,00
11015,000	950,00	810,45	0,00	,38	0,00	56,93	39,00
11015,000	1520,00	811,43	0,00	,97	0,00	62,73	39,00
11015,000	1780,00	812,17	0,00	1,30	0,00	67,14	39,00
11015,000	2650,00	818,25	6,08	1,01	0,00	314,68	39,00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
11016.000	950.00	810.58	0.00	.12	0.00	27.90	1.00
11016.000	1520.00	811.84	0.00	.42	0.00	27.90	1.00
11016.000	1780.00	812.78	0.00	.61	0.00	27.90	1.00
11016.000	2650.00	818.37	5.60	.12	0.00	211.24	1.00
11066.000	950.00	810.82	0.00	.25	0.00	46.03	50.00
11066.000	1520.00	812.24	0.00	.40	0.00	65.83	50.00
11066.000	1780.00	813.31	0.00	.53	0.00	75.02	50.00
11066.000	2650.00	818.36	5.04	-.02	0.00	169.00	50.00
11166.000	950.00	811.76	0.00	.94	0.00	47.84	100.00
11166.000	1520.00	813.19	0.00	.95	0.00	67.72	100.00
11166.000	1780.00	814.00	0.00	.69	0.00	74.25	100.00
11166.000	2650.00	818.51	4.51	.15	0.00	135.27	100.00
11266.000	950.00	812.62	0.00	.86	0.00	48.48	100.00
11266.000	1520.00	814.05	0.00	.86	0.00	68.47	100.00
11266.000	1780.00	814.74	0.00	.74	0.00	73.87	100.00
11266.000	2650.00	818.71	3.98	.20	0.00	101.21	100.00
11366.000	950.00	813.45	0.00	.83	0.00	48.83	100.00
11366.000	1520.00	814.88	0.00	.83	0.00	68.93	100.00
11366.000	1780.00	815.50	0.00	.76	0.00	73.56	100.00
11366.000	2650.00	818.97	3.47	.26	0.00	93.87	100.00
11466.000	950.00	814.26	0.00	.81	0.00	48.88	100.00
11466.000	1520.00	815.70	0.00	.81	0.00	68.97	100.00
11466.000	1780.00	816.29	0.00	.79	0.00	73.43	100.00
11466.000	2650.00	819.30	3.02	.33	0.00	91.04	100.00
12520.000	930.00	824.08	0.00	9.81	0.00	47.77	1054.00
12520.000	1460.00	825.32	0.00	9.62	0.00	130.96	1054.00
12520.000	1700.00	825.72	0.00	9.44	0.00	147.85	1054.00
12520.000	2320.00	826.08	.36	6.78	0.00	162.59	1054.00

SUMMARY OF ERRORS

CAUTION SECNO= 7375.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7375.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7375.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7375.000 PROFILE= 4 SLOPE TOO STEEP

CAUTION SECNO= 9301.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9301.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9301.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9301.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9301.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9301.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 9429.000 PROFILE= 4 SLOPE TOO STEEP

SNUMB = 3252T, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 005830

T1 GUILFORD COUNTY FIA-- 10 YR FLOOD
 T2 RICHLAND CR (CR NO. 30) AND TRIBUTARY (CR. NO. 31)
 T3 APR 77 EMF

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	675,460	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	3,000	41,000	42,000	5,000	43,000	0.	38,000	1,000
	53,000	21,000	22,000	54,000	4,000	0.	201,000	150,000	0.	0.
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
QT	5,000	2870,000	4700,000	6110,000	11070,000	6110,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	495,000	650,000	0.	0.
X1	100,000	27,000	500,000	554,000	0.	0.	0.	0.	0.	0.
GR	720,000	180,000	715,000	220,000	710,000	260,000	705,000	290,000	700,000	325,000
GR	695,000	350,000	690,700	375,000	695,100	400,000	674,300	450,000	674,800	500,000
GR	670,300	508,000	663,700	528,000	670,500	548,000	675,400	554,000	675,900	600,000
GR	674,400	650,000	674,700	700,000	675,800	750,000	680,000	793,000	681,300	800,000
GR	687,500	850,000	695,000	915,000	700,000	1000,000	705,000	1080,000	710,000	1150,000
GR	715,000	1200,000	720,000	1270,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	995,000	1075,000	0.	0.
X1	820,000	14,000	1000,000	1070,000	720,000	720,000	720,000	0.	0.	0.
GR	720,000	735,000	715,000	775,000	709,700	800,000	689,900	900,000	681,300	932,000
GR	677,800	1000,000	669,300	1014,000	669,100	1055,000	676,500	1070,000	684,400	1100,000
GR	693,400	1200,000	706,600	1300,000	715,000	1385,000	720,000	1435,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1061,000	0.	0.
X1	869,000	16,000	1000,000	1061,000	49,000	49,000	49,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	682,500	681,900	0.
GR	720,000	735,000	715,000	775,000	709,700	800,000	689,900	900,000	684,800	920,000
GR	681,300	932,000	677,800	1000,000	671,600	1015,000	670,000	1030,000	671,400	1053,000
GR	676,500	1061,000	685,000	1100,000	673,400	1200,000	706,600	1300,000	715,300	1385,000
GR	720,000	1435,000	0.	0.	0.	0.	0.	0.	0.	0.
SR	0,900	1,500	2,500	0.	63,500	1,000	770,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1061,000	0.	0.
X1	891,000	0.	0.	0.	22,000	22,000	22,000	0.	0.	0.
X2	0.	0.	1,000	682,000	684,300	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	684,500	684,200	0.
BT	12,000	735,000	720,000	0.	775,000	715,000	0.	800,000	709,700	0.
BT	900,000	689,900	0.	920,000	684,800	0.	1000,000	684,500	682,500	1061,000
BT	684,200	681,900	1100,000	685,000	0.	1200,000	693,400	0.	1300,000	706,600
BT	0.	1385,000	715,000	0.	1435,000	720,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	995,000	1075,000	0.	0.

3252T
 APR 77
 EMF
 1712

U1

U2

U3

U4

X1	950,000	14,000	1000,000	1070,000	59,000	59,000	59,000	0,	0,	0,
GR	720,000	735,000	715,000	775,000	709,700	800,000	689,900	900,000	681,300	932,000
GR	677,800	1000,000	669,300	1014,000	669,100	1055,000	676,500	1070,000	684,400	1100,000
GR	693,400	1200,000	706,600	1300,000	715,000	1385,000	720,000	1435,000	0,	0,
ET	0,	0,	0,	0,	0,	9,400	0,	0,	0,	0,
X1	3560,000	21,000	1000,000	1040,000	2610,000	2610,000	2610,000	0,	0,	0,
GR	725,000	380,000	720,000	460,000	715,000	520,000	710,000	650,000	705,000	720,000
GR	700,000	750,000	693,600	764,000	693,000	800,000	689,300	900,000	687,900	910,000
GR	679,500	1000,000	673,200	1003,000	673,700	1037,900	677,800	1040,000	681,400	1100,000
GR	689,700	1200,000	692,800	1290,000	700,000	1300,000	705,000	1370,000	710,000	1660,000
GR	725,000	1800,000	0,	0,	0,	0,	0,	0,	0,	0,
X1	6520,000	25,000	966,000	1000,000	2960,000	2960,000	2960,000	0,	-0.100	0,
X3	10,000	0,	0,	0,	0,	0,	0,	687,700	687,700	0,
GR	725,000	275,000	719,600	320,000	714,100	350,000	703,000	400,000	694,200	450,000
GR	685,000	500,000	684,200	600,000	684,100	700,000	684,300	800,000	686,000	900,000
GR	685,500	945,000	688,900	960,000	689,000	966,000	680,600	970,000	680,300	972,000
GR	678,100	983,000	679,900	992,000	681,300	995,000	690,500	1000,000	695,900	1100,000
GR	708,500	1200,000	712,700	1300,000	715,000	1570,000	720,000	2010,000	725,000	2080,000
X1	6572,000	0,	0,	0,	52,000	52,000	52,000	0,	0.100	0,
X3	10,000	0,	0,	0,	0,	0,	0,	0,	0,	0,
X1	6573,000	0,	0,	0,	1,000	1,000	1,000	0,	0,	0,
BT	22,000	275,000	725,000	0,	320,000	719,600	0,	350,000	714,100	0,
BT	400,000	703,000	0,	450,000	694,200	0,	500,000	685,000	0,	600,000
BT	684,200	0,	700,000	684,100	0,	800,000	684,300	0,	900,000	686,000
BT	0,	945,000	685,500	0,	960,000	688,900	0,	966,000	690,500	0,
BT	966,000	690,500	687,700	1000,000	690,500	687,700	1000,000	690,500	0,	1100,000
BT	695,900	0,	1200,000	708,500	0,	1300,000	712,700	0,	1570,000	715,000
BT	0,	2010,000	720,000	0,	2090,000	725,000	0,	0,	0,	0,
X1	6587,000	0,	0,	0,	14,000	14,000	14,000	0,	0,	0,
X2	0,	0,	0,	0,	0,	0,	1,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	0,	0,	0,
X1	6588,000	0,	0,	0,	1,000	1,000	1,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	690,500	690,500	0,
X1	6640,000	0,	0,	0,	52,000	52,000	52,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	0,	0,	0,
QT	5,000	2770,000	4180,000	5230,000	9530,000	5230,000	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,	6,400	0,	0,	0,	0,
X1	9560,000	14,000	1000,000	1055,000	2720,000	2720,000	2720,000	0,	0,	0,
GR	725,000	335,000	718,900	570,000	714,200	600,000	700,800	700,000	695,100	800,000
GR	693,300	900,000	693,100	1000,000	683,300	1015,000	680,200	1037,000	693,400	1055,000
GR	695,400	1100,000	711,300	1200,000	720,300	1250,000	725,000	1320,000	0,	0,
ET	0,	0,	0,	0,	0,	8,400	0,	0,	0,	0,
X1	12340,000	14,000	1000,000	1050,000	2980,000	2980,000	2980,000	0,	0,	0,
GR	730,000	730,000	719,000	800,000	715,700	850,000	705,900	900,000	695,400	955,000
GR	695,500	1000,000	685,300	1015,000	684,900	1035,000	696,600	1050,000	695,300	1100,000
GR	705,200	1150,000	714,100	1200,000	719,900	1240,000	730,000	1340,000	0,	0,

X1 12380,000 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 6,400 0, 0, 0, 0, 0,

X1 12390,000 17,000 1000,000 1071,000 50,000 50,000 50,000 0, 0, 0,
X3 10,000 0, 0, 0, 0, 0, 0, 0, 704,500 704,800 0,
GR 730,000 730,000 719,000 800,000 715,700 850,000 708,000 890,000 705,900 900,000
GR 697,000 947,300 696,200 1000,000 691,400 1021,000 687,800 1029,000 686,900 1047,000
GR 689,000 1056,000 697,000 1071,000 698,000 1112,000 707,700 1162,000 714,100 1200,000
GR 719,900 1240,000 730,000 1340,000 0, 0, 0, 0, 0, 0,
SB 1,250 1,500 2,500 0, 31,000 4,500 897,000 1,100 0, 0,
ET 0, 0, 0, 0, 0, 8,400 0, 0, 0, 0,

X1 12411,000 0, 0, 0, 21,000 21,000 21,000 0, 0, 0,
X2 0, 0, 1,000 0, 0, 0, 0, 0, 0,
X3 10,000 0, 0, 0, 0, 0, 0, 706,300 706,700 0,
BT 12,000 730,000 730,000 0, 800,000 719,000 0, 850,000 715,700 0,
BT 890,000 708,000 0, 900,000 707,700 0, 1000,000 706,300 704,500 1071,000
BT 706,700 704,800 1100,000 706,300 0, 1162,000 707,700 0, 1200,000 714,100
BT 0, 1240,000 719,900 0, 1340,000 730,000 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 6,400 0, 0, 0, 0,

X1 12460,000 14,000 1000,000 1050,000 49,000 49,000 49,000 0, 0.200 0,
GR 730,000 730,000 719,000 800,000 715,700 850,000 705,900 900,000 695,400 955,000
GR 695,500 1000,000 685,300 1015,000 684,900 1035,000 696,600 1050,000 695,300 1100,000
GR 705,200 1150,000 714,100 1200,000 719,900 1240,000 730,000 1340,000 0, 0,
QT 5,000 2430,000 3730,000 4160,000 8400,000 4160,000 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 13,400 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 10,400 0, 0, 0, 0,

X1 15930,000 13,000 1000,000 1050,000 3470,000 3470,000 3470,000 0, 0, 0,
GR 732,500 550,000 725,900 800,000 712,900 700,000 707,100 800,000 703,300 900,000
GR 704,200 1000,000 694,700 1005,000 696,600 1035,000 703,900 1050,000 702,500 1100,000
GR 710,700 1150,000 715,200 1200,000 719,100 1250,000 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 10,400 0, 0, 0, 0,

X1 15985,000 21,000 1000,000 1152,000 53,000 53,000 53,000 0, 0, 0,
X3 10,000 0, 0, 0, 0, 0, 0, 0, 715,700 715,600 0,
GR 732,000 600,000 723,500 665,000 719,200 700,000 710,000 800,000 706,800 900,000
GR 706,000 1000,000 705,700 1026,000 703,300 1051,000 702,400 1055,000 695,500 1062,000
GR 695,600 1093,000 698,000 1101,000 698,700 1105,000 703,700 1115,000 705,300 1135,000
GR 706,900 1152,000 710,800 1200,000 719,100 1300,000 726,900 1400,000 731,000 1500,000
GR 740,000 1570,000 0, 0, 0, 0, 0, 0, 0, 0, 0,
SB 1,250 1,500 2,500 0, 15,000 2,000 1650,000 3,390 0, 0,
ET 0, 0, 0, 0, 0, 10,400 0, 0, 0, 0,

X1 16018,000 0, 0, 0, 35,000 35,000 35,000 0, 0, 0,
X2 0, 0, 1,000 0, 0, 0, 0, 0, 0,
X3 10,000 0, 0, 0, 0, 0, 0, 0, 717,400 717,500 0,
BT 14,000 600,000 740,000 0, 665,000 736,600 0, 700,000 733,300 0,
BT 800,000 724,800 0, 900,000 719,600 0, 1000,000 717,400 0, 1000,000
BT 717,400 715,700 1152,000 717,500 715,600 1152,000 717,500 0, 1200,000 718,100
BT 0, 1300,000 722,100 0, 1400,000 726,900 0, 1500,000 731,000 0,
BT 1570,000 740,000 0, 0, 0, 0, 0, 0, 0, 0,
ET 0, 0, 0, 0, 0, 7,100 935,000 1055,000 0, 0,

X1 16080,000 16,000 1000,000 1047,000 62,000 62,000 62,000 0, 0, 0,
GR 750,000 500,000 745,000 540,000 740,000 600,000 735,000 630,000 730,000 660,000
GR 725,000 730,000 725,000 780,000 720,000 810,000 715,000 850,000 710,000 920,000
GR 703,300 1000,000 695,400 1005,000 695,500 1036,000 703,900 1047,000 725,000 1090,000

GR	745,000	1150,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	940,000	1080,000	0.	0.
X1	17320,000	17,000	1000,000	1040,000	1240,000	1240,000	1240,000	1,000	-7,800	0.
GR	750,000	640,000	745,000	680,000	740,000	745,000	733,600	800,000	730,900	850,000
GR	725,000	900,000	714,400	972,000	713,700	982,000	716,400	988,000	716,700	1000,000
GR	708,300	1010,000	707,000	1034,000	715,200	1040,000	715,400	1077,000	727,900	1100,000
GR	743,600	1150,000	750,000	1175,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	930,000	1080,000	0.	0.
X1	18560,000	0.	0.	0.	1240,000	1240,000	1240,000	1,000	3,900	0.
ET	0.	0.	0.	0.	0.	7,100	930,000	1080,000	0.	0.
X1	19800,000	0.	0.	0.	1240,000	1240,000	1240,000	1,000	3,900	0.
QT	5,000	2290,000	3520,000	4180,000	7600,000	4180,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	340,000	560,000	0.	0.
X1	23220,000	13,000	500,000	545,000	3420,000	3420,000	3420,000	0.	0.	0.
GR	745,000	0.	740,200	100,000	729,400	200,000	724,300	300,000	723,300	400,000
GR	723,900	470,000	722,800	500,000	716,200	514,000	715,800	532,000	724,500	545,000
GR	724,800	560,000	736,200	600,000	750,900	700,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,400	0.	0.	0.	0.
X1	23266,000	17,000	500,000	599,000	46,000	46,000	46,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	730,600	730,600	0.
GR	745,000	0.	740,200	100,000	729,400	200,000	724,300	300,000	723,300	400,000
GR	723,900	470,000	723,600	500,000	723,200	524,000	712,200	533,000	717,100	549,000
GR	717,000	565,000	722,300	575,000	724,800	583,000	725,000	599,000	735,000	670,000
GR	740,000	700,000	755,900	800,000	0.	0.	0.	0.	0.	0.
SB	1,250	1,500	2,500	0.	58,000	5,000	985,000	1,530	0.	0.
ET	0.	0.	0.	0.	0.	10,400	0.	0.	0.	0.
X1	23294,000	0.	0.	0.	28,000	28,000	28,000	0.	0.	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	733,300	733,400	0.
BT	11,000	100,000	747,200	0.	200,000	742,600	0.	300,000	737,700	0.
BT	400,000	734,800	0.	500,000	733,300	0.	500,000	733,300	730,600	599,000
BT	733,400	730,600	599,000	733,400	0.	670,000	735,000	0.	700,000	740,000
BT	0.	800,000	755,900	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	400,000	500,000	0.	0.
X1	23340,000	12,000	525,000	575,000	46,000	46,000	46,000	0.	0.	0.
GR	740,000	230,000	730,000	280,000	728,000	340,000	726,000	390,000	724,800	525,000
GR	717,800	536,000	717,900	558,000	726,600	575,000	726,000	620,000	728,000	670,000
GR	730,000	700,000	740,000	800,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	200,000	350,000	0.	0.
X1	23570,000	22,000	260,000	335,000	230,000	230,000	230,000	0.	0.	0.
GR	750,000	0.	740,000	50,000	730,000	90,000	722,000	110,000	722,000	160,000
GR	724,000	190,000	725,000	220,000	724,000	260,000	724,000	260,000	720,000	280,000
GR	718,500	286,000	718,600	308,000	720,000	320,000	724,000	335,000	728,000	360,000
GR	730,000	410,000	732,000	460,000	734,000	485,000	736,000	500,000	738,000	520,000
GR	740,000	530,000	750,000	580,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	250,000	350,000	0.	0.
X1	24000,000	13,000	270,000	345,000	430,000	430,000	430,000	0.	0.	0.
GR	750,000	0.	740,000	70,000	730,000	190,000	728,000	230,000	726,000	255,000

GR	727,000	270,000	722,000	275,000	721,000	300,000	722,000	320,000	720,000	315,000
GR	730,000	356,000	740,000	405,000	750,000	430,000	0	0	0	0
ET	0	0	0	0	0	7,100	270,000	370,000	0	0
X1	25300.000	15,000	280,000	320,000	1300,000	1300,000	1300,000	0	0	0
GR	760,000	170,000	750,000	200,000	740,000	240,000	730,000	280,000	728,000	290,000
GR	726,800	300,000	728,000	315,000	730,000	320,000	732,000	350,000	734,000	370,000
GR	736,000	400,000	738,000	410,000	740,000	440,000	750,000	510,000	760,000	595,000
QT	5,000	2200,000	3260,000	3810,000	6960,000	3810,000	0	0	0	0
ET	0	0	0	0	0	7,100	755,000	1000,000	0	0
X1	27880.000	22,000	759,000	802,000	2580,000	2580,000	2580,000	0	0	0
GR	779,900	200,000	774,800	218,000	768,300	300,000	761,000	400,000	758,200	500,000
GR	755,800	600,000	749,700	700,000	747,100	759,000	741,600	770,000	741,400	783,000
GR	741,800	796,000	746,100	802,000	747,100	900,000	747,500	930,000	748,100	1000,000
GR	748,100	1100,000	750,300	1200,000	753,500	1300,000	756,400	1400,000	762,700	1500,000
GR	770,000	1540,000	780,000	1600,000	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	550,000	640,000	0	0
X1	28900.900	16,000	575,000	625,000	1020,000	1020,000	1020,000	0	0	0
GR	780,000	50,000	776,000	200,000	770,000	320,000	760,000	390,000	758,000	430,000
GR	756,000	400,000	754,000	540,000	752,000	560,000	750,000	575,000	748,000	590,000
GR	747,000	600,000	748,000	615,000	750,000	625,000	760,000	650,000	770,000	710,000
GR	780,000	810,000	0	0	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	320,000	420,000	0	0
X1	31900.000	12,000	355,000	410,000	3000,000	3000,000	3000,000	0	0	0
GR	780,000	50,000	778,000	60,000	776,000	90,000	774,000	110,000	772,000	210,000
GR	770,000	355,000	763,200	380,000	763,200	400,000	770,000	410,000	772,000	430,000
GR	776,000	450,000	780,000	480,000	0	0	0	0	0	0
QT	5,000	2120,000	3180,000	3630,000	6030,000	3630,000	0	0	0	0
ET	0	0	0	0	0	7,100	320,000	420,000	0	0
X1	32150.000	0	0	0	250,000	250,000	250,000	0	0	0
ET	0	0	0	0	0	7,100	895,000	1095,000	0	0
X1	32200.000	17,000	1000,000	1035,000	50,000	50,000	50,000	0	0	0
GR	790,000	600,000	786,300	660,000	784,000	700,000	778,400	800,000	776,000	850,000
GR	774,000	870,000	773,800	900,000	772,500	1000,000	764,900	1001,000	764,900	1034,000
GR	772,100	1035,000	773,500	1100,000	776,000	1200,000	776,000	1300,000	781,600	1400,000
GR	786,800	1460,000	790,000	1500,000	0	0	0	0	0	0
SR	1.250	1.500	3,000	0	31,000	2,000	434,000	0	0	0
ET	0	0	0	0	0	10,400	0	0	0	0
ET	0	0	0	0	0	7,100	910,000	1090,000	0	0
X1	32360.000	0	0	0	160,000	160,000	160,000	0	0,500	0
X2	0	0	1,000	0	0	0	0	0	0	0
BT	15,000	600,000	790,000	0	660,000	786,300	0	700,000	786,000	0
BT	800,000	785,500	0	900,000	785,700	0	1000,000	785,500	0	1000,000
BT	785,500	779,200	1035,000	785,500	779,200	1035,000	785,500	0	1100,000	785,800
BT	0	1200,000	786,000	0	1300,000	786,100	0	1400,000	786,300	0
BT	1460,000	786,800	0	1500,000	770,000	0	0	0	0	0
ET	0	0	0	0	0	7,100	898,000	1078,000	0	0
X1	32410.000	19,000	1000,000	1035,000	50,000	50,000	50,000	0	0	0
GR	790,000	440,000	782,700	550,000	730,000	600,000	775,000	700,000	773,600	800,000
GR	775,700	900,000	771,500	1000,000	766,400	1000,000	765,800	1010,000	766,400	1030,000
GR	771,300	1035,000	774,400	1100,000	775,100	1200,000	775,800	1300,000	781,200	1350,000

GR	782,000	1400,000	782,900	1900,000	784,900	1998,000	790,000	1010,000	0.	0.
ET	0.	0.	0.	0.	0.	4,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	905,000	1055,000	0.	0.
X1	33200,000	24,000	1000,000	1051,000	790,000	790,000	790,000	0.	0.	0.
GR	800,000	390,000	790,000	620,000	788,000	670,000	786,000	690,000	784,100	760,000
GR	781,400	800,000	775,000	900,000	775,000	1000,000	771,000	1007,000	769,500	1025,000
GR	769,900	1038,000	775,000	1051,000	778,000	1074,000	780,000	1100,000	783,200	1150,000
GR	784,300	1186,000	786,000	1190,000	788,000	1210,000	790,000	1250,000	792,000	1310,000
GR	794,000	1320,000	796,000	1380,000	798,000	1420,000	800,000	1450,000	0.	0.
ET	0.	0.	0.	0.	0.	6,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	887,000	1037,000	0.	0.
X1	33249,000	15,000	1000,000	1023,000	49,000	49,000	49,000	0.	0.	0.
GR	800,000	390,000	790,000	620,000	781,400	800,000	775,000	900,000	775,000	1000,000
GR	768,700	1001,000	768,700	1022,000	775,000	1023,000	780,000	1100,000	783,900	1150,000
GR	790,000	1250,000	792,000	1280,000	794,000	1300,000	796,000	1370,000	800,000	1430,000
SH	1,250	1,500	3,000	0.	23,000	1,000	210,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	878,000	1048,000	0.	0.
X1	33310,000	0.	0.	0.	61,000	61,000	61,000	0.	0,600	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
BT	13,000	390,000	800,000	0.	620,000	790,000	0.	800,000	781,400	0.
BT	900,000	780,500	0.	1000,000	780,600	779,300	1023,000	780,800	779,300	1100,000
BT	781,700	0.	1150,000	783,900	0.	1250,000	790,000	0.	1280,000	792,000
BT	0.	1300,000	794,000	0.	1370,000	796,000	0.	1430,000	800,000	0.
ET	0.	0.	0.	0.	0.	7,100	965,000	1135,000	0.	0.
X1	33360,000	10,000	1000,000	1048,000	30,000	30,000	30,000	0.	0.	0.
GR	800,000	550,000	785,000	870,000	775,000	970,000	775,000	1000,000	769,900	1007,000
GR	768,900	1021,000	769,300	1033,000	775,000	1048,000	785,000	1380,000	800,000	1450,000
QT	5,000	1820,000	2730,000	3130,000	5300,000	3130,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	8,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	815,000	1035,000	0.	0.
X1	34140,000	19,000	1000,000	1032,000	780,000	780,000	780,000	1,000	-6,400	0.
GR	806,000	400,000	804,000	455,000	802,000	500,000	794,900	600,000	788,700	700,000
GR	783,600	800,000	783,200	900,000	784,700	1000,000	778,600	1007,000	778,500	1020,000
GR	783,600	1032,000	788,400	1047,000	788,300	1077,000	788,700	1100,000	789,200	1125,000
GR	800,000	1150,000	802,000	1155,000	804,000	1160,000	806,000	1175,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	835,000	1035,000	0.	0.
X1	34930,000	0.	0.	0.	790,000	790,000	790,000	1,000	3,200	0.
ET	0.	0.	0.	0.	0.	7,100	835,000	1035,000	0.	0.
X1	35720,000	0.	0.	0.	790,000	790,000	790,000	1,000	3,200	0.
ET	0.	0.	0.	0.	0.	9,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	925,000	1165,000	0.	0.
X1	37160,000	17,000	1000,000	1039,000	1440,000	1440,000	1440,000	0.	0.	0.
GR	810,000	700,000	808,000	745,000	806,000	746,000	804,000	760,000	802,000	775,000
GR	798,400	800,000	791,500	850,000	787,600	900,000	788,800	1000,000	782,500	1007,000
GR	782,500	1018,000	788,900	1039,000	788,200	1100,000	789,000	1200,000	792,100	1300,000
GR	798,900	1400,000	810,000	1550,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	945,000	1145,000	0.	0.
X1	37860,000	0.	0.	0.	700,000	700,000	700,000	1,000	3,200	0.

	0.	0.	0.	0.	0.	7,100	7,100	11,47,000	0.	0.
X1	38560,000	0.	0.	0.	700,000	700,000	700,000	1,000	3,200	0.
QT	5,000	1470,000	2270,000	2630,000	4260,000	2630,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1001,000	1047,000	0.	0.
X1	38760,000	21,000	1000,000	1043,000	200,000	200,000	200,000	1,000	-2,400	0.
GR	860,000	150,000	850,000	240,000	835,000	530,000	831,000	625,000	829,000	650,000
GR	827,000	700,000	822,000	800,000	810,000	900,000	802,000	1000,000	793,600	1009,000
GR	792,700	1019,000	792,800	1029,000	797,400	1043,000	802,900	1050,000	804,800	1100,000
GR	805,200	1171,000	806,700	1200,000	808,000	1350,000	810,000	1400,000	820,000	1700,000
GR	830,000	1750,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1001,000	1047,000	0.	0.
X1	38770,000	0.	0.	0.	10,000	10,000	10,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1001,000	1048,000	0.	0.
X1	38780,000	0.	0.	0.	10,000	10,000	10,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	100,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	995,000	1045,000	0.	0.
X1	39280,000	0.	0.	0.	500,000	500,000	500,000	1,000	2,400	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1040,000	0.	0.
X1	39338,000	20,000	1000,000	1027,000	58,000	58,000	58,000	0.	0.	0.
GR	860,000	150,000	850,000	240,000	835,000	530,000	831,000	625,000	829,000	650,000
GR	827,000	700,000	822,000	800,000	810,000	900,000	802,000	1000,000	791,600	1001,000
GR	791,600	1026,000	797,400	1027,000	805,000	1050,000	807,000	1100,000	808,000	1171,000
GR	809,000	1200,000	811,000	1300,000	812,000	1400,000	835,000	1700,000	850,000	1750,000
SR	1,250	1,500	3,000	0.	27,000	2,000	200,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1040,000	0.	0.
X1	39461,000	0.	0.	0.	123,000	123,000	123,000	1,000	1,100	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
BT	15,000	150,000	860,000	0.	210,000	850,000	0.	530,000	835,000	0.
BT	625,000	831,000	0.	700,000	827,000	0.	800,000	822,000	0.	900,000
BT	810,000	0.	1000,000	804,100	800,700	1027,000	804,100	800,700	1100,000	807,000
BT	0.	1200,000	809,000	0.	1300,000	811,000	0.	1400,000	812,000	0.
BT	1700,000	835,000	0.	1750,000	850,000	0.	0.	0.	0.	0.
NC	0,120	0,120	0,060	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1050,000	0.	0.
X1	39490,000	19,000	1000,000	1045,000	29,000	29,000	29,000	0.	0.	0.
GR	830,000	640,000	820,000	830,000	810,000	900,000	808,000	903,000	806,000	915,000
GR	803,200	1000,000	793,500	1012,000	793,300	1019,000	793,400	1026,000	803,500	1045,000
GR	806,000	1070,000	808,000	1170,000	810,000	1260,000	812,000	1390,000	814,000	1410,000
GR	816,000	1510,000	818,000	1535,000	820,000	1550,000	830,000	1570,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1050,000	0.	0.
X1	39491,000	0.	0.	0.	1,000	1,000	1,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1050,000	0.	0.
X1	39492,000	0.	0.	0.	1,000	1,000	1,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	990,000	1050,000	0.	0.

X1	39493.000	0.	0.	0.	1.000	1.000	1.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39494.000	0.	0.	0.	1.000	1.000	1.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39495.000	0.	0.	0.	1.000	1.000	1.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39500.000	0.	0.	0.	5.000	5.000	5.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39510.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39520.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39530.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39540.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39550.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
NC	0.120	0.120	0.060	0.200	0.400	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	39600.000	0.	0.	0.	50.000	50.000	50.000	0.	0.	0.
QT	5,000	1250.000	1910.000	2280.000	3370.000	2280.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	990.000	1050.000	0.	0.
X1	42100.000	13.000	1000.000	1043.000	2500.000	2500.000	2500.000	0.	0.	0.
GR	831.600	700.000	824.500	800.000	815.600	900.000	812.300	1000.000	805.900	1009.000
GR	805.800	1022.000	811.600	1043.000	820.000	1100.000	825.600	1125.000	829.500	1170.000
GR	820.000	1171.000	820.000	1320.000	830.000	1321.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	960.000	1050.000	0.	0.
X1	42140.000	0.	0.	0.	40.000	40.000	40.000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	1000.000	1160.000	0.	0.
X1	42195.000	17.000	1000.000	1160.000	55.000	55.000	55.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	820.000	820.000	0.
GR	840.000	630.000	834.100	700.000	827.200	800.000	819.000	900.000	815.600	940.000
GR	813.400	1000.000	810.400	1040.000	806.500	1060.000	805.000	1069.000	807.200	1080.000
GR	812.600	1100.000	820.000	1140.000	825.600	1160.000	829.000	1200.000	820.000	1201.000
GP	820.000	1350.000	830.000	1351.000	0.	0.	0.	0.	0.	0.
SB	1.250	1.500	3.000	0.	116.000	7.000	3797.000	0.770	0.	0.
ET	0.	0.	0.	0.	0.	7.100	1000.000	1160.000	0.	0.
X1	42205.000	0.	0.	0.	10.000	10.000	10.000	0.	0.	0.
X2	0.	0.	1.000	0.	0.	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	820.000	820.000	0.

BT	10,000	830,000	840,000	0	700,000	837,200	0	800,000	837,500	0
BT	900,000	836,900	0	1000,000	837,000	833,400	1160,000	837,000	833,400	1200,000
BT	837,500	0	1201,000	820,000	0	1350,000	820,000	0	1351,000	830,000
BT	0	0	0	0	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	960,000	1050,000	0	0
X1	42220,000	13,000	1000,000	1043,000	15,000	15,000	15,000	0	0	0
GR	831,600	700,000	824,500	800,000	815,600	900,000	812,300	1000,000	805,900	1009,000
GR	805,800	1022,000	811,600	1043,000	820,000	1100,000	825,600	1125,000	829,500	1170,000
GR	820,000	1171,000	820,000	1320,000	830,000	1321,000	0	0	0	0
NC	0,080	0,080	0,060	0	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	980,000	1050,000	0	0
X1	42240,000	0	0	0	20,000	20,000	20,000	0	0	0
ET	0	0	0	0	0	7,100	1000,000	1019,000	0	0
X1	42241,000	17,000	1001,000	1017,000	1,000	1,000	1,000	0	0	0
BT	17,000	130,000	840,000	0	500,000	830,000	0	640,000	828,000	0
BT	810,000	826,000	0	870,000	824,000	0	935,000	822,000	0	1000,000
BT	820,100	0	1000,000	820,100	815,900	1017,000	820,300	816,000	1017,000	820,300
BT	0	1100,000	820,900	0	1200,000	823,900	0	1230,000	824,500	0
BT	1349,000	827,000	0	1350,000	820,000	0	1500,000	820,000	0	1501,000
BT	830,000	0	0	0	0	0	0	0	0	0
GR	840,000	130,000	830,000	500,000	828,000	640,000	826,000	810,000	824,000	870,000
GR	822,000	935,000	820,100	1000,000	807,500	1001,000	806,000	1017,000	820,300	1019,000
GR	820,900	1100,000	823,900	1200,000	824,500	1230,000	827,000	1349,000	820,000	1350,000
GR	820,000	1500,000	830,000	1501,000	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	1000,000	1019,000	0	0
X1	42259,000	0	0	0	18,000	18,000	18,000	0	0	0
X2	0	0	0	0	0	0	1,000	0	0	0
ET	0	0	0	0	0	7,100	1000,000	1060,000	0	0
X1	42260,000	17,000	1000,000	1044,000	1,000	1,000	1,000	0	0	0
GR	840,000	100,000	830,000	420,000	828,000	460,000	826,000	880,000	824,000	895,000
GR	822,000	897,000	820,000	905,000	810,900	1000,000	807,000	1010,000	806,700	1035,000
GR	813,300	1044,000	816,000	1140,000	820,000	1180,000	827,000	1349,000	820,000	1350,000
GR	820,000	1500,000	830,000	1501,000	0	0	0	0	0	0
NC	0,120	0,120	0,060	0	0	0	0	0	0	0
ET	0	0	0	0	0	7,100	1000,000	1060,000	0	0
X1	42310,000	0	0	0	50,000	50,000	50,000	0	0	0
ET	0	0	0	0	0	7,100	1000,000	1060,000	0	0
X1	42500,000	15,000	1000,000	1044,000	190,000	190,000	190,000	1,000	0,700	0
GR	840,000	100,000	830,000	420,000	828,000	460,000	826,000	880,000	824,000	895,000
GR	822,000	897,000	820,000	905,000	810,900	1000,000	807,000	1010,000	806,700	1035,000
GR	813,300	1044,000	816,000	1140,000	820,000	1180,000	827,000	1349,000	830,000	1500,000
ET	0	0	0	0	0	7,100	1000,000	1060,000	0	0
X1	42600,000	0	0	0	100,000	100,000	100,000	1,000	0,500	0
ET	0	0	0	0	0	7,100	985,000	1045,000	0	0
X1	43275,000	16,000	1000,000	1042,000	675,000	675,000	675,000	0	0	0
GR	840,000	500,000	830,000	630,000	827,700	700,000	826,800	800,000	826,400	900,000
GR	819,500	965,000	816,400	1000,000	811,200	1006,000	610,200	1035,000	820,400	1042,000
GR	825,300	1100,000	826,000	1135,000	826,100	1165,000	826,200	1200,000	835,500	1288,000

GR	640,000	1330,000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	939,000	1039,000	0.	0.
X1	43327,000	16,000	1000,000	1009,000	52,000	52,000	52,000	0.	0.	0.
GR	840,000	500,000	830,000	630,000	827,700	700,000	826,800	800,000	826,400	900,000
GR	819,500	965,000	816,400	1000,000	812,900	1001,000	812,900	1008,000	820,400	1009,000
GR	825,300	1100,000	826,000	1135,000	826,100	1165,000	826,200	1200,000	835,500	1288,000
GR	840,000	1330,000	0.	0.	0.	0.	0.	0.	0.	0.
SB	0.	1,500	3,000	0.	9,000	0.	27,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	950,000	1050,000	0.	0.
X1	43374,000	0.	0.	0.	27,000	27,000	27,000	0.	0,300	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
BT	11,000	500,000	840,000	0.	630,000	830,000	0.	700,000	827,700	0.
BT	800,000	826,700	0.	900,000	825,500	0.	1000,000	825,300	822,200	1009,000
BT	825,300	822,200	1100,000	826,900	0.	1200,000	830,800	0.	1276,000	833,700
BT	0.	1330,000	840,000	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	955,000	1065,000	0.	0.
X1	43390,000	14,000	1000,000	1034,000	16,000	16,000	16,000	0.	0.	0.
GR	840,000	500,000	830,000	630,000	827,700	700,000	826,800	800,000	826,400	900,000
GR	818,400	1000,000	814,100	1010,000	813,700	1025,000	818,400	1034,000	825,300	1100,000
GR	826,000	1135,000	826,200	1200,000	835,500	1288,000	840,000	1330,000	0.	0.
ET	0.	0.	0.	0.	0.	7,100	962,000	1062,000	0.	0.
X1	43450,000	0.	0.	0.	60,000	60,000	60,000	1,000	0,200	0.
ET	0.	0.	0.	0.	0.	7,100	968,000	1056,000	0.	0.
X1	43600,000	0.	0.	0.	150,000	150,000	150,000	1,000	0,600	0.
ET	0.	0.	0.	0.	0.	7,100	980,000	1060,000	0.	0.
X1	44100,000	15,000	1000,000	1060,000	500,000	500,000	500,000	0.	0.	0.
GR	850,000	550,000	848,000	580,000	846,000	610,000	844,000	730,000	842,000	780,000
GR	838,100	200,000	826,900	933,000	823,200	1000,000	816,300	1008,000	817,500	1020,000
GR	828,400	1060,000	829,700	1100,000	830,100	1200,000	840,000	1230,000	850,000	1300,000
ET	0.	0.	0.	0.	0.	7,100	460,000	540,000	0.	0.
X1	44150,000	26,000	499,600	512,400	50,000	50,000	50,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	825,700	825,700	0.
GR	850,000	50,000	848,000	80,000	846,000	110,000	844,000	230,000	842,000	280,000
GR	838,100	300,000	826,900	433,000	823,200	499,500	820,000	499,600	819,200	499,600
GR	818,400	500,000	816,000	500,500	817,700	502,000	817,400	504,000	817,300	506,000
GR	817,400	508,000	817,700	510,000	818,000	511,200	818,400	512,000	819,200	512,400
GR	820,000	512,400	828,400	560,000	829,700	600,000	830,100	700,000	840,000	730,000
GR	850,000	800,000	0.	0.	0.	0.	0.	0.	0.	0.
SB	0.	1,500	3,000	0.	7,000	0.	81,000	0,300	0.	0.
ET	0.	0.	0.	0.	0.	7,100	448,000	548,000	0.	0.
X1	44231,000	0.	0.	0.	81,000	81,000	81,000	0.	0,200	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	828,500	828,500	0.
BT	23,000	50,000	850,000	0.	80,000	848,000	0.	110,000	846,000	0.
BT	230,000	844,000	0.	280,000	842,000	0.	300,000	836,500	0.	400,000
BT	831,600	0.	499,600	828,500	820,000	500,000	828,500	821,700	500,500	828,500
BT	822,700	502,000	828,500	824,400	504,000	828,500	825,400	506,000	828,500	825,700
BT	508,000	828,500	825,400	510,000	828,500	824,300	511,500	828,500	822,600	512,000
BT	828,500	821,600	512,400	828,500	820,000	560,000	828,400	0.	600,000	829,700
BT	0.	700,000	830,100	0.	730,000	840,000	0.	800,000	850,000	0.

	0.	0.	0.	0.	0.	7,100	1000,000	1180,000	0.	0.
X1	44245,000	10,000	1000,000	1020,000	14,000	14,000	14,000	0.	0.	0.
GR	850,000	680,000	827,100	1000,000	821,400	1002,000	820,800	1015,000	824,800	1020,000
GR	826,000	1200,000	830,000	1250,000	830,000	1400,000	840,000	1700,000	850,000	1820,000
ET	0.	0.	0.	0.	0.	7,100	1000,000	1160,000	0.	0.
X1	44300,000	0.	0.	0.	55,000	55,000	55,000	1,000	0.300	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1150,000	0.	0.
X1	44500,000	0.	0.	0.	200,000	200,000	200,000	1,000	1,000	0.
UT	5,000	1240,000	1840,000	2180,000	3000,000	2180,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	945,000	1045,000	0.	0.
X1	45100,000	12,000	1000,000	1038,000	600,000	600,000	600,000	0.	0.	0.
GR	860,000	610,000	850,000	685,000	840,000	710,000	832,800	905,000	830,800	1000,000
GR	824,400	1002,000	824,600	1021,000	833,200	1038,000	833,500	1100,000	840,000	1300,000
GR	850,000	1430,000	860,000	1620,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	995,000	1045,000	0.	0.
X1	45162,000	17,000	1001,000	1030,000	62,000	62,000	62,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	830,100	830,000	0.
GR	860,000	425,000	850,000	580,000	840,000	800,000	838,000	050,000	836,000	875,000
GR	834,000	980,000	830,000	1001,000	824,800	1002,000	824,900	1029,000	830,000	1050,000
GR	832,000	1050,000	834,000	1100,000	836,000	1300,000	838,000	1340,000	840,000	1360,000
GR	850,000	1550,000	860,000	1700,000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	988,000	1038,000	0.	0.
X1	45163,000	0.	0.	0.	1,000	1,000	1,000	0.	0.	0.
BT	15,000	425,000	860,000	0.	580,000	850,000	0.	700,000	844,500	0.
BT	800,000	840,000	0.	900,000	835,600	0.	1001,000	833,100	0.	1001,000
UT	833,100	830,100	1030,000	833,200	830,000	1031,000	833,200	0.	1100,000	834,000
BT	0.	1200,000	835,100	0.	1300,000	837,600	0.	1400,000	841,100	0.
BT	1550,000	850,000	0.	1700,000	860,000	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1100,000	0.	0.
X1	45217,000	0.	0.	0.	54,000	54,000	54,000	0.	0.	0.
X2	0.	0.	0.	0.	0.	0.	1,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1100,000	0.	0.
X1	45218,000	0.	0.	0.	1,000	1,000	1,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	833,100	833,200	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1050,000	0.	0.
X1	45250,000	13,000	1000,000	1039,000	32,000	32,000	32,000	0.	0.	0.
GR	860,000	450,000	850,000	650,000	840,000	800,000	838,000	820,000	834,800	1000,000
GR	825,500	1005,000	825,800	1034,000	834,800	1039,000	836,000	1300,000	838,000	1340,000
GR	840,000	1360,000	850,000	1550,000	860,000	1700,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1050,000	0.	0.
X1	45670,000	0.	0.	0.	420,000	420,000	420,000	0.	3,000	0.
NC	0.120	0.120	0.069	0.200	0.400	0.	0.	0.	0.	0.
UT	5,000	800,000	1220,000	1500,000	2010,000	1500,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	955,000	1035,000	0.	0.

X1	340,000	10,000	1000,000	1030,000	340,000	340,000	340,000	0.	0.	0.
GR	854,900	760,000	851,500	800,000	840,900	900,000	835,800	1000,000	833,100	1005,000
GR	832,900	1025,000	837,700	1030,000	838,900	1060,000	847,100	1100,000	853,400	1150,000
ET	0.	0.	0.	0.	0.	7,100	940,000	1040,000	0.	0.
X1	395,000	0.	0.	0.	54,000	54,000	54,000	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1120,000	0.	0.
X1	395,000	23,000	1000,000	1120,000	1,000	1,000	1,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	848,400	848,400	0.
GR	850,600	700,000	850,000	800,000	850,000	900,000	850,600	999,000	844,600	1000,000
GR	840,500	1014,000	831,700	1022,000	832,700	1027,000	832,900	1040,000	832,900	1051,000
GR	834,200	1053,000	833,800	1063,000	838,200	1067,000	837,800	1080,000	839,400	1093,000
GR	839,100	1100,000	842,300	1106,000	845,100	1114,000	845,500	1120,000	850,600	1121,000
GR	851,200	1200,000	852,300	1300,000	852,300	1305,000	0.	0.	0.	0.
SR	0,900	1,500	3,000	0.	34,000	11,000	1142,000	2,570	0.	0.
ET	0.	0.	0.	0.	0.	7,100	1000,000	1120,000	0.	0.
X1	405,000	0.	0.	0.	10,000	10,000	10,000	0.	0.	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	850,600	850,600	0.
BT	11,000	700,000	850,600	0.	800,000	850,000	0.	900,000	850,000	0.
BT	999,000	850,600	848,400	1000,000	850,600	848,400	1063,000	850,300	848,400	1120,000
BT	850,600	848,400	1121,000	850,600	848,400	1200,000	851,200	0.	1300,000	852,300
BT	0.	1305,000	852,300	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	940,000	1030,000	0.	0.
X1	410,000	10,000	1000,000	1030,000	5,000	5,000	5,000	0.	0.	0.
GR	854,900	760,000	851,500	800,000	840,900	900,000	835,800	1000,000	833,100	1005,000
GR	832,900	1025,000	837,700	1030,000	838,900	1060,000	847,100	1100,000	853,400	1150,000
ET	0.	0.	0.	0.	0.	7,100	940,000	1040,000	0.	0.
X1	460,000	0.	0.	0.	50,000	50,000	50,000	0.	0,400	0.
ET	0.	0.	0.	0.	0.	7,100	980,000	1040,000	0.	0.
X1	400,000	0.	0.	0.	340,000	340,000	340,000	1,000	2,700	0.
ET	0.	0.	0.	0.	0.	7,100	970,000	1030,000	0.	0.
X1	1050,000	13,000	1000,000	1025,000	350,000	350,000	350,000	1,000	-2,700	0.
GR	870,000	330,000	861,100	800,000	856,600	700,000	854,000	800,000	851,100	900,000
GR	847,300	1000,000	841,500	1005,000	841,300	1020,000	848,500	1025,000	852,200	1100,000
GR	858,300	1200,000	865,100	1280,000	870,000	1350,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	970,000	1030,000	0.	0.
X1	1500,000	0.	0.	0.	350,000	350,000	350,000	1,000	2,700	0.
NC	0,015	0,015	0,015	0,500	1,000	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	10,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	970,000	1030,000	0.	0.
X1	1534,000	13,000	1000,000	1013,000	34,000	34,000	34,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	848,400	848,400	0.
GR	870,000	330,000	861,800	800,000	857,500	700,000	854,100	800,000	851,000	900,000
GR	847,300	1000,000	839,500	1000,100	839,500	1012,900	847,200	1013,000	851,200	1100,000
GR	857,200	1200,000	865,200	1290,000	870,000	1350,000	0.	0.	0.	0.
SR	0.	1,500	3,000	0.	13,000	0.	104,000	0.	839,700	839,500
ET	0.	0.	0.	0.	0.	11,400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7,100	970,000	1030,000	0.	0.

X1	1587.000	0.	0.	0.	53.000	53.000	53.000	0.	0.200	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	849.200	849.200	0.
BT	13.000	330.000	870.000	0.	600.000	861.800	0.	700.000	857.500	0.
BT	800.000	854.100	0.	900.000	851.000	0.	1000.000	849.200	848.400	1000.100
BT	849.200	848.400	1012.900	849.200	848.400	1013.000	849.200	848.400	1100.000	851.200
BT	0.	1200.000	857.200	0.	1290.000	865.200	0.	1350.000	870.000	0.
NC	0.120	0.120	0.060	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	974.000	1024.000	0.	0.
X1	1600.000	13.000	1000.000	1024.000	13.000	13.000	13.000	0.	0.	0.
GR	870.000	330.000	861.100	600.000	856.600	700.000	854.000	800.000	851.100	900.000
GR	844.600	1000.000	840.500	1004.000	841.800	1019.000	848.000	1024.000	852.200	1100.000
GR	858.300	1200.000	865.100	1280.000	870.000	1350.000	0.	0.	0.	0.
NC	0.	0.	0.	0.200	0.400	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	10.400	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	955.000	1055.000	0.	0.
X1	1855.000	11.000	1000.000	1028.000	255.000	255.000	255.000	0.	0.	0.
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.300	1000.000
GR	841.800	1007.000	842.000	1020.000	846.900	1028.000	849.500	1100.000	865.500	1200.000
GR	870.000	1220.000	0.	0.	0.	0.	0.	0.	0.	0.
NC	0.015	0.015	0.015	0.500	1.000	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	945.000	1065.000	0.	0.
X1	1905.000	12.000	1000.000	1017.000	50.000	50.000	50.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.600	1000.000
GR	839.500	1000.100	839.600	1016.900	845.600	1017.000	849.500	1100.000	865.500	1200.000
GR	868.100	1220.000	870.000	1260.000	0.	0.	0.	0.	0.	0.
SR	1.250	1.500	3.000	0.	17.000	1.000	96.000	0.	840.000	839.600
ET	0.	0.	0.	0.	0.	7.100	928.000	1078.000	0.	0.
X1	2105.000	0.	0.	0.	110.000	110.000	110.000	0.	0.400	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	852.500	852.500	0.
BT	9.000	660.000	870.000	0.	700.000	869.600	0.	800.000	860.900	0.
BT	900.000	852.700	0.	1000.000	852.500	846.000	1017.000	852.500	846.000	1100.000
BT	857.000	0.	1200.000	863.600	0.	1250.000	868.100	0.	0.	0.
NC	0.120	0.120	0.060	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	929.000	1074.000	0.	0.
X1	2040.000	11.000	1000.000	1028.000	25.000	25.000	25.000	0.	0.	0.
GR	870.000	660.000	866.600	700.000	859.800	800.000	850.200	900.000	846.300	1000.000
GR	841.800	1007.000	842.000	1020.000	846.900	1028.000	849.500	1100.000	865.500	1200.000
GR	870.000	1220.000	0.	0.	0.	0.	0.	0.	0.	0.
OT	5.000	740.000	1100.000	1400.000	1800.000	1400.000	0.	0.	0.	0.
NC	0.	0.	0.	0.200	0.400	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	950.000	1050.000	0.	0.
X1	2800.000	12.000	1000.000	1029.000	760.000	760.000	760.000	0.	0.	0.
GR	870.800	620.000	865.000	700.000	858.300	800.000	854.700	900.000	851.400	1000.000
GR	846.900	1003.000	846.900	1025.000	853.200	1029.000	853.700	1100.000	854.200	1200.000
GR	866.200	1300.000	875.900	1400.000	0.	0.	0.	0.	0.	0.
NC	0.015	0.015	0.015	0.500	1.000	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	7.100	1000.000	1080.000	0.	0.

3301 HV CHANGED MORE THAN HVINS

2853.00	6.44	852.44	0.	0.	853.67	1.23	0.16	0.79	852.70
740.	0.	740.	0.	0.	83.	0.	866.	224.	852.70
3.66	0.	8.91	0.	0.015	0.015	0.015	0.060	846.00	1000.00
0.001691	53.	53.	53.	2	0	0	0.	12.99	1013.00

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAKEA	SS	ELCHU	ELCHD
0.	115.00	3.00	0.	13.00	0.	78.00	0.	846.00	846.00	

*SECNO 2907,000

3301 HV CHANGED MORE THAN HVINS
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	OWEIR	OPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	
1013.97	853.67	0.	665.	76.	78.	78.	852.00	852.70	
2907.00	7.88	853.88	0.	0.	854.12	0.24	0.44	0.	852.70
740.	47.	476.	216.	35.	102.	117.	866.	224.	852.70
3.67	1.34	4.67	1.85	0.015	0.015	0.015	0.060	846.00	940.48
0.000364	54.	54.	54.	2	0	12	0.	204.53	1145.01

*SECNO 2920,000

2920.00	7.09	853.89	0.	0.	854.18	0.28	0.01	0.05	853.00
740.	10.	730.	0.	23.	169.	0.	866.	224.	854.00
3.67	0.44	4.31	0.	0.120	0.060	0.120	0.060	846.80	947.43
0.003738	13.	13.	13.	0	0	0	0.	80.51	1027.94

T1 GUILFORD COUNTY FIA-- 50 YR NATURAL
T2 RICHLAND CR (CR NO. 30) AND TRIBUTARY (CR. NO. 31)
T3 APR 77 ENF

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	0.	3.	0.	0.	0.	0.	0.	0.	677.000	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

*SECNO 2800,000

2800.00	6.94	853.84	0.	0.	354.26	0.42	0.60	0.15	851.40
1100.	93.	993.	14.	90.	182.	29.	1287.	290.	853.20
3.61	1.04	5.46	0.46	0.120	0.060	0.120	0.060	846.90	926.13
0.005377	760.	760.	760.	2	0	0	0.	201.45	1127.57

CCHV= 0.500 CEHV= 1.000

*SECNO 2853,000

2853.00	7.92	853.92	0.	0.	854.41	0.49	0.09	0.07	852.70
1100.	74.	695.	331.	37.	102.	121.	1287.	290.	852.70
3.61	1.97	6.80	2.72	0.015	0.015	0.015	0.060	846.00	938.85
0.000765	53.	53.	53.	2	0	0	0.	207.64	1146.50

SPECIAL BRIDGE

SB	XK	XKOR	COFO	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
0.	0	115.00	3.00	0.	13.00	0.	78.00	0.	846.00	846.00

*SECNO 2907,000

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	
1209.07	854.41	0.	1058.	46.	78.	78.	852.00	852.70	
2907.00	8.26	854.26	0.	0.	854.54	0.28	0.12	852.70	
1100.	109.	575.	415.	61.	107.	169.	1287.	291.	852.70
3.62	1.79	5.39	2.45	0.015	0.015	0.015	0.060	846.00	921.87
0.000455	54.	54.	54.	3	0	11	0.	240.06	1161.94

*SECNO 2920,000

2920.00	7.48	854.28	0.	0.	854.80	0.53	0.01	0.25	853.00
1100.	35.	1065.	0.	47.	180.	1.	1287.	291.	854.00
3.62	0.74	5.92	0.26	0.120	0.050	0.120	0.060	846.80	925.35
0.006543	13.	13.	13.	0	0	0	0.	108.65	1034.00

T1 GUILFORD COUNTY FIA 100 YR NATURAL
 T2 RICHLAND CR (CR NO. 30) AND TRIBUTARY (CR, NO. 31)
 T3 APR 77

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FQ
	0.	4.	0.	0.	0.	0.	0.	0.	677.860	0.
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

0.000394	0.74	2.25	0.74	0.120	0.060	0.120	0.060	841.80	861.16
	25.	25.	25.	0	0	0	0.	266.52	1127.68

CCHV= 0.200 CEHV= 0.400
 *SECNO 2800,000

2800.00	7.51	854.41	0.	0.	854.84	0.43	0.71	0.16	851.40
1400.	164.	1150.	86.	137.	198.	115.	1533.	316.	853.20
3.56	1.19	5.79	0.75	0.120	0.060	0.120	0.060	846.90	908.73
0.005386	760.	760.	760.	2	0	0	0.	293.04	1201.77

CCHV= 0.500 CEHV= 1.000
 *SECNO 2853,000

2853.00	8.81	854.81	0.	0.	855.00	0.19	0.04	0.12	852.70
1400.	214.	543.	644.	111.	114.	258.	1533.	316.	852.70
3.56	1.92	4.77	2.49	0.015	0.015	0.015	0.060	846.00	897.06
0.000326	53.	53.	53.	3	0	0	0.	289.84	1186.90

SPECIAL BRIDGE

SR	XK	XKOR	COFO	RDLEN	BWC	PYP	BAREA	SS	ELCHU	ELCHD
	0.	115.00	3.00	0.	13.00	0.	78.00	0.	846.00	846.00

*SECNO 2907,000
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	OWEIR	OPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
1430.09	855.00	0.	1372.	30.	78.	78.	852.00	852.70
2907.00	8.91	854.91	0.	0.	855.07	0.16	0.07	852.70
1400.	229.	515.	656.	122.	115.	275.	1534.	317.
3.57	1.88	4.47	2.38	0.015	0.015	0.015	0.060	846.00
0.000283	54.	54.	54.	2	0	11	0.	296.84

*SECNO 2920,000

2920.00	8.12	854.92	0.	0.	855.51	0.50	0.01	0.43	853.00
1400.	114.	1281.	6.	107.	198.	1.	1534.	317.	854.00
3.57	1.06	6.47	0.61	0.120	0.060	0.12	0.060	846.80	894.16
0.006896	13.	13.	13.	0	0	0	0.	154.14	1048.30

T1 GUILFORD CO, FJA 500 YR NATURAL
 T2 RICHLAND CR, AND TRIBUTARY (CR, 30 AND 31)
 T3 APR 77

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	0.	5.	0.	0.	0.	0.	0.	0.	680.190	0.
J2	NPROF	IPLT	PRFS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITHACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50751,52

NOTE: ASTERISK [*] AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

APR 77 EMF
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	O
100.000	675,46	676,27	0.	663,70	75,11	2870,00
100.000	677,00	677,89	0.	663,70	74,45	4700,00
100.000	677,86	678,80	0.	663,70	75,07	6110,00
100.000	680,19	681,25	0.	663,70	75,30	11020,00
820.000	678,99	679,38	0.	669,10	26,84	2870,00
820.000	680,84	681,48	0.	669,10	34,84	4700,00
820.000	681,87	682,70	0.	669,10	40,63	6110,00
820.000	684,59	686,02	0.	669,10	55,37	11020,00
869.000	678,98	679,71	0.	670,00	63,67	2870,00
869.000	680,72	681,97	0.	670,00	81,34	4700,00
869.000	681,63	683,36	0.	670,00	99,54	6110,00
869.000	684,57	686,60	0.	670,00	91,46	11020,00
891.000	679,00	679,73	682,00	670,00	62,99	2870,00
891.000	680,78	682,01	682,00	670,00	79,83	4700,00
891.000	681,72	683,41	682,00	670,00	96,63	6110,00
891.000	686,07	687,48	682,00	670,00	56,85	11020,00
950.000	679,68	680,00	0.	669,10	20,22	2870,00
950.000	681,90	682,39	0.	669,10	23,70	4700,00
950.000	683,30	683,89	0.	669,10	25,10	6110,00
950.000	686,94	687,82	0.	669,10	28,87	11020,00
3560.000	684,89	685,18	0.	673,20	19,42	2870,00
3560.000	687,59	687,93	0.	673,20	18,37	4700,00
3560.000	689,19	689,55	0.	673,20	18,60	6110,00
3560.000	693,24	693,61	0.	673,20	17,02	11020,00
6520.000	689,06	689,10	0.	678,00	9,40	2870,00
6520.000	691,27	691,31	0.	678,00	7,45	4700,00
6520.000	692,69	692,74	0.	678,00	6,79	6110,00
6520.000	696,45	696,51	0.	678,00	6,14	11020,00
6572.000	689,11	689,15	0.	678,10	9,72	2870,00
6572.000	691,31	691,35	0.	678,10	7,69	4700,00
6572.000	692,73	692,77	0.	678,10	6,99	6110,00
6572.000	696,48	696,54	0.	678,10	6,28	11020,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
6573.000	689.13	689.16	687.70	678.10	12.36	2870.00
6573.000	691.33	691.35	687.70	678.10	10.07	4700.00
6573.000	692.74	692.77	687.70	678.10	8.84	6110.00
6573.000	696.50	696.54	687.70	678.10	7.51	11020.00
6587.000	689.15	689.17	687.70	678.10	12.17	2870.00
6587.000	691.34	691.37	687.70	678.10	9.98	4700.00
6587.000	692.75	692.79	687.70	678.10	8.78	6110.00
6587.000	696.51	696.55	687.70	678.10	7.48	11020.00
6588.000	687.75	690.11	0.	678.10	246.15	2870.00
6588.000	691.33	691.37	0.	678.10	7.58	4700.00
6588.000	692.75	692.79	0.	678.10	6.91	6110.00
6588.000	696.50	696.56	0.	678.10	6.23	11020.00
6640.000	690.63	690.65	0.	678.10	4.02	2870.00
6640.000	691.37	691.41	0.	678.10	7.44	4700.00
6640.000	692.79	692.83	0.	678.10	6.82	6110.00
6640.000	696.53	696.59	0.	678.10	6.18	11020.00
9360.000	692.88	693.54	0.	680.20	52.37	2770.00
9360.000	694.92	695.68	0.	680.20	48.77	4180.00
9360.000	695.97	696.72	0.	680.20	45.83	5230.00
9360.000	699.33	699.96	0.	680.20	35.44	9530.00
12340.000	699.86	700.06	0.	684.90	11.70	2770.00
12340.000	702.01	702.25	0.	684.90	12.22	4180.00
12340.000	703.18	703.46	0.	684.90	13.13	5230.00
12340.000	706.62	707.04	0.	684.90	16.74	9530.00
12380.000	699.91	700.11	0.	684.90	11.48	2770.00
12380.000	702.07	702.30	0.	684.90	12.00	4180.00
12380.000	703.24	703.51	0.	684.90	12.92	5230.00
12380.000	706.69	707.11	0.	684.90	16.43	9530.00
12390.000	699.93	700.21	0.	686.90	16.88	2770.00
12390.000	702.03	702.45	0.	686.90	19.60	4180.00
12390.000	703.16	703.71	0.	686.90	22.51	5230.00
12390.000	706.77	707.19	0.	686.90	15.66	9530.00
12411.000	699.99	700.27	704.80	686.90	16.52	2770.00
12411.000	702.12	702.54	704.80	686.90	19.08	4180.00
12411.000	703.28	703.82	704.80	686.90	21.78	5230.00
12411.000	706.29	708.60	704.80	686.90	10.67	9530.00
12460.000	700.16	700.35	0.	685.10	11.27	2770.00
12460.000	702.42	702.65	0.	685.10	11.39	4180.00
12460.000	703.70	703.96	0.	685.10	11.94	5230.00
12460.000	708.35	708.66	0.	685.10	11.46	9530.00
15930.000	705.71	706.01	0.	694.70	27.05	2430.00
15930.000	707.61	707.87	0.	694.70	21.53	3730.00
15930.000	708.54	708.75	0.	694.70	16.77	4160.00
15930.000	712.67	712.87	0.	694.70	12.85	8400.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	0
15983.000	705.94	706.19	0.	695.50	38.09	2430.00
15983.000	707.73	708.01	0.	695.50	30.45	3730.00
15983.000	708.61	708.87	0.	695.50	23.51	4160.00
15983.000	712.62	713.04	0.	695.50	19.84	8400.00
16018.000	705.96	706.21	715.70	695.50	38.22	2430.00
16018.000	707.75	708.03	715.70	695.50	30.05	3730.00
16018.000	708.63	708.89	715.70	695.50	23.32	4160.00
16018.000	712.65	713.07	715.70	695.50	19.68	8400.00
16080.000	706.04	706.51	0.	695.40	31.37	2430.00
16080.000	707.70	708.43	0.	695.40	40.11	3730.00
16080.000	708.52	709.26	0.	695.40	37.07	4160.00
16080.000	712.36	713.56	0.	695.40	46.76	8400.00
17320.000	710.37	710.83	0.	699.20	38.95	2430.00
17320.000	712.57	713.06	0.	699.20	34.29	3730.00
17320.000	713.19	713.70	0.	699.20	33.39	4160.00
17320.000	717.73	718.38	0.	699.20	31.40	8400.00
18560.000	714.75	715.13	0.	703.10	30.86	2430.00
18560.000	716.68	717.14	0.	703.10	31.50	3730.00
18560.000	717.24	717.73	0.	703.10	31.51	4160.00
18560.000	721.63	722.27	0.	703.10	31.43	8400.00
19800.000	718.61	719.00	0.	707.00	31.49	2430.00
19800.000	720.58	721.05	0.	707.00	31.44	3730.00
19800.000	721.15	721.63	0.	707.00	31.45	4160.00
19800.000	725.53	726.17	0.	707.00	31.44	8400.00
23220.000	726.77	726.94	0.	715.80	17.39	2290.00
23220.000	728.41	728.59	0.	715.80	15.84	3520.00
23220.000	729.04	729.22	0.	715.80	16.31	4180.00
23220.000	732.60	732.78	0.	715.80	12.28	7600.00
23266.000	726.84	727.03	0.	712.20	18.67	2290.00
23266.000	728.42	728.72	0.	712.20	21.43	3520.00
23266.000	729.02	729.39	0.	712.20	23.88	4180.00
23266.000	732.72	732.83	0.	712.20	7.26	7600.00
23294.000	726.86	727.05	730.60	712.20	18.44	2290.00
23294.000	728.46	728.76	730.60	712.20	21.10	3520.00
23294.000	729.07	729.43	730.60	712.20	23.45	4180.00
23294.000	733.98	734.06	730.60	712.20	4.82	7600.00
23340.000	726.80	727.32	0.	717.80	54.18	2290.00
23340.000	728.51	728.93	0.	717.80	38.75	3520.00
23340.000	729.18	729.58	0.	717.80	35.99	4180.00
23340.000	733.96	734.12	0.	717.80	11.94	7600.00
23570.000	727.74	727.83	0.	718.50	9.07	2290.00
23570.000	729.28	729.40	0.	718.50	9.94	3520.00
23570.000	729.90	730.04	0.	718.50	10.64	4180.00
23570.000	734.21	734.34	0.	718.50	7.40	7600.00

SFCNO	CWSEL	EG	ELLC	ELMIN	10K*S	D
24000.000	728.30	728.70	0.	721.00	46.02	2290.00
24000.000	729.83	730.35	0.	721.00	44.75	3520.00
24000.000	730.47	731.05	0.	721.00	45.37	4180.00
24000.000	734.51	735.07	0.	721.00	28.36	7600.00
25300.000	734.91	735.51	0.	726.80	58.52	2290.00
25300.000	736.43	737.18	0.	726.80	60.77	3520.00
25300.000	737.13	737.95	0.	726.80	61.19	4180.00
25300.000	739.66	740.86	0.	726.80	70.95	7600.00
27880.000	748.99	749.37	0.	741.40	49.02	2200.00
27880.000	750.03	750.36	0.	741.40	42.45	3260.00
27880.000	750.48	750.79	0.	741.40	40.01	3810.00
27880.000	752.62	752.88	0.	741.40	31.08	6960.00
28900.000	754.43	755.04	0.	747.00	61.44	2200.00
28900.000	755.40	756.29	0.	747.00	77.09	3260.00
28900.000	755.79	756.82	0.	747.00	84.98	3810.00
28900.000	757.35	759.17	0.	747.00	126.50	6960.00
31900.000	771.72	772.25	0.	763.20	53.63	2200.00
31900.000	773.20	773.72	0.	763.20	45.04	3260.00
31900.000	773.82	774.34	0.	763.20	42.13	3810.00
31900.000	776.52	776.99	0.	763.20	33.59	6960.00
32150.000	772.89	773.16	0.	763.20	23.08	2120.00
32150.000	774.26	774.55	0.	763.20	22.55	3180.00
32150.000	774.84	775.11	0.	763.20	21.21	3630.00
32150.000	777.38	777.64	0.	763.20	17.19	6030.00
32200.000	772.67	773.66	0.	764.90	106.77	2120.00
32200.000	773.79	775.24	0.	764.90	137.17	3180.00
32200.000	774.42	775.74	0.	764.90	121.69	3630.00
32200.000	777.31	777.93	0.	764.90	58.31	6030.00
32360.000	772.98	773.97	779.20	765.20	106.32	2120.00
32360.000	774.33	775.61	779.20	765.20	119.21	3180.00
32360.000	774.86	776.08	779.20	765.20	111.92	3630.00
32360.000	781.72	781.80	779.20	765.20	7.80	6030.00
32410.000	773.45	774.63	0.	765.80	128.79	2120.00
32410.000	775.48	776.16	0.	765.80	66.48	3180.00
32410.000	776.08	776.58	0.	765.80	51.49	3630.00
32410.000	781.80	781.84	0.	765.80	4.33	6030.00
33200.000	778.23	778.46	0.	769.50	23.41	2120.00
33200.000	779.24	779.55	0.	769.50	28.85	3180.00
33200.000	779.47	779.83	0.	769.50	33.02	3630.00
33200.000	782.30	782.62	0.	769.50	23.40	6030.00
33249.000	778.32	778.67	0.	768.70	48.62	2120.00
33249.000	779.37	779.78	0.	768.70	55.88	3180.00
33249.000	779.63	780.09	0.	768.70	62.69	3630.00
33249.000	782.46	782.77	0.	768.70	38.49	6030.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
33310.000	778,36	778,87	779,30	769,30	71,89	2120,00
33310.000	781,76	781,92	779,30	769,30	20,51	3180,00
33310.000	782,03	782,21	779,30	769,30	23,28	3630,00
33310.000	783,46	783,72	779,30	769,30	31,92	6030,00
33360.000	778,78	779,02	0,	768,90	20,24	2120,00
33360.000	781,82	781,96	0,	768,90	9,85	3180,00
33360.000	782,09	782,26	0,	768,90	11,36	3630,00
33360.000	783,52	783,80	0,	768,90	17,18	6030,00
34140.000	780,57	780,70	0,	772,10	22,29	1820,00
34140.000	782,72	782,80	0,	772,10	11,72	2730,00
34140.000	783,11	783,19	0,	772,10	12,29	3130,00
34140.000	784,92	785,03	0,	772,10	13,75	5300,00
34930.000	782,94	783,18	0,	775,30	45,75	1820,00
34930.000	784,16	784,38	0,	775,30	37,15	2730,00
34930.000	784,58	784,80	0,	775,30	36,26	3130,00
34930.000	786,44	786,68	0,	775,30	32,56	5300,00
35720.000	786,32	786,52	0,	778,50	39,01	1820,00
35720.000	787,23	787,47	0,	778,50	41,00	2730,00
35720.000	787,60	787,84	0,	778,50	40,83	3130,00
35720.000	789,28	789,55	0,	778,50	40,47	5300,00
37160.000	790,93	791,07	0,	782,50	25,97	1820,00
37160.000	791,90	792,04	0,	782,50	25,15	2730,00
37160.000	792,25	792,40	0,	782,50	25,04	3130,00
37160.000	793,87	794,03	0,	782,50	24,43	5300,00
37860.000	793,40	793,69	0,	785,70	55,26	1820,00
37860.000	794,26	794,55	0,	785,70	52,10	2730,00
37860.000	794,59	794,88	0,	785,70	50,86	3130,00
37860.000	796,08	796,36	0,	785,70	45,65	5300,00
38560.000	796,85	797,07	0,	788,90	42,26	1820,00
38560.000	797,65	797,89	0,	788,90	43,69	2730,00
38560.000	797,95	798,20	0,	788,90	44,20	3130,00
38560.000	799,27	799,56	0,	788,90	45,61	5300,00
38760.000	797,66	798,27	0,	790,30	69,38	1470,00
38760.000	798,39	799,52	0,	790,30	113,44	2270,00
38760.000	798,82	800,03	0,	790,30	136,14	2630,00
38760.000	799,31	802,31	0,	790,30	261,54	4260,00
38770.000	797,75	798,34	0,	790,30	66,07	1470,00
38770.000	798,58	799,64	0,	790,30	103,65	2270,00
38770.000	798,88	800,18	0,	790,30	120,68	2630,00
38770.000	800,53	802,67	0,	790,30	154,09	4260,00
38780.000	797,83	798,41	0,	790,30	63,50	1470,00
38780.000	798,74	799,75	0,	790,30	96,01	2270,00
38780.000	799,07	800,31	0,	790,30	109,85	2630,00
38780.000	800,93	802,86	0,	790,30	130,75	4260,00

SFCNO	CWSEL	EG	ELLC	ELMIN	10K+S	0
39280.000	800,72	801,21	0.	792,70	49,24	1470,00
39280.000	802,56	803,24	0.	792,70	51,09	2270,00
39280.000	803,27	804,02	0.	792,70	51,08	2630,00
39280.000	805,85	806,76	0.	792,70	47,47	4260,00
39338.000	800,99	801,52	0.	791,60	50,90	1470,00
39338.000	802,81	803,63	0.	791,60	65,44	2270,00
39338.000	803,49	804,44	0.	791,60	69,89	2630,00
39338.000	805,95	807,29	0.	791,60	82,70	4260,00
39461.000	801,65	802,24	800,70	792,70	59,35	1470,00
39461.000	804,61	805,31	800,70	792,70	51,80	2270,00
39461.000	805,32	806,11	800,70	792,70	55,14	2630,00
39461.000	806,74	808,20	800,70	792,70	91,35	4260,00
39490.000	801,82	802,47	0.	793,30	78,80	1470,00
39490.000	804,89	805,47	0.	793,30	45,28	2270,00
39490.000	805,69	806,29	0.	793,30	42,15	2630,00
39490.000	807,83	808,53	0.	793,30	41,34	4260,00
39491.000	801,83	802,47	0.	793,30	78,44	1470,00
39491.000	804,90	805,48	0.	793,30	45,18	2270,00
39491.000	805,70	806,29	0.	793,30	42,07	2630,00
39491.000	807,84	808,53	0.	793,30	41,18	4260,00
39492.000	801,84	802,48	0.	793,30	78,01	1470,00
39492.000	804,90	805,48	0.	793,30	45,07	2270,00
39492.000	805,70	806,30	0.	793,30	41,98	2630,00
39492.000	807,85	808,53	0.	793,30	41,09	4260,00
39493.000	801,85	802,49	0.	793,30	77,61	1470,00
39493.000	804,91	805,49	0.	793,30	44,96	2270,00
39493.000	805,71	806,30	0.	793,30	41,88	2630,00
39493.000	807,85	808,54	0.	793,30	40,99	4260,00
39494.000	801,86	802,50	0.	793,30	77,21	1470,00
39494.000	804,91	805,49	0.	793,30	44,84	2270,00
39494.000	805,71	806,31	0.	793,30	41,78	2630,00
39494.000	807,86	808,54	0.	793,30	40,88	4260,00
39495.000	801,87	802,51	0.	793,30	76,82	1470,00
39495.000	804,92	805,50	0.	793,30	44,72	2270,00
39495.000	805,72	806,31	0.	793,30	41,68	2630,00
39495.000	807,86	808,55	0.	793,30	40,77	4260,00
39500.000	801,92	802,55	0.	793,30	75,15	1470,00
39500.000	804,95	805,52	0.	793,30	44,23	2270,00
39500.000	805,75	806,33	0.	793,30	41,26	2630,00
39500.000	807,89	808,57	0.	793,30	40,36	4260,00
39510.000	802,02	802,62	0.	793,30	71,44	1470,00
39510.000	805,00	805,56	0.	793,30	43,13	2270,00
39510.000	805,80	806,38	0.	793,30	40,31	2630,00
39510.000	807,95	808,61	0.	793,30	39,37	4260,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
39520.000	802.11	802.70	0.	793.30	68.81	1470.00
39520.000	805.06	805.61	0.	793.30	42.15	2270.00
39520.000	805.85	806.42	0.	793.30	39.37	2630.00
39520.000	808.01	808.65	0.	793.30	38.38	4260.00
39530.000	802.20	802.77	0.	793.30	66.08	1470.00
39530.000	805.11	805.65	0.	793.30	41.05	2270.00
39530.000	805.90	806.46	0.	793.30	38.57	2630.00
39530.000	808.06	808.69	0.	793.30	37.40	4260.00
39540.000	802.28	802.84	0.	793.30	63.56	1470.00
39540.000	805.16	805.67	0.	793.30	40.16	2270.00
39540.000	805.95	806.50	0.	793.30	37.65	2630.00
39540.000	808.12	808.73	0.	793.30	36.47	4260.00
39550.000	802.36	802.90	0.	793.30	61.26	1470.00
39550.000	805.21	805.74	0.	793.30	39.26	2270.00
39550.000	806.00	806.54	0.	793.30	36.91	2630.00
39550.000	808.17	808.77	0.	793.30	35.60	4260.00
39600.000	802.72	803.20	0.	793.30	52.11	1470.00
39600.000	805.45	805.93	0.	793.30	35.13	2270.00
39600.000	806.23	806.72	0.	793.30	32.97	2630.00
39600.000	808.41	808.95	0.	793.30	31.77	4260.00
42100.000	813.88	814.22	0.	805.80	36.64	1250.00
42100.000	815.03	815.50	0.	805.80	42.60	1910.00
42100.000	815.59	816.11	0.	805.80	44.06	2280.00
42100.000	817.18	817.73	0.	805.80	40.14	3370.00
42140.000	814.05	814.36	0.	805.80	32.77	1250.00
42140.000	815.24	815.67	0.	805.80	37.70	1910.00
42140.000	815.83	816.29	0.	805.80	38.45	2280.00
42140.000	817.39	817.89	0.	805.80	36.17	3370.00
42195.000	814.42	814.52	0.	805.00	14.84	1250.00
42195.000	815.71	815.85	0.	805.00	15.73	1910.00
42195.000	816.32	816.48	0.	805.00	16.30	2280.00
42195.000	817.86	818.08	0.	805.00	17.55	3370.00
42205.000	814.43	814.53	833.40	805.00	14.73	1250.00
42205.000	815.73	815.87	833.40	805.00	15.60	1910.00
42205.000	816.34	816.50	833.40	805.00	16.15	2280.00
42205.000	817.89	818.10	833.40	805.00	17.37	3370.00
42220.000	814.36	814.63	0.	805.80	27.27	1250.00
42220.000	815.63	815.99	0.	805.80	30.25	1910.00
42220.000	816.24	816.62	0.	805.80	30.40	2280.00
42220.000	817.80	818.22	0.	805.80	29.67	3370.00
42240.000	814.45	814.69	0.	805.80	24.51	1250.00
42240.000	815.76	816.06	0.	805.80	24.56	1910.00
42240.000	816.41	816.69	0.	805.80	23.52	2280.00
42240.000	818.01	818.30	0.	805.80	20.95	3370.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	0
42241.000	813,29	815,47	816,00	806,00	188,42	1250,00
* 42241.000	814,31	818,11	816,00	806,00	272,18	1910,00
* 42241.000	815,46	819,52	816,00	806,00	241,68	2280,00
* 42241.000	821,70	822,61	816,00	806,00	299,31	3370,00
42259.000	814,12	815,83	816,00	806,00	127,41	1250,00
42259.000	816,40	818,92	816,00	806,00	350,26	1910,00
42259.000	816,65	820,23	816,00	806,00	498,79	2280,00
42259.000	822,75	823,01	816,00	806,00	85,95	3370,00
42260.000	816,05	816,16	0,	806,70	8,88	1250,00
42260.000	819,36	819,41	0,	806,70	3,41	1910,00
42260.000	820,90	820,94	0,	806,70	2,35	2280,00
42260.000	823,02	823,05	0,	806,70	1,97	3370,00
42310.000	816,09	816,21	0,	806,70	9,91	1250,00
42310.000	819,37	819,44	0,	806,70	4,59	1910,00
42310.000	820,90	820,96	0,	806,70	3,38	2280,00
42310.000	823,02	823,07	0,	806,70	3,08	3370,00
42500.000	816,29	816,44	0,	807,40	13,17	1250,00
42500.000	819,46	819,55	0,	807,40	6,02	1910,00
42500.000	820,97	821,04	0,	807,40	4,51	2280,00
42500.000	823,07	823,15	0,	807,40	4,38	3370,00
42600.000	816,42	816,58	0,	807,70	14,47	1250,00
42600.000	819,51	819,61	0,	807,70	6,71	1910,00
42600.000	821,01	821,09	0,	807,70	5,02	2280,00
42600.000	823,11	823,20	0,	807,70	4,80	3370,00
43275.000	817,84	818,22	0,	810,20	41,73	1250,00
43275.000	820,19	820,59	0,	810,20	32,60	1910,00
43275.000	821,49	821,87	0,	810,20	26,61	2280,00
43275.000	823,53	823,99	0,	810,20	26,26	3370,00
* 43327.000	820,69	822,15	0,	812,90	418,29	1250,00
* 43327.000	821,84	823,36	0,	812,90	407,16	1910,00
* 43327.000	822,28	823,89	0,	812,90	420,92	2280,00
* 43327.000	823,50	825,09	0,	812,90	396,56	3370,00
43374.000	826,70	826,74	822,20	813,20	9,28	1250,00
43374.000	827,14	827,21	822,20	813,20	16,37	1910,00
43374.000	827,35	827,43	822,20	813,20	20,45	2280,00
43374.000	827,81	827,95	822,20	813,20	33,03	3370,00
43390.000	826,71	826,75	0,	813,70	2,85	1250,00
43390.000	827,15	827,23	0,	813,70	5,32	1910,00
43390.000	827,35	827,46	0,	813,70	6,83	2280,00
43390.000	827,81	828,00	0,	813,70	11,79	3370,00
43450.000	826,72	826,77	0,	813,90	3,12	1250,00
43450.000	827,18	827,27	0,	813,90	5,80	1910,00
43450.000	827,39	827,51	0,	813,90	7,42	2280,00
43450.000	827,88	828,07	0,	813,90	12,64	3370,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*5	Q
43600.000	826,77	826,83	0.	814,50	4.04	1250.00
43600.000	827,26	827,38	0.	814,50	7.50	1910.00
43600.000	827,50	827,64	0.	814,50	9.51	2280.00
43600.000	828,06	828,30	0.	814,50	15.64	3370.00
44100.000	827,07	827,22	0.	816,30	16.35	1250.00
44100.000	827,81	828,07	0.	816,30	25.81	1910.00
44100.000	828,18	828,49	0.	816,30	30.50	2280.00
44100.000	829,12	829,59	0.	816,30	40.83	3370.00
44150.000	827,02	827,48	0.	817,30	48.68	1250.00
44150.000	827,75	828,44	0.	817,30	72.40	1910.00
44150.000	828,13	828,92	0.	817,30	82.91	2280.00
44150.000	829,10	830,11	0.	817,30	103.50	3370.00
44231.000	829,62	829,73	825,70	817,50	11.97	1250.00
44231.000	830,29	830,48	825,70	817,50	19.34	1910.00
44231.000	830,54	830,77	825,70	817,50	24.03	2280.00
44231.000	831,14	831,50	825,70	817,50	37.47	3370.00
44245.000	829,72	829,76	0.	820,80	9.27	1250.00
44245.000	830,47	830,53	0.	820,80	12.78	1910.00
44245.000	830,76	830,83	0.	820,80	14.87	2280.00
44245.000	831,49	831,59	0.	820,80	19.91	3370.00
44300.000	829,77	829,82	0.	821,10	11.03	1250.00
44300.000	830,54	830,61	0.	821,10	14.95	1910.00
44300.000	830,84	830,92	0.	821,10	17.32	2280.00
44300.000	831,60	831,71	0.	821,10	22.56	3370.00
44500.000	830,04	830,12	0.	822,10	19.73	1250.00
44500.000	830,89	831,00	0.	822,10	23.74	1910.00
44500.000	831,24	831,36	0.	822,10	26.46	2280.00
44500.000	832,11	832,26	0.	822,10	31.48	3370.00
45100.000	831,82	832,40	0.	824,40	76.18	1240.00
45100.000	832,94	833,67	0.	824,40	86.23	1840.00
45100.000	833,46	834,21	0.	824,40	86.11	2180.00
45100.000	834,51	835,24	0.	824,40	77.73	3000.00
45162.000	832,32	832,80	0.	824,80	52.02	1240.00
45162.000	833,45	834,14	0.	824,80	63.79	1840.00
45162.000	833,92	834,71	0.	824,80	70.89	2180.00
45162.000	834,86	835,83	0.	824,80	81.59	3000.00
45163.000	831,95	833,07	830,10	824,80	407.51	1240.00
45163.000	832,39	834,87	830,10	824,80	897.28	1840.00
* 45163.000	832,32	835,80	830,10	824,80	1259.52	2180.00
* 45163.000	832,43	836,38	830,10	824,80	480.71	3000.00
45217.000	834,58	834,90	830,10	824,80	252.29	1240.00
45217.000	836,20	836,35	830,10	824,80	78.96	1840.00
45217.000	837,13	837,23	830,10	824,80	50.22	2180.00
45217.000	837,27	837,44	830,10	824,80	85.15	3000.00

SFCNO	CWSEL	EG	ELLC	ELMIN	10K*S	Q
45218,000	834,80	834,97	0.	824,80	14,31	1240,00
45218,000	836,20	836,36	0.	824,80	13,62	1840,00
45218,000	837,13	837,24	0.	824,80	10,40	2180,00
45218,000	837,26	837,46	0.	824,80	18,12	3000,00
45250,000	834,82	835,06	0.	825,50	22,40	1240,00
45250,000	836,16	836,48	0.	825,50	25,40	1840,00
45250,000	837,10	837,34	0.	825,50	19,19	2180,00
45250,000	837,21	837,62	0.	825,50	33,75	3000,00
45670,000	836,02	836,42	0.	828,50	45,55	1240,00
45670,000	837,21	838,10	0.	828,50	55,04	1840,00
45670,000	838,14	838,84	0.	828,50	60,30	2180,00
45670,000	838,93	839,90	0.	828,50	77,33	3000,00
340,000	837,92	838,41	0.	832,90	87,44	800,00
340,000	839,57	839,96	0.	832,90	51,81	1220,00
340,000	840,34	840,71	0.	832,90	44,93	1500,00
340,000	841,55	841,88	0.	832,90	35,53	2010,00
395,000	838,46	838,81	0.	832,90	54,69	800,00
395,000	839,91	840,22	0.	832,90	40,91	1220,00
395,000	840,63	840,94	0.	832,90	36,99	1500,00
395,000	841,78	842,07	0.	832,90	30,91	2010,00
395,000	838,73	838,85	0.	831,70	24,70	800,00
395,000	840,11	840,26	0.	831,70	23,79	1220,00
395,000	840,80	840,97	0.	831,70	23,08	1500,00
395,000	841,88	842,09	0.	831,70	23,04	2010,00
405,000	838,75	838,88	848,40	831,70	24,25	800,00
405,000	840,14	840,29	848,40	831,70	23,33	1220,00
405,000	840,63	841,00	848,40	831,70	22,66	1500,00
405,000	841,92	842,12	848,40	831,70	22,61	2010,00
410,000	838,66	838,97	0.	832,90	46,30	800,00
410,000	840,07	840,36	0.	832,90	35,97	1220,00
410,000	840,78	841,07	0.	832,90	33,41	1500,00
410,000	841,89	842,16	0.	832,90	28,85	2010,00
460,000	838,89	839,23	0.	833,30	53,49	800,00
460,000	840,24	840,57	0.	833,30	42,52	1220,00
460,000	840,93	841,26	0.	833,30	39,50	1500,00
460,000	842,02	842,34	0.	833,30	34,15	2010,00
800,000	841,06	841,54	0.	836,00	84,34	800,00
800,000	842,07	842,65	0.	836,00	83,96	1220,00
800,000	842,63	843,24	0.	836,00	80,98	1500,00
800,000	843,50	844,14	0.	836,00	77,18	2010,00
1050,000	844,55	845,32	0.	838,60	133,32	800,00
1050,000	845,67	846,77	0.	838,60	156,48	1220,00
1050,000	846,19	847,52	0.	838,60	172,01	1500,00
1050,000	846,94	848,58	0.	838,60	191,20	2010,00

SFCNO	CWSEL	EG	ELLC	ELMIN	10K*S	0
1500.000	848,24	848,74	0.	841,30	72,96	800,00
1500.000	849,72	850,30	0.	841,30	66,80	1220,00
1500.000	850,48	851,06	0.	841,30	62,21	1500,00
1500.000	851,55	852,10	0.	841,30	55,93	2010,00
1534.000	848,30	849,07	0.	839,50	8,31	800,00
1534.000	850,18	850,47	0.	839,50	3,41	1220,00
1534.000	851,09	851,28	0.	839,50	2,22	1500,00
1534.000	852,20	852,33	0.	839,50	1,36	2010,00
1587.000	849,23	849,60	848,40	839,70	4,08	800,00
1587.000	850,87	851,05	848,40	839,70	2,18	1220,00
1587.000	851,41	851,57	848,40	839,70	1,99	1500,00
1587.000	852,37	852,50	848,40	839,70	1,40	2010,00
1600.000	849,58	849,72	0.	840,50	16,92	800,00
1600.000	850,89	851,06	0.	840,50	17,96	1220,00
1600.000	851,41	851,61	0.	840,50	19,94	1500,00
1600.000	852,38	852,58	0.	840,50	20,33	2010,00
1855.000	850,00	850,11	0.	841,80	13,56	800,00
1855.000	851,34	851,44	0.	841,80	11,55	1220,00
1855.000	851,90	852,01	0.	841,80	12,04	1500,00
1855.000	852,88	852,99	0.	841,80	12,19	2010,00
1905.000	850,12	850,16	0.	839,50	0,34	800,00
1905.000	851,44	851,48	0.	839,50	0,27	1220,00
1905.000	852,02	852,05	0.	839,50	0,27	1500,00
1905.000	852,99	853,04	0.	839,50	0,27	2010,00
2105.000	851,48	851,74	846,00	839,90	1,68	800,00
2105.000	853,47	853,48	846,00	839,90	0,09	1220,00
2105.000	853,93	853,95	846,00	839,90	0,11	1500,00
2105.000	854,60	854,62	846,00	839,90	0,14	2010,00
2040.000	851,83	851,86	0.	841,80	3,59	800,00
2040.000	853,47	853,50	0.	841,80	3,28	1220,00
2040.000	853,93	853,97	0.	841,80	3,94	1500,00
2040.000	854,60	854,65	0.	841,80	5,18	2010,00
2800.000	852,28	852,72	0.	846,90	72,27	740,00
2800.000	853,84	854,26	0.	846,90	53,77	1100,00
2800.000	854,41	854,84	0.	846,90	53,86	1400,00
2800.000	855,25	855,58	0.	846,90	41,57	1800,00
2853.000	852,44	853,67	0.	846,00	16,91	740,00
2853.000	853,92	854,41	0.	846,00	7,65	1100,00
2853.000	854,81	855,00	0.	846,00	3,26	1400,00
2853.000	855,60	855,71	0.	846,00	1,81	1800,00
2907.000	853,88	854,12	852,00	846,00	3,64	740,00
2907.000	854,26	854,54	852,00	846,00	4,55	1100,00
2907.000	854,91	855,07	852,00	846,00	2,83	1400,00
2907.000	855,68	855,79	852,00	846,00	1,63	1800,00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	0
2920,000	853,89	854,18	0,	846,80	37,38	740,00
2920,000	854,28	854,80	0,	846,80	65,43	1100,00
2920,000	854,92	855,51	0,	846,80	68,96	1400,00
2920,000	855,69	856,28	0,	846,80	65,77	1800,00

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SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
100.000	675.46	444.63	500.00	554.00	734.55	234.77
100.000	677.00	437.50	500.00	554.00	762.29	324.79
100.000	677.86	433.52	500.00	554.00	771.09	337.57
100.000	680.19	422.73	500.00	554.00	794.02	371.29
820.000	678.99	976.82	1000.00	1070.00	1079.47	102.65
820.000	680.84	940.97	1000.00	1070.00	1086.47	145.50
820.000	681.87	929.89	1000.00	1070.00	1090.38	160.49
820.000	684.59	919.81	1000.00	1070.00	1101.97	182.16
869.000	678.98	1000.00	1000.00	1061.00	1061.00	61.00
869.000	680.72	1000.00	1000.00	1061.00	1061.00	61.00
869.000	681.63	1000.00	1000.00	1061.00	1061.00	61.00
869.000	684.57	920.77	1000.00	1061.00	1098.05	177.28
891.000	679.00	1000.00	1000.00	1061.00	1061.00	61.00
891.000	680.78	1000.00	1000.00	1061.00	1061.00	61.00
891.000	681.72	1000.00	1000.00	1061.00	1061.00	61.00
891.000	686.07	915.02	1000.00	1061.00	1112.75	197.73
950.000	679.68	963.42	1000.00	1070.00	1082.09	118.66
950.000	681.90	929.74	1000.00	1070.00	1090.53	160.79
950.000	683.30	924.54	1000.00	1070.00	1095.84	171.30
950.000	686.94	911.01	1000.00	1070.00	1128.24	217.23
3560.000	684.89	961.51	1000.00	1040.00	1142.03	180.52
3560.000	687.59	942.22	1000.00	1040.00	1174.56	232.34
3560.000	689.19	903.11	1000.00	1040.00	1193.87	290.76
3560.000	693.24	785.37	1000.00	1040.00	1290.62	505.25
6520.000	689.06	477.37	966.00	1000.00	999.27	521.91
6520.000	691.27	465.33	966.00	1000.00	1016.27	550.94
6520.000	692.69	457.60	966.00	1000.00	1042.62	585.02
6520.000	696.45	436.60	966.00	1000.00	1105.22	668.62
6572.000	689.11	477.64	966.00	1000.00	999.25	521.60
6572.000	691.31	465.70	966.00	1000.00	1015.03	549.33
6572.000	692.73	457.99	966.00	1000.00	1041.28	583.28
6572.000	696.48	437.03	966.00	1000.00	1104.63	667.60
6573.000	689.13	477.60	966.00	1000.00	999.25	521.66
6573.000	691.33	465.66	966.00	1000.00	1015.16	549.50
6573.000	692.74	457.96	966.00	1000.00	1041.40	583.44
6573.000	696.50	436.99	966.00	1000.00	1104.68	667.69
6587.000	689.15	477.47	966.00	1000.00	999.26	521.80
6587.000	691.34	465.56	966.00	1000.00	1015.51	549.95
6587.000	692.75	457.86	966.00	1000.00	1041.72	583.86
6587.000	696.51	436.90	966.00	1000.00	1104.81	667.91
6588.000	687.75	966.60	966.00	1000.00	998.51	31.91
6588.000	691.33	465.54	966.00	1000.00	1015.56	550.02
6588.000	692.75	457.85	966.00	1000.00	1041.76	583.91
6588.000	696.50	436.89	966.00	1000.00	1104.82	667.93

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
6640.000	690.63	469.40	966.00	1000.00	1002.43	533.03
6640.000	691.37	465.33	966.00	1000.00	1016.29	550.96
6640.000	692.79	457.66	966.00	1000.00	1042.41	584.74
6640.000	696.53	436.72	966.00	1000.00	1105.06	668.33
9360.000	692.88	1000.34	1000.00	1055.00	1054.29	53.95
9360.000	694.92	810.09	1000.00	1055.00	1089.16	279.08
9360.000	695.97	784.81	1000.00	1055.00	1103.56	318.75
9360.000	699.33	725.87	1000.00	1055.00	1124.69	398.82
12340.000	699.86	931.63	1000.00	1050.00	1123.04	191.42
12340.000	702.01	920.36	1000.00	1050.00	1133.90	213.54
12340.000	703.18	914.20	1000.00	1050.00	1139.84	225.64
12340.000	706.62	896.32	1000.00	1050.00	1157.98	261.66
12380.000	699.91	931.37	1000.00	1050.00	1123.29	191.91
12380.000	702.07	920.09	1000.00	1050.00	1134.17	214.08
12380.000	703.24	913.93	1000.00	1050.00	1140.10	226.17
12380.000	706.69	895.95	1000.00	1050.00	1158.39	262.44
12390.000	699.93	1000.00	1000.00	1071.00	1071.00	71.00
12390.000	702.03	1000.00	1000.00	1071.00	1071.00	71.00
12390.000	703.16	1000.00	1000.00	1071.00	1071.00	71.00
12390.000	706.77	895.83	1000.00	1071.00	1157.24	261.41
12411.000	699.99	1000.00	1000.00	1071.00	1071.00	71.00
12411.000	702.12	1000.00	1000.00	1071.00	1071.00	71.00
12411.000	703.28	1000.00	1000.00	1071.00	1071.00	71.00
12411.000	708.29	888.51	1000.00	1071.00	1165.49	276.98
12460.000	700.16	931.13	1000.00	1050.00	1123.52	192.40
12460.000	702.42	919.26	1000.00	1050.00	1134.97	215.71
12460.000	703.70	912.56	1000.00	1050.00	1141.42	228.86
12460.000	708.35	888.51	1000.00	1050.00	1166.58	278.07
15930.000	705.71	836.48	1000.00	1050.00	1119.60	283.12
15930.000	707.61	791.26	1000.00	1050.00	1131.14	339.88
15930.000	708.54	775.35	1000.00	1050.00	1136.77	361.41
15930.000	712.67	703.92	1000.00	1050.00	1171.92	468.00
15983.000	705.94	1005.32	1000.00	1152.00	1141.78	136.46
15983.000	707.73	1000.00	1000.00	1152.00	1152.00	152.00
15983.000	708.61	1000.00	1000.00	1152.00	1152.00	152.00
15983.000	712.62	1000.00	1000.00	1152.00	1152.00	152.00
16018.000	705.96	1003.42	1000.00	1152.00	1142.02	138.60
16018.000	707.75	1000.00	1000.00	1152.00	1152.00	152.00
16018.000	708.63	1000.00	1000.00	1152.00	1152.00	152.00
16018.000	712.65	1000.00	1000.00	1152.00	1152.00	152.00
16080.000	706.04	967.24	1000.00	1047.00	1051.37	84.13
16080.000	707.70	947.46	1000.00	1047.00	1054.75	107.29
16080.000	708.52	937.61	1000.00	1047.00	1056.43	118.81
16080.000	712.36	886.92	1000.00	1047.00	1064.25	177.33

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
17320.000	710.37	946.41	1000.00	1040.00	1082.09	135.68
17320.000	712.57	931.49	1000.00	1040.00	1086.13	154.65
17320.000	713.19	927.25	1000.00	1040.00	1087.28	160.04
17320.000	717.73	895.53	1000.00	1040.00	1095.63	200.11
18560.000	714.75	943.15	1000.00	1040.00	1082.97	139.82
18560.000	716.68	930.04	1000.00	1040.00	1086.53	156.48
18560.000	717.24	926.21	1000.00	1040.00	1087.56	161.35
18560.000	721.63	895.56	1000.00	1040.00	1095.63	200.07
19800.000	718.61	943.44	1000.00	1040.00	1082.98	139.45
19800.000	720.58	930.01	1000.00	1040.00	1086.53	156.53
19800.000	721.15	926.17	1000.00	1040.00	1087.57	161.40
19800.000	725.53	895.56	1000.00	1040.00	1095.63	200.07
23220.000	726.77	251.75	500.00	545.00	566.88	315.12
23220.000	728.41	219.40	500.00	545.00	572.67	353.27
23220.000	729.04	207.15	500.00	545.00	574.86	367.71
23220.000	732.60	170.34	500.00	545.00	587.38	417.03
23266.000	726.84	500.00	500.00	599.00	599.00	99.00
23266.000	728.42	500.00	500.00	599.00	599.00	99.00
23266.000	729.02	500.00	500.00	599.00	599.00	99.00
23266.000	732.72	169.34	500.00	599.00	653.75	484.41
23294.000	726.66	500.00	500.00	599.00	599.00	99.00
23294.000	728.46	500.00	500.00	599.00	599.00	99.00
23294.000	729.07	500.00	500.00	599.00	599.00	99.00
23294.000	733.98	157.63	500.00	599.00	662.73	505.09
23340.000	726.80	370.07	525.00	575.00	639.93	269.86
23340.000	728.51	324.56	525.00	575.00	677.72	353.15
23340.000	729.18	304.72	525.00	575.00	687.64	382.92
23340.000	733.96	260.22	525.00	575.00	739.57	479.35
23570.000	727.74	95.64	260.00	335.00	358.40	262.76
23570.000	729.28	91.80	260.00	335.00	391.98	300.18
23570.000	729.90	90.24	260.00	335.00	407.62	317.39
23570.000	734.21	73.18	260.00	335.00	486.54	413.37
24000.000	728.30	223.84	270.00	345.00	346.69	122.86
24000.000	729.83	193.40	270.00	345.00	355.07	161.67
24000.000	730.47	184.36	270.00	345.00	358.30	173.95
24000.000	734.51	135.94	270.00	345.00	378.06	242.14
25300.000	734.91	260.38	280.00	320.00	383.56	123.18
25300.000	736.43	254.30	280.00	320.00	402.13	147.83
25300.000	737.13	251.49	280.00	320.00	405.64	154.14
25300.000	739.66	241.36	280.00	320.00	434.90	193.54
27880.000	748.99	716.02	759.00	802.00	1140.63	424.60
27880.000	750.03	694.61	759.00	802.00	1187.69	493.08
27880.000	750.48	687.19	759.00	802.00	1205.67	518.47
27880.000	752.62	652.19	759.00	802.00	1272.39	620.20

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
28900.000	754.43	522.63	575.00	625.00	636.09	113.46
28900.000	755.40	484.05	575.00	625.00	638.50	154.44
28900.000	755.79	468.39	575.00	625.00	639.48	171.09
28900.000	757.35	439.74	575.00	625.00	643.38	203.63
31900.000	771.72	230.32	355.00	410.00	427.20	196.88
31900.000	773.20	150.08	355.00	410.00	435.99	285.91
31900.000	773.82	119.02	355.00	410.00	439.10	320.08
31900.000	776.52	82.25	355.00	410.00	453.87	371.62
32150.000	772.89	165.28	355.00	410.00	434.47	269.19
32150.000	774.26	107.34	355.00	410.00	441.33	333.98
32150.000	774.84	101.59	355.00	410.00	444.21	342.62
32150.000	777.38	69.25	355.00	410.00	460.37	391.12
32200.000	772.67	986.74	1000.00	1035.00	1061.57	74.83
32200.000	773.79	906.77	1000.00	1035.00	1111.60	210.83
32200.000	774.42	865.75	1000.00	1035.00	1137.02	271.27
32200.000	777.31	822.78	1000.00	1035.00	1265.34	442.57
32360.000	772.98	986.05	1000.00	1035.00	1061.99	75.94
32360.000	774.33	869.72	1000.00	1035.00	1121.14	251.42
32360.000	774.86	864.41	1000.00	1035.00	1142.37	277.96
32360.000	781.72	746.11	1000.00	1035.00	1394.94	648.83
32410.000	773.45	953.58	1000.00	1035.00	1080.07	126.49
32410.000	775.48	690.41	1000.00	1035.00	1254.22	548.06
32410.000	776.08	678.54	1000.00	1035.00	1302.53	623.99
32410.000	781.80	566.74	1000.00	1035.00	1387.25	820.52
33200.000	778.23	849.41	1000.00	1051.00	1077.09	227.68
33200.000	779.24	833.71	1000.00	1051.00	1090.15	256.44
33200.000	779.47	830.07	1000.00	1051.00	1093.18	263.11
33200.000	782.30	786.72	1000.00	1051.00	1135.89	349.17
33249.000	778.32	848.13	1000.00	1023.00	1074.13	226.00
33249.000	779.37	831.64	1000.00	1023.00	1090.37	258.73
33249.000	779.63	827.70	1000.00	1023.00	1094.26	266.55
33249.000	782.46	777.82	1000.00	1023.00	1131.53	353.71
33310.000	778.36	856.93	1000.00	1023.00	1065.45	208.51
33310.000	781.76	803.74	1000.00	1023.00	1114.88	311.13
33310.000	782.03	799.38	1000.00	1023.00	1118.33	318.96
33310.000	783.46	769.35	1000.00	1023.00	1136.72	367.37
33360.000	778.78	932.15	1000.00	1048.00	1173.66	241.51
33360.000	781.82	901.83	1000.00	1048.00	1274.33	372.50
33360.000	782.09	899.10	1000.00	1048.00	1283.40	384.30
33360.000	783.52	854.76	1000.00	1048.00	1331.00	446.24
34140.000	780.57	733.89	1000.00	1032.00	1042.54	308.64
34140.000	782.72	693.16	1000.00	1032.00	1121.20	428.04
34140.000	783.11	687.00	1000.00	1032.00	1125.71	438.71
34140.000	784.92	657.77	1000.00	1032.00	1129.90	472.14

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
34930.000	782.94	750.14	1000.00	1032.00	1039.95	289.01
34930.000	784.16	726.23	1000.00	1032.00	1043.76	317.53
34930.000	784.58	718.06	1000.00	1032.00	1045.06	327.00
34930.000	786.44	684.76	1000.00	1032.00	1126.03	441.26
35720.000	786.32	746.78	1000.00	1032.00	1040.48	293.71
35720.000	787.23	728.81	1000.00	1032.00	1043.35	314.54
35720.000	787.60	721.39	1000.00	1032.00	1044.53	323.14
35720.000	789.28	690.80	1000.00	1032.00	1125.16	434.37
37160.000	790.93	857.27	1000.00	1039.00	1262.35	405.07
37160.000	791.90	847.10	1000.00	1039.00	1293.55	446.45
37160.000	792.25	844.53	1000.00	1039.00	1302.28	457.75
37160.000	793.87	832.83	1000.00	1039.00	1326.03	493.20
37860.000	793.40	866.66	1000.00	1039.00	1238.74	372.08
37860.000	794.26	855.71	1000.00	1039.00	1266.28	410.57
37860.000	794.59	851.46	1000.00	1039.00	1276.96	425.50
37860.000	796.08	840.00	1000.00	1039.00	1311.47	471.47
38560.000	796.85	863.49	1000.00	1039.00	1246.70	383.21
38560.000	797.65	853.23	1000.00	1039.00	1272.51	419.28
38560.000	797.95	849.65	1000.00	1039.00	1282.22	432.57
38560.000	799.27	839.99	1000.00	1039.00	1311.49	471.50
38760.000	797.66	1002.08	1000.00	1043.00	1046.38	44.31
38760.000	798.39	1001.29	1000.00	1043.00	1047.32	46.02
38760.000	798.62	1001.04	1000.00	1043.00	1047.61	46.57
38760.000	799.31	1000.31	1000.00	1043.00	1048.49	48.18
38770.000	797.75	1001.98	1000.00	1043.00	1046.50	44.52
38770.000	798.58	1001.09	1000.00	1043.00	1047.56	46.46
38770.000	798.88	1000.77	1000.00	1043.00	1047.94	47.18
38770.000	800.53	988.37	1000.00	1043.00	1050.80	62.43
38780.000	797.83	1001.90	1000.00	1043.00	1046.60	44.69
38780.000	798.74	1000.92	1000.00	1043.00	1047.76	46.84
38780.000	799.09	1000.54	1000.00	1043.00	1048.21	47.66
38780.000	800.93	983.39	1000.00	1043.00	1061.26	77.88
39280.000	800.72	1001.37	1000.00	1043.00	1047.23	45.86
39280.000	802.56	992.94	1000.00	1043.00	1049.57	50.63
39280.000	803.27	984.15	1000.00	1043.00	1059.69	75.54
39280.000	805.85	951.90	1000.00	1043.00	1183.54	231.64
39338.000	800.99	1000.10	1000.00	1027.00	1037.85	37.76
39338.000	802.81	989.92	1000.00	1027.00	1043.36	53.45
39338.000	803.49	981.32	1000.00	1027.00	1045.44	64.13
39338.000	805.95	950.65	1000.00	1027.00	1073.69	123.04
39461.000	801.65	1000.14	1000.00	1027.00	1036.56	36.42
39461.000	804.61	981.12	1000.00	1027.00	1045.49	64.37
39461.000	805.32	972.22	1000.00	1027.00	1047.65	75.43
39461.000	806.74	954.44	1000.00	1027.00	1066.11	111.67

SECNO	CWSEL	SSTA	STGHL	STCHR	ENDST	TOPWID
39490.000	801,82	1001,71	1000,00	1045,00	1041,83	40,11
39490.000	804,89	948,63	1000,00	1045,00	1058,92	110,29
39490.000	805,89	924,31	1000,00	1045,00	1066,93	142,63
39490.000	807,83	904,01	1000,00	1045,00	1161,59	257,59
39491.000	801,83	1001,70	1000,00	1045,00	1041,85	40,14
39491.000	804,90	948,49	1000,00	1045,00	1058,97	110,48
39491.000	805,70	924,18	1000,00	1045,00	1066,98	142,79
39491.000	807,84	903,96	1000,00	1045,00	1162,02	258,06
39492.000	801,84	1001,69	1000,00	1045,00	1041,87	40,18
39492.000	804,90	948,33	1000,00	1045,00	1059,02	110,69
39492.000	805,70	924,04	1000,00	1045,00	1067,02	142,98
39492.000	807,85	903,93	1000,00	1045,00	1162,24	258,31
39493.000	801,85	1001,67	1000,00	1045,00	1041,89	40,21
39493.000	804,91	948,16	1000,00	1045,00	1059,08	110,92
39493.000	805,71	923,88	1000,00	1045,00	1067,07	143,19
39493.000	807,85	903,90	1000,00	1045,00	1162,52	258,62
39494.000	801,86	1001,66	1000,00	1045,00	1041,91	40,25
39494.000	804,91	947,98	1000,00	1045,00	1059,13	111,15
39494.000	805,71	923,72	1000,00	1045,00	1067,13	143,41
39494.000	807,86	903,86	1000,00	1045,00	1162,82	258,96
39495.000	801,87	1001,65	1000,00	1045,00	1041,93	40,28
39495.000	804,92	947,81	1000,00	1045,00	1059,19	111,38
39495.000	805,72	923,55	1000,00	1045,00	1067,18	143,63
39495.000	807,86	903,83	1000,00	1045,00	1163,12	259,29
39500.000	801,92	1001,59	1000,00	1045,00	1042,02	40,43
39500.000	804,95	947,09	1000,00	1045,00	1059,43	112,34
39500.000	805,75	922,88	1000,00	1045,00	1067,41	144,53
39500.000	807,89	903,69	1000,00	1045,00	1164,24	260,55
39510.000	802,02	1001,46	1000,00	1045,00	1042,22	40,76
39510.000	805,00	945,43	1000,00	1045,00	1059,97	114,54
39510.000	805,80	921,30	1000,00	1045,00	1067,92	146,62
39510.000	807,95	903,36	1000,00	1045,00	1166,99	263,63
39520.000	802,11	1001,36	1000,00	1045,00	1042,37	41,01
39520.000	805,06	943,92	1000,00	1045,00	1060,47	116,55
39520.000	805,85	919,72	1000,00	1045,00	1068,45	148,73
39520.000	808,01	903,02	1000,00	1045,00	1169,83	266,81
39530.000	802,20	1001,25	1000,00	1045,00	1042,53	41,28
39530.000	805,11	942,18	1000,00	1045,00	1061,05	118,87
39530.000	805,90	918,32	1000,00	1045,00	1068,91	150,59
39530.000	808,06	902,92	1000,00	1045,00	1172,35	269,43
39540.000	802,28	1001,14	1000,00	1045,00	1042,69	41,55
39540.000	805,16	940,73	1000,00	1045,00	1061,52	120,79
39540.000	805,95	916,69	1000,00	1045,00	1069,44	152,70
39540.000	808,12	902,84	1000,00	1045,00	1174,81	271,97

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
39550.000	802.36	1001.04	1000.00	1045.00	1042.85	41.80
39550.000	805.21	939.22	1000.00	1045.00	1062.02	122.80
39550.000	806.00	915.34	1000.00	1045.00	1069.89	154.54
39550.000	808.17	902.76	1000.00	1045.00	1177.18	274.42
39600.000	802.72	1000.60	1000.00	1045.00	1043.53	42.94
39600.000	805.45	931.83	1000.00	1045.00	1064.46	132.62
39600.000	806.23	913.63	1000.00	1045.00	1081.42	167.79
39600.000	808.41	902.39	1000.00	1045.00	1188.35	285.96
42100.000	813.38	951.99	1000.00	1043.00	1058.50	106.51
42100.000	815.03	917.20	1000.00	1043.00	1066.29	149.09
42100.000	815.59	900.20	1000.00	1043.00	1070.10	169.90
42100.000	817.18	882.19	1000.00	1043.00	1080.90	198.70
42140.000	814.05	946.62	1000.00	1043.00	1059.70	113.08
42140.000	815.24	910.80	1000.00	1043.00	1067.72	156.92
42140.000	815.83	897.46	1000.00	1043.00	1071.68	174.21
42140.000	817.59	879.86	1000.00	1043.00	1082.31	202.45
42195.000	814.42	1000.00	1000.00	1160.00	1109.84	109.84
42195.000	815.71	1000.00	1000.00	1160.00	1116.84	116.84
42195.000	816.32	1000.00	1000.00	1160.00	1120.11	120.11
42195.000	817.66	1000.00	1000.00	1160.00	1128.45	128.45
42205.000	814.43	1000.00	1000.00	1160.00	1109.90	109.90
42205.000	815.73	1000.00	1000.00	1160.00	1116.92	116.92
42205.000	816.34	1000.00	1000.00	1160.00	1120.21	120.21
42205.000	817.89	1000.00	1000.00	1160.00	1128.59	128.59
42220.000	814.56	937.61	1000.00	1043.00	1061.72	124.11
42220.000	815.63	899.65	1000.00	1043.00	1070.35	170.70
42220.000	816.24	892.83	1000.00	1043.00	1074.48	181.65
42220.000	817.80	875.30	1000.00	1043.00	1085.06	209.77
42240.000	814.45	934.97	1000.00	1043.00	1062.31	127.34
42240.000	815.78	898.00	1000.00	1043.00	1071.35	173.34
42240.000	816.41	890.90	1000.00	1043.00	1075.64	184.74
42240.000	818.01	872.86	1000.00	1043.00	1086.55	213.67
42241.000	813.29	1000.54	1001.00	1017.00	1018.02	17.48
* 42241.000	814.51	1000.46	1001.00	1017.00	1016.16	17.70
* 42241.000	815.46	1000.57	1001.00	1017.00	1018.52	17.95
* 42241.000	821.70	945.22	1001.00	1017.00	1500.17	331.90
42259.000	814.12	1000.48	1001.00	1017.00	1018.13	17.66
42259.000	816.40	1000.29	1001.00	1017.00	1018.45	18.16
42259.000	816.65	1000.27	1001.00	1017.00	1018.49	18.22
42259.000	822.75	910.60	1001.00	1017.00	1500.28	401.76
42260.000	816.05	946.21	1000.00	1044.00	1140.52	194.31
42260.000	819.36	911.69	1000.00	1044.00	1173.59	261.91
42260.000	820.90	901.41	1000.00	1044.00	1500.09	450.50
42260.000	823.02	895.98	1000.00	1044.00	1500.30	507.67

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
42310.000	816.09	945.83	1000.00	1044.00	1140.89	195.07
42310.000	819.37	911.60	1000.00	1044.00	1173.67	262.07
42310.000	820.90	901.39	1000.00	1044.00	1500.09	450.61
42310.000	823.02	895.98	1000.00	1044.00	1500.30	507.65
42500.000	816.29	951.18	1000.00	1044.00	1124.95	173.78
42500.000	819.46	918.06	1000.00	1044.00	1167.49	249.43
42500.000	820.97	903.97	1000.00	1044.00	1186.19	282.22
42500.000	823.07	896.63	1000.00	1044.00	1237.15	340.52
42600.000	816.42	952.93	1000.00	1044.00	1118.99	166.06
42600.000	819.51	920.58	1000.00	1044.00	1165.08	244.51
42600.000	821.01	904.98	1000.00	1044.00	1180.11	275.13
42600.000	823.11	896.89	1000.00	1044.00	1230.95	334.06
43275.000	817.84	983.77	1000.00	1042.00	1040.24	56.47
43275.000	820.19	958.50	1000.00	1042.00	1041.86	83.35
43275.000	821.49	946.28	1000.00	1042.00	1054.87	108.59
43275.000	823.53	927.05	1000.00	1042.00	1079.03	151.98
* 43327.000	820.69	953.76	1000.00	1009.00	1014.45	60.69
* 43327.000	821.84	942.98	1000.00	1009.00	1035.70	92.72
* 43327.000	822.28	938.82	1000.00	1009.00	1043.89	105.07
* 43327.000	823.50	927.33	1000.00	1009.00	1066.54	139.20
43374.000	826.70	899.91	1000.00	1009.00	1201.90	301.98
43374.000	827.14	795.06	1000.00	1009.00	1206.10	411.04
43374.000	827.35	772.43	1000.00	1009.00	1208.03	435.60
43374.000	827.81	720.81	1000.00	1009.00	1212.42	491.61
43390.000	826.71	824.01	1000.00	1034.00	1204.77	380.76
43390.000	827.15	761.02	1000.00	1034.00	1209.00	447.98
43390.000	827.35	738.40	1000.00	1034.00	1210.92	472.52
43390.000	827.81	696.52	1000.00	1034.00	1215.28	516.76
43450.000	826.72	869.66	1000.00	1034.00	1203.04	333.38
43450.000	827.18	780.02	1000.00	1034.00	1207.38	427.36
43450.000	827.39	756.53	1000.00	1034.00	1209.38	452.85
43450.000	827.88	702.34	1000.00	1034.00	1213.99	511.65
43600.000	826.77	905.42	1000.00	1034.00	1133.31	227.88
43600.000	827.26	884.20	1000.00	1034.00	1202.49	318.29
43600.000	827.50	825.48	1000.00	1034.00	1204.71	379.24
43600.000	828.06	748.65	1000.00	1034.00	1210.05	461.40
44100.000	827.07	930.96	1000.00	1060.00	1055.13	124.17
44100.000	827.81	922.17	1000.00	1060.00	1057.84	135.68
44100.000	828.18	917.76	1000.00	1060.00	1059.21	141.45
44100.000	829.12	906.63	1000.00	1060.00	1082.17	175.54
44150.000	827.02	431.57	499.60	512.40	552.16	120.61
44150.000	827.75	422.86	499.60	512.40	556.34	133.47
44150.000	828.13	418.42	499.60	512.40	558.46	140.03
44150.000	829.10	406.85	499.60	512.40	581.61	174.77

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
44231.000	829.02	403.11	499.60	512.40	591.28	188.17
44231.000	830.29	395.06	499.60	512.40	698.82	303.76
44231.000	830.54	392.15	499.60	512.40	700.73	308.58
44231.000	831.14	384.98	499.60	512.40	702.56	317.58
44245.000	829.72	963.36	1000.00	1020.00	1246.53	283.17
44245.000	830.47	952.88	1000.00	1020.00	1414.17	461.29
44245.000	830.76	948.83	1000.00	1020.00	1422.86	474.03
44245.000	831.49	938.61	1000.00	1020.00	1444.80	506.19
44300.000	829.77	966.73	1000.00	1020.00	1243.51	276.77
44300.000	830.54	955.96	1000.00	1020.00	1407.54	451.58
44300.000	830.84	951.88	1000.00	1020.00	1416.30	464.42
44300.000	831.60	941.29	1000.00	1020.00	1439.05	497.77
44500.000	830.04	977.04	1000.00	1020.00	1234.29	257.25
44500.000	830.89	965.17	1000.00	1020.00	1244.91	279.74
44500.000	831.24	960.26	1000.00	1020.00	1249.28	289.00
44500.000	832.11	948.20	1000.00	1020.00	1424.21	476.01
45100.000	831.82	951.14	1000.00	1038.00	1035.29	84.15
45100.000	832.94	901.17	1000.00	1038.00	1037.49	136.32
45100.000	833.46	887.27	1000.00	1038.00	1090.65	203.38
45100.000	834.51	858.78	1000.00	1038.00	1130.97	272.19
45162.000	832.32	988.81	1001.00	1030.00	1058.04	69.23
45162.000	833.45	982.87	1001.00	1030.00	1086.36	103.49
45162.000	833.92	980.43	1001.00	1030.00	1097.96	117.53
45162.000	834.66	935.21	1001.00	1030.00	1185.31	250.10
45163.000	831.95	990.79	1001.00	1030.00	1049.45	58.67
45163.000	832.39	988.44	1001.00	1030.00	1059.79	71.34
* 45163.000	832.32	988.81	1001.00	1030.00	1058.04	69.23
* 45163.000	835.43	905.13	1001.00	1030.00	1242.60	337.47
45217.000	834.38	960.06	1001.00	1030.00	1137.98	177.91
45217.000	836.20	872.49	1001.00	1030.00	1304.02	431.54
45217.000	837.13	860.83	1001.00	1030.00	1322.67	461.84
45217.000	837.27	859.14	1001.00	1030.00	1325.37	466.23
45218.000	834.80	937.68	1001.00	1030.00	1180.61	242.94
45218.000	836.20	872.52	1001.00	1030.00	1303.98	431.46
45218.000	837.13	860.92	1001.00	1030.00	1322.53	461.62
45218.000	837.26	859.27	1001.00	1030.00	1325.17	465.90
45250.000	834.82	999.17	1000.00	1039.00	1042.23	43.06
45250.000	836.16	923.43	1000.00	1039.00	1303.23	379.80
45250.000	837.10	870.71	1000.00	1039.00	1321.97	451.26
45250.000	837.21	864.50	1000.00	1039.00	1324.18	459.67
45670.000	836.02	1000.96	1000.00	1039.00	1038.01	37.06
45670.000	837.51	1000.15	1000.00	1039.00	1038.84	38.69
45670.000	838.14	980.72	1000.00	1039.00	1113.55	132.81
45670.000	838.93	936.04	1000.00	1039.00	1286.30	350.26

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
340.000	837.92	958.37	1000.00	1030.00	1035.57	77.20
340.000	839.57	925.93	1000.00	1030.00	1063.30	137.37
340.000	840.34	911.00	1000.00	1030.00	1067.02	156.02
340.000	841.55	893.81	1000.00	1030.00	1072.96	179.15
395.000	838.46	947.77	1000.00	1030.00	1049.09	101.32
395.000	839.91	919.49	1000.00	1030.00	1064.91	145.42
395.000	840.63	905.42	1000.00	1030.00	1068.41	162.98
395.000	841.78	891.72	1000.00	1030.00	1074.04	182.32
395.000	838.73	1015.61	1000.00	1120.00	1087.53	71.91
395.000	840.11	1014.35	1000.00	1120.00	1101.89	87.54
395.000	840.80	1012.97	1000.00	1120.00	1103.19	90.23
395.000	841.88	1009.28	1000.00	1120.00	1105.22	95.94
405.000	838.75	1015.59	1000.00	1120.00	1087.74	72.15
405.000	840.14	1014.33	1000.00	1120.00	1101.95	87.62
405.000	840.83	1012.86	1000.00	1120.00	1103.25	90.39
405.000	841.92	1009.15	1000.00	1120.00	1105.29	96.13
410.000	838.66	943.86	1000.00	1030.00	1054.08	110.22
410.000	840.07	916.28	1000.00	1030.00	1065.71	149.43
410.000	840.78	902.43	1000.00	1030.00	1069.15	166.72
410.000	841.89	890.66	1000.00	1030.00	1074.56	183.92
460.000	838.89	947.25	1000.00	1030.00	1049.75	102.50
460.000	840.24	920.81	1000.00	1030.00	1064.58	143.77
460.000	840.93	907.39	1000.00	1030.00	1067.92	160.52
460.000	842.02	893.22	1000.00	1030.00	1073.26	180.03
800.000	841.06	957.58	1000.00	1030.00	1036.58	79.00
800.000	842.07	937.90	1000.00	1030.00	1060.33	122.43
800.000	842.63	926.79	1000.00	1030.00	1063.09	136.30
800.000	843.50	909.74	1000.00	1030.00	1067.33	157.59
1050.000	844.55	1000.04	1000.00	1025.00	1024.13	24.09
1050.000	845.67	971.73	1000.00	1025.00	1024.91	53.18
1050.000	846.19	958.28	1000.00	1025.00	1032.81	74.53
1050.000	846.94	938.36	1000.00	1025.00	1048.15	109.79
1500.000	848.24	975.33	1000.00	1025.00	1024.82	49.48
1500.000	849.72	936.16	1000.00	1025.00	1049.85	113.68
1500.000	850.48	916.11	1000.00	1025.00	1065.29	149.18
1500.000	851.55	884.32	1000.00	1025.00	1086.92	202.60
1534.000	848.30	1000.00	1000.00	1013.00	1013.00	13.00
1534.000	850.18	922.08	1000.00	1013.00	1077.88	155.79
1534.000	851.09	896.88	1000.00	1013.00	1097.76	200.88
1534.000	852.20	861.10	1000.00	1013.00	1116.77	255.67
1587.000	849.23	953.10	1000.00	1013.00	1052.92	99.32
1587.000	850.87	908.98	1000.00	1013.00	1088.42	179.44
1587.000	851.41	893.26	1000.00	1013.00	1100.15	206.89
1587.000	852.37	862.18	1000.00	1013.00	1116.21	254.03

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
1600.000	849.58	923.35	1000.00	1024.00	1052.63	129.27
1600.000	850.89	903.19	1000.00	1024.00	1076.34	173.15
1600.000	851.41	889.30	1000.00	1024.00	1085.71	196.40
1600.000	852.38	856.07	1000.00	1024.00	1102.85	246.78
1855.000	850.00	905.05	1000.00	1028.00	1103.14	198.10
1855.000	851.34	888.15	1000.00	1028.00	1111.49	223.34
1855.000	851.90	882.25	1000.00	1028.00	1115.02	232.77
1855.000	852.88	872.12	1000.00	1028.00	1121.10	248.99
1905.000	850.12	901.68	1000.00	1017.00	1103.89	202.21
1905.000	851.44	887.04	1000.00	1017.00	1112.15	225.12
1905.000	852.02	881.07	1000.00	1017.00	1115.73	234.66
1905.000	852.99	870.90	1000.00	1017.00	1121.84	250.94
2105.000	851.48	1000.00	1000.00	1017.00	1017.00	17.00
2105.000	853.47	870.07	1000.00	1017.00	1122.33	252.26
2105.000	853.93	865.24	1000.00	1017.00	1125.23	260.00
2105.000	854.60	858.38	1000.00	1017.00	1129.35	270.96
2040.000	851.83	883.04	1000.00	1028.00	1114.55	231.52
2040.000	853.47	865.98	1000.00	1028.00	1124.79	258.81
2040.000	853.93	861.16	1000.00	1028.00	1127.68	266.52
2040.000	854.60	854.21	1000.00	1028.00	1131.85	277.64
2800.000	852.28	973.36	1000.00	1029.00	1028.42	55.06
2800.000	853.84	926.13	1000.00	1029.00	1127.57	201.45
2800.000	854.41	908.73	1000.00	1029.00	1201.77	293.04
2800.000	855.25	884.74	1000.00	1029.00	1208.74	324.00
2853.000	852.44	1000.00	1000.00	1013.00	1013.00	12.99
2853.000	853.92	938.85	1000.00	1013.00	1146.50	207.64
2853.000	854.81	897.06	1000.00	1013.00	1186.90	289.84
2853.000	855.60	876.29	1000.00	1013.00	1207.48	331.19
2907.000	853.88	940.48	1000.00	1013.00	1145.01	204.53
2907.000	854.26	921.87	1000.00	1013.00	1161.94	240.06
2907.000	854.91	894.49	1000.00	1013.00	1191.33	296.84
2907.000	855.68	874.15	1000.00	1013.00	1208.69	334.54
2920.000	853.89	947.43	1000.00	1028.00	1027.94	80.51
2920.000	854.28	925.35	1000.00	1028.00	1034.00	108.65
2920.000	854.92	894.16	1000.00	1028.00	1048.30	154.14
2920.000	855.69	872.67	1000.00	1028.00	1065.55	192.88

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SUMMARY PRINTOUT TABLE 150

SEGNO	XLCH	ELTRD	ELLC	ELMIN	0	CWSEL	CRWS	EG	10K*S	VCH	ARE
100.000	0.	0.	0.	653.70	2870.00	675.46	0.	676.27	75.11	7.35	500
100.000	0.	0.	0.	663.70	4700.00	677.00	0.	677.89	74.45	8.37	969
100.000	0.	0.	0.	663.70	6110.00	677.86	0.	678.80	75.07	8.96	1254
100.000	0.	0.	0.	663.70	11020.00	680.19	0.	681.25	75.30	10.41	2080
820.000	720.00	0.	0.	669.10	2870.00	678.99	0.	679.38	26.84	5.00	596
820.000	720.00	0.	0.	669.10	4700.00	680.84	0.	681.48	34.84	6.53	825
820.000	720.00	0.	0.	669.10	6110.00	681.87	0.	682.70	40.63	7.53	984
820.000	720.00	0.	0.	669.10	11020.00	684.59	0.	686.02	55.37	10.18	1447
869.000	49.00	0.	0.	670.00	2870.00	678.98	0.	679.71	63.67	6.88	417
869.000	49.00	0.	0.	670.00	4700.00	680.72	0.	681.97	81.34	8.97	524
869.000	49.00	0.	0.	670.00	6110.00	681.63	0.	683.36	99.54	10.55	579
869.000	49.00	0.	0.	670.00	11020.00	684.57	0.	686.60	91.46	12.34	1268
891.000	22.00	684.30	682.00	670.00	2870.00	679.00	0.	679.73	62.99	6.85	418
891.000	22.00	684.30	682.00	670.00	4700.00	680.78	0.	682.01	79.83	8.92	527
891.000	22.00	684.30	682.00	670.00	6110.00	681.72	0.	683.41	96.63	10.45	584
891.000	22.00	684.30	682.00	670.00	11020.00	686.07	0.	687.48	56.85	10.49	1547
950.000	59.00	0.	0.	669.10	2870.00	679.68	0.	680.00	20.22	4.58	672
950.000	59.00	0.	0.	669.10	4700.00	681.90	0.	682.39	23.70	5.76	991
950.000	59.00	0.	0.	669.10	6110.00	683.30	0.	683.89	25.10	6.42	1223
950.000	59.00	0.	0.	669.10	11020.00	686.94	0.	687.82	28.87	8.17	1919
3560.000	2610.00	0.	0.	673.20	2870.00	684.89	0.	685.18	19.42	4.93	936
3560.000	2610.00	0.	0.	673.20	4700.00	687.59	0.	687.93	18.87	5.62	1493
3560.000	2610.00	0.	0.	673.20	6110.00	689.19	0.	689.55	18.60	6.01	1908
3560.000	2610.00	0.	0.	673.20	11020.00	693.24	0.	693.61	17.02	6.72	3513
6520.000	2960.00	0.	0.	678.00	2870.00	689.06	0.	689.10	9.40	2.60	2365
6520.000	2960.00	0.	0.	678.00	4700.00	691.27	0.	691.31	7.45	2.65	3542
6520.000	2960.00	0.	0.	678.00	6110.00	692.69	0.	692.74	6.79	2.76	4351
6520.000	2960.00	0.	0.	678.00	11020.00	696.45	0.	696.51	6.14	3.15	6716
6572.000	52.00	0.	0.	678.10	2870.00	689.11	0.	689.15	9.72	2.63	2339
6572.000	52.00	0.	0.	678.10	4700.00	691.31	0.	691.35	7.69	2.68	3506
6572.000	52.00	0.	0.	678.10	6110.00	692.73	0.	692.77	6.99	2.79	4308
6572.000	52.00	0.	0.	678.10	11020.00	696.48	0.	696.54	6.28	3.18	6666
6573.000	1.00	684.10	687.70	678.10	2870.00	689.13	0.	689.16	12.36	1.90	2301
6573.000	1.00	684.10	687.70	678.10	4700.00	691.33	0.	691.35	10.07	1.48	3419
6573.000	1.00	684.10	687.70	678.10	6110.00	692.74	0.	692.77	8.84	1.55	4222
6573.000	1.00	684.10	687.70	678.10	11020.00	696.50	0.	696.54	7.51	1.79	6580
6587.000	14.00	684.10	687.70	678.10	2870.00	689.15	0.	689.17	12.17	1.89	2313
6587.000	14.00	684.10	687.70	678.10	4700.00	691.34	0.	691.37	9.98	1.47	3430
6587.000	14.00	684.10	687.70	678.10	6110.00	692.75	0.	692.79	8.78	1.55	4232
6587.000	14.00	684.10	687.70	678.10	11020.00	696.51	0.	696.55	7.48	1.79	6591
6588.000	1.00	0.	0.	678.10	2870.00	687.75	0.	690.11	246.15	12.35	232
6588.000	1.00	0.	0.	678.10	4700.00	691.33	0.	691.37	7.58	2.67	3521
6588.000	1.00	0.	0.	678.10	6110.00	692.75	0.	692.79	6.91	2.77	4324
6588.000	1.00	0.	0.	678.10	11020.00	696.50	0.	696.56	6.23	3.17	6682

SFCNO	XLCH	ELTRD	ELLC	ELMIN	0	CHSEL	CRWS	EG	10K*5	VCH	ARE
6640.000	52.00	0.	0.	678.10	2870.00	690.63	0.	690.65	4.02	1.85	3137
6640.000	52.00	0.	0.	678.10	4700.00	691.37	0.	691.41	7.44	2.65	3543
6640.000	52.00	0.	0.	678.10	6110.00	692.79	0.	692.83	6.82	2.76	4344
6640.000	52.00	0.	0.	678.10	11020.00	696.53	0.	696.59	6.18	3.16	6702
9360.000	2720.00	0.	0.	680.20	2770.00	692.88	0.	693.54	52.37	6.52	424
9360.000	2720.00	0.	0.	680.20	4180.00	694.92	0.	695.68	48.77	7.26	807
9360.000	2720.00	0.	0.	680.20	5230.00	695.97	0.	696.72	45.83	7.53	1125
9360.000	2720.00	0.	0.	680.20	9530.00	699.33	0.	699.98	35.44	7.93	2330
12340.000	2980.00	0.	0.	684.90	2770.00	699.86	0.	700.06	11.70	3.94	1072
12340.000	2980.00	0.	0.	684.90	4180.00	702.01	0.	702.25	12.22	4.52	1508
12340.000	2980.00	0.	0.	684.90	5230.00	703.18	0.	703.46	13.13	4.95	1766
12340.000	2980.00	0.	0.	684.90	9530.00	706.62	0.	707.04	16.74	6.42	2601
12380.000	40.00	0.	0.	684.90	2770.00	699.91	0.	700.11	11.48	3.92	1082
12380.000	40.00	0.	0.	684.90	4180.00	702.07	0.	702.30	12.00	4.49	1519
12380.000	40.00	0.	0.	684.90	5230.00	703.24	0.	703.51	12.92	4.92	1770
12380.000	40.00	0.	0.	684.90	9530.00	706.69	0.	707.11	16.43	6.38	2620
12390.000	50.00	0.	0.	686.90	2770.00	699.93	0.	700.21	16.88	4.27	649
12390.000	50.00	0.	0.	686.90	4180.00	702.03	0.	702.45	19.60	5.23	798
12390.000	50.00	0.	0.	686.90	5230.00	703.16	0.	703.71	22.51	5.95	878
12390.000	50.00	0.	0.	686.90	9530.00	706.77	0.	707.19	15.66	6.02	2506
12411.000	21.00	706.30	704.80	686.90	2770.00	699.99	0.	700.27	16.52	4.24	653
12411.000	21.00	706.30	704.80	686.90	4180.00	702.12	0.	702.54	19.08	5.19	805
12411.000	21.00	706.30	704.80	686.90	5230.00	703.28	0.	703.82	21.78	5.89	887
12411.000	21.00	706.30	704.80	686.90	9530.00	708.29	0.	708.60	10.67	5.28	2912
12460.000	49.00	0.	0.	685.10	2770.00	700.16	0.	700.35	11.27	3.89	1091
12460.000	49.00	0.	0.	685.10	4180.00	702.42	0.	702.65	11.39	4.41	1553
12460.000	49.00	0.	0.	685.10	5230.00	703.70	0.	703.96	11.94	4.79	1837
12460.000	49.00	0.	0.	685.10	9530.00	708.35	0.	708.66	11.48	5.61	3015
15930.000	3470.00	0.	0.	694.70	2430.00	705.71	0.	706.01	27.05	4.81	845
15930.000	3470.00	0.	0.	694.70	3730.00	707.61	0.	707.87	21.53	4.93	1438
15930.000	3470.00	0.	0.	694.70	4160.00	708.54	0.	708.75	16.77	4.61	1761
15930.000	3470.00	0.	0.	694.70	8400.00	712.67	0.	712.87	12.85	4.98	3469
15983.000	53.00	0.	0.	695.50	2430.00	705.94	0.	706.19	38.09	4.03	603
15983.000	53.00	0.	0.	695.50	3730.00	707.73	0.	708.01	30.45	4.28	870
15983.000	53.00	0.	0.	695.50	4160.00	708.61	0.	708.87	23.51	4.14	1004
15983.000	53.00	0.	0.	695.50	8400.00	712.62	0.	713.04	19.84	5.20	1614
16018.000	35.00	717.40	715.70	695.50	2430.00	705.96	0.	706.21	38.22	4.01	606
16018.000	35.00	717.40	715.70	695.50	3730.00	707.75	0.	708.03	30.05	4.27	874
16018.000	35.00	717.40	715.70	695.50	4160.00	708.63	0.	708.89	23.32	4.13	1007
16018.000	35.00	717.40	715.70	695.50	8400.00	712.65	0.	713.07	19.68	5.19	1618
16080.000	62.00	0.	0.	695.40	2430.00	706.04	0.	706.51	31.37	5.53	481
16080.000	62.00	0.	0.	695.40	3730.00	707.70	0.	708.43	40.11	6.99	639
16080.000	62.00	0.	0.	695.40	4160.00	708.52	0.	709.26	37.67	7.11	733
16080.000	62.00	0.	0.	695.40	8400.00	712.36	0.	713.56	46.76	9.58	1297

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
17320.000	1240.00	0.	0.	699.20	2430.00	710.37	0.	710.83	38.95	5.89	592
17320.000	1240.00	0.	0.	699.20	3730.00	712.57	0.	713.06	34.29	6.41	911
17320.000	1240.00	0.	0.	699.20	4160.00	713.19	0.	713.70	33.39	6.57	1009
17320.000	1240.00	0.	0.	699.20	8400.00	717.73	0.	718.38	31.40	7.93	1824
18560.000	1240.00	0.	0.	703.10	2430.00	714.75	0.	715.13	30.86	5.43	658
18560.000	1240.00	0.	0.	703.10	3730.00	716.68	0.	717.14	31.50	6.23	944
18560.000	1240.00	0.	0.	703.10	4160.00	717.24	0.	717.73	31.51	6.43	1033
18560.000	1240.00	0.	0.	703.10	8400.00	721.63	0.	722.27	31.43	7.94	1824
19800.000	1240.00	0.	0.	707.00	2430.00	718.61	0.	719.00	31.49	5.47	652
19800.000	1240.00	0.	0.	707.00	3730.00	720.58	0.	721.05	31.44	6.22	944
19800.000	1240.00	0.	0.	707.00	4160.00	721.15	0.	721.63	31.45	6.43	1034
19800.000	1240.00	0.	0.	707.00	8400.00	725.53	0.	726.17	31.44	7.94	1824
23220.000	3420.00	0.	0.	715.80	2290.00	726.77	0.	726.94	17.39	4.05	1098
23220.000	3420.00	0.	0.	715.80	3520.00	728.41	0.	728.59	15.84	4.35	1650
23220.000	3420.00	0.	0.	715.80	4180.00	729.04	0.	729.22	16.31	4.59	1875
23220.000	3420.00	0.	0.	715.80	7600.00	732.60	0.	732.78	12.28	4.83	3281
23266.000	46.00	0.	0.	712.20	2290.00	726.84	0.	727.03	18.67	3.55	645
23266.000	46.00	0.	0.	712.20	3520.00	728.42	0.	728.72	21.43	4.39	802
23266.000	46.00	0.	0.	712.20	4180.00	729.02	0.	729.39	23.88	4.85	861
23266.000	46.00	0.	0.	712.20	7600.00	732.72	0.	732.83	7.26	3.40	3872
23294.000	28.00	733.30	730.60	712.20	2290.00	726.86	0.	727.05	18.44	3.53	647
23294.000	28.00	733.30	730.60	712.20	3520.00	728.46	0.	728.76	21.10	4.37	806
23294.000	28.00	733.30	730.60	712.20	4180.00	729.07	0.	729.43	23.45	4.83	866
23294.000	28.00	733.30	730.60	712.20	7600.00	733.98	0.	734.06	4.82	2.96	4498
23340.000	46.00	0.	0.	717.80	2290.00	726.80	0.	727.32	54.18	6.14	561
23340.000	46.00	0.	0.	717.80	3520.00	728.51	0.	728.93	38.75	6.05	1098
23340.000	46.00	0.	0.	717.80	4180.00	729.18	0.	729.58	35.99	6.13	1341
23340.000	46.00	0.	0.	717.80	7600.00	733.96	0.	734.12	11.94	4.68	3451
23570.000	230.00	0.	0.	718.50	2290.00	727.74	0.	727.83	9.07	2.80	1297
23570.000	230.00	0.	0.	718.50	3520.00	729.28	0.	729.40	9.94	3.33	1726
23570.000	230.00	0.	0.	718.50	4180.00	729.90	0.	730.04	10.64	3.60	1919
23570.000	230.00	0.	0.	718.50	7600.00	734.21	0.	734.34	7.40	3.84	3521
24000.000	430.00	0.	0.	721.00	2290.00	728.30	0.	728.70	46.02	5.21	499
24000.000	430.00	0.	0.	721.00	3520.00	729.83	0.	730.35	44.75	6.04	715
24000.000	430.00	0.	0.	721.00	4180.00	730.47	0.	731.05	45.37	6.44	823
24000.000	430.00	0.	0.	721.00	7600.00	734.51	0.	735.07	28.36	6.74	1662
25300.000	1300.00	0.	0.	726.80	2290.00	734.91	0.	735.51	58.52	6.79	485
25300.000	1300.00	0.	0.	726.80	3520.00	736.43	0.	737.18	60.77	7.90	694
25300.000	1300.00	0.	0.	726.80	4180.00	737.13	0.	737.95	61.10	8.36	800
25300.000	1300.00	0.	0.	726.80	7600.00	739.66	0.	740.86	70.95	10.60	1233
27880.000	2580.00	0.	0.	741.40	2200.00	748.99	0.	749.37	49.02	5.74	792
27880.000	2580.00	0.	0.	741.40	3260.00	750.03	0.	750.36	42.45	5.90	1267
27880.000	2580.00	0.	0.	741.40	3810.00	750.48	0.	750.79	40.01	5.96	1496
27880.000	2580.00	0.	0.	741.40	6960.00	752.62	0.	752.88	31.08	6.16	2712

SECNO	XLCH	ELTRD	ELLC	ELMIN	R	CHSEL	CRWS	EG	10K+S	VCH	ARE
28900.000	1020.00	0.	0.	747.00	2200.00	754.43	0.	755.04	61.44	6.51	417
28900.000	1020.00	0.	0.	747.00	3260.00	755.40	0.	756.29	77.09	8.03	546
28900.000	1020.00	0.	0.	747.00	3810.00	755.79	0.	756.82	84.98	8.73	610
28900.000	1020.00	0.	0.	747.00	6960.00	757.35	0.	759.17	126.50	12.08	906
31900.000	3000.00	0.	0.	763.20	2200.00	771.72	0.	772.25	53.63	6.01	471
31900.000	3000.00	0.	0.	763.20	3260.00	773.20	0.	773.72	45.04	6.33	835
31900.000	3000.00	0.	0.	763.20	3810.00	773.82	0.	774.34	42.13	6.44	1021
31900.000	3000.00	0.	0.	763.20	6960.00	776.52	0.	776.99	33.59	6.92	1958
32150.000	250.00	0.	0.	763.20	2120.00	772.89	0.	773.16	23.08	4.41	748
32150.000	250.00	0.	0.	763.20	3180.00	774.26	0.	774.55	22.55	4.88	1168
32150.000	250.00	0.	0.	763.20	3630.00	774.84	0.	775.11	21.21	4.93	1362
32150.000	250.00	0.	0.	763.20	6030.00	777.38	0.	777.64	17.19	5.20	2289
32200.000	50.00	0.	0.	764.90	2120.00	772.67	0.	773.66	106.77	7.99	273
32200.000	50.00	0.	0.	764.90	3180.00	773.79	771.45	775.24	137.17	9.93	433
32200.000	50.00	0.	0.	764.90	3630.00	774.42	772.01	775.74	121.69	9.81	593
32200.000	50.00	0.	0.	764.90	6030.00	777.31	0.	777.93	58.31	8.13	1599
32360.000	160.00	785.50	779.20	765.20	2120.00	772.98	0.	773.97	106.32	7.98	274
32360.000	160.00	785.50	779.20	765.20	3180.00	774.33	0.	775.61	119.21	9.43	489
32360.000	160.00	785.50	779.20	765.20	3630.00	774.86	0.	776.08	111.92	9.50	629
32360.000	160.00	785.50	779.20	765.20	6030.00	781.72	0.	781.80	7.80	3.61	3874
32410.000	50.00	0.	0.	765.80	2120.00	773.45	772.23	774.63	128.79	9.00	314
32410.000	50.00	0.	0.	765.80	3180.00	775.48	0.	776.16	66.48	7.79	938
32410.000	50.00	0.	0.	765.80	3630.00	776.08	0.	776.58	51.49	7.18	1295
32410.000	50.00	0.	0.	765.80	6030.00	781.80	0.	781.84	4.33	2.89	5052
33200.000	790.00	0.	0.	769.50	2120.00	778.23	0.	778.46	23.41	4.35	812
33200.000	790.00	0.	0.	769.50	3180.00	779.24	0.	779.55	28.85	5.25	1055
33200.000	790.00	0.	0.	769.50	3630.00	779.47	0.	779.83	33.02	5.74	1116
33200.000	790.00	0.	0.	769.50	6030.00	782.30	0.	782.62	23.40	5.86	1979
33249.000	49.00	0.	0.	768.70	2120.00	778.32	0.	778.67	48.62	5.93	717
33249.000	49.00	0.	0.	768.70	3180.00	779.37	0.	779.78	55.88	6.83	973
33249.000	49.00	0.	0.	768.70	3630.00	779.63	0.	780.09	62.69	7.35	1039
33249.000	49.00	0.	0.	768.70	6030.00	782.46	0.	782.77	38.49	6.74	1914
33310.000	61.00	780.50	779.30	769.30	2120.00	778.36	0.	778.87	71.89	6.92	595
33310.000	61.00	780.50	779.30	769.30	3180.00	781.76	0.	781.92	20.51	4.00	1483
33310.000	61.00	780.50	779.30	769.30	3630.00	782.03	0.	782.21	23.28	4.97	1568
33310.000	61.00	780.50	779.30	769.30	6030.00	783.46	0.	783.72	31.92	6.26	2060
33360.000	30.00	0.	0.	768.90	2120.00	778.78	0.	779.02	20.24	4.35	814
33360.000	30.00	0.	0.	768.90	3180.00	781.82	0.	781.96	9.85	3.75	1745
33360.000	30.00	0.	0.	768.90	3630.00	782.09	0.	782.26	11.36	4.09	1848
33360.000	30.00	0.	0.	768.90	6030.00	783.52	0.	783.80	17.18	5.44	2444
34140.000	780.00	0.	0.	772.10	1820.00	780.57	0.	780.70	22.29	3.93	1006
34140.000	780.00	0.	0.	772.10	2730.00	782.72	0.	782.80	11.72	3.42	1764
34140.000	780.00	0.	0.	772.10	3130.00	783.11	0.	783.19	12.29	3.61	1930
34140.000	780.00	0.	0.	772.10	5300.00	784.92	0.	785.03	13.75	4.29	2755

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
34930.000	790.00	0.	0.	775.30	1820.00	782.94	0.	783.18	45.75	5.17	758
34930.000	790.00	0.	0.	775.30	2730.00	784.16	0.	784.38	37.15	5.27	1128
34930.000	790.00	0.	0.	775.30	3130.00	784.58	0.	784.80	36.26	5.40	1262
34930.000	790.00	0.	0.	775.30	5300.00	786.44	0.	786.68	32.56	5.93	1991
35720.000	790.00	0.	0.	778.50	1820.00	786.32	0.	786.52	39.01	4.86	808
35720.000	790.00	0.	0.	778.50	2730.00	787.23	0.	787.47	41.00	5.47	1087
35720.000	790.00	0.	0.	778.50	3130.00	787.60	0.	787.84	40.83	5.65	1207
35720.000	790.00	0.	0.	778.50	5300.00	789.28	0.	789.55	40.47	6.43	1827
37160.000	1440.00	0.	0.	782.50	1820.00	790.93	0.	791.07	25.97	4.01	1022
37160.000	1440.00	0.	0.	782.50	2730.00	791.90	0.	792.04	25.15	4.35	1435
37160.000	1440.00	0.	0.	782.50	3130.00	792.25	0.	792.40	25.04	4.48	1596
37160.000	1440.00	0.	0.	782.50	5300.00	793.87	0.	794.03	24.43	5.04	2363
37860.000	700.00	0.	0.	785.70	1820.00	793.40	0.	793.69	55.26	5.37	738
37860.000	700.00	0.	0.	785.70	2730.00	794.26	0.	794.55	52.10	5.75	1072
37860.000	700.00	0.	0.	785.70	3130.00	794.59	0.	794.88	50.86	5.88	1211
37860.000	700.00	0.	0.	785.70	5300.00	796.08	0.	796.36	45.65	6.38	1886
38560.000	700.00	0.	0.	788.90	1820.00	796.85	0.	797.07	42.26	4.84	831
38560.000	700.00	0.	0.	788.90	2730.00	797.65	0.	797.89	43.69	5.37	1152
38560.000	700.00	0.	0.	788.90	3130.00	797.95	0.	798.20	44.20	5.57	1281
38560.000	700.00	0.	0.	788.90	5300.00	799.27	0.	799.56	45.61	6.38	1887
38760.000	200.00	0.	0.	790.30	1470.00	797.66	0.	798.27	69.38	6.26	238
38760.000	200.00	0.	0.	790.30	2270.00	798.39	0.	799.52	113.44	8.55	271
38760.000	200.00	0.	0.	790.30	2630.00	798.62	0.	800.03	136.14	9.54	282
38760.000	200.00	0.	0.	790.30	4260.00	799.31	0.	802.31	261.54	13.94	314
38770.000	10.00	0.	0.	790.30	1470.00	797.75	0.	798.34	66.07	6.16	242
38770.000	10.00	0.	0.	790.30	2270.00	798.58	0.	799.64	103.65	8.30	280
38770.000	10.00	0.	0.	790.30	2630.00	798.88	0.	800.18	120.68	9.17	294
38770.000	10.00	0.	0.	790.30	4260.00	800.53	0.	802.67	154.09	11.83	380
38780.000	10.00	0.	0.	790.30	1470.00	797.83	0.	798.41	63.50	6.08	245
38780.000	10.00	0.	0.	790.30	2270.00	798.74	0.	799.75	96.01	8.09	287
38780.000	10.00	0.	0.	790.30	2630.00	799.09	0.	800.31	109.85	8.89	304
38780.000	10.00	0.	0.	790.30	4260.00	800.93	0.	802.86	130.75	11.24	408
39280.000	500.00	0.	0.	792.70	1470.00	800.72	0.	801.21	49.24	5.60	268
39280.000	500.00	0.	0.	792.70	2270.00	802.56	0.	803.24	51.09	6.61	358
39280.000	500.00	0.	0.	792.70	2630.00	803.27	0.	804.02	51.08	7.00	403
39280.000	500.00	0.	0.	792.70	4260.00	805.85	0.	806.76	47.47	8.03	777
39338.000	58.00	0.	0.	791.60	1470.00	800.99	0.	801.52	50.90	5.89	264
39338.000	58.00	0.	0.	791.60	2270.00	802.81	0.	803.63	65.44	7.42	342
39338.000	58.00	0.	0.	791.60	2630.00	803.49	0.	804.44	69.89	7.99	383
39338.000	58.00	0.	0.	791.60	4260.00	805.95	0.	807.29	82.70	9.87	597
39461.000	123.00	804.10	800.70	792.70	1470.00	801.65	0.	802.24	59.35	6.20	248
39461.000	123.00	804.10	800.70	792.70	2270.00	804.61	0.	805.31	51.80	6.88	384
39461.000	123.00	804.10	800.70	792.70	2630.00	805.32	0.	806.11	55.14	7.39	434
39461.000	123.00	804.10	800.70	792.70	4260.00	806.74	0.	808.20	91.35	10.23	561

SFCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
39490.000	29.00	0.	0.	793.30	1470.00	801.82	0.	802.47	78.80	6.46	227
39490.000	29.00	0.	0.	793.30	2270.00	804.89	0.	805.47	45.28	6.16	415
39490.000	29.00	0.	0.	793.30	2630.00	805.69	0.	806.29	42.15	6.33	516
39490.000	29.00	0.	0.	793.30	4260.00	807.83	0.	808.53	41.34	7.24	940
39491.000	1.00	0.	0.	793.30	1470.00	801.83	0.	802.47	78.44	6.45	227
39491.000	1.00	0.	0.	793.30	2270.00	804.90	0.	805.48	45.18	6.16	415
39491.000	1.00	0.	0.	793.30	2630.00	805.70	0.	806.29	42.07	6.33	517
39491.000	1.00	0.	0.	793.30	4260.00	807.84	0.	808.53	41.18	7.23	942
39492.000	1.00	0.	0.	793.30	1470.00	801.84	0.	802.48	78.01	6.44	228
39492.000	1.00	0.	0.	793.30	2270.00	804.90	0.	805.48	45.07	6.15	416
39492.000	1.00	0.	0.	793.30	2630.00	805.70	0.	806.30	41.98	6.32	517
39492.000	1.00	0.	0.	793.30	4260.00	807.85	0.	808.53	41.09	7.23	943
39493.000	1.00	0.	0.	793.30	1470.00	801.85	0.	802.49	77.61	6.43	228
39493.000	1.00	0.	0.	793.30	2270.00	804.91	0.	805.49	44.96	6.15	417
39493.000	1.00	0.	0.	793.30	2630.00	805.71	0.	806.30	41.88	6.32	518
39493.000	1.00	0.	0.	793.30	4260.00	807.85	0.	808.54	40.99	7.22	944
39494.000	1.00	0.	0.	793.30	1470.00	801.86	0.	802.50	77.21	6.41	229
39494.000	1.00	0.	0.	793.30	2270.00	804.91	0.	805.49	44.84	6.14	417
39494.000	1.00	0.	0.	793.30	2630.00	805.71	0.	806.31	41.78	6.31	519
39494.000	1.00	0.	0.	793.30	4260.00	807.86	0.	808.54	40.88	7.22	946
39495.000	1.00	0.	0.	793.30	1470.00	801.87	0.	802.51	76.82	6.40	229
39495.000	1.00	0.	0.	793.30	2270.00	804.92	0.	805.50	44.72	6.14	418
39495.000	1.00	0.	0.	793.30	2630.00	805.72	0.	806.31	41.68	6.31	520
39495.000	1.00	0.	0.	793.30	4260.00	807.86	0.	808.55	40.77	7.21	948
39500.000	5.00	0.	0.	793.30	1470.00	801.92	0.	802.55	75.15	6.35	231
39500.000	5.00	0.	0.	793.30	2270.00	804.95	0.	805.52	44.23	6.12	420
39500.000	5.00	0.	0.	793.30	2630.00	805.75	0.	806.33	41.26	6.29	523
39500.000	5.00	0.	0.	793.30	4260.00	807.89	0.	808.57	40.36	7.18	953
39510.000	10.00	0.	0.	793.30	1470.00	802.02	0.	802.62	71.44	6.23	235
39510.000	10.00	0.	0.	793.30	2270.00	805.00	0.	805.56	43.13	6.07	427
39510.000	10.00	0.	0.	793.30	2630.00	805.80	0.	806.38	40.31	6.24	530
39510.000	10.00	0.	0.	793.30	4260.00	807.95	0.	808.61	39.37	7.12	968
39520.000	10.00	0.	0.	793.30	1470.00	802.11	0.	802.70	68.81	6.15	239
39520.000	10.00	0.	0.	793.30	2270.00	805.06	0.	805.61	42.15	6.02	432
39520.000	10.00	0.	0.	793.30	2630.00	805.85	0.	806.42	39.37	6.19	536
39520.000	10.00	0.	0.	793.30	4260.00	808.01	0.	808.65	38.38	7.05	983
39530.000	10.00	0.	0.	793.30	1470.00	802.20	0.	802.77	66.08	6.05	242
39530.000	10.00	0.	0.	793.30	2270.00	805.11	0.	805.65	41.05	5.97	439
39530.000	10.00	0.	0.	793.30	2630.00	805.90	0.	806.46	38.57	6.15	545
39530.000	10.00	0.	0.	793.30	4260.00	808.06	0.	808.69	37.40	6.98	998
39540.000	10.00	0.	0.	793.30	1470.00	802.28	0.	802.84	63.56	5.97	246
39540.000	10.00	0.	0.	793.30	2270.00	805.16	0.	805.69	40.16	5.93	445
39540.000	10.00	0.	0.	793.30	2630.00	805.95	0.	806.50	37.65	6.10	553
39540.000	10.00	0.	0.	793.30	4260.00	808.12	0.	808.73	36.47	6.92	1013

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	FG	10K+S	VCH	ARE
39550.000	10.00	0.	0.	793.30	1470.00	802.36	0.	802.90	61.26	5.89	249
39550.000	10.00	0.	0.	793.30	2270.00	805.21	0.	805.74	39.26	5.88	451
39550.000	10.00	0.	0.	793.30	2630.00	806.00	0.	806.54	36.91	6.06	560
39550.000	10.00	0.	0.	793.30	4260.00	808.17	0.	808.77	35.60	6.86	1027
39600.000	50.00	0.	0.	793.30	1470.00	802.72	0.	803.20	52.11	5.55	265
39600.000	50.00	0.	0.	793.30	2270.00	805.45	0.	805.93	35.13	5.67	482
39600.000	50.00	0.	0.	793.30	2630.00	806.23	0.	806.72	32.97	5.82	599
39600.000	50.00	0.	0.	793.30	4260.00	808.41	0.	808.95	31.77	6.57	1097
42100.000	2500.00	0.	0.	805.80	1250.00	813.88	0.	814.22	36.64	4.72	312
42100.000	2500.00	0.	0.	805.80	1910.00	815.03	0.	815.50	42.60	5.73	458
42100.000	2500.00	0.	0.	805.80	2280.00	815.59	0.	816.11	44.06	6.13	546
42100.000	2500.00	0.	0.	805.80	3370.00	817.18	0.	817.73	40.14	6.63	841
42140.000	40.00	0.	0.	805.80	1250.00	814.05	0.	814.36	32.77	4.56	331
42140.000	40.00	0.	0.	805.80	1910.00	815.24	0.	815.67	37.70	5.50	491
42140.000	40.00	0.	0.	805.80	2280.00	815.83	0.	816.29	38.45	5.84	588
42140.000	40.00	0.	0.	805.80	3370.00	817.39	0.	817.89	36.17	6.39	883
42195.000	55.00	0.	0.	805.00	1250.00	814.42	0.	814.52	14.84	2.56	489
42195.000	55.00	0.	0.	805.00	1910.00	815.71	0.	815.85	15.73	3.00	635
42195.000	55.00	0.	0.	805.00	2280.00	816.32	0.	816.48	16.30	3.22	707
42195.000	55.00	0.	0.	805.00	3370.00	817.86	0.	818.08	17.55	3.75	899
42205.000	10.00	820.00	833.40	805.00	1250.00	814.43	0.	814.53	14.73	2.55	490
42205.000	10.00	820.00	833.40	805.00	1910.00	815.73	0.	815.87	15.60	3.00	637
42205.000	10.00	820.00	833.40	805.00	2280.00	816.34	0.	816.50	16.15	3.21	709
42205.000	10.00	820.00	833.40	805.00	3370.00	817.89	0.	818.10	17.37	3.73	902
42220.000	15.00	0.	0.	805.80	1250.00	814.36	0.	814.63	27.27	4.29	366
42220.000	15.00	0.	0.	805.80	1910.00	815.63	0.	815.99	30.25	5.09	554
42220.000	15.00	0.	0.	805.80	2280.00	816.24	0.	816.62	30.40	5.37	631
42220.000	15.00	0.	0.	805.80	3370.00	817.80	0.	818.22	29.67	5.95	967
42240.000	20.00	0.	0.	805.80	1250.00	814.45	0.	814.69	24.51	4.10	377
42240.000	20.00	0.	0.	805.80	1910.00	815.78	0.	816.06	24.56	4.65	579
42240.000	20.00	0.	0.	805.80	2280.00	816.41	0.	816.69	23.52	4.79	693
42240.000	20.00	0.	0.	805.80	3370.00	818.01	0.	818.30	20.95	5.07	1012
42241.000	1.00	820.00	816.00	806.00	1250.00	813.29	0.	815.47	188.42	11.86	109
* 42241.000	1.00	820.00	816.00	806.00	1910.00	814.31	814.31	818.11	272.18	15.69	127
* 42241.000	1.00	820.00	816.00	806.00	2280.00	815.46	815.46	819.52	241.68	16.25	148
* 42241.000	1.00	820.00	816.00	806.00	3370.00	821.70	821.70	822.61	299.31	9.99	588
42259.000	18.00	820.00	816.00	806.00	1250.00	814.12	0.	815.85	127.41	10.55	124
42259.000	18.00	820.00	816.00	806.00	1910.00	816.40	0.	818.92	350.26	12.80	157
42259.000	18.00	820.00	816.00	806.00	2280.00	816.65	0.	820.23	498.79	15.28	157
42259.000	18.00	820.00	816.00	806.00	3370.00	822.75	0.	823.01	85.95	5.70	973
42260.000	1.00	0.	0.	806.70	1250.00	816.05	0.	816.16	8.88	2.85	628
42260.000	1.00	0.	0.	806.70	1910.00	819.36	0.	819.41	3.41	2.22	1383
42260.000	1.00	0.	0.	806.70	2280.00	820.90	0.	820.94	2.35	2.01	1948
42260.000	1.00	0.	0.	806.70	3370.00	823.02	0.	823.05	1.97	2.03	2966

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWSEL	CRWS	EG	10K+S	VCH	ARE
42310.000	50.00	0.	0.	806.70	1250.00	816.09	0.	816.21	9.91	3.02	635
42310.000	50.00	0.	0.	806.70	1910.00	819.37	0.	819.44	4.59	2.58	1385
42310.000	50.00	0.	0.	806.70	2280.00	820.90	0.	820.96	3.38	2.40	1950
42310.000	50.00	0.	0.	806.70	3370.00	823.02	0.	823.07	3.08	2.54	2960
42500.000	190.00	0.	0.	807.40	1250.00	816.29	0.	816.44	13.17	3.33	540
42500.000	190.00	0.	0.	807.40	1910.00	819.46	0.	819.55	6.02	2.84	1227
42500.000	190.00	0.	0.	807.40	2280.00	820.97	0.	821.04	4.51	2.69	1626
42500.000	190.00	0.	0.	807.40	3370.00	823.07	0.	823.15	4.38	2.94	2284
42600.000	100.00	0.	0.	807.70	1250.00	816.42	0.	816.58	14.47	3.44	512
42600.000	100.00	0.	0.	807.70	1910.00	819.51	0.	819.61	6.71	2.96	1167
42600.000	100.00	0.	0.	807.70	2280.00	821.01	0.	821.09	5.02	2.79	1556
42600.000	100.00	0.	0.	807.70	3370.00	823.11	0.	823.20	4.80	3.04	2198
43275.000	675.00	0.	0.	810.20	1250.00	817.84	0.	818.22	41.73	4.95	262
43275.000	675.00	0.	0.	810.20	1910.00	820.19	0.	820.59	32.60	5.22	428
43275.000	675.00	0.	0.	810.20	2280.00	821.49	0.	821.87	26.61	5.18	551
43275.000	675.00	0.	0.	810.20	3370.00	823.53	0.	823.99	26.26	5.85	817
* 43327.000	52.00	0.	0.	812.90	1250.00	820.69	820.69	822.15	418.29	11.79	168
* 43327.000	52.00	0.	0.	812.90	1910.00	821.84	821.84	823.36	407.18	12.84	255
* 43327.000	52.00	0.	0.	812.90	2280.00	822.28	822.28	823.89	420.92	13.51	299
* 43327.000	52.00	0.	0.	812.90	3370.00	823.50	823.50	825.09	396.56	14.30	448
43374.000	27.00	825.30	822.20	813.20	1250.00	826.70	0.	826.74	9.28	2.59	1004
43374.000	27.00	825.30	822.20	813.20	1910.00	827.14	0.	827.21	16.37	3.52	1164
43374.000	27.00	825.30	822.20	813.20	2280.00	827.35	0.	827.43	20.45	3.98	1250
43374.000	27.00	825.30	822.20	813.20	3370.00	827.81	0.	827.95	33.03	5.17	1465
43390.000	16.00	0.	0.	813.70	1250.00	826.71	0.	826.75	2.85	2.05	1232
43390.000	16.00	0.	0.	813.70	1910.00	827.15	0.	827.23	5.32	2.88	1419
43390.000	16.00	0.	0.	813.70	2280.00	827.35	0.	827.46	6.83	3.30	1513
43390.000	16.00	0.	0.	813.70	3370.00	827.81	0.	828.00	11.79	4.44	1742
43450.000	60.00	0.	0.	813.90	1250.00	826.72	0.	826.77	3.12	2.13	1166
43450.000	60.00	0.	0.	813.90	1910.00	827.18	0.	827.27	5.80	2.98	1344
43450.000	60.00	0.	0.	813.90	2280.00	827.39	0.	827.51	7.42	3.41	1437
43450.000	60.00	0.	0.	813.90	3370.00	827.88	0.	828.07	12.64	4.57	1673
43600.000	150.00	0.	0.	814.50	1250.00	826.77	0.	826.83	4.04	2.34	1007
43600.000	150.00	0.	0.	814.50	1910.00	827.26	0.	827.38	7.50	3.28	1147
43600.000	150.00	0.	0.	814.50	2280.00	827.50	0.	827.64	9.51	3.75	1229
43600.000	150.00	0.	0.	814.50	3370.00	828.06	0.	828.30	15.64	4.97	1470
44100.000	500.00	0.	0.	816.30	1250.00	827.07	0.	827.22	16.35	3.27	484
44100.000	500.00	0.	0.	816.30	1910.00	827.81	0.	828.07	25.81	4.30	580
44100.000	500.00	0.	0.	816.30	2280.00	828.18	0.	828.49	30.50	4.77	632
44100.000	500.00	0.	0.	816.30	3370.00	829.12	0.	829.59	40.83	5.96	778
44150.000	50.00	0.	0.	817.30	1250.00	827.02	0.	827.48	48.68	6.67	390
44150.000	50.00	0.	0.	817.30	1910.00	827.75	0.	828.44	72.40	8.56	483
44150.000	50.00	0.	0.	817.30	2280.00	828.13	0.	828.92	82.91	9.38	534
44150.000	50.00	0.	0.	817.30	3370.00	829.10	0.	830.11	103.50	11.12	686

SFCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
44231.000	81.00	828.40	825.70	817.50	1250.00	829.62	0.	829.73	11.97	3.85	743
44231.000	81.00	828.40	825.70	817.50	1910.00	830.29	0.	830.48	19.34	5.08	897
44231.000	81.00	828.40	825.70	817.50	2280.00	830.54	0.	830.77	24.03	5.74	972
44231.000	81.00	828.40	825.70	817.50	3370.00	831.14	0.	831.50	37.47	7.40	1161
44245.000	14.00	0.	0.	820.80	1250.00	829.72	0.	829.76	9.27	2.54	1070
44245.000	14.00	0.	0.	820.80	1910.00	830.47	0.	830.53	12.78	3.17	1362
44245.000	14.00	0.	0.	820.80	2280.00	830.76	0.	830.83	14.87	3.50	1498
44245.000	14.00	0.	0.	820.80	3370.00	831.49	0.	831.59	19.91	4.27	1856
44300.000	55.00	0.	0.	821.10	1250.00	829.77	0.	829.82	11.03	2.72	1002
44300.000	55.00	0.	0.	821.10	1910.00	830.54	0.	830.61	14.95	3.37	1262
44300.000	55.00	0.	0.	821.10	2280.00	830.84	0.	830.92	17.32	3.71	1395
44300.000	55.00	0.	0.	821.10	3370.00	831.60	0.	831.71	22.56	4.48	1760
44500.000	200.00	0.	0.	822.10	1250.00	830.04	0.	830.12	19.73	3.40	805
44500.000	200.00	0.	0.	822.10	1910.00	830.89	0.	831.00	23.74	4.02	1033
44500.000	200.00	0.	0.	822.10	2280.00	831.24	0.	831.36	26.46	4.38	1133
44500.000	200.00	0.	0.	822.10	3370.00	832.11	0.	832.26	31.48	5.11	1519
45100.000	600.00	0.	0.	824.40	1240.00	831.82	0.	832.40	76.18	6.13	224
45100.000	600.00	0.	0.	824.40	1840.00	832.94	0.	833.67	86.23	7.10	348
45100.000	600.00	0.	0.	824.40	2180.00	833.46	0.	834.21	86.11	7.41	428
45100.000	600.00	0.	0.	824.40	3000.00	834.51	0.	835.24	77.73	7.75	683
45162.000	62.00	0.	0.	824.80	1240.00	832.32	0.	832.80	52.02	5.66	253
45162.000	62.00	0.	0.	824.80	1840.00	833.45	0.	834.14	63.79	6.90	351
45162.000	62.00	0.	0.	824.80	2180.00	833.92	0.	834.71	70.89	7.54	402
45162.000	62.00	0.	0.	824.80	3000.00	834.86	0.	835.83	81.59	8.65	570
45163.000	1.00	833.10	830.10	824.80	1240.00	831.95	0.	833.07	407.51	8.52	145
45163.000	1.00	833.10	830.10	824.80	1840.00	832.39	829.91	834.87	897.28	12.64	145
45163.000	1.00	833.10	830.10	824.80	2180.00	832.32	830.03	835.80	1259.52	14.97	145
45163.000	1.00	833.10	830.10	824.80	3000.00	835.43	835.43	836.38	480.71	9.36	534
45217.000	54.00	833.10	830.10	824.80	1240.00	834.38	0.	834.90	252.28	6.12	264
45217.000	54.00	833.10	830.10	824.80	1840.00	836.20	0.	836.35	78.96	4.06	807
45217.000	54.00	833.10	830.10	824.80	2180.00	837.13	0.	837.23	50.22	3.48	1087
45217.000	54.00	833.10	830.10	824.80	3000.00	837.27	0.	837.44	85.15	4.58	1133
45218.000	1.00	0.	0.	824.80	1240.00	834.80	0.	834.97	14.31	3.61	558
45218.000	1.00	0.	0.	824.80	1840.00	836.20	0.	836.36	13.62	3.85	1042
45218.000	1.00	0.	0.	824.80	2180.00	837.13	0.	837.24	10.40	3.55	1456
45218.000	1.00	0.	0.	824.80	3000.00	837.26	0.	837.46	18.12	4.72	1517
45250.000	32.00	0.	0.	825.50	1240.00	834.82	0.	835.06	22.40	3.98	311
45250.000	32.00	0.	0.	825.50	1840.00	836.16	0.	836.48	25.40	4.70	615
45250.000	32.00	0.	0.	825.50	2180.00	837.10	0.	837.34	19.19	4.35	1004
45250.000	32.00	0.	0.	825.50	3000.00	837.21	0.	837.62	33.75	5.82	1054
45670.000	420.00	0.	0.	828.50	1240.00	836.02	0.	836.42	45.58	5.09	243
45670.000	420.00	0.	0.	828.50	1840.00	837.51	0.	838.10	55.04	6.13	300
45670.000	420.00	0.	0.	828.50	2180.00	838.14	0.	838.84	60.30	6.70	340
45670.000	420.00	0.	0.	828.50	3000.00	838.93	835.26	839.90	77.33	8.07	532

SFCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSFL	CRWS	EG	10K+S	VCH	ARE
340.000	340.00	0.	0.	832.90	800.00	837.92	0.	838.41	87.44	5.79	173
340.000	340.00	0.	0.	832.90	1220.00	839.57	0.	839.96	51.81	5.54	357
340.000	340.00	0.	0.	832.90	1500.00	840.34	0.	840.71	44.93	5.59	469
340.000	340.00	0.	0.	832.90	2010.00	841.55	0.	841.88	35.53	5.55	675
395.000	54.00	0.	0.	832.90	800.00	838.46	0.	838.81	54.69	4.96	222
395.000	54.00	0.	0.	832.90	1220.00	839.91	0.	840.22	40.51	5.08	404
395.000	54.00	0.	0.	832.90	1500.00	840.63	0.	840.94	36.99	5.21	514
395.000	54.00	0.	0.	832.90	2010.00	841.78	0.	842.07	30.91	5.28	715
395.000	1.00	0.	0.	831.70	800.00	838.73	0.	838.85	24.70	2.88	277
395.000	1.00	0.	0.	831.70	1220.00	840.11	0.	840.26	23.79	3.12	390
395.000	1.00	0.	0.	831.70	1500.00	840.80	0.	840.97	23.08	3.32	452
395.000	1.00	0.	0.	831.70	2010.00	841.88	0.	842.09	23.04	3.64	552
405.000	10.00	850.00	848.40	831.70	800.00	838.75	0.	838.88	24.25	2.86	279
405.000	10.00	850.00	848.40	831.70	1220.00	840.14	0.	840.29	23.33	3.10	393
405.000	10.00	850.00	848.40	831.70	1500.00	840.83	0.	841.00	22.66	3.30	455
405.000	10.00	850.00	848.40	831.70	2010.00	841.92	0.	842.12	22.61	3.61	556
410.000	5.00	0.	0.	832.90	800.00	838.66	0.	838.97	46.30	4.68	243
410.000	5.00	0.	0.	832.90	1220.00	840.07	0.	840.36	35.97	4.87	428
410.000	5.00	0.	0.	832.90	1500.00	840.78	0.	841.07	33.41	5.03	540
410.000	5.00	0.	0.	832.90	2010.00	841.89	0.	842.16	28.85	5.14	736
460.000	50.00	0.	0.	833.30	800.00	838.89	0.	839.23	53.49	4.92	224
460.000	50.00	0.	0.	833.30	1220.00	840.24	0.	840.57	42.57	5.17	394
460.000	50.00	0.	0.	833.30	1500.00	840.93	0.	841.26	39.59	5.34	498
460.000	50.00	0.	0.	833.30	2010.00	842.02	0.	842.34	34.16	5.47	686
800.000	340.00	0.	0.	836.00	800.00	841.06	0.	841.54	84.34	5.72	176
800.000	340.00	0.	0.	836.00	1220.00	842.07	0.	842.65	83.96	6.56	278
800.000	340.00	0.	0.	836.00	1500.00	842.63	0.	843.24	80.98	6.89	351
800.000	340.00	0.	0.	836.00	2010.00	843.50	0.	844.14	77.18	7.37	479
1050.000	350.00	0.	0.	838.60	800.00	844.55	0.	845.32	133.32	7.00	114
1050.000	350.00	0.	0.	838.60	1220.00	845.67	0.	846.77	156.48	8.49	157
1050.000	350.00	0.	0.	838.60	1500.00	846.19	844.74	847.52	172.01	9.40	189
1050.000	350.00	0.	0.	838.60	2010.00	846.94	846.50	848.58	191.20	10.70	258
1500.000	350.00	0.	0.	841.30	800.00	848.24	0.	848.74	72.96	5.72	150
1500.000	350.00	0.	0.	841.30	1220.00	849.72	0.	850.30	66.80	6.38	268
1500.000	350.00	0.	0.	841.30	1500.00	850.48	0.	851.06	62.21	6.59	368
1500.000	350.00	0.	0.	841.30	2010.00	851.55	0.	852.10	55.93	6.81	555
1534.000	34.00	0.	0.	839.50	800.00	848.30	0.	849.07	8.31	7.05	113
1534.000	34.00	0.	0.	839.50	1220.00	850.18	0.	850.47	3.41	5.26	347
1534.000	34.00	0.	0.	839.50	1500.00	851.09	0.	851.28	2.22	4.48	509
1534.000	34.00	0.	0.	839.50	2010.00	852.20	0.	852.33	1.36	3.73	763
1587.000	53.00	849.20	848.40	839.70	800.00	849.23	0.	849.60	4.08	5.33	200
1587.000	53.00	849.20	848.40	839.70	1220.00	850.87	0.	851.05	2.18	4.34	426
1587.000	53.00	849.20	848.40	839.70	1500.00	851.41	0.	851.57	1.99	4.27	532
1587.000	53.00	849.20	848.40	839.70	2010.00	852.37	0.	852.50	1.40	3.78	754

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRIS	EG	10K+S	VCH	ARE
1600.000	13.00	0.	0.	840.50	800.00	849.58	0.	849.72	16.92	3.44	391
1600.000	13.00	0.	0.	840.50	1220.00	850.89	0.	851.06	17.96	3.95	589
1600.000	13.00	0.	0.	840.50	1500.00	851.41	0.	851.61	19.94	4.32	684
1600.000	13.00	0.	0.	840.50	2010.00	852.38	0.	852.58	20.33	4.66	898
1855.000	255.00	0.	0.	841.80	800.00	850.00	0.	850.11	13.56	3.09	497
1855.000	255.00	0.	0.	841.80	1220.00	851.34	0.	851.44	11.55	3.21	780
1855.000	255.00	0.	0.	841.80	1500.00	851.90	0.	852.01	12.04	3.43	909
1855.000	255.00	0.	0.	841.80	2010.00	852.88	0.	852.99	12.19	3.70	1144
1905.000	50.00	0.	0.	839.50	800.00	850.12	0.	850.16	0.34	1.94	616
1905.000	50.00	0.	0.	839.50	1220.00	851.44	0.	851.48	0.27	1.87	899
1905.000	50.00	0.	0.	839.50	1500.00	852.02	0.	852.05	0.27	1.95	1030
1905.000	50.00	0.	0.	839.50	2010.00	852.99	0.	853.04	0.27	2.04	1268
2105.000	110.00	852.50	846.00	839.90	800.00	851.48	0.	851.74	1.68	4.09	195
2105.000	110.00	852.50	846.00	839.90	1220.00	853.47	0.	853.48	0.09	1.21	1287
2105.000	110.00	852.50	846.00	839.90	1500.00	853.93	0.	853.95	0.11	1.34	1406
2105.000	110.00	852.50	846.00	839.90	2010.00	854.60	0.	854.62	0.14	1.57	1581
2040.000	25.00	0.	0.	841.80	800.00	851.83	0.	851.86	3.59	1.36	892
2040.000	25.00	0.	0.	841.80	1220.00	853.47	0.	853.50	3.28	2.00	1293
2040.000	25.00	0.	0.	841.80	1500.00	853.93	0.	853.97	3.94	2.25	1415
2040.000	25.00	0.	0.	841.80	2010.00	854.60	0.	854.65	5.18	2.69	1596
2800.000	760.00	0.	0.	846.90	740.00	852.28	0.	852.72	72.27	5.35	148
2800.000	760.00	0.	0.	846.90	1100.00	853.84	0.	854.26	53.77	5.46	301
2800.000	760.00	0.	0.	846.90	1400.00	854.41	0.	854.84	53.86	5.79	450
2800.000	760.00	0.	0.	846.90	1800.00	855.25	0.	855.58	41.57	5.50	709
2853.000	53.00	0.	0.	846.00	740.00	852.44	0.	853.67	16.91	8.91	83
2853.000	53.00	0.	0.	846.00	1100.00	853.92	0.	854.41	7.65	6.80	261
2853.000	53.00	0.	0.	846.00	1400.00	854.81	0.	855.00	3.26	4.77	483
2853.000	53.00	0.	0.	846.00	1800.00	855.60	0.	855.71	1.81	3.75	730
2907.000	54.00	852.70	852.00	846.00	740.00	853.88	0.	854.12	3.64	4.67	254
2907.000	54.00	852.70	852.00	846.00	1100.00	854.26	0.	854.54	4.55	5.39	337
2907.000	54.00	852.70	852.00	846.00	1400.00	854.91	0.	855.07	2.83	4.47	511
2907.000	54.00	852.70	852.00	846.00	1800.00	855.68	0.	855.79	1.63	3.55	757
2920.000	13.00	0.	0.	846.80	740.00	853.89	0.	854.18	37.38	4.31	192
2920.000	13.00	0.	0.	846.80	1100.00	854.28	0.	854.80	65.43	5.92	228
2920.000	13.00	0.	0.	846.80	1400.00	854.92	0.	855.51	68.96	6.47	313
2920.000	13.00	0.	0.	846.80	1800.00	855.69	0.	856.28	65.77	6.77	448

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.000	2870.00	675.46	0.	0.	0.	234.77	0.
100.000	4700.00	677.00	0.	0.	0.	324.79	0.
100.000	6110.00	677.86	0.	0.	0.	337.57	0.
100.000	11020.00	680.19	2.33	0.	0.	371.29	0.
820.000	2870.00	678.99	0.	3.53	0.	102.65	720.00
820.000	4700.00	680.84	0.	3.84	0.	145.50	720.00
820.000	6110.00	681.87	0.	4.01	0.	160.49	720.00
820.000	11020.00	684.59	2.72	4.40	0.	182.16	720.00
869.000	2870.00	678.98	0.	-0.01	0.	61.00	49.00
869.000	4700.00	680.72	0.	-0.11	0.	61.00	49.00
869.000	6110.00	681.63	0.	-0.24	0.	61.00	49.00
869.000	11020.00	684.57	2.94	-0.01	0.	177.28	49.00
891.000	2870.00	679.00	0.	0.02	0.	61.00	22.00
891.000	4700.00	680.78	0.	0.05	0.	61.00	22.00
891.000	6110.00	681.72	0.	0.09	0.	61.00	22.00
891.000	11020.00	686.07	4.35	1.50	0.	197.73	22.00
950.000	2870.00	679.68	0.	0.68	0.	118.66	59.00
950.000	4700.00	681.90	0.	1.13	0.	160.79	59.00
950.000	6110.00	683.30	0.	1.59	0.	171.30	59.00
950.000	11020.00	686.94	3.63	0.87	0.	217.23	59.00
3560.000	2870.00	684.89	0.	5.21	0.	180.52	2610.00
3560.000	4700.00	687.59	0.	5.69	0.	232.34	2610.00
3560.000	6110.00	689.19	0.	5.88	0.	290.76	2610.00
3560.000	11020.00	693.24	4.05	6.30	0.	505.25	2610.00
6520.000	2870.00	689.06	0.	4.18	0.	521.91	2960.00
6520.000	4700.00	691.27	0.	3.68	0.	550.94	2960.00
6520.000	6110.00	692.69	0.	3.51	0.	585.02	2960.00
6520.000	11020.00	696.45	3.76	3.21	0.	668.62	2960.00
6572.000	2870.00	689.11	0.	0.05	0.	521.60	52.00
6572.000	4700.00	691.31	0.	0.04	0.	549.33	52.00
6572.000	6110.00	692.73	0.	0.04	0.	583.28	52.00
6572.000	11020.00	696.48	3.75	0.03	0.	667.60	52.00
6573.000	2870.00	689.13	0.	0.02	0.	521.06	1.00
6573.000	4700.00	691.33	0.	0.01	0.	549.50	1.00
6573.000	6110.00	692.74	0.	0.01	0.	583.44	1.00
6573.000	11020.00	696.50	3.75	0.01	0.	667.69	1.00
6587.000	2870.00	689.15	0.	0.02	0.	521.80	14.00
6587.000	4700.00	691.34	0.	0.01	0.	549.95	14.00
6587.000	6110.00	692.75	0.	0.01	0.	583.86	14.00
6587.000	11020.00	696.51	3.75	0.01	0.	667.91	14.00
6588.000	2870.00	687.75	0.	-1.40	0.	31.91	1.00
6588.000	4700.00	691.33	0.	-0.01	0.	550.02	1.00
6588.000	6110.00	692.75	0.	-0.01	0.	583.91	1.00
6588.000	11020.00	696.50	3.75	-0.01	0.	667.93	1.00

SFCNO	O	CNSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6640.000	2870.00	690.63	0.	2.89	0.	533.03	52.00
6640.000	4700.00	691.37	0.	0.04	0.	550.96	52.00
6640.000	6110.00	692.79	0.	0.04	0.	584.74	52.00
6640.000	11020.00	696.53	3.75	0.03	0.	668.33	52.00
9360.000	2770.00	692.88	0.	2.24	0.	53.95	2720.00
9360.000	4180.00	694.92	0.	3.55	0.	279.08	2720.00
9360.000	5230.00	695.97	0.	3.18	0.	318.75	2720.00
9360.000	9530.00	699.33	3.36	2.79	0.	398.82	2720.00
12340.000	2770.00	699.86	0.	6.98	0.	191.42	2980.00
12340.000	4180.00	702.01	0.	7.09	0.	213.54	2980.00
12340.000	5230.00	703.18	0.	7.22	0.	225.64	2980.00
12340.000	9530.00	706.62	3.44	7.29	0.	261.66	2980.00
12380.000	2770.00	699.91	0.	0.05	0.	191.91	40.00
12380.000	4180.00	702.07	0.	0.05	0.	214.08	40.00
12380.000	5230.00	703.24	0.	0.06	0.	226.17	40.00
12380.000	9530.00	706.69	3.45	0.07	0.	262.44	40.00
12390.000	2770.00	699.93	0.	0.02	0.	71.00	50.00
12390.000	4180.00	702.03	0.	-0.04	0.	71.00	50.00
12390.000	5230.00	703.16	0.	-0.08	0.	71.00	50.00
12390.000	9530.00	706.77	3.01	0.08	0.	261.41	50.00
12411.000	2770.00	699.99	0.	0.06	0.	71.00	21.00
12411.000	4180.00	702.12	0.	0.09	0.	71.00	21.00
12411.000	5230.00	703.28	0.	0.13	0.	71.00	21.00
12411.000	9530.00	708.29	5.00	1.52	0.	276.98	21.00
12460.000	2770.00	700.16	0.	0.17	0.	192.40	49.00
12460.000	4180.00	702.42	0.	0.30	0.	215.71	49.00
12460.000	5230.00	703.70	0.	0.42	0.	228.80	49.00
12460.000	9530.00	708.35	4.64	0.06	0.	278.07	49.00
15930.000	2430.00	705.71	0.	5.56	0.	283.12	3470.00
15930.000	3730.00	707.61	0.	5.18	0.	339.88	3470.00
15930.000	4160.00	708.54	0.	4.83	0.	361.41	3470.00
15930.000	8400.00	712.67	4.14	4.33	0.	468.00	3470.00
15983.000	2430.00	705.94	0.	0.23	0.	136.46	53.00
15983.000	3730.00	707.73	0.	0.12	0.	152.00	53.00
15983.000	4160.00	708.61	0.	0.07	0.	152.00	53.00
15983.000	8400.00	712.62	4.02	-0.05	0.	152.00	53.00
16018.000	2430.00	705.96	0.	0.02	0.	138.60	35.00
16018.000	3730.00	707.75	0.	0.02	0.	152.00	35.00
16018.000	4160.00	708.63	0.	0.02	0.	152.00	35.00
16018.000	8400.00	712.65	4.02	0.03	0.	152.00	35.00
16080.000	2430.00	706.04	0.	0.08	0.	84.13	62.00
16080.000	3730.00	707.70	0.	-0.05	0.	107.29	62.00
16080.000	4160.00	708.52	0.	-0.10	0.	118.81	62.00
16080.000	8400.00	712.36	3.84	-0.29	0.	177.33	62.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
17320.000	2430.00	710.37	0.	4.33	0.	135.68	1240.00
17320.000	3730.00	712.57	0.	4.87	0.	154.65	1240.00
17320.000	4160.00	713.19	0.	4.67	0.	160.64	1240.00
17320.000	8400.00	717.73	4.54	5.37	0.	200.11	1240.00
18560.000	2430.00	714.75	0.	4.38	0.	139.82	1240.00
18560.000	3730.00	716.68	0.	4.11	0.	156.48	1240.00
18560.000	4160.00	717.24	0.	4.05	0.	161.35	1240.00
18560.000	8400.00	721.63	4.39	3.90	0.	200.07	1240.00
19800.000	2430.00	718.61	0.	3.86	0.	139.45	1240.00
19800.000	3730.00	720.58	0.	3.90	0.	156.53	1240.00
19800.000	4160.00	721.15	0.	3.90	0.	161.40	1240.00
19800.000	8400.00	725.53	4.38	3.90	0.	200.07	1240.00
23220.000	2290.00	726.77	0.	8.16	0.	315.12	3420.00
23220.000	3520.00	728.41	0.	7.83	0.	353.27	3420.00
23220.000	4180.00	729.04	0.	7.89	0.	367.71	3420.00
23220.000	7600.00	732.60	3.57	7.08	0.	417.03	3420.00
23266.000	2290.00	726.54	0.	0.07	0.	99.00	46.00
23266.000	3520.00	728.42	0.	0.01	0.	99.00	46.00
23266.000	4180.00	729.02	0.	-0.02	0.	99.00	46.00
23266.000	7600.00	732.72	3.70	0.12	0.	484.41	46.00
23294.000	2290.00	726.86	0.	0.02	0.	99.00	28.00
23294.000	3520.00	728.46	0.	0.04	0.	99.00	28.00
23294.000	4180.00	729.07	0.	0.05	0.	99.00	28.00
23294.000	7600.00	733.98	4.91	1.25	0.	505.09	28.00
23340.000	2290.00	726.80	0.	-0.06	0.	269.86	46.00
23340.000	3520.00	728.51	0.	0.05	0.	353.15	46.00
23340.000	4180.00	729.18	0.	0.11	0.	382.92	46.00
23340.000	7600.00	733.96	4.78	-0.02	0.	479.35	46.00
23570.000	2290.00	727.74	0.	0.95	0.	262.76	230.00
23570.000	3520.00	729.28	0.	0.76	0.	300.18	230.00
23570.000	4180.00	729.90	0.	0.73	0.	317.39	230.00
23570.000	7600.00	734.21	4.30	0.25	0.	413.37	230.00
24000.000	2290.00	728.30	0.	0.56	0.	122.86	430.00
24000.000	3520.00	729.83	0.	0.55	0.	161.67	430.00
24000.000	4180.00	730.47	0.	0.56	0.	173.95	430.00
24000.000	7600.00	734.51	4.04	0.30	0.	242.14	430.00
25300.000	2290.00	734.91	0.	6.60	0.	123.18	1300.00
25300.000	3520.00	736.43	0.	6.60	0.	147.83	1300.00
25300.000	4180.00	737.13	0.	6.66	0.	154.14	1300.00
25300.000	7600.00	739.66	2.53	5.15	0.	193.54	1300.00
27880.000	2200.00	748.99	0.	14.09	0.	424.60	2580.00
27880.000	3260.00	750.03	0.	13.60	0.	493.08	2580.00
27880.000	3810.00	750.48	0.	13.35	0.	518.17	2580.00
27880.000	6960.00	752.62	2.14	12.96	0.	620.20	2580.00

SECNO	D	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
28900.000	2200.00	754.43	0.	5.44	0.	113.46	1020.00
28900.000	3260.00	755.40	0.	5.37	0.	154.44	1020.00
28900.000	3810.00	755.79	0.	5.31	0.	171.09	1020.00
28900.000	6960.00	757.35	1.56	4.73	0.	203.63	1020.00
31900.000	2200.00	771.72	0.	17.28	0.	196.88	3000.00
31900.000	3260.00	773.20	0.	17.80	0.	285.91	3000.00
31900.000	3810.00	773.82	0.	18.03	0.	320.08	3000.00
31900.000	6960.00	776.52	2.69	19.17	0.	371.62	3000.00
32150.000	2120.00	772.89	0.	1.18	0.	269.19	250.00
32150.000	3180.00	774.26	0.	1.07	0.	333.98	250.00
32150.000	3630.00	774.84	0.	1.02	0.	342.62	250.00
32150.000	6030.00	777.38	2.54	0.86	0.	391.12	250.00
32200.000	2120.00	772.67	0.	-0.22	0.	74.83	50.00
32200.000	3180.00	773.79	0.	-0.48	0.	210.83	50.00
32200.000	3630.00	774.42	0.	-0.42	0.	271.27	50.00
32200.000	6030.00	777.31	2.88	-0.07	0.	442.57	50.00
32360.000	2120.00	772.98	0.	-0.31	0.	75.94	160.00
32360.000	3180.00	774.33	0.	0.54	0.	251.42	160.00
32360.000	3630.00	774.86	0.	0.44	0.	277.96	160.00
* 32360.000	6030.00	781.72	6.86	4.41	0.	648.83	160.00
32410.000	2120.00	773.45	0.	0.47	0.	126.49	50.00
32410.000	3180.00	775.48	0.	1.15	0.	548.06	50.00
32410.000	3630.00	776.08	0.	1.22	0.	623.99	50.00
32410.000	6030.00	781.80	5.72	0.08	0.	820.52	50.00
33200.000	2120.00	778.23	0.	4.78	0.	227.68	790.00
33200.000	3180.00	779.24	0.	3.76	0.	256.44	790.00
33200.000	3630.00	779.47	0.	3.39	0.	263.11	790.00
33200.000	6030.00	782.30	2.83	0.50	0.	349.17	790.00
33249.000	2120.00	778.32	0.	0.09	0.	226.00	49.00
33249.000	3180.00	779.37	0.	0.13	0.	250.73	49.00
33249.000	3630.00	779.63	0.	0.16	0.	266.55	49.00
33249.000	6030.00	782.46	2.83	0.16	0.	353.71	49.00
33310.000	2120.00	778.36	0.	0.04	0.	208.51	61.00
33310.000	3180.00	781.76	0.	2.39	0.	311.13	61.00
* 33310.000	3630.00	782.03	0.	2.40	0.	318.96	61.00
* 33310.000	6030.00	783.46	1.43	1.00	0.	367.37	61.00
33360.000	2120.00	778.78	0.	0.43	0.	241.51	30.00
33360.000	3180.00	781.82	0.	0.06	0.	372.50	30.00
33360.000	3630.00	782.09	0.	0.06	0.	384.30	30.00
33360.000	6030.00	783.52	1.43	0.06	0.	446.24	30.00
34140.000	1620.00	780.57	0.	1.79	0.	308.64	780.00
34140.000	2730.00	782.72	0.	0.91	0.	428.04	780.00
34140.000	3130.00	783.11	0.	1.02	0.	438.71	780.00
34140.000	5300.00	784.92	1.81	1.40	0.	472.14	780.00

SECNO	O	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
34930.000	1820.00	782.94	0.	2.37	0.	289.81	790.00
34930.000	2730.00	784.16	0.	1.44	0.	317.53	790.00
34930.000	3130.00	784.58	0.	1.47	0.	327.00	790.00
34930.000	5300.00	786.44	1.87	1.52	0.	441.26	790.00
35720.000	1820.00	786.32	0.	3.37	0.	293.71	790.00
35720.000	2730.00	787.23	0.	3.07	0.	314.54	790.00
35720.000	3130.00	787.60	0.	3.02	0.	323.14	790.00
35720.000	5300.00	789.28	1.67	2.83	0.	434.37	790.00
37160.000	1820.00	790.93	0.	4.62	0.	405.07	1440.00
37160.000	2730.00	791.90	0.	4.66	0.	446.45	1440.00
37160.000	3130.00	792.25	0.	4.65	0.	457.75	1440.00
37160.000	5300.00	793.87	1.62	4.59	0.	493.20	1440.00
37860.000	1820.00	793.40	0.	2.47	0.	372.08	700.00
37860.000	2730.00	794.26	0.	2.37	0.	410.57	700.00
37860.000	3130.00	794.59	0.	2.34	0.	425.50	700.00
37860.000	5300.00	796.08	1.49	2.21	0.	471.47	700.00
38560.000	1820.00	796.85	0.	3.45	0.	383.21	700.00
38560.000	2730.00	797.65	0.	3.38	0.	419.28	700.00
38560.000	3130.00	797.95	0.	3.36	0.	432.57	700.00
38560.000	5300.00	799.27	1.33	3.19	0.	471.50	700.00
38760.000	1470.00	797.66	0.	0.81	0.	44.31	200.00
38760.000	2270.00	798.39	0.	0.74	0.	46.02	200.00
38760.000	2630.00	798.62	0.	0.67	0.	46.57	200.00
38760.000	4260.00	799.31	0.69	0.04	0.	48.18	200.00
38770.000	1470.00	797.75	0.	0.09	0.	44.52	10.00
38770.000	2270.00	798.58	0.	0.19	0.	46.46	10.00
38770.000	2630.00	798.88	0.	0.26	0.	47.18	10.00
38770.000	4260.00	800.53	1.65	1.22	0.	62.43	10.00
38780.000	1470.00	797.83	0.	0.08	0.	44.69	10.00
38780.000	2270.00	798.74	0.	0.16	0.	46.84	10.00
38780.000	2630.00	799.09	0.	0.21	0.	47.66	10.00
38780.000	4260.00	800.93	1.83	0.40	0.	77.88	10.00
39280.000	1470.00	800.72	0.	2.89	0.	45.86	500.00
39280.000	2270.00	802.56	0.	3.82	0.	56.63	500.00
39280.000	2630.00	803.27	0.	4.18	0.	75.54	500.00
39280.000	4260.00	805.85	2.58	4.92	0.	231.64	500.00
39338.000	1470.00	800.99	0.	0.26	0.	37.76	58.00
39338.000	2270.00	802.91	0.	0.24	0.	53.45	58.00
39338.000	2630.00	803.49	0.	0.23	0.	64.13	58.00
39338.000	4260.00	805.95	2.45	0.10	0.	123.04	58.00
39461.000	1470.00	801.65	0.	0.57	0.	36.42	123.00
39461.000	2270.00	804.61	0.	1.80	0.	64.37	123.00
39461.000	2630.00	805.32	0.	1.82	0.	75.43	123.00
39461.000	4260.00	806.74	1.43	0.80	0.	111.67	123.00

SECNO	Q	CWSFL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
39490.000	1470.00	801.82	0.	0.16	0.	40.11	29.00
39490.000	2270.00	804.89	0.	0.29	0.	110.29	29.00
39490.000	2630.00	805.69	0.	0.38	0.	142.63	29.00
39490.000	4260.00	807.83	2.14	1.09	0.	257.59	29.00
39491.000	1470.00	801.83	0.	0.01	0.	40.14	1.00
39491.000	2270.00	804.90	0.	0.01	0.	110.48	1.00
39491.000	2630.00	805.70	0.	0.01	0.	142.79	1.00
39491.000	4260.00	807.84	2.14	0.01	0.	258.06	1.00
39492.000	1470.00	801.84	0.	0.01	0.	40.18	1.00
39492.000	2270.00	804.90	0.	0.01	0.	110.69	1.00
39492.000	2630.00	805.70	0.	0.01	0.	142.98	1.00
39492.000	4260.00	807.85	2.14	0.01	0.	258.31	1.00
39493.000	1470.00	801.85	0.	0.01	0.	40.21	1.00
39493.000	2270.00	804.91	0.	0.01	0.	110.92	1.00
39493.000	2630.00	805.71	0.	0.01	0.	143.19	1.00
39493.000	4260.00	807.85	2.14	0.01	0.	258.62	1.00
39494.000	1470.00	801.86	0.	0.01	0.	40.25	1.00
39494.000	2270.00	804.91	0.	0.01	0.	111.15	1.00
39494.000	2630.00	805.71	0.	0.01	0.	143.41	1.00
39494.000	4260.00	807.86	2.14	0.01	0.	258.96	1.00
39495.000	1470.00	801.87	0.	0.01	0.	40.28	1.00
39495.000	2270.00	804.92	0.	0.01	0.	111.38	1.00
39495.000	2630.00	805.72	0.	0.01	0.	143.63	1.00
39495.000	4260.00	807.86	2.14	0.01	0.	259.29	1.00
39500.000	1470.00	801.92	0.	0.05	0.	40.43	5.00
39500.000	2270.00	804.95	0.	0.03	0.	112.34	5.00
39500.000	2630.00	805.75	0.	0.03	0.	144.53	5.00
39500.000	4260.00	807.89	2.15	0.03	0.	260.55	5.00
39510.000	1470.00	802.02	0.	0.10	0.	40.76	10.00
39510.000	2270.00	805.00	0.	0.06	0.	114.54	10.00
39510.000	2630.00	805.80	0.	0.05	0.	146.62	10.00
39510.000	4260.00	807.95	2.15	0.06	0.	263.63	10.00
39520.000	1470.00	802.11	0.	0.09	0.	41.01	10.00
39520.000	2270.00	805.06	0.	0.05	0.	116.55	10.00
39520.000	2630.00	805.85	0.	0.05	0.	148.73	10.00
39520.000	4260.00	808.01	2.16	0.06	0.	266.81	10.00
39530.000	1470.00	802.20	0.	0.09	0.	41.28	10.00
39530.000	2270.00	805.11	0.	0.05	0.	118.87	10.00
39530.000	2630.00	805.90	0.	0.05	0.	150.59	10.00
39530.000	4260.00	808.06	2.16	0.06	0.	269.43	10.00
39540.000	1470.00	802.28	0.	0.08	0.	41.55	10.00
39540.000	2270.00	805.16	0.	0.05	0.	120.79	10.00
39540.000	2630.00	805.95	0.	0.05	0.	152.76	10.00
39540.000	4260.00	808.12	2.17	0.05	0.	271.97	10.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
39550.000	1470.00	802.36	0.	0.08	0.	41.80	10.00
39550.000	2270.00	805.21	0.	0.05	0.	122.80	10.00
39550.000	2630.00	806.00	0.	0.05	0.	154.54	10.00
39550.000	4260.00	808.17	2.17	0.05	0.	274.42	10.00
39600.000	1470.00	802.72	0.	0.35	0.	42.94	50.00
39600.000	2270.00	805.45	0.	0.23	0.	132.62	50.00
39600.000	2630.00	806.23	0.	0.23	0.	167.79	50.00
39600.000	4260.00	808.41	2.18	0.24	0.	285.96	50.00
42100.000	1250.00	813.88	0.	11.17	0.	100.51	2500.00
42100.000	1910.00	815.03	0.	9.59	0.	149.09	2500.00
42100.000	2280.00	815.59	0.	9.37	0.	169.90	2500.00
42100.000	3370.00	817.18	1.59	8.78	0.	198.70	2500.00
42140.000	1250.00	814.05	0.	0.17	0.	113.08	40.00
42140.000	1910.00	815.24	0.	0.21	0.	156.92	40.00
42140.000	2280.00	815.83	0.	0.23	0.	174.21	40.00
42140.000	3370.00	817.39	1.57	0.21	0.	202.45	40.00
42195.000	1250.00	814.42	0.	0.37	0.	109.84	55.00
42195.000	1910.00	815.71	0.	0.47	0.	116.84	55.00
42195.000	2280.00	816.32	0.	0.49	0.	120.11	55.00
42195.000	3370.00	817.86	1.54	0.47	0.	128.45	55.00
42205.000	1250.00	814.43	0.	0.01	0.	109.90	10.00
42205.000	1910.00	815.73	0.	0.02	0.	116.92	10.00
42205.000	2280.00	816.34	0.	0.02	0.	120.21	10.00
42205.000	3370.00	817.89	1.55	0.02	0.	128.59	10.00
42220.000	1250.00	814.36	0.	-0.07	0.	124.11	15.00
42220.000	1910.00	815.63	0.	-0.10	0.	170.70	15.00
42220.000	2280.00	816.24	0.	-0.10	0.	181.65	15.00
42220.000	3370.00	817.80	1.56	-0.09	0.	209.77	15.00
42240.000	1250.00	814.45	0.	0.09	0.	127.34	20.00
42240.000	1910.00	815.78	0.	0.15	0.	173.34	20.00
42240.000	2280.00	816.41	0.	0.17	0.	184.74	20.00
42240.000	3370.00	818.01	1.00	0.22	0.	213.67	20.00
42241.000	1250.00	813.29	0.	-1.15	0.	17.48	1.00
* 42241.000	1910.00	814.31	0.	-1.47	0.	17.70	1.00
* 42241.000	2280.00	815.46	0.	-0.95	0.	17.95	1.00
* 42241.000	3370.00	821.70	0.25	3.69	0.	331.90	1.00
42259.000	1250.00	814.12	0.	0.82	0.	17.66	18.00
42259.000	1910.00	816.40	0.	2.09	0.	18.16	18.00
42259.000	2280.00	816.65	0.	1.19	0.	18.27	18.00
42259.000	3370.00	822.75	0.11	1.05	0.	401.76	18.00
42260.000	1250.00	816.05	0.	1.94	0.	194.31	1.00
42260.000	1910.00	819.36	0.	2.96	0.	261.91	1.00
42260.000	2280.00	820.90	0.	4.25	0.	450.50	1.00
42260.000	3370.00	823.02	2.12	0.27	0.	507.67	1.00

SFCNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
42310.000	1250.00	816.09	0.	0.04	0.	195.07	50.00
42310.000	1910.00	819.37	0.	0.01	0.	262.07	50.00
42310.000	2280.00	820.90	0.	0.00	0.	450.61	50.00
42310.000	3370.00	823.02	2.12	-0.00	0.	507.65	50.00
42500.000	1250.00	816.29	0.	0.20	0.	173.78	190.00
42500.000	1910.00	819.46	0.	0.09	0.	249.43	190.00
42500.000	2280.00	820.97	0.	0.06	0.	282.22	190.00
42500.000	3370.00	823.07	2.11	0.05	0.	340.52	190.00
42600.000	1250.00	816.42	0.	0.13	0.	166.06	100.00
42600.000	1910.00	819.51	0.	0.06	0.	244.51	100.00
42600.000	2280.00	821.01	0.	0.04	0.	275.13	100.00
42600.000	3370.00	823.11	2.11	0.04	0.	334.06	100.00
43275.000	1250.00	817.84	0.	1.42	0.	56.47	675.00
43275.000	1910.00	820.19	0.	0.68	0.	83.35	675.00
43275.000	2280.00	821.49	0.	0.48	0.	108.59	675.00
43275.000	3370.00	823.53	2.04	0.41	0.	151.98	675.00
* 43327.000	1250.00	820.69	0.	2.86	0.	60.69	52.00
* 43327.000	1910.00	821.84	0.	1.65	0.	92.72	52.00
* 43327.000	2280.00	822.28	0.	0.79	0.	105.07	52.00
* 43327.000	3370.00	823.50	1.22	-0.03	0.	139.20	52.00
43374.000	1250.00	826.70	0.	6.01	0.	301.98	27.00
43374.000	1910.00	827.14	0.	5.31	0.	411.04	27.00
43374.000	2280.00	827.35	0.	5.07	0.	435.60	27.00
43374.000	3370.00	827.81	0.46	4.31	0.	491.61	27.00
43390.000	1250.00	826.71	0.	0.01	0.	380.76	16.00
43390.000	1910.00	827.15	0.	0.01	0.	447.98	16.00
43390.000	2280.00	827.35	0.	0.01	0.	472.52	16.00
43390.000	3370.00	827.81	0.46	0.00	0.	518.76	16.00
43450.000	1250.00	826.72	0.	0.02	0.	333.38	60.00
43450.000	1910.00	827.18	0.	0.03	0.	427.36	60.00
43450.000	2280.00	827.39	0.	0.04	0.	452.85	60.00
43450.000	3370.00	827.88	0.49	0.07	0.	511.65	60.00
43600.000	1250.00	826.77	0.	0.05	0.	227.88	150.00
43600.000	1910.00	827.26	0.	0.08	0.	318.29	150.00
43600.000	2280.00	827.50	0.	0.11	0.	379.24	150.00
43600.000	3370.00	828.06	0.56	0.18	0.	461.40	150.00
44100.000	1250.00	827.07	0.	0.31	0.	124.17	500.00
44100.000	1910.00	827.81	0.	0.55	0.	135.68	500.00
44100.000	2280.00	828.18	0.	0.69	0.	141.45	500.00
44100.000	3370.00	829.12	0.94	1.06	0.	175.54	500.00
44150.000	1250.00	827.02	0.	-0.05	0.	120.61	50.00
44150.000	1910.00	827.75	0.	-0.06	0.	133.47	50.00
44150.000	2280.00	828.13	0.	-0.06	0.	140.03	50.00
44150.000	3370.00	829.10	0.97	-0.02	0.	174.77	50.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
44231.000	1250,00	829,62	0,	2,60	0,	188,17	81,00
44231.000	1910,00	830,29	0,	2,54	0,	303,76	81,00
44231.000	2280,00	830,54	0,	2,41	0,	308,58	81,00
44231.000	3370,00	831,14	0,60	2,04	0,	317,58	81,00
44245.000	1250,00	829,72	0,	0,11	0,	283,17	14,00
44245.000	1910,00	830,47	0,	0,18	0,	461,29	14,00
44245.000	2280,00	830,76	0,	0,22	0,	474,03	14,00
44245.000	3370,00	831,49	0,73	0,35	0,	506,19	14,00
44300.000	1250,00	829,77	0,	0,05	0,	276,77	55,00
44300.000	1910,00	830,54	0,	0,07	0,	451,56	55,00
44300.000	2280,00	830,84	0,	0,08	0,	464,42	55,00
44300.000	3370,00	831,60	0,76	0,11	0,	497,77	55,00
44500.000	1250,00	830,04	0,	0,27	0,	257,25	200,00
44500.000	1910,00	830,89	0,	0,35	0,	279,74	200,00
44500.000	2280,00	831,24	0,	0,40	0,	289,00	200,00
44500.000	3370,00	832,11	0,86	0,51	0,	476,01	200,00
45100.000	1240,00	831,82	0,	1,78	0,	84,15	600,00
45100.000	1840,00	832,94	0,	2,05	0,	136,32	600,00
45100.000	2180,00	833,46	0,	2,21	0,	203,38	600,00
45100.000	3000,00	834,51	1,05	2,40	0,	272,19	600,00
45162.000	1240,00	832,32	0,	0,50	0,	69,23	62,00
45162.000	1840,00	833,45	0,	0,51	0,	103,49	62,00
45162.000	2180,00	833,92	0,	0,46	0,	117,53	62,00
45162.000	3000,00	834,86	0,94	0,36	0,	250,10	62,00
45163.000	1240,00	831,95	0,	-0,38	0,	58,67	1,00
45163.000	1840,00	832,39	0,	-1,06	0,	71,34	1,00
* 45163.000	2180,00	832,32	0,	-1,59	0,	69,23	1,00
* 45163.000	3000,00	835,43	3,10	0,56	0,	337,47	1,00
45217.000	1240,00	834,38	0,	2,43	0,	177,91	54,00
45217.000	1840,00	836,20	0,	3,81	0,	431,54	54,00
45217.000	2180,00	837,13	0,	4,81	0,	461,84	54,00
45217.000	3000,00	837,27	0,14	1,85	0,	466,23	54,00
45218.000	1240,00	834,80	0,	0,43	0,	242,94	1,00
45218.000	1840,00	836,20	0,	-0,00	0,	431,46	1,00
45218.000	2180,00	837,13	0,	-0,01	0,	461,62	1,00
45218.000	3000,00	837,26	0,13	-0,02	0,	465,90	1,00
45250.000	1240,00	834,82	0,	0,01	0,	43,06	32,00
45250.000	1840,00	836,16	0,	-0,04	0,	379,80	32,00
45250.000	2180,00	837,10	0,	-0,03	0,	451,26	32,00
45250.000	3000,00	837,21	0,11	-0,05	0,	459,67	32,00
45670.000	1240,00	836,02	0,	1,21	0,	37,06	420,00
45670.000	1840,00	837,51	0,	1,35	0,	38,69	420,00
45670.000	2180,00	838,14	0,	1,04	0,	132,81	420,00
45670.000	3000,00	838,93	0,79	1,73	0,	350,26	420,00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
340.000	800.00	837.92	0.	1.90	0.	77.20	340.00
340.000	1220.00	839.57	0.	2.06	0.	137.37	340.00
340.000	1500.00	840.34	0.	2.20	0.	156.02	340.00
340.000	2010.00	841.55	1.21	2.62	0.	179.15	340.00
395.000	800.00	838.46	0.	0.54	0.	101.32	54.00
395.000	1220.00	839.91	0.	0.33	0.	145.42	54.00
395.000	1500.00	840.63	0.	0.29	0.	162.98	54.00
395.000	2010.00	841.78	1.15	0.22	0.	182.32	54.00
395.000	800.00	838.73	0.	0.26	0.	71.91	1.00
395.000	1220.00	840.11	0.	0.20	0.	87.54	1.00
395.000	1500.00	840.80	0.	0.18	0.	90.23	1.00
395.000	2010.00	841.88	1.08	0.10	0.	95.94	1.00
405.000	800.00	838.75	0.	0.03	0.	72.15	10.00
405.000	1220.00	840.14	0.	0.03	0.	87.62	10.00
405.000	1500.00	840.83	0.	0.03	0.	90.39	10.00
405.000	2010.00	841.92	1.08	0.04	0.	96.13	10.00
410.000	800.00	838.66	0.	-0.09	0.	110.22	5.00
410.000	1220.00	840.07	0.	-0.07	0.	149.43	5.00
410.000	1500.00	840.78	0.	-0.06	0.	166.72	5.00
410.000	2010.00	841.89	1.11	-0.03	0.	183.92	5.00
460.000	800.00	838.89	0.	0.23	0.	102.50	50.00
460.000	1220.00	840.24	0.	0.17	0.	143.77	50.00
460.000	1500.00	840.93	0.	0.15	0.	160.52	50.00
460.000	2010.00	842.02	1.09	0.13	0.	180.03	50.00
800.000	800.00	841.06	0.	2.17	0.	79.00	340.00
800.000	1220.00	842.07	0.	1.83	0.	122.43	340.00
800.000	1500.00	842.63	0.	1.70	0.	136.30	340.00
800.000	2010.00	843.50	0.67	1.48	0.	157.59	340.00
1050.000	800.00	844.55	0.	3.49	0.	24.09	350.00
1050.000	1220.00	845.67	0.	3.60	0.	53.16	350.00
1050.000	1500.00	846.19	0.	3.55	0.	74.53	350.00
1050.000	2010.00	846.94	0.75	3.44	0.	109.79	350.00
1500.000	800.00	848.24	0.	3.68	0.	49.48	350.00
1500.000	1220.00	849.72	0.	4.05	0.	113.68	350.00
1500.000	1500.00	850.48	0.	4.30	0.	149.18	350.00
1500.000	2010.00	851.55	1.07	4.62	0.	202.60	350.00
1534.000	800.00	848.30	0.	0.06	0.	13.00	34.00
1534.000	1220.00	850.18	0.	0.47	0.	155.79	34.00
1534.000	1500.00	851.09	0.	0.61	0.	200.88	34.00
1534.000	2010.00	852.20	1.11	0.65	0.	255.67	34.00
1587.000	800.00	849.23	0.	0.93	0.	99.82	53.00
1587.000	1220.00	850.87	0.	0.68	0.	179.44	53.00
1587.000	1500.00	851.41	0.	0.31	0.	206.89	53.00
1587.000	2010.00	852.37	0.96	0.17	0.	254.03	53.00

SECNO	Q	CWSFL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1600.000	800.00	849.58	0.	0.35	0.	129.27	13.00
1600.000	1220.00	850.89	0.	0.03	0.	173.15	13.00
1600.000	1500.00	851.41	0.	0.01	0.	196.40	13.00
1600.000	2010.00	852.38	0.96	0.00	0.	246.78	13.00
1855.000	800.00	850.00	0.	0.42	0.	198.10	255.00
1855.000	1220.00	851.34	0.	0.44	0.	223.34	255.00
1855.000	1500.00	851.90	0.	0.49	0.	232.77	255.00
1855.000	2010.00	852.88	0.97	0.50	0.	248.99	255.00
1905.000	800.00	850.12	0.	0.12	0.	202.21	50.00
1905.000	1220.00	851.44	0.	0.11	0.	225.12	50.00
1905.000	1500.00	852.02	0.	0.11	0.	234.66	50.00
1905.000	2010.00	852.99	0.98	0.12	0.	250.94	50.00
2105.000	800.00	851.48	0.	1.36	0.	17.00	110.00
2105.000	1220.00	853.47	0.	2.02	0.	252.26	110.00
2105.000	1500.00	853.93	0.	1.91	0.	260.00	110.00
2105.000	2010.00	854.60	0.67	1.60	0.	270.96	110.00
2040.000	800.00	851.83	0.	0.35	0.	231.52	25.00
2040.000	1220.00	853.47	0.	0.00	0.	258.81	25.00
2040.000	1500.00	853.93	0.	0.00	0.	266.52	25.00
2040.000	2010.00	854.60	0.67	0.00	0.	277.64	25.00
2800.000	740.00	852.28	0.	0.45	0.	55.06	760.00
2800.000	1100.00	853.84	0.	0.37	0.	201.45	760.00
2800.000	1400.00	854.41	0.	0.48	0.	293.04	760.00
2800.000	1800.00	855.25	0.84	0.65	0.	324.00	760.00
2853.000	740.00	852.44	0.	0.16	0.	12.99	53.00
2853.000	1100.00	853.92	0.	0.09	0.	207.64	53.00
2853.000	1400.00	854.81	0.	0.41	0.	289.84	53.00
2853.000	1800.00	855.60	0.78	0.35	0.	331.19	53.00
2907.000	740.00	853.88	0.	1.44	0.	204.53	54.00
2907.000	1100.00	854.26	0.	0.34	0.	240.06	54.00
2907.000	1400.00	854.91	0.	0.09	0.	296.84	54.00
2907.000	1800.00	855.68	0.78	0.09	0.	334.54	54.00
2920.000	740.00	853.89	0.	0.01	0.	80.51	13.00
2920.000	1100.00	854.28	0.	0.01	0.	108.65	13.00
2920.000	1400.00	854.92	0.	0.01	0.	154.14	13.00
2920.000	1800.00	855.69	0.77	0.01	0.	192.88	13.00

SUMMARY OF ERRORS

CAUTION SECNO=32360.000 PROFILE= 4 HYDRAULIC JUMP D.S.
CAUTION SECNO=33310.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO=33310.000 PROFILE= 4 HYDRAULIC JUMP D.S.
CAUTION SECNO=42241.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=42241.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=42241.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=42241.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=42241.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=42241.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

42 13

Flow Net

T1 GUILFORD COUNTY FIA STUDY 10 YR. FLOOD
 T2 STREAM 92 AND 93
 T3 MARCH 1977 DWL

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FO
	-1.	2.	0.	0.	.010000	0.00	0.0	0.	767.000	0.000
J2	NPROF	IPL0T	PREVS	XSECV	XSFCH	FN	ALLDC	IRW	CHNIM	IIRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	4.000	820.000	1390.000	1680.000	3100.000	0.000	0.000	0.000	0.000	0.000
X1	1500.000	19.000	500.000	532.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	800.000	200.000	793.300	250.000	785.900	300.000	783.800	350.000	777.500	400.000
GR	772.600	450.000	763.100	500.000	763.600	504.000	763.600	512.000	763.300	526.000
GR	767.700	532.000	768.400	550.000	771.700	600.000	771.700	650.000	772.900	700.000
GR	774.400	750.000	780.400	760.000	770.600	800.000	781.900	850.000	0.000	0.000
x1	1710.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
x1	1730.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
x1	1750.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
x1	1770.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
x1	1790.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
y1	2340.000	24.000	500.000	530.000	840.000	840.000	840.000	0.000	0.000	0.000
GR	805.500	100.000	796.500	132.000	784.900	154.000	784.200	200.000	781.900	234.000
GR	775.100	250.000	773.300	300.000	772.800	350.000	772.600	400.000	773.200	450.000
GR	773.000	500.000	769.900	514.000	766.500	518.000	766.000	523.000	766.400	529.000
GR	768.800	530.000	773.200	550.000	775.400	600.000	776.000	650.000	777.200	700.000
GR	770.800	750.000	782.300	800.000	783.000	850.000	800.000	1250.000	0.000	0.000
X1	2300.000	24.000	500.000	528.000	49.000	49.000	49.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	775.200	775.200	0.000
GR	805.500	100.000	796.500	132.000	784.900	154.000	784.200	200.000	781.900	234.000
GR	775.100	250.000	773.300	300.000	772.800	350.000	772.600	400.000	773.200	450.000
GR	773.000	500.000	769.900	502.000	767.500	507.000	766.900	512.000	767.300	520.000
GR	771.800	527.000	775.200	528.000	775.400	600.000	776.000	650.000	777.200	700.000

	775,000	750,000	782,500	800,000	785,000	850,000	600,000	1227,000	0,000	0,000
X1	2390.000	29,000	500.000	528.000	1,000	1,000	1,000	0.000	0.000	0.000
BT	24.000	0.000	785.000	785.000	50.000	784.000	784.000	100.000	783.500	783.500
BT	150.000	783,500	783,500	200.000	784.000	784.000	250.000	784.100	784.100	300.000
BT	783,600	783,600	350.000	782,400	782,400	400.000	780,900	780,900	450.000	779,400
BT	779,400	500,000	778,000	778,000	500,300	778,000	775,200	527,900	777,800	775,200
BT	528.000	777,800	777,800	550.000	777,800	777,800	600.000	778,200	778,200	650.000
BT	778,700	778,700	700.000	779,900	779,900	750.000	780,800	780,800	800.000	782,300
BT	782,300	850,000	783,900	783,900	900,000	785,100	785,100	950.000	786,300	786,300
BT	1000.000	787,500	787,500	0,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	785.000	0.000	784.000	50.000	783,500	100.000	783,500	150.000	784.000	200.000
GR	784,100	250,000	783,600	300,000	782,400	350,000	780,900	400,000	779,400	450,000
GR	778.000	500.000	775,200	500,300	769,300	502,000	767,500	507,000	766,900	512,000
GR	767,300	520,000	771,800	527,000	775,200	527,900	777,800	528,000	777,800	550,000
GR	778,200	600.000	778,700	650.000	779,900	700.000	780,800	750.000	782,300	800.000
GR	783,900	850.000	785,100	900.000	786,300	950.000	787,500	1000.000	0.000	0.000
X1	2411.000	0.000	0.000	0.000	21.000	21.000	21.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
X1	2412.000	24.000	500.000	528.000	1,000	1,000	1,000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	778.000	778.000	0.000
GR	805,500	100,000	796,500	132.000	784,900	154,000	784,200	200,000	781,900	234.000
GR	775,100	250,000	773,300	300.000	772,800	350,000	772,600	400,000	773,200	450,000
GR	773,000	500.000	769,300	502,000	767,500	507,000	766,900	512,000	767,300	520,000
GR	771,800	527,000	775,200	528.000	775,400	600.000	776,000	650.000	777,200	700.000
GR	779,800	750,000	782,300	800.000	783,000	850.000	800.000	1250.000	0.000	0.000
X1	2425.000	21.000	500.000	522.000	13.000	13.000	13.000	0.000	-1.300	0.000
GR	796,300	250,000	793,900	300.000	792,200	350.000	789,600	400,000	781,800	450,000
GR	776,200	465,000	772,900	500.000	767,800	507,000	767,300	512,000	767,300	519,000
GR	773,100	522,000	774,700	550.000	777,200	600.000	777,300	650.000	778,800	700.000
GR	780,300	734,000	780,300	750.000	784,600	800.000	787,700	850.000	789,800	900.000
GR	796.000	1050.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2450.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	-1.100	0.000
X1	2462.000	0,000	0,000	0,000	12,000	12,000	12,000	0,000	0,000	0,000
Y1	5250.000	10.000	500.000	520.000	788.000	788.000	785.000	0.000	0.000	0.000
GR	790.000	400,000	783.000	450.000	774,500	480.000	776,500	500.000	771.000	507.000
GR	771.000	517.000	776.500	520.000	773,500	600.000	782.000	735.000	790.000	400.000
Y1	4320.000	20,000	506,000	525.000	1070.000	1070.000	1070.000	0.000	0.000	0.000
GR	821,900	250,000	806,400	300.000	790,100	323.000	790,300	350.000	790,500	400.000
GR	783,700	450,000	782,700	506,000	775.000	507.000	776,200	514.000	777.000	522.000
GR	783.000	525.000	782,500	550.000	781,600	600.000	782,600	650.000	784,700	685.000
GR	784,600	780.000	785,500	740.000	789,500	750.000	801,200	800.000	806,200	850.000
Y1	4580.000	10.000	500,000	522.000	360.000	360.000	360.000	0.000	0.000	0.000
GR	800.000	200,000	790.000	420.000	784.000	490.000	784.000	500.000	780.000	504.000
GR	780.000	518.000	784.000	522.000	785.000	550.000	790.000	595.000	800.000	625.000
X1	4900.000	10.000	500.000	522.000	280.000	280.000	200.000	0.000	0.000	0.000
GR	800.000	410.000	790.000	470.000	783.000	485.000	788.000	500.000	783.200	504.000

GR	783.200	518.000	788.000	522.000	788.000	540.000	770.000	585.000	800.000	550.000
DT	4.000	680.000	1150.000	1370.000	2240.000	0.000	0.000	0.000	0.000	0.000
X1	5100.000	10.000	500.000	520.000	140.000	140.000	140.000	0.000	0.000	0.000
GR	810.000	300.000	800.000	400.000	790.000	485.000	789.000	500.000	784.800	505.000
GR	784.800	518.000	789.000	520.000	790.000	530.000	800.000	600.000	810.000	645.000
X1	5400.000	8.000	500.000	520.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	810.000	410.000	800.000	450.000	791.500	500.000	788.300	505.000	788.300	516.000
GR	791.500	520.000	800.000	565.000	810.000	600.000	0.000	0.000	0.000	0.000
X1	6040.000	14.000	500.000	521.000	640.000	640.000	640.000	0.000	0.000	0.000
GR	840.500	300.000	832.800	350.000	824.600	400.000	812.900	450.000	800.000	500.000
GR	796.100	509.000	795.600	513.000	796.400	517.000	798.900	521.000	803.800	550.000
GR	814.700	600.000	827.200	650.000	838.000	700.000	846.800	750.000	0.000	0.000
X1	7080.000	21.000	500.000	515.000	1040.000	1040.000	1040.000	0.000	0.000	0.000
GR	848.500	350.000	846.900	365.000	837.300	387.000	837.500	400.000	836.000	429.000
GR	823.900	450.000	809.600	490.000	809.600	500.000	807.900	502.000	806.800	508.000
GR	806.100	514.000	810.000	515.000	811.000	550.000	813.000	600.000	813.000	650.000
GR	814.200	700.000	820.200	750.000	822.900	800.000	827.900	850.000	840.000	930.000
GR	850.000	1130.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	7180.000	6.000	500.000	515.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	833.000	400.000	812.500	500.000	807.000	510.000	812.000	515.000	819.000	700.000
GR	840.000	900.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	7400.000	20.000	500.000	523.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	841.700	300.000	841.100	307.000	835.300	327.000	835.200	341.000	834.600	350.000
GR	834.500	361.000	828.300	400.000	817.700	450.000	814.900	500.000	811.100	505.000
GR	810.800	509.000	808.600	515.000	816.800	523.000	818.200	550.000	819.400	600.000
GR	821.800	650.000	823.300	700.000	824.900	750.000	827.600	800.000	835.000	850.000
X1	7636.000	0.000	0.000	0.000	236.000	236.000	236.000	0.000	1.400	0.000
X1	7686.000	25.000	495.550	504.450	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	816.940	816.940	0.000
GR	847.400	150.000	842.800	200.000	842.200	250.000	841.700	300.000	841.100	307.000
GR	835.300	327.000	835.200	341.000	834.600	350.000	834.500	361.000	828.300	400.000
GR	817.700	450.000	815.000	492.300	811.120	495.550	811.300	497.350	811.300	502.700
GR	814.120	504.450	814.500	507.600	816.800	523.000	818.200	550.000	819.400	600.000
GR	821.800	650.000	823.300	700.000	824.900	750.000	827.600	800.000	835.000	850.000
SB	1.250	2.040	2.500	0.000	5.700	3.000	40.300	.617	812.000	811.300
X1	7754.000	0.000	0.000	0.000	68.000	68.000	68.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	817.600	819.400	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	819.400	819.400	0.000
BT	20.000	150.000	847.400	847.400	200.000	842.800	842.800	250.000	838.400	838.400
BT	300.000	834.200	834.200	350.000	830.200	830.200	400.000	823.000	823.000	450.000
BT	820.700	817.700	492.300	819.400	815.000	495.550	819.400	814.120	497.350	819.400
BT	816.940	502.700	819.400	816.940	501.450	819.400	814.120	507.600	819.400	814.500
BT	550.000	820.200	818.200	600.000	822.100	821.800	650.000	821.000	821.800	700.000
BT	826.200	823.300	750.000	827.700	824.900	800.000	829.100	827.600	850.000	830.400
BT	830.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	7766.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	1.500	0.000

X1	7778.000	19.000	500.000	516.000	12.000	12.000	12.000	0.000	-1.900	0.000
GR	858.200	300.000	848.300	350.000	842.900	375.000	830.900	400.000	822.800	428.000
GR	821.400	450.000	819.900	500.000	815.600	503.000	815.400	506.000	815.500	509.000
GR	821.300	513.000	821.700	539.000	821.400	550.000	821.100	600.000	824.500	650.000
GR	826.100	700.000	832.700	750.000	841.500	800.000	847.800	850.000	0.000	0.000

X1	7790.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	0.000	0.000
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X1	7804.000	0.000	0.000	0.000	14.000	14.000	14.000	0.000	0.000	0.000
QT	4.000	480.000	820.000	980.000	1420.000	0.000	0.000	0.000	0.000	0.000

X1	8010.000	19.000	500.100	516.000	206.000	206.000	206.000	0.000	-3.000	0.000
GR	858.200	200.000	858.200	250.000	858.200	300.000	848.300	350.000	830.900	400.000
GR	821.400	450.000	821.400	500.100	819.500	500.100	819.500	506.100	819.500	506.200
GR	821.300	516.000	821.100	600.000	824.500	650.000	826.100	700.000	832.700	750.000
GR	841.500	800.000	847.800	850.000	850.000	900.000	852.000	950.000	0.000	0.000

X1	8197.000	0.000	0.000	0.000	187.000	187.000	187.000	0.000	2.000	0.000
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X1	8227.000	19.000	500.100	506.100	30.000	30.000	30.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	825.500	825.500	0.000
GR	858.200	200.000	858.200	250.000	858.200	300.000	848.300	350.000	830.900	400.000
GR	821.400	450.000	821.400	500.100	819.500	500.100	819.500	506.100	819.500	506.200
GR	821.300	516.000	821.100	600.000	824.500	650.000	826.100	700.000	832.700	750.000
GR	841.500	800.000	847.800	850.000	850.000	900.000	852.000	950.000	0.000	0.000
SB	1.250	2.040	2.500	0.000	6.300	300	36.000	0.000	820.400	819.500

X1	8333.000	0.000	0.000	0.000	106.000	106.000	106.000	0.000	1.000	0.000
X2	0.000	0.000	1.900	826.400	832.100	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	832.100	832.100	0.000
BT	19.000	200.000	841.100	841.100	250.000	838.800	836.800	300.000	836.800	836.800
BT	350.000	835.300	835.300	400.000	834.400	834.000	450.000	833.100	820.000	500.000
BT	832.500	819.500	500.100	832.500	825.500	506.100	832.500	825.500	506.200	832.500
BT	819.500	516.000	832.100	820.000	600.000	832.200	820.000	650.000	832.700	820.000
BT	700.000	833.500	820.000	750.000	834.700	820.000	800.000	836.100	820.000	850.000
BT	837.700	820.000	900.000	839.400	820.000	950.000	841.000	820.000	0.000	0.000

X1	8343.000	11.000	500.000	544.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	858.200	300.000	848.300	350.000	842.900	375.000	830.900	400.000	824.400	500.000
GR	820.800	505.000	820.600	508.000	821.100	515.000	833.100	544.000	841.500	800.000
GR	847.800	850.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

MARCH 1977 DHL

SUMMARY PRINTOUT TABLE 150

SECD	XLCH	FLTRD	ELLC	FLMIN	D	CWSEL	CRWS	ER	10K+S	VCH	AREA
1500.000	0.00	0.00	0.00	763.10	820.00	767.64	0.00	768.10	99.97	5.84	174.
1500.000	0.00	0.00	0.00	763.10	1390.00	768.90	0.00	769.57	101.61	7.12	267.
1500.000	0.00	0.00	0.00	763.10	1680.00	769.45	0.00	770.19	99.75	7.56	318.
1500.000	0.00	0.00	0.00	763.10	3100.00	771.43	0.00	772.43	99.30	9.24	555.
1710.000	10.00	0.00	0.00	763.10	820.00	767.77	0.00	768.20	88.59	5.62	182.
1710.000	10.00	0.00	0.00	763.10	1390.00	769.00	0.00	769.68	90.22	6.85	281.
1710.000	10.00	0.00	0.00	763.10	1680.00	769.62	0.00	770.29	89.10	7.29	335.
1710.000	10.00	0.00	0.00	763.10	3100.00	771.62	0.00	772.54	89.64	8.92	582.
1730.000	20.00	0.00	0.00	763.10	820.00	767.99	0.00	768.37	73.00	5.29	196.
1730.000	20.00	0.00	0.00	763.10	1390.00	769.32	0.00	769.80	75.10	6.46	305.
1730.000	20.00	0.00	0.00	763.10	1680.00	769.88	0.00	770.47	74.80	6.86	362.
1730.000	20.00	0.00	0.00	763.10	3100.00	771.93	0.00	772.73	75.45	8.40	640.
1750.000	20.00	0.00	0.00	763.10	820.00	768.17	0.00	768.52	63.41	5.06	207.
1750.000	20.00	0.00	0.00	763.10	1390.00	769.52	0.00	770.01	65.19	6.10	325.
1750.000	20.00	0.00	0.00	763.10	1680.00	770.00	0.00	770.62	65.34	6.57	385.
1750.000	20.00	0.00	0.00	763.10	3100.00	772.18	0.00	772.88	65.57	7.99	694.
1770.000	20.00	0.00	0.00	763.10	820.00	768.32	0.00	768.64	55.01	4.87	218.
1770.000	20.00	0.00	0.00	763.10	1390.00	769.69	0.00	770.14	56.63	5.93	342.
1770.000	20.00	0.00	0.00	763.10	1680.00	770.26	0.00	770.76	58.44	6.33	405.
1770.000	20.00	0.00	0.00	763.10	3100.00	772.38	0.00	773.02	58.59	7.66	742.
1790.000	20.00	0.00	0.00	763.10	820.00	768.45	0.00	768.75	50.30	4.71	229.
1790.000	20.00	0.00	0.00	763.10	1390.00	769.84	0.00	770.25	52.56	5.74	358.
1790.000	20.00	0.00	0.00	763.10	1680.00	770.41	0.00	770.87	53.13	6.13	423.
1790.000	20.00	0.00	0.00	763.10	3100.00	772.56	0.00	773.14	52.87	7.39	755.
2340.000	840.00	0.00	0.00	766.00	820.00	773.29	0.00	773.58	66.47	4.45	246.
2340.000	840.00	0.00	0.00	766.00	1390.00	774.35	0.00	774.61	50.37	4.62	542.
2340.000	840.00	0.00	0.00	766.00	1680.00	774.79	0.00	775.04	45.39	4.66	682.
2340.000	840.00	0.00	0.00	766.00	3100.00	776.00	0.00	776.69	33.23	4.84	1314.
2389.000	49.00	0.00	0.00	766.90	820.00	773.51	0.00	774.03	79.49	5.81	141.
2389.000	49.00	0.00	0.00	766.90	1390.00	774.21	0.00	775.37	156.90	8.65	160.
2389.000	49.00	0.00	0.00	766.90	1680.00	774.40	0.00	775.99	209.42	10.13	165.
2389.000	49.00	0.00	0.00	766.90	3100.00	776.64	0.00	776.90	43.77	5.79	1247.

SENO	XLCH	ELTRD	ELLC	FLMIN	U	CHSEL	CKHS	EG	10K+S	VCH	AREA
2390.000	1.00	777.80	787.50	766.90	820.00	773.51	0.00	774.05	82.46	5.89	159.
2390.000	1.00	777.80	787.50	766.90	1390.00	774.20	0.00	775.41	166.11	8.83	157.
2390.000	1.00	777.80	787.50	766.90	1680.00	774.38	0.00	776.04	222.25	10.34	162.
2390.000	1.00	777.80	787.50	766.90	3100.00	775.09	775.09	779.60	549.77	17.06	181.
2411.000	21.00	777.80	787.50	766.90	820.00	773.72	0.00	774.22	73.83	5.67	144.
2411.000	21.00	777.80	787.50	766.90	1390.00	774.74	0.00	775.75	128.36	8.05	172.
2411.000	21.00	777.80	787.50	766.90	1680.00	775.39	0.00	776.07	323.18	9.09	184.
2411.000	21.00	777.80	787.50	766.90	3100.00	776.90	775.09	761.26	1170.71	16.77	184.
2412.000	1.00	0.00	0.00	766.90	820.00	773.75	0.00	774.73	69.39	5.54	147.
2412.000	1.00	0.00	0.00	766.90	1390.00	774.83	0.00	775.78	117.39	7.82	177.
2412.000	1.00	0.00	0.00	766.90	1680.00	775.64	0.00	776.73	119.52	8.37	200.
2412.000	1.00	0.00	0.00	766.90	3100.00	782.11	0.00	782.13	1.99	1.74	3992.
2425.000	13.00	0.00	0.00	767.00	820.00	773.71	0.00	774.45	113.62	6.99	130.
2425.000	13.00	0.00	0.00	767.00	1390.00	774.86	773.73	776.04	148.16	9.09	206.
2425.000	13.00	0.00	0.00	767.00	1680.00	776.01	0.00	776.91	100.52	8.32	222.
2425.000	13.00	0.00	0.00	767.00	3100.00	782.07	0.00	782.17	10.16	6.91	1808.
2450.000	25.00	0.00	0.00	766.90	820.00	774.15	0.00	774.72	78.31	6.16	151.
2450.000	25.00	0.00	0.00	766.90	1390.00	775.70	0.00	776.40	79.26	7.25	297.
2450.000	25.00	0.00	0.00	766.90	1680.00	776.55	0.00	777.17	65.93	7.12	403.
2450.000	25.00	0.00	0.00	766.90	3100.00	782.10	0.00	782.20	9.62	3.83	1348.
2462.000	12.00	0.00	0.00	766.90	820.00	774.28	0.00	774.81	72.20	6.00	169.
2462.000	12.00	0.00	0.00	766.90	1390.00	775.87	0.00	776.50	70.81	6.96	317.
2462.000	12.00	0.00	0.00	766.90	1680.00	776.68	0.00	777.25	61.28	6.93	418.
2462.000	12.00	0.00	0.00	766.90	3100.00	782.11	0.00	782.21	9.54	3.82	1855.
3250.000	788.00	0.00	0.00	771.00	820.00	778.97	0.00	779.28	44.95	5.01	283.
3250.000	788.00	0.00	0.00	771.00	1390.00	780.40	0.00	780.69	40.20	5.40	531.
3250.000	788.00	0.00	0.00	771.00	1680.00	780.89	0.00	781.19	40.38	5.53	640.
3250.000	788.00	0.00	0.00	771.00	3100.00	783.29	0.00	783.47	28.87	5.60	1279.
4320.000	1070.00	0.00	0.00	776.00	820.00	783.81	0.00	784.03	43.37	4.43	174.
4320.000	1070.00	0.00	0.00	776.00	1390.00	784.90	0.00	785.10	41.82	4.81	634.
4320.000	1070.00	0.00	0.00	776.00	1680.00	785.35	0.00	785.54	40.58	4.91	751.
4320.000	1070.00	0.00	0.00	776.00	3100.00	786.91	0.00	787.11	40.55	5.51	1245.
4680.000	360.00	0.00	0.00	780.00	820.00	785.82	0.00	786.43	97.13	6.58	172.
4680.000	360.00	0.00	0.00	780.00	1390.00	786.87	0.00	787.73	118.69	8.25	269.
4680.000	360.00	0.00	0.00	780.00	1680.00	787.27	0.00	788.25	129.19	8.97	312.
4680.000	360.00	0.00	0.00	780.00	3100.00	788.78	0.00	790.17	160.09	11.46	567.
4960.000	280.00	0.00	0.00	783.20	820.00	788.90	0.00	789.67	134.06	7.24	148.
4960.000	280.00	0.00	0.00	783.20	1390.00	790.27	0.00	791.07	119.12	8.05	287.
4960.000	280.00	0.00	0.00	783.20	1680.00	790.84	0.00	791.62	109.67	8.20	357.
4960.000	280.00	0.00	0.00	783.20	3100.00	792.89	0.00	793.68	94.78	9.09	651.
5100.000	140.00	0.00	0.00	784.80	680.00	790.71	0.00	791.31	96.81	6.43	133.
5100.000	140.00	0.00	0.00	784.80	1150.00	791.87	0.00	792.72	113.41	7.97	209.
5100.000	140.00	0.00	0.00	784.80	1370.00	792.33	0.00	793.26	116.70	8.49	244.
5100.000	140.00	0.00	0.00	784.80	2240.00	794.13	0.00	795.13	102.40	9.34	416.

SECNO	XLCH	FLTRD	ELLC	FLMIV	0	CWSEL	CRHS	EG	10K+S	VCH	AREA
5400.000	300.00	0.00	0.00	788.30	680.00	793.74	0.00	794.42	109.05	6.81	122.
5400.000	300.00	0.00	0.00	788.30	1150.00	795.18	0.00	796.09	109.52	8.16	198.
5400.000	300.00	0.00	0.00	788.30	1370.00	795.70	0.00	796.70	110.97	8.68	232.
5400.000	300.00	0.00	0.00	788.30	2240.00	797.28	0.00	798.62	121.85	10.46	351.
6040.000	640.00	0.00	0.00	795.60	680.00	801.42	0.00	802.19	134.72	7.19	112.
6040.000	640.00	0.00	0.00	795.60	1150.00	802.82	0.00	803.85	133.18	8.62	179.
6040.000	640.00	0.00	0.00	795.60	1370.00	803.35	0.00	804.48	131.95	9.12	210.
6040.000	640.00	0.00	0.00	795.60	2240.00	805.12	0.00	806.48	123.60	10.44	331.
7080.000	1040.00	0.00	0.00	806.10	680.00	812.51	0.00	812.86	79.68	5.73	217.
7080.000	1040.00	0.00	0.00	806.10	1150.00	813.66	0.00	814.00	72.84	6.26	394.
7080.000	1040.00	0.00	0.00	806.10	1370.00	814.06	0.00	814.39	70.02	6.39	478.
7080.000	1040.00	0.00	0.00	806.10	2240.00	815.31	0.00	815.62	63.18	6.79	763.
7180.000	200.00	0.00	0.00	807.00	680.00	814.43	0.00	815.12	148.59	7.44	158.
7180.000	200.00	0.00	0.00	807.00	1150.00	815.45	0.00	816.25	157.63	8.72	265.
7180.000	200.00	0.00	0.00	807.00	1370.00	815.80	0.00	816.65	163.66	9.23	309.
7180.000	200.00	0.00	0.00	807.00	2240.00	816.88	0.00	817.88	178.36	10.75	470.
7400.000	120.00	0.00	0.00	808.60	680.00	816.07	0.00	816.74	123.24	6.61	115.
7400.000	120.00	0.00	0.00	808.60	1150.00	817.19	0.00	818.22	155.87	8.44	175.
7400.000	120.00	0.00	0.00	808.60	1370.00	817.58	816.73	818.76	166.42	9.13	206.
7400.000	120.00	0.00	0.00	808.60	2240.00	818.77	818.68	820.27	186.65	10.92	330.
7636.000	236.00	0.00	0.00	810.00	680.00	818.41	0.00	818.81	62.48	5.22	162.
7636.000	236.00	0.00	0.00	810.00	1150.00	819.97	0.00	820.42	56.68	5.91	306.
7636.000	236.00	0.00	0.00	810.00	1370.00	820.53	0.00	820.98	54.21	6.08	379.
7636.000	236.00	0.00	0.00	810.00	2240.00	822.10	0.00	822.55	50.91	6.62	647.
7686.000	50.00	0.00	0.00	811.30	680.00	818.91	0.00	819.11	44.60	4.98	302.
7686.000	50.00	0.00	0.00	811.30	1150.00	820.55	0.00	820.69	30.75	4.75	572.
7686.000	50.00	0.00	0.00	811.30	1370.00	821.10	0.00	821.24	28.99	4.80	677.
7686.000	50.00	0.00	0.00	811.30	2240.00	822.60	0.00	822.80	27.38	5.19	1050.
7754.000	68.00	819.40	817.60	811.30	680.00	821.01	0.00	821.04	7.50	2.44	661.
7754.000	68.00	819.40	817.60	811.30	1150.00	821.90	0.00	821.96	11.71	3.23	849.
7754.000	68.00	819.40	817.60	811.30	1370.00	822.21	0.00	822.27	13.62	3.55	919.
7754.000	68.00	819.40	817.60	811.30	2240.00	823.28	0.00	823.38	19.09	4.49	1192.
7766.000	12.00	0.00	0.00	812.80	680.00	820.98	0.00	821.09	26.59	4.35	385.
7766.000	12.00	0.00	0.00	812.80	1150.00	821.86	0.00	822.02	35.60	5.04	537.
7766.000	12.00	0.00	0.00	812.80	1370.00	822.16	0.00	822.35	39.89	5.46	593.
7766.000	12.00	0.00	0.00	812.80	2240.00	823.23	0.00	823.47	49.75	6.58	811.
7778.000	12.00	0.00	0.00	813.50	680.00	821.11	0.00	821.15	32.54	0.00	386.
7778.000	12.00	0.00	0.00	813.50	1150.00	822.03	0.00	822.10	37.82	0.00	581.
7778.000	12.00	0.00	0.00	813.50	1370.00	822.36	0.00	822.43	34.96	0.00	652.
7778.000	12.00	0.00	0.00	813.50	2240.00	823.47	0.00	823.50	38.48	0.00	917.
7790.000	12.00	0.00	0.00	813.50	680.00	821.18	0.00	821.23	56.41	0.00	402.
7790.000	12.00	0.00	0.00	813.50	1150.00	822.11	0.00	822.10	54.10	0.00	594.
7790.000	12.00	0.00	0.00	813.50	1370.00	822.43	0.00	822.49	55.31	0.00	666.
7790.000	12.00	0.00	0.00	813.50	2240.00	823.44	0.00	823.63	55.55	0.00	934.

SECNO	XLCH	ELTRD	ELLC	FLMIN	Q	WCSEL	CRWS	EG	10K+S	VCH	AREA
7804.000	14.00	0.00	0.00	813.50	680.00	821.26	0.00	821.30	50.46	0.00	419.
7804.000	14.00	0.00	0.00	813.50	1150.00	822.18	0.00	822.24	49.49	0.00	613.
7804.000	14.00	0.00	0.00	813.50	1370.00	822.51	0.00	822.57	50.91	0.00	686.
7804.000	14.00	0.00	0.00	813.50	2240.00	823.62	0.00	823.71	51.88	0.00	957.
8010.000	206.00	0.00	0.00	816.50	480.00	821.63	0.00	821.64	6.25	1.57	641.
8010.000	206.00	0.00	0.00	816.50	820.00	822.60	0.00	822.62	7.58	1.97	870.
8010.000	206.00	0.00	0.00	816.50	980.00	822.95	0.00	822.97	8.17	2.13	963.
8010.000	206.00	0.00	0.00	816.50	1420.00	824.09	0.00	824.12	7.64	2.32	1284.
8197.000	187.00	0.00	0.00	818.50	480.00	821.86	0.00	821.95	65.93	3.69	285.
8197.000	187.00	0.00	0.00	818.50	820.00	822.84	0.00	822.92	43.53	3.66	476.
8197.000	187.00	0.00	0.00	818.50	980.00	823.21	0.00	823.29	40.61	3.76	551.
8197.000	187.00	0.00	0.00	818.50	1420.00	824.31	0.00	824.39	28.67	3.70	801.
* 8227.000	30.00	0.00	0.00	819.50	480.00	825.66	825.66	825.67	7.79	1.16	889.
* 8227.000	30.00	0.00	0.00	819.50	820.00	825.68	825.68	825.70	8.02	1.97	893.
* 8227.000	30.00	0.00	0.00	819.50	980.00	825.54	825.54	825.57	17.84	2.45	858.
* 8227.000	30.00	0.00	0.00	819.50	1420.00	825.66	825.66	825.71	24.37	3.42	889.
* 8333.000	106.00	832.10	826.40	820.50	480.00	830.25	0.00	831.29	190.89	8.21	58.
8333.000	106.00	832.10	826.40	820.50	820.00	833.04	0.00	833.04	.27	.58	2862.
8333.000	106.00	832.10	826.40	820.50	980.00	833.25	0.00	833.26	.36	.67	2938.
8333.000	106.00	832.10	826.40	820.50	1420.00	833.73	0.00	833.74	.63	.92	3108.
8383.000	50.00	0.00	0.00	820.60	480.00	831.51	0.00	831.53	1.76	1.15	669.
8383.000	50.00	0.00	0.00	820.60	820.00	833.03	0.00	833.05	2.42	1.45	888.
8383.000	50.00	0.00	0.00	820.60	980.00	833.24	0.00	833.27	3.11	1.67	920.
8383.000	50.00	0.00	0.00	820.60	1420.00	833.71	0.00	833.76	5.73	2.25	996.

UNITED STATES GOVERNMENT
 OFFICE OF THE SECRETARY OF THE ARMY
 WASHINGTON, D. C. 20315

MARCH 1977

DWL

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1500.000	820.00	767.64	0.00	0.00	.64	55.78	0.00
1500.000	1390.00	768.90	0.00	0.00	-.10	88.14	0.00
1500.000	1680.00	769.45	0.00	0.00	-1.55	99.38	0.00
1500.000	3100.00	771.43	1.98	0.00	-.57	139.85	0.00
1710.000	820.00	767.77	0.00	.14	0.00	58.46	10.00
1710.000	1390.00	769.06	0.00	.16	0.00	91.41	10.00
1710.000	1680.00	769.62	0.00	.16	0.00	102.73	10.00
1710.000	3100.00	771.62	2.00	.19	0.00	143.65	10.00
1730.000	820.00	767.99	0.00	.22	0.00	65.29	20.00
1730.000	1390.00	769.32	0.00	.25	0.00	96.61	20.00
1730.000	1680.00	769.88	0.00	.26	0.00	108.05	20.00
1730.000	3100.00	771.93	2.05	.31	0.00	210.80	20.00
1750.000	820.00	768.17	0.00	.18	0.00	70.51	20.00
1750.000	1390.00	769.52	0.00	.20	0.00	100.75	20.00
1750.000	1680.00	770.08	0.00	.21	0.00	112.29	20.00
1750.000	3100.00	772.18	2.09	.25	0.00	227.55	20.00
1770.000	820.00	768.32	0.00	.15	0.00	75.20	20.00
1770.000	1390.00	769.69	0.00	.17	0.00	104.22	20.00
1770.000	1680.00	770.26	0.00	.18	0.00	115.86	20.00
1770.000	3100.00	772.38	2.12	.20	0.00	241.37	20.00
1790.000	820.00	768.45	0.00	.13	0.00	78.85	20.00
1790.000	1390.00	769.84	0.00	.15	0.00	107.24	20.00
1790.000	1680.00	770.41	0.00	.15	0.00	118.97	20.00
1790.000	3100.00	772.56	2.14	.17	0.00	251.22	20.00
2340.000	820.00	773.29	0.00	4.84	0.00	251.35	840.00
2340.000	1390.00	774.35	0.00	4.51	0.00	305.55	840.00
2340.000	1680.00	774.79	0.00	4.38	0.00	327.78	840.00
2340.000	3100.00	776.48	1.69	3.93	0.00	423.46	840.00
2389.000	820.00	773.51	0.00	.22	0.00	27.50	49.00
2389.000	1390.00	774.21	0.00	-.14	0.00	27.71	49.00
2389.000	1680.00	774.40	0.00	-.40	0.00	27.76	49.00
2389.000	3100.00	776.64	2.25	.16	0.00	430.46	49.00
2390.000	820.00	773.51	0.00	-.00	0.00	26.67	1.00
2390.000	1390.00	774.20	0.00	-.01	0.00	27.05	1.00
2390.000	1680.00	774.38	0.00	-.02	0.00	27.15	1.00
2390.000	3100.00	775.09	.71	-1.56	0.00	27.54	1.00
2411.000	820.00	773.72	0.00	.21	0.00	26.78	21.00
2411.000	1390.00	774.74	0.00	.55	0.00	27.35	21.00
2411.000	1680.00	775.39	0.00	1.01	0.00	27.63	21.00
2411.000	3100.00	776.90	1.50	1.81	0.00	27.85	21.00
2412.000	820.00	773.75	0.00	.03	0.00	27.57	1.00
2412.000	1390.00	774.83	0.00	.06	0.00	27.89	1.00
2412.000	1680.00	775.64	0.00	.25	0.00	28.00	1.00
2412.000	3100.00	782.11	6.47	5.22	0.00	565.47	1.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	YLCH
2425.000	820.00	773.71	0.00	7.04	0.00	49.68	13.00
2425.000	1390.00	774.86	0.00	.03	0.00	83.21	13.00
2425.000	1680.00	776.01	0.00	.37	0.00	117.57	13.00
2425.000	3100.00	782.07	5.05	2.05	0.00	327.68	13.00
2450.000	820.00	774.15	0.00	.44	0.00	64.91	25.00
2450.000	1390.00	775.70	0.00	.64	0.00	111.91	25.00
2450.000	1680.00	776.55	0.00	.54	0.00	132.26	25.00
2450.000	3100.00	782.10	5.54	.03	0.00	329.87	25.00
2462.000	820.00	774.26	0.00	.13	0.00	68.28	12.00
2462.000	1390.00	775.87	0.00	.17	0.00	116.60	12.00
2462.000	1680.00	776.68	0.00	.12	0.00	154.90	12.00
2462.000	3100.00	782.11	5.43	.01	0.00	330.23	12.00
3250.000	820.00	778.97	0.00	4.69	0.00	141.75	788.00
3250.000	1390.00	780.40	0.00	4.53	0.00	205.83	788.00
3250.000	1680.00	780.89	0.00	4.21	0.00	228.51	788.00
3250.000	3100.00	783.25	2.36	1.14	0.00	296.93	788.00
4320.000	820.00	783.81	0.00	4.85	0.00	221.06	1070.00
4320.000	1390.00	784.90	0.00	4.50	0.00	272.15	1070.00
4320.000	1680.00	785.35	0.00	4.46	0.00	295.41	1070.00
4320.000	3100.00	786.91	1.56	3.66	0.00	318.33	1070.00
4680.000	820.00	785.82	0.00	2.01	0.00	78.79	360.00
4680.000	1390.00	786.87	0.00	1.97	0.00	103.50	360.00
4680.000	1680.00	787.27	0.00	1.93	0.00	112.53	360.00
4680.000	3100.00	788.78	1.50	1.87	0.00	146.98	360.00
4960.000	820.00	788.90	0.00	3.08	0.00	82.13	280.00
4960.000	1390.00	790.27	0.00	3.40	0.00	118.29	280.00
4960.000	1680.00	790.84	0.00	3.57	0.00	125.46	280.00
4960.000	3100.00	792.89	2.05	4.11	0.00	151.15	280.00
5100.000	680.00	790.71	0.00	1.01	0.00	56.06	140.00
5100.000	1150.00	791.87	0.00	1.61	0.00	74.03	140.00
5100.000	1370.00	792.33	0.00	1.49	0.00	81.18	140.00
5100.000	2240.00	794.15	1.81	1.25	0.00	109.14	140.00
5400.000	600.00	795.74	0.00	3.03	0.00	44.94	300.00
5400.000	1150.00	795.16	0.00	3.31	0.00	61.10	300.00
5400.000	1370.00	795.70	0.00	3.37	0.00	67.02	300.00
5400.000	2240.00	797.28	1.50	3.13	0.00	84.58	300.00
6040.000	680.00	801.42	0.00	7.69	0.00	41.51	640.00
6040.000	1150.00	802.82	0.00	7.64	0.00	55.06	640.00
6040.000	1370.00	803.35	0.00	7.55	0.00	60.36	640.00
6040.000	2240.00	805.12	1.77	7.45	0.00	75.94	640.00
7080.000	680.00	812.51	0.00	11.03	0.00	105.75	1040.00
7080.000	1150.00	813.66	0.00	10.84	0.00	198.81	1040.00
7080.000	1370.00	814.00	0.00	10.71	0.00	216.77	1040.00
7080.000	2240.00	815.31	1.22	10.19	0.00	235.23	1040.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
7180.000	680.00	814.43	0.00	1.93	0.00	88.76	200.00
7180.000	1150.00	815.45	0.00	1.79	0.00	120.57	200.00
7180.000	1370.00	815.80	0.00	1.73	0.00	131.46	200.00
7180.000	2240.00	816.88	1.09	1.57	0.00	165.55	200.00
7400.000	680.00	816.07	0.00	1.64	0.00	43.03	120.00
7400.000	1150.00	817.19	0.00	1.74	0.00	71.49	120.00
7400.000	1370.00	817.58	0.00	1.79	0.00	86.08	120.00
7400.000	2240.00	818.77	1.19	1.89	0.00	128.89	120.00
7636.000	680.00	818.41	0.00	2.33	0.00	64.59	236.00
7636.000	1150.00	819.97	0.00	2.78	0.00	119.71	236.00
7636.000	1370.00	820.53	0.00	2.95	0.00	145.58	236.00
7636.000	2240.00	822.10	1.57	3.33	0.00	191.20	236.00
7686.000	680.00	818.91	0.00	.51	0.00	135.35	50.00
7686.000	1150.00	820.55	0.00	.57	0.00	187.36	50.00
7686.000	1370.00	821.10	0.00	.57	0.00	201.26	50.00
7686.000	2240.00	822.66	1.50	.57	0.00	252.25	50.00
7754.000	680.00	821.01	0.00	2.10	0.00	199.15	68.00
7754.000	1150.00	821.90	0.00	1.35	0.00	223.21	68.00
7754.000	1370.00	822.21	0.00	1.11	0.00	234.84	68.00
7754.000	2240.00	823.28	1.07	.61	0.00	275.62	68.00
7766.000	680.00	820.98	0.00	-.03	0.00	159.95	12.00
7766.000	1150.00	821.80	0.00	-.04	0.00	182.59	12.00
7766.000	1370.00	822.16	0.00	-.04	0.00	190.33	12.00
7766.000	2240.00	823.23	1.07	-.05	0.00	217.58	12.00
7778.000	680.00	821.11	0.00	.13	0.00	200.75	12.00
7778.000	1150.00	822.03	0.00	.17	0.00	217.62	12.00
7778.000	1370.00	822.36	0.00	.19	0.00	223.47	12.00
7778.000	2240.00	823.47	1.11	.24	0.00	258.01	12.00
7790.000	680.00	821.18	0.00	.08	0.00	202.12	12.00
7790.000	1150.00	822.11	0.00	.07	0.00	218.70	12.00
7790.000	1370.00	822.43	0.00	.07	0.00	224.66	12.00
7790.000	2240.00	823.54	1.11	.07	0.00	260.25	12.00
7804.000	680.00	821.26	0.00	.08	0.00	203.63	14.00
7804.000	1150.00	822.18	0.00	.08	0.00	220.31	14.00
7804.000	1370.00	822.51	0.00	.08	0.00	226.23	14.00
7804.000	2240.00	823.62	1.11	.08	0.00	263.27	14.00
8010.000	480.00	821.63	0.00	.37	0.00	220.98	206.00
8010.000	820.00	822.60	0.00	.42	0.00	256.11	206.00
8010.000	980.00	822.95	0.00	.44	0.00	269.02	206.00
8010.000	1420.00	824.09	1.14	.47	0.00	287.45	206.00
8197.000	480.00	821.86	0.00	.23	0.00	183.51	187.00
8197.000	820.00	822.84	0.00	.25	0.00	203.24	187.00
8197.000	980.00	823.21	0.00	.26	0.00	210.48	187.00
8197.000	1420.00	824.51	1.11	.22	0.00	246.07	187.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFWSS	TOPWLL	XLOH
* 8227.000	480.00	825.66	0.00	3.81	0.00	258.75	30.00
* 8227.000	820.00	825.68	0.00	2.83	0.00	259.57	30.00
* 8227.000	980.00	825.54	0.00	2.33	0.00	254.56	30.00
* 8227.000	1420.00	825.66	.12	1.35	0.00	258.79	30.00
* 8333.000	480.00	833.25	0.00	4.59	0.00	6.00	106.00
8333.000	820.00	833.04	0.00	7.36	0.00	348.25	106.00
8333.000	980.00	833.25	0.00	7.71	0.00	350.52	106.00
8333.000	1420.00	833.73	.48	8.07	0.00	355.50	106.00
8383.000	480.00	831.51	0.00	1.27	0.00	141.45	50.00
8383.000	820.00	833.03	0.00	-.01	0.00	148.25	50.00
8383.000	980.00	833.24	0.00	-.01	0.00	153.17	50.00
8383.000	1420.00	833.71	.47	-.02	0.00	168.53	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 2390.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2390.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2390.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2411.000 PROFILE= 4 SLOPE TOO STEEP

CAUTION SECNO= 7754.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO= 7754.000 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 8227.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8227.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8227.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8227.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8227.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8227.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8227.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8227.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8227.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8227.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8227.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8227.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8333.000 PROFILE= 1 HYDRAULIC JUMP D.S.