
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR = 01.02
 MODIFICATION = 50,51,52,53

OC 25
 25
 BOOKER CR.

11 ORANGE COUNTY FIA STUDY
 12 BOOKER CREEK, ABOVE CROW BRANCH
 13 10-YR FLOOD MAY 1978 CWF

J1	ICHECK	INQ	NINQ	IDIR	STRT	METRIC	HVINS	Q	NSFL	FG
	0.	2.	0.	0.	0.000000	0.00	0.0	0.	391.300	0.000
J2	BPREF	IPLDI	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	CHNH	ITRAC
	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	4.000	0.000	38.000	1.000	15.000
	14.000	15.000	55.000	26.000	56.000	0.000	150.000	201.000	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
OT	5.000	500.000	1060.000	1400.000	2600.000	1400.000	0.000	0.000	0.000	0.000

CHAPEL HILL EPIS VALLEY SECTION #19

X1	21990.000	18.000	1000.000	1023.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	420.000	667.000	410.000	797.000	400.000	837.000	394.000	857.000	392.000	887.000
GR	390.000	457.000	390.200	1050.000	388.600	1002.000	387.600	1006.000	386.300	1007.000
GR	386.167	1010.000	386.200	1021.000	389.800	1023.000	393.500	1057.000	401.200	1097.000
GR	402.000	1107.000	410.000	1207.000	420.000	1307.000	0.000	0.000	0.000	0.000
X1	22000.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.240	0.000
X1	22010.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.240	0.000
X1	22020.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.240	0.000
X1	22040.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.480	0.000
X1	22100.000	0.000	1000.000	1020.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	408.000	850.000	592.500	900.000	391.500	1000.000	388.600	1005.000	388.600	1015.000
GR	391.500	1020.000	592.500	1050.000	405.000	1100.000	0.000	0.000	0.000	0.000
X1	22125.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.600	0.000
X1	22720.000	17.000	1000.000	1009.000	120.000	120.000	120.000	0.000	0.000	0.000

X1	22200.000	0.000	1000.000	1017.000	75.000	75.000	75.000	0.000	0.000	0.000
GR	410.000	880.000	396.500	930.000	393.000	1000.000	391.000	1003.000	391.000	1013.000
GR	393.000	1017.000	394.500	1070.000	410.000	1125.000	0.000	0.000	0.000	0.000

X1	22212.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	0.300	0.000
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X1	22225.000	0.000	0.000	0.000	13.000	13.000	15.000	0.000	0.300	0.000
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QBK-6 VALLEY

X1	22300.000	10.000	1000.000	1013.000	75.000	75.000	75.000	0.000	0.000	0.000
GR	419.000	891.000	396.800	971.000	396.000	991.000	394.700	1000.000	395.700	1001.000
GR	393.400	1006.000	393.700	1011.000	394.600	1013.000	396.700	1091.000	414.700	1139.000
BT	5.000	380.800	450.000	465.000	520.000	465.000	0.000	0.000	0.000	0.000

X1	22410.000	0.000	0.000	0.000	110.000	110.000	110.000	0.000	1.300	0.000
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QBK-1A TOP OF BLUFF BELOW LAKE ELLEN

X1	22470.000	11.000	1000.000	1023.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	438.300	515.000	433.000	615.000	430.200	715.000	427.500	1000.000	420.700	1008.000
GR	420.300	1012.000	419.800	1016.000	428.000	1023.000	429.200	1115.000	430.900	1215.000
GR	434.200	1315.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	22535.000	17.000	1000.000	1025.000	65.000	65.000	65.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	433.000	433.000	0.000
GR	437.600	510.000	436.100	610.000	433.200	715.000	431.400	1000.000	426.300	1000.100
GR	423.700	1005.000	423.500	1010.000	423.700	1057.000	423.800	1020.000	427.600	1024.900
GR	426.100	1025.000	431.600	1031.000	432.300	1110.000	433.700	1210.000	434.000	1230.000
GR	434.000	1810.000	438.500	1910.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	13.700	0.100	187.000	1.070	424.000	423.500

QBK-1 TAYLOR STREET (LAKE ELLEN DAM)

X1	22565.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	432.300	433.100	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	433.700	433.100	0.000
BT	12.000	510.000	437.600	0.000	610.000	436.100	0.000	880.000	434.000	0.000
BT	1000.000	433.700	0.000	1025.000	435.700	0.000	1080.000	433.700	0.000	1180.000
BT	433.700	0.000	1380.000	433.100	0.000	1480.000	433.100	0.000	1680.000	433.800
BT	0.000	1810.000	434.000	0.000	1910.000	438.500	0.000	0.000	0.000	0.000

X1	22580.000	11.000	1000.000	1014.000	15.000	15.000	15.000	0.000	0.000	0.000
GR	437.500	912.000	434.400	959.000	432.000	991.000	430.500	1000.000	420.100	1002.000
GR	427.800	1007.000	428.000	1012.000	429.300	1014.000	434.100	1034.000	434.700	1042.000
GR	435.200	1115.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	22600.000	9.000	1000.000	1013.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	437.500	912.000	434.000	960.000	430.600	1000.000	429.400	1003.000	420.800	1007.000
GR	429.200	1011.000	429.900	1013.000	434.700	1043.000	435.200	1112.000	0.000	0.000
BT	5.000	560.000	1020.000	1240.000	1910.000	1240.000	0.000	0.000	0.000	0.000

QBK-1E LAKE ELLEN ABOVE DAM

X1	22720.000	17.000	1000.000	1009.000	120.000	120.000	120.000	0.000	0.000	0.000
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GR	437.400	958.000	430.600	1000.000	429.700	1001.000	429.500	1008.000	429.800	1008.000
GR	430.800	1009.000	431.700	1017.000	434.200	1117.000	433.400	1132.000	433.700	1180.000
GR	433.400	1280.000	433.100	1380.000	433.000	1480.000	433.300	1580.000	433.800	1680.000
GR	434.200	1810.000	438.500	1910.000	8.888	8.888	8.888	8.888	8.888	8.888

LAKE ELLEN ABOVE SPILLWAY CHANNEL

X1	22840.000	21.000	1000.000	1010.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	440.200	400.000	438.900	415.000	435.300	442.000	430.700	500.000	429.300	550.000
GR	428.600	500.000	426.000	650.000	425.200	700.000	425.100	750.000	423.300	800.000
GR	423.100	850.000	422.000	900.000	421.800	950.000	421.500	1000.000	420.600	1001.000
GR	420.300	1005.000	420.600	1009.000	421.500	1010.000	422.300	1050.000	432.000	1100.000
GR	440.400	1120.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	22950.000	11.000	1000.000	1010.000	110.000	110.000	110.000	0.000	0.000	0.000
GR	445.000	510.000	432.500	700.000	427.500	800.000	424.000	910.000	423.700	1000.000
GR	422.700	1003.000	422.500	1005.000	422.700	1009.000	423.700	1010.000	424.500	1045.000
GR	445.000	1145.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	23150.000	10.000	1000.000	1010.000	180.000	180.000	180.000	0.000	0.000	0.000
GR	450.000	650.000	435.000	800.000	427.500	925.000	427.100	1000.000	426.200	1001.000
GR	426.000	1005.000	426.200	1009.000	427.100	1010.000	428.000	1045.000	450.000	1150.000

DBK-5 VALLEY AT LAKE ELLEN HEADWATER

X1	23280.000	13.000	1000.000	1010.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	454.900	703.000	450.700	740.000	441.100	803.000	433.200	903.000	430.200	930.000
GR	429.900	1000.000	429.300	1001.000	426.900	1005.000	429.200	1009.000	429.900	1010.000
GR	430.700	1053.000	443.500	1103.000	453.800	115.000	0.000	0.000	0.000	0.000

X1	23500.000	0.000	0.000	0.000	220.000	220.000	220.000	0.000	2.700	0.000
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X1	23750.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.100	0.000
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X1	24000.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	5.100	0.000
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X1	24250.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.000	0.000
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X1	24500.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	5.000	0.000
GI	5.000	280.000	570.000	730.000	1300.000	730.000	0.000	0.000	0.000	0.000

DBK-2 VALLEY BELOW RD HWY 86

X1	24790.000	10.000	1000.000	1018.000	290.000	290.000	290.000	0.000	0.000	0.000
GR	460.200	867.000	450.200	900.000	449.400	967.000	444.400	1000.000	447.700	1002.000
GR	447.400	1010.000	447.300	1018.000	447.700	1018.000	460.700	1067.000	467.900	1101.000

X1	24825.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.000	0.000
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X1	24850.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.000	0.000
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X1	24875.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.000	0.000
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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

T1 ORANGE COUNTY FIA STUDY
 T2 BUCKER CREEK ABV CROW BRANCH
 T3 50-YR FLOOD MAY 1978 CWF

J1 ICHECK INQ MINV IOIR STRT METRIC RVINS O WSEL FO
 -10. 3. 0. 0. 0.00000 0.00 0.0 0. 392.500 0.000

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIR ITRACE
 2.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

*PROF 2

CCHV= 0.200 CEHV= 0.490

*SECNO 21990.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK ELEV
U	QLOB	WCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SBTA
SLOPE	XLUBL	XLCH	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CHAPEL HILL FPIS VALLEY SECTION #19

21990.00	6.40	392.50	0.00	392.50	392.92	0.42	0.00	0.00	390.20
1060.	246.	770.	43.	171.	127.	33.	0.	0.	389.60
0.00	1.44	6.06	1.29	0.120	0.060	0.120	0.000	386.10	879.50
0.007386	0.	0.	0.	0	0	0	0.00	168.31	1047.81

*SECNO 22000.000

22000.00	6.18	392.52	0.00	0.00	393.05	0.52	0.08	0.04	390.44
1060.	215.	806.	39.	145.	122.	28.	0.	0.	390.04
0.00	1.49	6.60	1.37	0.120	0.060	0.120	0.057	386.34	882.76
0.009246	10.	10.	10.	2	0	0	0.00	163.06	1045.82

*SECNO 22010.000

22010.00	5.97	392.55	0.00	0.00	393.20	0.65	0.10	0.05	390.68
1060.	183.	843.	34.	120.	117.	24.	0.	0.	390.28
0.00	1.52	7.19	1.44	0.120	0.060	0.120	0.055	386.58	885.92
0.011574	10.	10.	10.	2	0	0	0.00	157.96	1043.88

*SECNO 22020.000

22020.00	5.78	392.60	392.24	0.00	393.38	0.78	0.13	0.05	390.92
1060.	154.	876.	30.	99.	113.	20.	0.	0.	390.52
0.00	1.56	7.76	1.51	0.120	0.060	0.120	0.055	386.82	893.47
0.014200	10.	10.	10.	4	11	0	0.00	148.64	1042.11

 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR = 01.02
 MODIFICATION = 50,51,52,53

T1 DRANGE COUNTY FIA STUDY
 T2 BOOKER CREEK ABV CROW BRANCH
 T3 100-YR FLOOD MAY 1978 CWF

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS 0 WSEL FU
 -10. 4. 0. 0. 0.00000 0.00 0.0 0. 393.200 0.000

J2 NPROF IPLDT PRFVS XSECV XSECH FN ALLDC IBW CHNIN ITHACE
 3.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

*PROF 3

CCHV= 0.200 CEHV= 0.400

*SECNO 21990.000

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
0	WLOB	QCH	QROB	ALOB	ACH	AROB	VDC	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	NTN	ELMIN	SBTA
SLOPE	XLUBL	XLCH	XLDBR	TIRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CHAPEL HILL FPIS VALLEY SECTION #14

21990.00	7.10	393.20	0.00	393.20	393.59	0.39	0.00	0.00	390.20
1400.	437.	887.	76.	259.	143.	53.	0.	0.	389.80
0.00	1.69	6.20	1.43	0.120	0.060	0.120	0.000	386.10	869.00
0.006583	0.	0.	0.	0	0	0	0.00	185.24	1054.24

*SECNO 22000.000

22000.00	6.88	393.22	0.00	0.00	393.70	0.47	0.07	0.00	390.44
1400.	406.	924.	70.	231.	138.	47.	0.	0.	390.04
0.00	1.76	6.68	1.51	0.120	0.060	0.120	0.055	386.34	872.23
0.008025	10.	10.	10.	2	0	0	0.00	180.04	1052.26

*SECNO 22010.000

22010.00	6.67	393.25	0.00	0.00	393.83	0.57	0.09	0.00	390.68
1400.	373.	962.	65.	204.	133.	41.	0.	0.	390.28
0.00	1.85	7.21	1.59	0.120	0.060	0.120	0.055	386.58	875.38
0.009807	10.	10.	10.	2	0	0	0.00	174.45	1050.33

*SECNO 22020.000

22020.00	6.47	393.29	0.00	0.00	393.96	0.69	0.11	0.00	390.92
1400.	358.	1003.	59.	179.	129.	35.	0.	0.	390.52
0.00	1.89	7.79	1.68	0.120	0.060	0.120	0.055	386.82	878.42
0.011985	10.	10.	10.	2	0	0	0.00	170.05	1048.47

HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR = 01,02

MODIFICATION = 50,51,52,53

T1 ORANGE COUNTY FIA STUDY
 T2 BOOKER CREEK ADV CROW BRANCH
 T3 500-YR FLOOD MAY 1978 CWF

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.000000	0.00	0.0	0.	394.900	0.000

J2	NPRDF	IPL01	PRFVS	XSECV	XSECH	FN	ALLDC	INW	CUNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 4

CCHV= 0.200 CEHV= 0.400

*SECNO 21990.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	BCH	GRDB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CDRAR	TOPHD	ENDST

CHAPEL HILL FTIS VALLEY SECTION #19

21990.00	8.80	394.90	0.00	394.90	395.29	0.39	0.00	0.00	390.20
2600.	1119.	1248.	232.	498.	182.	116.	0.	0.	389.80
0.00	2.25	6.85	2.01	0.120	0.060	0.120	0.000	386.10	854.00
0.005829	0.	0.	0.	0	0	0	0.00	210.27	1064.27

*SECNO 22000.000

22000.00	8.59	394.93	0.00	0.00	395.37	0.44	0.06	0.02	390.44
2600.	1092.	1206.	223.	468.	177.	107.	0.	0.	390.04
0.00	2.33	7.25	2.08	0.120	0.060	0.120	0.055	386.34	854.70
0.006763	10.	10.	10.	2	0	0	0.00	208.88	1063.18

*SECNO 22010.000

22010.00	8.38	394.96	0.00	0.00	395.47	0.51	0.07	0.03	390.58
2600.	1062.	1325.	213.	438.	173.	99.	0.	0.	390.28
0.00	2.43	7.67	2.15	0.120	0.060	0.120	0.055	386.58	855.39
0.007864	10.	10.	10.	2	0	0	0.00	206.72	1062.11

*SECNO 22020.000

22020.00	8.18	395.00	0.00	0.00	395.59	0.59	0.08	0.05	390.92
2600.	1030.	1367.	202.	409.	168.	91.	1.	0.	390.52
0.00	2.52	8.13	2.22	0.120	0.060	0.120	0.055	386.82	856.06
0.009157	10.	10.	10.	2	0	0	0.00	205.01	1061.07

SPECTRUM MODELING SYSTEM
 MODELING SYSTEM FOR
 H

HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR - 01,02

MODIFICATION - 50,51,52,53

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

FLOOD MAY 1978 CWF

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	TOP#ID
21990.000	391.30	391.60	386.10	0.00	112.09
21990.000	392.50	392.92	386.10	0.00	168.31
21990.000	393.20	393.59	386.10	0.00	185.24
21990.000	394.90	395.29	386.10	0.00	210.27
22000.000	391.33	391.69	386.34	0.00	90.71
22000.000	392.52	393.05	386.31	0.00	163.06
22000.000	393.22	393.70	386.34	0.00	170.64
22000.000	394.93	395.37	386.34	0.00	208.48
22010.000	391.37	391.80	386.58	0.00	86.18
22010.000	392.55	393.20	386.58	0.00	157.98
22010.000	393.25	393.83	386.58	0.00	174.95
22010.000	394.96	395.47	386.58	0.00	206.72
22020.000	391.43	391.93	386.82	0.00	74.79
22020.000	392.60	393.38	386.82	0.00	148.64
22020.000	393.29	393.98	386.82	0.00	170.05
22020.000	395.00	395.59	386.82	0.00	205.01
22040.000	391.62	392.23	387.30	0.00	48.03
22040.000	392.77	393.62	387.30	0.00	129.41
22040.000	393.40	394.39	387.30	0.00	161.10
22040.000	395.10	395.88	387.30	0.00	200.62
22100.000	392.56	393.26	388.60	0.00	92.54
22100.000	394.28	394.73	388.60	0.00	158.06
22100.000	394.77	395.26	388.60	0.00	161.82
22100.000	395.96	396.62	388.60	0.00	170.92
22125.000	392.99	393.85	389.20	0.00	81.79
22125.000	394.41	395.16	389.20	0.00	147.73
22125.000	394.92	395.68	389.20	0.00	158.49
22125.000	396.18	397.05	389.20	0.00	168.00
22200.000	394.61	395.28	391.00	0.00	107.37
22200.000	395.78	396.45	391.00	0.00	129.99
22200.000	396.20	396.97	391.00	0.00	140.18
22200.000	397.46	398.38	391.00	0.00	154.08

SECNO	CASEL	EG	ELMIN	ELLC	TUPTW
22212.000	394.91	395.54	391.30	0.00	102.75
22212.000	395.94	396.72	391.30	0.00	126.92
22212.000	396.38	397.25	391.30	0.00	137.24
22212.000	397.66	396.65	391.30	0.00	153.38
22225.000	395.13	395.84	391.60	0.00	100.65
22225.000	396.19	397.01	391.60	0.00	125.62
22225.000	396.65	397.54	391.60	0.00	136.31
22225.000	397.91	398.94	391.60	0.00	153.04
22300.000	396.91	397.31	393.40	0.00	120.99
22300.000	397.98	398.43	393.40	0.00	127.70
22300.000	398.49	398.98	393.40	0.00	130.90
22300.000	399.74	400.43	393.40	0.00	138.75
22410.000	398.37	398.55	394.70	0.00	121.96
22410.000	399.27	399.35	394.70	0.00	127.60
22410.000	399.75	399.81	394.70	0.00	130.62
22410.000	401.18	401.20	394.70	0.00	139.52
* 22470.000	423.79	425.15	419.80	0.00	15.04
* 22470.000	424.17	425.63	419.80	0.00	15.81
* 22470.000	424.23	425.73	419.80	0.00	15.93
* 22470.000	424.48	426.07	419.80	0.00	16.44
22535.000	426.70	427.33	423.50	0.00	23.65
22535.000	427.05	427.73	423.50	0.00	24.10
22535.000	427.13	427.82	423.50	0.00	24.21
22535.000	427.40	428.12	423.50	0.00	24.56
22565.000	426.70	427.68	424.00	432.30	22.81
22565.000	427.05	428.05	424.00	432.30	23.45
22565.000	427.13	428.13	424.00	432.30	23.55
22565.000	427.40	428.42	424.00	432.30	23.91
* 22580.000	431.09	432.30	427.80	0.00	25.68
* 22580.000	431.43	432.72	427.80	0.00	28.89
* 22580.000	431.50	432.80	427.80	0.00	29.54
* 22580.000	431.75	433.09	427.80	0.00	31.91
* 22600.000	432.20	433.17	428.80	0.00	42.69
* 22600.000	432.49	433.50	428.80	0.00	47.24
* 22600.000	432.55	433.56	428.80	0.00	48.07
* 22600.000	432.72	433.79	428.80	0.00	50.84
22720.000	434.07	434.13	429.50	0.00	780.80
22720.000	434.43	434.50	429.50	0.00	839.03
22720.000	434.54	434.61	429.50	0.00	842.34
22720.000	434.86	434.94	429.50	0.00	851.79
22840.000	434.14	434.14	420.30	0.00	648.52
22840.000	434.51	434.51	420.30	0.00	654.03
22840.000	434.63	434.63	420.30	0.00	655.85
22840.000	434.97	434.97	420.30	0.00	660.83

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WASHINGTON, D.C. 20535

SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
22950.000	434.14	434.14	422.50	0.00	417.03
22950.000	434.51	434.51	422.50	0.00	424.43
22950.000	434.63	434.64	422.50	0.00	426.87
22950.000	434.97	434.97	422.50	0.00	433.56
23130.000	434.15	434.15	426.00	0.00	260.08
23130.000	434.52	434.53	426.00	0.00	268.04
23130.000	434.65	434.66	426.00	0.00	270.68
23130.000	434.99	435.03	426.00	0.00	278.11
23280.000	434.17	434.19	428.90	0.00	175.74
23280.000	434.59	434.64	428.90	0.00	182.79
23280.000	434.74	434.81	428.90	0.00	185.28
23280.000	435.18	435.31	428.90	0.00	192.49
23500.000	434.55	434.71	431.60	0.00	142.41
23500.000	435.37	435.58	431.60	0.00	152.06
23500.000	435.70	435.93	431.60	0.00	157.14
23500.000	436.57	436.85	431.60	0.00	170.91
23750.000	437.13	437.87	434.70	0.00	143.26
23750.000	438.52	438.72	434.70	0.00	153.53
23750.000	438.84	439.06	434.70	0.00	157.61
23750.000	439.66	439.94	434.70	0.00	170.52
24000.000	440.74	440.94	437.80	0.00	142.85
24000.000	441.59	441.80	437.80	0.00	153.26
24000.000	441.92	442.15	437.80	0.00	157.48
24000.000	442.76	443.04	437.80	0.00	170.77
24250.000	443.83	443.98	440.80	0.00	143.42
24250.000	444.64	444.83	440.80	0.00	153.82
24250.000	444.98	445.18	440.80	0.00	158.00
24250.000	445.80	446.07	440.80	0.00	171.52
24500.000	446.81	446.96	443.80	0.00	143.13
24500.000	447.62	447.82	443.80	0.00	153.61
24500.000	447.95	448.17	443.80	0.00	157.82
24500.000	448.80	449.07	443.80	0.00	171.16
24790.000	450.14	450.50	447.30	0.00	67.24
24790.000	451.08	451.54	447.30	0.00	75.22
24790.000	451.44	451.97	447.30	0.00	78.55
24790.000	452.43	453.22	447.30	0.00	87.54
24825.000	450.81	451.16	448.10	0.00	62.45
24825.000	451.53	452.20	448.10	0.00	72.05
24825.000	451.91	452.65	448.10	0.00	75.46
24825.000	452.99	453.92	448.10	0.00	85.20
24850.000	451.19	451.75	448.70	0.00	62.52
24850.000	452.05	452.78	448.70	0.00	71.47
24850.000	452.42	453.22	448.70	0.00	74.77
24850.000	453.48	454.69	448.70	0.00	84.25

SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
24875.000	451.79	452.35	449.30	0.00	62.17
24875.000	452.63	453.38	449.30	0.00	71.29
24875.000	453.00	453.82	449.30	0.00	74.54
24875.000	454.04	455.09	449.30	0.00	83.78
24900.000	452.40	452.96	449.90	0.00	62.54
24900.000	453.23	453.98	449.90	0.00	71.21
24900.000	453.59	454.42	449.90	0.00	74.43
24900.000	454.64	455.69	449.90	0.00	83.76
25000.000	454.79	455.35	452.30	0.00	62.26
25000.000	455.65	456.38	452.30	0.00	71.43
25000.000	456.01	456.83	452.30	0.00	74.59
25000.000	457.03	458.08	452.30	0.00	83.73
25125.000	457.79	458.35	455.30	0.00	62.28
25125.000	458.63	459.38	455.30	0.00	71.17
25125.000	458.99	459.62	455.30	0.00	74.49
25125.000	460.03	461.08	455.30	0.00	83.72
25250.000	460.79	461.36	458.30	0.00	62.21
25250.000	461.65	462.38	458.30	0.00	71.47
25250.000	462.00	462.81	458.30	0.00	74.57
25250.000	463.03	464.08	458.30	0.00	83.79
25400.000	464.39	464.95	461.90	0.00	62.55
25400.000	465.22	465.98	461.90	0.00	71.15
25400.000	465.59	466.41	461.90	0.00	74.47
25400.000	466.62	467.68	461.90	0.00	83.68
25450.000	465.58	466.15	463.10	0.00	62.25
25450.000	466.45	467.18	463.10	0.00	71.42
25450.000	466.79	467.62	463.10	0.00	74.44
25450.000	467.83	468.89	463.10	0.00	83.70
25500.000	466.79	467.35	464.50	0.00	62.24
25500.000	467.63	468.38	464.50	0.00	71.26
25500.000	468.01	468.82	464.50	0.00	74.61
25500.000	469.04	470.08	464.50	0.00	83.82
25550.000	467.99	468.55	465.50	0.00	62.32
25550.000	468.84	469.58	465.50	0.00	71.26
25550.000	469.20	470.01	465.50	0.00	74.60
25550.000	470.23	471.27	465.50	0.00	83.82
* 25605.000	470.40	471.52	467.40	0.00	15.00
* 25605.000	471.74	473.53	467.40	0.00	15.00
* 25605.000	472.38	474.49	467.40	0.00	15.00
* 25605.000	474.36	477.43	467.40	0.00	15.00
25655.000	472.90	473.40	467.80	473.80	15.00
25655.000	473.13	474.22	467.80	473.80	15.00
25655.000	475.01	476.11	467.80	473.80	97.96
25655.000	477.81	477.85	467.80	473.80	210.42

SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
25700.000	473.65	473.71	468.50	0.00	108.01
25700.000	474.67	474.77	468.50	0.00	135.58
25700.000	476.14	476.19	468.50	0.00	164.03
25700.000	477.04	477.41	468.50	0.00	196.69
25770.000	473.77	473.94	469.70	0.00	78.64
25770.000	474.84	475.08	469.70	0.00	107.73
25770.000	476.21	476.33	469.70	0.00	142.31
25770.000	477.92	478.04	469.70	0.00	175.02

SPECIFIC TO: 1001
 MODEL: 1001
 DATE: 10/1/1971
 BY: [illegible]

FLOOD MAY 1978 CWF

SUMMARY PRINTOUT

SECNO	CWSEL	DLMB	WCH	GRUB	VLOB	VCH	VROB
21990.000	391.30	35.24	456.70	8.06	0.76	4.59	0.78
21990.000	392.50	246.21	770.42	43.37	1.44	6.06	1.29
21990.000	393.20	436.96	587.30	75.72	1.69	6.20	1.43
21990.000	394.90	1119.42	1246.50	232.08	2.25	6.85	2.01
22000.000	391.33	23.06	470.92	6.02	0.13	4.98	0.79
22000.000	392.52	214.95	806.24	38.60	1.49	6.60	1.37
22000.000	393.22	405.93	923.85	70.22	1.76	6.60	1.51
22000.000	394.93	1091.62	1285.80	222.59	2.33	7.25	2.08
22010.000	391.37	13.14	482.58	4.28	0.66	5.56	0.79
22010.000	392.55	182.51	843.21	34.28	1.52	7.19	1.44
22010.000	393.25	372.82	962.47	64.70	1.83	7.21	1.59
22010.000	394.96	1061.95	1325.34	212.71	2.43	7.67	2.15
22020.000	391.43	5.67	491.22	2.91	0.53	5.72	0.77
22020.000	392.60	154.04	875.98	29.99	1.56	7.76	1.51
22020.000	393.29	338.13	1002.62	59.25	1.89	7.79	1.68
22020.000	395.00	1030.49	1367.05	202.46	2.52	8.13	2.22
22040.000	391.62	0.76	498.00	1.24	0.35	6.28	0.64
22040.000	392.77	111.36	925.54	23.10	1.61	8.75	1.60
22040.000	393.40	267.72	1083.32	48.96	1.98	9.01	1.85
22040.000	395.10	963.76	1455.32	180.92	2.72	9.13	2.35
22100.000	392.56	24.81	455.98	12.22	1.11	7.05	1.15
22100.000	394.28	244.97	664.67	150.16	1.61	6.72	2.02
22100.000	394.77	397.13	788.05	214.82	1.96	7.24	2.30
22100.000	395.96	952.45	1200.61	446.94	2.89	9.03	3.12
22125.000	392.99	17.31	469.71	12.98	1.11	7.68	1.11
22125.000	394.41	187.53	739.76	132.71	1.75	8.24	2.30
22125.000	394.92	332.98	866.54	200.48	2.11	8.66	2.62
22125.000	396.18	696.52	1269.34	434.14	3.11	10.14	3.43
22200.000	394.81	45.17	360.61	86.22	1.37	6.37	1.53
22200.000	395.78	156.06	620.49	283.46	2.03	6.37	2.57
22200.000	396.20	236.15	753.13	408.72	2.52	9.24	3.02
22200.000	397.46	634.26	1123.60	842.13	3.31	10.92	3.97
22212.000	394.91	38.78	589.81	71.41	1.49	7.16	1.56
22212.000	395.94	148.41	637.83	273.76	2.12	8.27	2.67
22212.000	396.58	229.15	770.88	399.97	2.41	9.71	3.12
22212.000	397.66	621.77	1139.90	838.33	3.37	11.26	4.06
22225.000	395.13	35.91	399.88	64.21	1.54	7.55	1.56
22225.000	396.19	145.12	645.53	269.35	2.17	9.09	2.71
22225.000	396.65	226.24	776.76	397.00	2.45	9.87	3.16
22225.000	397.91	615.46	1146.16	836.38	3.40	11.43	4.11
22300.000	396.91	40.05	278.53	181.42	1.64	6.65	1.84
22300.000	397.98	136.37	434.22	469.40	2.35	7.78	2.66
22300.000	398.49	201.49	520.10	678.40	2.67	8.33	3.00
22300.000	399.74	482.52	813.67	1341.80	3.62	10.36	4.04

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
22410.000	398.37	33.78	200.09	146.12	1.16	4.56	1.32
22410.000	399.27	57.66	184.96	207.38	1.00	3.33	1.13
22410.000	399.75	66.36	174.10	224.54	0.90	2.81	1.01
22410.000	401.18	89.56	161.03	269.41	0.70	2.00	0.79
* 22470.000	423.79	0.00	360.00	0.00	0.00	9.38	0.00
* 22470.000	424.17	0.00	450.00	0.00	0.00	9.71	0.00
* 22470.000	424.23	0.00	465.00	0.00	0.00	9.82	0.00
* 22470.000	424.48	0.00	520.00	0.00	0.00	10.12	0.00
22535.000	426.70	0.00	380.00	0.00	0.00	6.39	0.00
22535.000	427.05	0.00	450.00	0.00	0.00	6.64	0.00
22535.000	427.13	0.00	465.00	0.00	0.00	6.67	0.00
22535.000	427.40	0.00	520.00	0.00	0.00	6.81	0.00
22565.000	426.70	0.00	380.00	0.00	0.00	7.94	0.00
22565.000	427.05	0.00	450.00	0.00	0.00	8.05	0.00
22565.000	427.13	0.00	465.00	0.00	0.00	8.04	0.00
22565.000	427.40	0.00	520.00	0.00	0.00	8.09	0.00
* 22560.000	431.09	2.11	363.40	14.48	1.26	9.00	2.16
* 22560.000	431.43	5.23	422.55	22.19	1.55	9.37	2.34
* 22560.000	431.50	6.11	434.89	23.99	1.60	9.44	2.38
* 22560.000	431.75	9.67	478.94	31.18	1.77	9.66	2.49
* 22600.000	432.20	22.88	317.89	39.23	1.87	8.55	2.36
* 22600.000	432.49	34.61	363.10	52.29	2.03	8.87	2.49
* 22600.000	432.55	37.16	372.75	55.08	2.06	8.96	2.52
* 22600.000	432.72	46.84	407.75	65.43	2.18	9.29	2.63
22720.000	434.07	38.92	140.69	380.40	1.05	3.61	0.69
22720.000	434.43	57.46	182.18	780.37	1.27	4.31	0.93
22720.000	434.54	66.15	201.99	971.85	1.36	4.67	1.04
22720.000	434.86	89.90	248.17	1571.93	1.60	5.38	1.32
22840.000	434.14	446.22	31.41	82.36	0.10	0.23	0.10
22840.000	434.51	813.78	56.21	150.01	0.17	0.40	0.17
22840.000	434.63	989.69	67.95	182.35	0.20	0.48	0.20
22840.000	434.97	1526.07	103.11	280.02	0.30	0.72	0.30
22950.000	434.14	410.74	48.60	100.66	0.18	0.43	0.17
22950.000	434.51	750.05	86.81	183.14	0.31	0.74	0.30
22950.000	434.63	912.55	100.87	222.58	0.37	0.88	0.36
22950.000	434.97	1408.56	158.84	342.60	0.55	1.30	0.53
23130.000	434.13	349.89	79.11	131.00	0.40	1.00	0.41
23130.000	434.52	640.23	140.53	239.23	0.67	1.69	0.69
23130.000	434.65	779.47	169.48	291.05	0.80	2.01	0.82
23130.000	434.99	1205.44	255.36	449.19	1.16	2.91	1.19
23280.000	434.17	304.35	99.37	155.78	0.84	2.00	0.82
23280.000	434.59	558.84	174.86	286.30	1.37	3.23	1.34
23280.000	434.74	641.19	209.85	348.97	1.60	3.77	1.57
23280.000	435.18	1056.64	312.17	540.99	2.21	5.20	2.17

FIELD NO. 0000000000
 SECNO 22410
 CWSEL 398.37
 QLOB 33.78
 QCH 200.09
 QROB 146.12
 VLOB 1.16
 VCH 4.56
 VROB 1.32

SECRU	CRSEL	QLOB	QCH	QROB	VLQB	VCH	VROB
23500.000	434.55	284.30	144.40	131.30	2.05	5.39	1.89
23500.000	435.37	534.47	220.52	265.01	2.54	6.52	2.43
23500.000	435.70	655.22	254.65	330.13	2.71	6.66	2.61
23500.000	436.57	1031.66	351.05	527.29	3.13	7.47	3.04
23750.000	437.73	285.31	141.78	132.90	1.98	5.16	1.83
23750.000	438.52	535.23	216.64	266.13	2.49	6.17	2.38
23750.000	438.84	655.76	253.34	330.64	2.60	6.57	2.58
23750.000	439.66	1031.11	351.95	526.93	3.16	7.53	3.06
24000.000	440.79	284.83	145.01	132.15	2.01	5.27	1.86
24000.000	441.59	534.92	219.40	265.68	2.51	6.23	2.40
24000.000	441.92	655.61	253.71	330.68	2.69	6.59	2.59
24000.000	442.76	1031.46	351.38	527.16	3.14	7.49	3.05
24250.000	443.83	285.50	141.50	133.20	1.96	5.12	1.82
24250.000	444.64	535.55	217.64	266.61	2.47	6.11	2.36
24250.000	444.96	656.21	252.28	331.52	2.65	6.49	2.56
24250.000	445.80	1032.23	350.11	527.66	3.11	7.41	3.02
24500.000	446.61	285.16	142.17	132.67	1.99	5.20	1.84
24500.000	447.62	535.31	218.42	266.26	2.48	6.16	2.37
24500.000	447.95	656.00	252.76	331.23	2.66	6.52	2.57
24500.000	448.80	1032.00	350.48	527.52	3.12	7.44	3.03
24790.000	450.19	31.44	230.88	17.62	1.10	4.94	1.51
24790.000	451.08	127.20	400.52	42.28	1.92	6.39	1.97
24790.000	451.44	186.28	486.40	57.31	2.24	7.01	2.17
24790.000	452.43	409.55	773.76	116.29	3.12	8.88	2.76
24825.000	450.61	14.17	249.90	15.93	1.01	6.27	1.91
24825.000	451.53	105.77	424.38	39.84	2.09	7.53	2.32
24825.000	451.91	164.75	510.86	54.38	2.45	8.08	2.50
24825.000	452.99	394.17	792.92	112.91	3.31	9.57	2.97
24850.000	451.19	13.71	250.41	15.86	1.01	6.31	1.92
24850.000	452.05	101.28	429.35	39.37	2.12	7.79	2.40
24850.000	452.42	159.34	516.95	53.71	2.50	8.36	2.58
24850.000	453.48	386.55	802.07	111.38	3.40	9.92	3.06
24875.000	451.79	13.13	251.05	15.82	1.00	6.36	1.94
24875.000	452.63	94.86	430.90	39.23	2.13	7.67	2.42
24875.000	453.00	157.45	519.06	53.49	2.51	8.46	2.61
24875.000	454.04	382.68	806.68	110.64	3.44	10.09	3.13
24900.000	452.40	15.76	250.35	15.89	1.01	6.31	1.92
24900.000	453.23	99.27	431.36	39.17	2.13	7.90	2.45
24900.000	453.59	156.55	520.07	53.38	2.52	8.51	2.63
24900.000	454.64	382.54	806.85	110.61	3.45	10.10	3.13
25000.000	454.79	13.46	250.68	15.85	1.00	6.33	1.93
25000.000	455.65	100.96	429.69	39.34	2.12	7.80	2.40
25000.000	456.01	157.88	516.58	53.54	2.51	8.44	2.60
25000.000	457.03	382.25	807.19	110.55	3.45	10.11	3.14

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WASHINGTON, D.C. 20535

SECNO	CASEL	QLOB	UCH	QROB	VLOB	VCH	VR0B
23500.000	434.55	284.30	144.40	131.30	2.05	5.39	1.89
23500.000	435.37	534.47	220.52	265.01	2.54	6.32	2.43
23500.000	435.70	655.22	254.65	330.13	2.71	6.66	2.61
23500.000	436.57	1031.66	351.05	527.29	3.13	7.47	3.04
23750.000	437.73	285.31	141.78	132.90	1.98	5.16	1.85
23750.000	438.52	535.23	218.64	266.13	2.49	6.17	2.38
23750.000	438.84	655.76	253.34	330.89	2.68	6.57	2.58
23750.000	439.65	1031.11	351.95	526.93	3.16	7.53	3.06
24000.000	440.79	284.83	143.01	132.15	2.01	5.27	1.86
24000.000	441.59	534.92	219.40	265.68	2.51	6.23	2.40
24000.000	441.92	655.61	253.71	330.68	2.69	6.59	2.50
24000.000	442.76	1031.46	351.38	527.16	3.14	7.49	3.03
24250.000	443.83	285.50	141.30	133.20	1.96	5.12	1.82
24250.000	444.64	535.55	217.84	266.61	2.47	6.11	2.36
24250.000	444.96	656.21	252.28	331.52	2.65	6.49	2.56
24250.000	445.80	1032.23	350.11	527.66	3.11	7.41	3.02
24500.000	446.81	285.16	142.17	132.67	1.99	5.20	1.84
24500.000	447.62	535.31	218.42	266.26	2.48	6.16	2.37
24500.000	447.95	656.00	252.76	331.23	2.66	6.52	2.57
24500.000	448.80	1032.00	350.48	527.52	3.12	7.44	3.03
24790.000	450.19	31.49	230.88	17.67	1.10	4.94	1.51
24790.000	451.08	127.20	400.52	42.28	1.92	6.39	1.97
24790.000	451.44	186.28	486.40	57.51	2.24	7.01	2.17
24790.000	452.43	409.95	773.76	117.29	3.12	8.88	2.76
24825.000	450.61	14.17	249.90	15.93	1.01	6.27	1.91
24825.000	451.53	105.77	424.38	39.84	2.09	7.53	2.32
24825.000	451.91	164.75	510.86	54.38	2.45	8.08	2.50
24825.000	452.99	394.17	792.92	112.91	3.31	9.57	2.97
24850.000	451.19	13.71	250.41	15.86	1.01	6.31	1.92
24850.000	452.05	101.28	429.35	39.57	2.12	7.79	2.40
24850.000	452.42	159.34	516.95	53.71	2.50	8.36	2.58
24850.000	453.48	386.55	802.07	111.38	3.40	9.92	3.08
24875.000	451.79	13.13	251.05	15.82	1.00	6.36	1.94
24875.000	452.63	99.86	430.90	39.23	2.13	7.67	2.42
24875.000	453.00	157.45	519.06	53.49	2.51	8.46	2.61
24875.000	454.04	382.68	806.68	110.64	3.44	10.09	3.13
24900.000	452.40	13.76	250.35	15.89	1.01	6.31	1.92
24900.000	453.23	99.27	431.56	39.17	2.13	7.90	2.43
24900.000	453.59	156.55	520.07	53.38	2.52	8.51	2.63
24900.000	454.64	382.54	806.85	110.61	3.45	10.10	3.13
25000.000	454.79	13.46	250.86	15.85	1.00	6.33	1.93
25000.000	455.65	100.96	429.69	39.34	2.12	7.80	2.40
25000.000	456.01	157.88	516.58	53.54	2.51	8.44	2.60
25000.000	457.03	382.25	807.19	110.55	3.45	10.11	3.14

SECNO	LWSFL	BLUB	NCH	GRDB	VLDH	VCH	VHOB
25125.000	457.79	13.55	250.59	15.86	1.00	6.33	1.93
25125.000	458.63	96.92	431.54	39.14	2.13	7.92	2.44
25125.000	458.99	157.01	519.58	55.43	2.52	8.49	2.62
25125.000	460.03	382.18	807.29	110.54	3.45	10.11	3.14
25250.000	460.79	13.29	250.87	15.84	1.00	6.35	1.94
25250.000	461.65	101.32	429.30	39.38	2.12	7.78	2.46
25250.000	462.00	157.71	518.77	55.52	2.51	8.45	2.61
25250.000	463.03	382.76	806.59	110.65	3.44	10.09	3.13
25400.000	464.39	13.79	250.32	15.89	1.01	6.30	1.92
25400.000	465.22	98.79	432.09	39.12	2.13	7.93	2.44
25400.000	465.59	156.91	519.87	55.42	2.52	8.49	2.62
25400.000	466.62	381.80	807.74	110.47	3.46	10.13	3.14
25450.000	465.58	13.42	250.73	15.85	1.00	6.34	1.93
25450.000	466.45	100.94	429.72	39.34	2.12	7.81	2.40
25450.000	466.79	156.63	519.98	55.39	2.52	8.51	2.62
25450.000	467.83	381.98	807.52	110.50	3.45	10.12	3.14
25500.000	466.79	13.39	250.76	15.85	1.00	6.34	1.93
25500.000	467.63	99.65	431.14	39.21	2.13	7.86	2.42
25500.000	468.01	156.05	518.39	55.56	2.51	8.43	2.60
25500.000	469.04	363.02	806.27	110.70	3.44	10.07	3.13
25550.000	467.99	13.69	250.43	15.88	1.01	6.31	1.92
25550.000	468.84	99.69	431.10	39.21	2.13	7.88	2.42
25550.000	469.20	157.93	518.52	55.59	2.51	8.44	2.60
25550.000	470.23	363.01	806.27	110.70	3.44	10.07	3.13
25605.000	470.40	0.00	280.00	0.00	0.00	6.50	0.00
25605.000	471.74	0.00	570.00	0.00	0.00	10.75	0.00
25605.000	472.36	0.00	730.00	0.00	0.00	11.65	0.00
25605.000	473.36	0.00	1500.00	0.00	0.00	19.06	0.00
25655.000	472.90	0.00	280.00	0.00	0.00	5.66	0.00
25655.000	473.13	0.00	570.00	0.00	0.00	8.37	0.00
25655.000	476.01	0.00	360.96	369.04	0.00	3.25	1.41
25655.000	477.21	408.70	371.12	442.10	1.07	2.69	1.28
25700.000	473.65	108.16	139.05	32.79	0.93	2.56	0.58
25700.000	474.67	231.75	239.61	98.65	1.33	3.60	0.90
25700.000	476.14	297.32	244.42	186.26	1.08	2.90	0.89
25700.000	477.84	532.81	356.72	408.47	1.27	3.43	1.10
25770.000	473.77	94.15	171.29	14.57	1.43	4.15	0.79
25770.000	474.84	220.00	283.59	66.41	1.90	5.23	1.14
25770.000	476.21	296.98	289.23	143.78	1.51	4.10	1.09
25770.000	477.92	530.53	405.24	364.43	1.65	4.45	1.43

25605

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FLOOD MAY 1978 CWF

SUMMARY PRINTOUT TABLE 150

SECNO	ALCK	ELTRD	ELLC	ELMIN	U	CWBEL	CRWS	EG	10K*5	VCH	AREA	.01K
21990.000	0.00	0.00	0.00	386.10	500.00	391.30	0.00	391.60	58.70	4.59	156.08	65.26
21990.000	0.00	0.00	0.00	386.10	1060.00	392.50	0.00	392.92	73.86	6.06	331.12	123.34
21995.000	0.00	0.00	0.00	386.10	1400.00	393.20	0.00	393.59	65.83	6.20	454.66	172.55
21990.000	0.00	0.00	0.00	386.10	2600.00	394.90	0.00	395.29	58.29	6.55	790.09	340.55
22000.000	10.00	0.00	0.00	386.34	500.00	391.33	0.00	391.69	73.81	4.98	133.71	58.20
22000.000	10.00	0.00	0.00	386.34	1060.00	392.52	0.00	393.05	92.46	6.50	295.14	110.24
22000.000	10.00	0.00	0.00	386.34	1400.00	393.22	0.00	393.70	80.25	6.68	415.54	156.28
22000.000	10.00	0.00	0.00	386.34	2600.00	394.93	0.00	395.37	67.63	7.25	752.02	316.10
22010.000	10.00	0.00	0.00	386.58	500.00	391.37	0.00	391.80	91.43	5.36	115.32	52.29
22010.000	10.00	0.00	0.00	386.58	1060.00	392.55	0.00	393.20	115.74	7.19	261.34	98.55
22010.000	10.00	0.00	0.00	386.58	1400.00	393.25	0.00	393.83	98.07	7.21	378.23	141.57
22010.000	10.00	0.00	0.00	386.58	2600.00	394.96	0.00	395.47	78.64	7.67	709.24	293.20
22020.000	10.00	0.00	0.00	386.82	500.00	391.43	0.00	391.93	110.88	5.72	100.79	47.40
22020.000	10.00	0.00	0.00	386.82	1060.00	392.60	392.24	393.38	142.00	7.76	231.67	88.95
22020.000	10.00	0.00	0.00	386.82	1400.00	393.29	0.00	393.98	119.83	7.79	343.27	127.89
22020.000	10.00	0.00	0.00	386.82	2600.00	395.00	0.00	395.59	91.57	8.13	667.93	271.70
22040.000	20.00	0.00	0.00	387.30	500.00	391.62	0.00	392.23	148.33	6.28	83.32	41.05
22040.000	20.00	0.00	0.00	387.30	1060.00	392.77	392.75	393.82	190.35	8.75	189.26	75.65
22040.000	20.00	0.00	0.00	387.30	1400.00	393.40	393.35	394.39	175.71	9.91	282.09	105.62
22040.000	20.00	0.00	0.00	387.30	2600.00	395.10	0.00	395.88	124.04	9.13	590.53	233.45
22100.000	60.00	0.00	0.00	388.60	500.00	392.56	392.29	393.26	197.50	7.05	103.77	36.52
22100.000	60.00	0.00	0.00	388.60	1060.00	394.28	0.00	394.73	96.54	6.72	325.68	107.88
22100.000	60.00	0.00	0.00	388.60	1400.00	394.77	0.00	395.26	98.55	7.24	405.23	141.02
22100.000	60.00	0.00	0.00	388.60	2600.00	395.96	0.00	396.62	117.64	9.03	665.20	259.71
22125.000	25.00	0.00	0.00	389.20	500.00	392.49	392.91	393.85	239.50	7.68	88.43	32.51
22125.000	25.00	0.00	0.00	389.20	1060.00	394.41	0.00	395.16	165.44	8.24	254.45	82.41
22125.000	25.00	0.00	0.00	389.20	1400.00	394.92	0.00	395.68	157.88	8.66	334.65	111.42
22125.000	25.00	0.00	0.00	389.20	2600.00	396.18	0.00	397.05	160.59	10.14	539.66	205.17
22200.000	75.00	0.00	0.00	391.00	500.00	394.81	0.00	395.28	140.57	6.57	147.21	42.17
22200.000	75.00	0.00	0.00	391.00	1060.00	395.78	0.00	396.45	173.86	8.37	261.19	80.59
22200.000	75.00	0.00	0.00	391.00	1400.00	396.20	0.00	396.97	186.88	9.24	319.64	102.41
22200.000	75.00	0.00	0.00	391.00	2600.00	397.46	0.00	398.38	191.38	10.92	506.92	187.94
22212.000	12.00	0.00	0.00	391.50	500.00	394.91	394.65	395.54	192.01	7.16	126.41	36.03
22212.000	12.00	0.00	0.00	391.50	1060.00	395.94	0.00	396.72	203.28	8.67	244.44	74.35
22212.000	12.00	0.00	0.00	391.50	1400.00	396.38	0.00	397.25	213.76	9.71	302.35	95.76
22212.000	12.00	0.00	0.00	391.50	2600.00	397.66	0.00	398.65	207.87	11.26	492.02	180.34
22225.000	15.00	0.00	0.00	391.60	500.00	395.13	395.12	395.84	221.60	7.55	117.51	33.59
22225.000	15.00	0.00	0.00	391.60	1060.00	396.19	0.00	397.01	217.53	9.09	257.47	71.87
22225.000	15.00	0.00	0.00	391.60	1400.00	396.65	0.00	397.54	223.50	9.87	296.91	93.69
22225.000	15.00	0.00	0.00	391.60	2600.00	397.91	0.00	398.94	215.59	11.43	484.74	176.67
22300.000	75.00	0.00	0.00	393.40	500.00	396.91	0.00	397.51	161.11	6.65	165.07	39.39
22300.000	75.00	0.00	0.00	393.40	1060.00	397.98	0.00	398.43	150.64	7.78	298.05	86.56
22300.000	75.00	0.00	0.00	393.40	1400.00	398.49	0.00	398.98	188.56	8.33	364.11	114.86
22300.000	75.00	0.00	0.00	393.40	2600.00	399.70	0.00	400.83	184.85	10.56	532.86	200.04

SECNO	XLCH	ELTRD	ELLC	ELMIN	U	CWSEL	CRIMS	EG	10K*5	VEN	AREA	.01K
22410.000	110.00	0.00	0.00	394.70	380.00	398.37	0.00	398.55	71.13	4.56	183.83	45.06
22410.000	110.00	0.00	0.00	394.70	450.00	399.27	0.00	399.35	27.66	3.33	296.07	85.56
22410.000	110.00	0.00	0.00	394.70	465.00	399.75	0.00	399.81	17.18	2.81	358.21	112.19
22410.000	110.00	0.00	0.00	394.70	520.00	401.18	0.00	401.20	6.15	2.00	550.01	209.63
* 22470.000	60.00	0.00	0.00	419.80	380.00	423.79	423.79	425.15	486.79	9.38	40.51	17.19
* 22470.000	60.00	0.00	0.00	419.80	450.00	424.17	424.17	425.63	472.71	9.71	46.35	20.70
* 22470.000	60.00	0.00	0.00	419.80	465.00	424.23	424.23	425.73	476.57	9.82	47.33	21.30
* 22470.000	60.00	0.00	0.00	419.80	520.00	424.48	424.48	426.07	476.07	10.12	51.37	23.83
22535.000	65.00	0.00	0.00	423.50	380.00	426.78	0.00	427.33	217.25	6.39	59.47	25.78
22535.000	65.00	0.00	0.00	423.50	450.00	427.05	0.00	427.73	206.42	6.64	67.79	31.32
22535.000	65.00	0.00	0.00	423.50	465.00	427.13	0.00	427.82	202.58	6.67	69.74	32.67
22535.000	65.00	0.00	0.00	423.50	520.00	427.40	0.00	428.12	193.66	6.81	76.40	37.37
22565.000	30.00	433.10	432.30	424.00	380.00	426.70	0.00	427.68	415.01	7.44	47.07	18.05
22565.000	30.00	433.10	432.30	424.00	450.00	427.05	0.00	428.05	366.29	8.05	55.93	23.51
22565.000	30.00	433.10	432.30	424.00	465.00	427.13	0.00	428.13	353.69	8.04	57.83	24.73
22565.000	30.00	433.10	432.30	424.00	520.00	427.40	0.00	428.42	322.32	8.04	64.30	28.96
* 22580.000	15.00	0.00	0.00	427.80	380.00	431.09	431.09	432.30	364.42	9.00	46.76	19.91
* 22580.000	15.00	0.00	0.00	427.80	450.00	431.43	431.43	432.72	340.30	9.37	58.00	24.39
* 22580.000	15.00	0.00	0.00	427.80	465.00	431.50	431.50	432.80	336.01	9.44	60.00	25.37
* 22580.000	15.00	0.00	0.00	427.80	520.00	431.75	431.75	433.09	318.92	9.66	67.72	29.12
* 22600.000	20.00	0.00	0.00	428.80	380.00	432.20	432.20	433.17	306.56	8.55	66.03	21.70
* 22600.000	20.00	0.00	0.00	428.80	450.00	432.49	432.49	433.50	290.21	8.07	79.01	26.42
* 22600.000	20.00	0.00	0.00	428.80	465.00	432.55	432.55	433.56	289.53	8.96	81.50	27.33
* 22600.000	20.00	0.00	0.00	428.80	520.00	432.72	432.72	433.79	289.82	9.29	90.20	30.55
22720.000	120.00	0.00	0.00	429.50	560.00	434.07	0.00	434.13	34.76	3.61	630.59	94.72
22720.000	120.00	0.00	0.00	429.50	1020.00	434.43	0.00	434.50	44.82	4.31	929.97	152.36
22720.000	120.00	0.00	0.00	429.50	1240.00	434.54	0.00	434.61	50.92	4.67	1024.54	173.78
22720.000	120.00	0.00	0.00	429.50	1910.00	434.86	0.00	434.94	61.95	5.38	1296.38	242.66
22840.000	120.00	0.00	0.00	420.30	560.00	434.14	0.00	434.14	0.03	0.23	5602.02	3257.80
22840.000	120.00	0.00	0.00	420.30	1020.00	434.51	0.00	434.51	0.09	0.40	5841.55	3466.53
22840.000	120.00	0.00	0.00	420.30	1240.00	434.63	0.00	434.63	0.12	0.48	5920.86	3536.83
22840.000	120.00	0.00	0.00	420.30	1910.00	434.97	0.00	434.97	0.26	0.72	6139.84	3732.66
22950.000	110.00	0.00	0.00	422.50	560.00	434.14	0.00	434.14	0.13	0.43	2977.20	1567.25
22950.000	110.00	0.00	0.00	422.50	1020.00	434.51	0.00	434.51	0.37	0.74	3132.28	1665.09
22950.000	110.00	0.00	0.00	422.50	1240.00	434.63	0.00	434.64	0.52	0.88	3184.01	1724.93
22950.000	110.00	0.00	0.00	422.50	1910.00	434.97	0.00	434.97	1.08	1.30	3327.80	1837.00
23130.000	180.00	0.00	0.00	426.00	560.00	434.15	0.00	434.15	1.12	1.00	1281.67	529.05
23130.000	180.00	0.00	0.00	426.00	1020.00	434.52	0.00	434.53	3.04	1.69	1379.66	565.40
23130.000	180.00	0.00	0.00	426.00	1240.00	434.65	0.00	434.66	4.20	2.01	1412.85	604.79
23130.000	180.00	0.00	0.00	426.00	1910.00	434.99	0.00	435.03	8.34	2.91	1507.99	661.21
23280.000	150.00	0.00	0.00	428.90	560.00	434.17	0.00	434.19	8.09	2.00	599.96	196.89
23280.000	150.00	0.00	0.00	428.90	1020.00	434.59	0.00	434.64	18.88	3.23	676.21	234.74
23280.000	150.00	0.00	0.00	428.90	1240.00	434.74	0.00	434.81	24.31	3.77	763.94	248.92
23280.000	150.00	0.00	0.00	428.90	1910.00	435.18	0.00	435.31	42.73	5.20	786.15	292.21

ORIGINAL REPORT NUMBER 7-1-11
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SECNO	XLEN	ELTRD	ELLC	ELMIN	D	CRSEL	CRINS	EG	IOKAS	VCH	AREA	.01R
23500.000	220.00	0.00	0.00	431.60	560.00	434.55	0.00	434.71	134.28	5.39	234.94	48.52
23500.000	220.00	0.00	0.00	431.60	1020.00	435.37	0.00	435.58	129.82	6.32	354.56	69.52
23500.000	220.00	0.00	0.00	431.60	1240.00	435.70	0.00	435.93	127.93	6.66	405.95	109.63
23500.000	220.00	0.00	0.00	431.60	1910.00	436.57	0.00	436.85	122.16	7.47	549.44	172.61
23750.000	250.00	0.00	0.00	434.70	560.00	437.73	0.00	437.87	119.33	5.16	244.00	51.26
23750.000	250.00	0.00	0.00	434.70	1020.00	438.52	0.00	438.72	121.54	6.17	362.68	92.52
23750.000	250.00	0.00	0.00	434.70	1240.00	438.84	0.00	439.06	122.70	6.57	411.65	111.94
23750.000	250.00	0.00	0.00	434.70	1910.00	439.66	0.00	439.94	124.88	7.53	545.40	170.92
24000.000	250.00	0.00	0.00	437.80	560.00	440.79	0.00	440.94	126.21	5.27	239.86	49.05
24000.000	250.00	0.00	0.00	437.80	1020.00	441.59	0.00	441.80	124.83	6.23	359.23	91.24
24000.000	250.00	0.00	0.00	437.80	1240.00	441.92	0.00	442.15	124.16	6.59	410.02	111.28
24000.000	250.00	0.00	0.00	437.80	1910.00	442.76	0.00	443.04	123.14	7.49	547.97	172.12
24250.000	250.00	0.00	0.00	440.80	560.00	443.83	0.00	443.98	116.72	5.12	240.22	51.63
24250.000	250.00	0.00	0.00	440.80	1020.00	444.64	0.00	444.83	118.15	6.11	365.38	93.64
24250.000	250.00	0.00	0.00	440.80	1240.00	444.96	0.00	445.16	118.54	6.49	416.42	113.69
24250.000	250.00	0.00	0.00	440.80	1910.00	445.80	0.00	446.07	119.40	7.41	553.68	174.80
24500.000	250.00	0.00	0.00	443.80	560.00	446.81	0.00	446.96	121.45	5.20	242.97	50.81
24500.000	250.00	0.00	0.00	443.80	1020.00	447.62	0.00	447.82	120.61	6.16	363.38	92.66
24500.000	250.00	0.00	0.00	443.80	1240.00	447.95	0.00	448.17	120.42	6.52	414.23	113.60
24500.000	250.00	0.00	0.00	443.80	1910.00	448.80	0.00	449.07	120.49	7.44	552.00	174.01
24790.000	290.00	0.00	0.00	447.30	280.00	450.19	0.00	450.50	117.03	4.94	87.00	25.68
24790.000	290.00	0.00	0.00	447.30	570.00	451.08	0.00	451.54	132.19	6.39	150.24	49.56
24790.000	290.00	0.00	0.00	447.30	730.00	451.44	0.00	451.97	139.01	7.01	176.85	61.92
24790.000	290.00	0.00	0.00	447.30	1300.00	452.43	0.00	453.22	164.91	8.88	260.46	101.23
24825.000	35.00	0.00	0.00	448.10	280.00	450.61	450.46	451.16	233.33	6.27	62.18	18.33
24825.000	35.00	0.00	0.00	448.10	570.00	451.53	0.00	452.20	212.26	7.53	124.12	39.12
24825.000	35.00	0.00	0.00	448.10	730.00	451.91	0.00	452.69	209.63	6.68	152.26	50.42
24825.000	35.00	0.00	0.00	448.10	1300.00	452.99	0.00	453.92	205.06	9.57	239.62	90.78
24850.000	25.00	0.00	0.00	448.70	280.00	451.19	451.08	451.75	237.83	6.31	61.56	18.16
24850.000	25.00	0.00	0.00	448.70	570.00	452.05	0.00	452.76	233.23	7.79	119.39	37.52
24850.000	25.00	0.00	0.00	448.70	730.00	452.42	0.00	453.22	231.17	6.56	146.46	48.01
24850.000	25.00	0.00	0.00	448.70	1300.00	453.40	0.00	454.49	226.92	9.92	230.77	66.50
24875.000	25.00	0.00	0.00	449.30	280.00	451.79	451.68	452.55	243.58	6.36	60.76	17.94
24875.000	25.00	0.00	0.00	449.30	570.00	452.63	0.00	453.58	240.15	7.67	117.95	36.76
24875.000	25.00	0.00	0.00	449.30	730.00	453.00	0.00	453.82	239.08	6.46	144.51	47.21
24875.000	25.00	0.00	0.00	449.30	1300.00	454.04	0.00	455.09	238.64	10.69	226.30	64.15
24900.000	25.00	0.00	0.00	449.90	280.00	452.40	452.28	452.96	237.29	6.31	61.03	18.10
24900.000	25.00	0.00	0.00	449.90	570.00	453.23	0.00	453.98	243.12	7.90	117.35	36.56
24900.000	25.00	0.00	0.00	449.90	730.00	453.59	0.00	454.42	242.93	6.51	143.54	46.84
24900.000	25.00	0.00	0.00	449.90	1300.00	454.64	0.00	455.69	239.09	10.10	226.22	64.07
25000.000	100.00	0.00	0.00	452.50	280.00	454.79	454.68	455.55	240.28	6.33	61.23	18.06
25000.000	100.00	0.00	0.00	452.50	570.00	455.65	0.00	456.58	238.76	7.80	119.07	37.20
25000.000	100.00	0.00	0.00	452.50	730.00	456.01	0.00	456.63	237.26	6.44	144.95	47.54
25000.000	100.00	0.00	0.00	452.50	1300.00	457.03	0.00	458.08	239.98	10.11	225.90	63.92

REPRODUCED FROM THE ORIGINAL RECORDS OF THE NATIONAL ARCHIVES
 REF ID: A66484

SLENO	XLCH	LLTRD	ELLC	ELMIN	U	CWSEL	CRINS	EG	10KAS	VEH	AREA	.GIR
25125.000	125.00	0.00	0.00	455.30	280.00	457.79	457.68	458.35	239.40	6.33	61.30	18.10
25125.000	125.00	0.00	0.00	455.30	570.00	458.63	0.00	459.38	244.87	7.92	117.00	36.43
25125.000	125.00	0.00	0.00	455.30	730.00	458.99	0.00	459.82	240.95	8.49	144.06	47.03
25125.000	125.00	0.00	0.00	455.30	1300.00	460.03	0.00	461.08	240.22	10.11	225.82	63.86
25250.000	125.00	0.00	0.00	458.30	280.00	460.79	460.65	461.36	241.96	6.35	61.00	18.00
25250.000	125.00	0.00	0.00	458.30	570.00	461.65	0.00	462.58	233.04	7.78	119.43	37.34
25250.000	125.00	0.00	0.00	458.30	730.00	462.00	0.00	462.81	237.98	8.45	144.77	47.32
25250.000	125.00	0.00	0.00	458.30	1300.00	463.03	0.00	464.08	238.40	10.09	226.47	64.20
25400.000	150.00	0.00	0.00	461.90	280.00	464.39	464.26	464.95	236.99	6.30	61.67	18.19
25400.000	150.00	0.00	0.00	461.90	570.00	465.22	0.00	465.98	245.55	7.93	116.87	36.38
25400.000	150.00	0.00	0.00	461.90	730.00	465.59	0.00	466.41	241.39	8.49	143.95	46.99
25400.000	150.00	0.00	0.00	461.90	1300.00	466.62	0.00	467.68	241.40	10.13	225.39	63.67
25450.000	50.00	0.00	0.00	463.10	280.00	465.58	465.48	466.15	240.68	6.34	61.17	18.05
25450.000	50.00	0.00	0.00	463.10	570.00	466.45	0.00	467.18	234.85	7.81	119.05	37.19
25450.000	50.00	0.00	0.00	463.10	730.00	466.79	0.00	467.62	242.57	8.51	143.67	46.87
25450.000	50.00	0.00	0.00	463.10	1300.00	467.83	0.00	468.89	240.84	10.12	225.59	63.77
25500.000	50.00	0.00	0.00	464.30	280.00	466.79	466.68	467.35	240.98	6.34	61.13	18.04
25500.000	50.00	0.00	0.00	464.30	570.00	467.63	0.00	468.38	241.24	7.86	117.73	36.70
25500.000	50.00	0.00	0.00	464.30	730.00	468.01	0.00	468.82	236.55	8.45	143.12	47.46
25500.000	50.00	0.00	0.00	464.30	1300.00	469.04	0.00	470.08	237.59	10.07	226.76	64.34
25550.000	50.00	0.00	0.00	465.50	280.00	467.99	467.88	468.55	237.96	6.31	61.54	18.15
25550.000	50.00	0.00	0.00	465.50	570.00	468.84	0.00	469.58	241.02	7.88	117.78	36.72
25550.000	50.00	0.00	0.00	465.50	730.00	469.20	0.00	470.01	237.83	8.44	143.00	47.42
25550.000	50.00	0.00	0.00	465.50	1300.00	470.23	0.00	471.27	237.83	10.07	226.75	64.33
* 25605.000	55.00	0.00	0.00	467.40	280.00	470.40	470.40	471.52	600.55	8.50	32.94	11.43
* 25605.000	55.00	0.00	0.00	467.40	570.00	471.74	471.74	473.53	554.99	10.75	53.04	24.20
* 25605.000	55.00	0.00	0.00	467.40	730.00	472.38	472.38	474.49	543.96	11.65	62.63	21.50
* 25605.000	55.00	0.00	0.00	467.40	1300.00	474.36	474.36	477.43	530.66	14.08	92.36	36.43
25655.000	50.00	475.40	473.80	467.80	280.00	472.90	0.00	473.40	217.06	5.66	49.45	19.01
25655.000	50.00	475.40	473.80	467.80	570.00	473.13	0.00	474.22	256.20	6.37	68.13	35.61
25655.000	50.00	475.40	473.80	467.80	730.00	476.01	0.00	476.11	25.61	3.25	372.96	130.24
25655.000	50.00	475.40	473.80	467.80	1300.00	477.81	0.00	477.85	8.19	2.69	1018.53	454.32
25700.000	45.00	0.00	0.00	468.50	280.00	473.65	0.00	473.71	16.07	2.50	227.01	69.64
25700.000	45.00	0.00	0.00	468.50	570.00	474.67	0.00	474.77	24.23	3.60	351.25	115.79
25700.000	45.00	0.00	0.00	468.50	730.00	476.19	0.00	476.19	11.52	2.90	571.39	215.05
25700.000	45.00	0.00	0.00	468.50	1300.00	477.84	0.00	477.91	12.05	3.43	877.62	374.21
25770.000	70.00	0.00	0.00	469.70	280.00	473.77	0.00	473.94	68.91	4.15	125.61	35.88
25770.000	70.00	0.00	0.00	469.70	570.00	474.64	0.00	475.08	67.37	5.23	225.89	69.45
25770.000	70.00	0.00	0.00	469.70	730.00	478.21	0.00	478.33	28.97	4.10	398.45	135.63
25770.000	70.00	0.00	0.00	469.70	1300.00	477.92	0.00	478.08	24.40	6.45	668.23	263.18

FLOOD MAY 1978 CWF

SUMMARY PRINTOUT TABLE 150

SECNO	D	CWSEL	DIFWSP	DIFWAX	DIFWAS	TOPMID	XLCH
21990.000	500.00	391.30	0.00	0.00	0.00	112.09	0.00
21990.000	1000.00	392.50	1.20	0.00	0.00	160.31	0.00
21990.000	1400.00	393.20	0.70	0.00	0.00	185.24	0.00
21990.000	2000.00	394.90	1.70	0.00	0.00	210.27	0.00
22000.000	500.00	391.55	0.00	0.03	0.00	98.71	10.00
22000.000	1000.00	392.52	1.19	0.02	0.00	163.06	10.00
22000.000	1400.00	393.22	0.70	0.02	0.00	180.04	10.00
22000.000	2000.00	394.93	1.70	0.03	0.00	208.48	10.00
22010.000	500.00	391.57	0.00	0.04	0.00	86.18	10.00
22010.000	1000.00	392.55	1.10	0.03	0.00	157.96	10.00
22010.000	1400.00	393.25	0.70	0.03	0.00	174.95	10.00
22010.000	2000.00	394.96	1.71	0.03	0.00	206.72	10.00
22020.000	500.00	391.45	0.00	0.06	0.00	74.79	10.00
22020.000	1000.00	392.60	1.17	0.05	0.00	140.64	10.00
22020.000	1400.00	393.29	0.69	0.04	0.00	170.05	10.00
22020.000	2000.00	395.00	1.71	0.04	0.00	205.01	10.00
22040.000	500.00	391.62	0.00	0.19	0.00	48.05	20.00
22040.000	1000.00	392.77	1.16	0.17	0.00	129.41	20.00
22040.000	1400.00	393.40	0.63	0.11	0.00	161.10	20.00
22040.000	2000.00	395.10	1.70	0.10	0.00	200.62	20.00
22100.000	500.00	392.56	0.00	0.94	0.00	92.54	60.00
22100.000	1000.00	394.20	1.72	1.50	0.00	150.06	60.00
22100.000	1400.00	394.77	0.50	1.38	0.00	161.82	60.00
22100.000	2000.00	395.96	1.19	0.86	0.00	170.92	60.00
22125.000	500.00	392.99	0.00	0.43	0.00	81.79	25.00
22125.000	1000.00	394.41	1.42	0.13	0.00	147.73	25.00
22125.000	1400.00	394.92	0.52	0.15	0.00	158.49	25.00
22125.000	2000.00	396.18	1.26	0.22	0.00	168.00	25.00
22200.000	500.00	394.81	0.00	1.02	0.00	107.57	75.00
22200.000	1000.00	395.76	0.97	1.57	0.00	129.99	75.00
22200.000	1400.00	396.20	0.42	1.28	0.00	140.18	75.00
22200.000	2000.00	397.80	1.26	1.28	0.00	154.08	75.00
22212.000	500.00	394.91	0.00	0.10	0.00	102.71	12.00
22212.000	1000.00	395.94	1.03	0.17	0.00	126.92	12.00
22212.000	1400.00	396.58	0.44	0.16	0.00	137.24	12.00
22212.000	2000.00	397.66	1.28	0.20	0.00	153.36	12.00
22225.000	500.00	395.13	0.00	0.22	0.00	100.65	13.00
22225.000	1000.00	396.19	1.00	0.24	0.00	125.62	13.00
22225.000	1400.00	396.65	0.46	0.20	0.00	136.31	13.00
22225.000	2000.00	397.91	1.27	0.25	0.00	153.04	13.00
22300.000	500.00	396.91	0.00	1.78	0.00	120.99	75.00
22300.000	1000.00	397.96	1.07	1.79	0.00	127.70	75.00
22300.000	1400.00	398.49	0.51	1.65	0.00	130.90	75.00
22300.000	2000.00	399.70	1.25	1.63	0.00	141.75	75.00

SECNO	U	CASLL	DIFWSP	DIFW5X	DIFRWH	TOPBID	XLEN
22410.000	360.00	398.37	0.00	1.46	0.00	121.96	110.00
22410.000	450.00	399.27	0.90	1.29	0.00	127.60	110.00
22410.000	455.00	399.75	0.48	1.26	0.00	130.62	110.00
22410.000	520.00	401.16	1.43	1.43	0.00	139.52	110.00
* 22470.000	380.00	423.79	0.00	25.42	0.00	15.04	60.00
* 22470.000	450.00	424.17	0.38	24.90	0.00	15.81	60.00
* 22470.000	465.00	424.25	0.06	24.46	0.00	15.93	60.00
* 22470.000	520.00	424.48	0.25	23.30	0.00	16.44	60.00
22535.000	380.00	426.70	0.00	2.91	0.00	27.65	65.00
22535.000	450.00	427.05	0.35	2.88	0.00	28.10	65.00
22535.000	465.00	427.13	0.08	2.90	0.00	28.21	65.00
22535.000	520.00	427.40	0.27	2.92	0.00	28.56	65.00
22565.000	380.00	428.70	0.00	0.00	0.00	22.81	30.00
22565.000	450.00	427.95	0.35	0.00	0.00	23.45	30.00
22565.000	465.00	427.13	0.08	0.00	0.00	23.55	30.00
22565.000	520.00	427.46	0.27	0.00	0.00	23.91	30.00
* 22580.000	380.00	431.09	0.00	4.39	0.00	25.66	15.00
* 22580.000	450.00	431.43	0.34	4.39	0.00	26.89	15.00
* 22580.000	465.00	431.30	0.07	4.37	0.00	29.54	15.00
* 22580.000	520.00	431.75	0.25	4.35	0.00	31.91	15.00
* 22600.000	380.00	432.20	0.00	1.11	0.00	42.69	20.00
* 22600.000	450.00	432.49	0.29	1.06	0.00	47.24	20.00
* 22600.000	465.00	432.55	0.05	1.04	0.00	48.07	20.00
* 22600.000	520.00	432.72	0.18	0.97	0.00	50.84	20.00
22720.000	560.00	434.07	0.00	1.87	0.00	780.60	120.00
22720.000	1020.00	434.43	0.36	1.94	0.00	839.03	120.00
22720.000	1240.00	434.58	0.11	2.00	0.00	842.34	120.00
22720.000	1910.00	434.86	0.31	2.14	0.00	851.79	120.00
22840.000	560.00	434.14	0.06	0.07	0.00	646.52	120.00
22840.000	1020.00	434.51	0.37	0.08	0.00	654.03	120.00
22840.000	1240.00	434.63	0.12	0.09	0.00	655.85	120.00
22840.000	1910.00	434.97	0.33	0.11	0.00	660.83	120.00
22950.000	560.00	434.14	0.00	0.00	0.00	417.03	110.00
22950.000	1020.00	434.51	0.37	0.00	0.00	424.43	110.00
22950.000	1240.00	434.63	0.12	0.00	0.00	426.67	110.00
22950.000	1910.00	434.97	0.33	0.00	0.00	433.56	110.00
23130.000	560.00	434.15	0.00	0.00	0.00	260.06	180.00
23130.000	1020.00	434.52	0.37	0.01	0.00	263.64	180.00
23130.000	1240.00	434.65	0.12	0.01	0.00	270.66	180.00
23130.000	1910.00	434.99	0.35	0.02	0.00	276.11	180.00
23280.000	560.00	434.17	0.00	0.03	0.00	175.74	150.00
23280.000	1020.00	434.59	0.42	0.07	0.00	182.75	150.00
23280.000	1240.00	434.74	0.15	0.09	0.00	185.28	150.00
23280.000	1910.00	435.18	0.44	0.18	0.00	192.49	150.00

REPRODUCED FROM THE
 ORIGINAL SOURCE
 BY THE NATIONAL ARCHIVES
 COLLEGE PARK, MARYLAND

SECNO	Q	CRSLL	DIFWSP	DIFWSX	DIFWSS	TOPWLL	XLQ7
23500.000	560.00	434.55	0.00	0.57	0.00	142.41	220.00
23500.000	1020.00	435.37	0.82	0.78	0.00	152.36	220.00
23500.000	1240.00	435.70	0.33	0.96	0.00	157.14	220.00
23500.000	1910.00	436.57	0.87	1.54	0.00	170.91	220.00
23750.000	560.00	437.73	0.00	3.16	0.00	143.26	250.00
23750.000	1020.00	438.52	0.79	3.15	0.00	153.53	250.00
23750.000	1240.00	438.84	0.52	3.14	0.00	157.61	250.00
23750.000	1910.00	439.66	0.62	3.08	0.00	170.52	250.00
24000.000	560.00	440.79	0.00	3.06	0.00	142.65	250.00
24000.000	1020.00	441.59	0.80	3.08	0.00	153.26	250.00
24000.000	1240.00	441.92	0.33	3.06	0.00	157.48	250.00
24000.000	1910.00	442.76	0.84	3.10	0.00	170.77	250.00
24250.000	560.00	443.83	0.00	3.04	0.00	143.42	250.00
24250.000	1020.00	444.64	0.81	3.05	0.00	153.82	250.00
24250.000	1240.00	444.96	0.52	3.04	0.00	158.00	250.00
24250.000	1910.00	445.80	0.83	3.04	0.00	171.32	250.00
24500.000	560.00	446.81	0.00	2.97	0.00	143.13	250.00
24500.000	1020.00	447.62	0.81	2.98	0.00	153.61	250.00
24500.000	1240.00	447.95	0.33	2.99	0.00	157.82	250.00
24500.000	1910.00	448.80	0.85	3.00	0.00	171.16	250.00
24790.000	280.00	450.19	0.00	3.36	0.00	67.24	290.00
24790.000	570.00	451.08	0.89	3.45	0.00	75.22	290.00
24790.000	730.00	451.44	0.36	3.49	0.00	78.55	290.00
24790.000	1300.00	452.43	1.00	3.64	0.00	87.54	290.00
24825.000	280.00	450.61	0.00	0.42	0.00	62.45	35.00
24825.000	570.00	451.53	0.92	0.45	0.00	72.05	35.00
24825.000	730.00	451.91	0.38	0.47	0.00	75.46	35.00
24825.000	1300.00	452.99	1.08	0.56	0.00	85.20	35.00
24850.000	280.00	451.17	0.00	0.58	0.00	62.93	25.00
24850.000	570.00	452.05	0.86	0.52	0.00	71.47	25.00
24850.000	730.00	452.42	0.37	0.51	0.00	74.77	25.00
24850.000	1300.00	453.48	1.06	0.69	0.00	84.25	25.00
24875.000	280.00	451.79	0.00	0.60	0.00	62.17	25.00
24875.000	570.00	452.63	0.85	0.58	0.00	71.29	25.00
24875.000	730.00	453.00	0.36	0.57	0.00	74.54	25.00
24875.000	1300.00	454.04	1.04	0.56	0.00	83.76	25.00
24900.000	280.00	452.40	0.00	0.51	0.00	62.54	25.00
24900.000	570.00	453.23	0.83	0.60	0.00	71.21	25.00
24900.000	730.00	453.59	0.36	0.60	0.00	74.43	25.00
24900.000	1300.00	454.64	1.04	0.60	0.00	83.76	25.00
25000.000	280.00	454.79	0.00	2.56	0.00	62.26	100.00
25000.000	570.00	455.65	0.80	2.41	0.00	71.43	100.00
25000.000	730.00	456.01	0.37	2.42	0.00	74.59	100.00
25000.000	1300.00	457.05	1.02	2.59	0.00	83.73	100.00

X Section

23790
24790
24825

SECNO		CNSL	DIFWSP	DIFW5X	DIFKWS	TOPW10	XLCH
25125.000	280.00	457.79	0.00	5.00	0.00	62.28	125.00
25125.000	570.00	456.03	0.84	2.98	0.00	71.17	125.00
25125.000	730.00	458.99	0.57	2.96	0.00	74.49	125.00
25125.000	1300.00	460.03	1.04	3.00	0.00	83.72	125.00
25250.000	280.00	460.79	0.00	5.01	0.00	62.21	125.00
25250.000	570.00	461.65	0.86	5.02	0.00	71.47	125.00
25250.000	730.00	462.00	0.35	5.00	0.00	74.57	125.00
25250.000	1300.00	463.03	1.03	5.00	0.00	83.79	125.00
25400.000	280.00	464.59	0.00	5.00	0.00	62.35	150.00
25400.000	570.00	465.22	0.82	5.57	0.00	71.15	150.00
25400.000	730.00	465.59	0.57	5.59	0.00	74.47	150.00
25400.000	1300.00	466.62	1.03	5.59	0.00	83.68	150.00
25450.000	280.00	465.58	0.00	1.19	0.00	62.25	50.00
25450.000	570.00	466.45	0.86	1.25	0.00	71.42	50.00
25450.000	730.00	466.79	0.35	1.21	0.00	74.44	50.00
25450.000	1300.00	467.83	1.03	1.21	0.00	83.70	50.00
25500.000	280.00	466.79	0.00	1.20	0.00	62.24	50.00
25500.000	570.00	467.65	0.84	1.18	0.00	71.26	50.00
25500.000	730.00	468.01	0.38	1.22	0.00	74.61	50.00
25500.000	1300.00	469.04	1.03	1.21	0.00	83.82	50.00
25550.000	280.00	467.99	0.00	1.20	0.00	62.32	50.00
25550.000	570.00	468.84	0.84	1.21	0.00	71.26	50.00
25550.000	730.00	469.20	0.36	1.18	0.00	74.50	50.00
25550.000	1300.00	470.23	1.03	1.19	0.00	83.82	50.00
* 25605.000	280.00	470.40	0.00	2.40	0.00	15.00	55.00
* 25605.000	570.00	471.74	1.54	2.90	0.00	15.00	55.00
* 25605.000	730.00	472.38	0.64	3.16	0.00	15.00	55.00
* 25605.000	1300.00	474.36	1.98	4.13	0.00	15.00	55.00
25655.000	280.00	472.90	0.00	2.50	0.00	15.00	50.00
25655.000	570.00	473.13	0.23	1.40	0.00	15.00	50.00
25655.000	730.00	476.01	2.85	5.64	0.00	97.96	50.00
25655.000	1300.00	477.81	1.80	5.45	0.00	210.42	50.00
25700.000	280.00	473.05	0.00	0.75	0.00	108.01	45.00
25700.000	570.00	474.67	1.02	1.54	0.00	135.58	45.00
25700.000	730.00	476.14	1.46	0.13	0.00	164.03	45.00
25700.000	1300.00	477.64	1.70	0.05	0.00	196.69	45.00
25770.000	280.00	473.77	0.00	0.11	0.00	78.64	70.00
25770.000	570.00	474.64	1.00	0.17	0.00	107.73	70.00
25770.000	730.00	476.21	1.37	0.07	0.00	142.51	70.00
25770.000	1300.00	477.92	1.71	0.60	0.00	175.02	70.00

SUMMARY OF ERRORS

CAUTION SECNO=22470.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22470.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSL
CAUTION SECNO=22470.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO=22470.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22470.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22470.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22470.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22470.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=22580.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22580.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22580.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22580.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=22600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22600.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22600.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22600.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO=25605.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=25605.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=25605.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=25605.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR FLOOD MAY 1978 CWF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2%	0.2%
21990.000	0.	-1.90	-0.70	1.70
22000.000	10.	-1.90	-0.70	1.70
22010.000	20.	-1.89	-0.70	1.71
22020.000	30.	-1.86	-0.69	1.71
22040.000	50.	-1.78	-0.65	1.70
22100.000	110.	-2.22	-0.50	1.19
22125.000	135.	-1.93	-0.52	1.26
22200.000	210.	-1.39	-0.42	1.26
22212.000	222.	-1.47	-0.44	1.28
22225.000	235.	-1.52	-0.46	1.27
22300.000	310.	-1.59	-0.51	1.25
22410.000	420.	-1.38	-0.48	1.43
22470.000	480.	-0.44	-0.06	0.25
22535.000	545.	-0.43	-0.08	0.27
22565.000	575.	-0.43	-0.08	0.27
22580.000	590.	-0.41	-0.07	0.25
22600.000	610.	-0.34	-0.05	0.18
22720.000	730.	-0.47	-0.11	0.31
22840.000	850.	-0.49	-0.12	0.33
22950.000	960.	-0.49	-0.12	0.33
23130.000	1140.	-0.59	-0.12	0.35
23280.000	1290.	-0.57	-0.15	0.44
23500.000	1510.	-1.15	-0.33	0.87
23750.000	1760.	-1.11	-0.32	0.82
24000.000	2010.	-1.15	-0.35	0.84
24250.000	2260.	-1.15	-0.32	0.85
24500.000	2510.	-1.14	-0.35	0.85
24790.000	2800.	-1.25	-0.36	1.00
24825.000	2855.	-1.30	-0.38	1.08
24850.000	2860.	-1.23	-0.37	1.06
24675.000	2835.	-1.21	-0.36	1.04
24900.000	2910.	-1.19	-0.36	1.04
25000.000	3010.	-1.25	-0.37	1.02
25125.000	3135.	-1.21	-0.37	1.04
25250.000	3260.	-1.21	-0.35	1.03
25400.000	3410.	-1.19	-0.37	1.03
25450.000	3460.	-1.21	-0.35	1.03
25500.000	3510.	-1.22	-0.36	1.03
25550.000	3560.	-1.26	-0.36	1.03
25605.000	3615.	-1.90	-0.68	1.98
25655.000	3665.	-3.11	-2.88	1.80
25700.000	3710.	-2.49	-1.46	1.70
25770.000	3780.	-2.45	-1.57	1.71

WEIGHTED AVG FOR REACH		-1.12	-0.37	0.87

FHF FOR THE REACH = 0.16 WITH 68.7% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 2

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10%	1%	DIFF.			
	0.					SEC. 21990.000	
	10.					SEC. 22000.000	
	20.					SEC. 22010.000	
	30.					SEC. 22020.000	
	39.					SEC. 22040.000	
1	100.	392.24	394.45	-2.21	-2.21	020	100.
	110.					SEC. 22100.000	
	135.					SEC. 22125.000	
2	200.	394.48	396.29	-1.81	-2.01	020	100.
	210.					SEC. 22200.000	
	222.					SEC. 22212.000	
	235.					SEC. 22225.000	
3	300.	396.82	398.18	-1.36	-1.79	020	100.
	310.					SEC. 22300.000	
4	400.	398.31	399.79	-1.48	-1.72	015	100.
	420.					SEC. 22410.000	
	480.					SEC. 22470.000	
5	500.	412.85	413.72	-0.87	-1.55	015	60.
	545.					SEC. 22535.000	
	575.					SEC. 22565.000	
	590.					SEC. 22580.000	
6	600.	430.68	430.29	-0.31	-1.34	015	67.
	610.					SEC. 22600.000	
7	700.	434.41	434.76	-0.35	-1.20	010	43.
	750.					SEC. 22720.000	
8	800.	434.26	434.75	-0.49	-1.11	010	35.
	850.					SEC. 22840.000	
9	900.	434.14	434.65	-0.49	-1.04	010	33.
	960.					SEC. 22950.000	
10	1000.	434.14	434.64	-0.50	-0.99	010	60.
11	1100.	434.15	434.64	-0.49	-0.94	010	55.
	1140.					SEC. 23130.000	
12	1200.	434.16	434.60	-0.52	-0.91	010	58.
	1290.					SEC. 23280.000	
13	1300.	434.22	434.86	-0.64	-0.89	010	62.
14	1400.	434.36	435.22	-0.86	-0.88	010	64.
15	1500.	434.53	435.65	-1.12	-0.90	010	67.
	1510.					SEC. 23500.000	
16	1600.	435.47	436.68	-1.19	-0.92	010	69.
17	1700.	436.90	438.08	-1.18	-0.93	010	71.
	1750.					SEC. 23750.000	
18	1800.	438.21	439.35	-1.14	-0.94	010	72.
19	1900.	439.44	440.56	-1.12	-0.95	010	74.
20	2000.	440.67	441.60	-1.13	-0.96	010	75.
	2010.					SEC. 24000.000	
21	2100.	441.89	443.02	-1.13	-0.97	010	76.
22	2200.	443.10	444.23	-1.13	-0.97	010	77.
	2280.					SEC. 24250.000	
23	2300.	444.31	445.44	-1.13	-0.98	010	83.
24	2400.	445.50	446.63	-1.13	-0.99	010	83.
25	2500.	446.69	447.83	-1.14	-0.99	010	84.
	2510.					SEC. 24500.000	
26	2600.	447.86	449.03	-1.17	-1.03	010	73.
27	2700.	449.02	450.24	-1.22	-1.01	010	70.
	2800.					SEC. 24790.000	
28	2800.	450.20	451.47	-1.27	-1.02	010	71.
	2850.					SEC. 24925.000	

	2860.					SEC.	24850.000	
	2885.					SEC.	24875.000	
29	2900.	452.09	453.33	-1.24	-1.03	010	69.	
	2910.					SEC.	24900.000	
30	3000.	454.56	455.76	-1.20	-1.03	010	70.	
	3010.					SEC.	25000.000	
31	3100.	456.94	458.17	-1.23	-1.04	010	71.	
	3135.					SEC.	25125.000	
32	3200.	459.35	460.55	-1.20	-1.05	010	72.	
	3260.					SEC.	25250.000	
33	3300.	461.75	462.95	-1.20	-1.05	010	73.	
34	3400.	464.15	465.35	-1.20	-1.05	010	74.	
	3410.					SEC.	25400.000	
	3460.					SEC.	25450.000	
35	3500.	466.55	467.77	-1.22	-1.06	010	74.	
	3510.					SEC.	25500.000	
	3560.					SEC.	25550.000	
36	3600.	469.80	471.69	-1.89	-1.08	010	72.	
	3615.					SEC.	25605.000	
	3665.					SEC.	25655.000	
37	3700.	473.12	475.33	-2.21	-1.11	010	70.	
	3710.					SEC.	25700.000	
	3780.					SEC.	25770.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE (202 25 57)
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

C
 T1 ORANGE COUNTY FIA STUDY
 T2 HOOKER CREEK, ABOVE CROW BRANCH
 T3 100YR FLOW PROFILE AUG 76 CRF

J1	ICHECK	INO	NIKV	DIR	SIKI	PLRIC	FVINS		SSL	FW
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	393.200	0.000

J2	RPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLOU	IBR	CRIF	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	36.000	1.000
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	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
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NC	0.120	0.120	0.060	0.200	0.400	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	500.000	1000.000	1400.000	2000.000	1400.000	0.000	0.000	0.000	0.000	0.000
LI	0.000	0.000	0.000	0.000	0.000	7.100	580.000	1030.000	0.000	0.000	0.000

CHAPEL HILL FPLS VALLEY SECTION #19

X1	21790.000	18.000	1000.000	1023.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	420.000	667.000	410.000	797.000	400.000	837.000	394.000	857.000	392.000	827.000	
BR	390.700	957.000	390.200	1000.000	388.000	1002.000	387.800	1006.000	386.500	1007.000	
GR	386.100	1010.000	386.200	1021.000	389.800	1023.000	385.500	1037.000	381.200	1047.000	
GR	402.600	1107.000	410.000	1207.000	420.000	1307.000	0.000	0.000	0.000	0.000	
LI	0.000	0.000	0.000	0.000	0.000	7.100	580.000	1030.000	0.000	0.000	0.000

X1	22000.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.200	0.000
LI	0.000	0.000	0.000	0.000	0.000	7.100	580.000	1030.000	0.000	0.000

X1	22610.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.200	0.000
LI	0.000	0.000	0.000	0.000	0.000	7.100	580.000	1030.000	0.000	0.000

X1	22020.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.200	0.000
LI	0.000	0.000	0.000	0.000	0.000	7.100	580.000	1030.000	0.000	0.000

X1	22040.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.400	0.000
LI	0.000	0.000	0.000	0.000	0.000	7.100	570.000	1035.000	0.000	0.000

X1	22100.000	8.000	1000.000	1020.000	20.000	60.000	60.000	0.000	0.000	0.000
GR	408.000	850.000	394.000	900.000	391.500	1000.000	388.600	1005.000	388.600	1015.000
GR	437.500	912.000	454.400	959.000	472.000	1115.000	437.500	1035.000	437.500	1045.000

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GR	391.500	1020.000	392.500	1033.000	405.000	1100.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1035.000	0.000	0.000
X1	22125.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	960.000	1060.000	0.000	0.000
X1	22200.000	8.000	1000.000	1017.000	75.000	75.000	75.000	0.000	0.000	0.000
GR	410.000	880.000	396.500	930.000	393.000	1000.000	391.000	1003.000	391.000	1003.000
GR	393.000	1017.000	394.500	1070.000	410.000	1125.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	960.000	1060.000	0.000	0.000
X1	22212.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	0.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	960.000	1060.000	0.000	0.000
X1	22225.000	0.000	0.000	0.000	13.000	13.000	13.000	0.000	0.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	965.000	1096.000	0.000	0.000
GRK-6 VALLEY										
X1	22300.000	10.000	1000.000	1013.000	75.000	75.000	75.000	0.000	0.000	0.000
GR	419.000	891.000	396.800	971.000	396.000	991.000	394.700	1000.000	393.700	1001.000
GR	393.400	1006.000	393.700	1011.000	394.600	1013.000	396.700	1091.000	414.700	1139.000
GT	5.000	380.000	450.000	465.000	520.000	465.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	965.000	1096.000	0.000	0.000
X1	22410.000	0.000	0.000	0.000	110.000	110.000	110.000	0.000	1.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000
GRK-1A TOP OF BLUFF BELOW LAKE ELLEN										
X1	22470.000	11.000	1000.000	1023.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	438.300	515.000	433.000	615.000	430.200	715.000	427.500	1000.000	420.700	1008.000
GR	420.300	1012.000	419.800	1016.000	428.000	1023.000	429.200	1115.000	430.900	1215.000
GR	434.200	1315.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	22535.000	17.000	1000.000	1025.000	65.000	65.000	65.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	433.000	433.000	0.000
GR	437.600	510.000	436.100	610.000	433.200	910.000	431.400	1000.000	426.300	1000.100
GR	423.700	1005.000	423.500	1010.000	423.700	1015.000	423.800	1020.000	427.600	1024.900
GR	426.100	1025.000	431.600	1031.000	432.300	1110.000	433.700	1210.000	434.000	1230.000
GR	434.000	1810.000	438.500	1910.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.600	0.000	13.700	0.100	187.000	1.070	424.000	423.500
GRK-1 TAYLOR STREET (LAKE ELLEN DAM)										
X1	22565.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	432.300	433.100	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	433.700	433.100	0.000
BT	12.000	510.000	437.600	0.000	610.000	436.100	0.000	880.000	434.000	0.000
BT	1000.000	433.700	0.000	1025.000	433.700	0.000	1080.000	433.700	0.000	1180.000
BT	433.700	0.000	1380.000	433.100	0.000	1480.000	433.100	0.000	1680.000	433.800
BT	0.000	1810.000	434.000	0.000	1910.000	438.500	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	993.000	1023.000	0.000	0.000
X1	22580.000	11.000	1000.000	1014.000	15.000	15.000	15.000	0.000	0.000	0.000
GR	437.500	912.000	434.400	959.000	432.000	991.000	430.300	1000.000	428.100	1002.000

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GR	435.200	1115.000	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	981.000	1029.000	0.000	0.000
X1	23500.000	9.000	1000.000	1013.000	20.000	20.000	20.000	0.000	10.000	0.000
GR	437.500	912.000	434.800	960.000	430.600	1010.000	429.400	1003.000	428.800	1007.000
GR	429.200	1011.000	429.900	1013.000	434.700	1043.000	435.200	1112.000	0.000	0.000
GT	5.000	560.000	1020.000	1240.000	1910.000	1240.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	980.000	1660.000	0.000	0.000

DBK-1E LAKE ELLEN ABOVE DAM

X1	22720.000	17.000	1000.000	1009.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	437.400	958.000	430.600	1000.000	429.700	1001.000	429.500	1008.000	429.800	1008.000
GR	430.800	1009.000	431.700	1017.000	434.200	1117.000	433.400	1132.000	433.700	1180.000
GR	433.400	1280.000	433.100	1380.000	433.000	1480.000	433.300	1580.000	433.600	1680.000
GR	434.200	1810.000	438.500	1910.000	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	462.000	1104.000	0.000	0.000

LAKE ELLEN ABOVE SPILLWAY CHANNEL

X1	22840.000	21.000	1000.000	1010.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	440.200	400.000	438.900	415.000	435.300	442.000	430.700	500.000	429.300	1550.000
GR	428.600	600.000	426.000	650.000	425.200	700.000	425.100	750.000	423.300	800.000
GR	423.100	850.000	422.000	900.000	421.800	950.000	421.500	1000.000	420.600	1001.000
GR	420.300	1005.000	420.600	1009.000	421.500	1010.000	422.300	1050.000	432.000	1100.000
GR	440.400	1120.000	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	601.000	1050.000	0.000	0.000

X1	22950.000	11.000	1000.000	1010.000	110.000	110.000	110.000	0.000	0.000	0.000
GR	445.000	510.000	432.500	700.000	427.500	800.000	424.000	910.000	423.700	1000.000
GR	422.700	1001.000	422.500	1005.000	422.700	1009.000	423.700	1010.000	424.500	1045.000
GR	445.000	1145.000	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	221.000	1072.000	0.000	0.000

X1	23130.000	10.000	1000.000	1010.000	180.000	180.000	180.000	0.000	0.000	0.000
GR	450.000	650.000	435.000	800.000	427.500	925.000	427.100	1000.000	426.200	1001.000
GR	426.000	1005.000	426.200	1009.000	427.100	1010.000	428.000	1049.000	450.000	1150.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	297.000	1057.000	0.000	0.000

DBK-5 VALLEY AT LAKE ELLEN HEADWATER

X1	23280.000	13.000	1000.000	1010.000	150.000	150.000	150.000	0.000	0.000	0.000
GR	454.900	705.000	450.700	740.000	441.100	803.000	433.200	903.000	430.200	930.000
GR	429.900	1000.000	429.300	1001.000	428.900	1005.000	429.200	1009.000	429.900	1010.000
GR	430.700	1053.000	443.500	1103.000	453.800	1151.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	920.000	1050.000	0.000	0.000

X1	23500.000	0.000	0.000	0.000	220.000	220.000	220.000	0.000	2.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	9.400	0.000	0.000	0.000

X1	23750.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.100	0.000
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X1	24000.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.100	0.000
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X1	24250.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.000	0.000
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X1	24500.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	3.000	0.000
GT	5.000	280.000	1570.000	730.000	1300.000	730.000	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

DBK-2 VALLEY BELOW INC HWY 86

X1	24790.000	10.000	1000.000	1018.000	290.000	290.000	290.000	0.000	0.000	0.000
GR	468.200	867.000	1150.200	960.000	449.400	967.000	449.400	1000.000	447.700	1002.000
GR	447.400	1010.000	447.300	1016.000	447.700	1018.000	460.700	1067.000	467.900	1101.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.800	1023.800	0.000	0.000

X1	24825.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.800	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	24850.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	24875.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	24900.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25000.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	2.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25125.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	3.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25250.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	3.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25400.000	0.000	0.000	0.000	150.000	150.000	150.000	0.000	3.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25450.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	1.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25500.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	1.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.500	1023.500	0.000	0.000

X1	25550.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	1.200	0.000
NC	0.000	0.000	0.000	0.500	0.500	0.000	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

X1	25805.000	20.000	997.000	1012.000	55.000	55.000	55.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	475.400	475.200	0.000
GR	489.600	674.000	487.600	774.000	484.900	812.000	480.200	874.000	469.900	974.000
GK	469.200	997.000	469.100	997.100	467.400	998.800	467.400	1001.200	469.100	1002.900
GR	469.200	1003.000	469.200	1006.000	469.100	1006.100	467.400	1007.800	467.400	1010.200
GR	469.200	1011.900	470.000	1012.000	473.500	1074.000	475.400	1093.000	484.200	1124.000

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OBK-3, NC HWY 86

X1	25655.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	10.400	0.000
X2	0.000	0.000	1.000	473.800	475.400	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	477.400	475.400	0.000
BT	21.000	674.000	489.600	0.000	774.000	487.600	0.000	812.000	484.900	484.900
BT	874.000	482.200	480.200	974.000	478.200	469.900	997.000	477.400	469.200	997.100
BT	477.400	471.600	998.800	477.300	473.400	1001.200	477.200	473.400	1002.900	477.200
BT	471.600	1003.000	477.200	469.200	1006.000	477.100	469.200	1006.100	477.000	471.600
BT	1007.800	477.000	473.400	1010.200	476.900	473.400	1011.900	476.900	471.600	1012.000
BT	476.800	470.000	1074.000	475.800	473.500	1093.000	475.400	475.400	1174.000	484.200
BT	0.000	1304.000	490.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	25700.000	13.000	1000.000	1012.000	45.000	45.000	45.000	0.000	-1.200	0.000
GR	491.900	674.000	489.900	774.000	482.400	474.000	472.200	974.000	471.200	1000.000
GR	469.900	1002.000	469.700	1005.000	469.800	1008.000	472.300	1012.000	475.900	1074.000
GR	486.500	1174.000	491.100	1274.000	492.300	1304.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	576.000	1026.000	0.000	0.000

OBK-4 VALLEY ABOVE NC HWY 86

X1	25770.000	0.000	0.000	0.000	70.000	70.000	70.000	0.000	1.200	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 AUG 77
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

T1 ORANGE COUNTY FIA STUDY
 T2 BOOKER CREEK ADV CROW BRANCH
 T3 100YR FLOODWAY PROFILE AUG 1978 CHF

J1	ICHECK	INW	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FG
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	394.200	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	15.000

*PROF 2

CCHV= 0.200 CEHV= 0.400

*SECNO 21990.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	0LOB	0CH	0ROB	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	ICPRID	ENDST

3470 ENCRDACHMENT STATIONS= 980.0 1030.0 TYPE= 1 TARGET= 50.000

CHAPEL HILL FPIS VALLEY SECTION #19

21990.00	8.10	394.20	0.00	393.20	394.85	0.65	0.00	0.00	390.20
1400.	177.	1168.	55.	78.	166.	28.	0.	0.	389.80
0.00	2.27	7.03	1.97	0.120	0.060	0.120	0.000	386.10	980.00
0.006944	0.	0.	0.	0	0	0	0.00	50.00	1030.00

FLOW DISTRIBUTION FOR SECNO= 21990.00 CWSEL= 394.20

STA=	980.	1000.	1023.	1030.
PER Q=	12.6	83.4	4.0	
AREA=	77.7	166.2	28.1	
VEL=	2.3	7.0	2.0	

*SECNO 22000.000

3470 ENCRDACHMENT STATIONS= 980.0 1030.0 TYPE= 1 TARGET= 50.000

22000.00	7.90	394.24	0.00	393.22	394.94	0.70	0.07	0.02	390.44
1400.	171.	1174.	54.	74.	162.	27.	0.	0.	390.04
0.00	2.32	7.26	2.03	0.120	0.060	0.120	0.055	386.34	980.00
0.007690	10.	10.	10.	2	0	0	0.00	50.00	1030.00

FLOW DISTRIBUTION FOR SECNO= 22000.00 CWSEL= 394.24

STA=	980.	1000.	1023.	1030.
PER Q=	12.2	83.9	3.9	

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HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR - 01,02

MODIFICATION - 50,51,52,53

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

100YR FLWY PROFILE AUG

SUMMARY PRINTOUT

SECNO	CWSFL	EG	ELLC	ELMIN	10K+S	G
21990.000	393.20	393.59	0.00	386.10	65.83	1400.00
21990.000	394.20	394.85	0.00	386.10	65.44	1400.00
22000.000	393.22	393.70	0.00	386.34	80.25	1400.00
22000.000	394.24	394.94	0.00	386.34	76.90	1400.00
22010.000	393.25	393.83	0.00	386.58	98.07	1400.00
22010.000	394.30	395.05	0.00	386.58	85.17	1400.00
22020.000	393.29	393.90	0.00	386.82	119.83	1400.00
22020.000	394.35	395.16	0.00	386.82	94.60	1400.00
22040.000	393.40	394.39	0.00	387.30	175.71	1400.00
22040.000	394.49	395.42	0.00	387.30	115.53	1400.00
22100.000	394.77	395.26	0.00	388.60	98.55	1400.00
22100.000	395.39	396.11	0.00	388.60	103.34	1400.00
22125.000	394.92	395.68	0.00	389.20	157.98	1400.00
22125.000	395.59	396.47	0.00	389.20	136.23	1400.00
22200.000	396.20	396.97	0.00	391.00	186.88	1400.00
22200.000	396.93	397.44	0.00	391.00	106.09	1400.00
22212.000	396.38	397.25	0.00	391.30	213.76	1400.00
22212.000	397.02	397.61	0.00	391.30	126.02	1400.00
22225.000	396.65	397.54	0.00	391.60	223.30	1400.00
22225.000	397.15	397.81	0.00	391.60	144.54	1400.00
22300.000	398.49	398.98	0.00	393.40	148.56	1400.00
22300.000	398.47	398.96	0.00	393.40	153.31	1400.00
22410.000	399.75	399.81	0.00	394.70	17.18	465.00
22410.000	399.75	399.81	0.00	394.70	17.24	465.00
* 22470.000	424.23	425.73	0.00	419.80	476.57	465.00
* 22470.000	424.23	425.73	0.00	419.80	476.58	465.00

SECNO	CWSEL	EG	ELIC	ELMIN	10K*5	Q
22535.000	427.13	427.82	0.00	423.50	202.58	465.00
22535.000	427.13	427.82	0.00	423.50	202.44	465.00
22565.000	427.13	428.13	432.30	424.00	353.69	465.00
22565.000	427.93	428.49	432.30	424.00	150.79	465.00
* 22580.000	431.50	432.80	0.00	427.00	336.01	465.00
* 22580.000	431.55	432.80	0.00	427.80	317.24	465.00
* 22600.000	432.55	433.56	0.00	428.80	289.53	465.00
* 22600.000	432.62	433.55	0.00	428.80	262.33	465.00
22720.000	434.54	434.61	0.00	429.50	50.92	1240.00
22720.000	434.55	434.63	0.00	429.50	54.32	1240.00
22840.000	434.63	434.63	0.00	420.30	0.12	1240.00
22840.000	434.65	434.65	0.00	420.30	0.12	1240.00
22950.000	434.63	434.64	0.00	422.50	0.52	1240.00
22950.000	434.65	434.65	0.00	422.50	0.51	1240.00
23130.000	434.65	434.66	0.00	426.00	4.20	1240.00
23130.000	434.66	434.68	0.00	426.00	4.06	1240.00
23280.000	434.74	434.81	0.00	428.90	24.81	1240.00
23280.000	434.75	434.82	0.00	428.90	25.45	1240.00
23500.000	435.70	435.93	0.00	431.60	127.93	1240.00
23500.000	435.73	435.99	0.00	431.60	135.57	1240.00
23750.000	438.84	439.06	0.00	434.70	122.70	1240.00
23750.000	438.89	439.11	0.00	434.70	114.53	1240.00
24000.000	441.92	442.15	0.00	437.80	124.16	1240.00
24000.000	441.90	442.13	0.00	437.80	127.25	1240.00
24250.000	444.96	445.18	0.00	440.80	118.54	1240.00
24250.000	444.97	445.19	0.00	440.80	117.51	1240.00
24500.000	447.95	448.17	0.00	443.80	120.42	1240.00
24500.000	447.95	448.17	0.00	443.80	120.71	1240.00
24790.000	451.44	451.97	0.00	447.30	139.01	730.00
24790.000	451.53	452.24	0.00	447.30	161.64	730.00
24825.000	451.91	452.65	0.00	448.10	209.63	730.00
24825.000	452.09	452.93	0.00	448.10	206.81	730.00
24850.000	452.42	453.22	0.00	448.70	231.17	730.00
24850.000	452.60	453.50	0.00	448.70	229.32	730.00
24875.000	453.00	453.82	0.00	449.30	239.08	730.00
24875.000	453.17	454.10	0.00	449.30	237.05	730.00
24900.000	453.59	454.42	0.00	449.90	242.93	730.00
24900.000	453.76	454.70	0.00	449.90	241.55	730.00

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SECNO	CWSEL	EG	ELLC	ELMIN	10K*5	0
25000.000	456.01	456.83	0.00	452.30	237.26	730.00
25000.000	456.17	457.10	0.00	452.30	238.46	730.00
25125.000	458.99	459.82	0.00	455.30	240.95	730.00
25125.000	459.15	460.09	0.00	455.30	239.95	730.00
25250.000	462.00	462.81	0.00	458.30	237.98	730.00
25250.000	462.15	463.09	0.00	458.30	239.80	730.00
25400.000	465.59	466.41	0.00	461.90	241.39	730.00
25400.000	465.76	466.70	0.00	461.90	240.93	730.00
25450.000	466.75	467.62	0.00	463.10	242.57	730.00
25450.000	466.96	467.90	0.00	463.10	238.94	730.00
25500.000	468.01	468.82	0.00	464.30	236.55	730.00
25500.000	468.16	469.09	0.00	464.30	237.83	730.00
25550.000	469.20	470.01	0.00	465.50	237.03	730.00
25550.000	469.35	470.29	0.00	465.50	241.00	730.00
* 25605.000	472.38	474.49	0.00	467.40	543.96	730.00
* 25605.000	472.57	474.49	0.00	467.40	631.53	730.00
25655.000	476.01	476.11	473.80	467.80	23.61	730.00
25655.000	476.01	476.63	0.00	467.80	92.40	730.00
25700.000	476.14	476.19	0.00	468.50	11.52	730.00
25700.000	476.82	476.93	0.00	468.50	15.70	730.00
25770.000	476.21	476.33	0.00	469.70	28.97	730.00
25770.000	476.90	477.12	0.00	469.70	35.66	730.00

100YR FLWY PROFILE AUG

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TWPID
21990.000	393.20	869.00	1000.00	1023.00	1054.24	189.24
21990.000	394.20	980.00	1000.00	1023.00	1030.00	50.00
22000.000	393.22	872.23	1000.00	1023.00	1052.26	180.04
22000.000	394.24	980.00	1000.00	1023.00	1030.00	50.00
22010.000	393.25	875.38	1000.00	1023.00	1050.33	174.95
22010.000	394.30	980.00	1000.00	1023.00	1030.00	50.00
22020.000	393.29	878.42	1000.00	1023.00	1048.47	170.05
22020.000	394.35	982.00	1000.00	1023.00	1032.00	50.00
22040.000	393.40	883.97	1000.00	1023.00	1045.07	161.10
22040.000	394.49	982.00	1000.00	1023.00	1032.00	50.00
22100.000	394.77	897.25	1000.00	1020.00	1059.08	161.82
22100.000	395.39	970.00	1000.00	1020.00	1035.00	65.00
22125.000	394.92	898.83	1000.00	1020.00	1057.31	158.49
22125.000	395.59	970.00	1000.00	1020.00	1035.00	65.00
22200.000	396.20	935.88	1000.00	1017.00	1076.05	140.18
22200.000	396.93	960.00	1000.00	1017.00	1060.00	100.00
22212.000	396.38	938.37	1000.00	1017.00	1075.61	137.24
22212.000	397.02	960.00	1000.00	1017.00	1060.00	100.00
22225.000	396.65	939.16	1000.00	1017.00	1075.47	136.31
22225.000	397.15	960.00	1000.00	1017.00	1060.00	100.00
22300.000	398.49	964.89	1000.00	1013.00	1095.79	130.90
22300.000	398.47	965.00	1000.00	1013.00	1095.71	130.71
22410.000	399.75	965.05	1000.00	1013.00	1095.67	130.62
22410.000	399.75	965.07	1000.00	1013.00	1095.66	130.59
* 22470.000	424.23	1003.85	1000.00	1023.00	1019.78	15.93
* 22470.000	424.23	1003.85	1000.00	1023.00	1019.78	15.93
22535.000	427.13	1000.08	1000.00	1025.00	1024.29	24.21
22535.000	427.13	1000.08	1000.00	1025.00	1024.29	24.21
22565.000	427.13	1000.09	1000.00	1025.00	1023.65	23.55
22565.000	427.93	1000.08	1000.00	1025.00	1024.68	24.60
* 22580.000	431.50	993.64	1000.00	1014.00	1023.17	29.54
* 22580.000	431.55	993.38	1000.00	1014.00	1023.00	29.62
* 22600.000	432.55	981.47	1000.00	1013.00	1029.54	48.07
* 22600.000	432.62	981.00	1000.00	1013.00	1029.00	48.00
22720.000	434.54	975.64	1000.00	1009.00	1617.99	842.34
22720.000	434.55	980.00	1000.00	1009.00	1660.00	680.00

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SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
22840.000	434.63	450.42	1000.00	1010.00	1106.27	655.85
22840.000	434.65	462.00	1000.00	1010.00	1104.00	642.00
22950.000	434.63	667.57	1000.00	1010.00	1094.43	426.87
22950.000	434.65	681.00	1000.00	1010.00	1090.00	409.00
23130.000	434.65	806.01	1000.00	1010.00	1076.69	270.68
23130.000	434.66	821.00	1000.00	1010.00	1072.00	251.00
23280.000	434.74	883.50	1000.00	1010.00	1068.78	185.28
23280.000	434.75	897.00	1000.00	1010.00	1057.00	160.00
23500.000	435.70	904.83	1000.00	1010.00	1061.97	157.14
23500.000	435.73	920.00	1000.00	1010.00	1050.00	130.00
23750.000	438.84	904.50	1000.00	1010.00	1062.11	157.61
23750.000	438.89	903.96	1000.00	1010.00	1062.35	158.39
24000.000	441.92	904.60	1000.00	1010.00	1062.07	157.48
24000.000	441.90	904.79	1000.00	1010.00	1061.99	157.20
24250.000	444.96	904.23	1000.00	1010.00	1062.25	158.00
24250.000	444.97	904.16	1000.00	1010.00	1062.26	158.10
24500.000	447.95	904.36	1000.00	1010.00	1062.18	157.82
24500.000	447.95	904.37	1000.00	1010.00	1062.17	157.79
24790.000	451.44	953.57	1000.00	1018.00	1032.12	78.55
24790.000	451.53	974.00	1000.00	1018.00	1024.00	50.00
24825.000	451.91	955.35	1000.00	1018.00	1030.81	75.46
24825.000	452.09	973.80	1000.00	1018.00	1023.80	50.00
24850.000	452.42	955.75	1000.00	1018.00	1030.52	74.77
24850.000	452.60	973.50	1000.00	1018.00	1023.50	50.00
24875.000	453.00	955.89	1000.00	1018.00	1030.42	74.54
24875.000	453.17	973.50	1000.00	1018.00	1023.50	50.00
24900.000	453.59	955.95	1000.00	1018.00	1030.38	74.43
24900.000	453.76	973.50	1000.00	1018.00	1023.50	50.00
25000.000	456.01	955.85	1000.00	1018.00	1030.45	74.59
25000.000	456.17	973.50	1000.00	1018.00	1023.50	50.00
25125.000	458.99	955.92	1000.00	1018.00	1030.40	74.49
25125.000	459.15	973.50	1000.00	1018.00	1023.50	50.00
25250.000	462.00	955.87	1000.00	1018.00	1030.44	74.57
25250.000	462.15	973.50	1000.00	1018.00	1023.50	50.00
25400.000	465.59	955.92	1000.00	1018.00	1030.40	74.47
25400.000	465.76	973.50	1000.00	1018.00	1023.50	50.00
25450.000	466.79	955.94	1000.00	1018.00	1030.38	74.44
25450.000	466.96	973.50	1000.00	1018.00	1023.50	50.00

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SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
25500.000	468.01	955.84	1000.00	1018.00	1030.46	74.61
25500.000	468.16	973.50	1000.00	1018.00	1023.50	50.00
25550.000	469.20	955.85	1000.00	1018.00	1030.45	74.60
25550.000	469.35	973.50	1000.00	1018.00	1023.50	50.00
* 25605.000	472.38	997.00	997.00	1012.00	1012.00	15.00
* 25605.000	472.37	997.00	997.00	1012.00	1012.00	15.00
25655.000	476.01	997.00	997.00	1012.00	1094.96	97.96
25655.000	476.01	997.00	997.00	1012.00	1013.97	16.97
25700.000	476.14	923.58	1000.00	1012.00	1087.61	164.03
25700.000	476.82	973.28	1000.00	1012.00	1030.43	57.15
25770.000	476.21	934.65	1000.00	1012.00	1076.96	142.31
25770.000	476.90	976.00	1000.00	1012.00	1026.00	50.00

SUMMARY OF ERRORS

CAUTION SECNO=22470.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22470.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22470.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22470.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22470.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22580.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22580.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22580.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22580.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=22600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=22600.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=22600.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=25605.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=25605.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=25605.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL