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SPENCER, N.C.

ROWAN AVENUE PARK STREAM

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

PROGRAMMER=MAK ACCOUNT=RT1.A25.P03078

JOB TURN-AROUND JOB PARAMETERS TIME USED INCLUDES MISC. JOB VALUES

	DATE	TIME	SPECIFIED	USED		NO.	EQUIVALENT		
ENTERED	10/06/77	15:58:41.9	TIME	2:00.0	0:23.2	CPU	0:08.8	LINES IN	185
EXECUTED	10/06/77	18:50:23.8	PAGES	100	19	UR EXCPS	0:04.9	LINES OUT	940
RETURNED	10/07/77	12:37:42.8	CARDS	0	0	DISK EXCPS	0:09.5	MEMORY TIME	11575 K-SEC
JOB ENTERED ON THURSDAY			PLOTS	0	0	TAPE READ-WRITE	0:00.0	PRIORITY	00
						TAPE FILE SEARCH	0:00.0	APPROX. COST	\$5.07

JOB CONSOLE LOG

N 18.50.20 JOB 299 -- RMAKS; -- JCL INTERPRETED; TUCC CPU #2
 N 18.50.23 JOB 299 -- RMAKS; -- BEGINNING EXEC - INIT 3 - CLASS
 L 18.50.23 JOB 299 ++++S=068,T=02,J=RMAKS; 18:50:23 MAK
 N 18.51.06 JOB 299 END EXECUTION.

//RMAKS1 JOB RTI.A25.P03078,MAK,M=1,T=2,P=100,PTY=0

***PROCLIB=RTI.MG.PROCLIB

// EXEC HEC2

XXG EXEC PGM=HEC2,R=500K	00000010
XXSTEPLIB DD DSN=RTI.A25.P03078.JCW.LIB.LOAD,DISP=SHR	00000020
XXFT03F001 DD SYSOUT=A	00000030
XXFT01F001 DD DDNAME=SYSIN	00000040
XXFT91F001 DD DSN=8I91,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000050
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000060
XXFT92F001 DD DSN=8I92,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000070
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000080
XXFT93F001 DD DSN=8I93,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000090
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000100
XXFT94F001 DD DSN=8I94,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000110
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000120
XXFT95F001 DD DSN=8I95,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000130
XX DCB=(BUFNO=1,RECFM=VRS,LRECL=1000,BLKSIZE=6400)	00000140
XXFT96F001 DD DSN=8I96,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000150
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000160

//SYSIN DD *

//

IEF234I ALLOC. FOR RMAKS1 G

IEF237I 177 ALLOCATED TO STEPLIB

IEF237I 562 ALLOCATED TO FT03F001

IEF237I 502 ALLOCATED TO FT01F001

IEF237I 15C ALLOCATED TO FT91F001

IEF237I 15C ALLOCATED TO FT92F001

IEF237I 15C ALLOCATED TO FT93F001

IEF237I 15C ALLOCATED TO FT94F001

IEF237I 15C ALLOCATED TO FT95F001

IEF237I 15C ALLOCATED TO FT96F001

IEF142I - STEP WAS EXECUTED - COND CODE 0000

IEF285I RTI.A25.P03078.JCW.LIB.LOAD KEPT

IEF285I VOL SER NOS= RTI444.

IEF285I SYS77279.T185020.RV001.RMAKS1.I91 DELETED

IEF285I VOL SER NOS= SPARE7.

IEF285I SYS77279.T185020.RV001.RMAKS1.I92 DELETED

IEF285I VOL SER NOS= SPARE7.

IEF285I SYS77279.T185020.RV001.RMAKS1.I93 DELETED

IEF285I VOL SER NOS= SPARE7.

IEF285I SYS77279.T185020.RV001.RMAKS1.I94 DELETED

IEF285I VOL SER NOS= SPARE7.

IEF285I SYS77279.T185020.RV001.RMAKS1.I95 DELETED

IEF285I VOL SER NOS= SPARE7.

IEF285I SYS77279.T185020.RV001.RMAKS1.I96 DELETED

IEF285I VOL SER NOS= SPARE7.

G CDRE=500K TIME---0:21.3 UR--1163 RD/WR---0:00.0 RC-----0

G USED=234K CPU---0:06.9 DISK---449 REWIND---0:00.0

S I/O---0:12.5 TAPE-----0 FL SR---0:00.0

RMAKS1 TIME---0:21.3

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

T1 SPENCER-ROWAN CO. BASIN E STREAM 1A-IS ROWAN AVE. PARK STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK IN0 MINV IDIR STRT METRIC HVINS Q WSEL FQ
 -1. 2. 0. 0. 0.004000 0.0 0.0 0. 628.000 0.0

J2 NPROF IPLUT PRFVS XSECV XSECH FN ALLOC IBW CHNIM ITRACE
 0.0 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
 38.000 39.000 40.000 41.000 43.000 42.000 1.000 2.000 26.000 53.000
 54.000 25.000 50.000 0.0 201.000 0.0 0.0 0.0 0.0 0.0

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
 -10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0
 QT 5.000 493.000 863.000 1046.000 1482.000 1046.000 0.0 0.0 0.0 0.0
 ET 5.000 0.0 0.0 0.0 0.0 0.0 -10.400 0.0 0.0 0.0

X1	3000.000	35.000	3675.000	3693.000	3000.000	3000.000	3000.000	0.0	0.0	0.0
GR	674.400	1000.000	639.000	1100.000	632.700	1200.000	630.200	1251.000	629.700	1300.000
GR	629.500	1400.000	628.900	1500.000	628.300	1600.000	628.000	1672.000	628.400	1731.000
GR	627.500	1800.000	627.100	2000.000	626.900	2200.000	625.700	2400.000	625.500	2600.000
GR	626.400	2643.000	623.300	2652.000	623.100	2673.000	625.400	2686.000	625.100	2700.000
GR	624.900	2800.000	628.400	3000.000	625.700	3200.000	624.100	3400.000	624.200	3600.000
GR	624.300	3675.000	623.300	3678.000	623.000	3683.000	623.400	3688.000	624.400	3693.000
GR	624.600	3700.000	624.800	3900.000	626.000	4100.000	629.500	4137.000	645.700	4188.000
AT	5.000	330.000	600.000	741.000	1083.000	741.000	0.0	0.0	0.0	0.0

X1	4800.000	12.000	1174.000	1191.000	1800.000	1800.000	1800.000	0.0	0.0	0.0
GR	651.600	1000.000	641.700	1100.000	635.700	1136.000	635.500	1174.000	631.400	1176.000
GR	631.000	1181.000	631.300	1186.000	633.200	1191.000	635.100	1300.000	635.500	1336.000
GR	644.400	1400.000	651.600	1456.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	327.000	593.000	731.000	1068.000	731.000	0.0	0.0	0.0	0.0

X1	4920.000	11.000	1271.000	1284.000	120.000	120.000	120.000	0.0	-2.200	0.0
GR	654.900	1000.000	639.100	1100.000	636.300	1200.000	639.400	1271.000	634.800	1273.000
GR	634.900	1276.000	635.300	1279.000	638.200	1284.000	638.700	1293.000	651.100	1340.000
GR	654.900	1362.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

71 4970.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.300 0.0

GR	654,900	1276,000	635,500	1279,000	638,200	1284,000	638,700	1293,000	651,100	1340,000
GR	654,200	1362,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
X1	4970,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,300	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	5020,000	19,000	1315,700	1320,200	50,000	50,000	50,000	0,0	0,0	0,0
GR	655,700	1000,000	651,000	1064,000	638,500	1142,000	637,700	1242,000	638,800	1313,000
GR	636,600	1315,700	635,500	1316,000	634,500	1317,000	634,300	1318,000	634,500	1319,000
GR	635,500	1320,000	636,600	1320,200	637,600	1326,000	638,100	1335,000	641,800	1349,000
GR	643,800	1400,000	649,400	1500,000	654,000	1600,000	655,700	1632,000	0,0	0,0
SB	0,900	1,500	2,500	0,0	4,500	0,010	15,900	0,0	0,0	0,0
X1	5062,000	0,0	0,0	0,0	42,000	42,000	42,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	638,800	640,100	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	655,700	0,0	1100,000	648,600	0,0	1200,000	641,300	0,0
BT	1300,000	640,100	0,0	1315,700	640,500	636,600	1316,000	640,500	637,600	1317,000
BT	640,500	638,600	1318,000	640,500	638,800	1319,000	640,500	638,600	1320,000	640,500
BT	637,600	1320,200	640,500	636,600	1400,000	643,800	0,0	1500,000	649,400	0,0
BT	1600,000	654,000	0,0	1632,000	655,700	0,0	0,0	0,0	0,0	0,0
NC	0,095	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	5112,000	11,000	1271,000	1284,000	50,000	50,000	50,000	0,0	-0,300	0,0
GR	654,900	1000,000	639,100	1190,000	638,300	1200,000	639,400	1271,000	634,800	1273,000
GR	634,900	1276,000	635,300	1279,000	638,200	1284,000	638,700	1293,000	651,100	1340,000
GR	654,900	1362,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
X1	5162,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,300	0,0
BT	5,000	309,000	562,000	695,000	1020,000	695,000	0,0	0,0	0,0	0,0
X1	7021,000	15,000	1237,000	1264,000	1859,000	1859,000	1859,000	0,0	0,0	0,0
GR	675,400	1000,000	665,000	1100,000	657,900	1166,000	657,600	1237,000	652,900	1244,000
GR	652,000	1248,000	653,000	1252,000	658,800	1264,000	659,600	1300,000	667,800	1368,000
GR	669,900	1400,000	674,200	1500,000	675,400	1527,000	0,0	0,0	0,0	0,0
X1	7071,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,300	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	7121,000	16,000	1242,500	1251,500	50,000	50,000	50,000	0,0	0,0	0,0
GR	679,400	1000,000	666,700	1099,000	659,600	1165,000	659,300	1236,000	656,700	1242,500
GR	653,700	1242,500	653,700	1251,500	656,700	1251,500	660,500	1263,000	661,300	1299,000
GR	662,600	1309,000	665,700	1400,000	670,900	1500,000	675,400	1600,000	678,500	1700,000
GR	679,400	1738,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	9,000	0,010	54,000	0,0	0,0	0,0
X1	7178,000	0,0	0,0	0,0	57,000	57,000	57,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	659,700	661,700	0,0	0,0	0,0	0,0	0,0
BT	12,000	1000,000	679,400	0,0	1100,000	669,300	0,0	1150,000	664,900	0,0
BT	1200,000	662,400	0,0	1242,500	661,700	659,700	1251,500	661,700	659,700	1300,000
BT	662,100	0,0	1400,000	666,700	0,0	1500,000	670,900	0,0	1600,000	675,400
BT	0,0	1700,000	678,400	0,0	1738,000	679,400	0,0	0,0	0,0	0,0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	7228,000	15,000	1237,000	1264,000	50,000	50,000	50,000	2,000	0,0	0,0
GR	675,400	1000,000	665,000	1100,000	657,900	1166,000	657,600	1237,000	652,900	1244,000
GR	652,000	1248,000	653,000	1252,000	658,800	1264,000	659,600	1300,000	667,800	1368,000
GR	669,900	1400,000	674,200	1500,000	675,400	1527,000	0,0	0,0	0,0	0,0
X1	7278,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,200	0,0
BT	5,000	309,000	562,000	695,000	1020,000	695,000	0,0	0,0	0,0	0,0

GR	669,900	1400,000	674,200	1500,000	675,400	1527,000	0,0	0,0	0,0	0,0
X1	7278,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,200	0,0
QT	5,000	214,000	399,000	501,000	753,000	501,000	0,0	0,0	0,0	0,0
X1	8175,000	13,000	1166,000	1186,000	963,000	963,000	963,000	0,0	0,0	0,0
GR	686,300	1000,000	680,400	1045,000	670,200	1082,000	668,500	1100,000	669,000	1166,000
GR	664,200	1172,000	663,900	1174,000	663,900	1176,000	670,100	1186,000	669,900	1200,000
GR	675,900	1300,000	683,200	1400,000	686,300	1424,000	0,0	0,0	0,0	0,0
X1	8225,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,600	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	8275,000	21,000	1348,000	1352,000	50,000	50,000	50,000	0,0	0,0	0,0
GR	689,000	1000,000	683,100	1100,000	677,400	1200,000	675,100	1246,000	671,900	1258,000
GR	670,200	1276,000	670,700	1342,000	667,600	1348,000	665,900	1349,000	665,600	1350,000
GR	665,900	1351,000	667,600	1352,000	671,800	1362,000	671,600	1376,000	672,600	1395,000
GR	672,700	1400,000	676,300	1500,000	681,300	1600,000	685,500	1700,000	688,700	1800,000
GR	689,000	1814,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	4,000	0,010	12,600	0,0	0,0	0,0
X1	8325,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	669,600	672,100	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	689,000	0,0	1100,000	683,100	0,0	1200,000	677,400	0,0
BT	1300,000	672,500	0,0	1348,000	672,100	667,600	1349,000	672,100	669,300	1350,000
BT	672,100	669,600	1351,000	672,100	669,300	1352,000	672,100	667,600	1400,000	672,700
BT	0,0	1500,000	676,300	0,0	1600,000	681,300	0,0	1700,000	685,500	0,0
BT	1800,000	688,700	0,0	1814,000	689,000	0,0	0,0	0,0	0,0	0,0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	8375,000	13,000	1166,000	1186,000	50,000	50,000	50,000	0,0	2,200	0,0
GR	686,300	1000,000	680,400	1045,000	670,200	1082,000	668,500	1100,000	669,000	1166,000
GR	664,200	1172,000	663,900	1174,000	663,900	1176,000	670,100	1186,000	669,900	1200,000
GR	675,900	1300,000	683,200	1400,000	686,300	1424,000	0,0	0,0	0,0	0,0
X1	8425,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,500	0,0
QT	5,000	101,000	205,000	277,000	430,000	277,000	0,0	0,0	0,0	0,0
X1	8546,000	10,000	1089,000	1145,000	121,000	121,000	121,000	0,0	0,0	0,0
GR	691,900	1000,000	674,100	1023,000	673,600	1089,000	669,500	1092,000	669,400	1096,000
GR	669,400	1101,000	674,200	1105,000	676,700	1200,000	686,000	1300,000	691,900	1357,000
X1	8596,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,800	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	8646,000	16,000	1197,000	1205,000	50,000	50,000	50,000	0,0	0,0	0,0
GR	697,300	1000,000	686,600	1100,000	685,400	1114,000	675,800	1128,000	675,300	1194,000
GR	674,100	1197,000	671,100	1197,000	671,100	1205,000	674,100	1205,000	673,900	1210,000
GR	678,500	1305,000	683,000	1356,000	684,500	1400,000	688,600	1500,000	693,800	1600,000
GR	697,300	1653,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
CB	0,900	1,200	2,500	0,0	8,000	0,010	48,000	0,0	0,0	0,0
X1	8694,000	0,0	0,0	0,0	48,000	48,000	48,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	677,100	680,600	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	697,300	0,0	1100,000	686,600	0,0	1150,000	682,500	0,0
BT	1197,000	680,600	677,100	1205,000	680,600	677,100	1300,000	681,400	0,0	1400,000
BT	684,500	0,0	1509,000	688,600	0,0	1600,000	693,600	0,0	1673,000	697,300
BT	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

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

T1 SWEMMER-ROWAN CO. BASIN E STREAM 1A-1S ROWAN AVE. PARK STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6919
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.004000	0.0	0.0	0.	629.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

T1 SPENCER-ROWAN CO. BASIN E STREAM 1A-1S ROWAN AVE. PARK STREAM
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.004000	0.0	0.0	0.	630.000	0.0
J2	NPROF	IPLT	PRVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

T1 SPLNCR-RWAN CO. BASIN E. STREAM IA-IS. ROWAN AVE. PARK STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	YDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.004000	0.0	0.0	0.	631,000	0.0

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
3000.000	3000.00	0.0	0.0	493.00	623.00	624.87	0.0	3.28	2647.44	3912.05	338.53	0.0
A 3000.000	3000.00	0.0	0.0	863.00	623.00	625.13	0.0	3.71	2646.67	3955.80	542.61	0.26
3000.000	3000.00	0.0	0.0	1046.00	623.00	625.24	0.0	3.85	2646.37	3972.91	640.84	0.10
3000.000	3000.00	0.0	0.0	1482.00	623.00	625.44	0.0	4.13	2645.80	4006.08	853.95	0.20
<i>SPENCER CORP. LIMITS STA. 48100</i>												
4800.000	1800.00	0.0	0.0	330.00	631.00	634.51	634.19	8.04	1174.48	1189.28	41.03	0.0
* 4800.000	1800.00	0.0	0.0	600.00	631.00	636.16	636.16	6.57	1133.22	1340.77	178.16	1.65
* A 4800.000	1800.00	0.0	0.0	741.00	631.00	636.35	636.35	6.98	1132.13	1342.08	216.07	0.18
* 4800.000	1800.00	0.0	0.0	1083.00	631.00	636.68	636.68	7.84	1130.10	1344.50	287.65	0.34
* 4920.000	120.00	0.0	0.0	327.00	632.60	636.93	636.93	5.93	1099.84	1294.61	111.88	0.0
* 4920.000	120.00	0.0	0.0	593.00	632.60	637.35	637.35	6.77	1097.14	1296.23	193.29	0.43
* B 4920.000	120.00	0.0	0.0	731.00	632.60	637.48	637.48	7.30	1096.30	1296.73	219.97	0.13
* 4920.000	120.00	0.0	0.0	1068.00	632.60	637.75	637.75	8.43	1094.63	1297.73	273.12	0.26
* 4970.000	50.00	0.0	0.0	327.00	632.90	637.27	637.27	5.61	1099.53	1294.80	120.66	0.0
4970.000	50.00	0.0	0.0	593.00	632.90	637.73	0.0	6.20	1096.60	1296.55	210.50	0.46
4970.000	50.00	0.0	0.0	731.00	632.90	637.93	0.0	6.35	1095.33	1297.31	250.72	0.20
4970.000	50.00	0.0	0.0	1068.00	632.90	638.31	0.0	6.84	1092.91	1298.76	328.62	0.38
* 5020.000	50.00	0.0	0.0	327.00	634.30	638.58	638.58	6.28	1141.50	1336.82	107.89	0.0
* 5020.000	50.00	0.0	0.0	593.00	634.30	638.83	638.83	7.42	1139.93	1337.77	155.70	0.25
* 5020.000	50.00	0.0	0.0	731.00	634.30	638.93	638.93	7.82	1139.31	1338.15	175.45	0.10
* 5020.000	50.00	0.0	0.0	1068.00	634.30	639.14	639.14	8.63	1138.03	1338.93	216.59	0.21
5062.000	42.00	640.10	638.80	327.00	634.30	641.25	0.0	0.59	1124.82	1346.93	664.29	0.0
5062.000	42.00	640.10	638.80	593.00	634.30	641.78	0.0	0.87	1121.45	1348.98	785.70	0.53
5062.000	42.00	640.10	638.80	731.00	634.30	642.00	0.0	1.00	1120.13	1354.22	834.29	0.21
5062.000	42.00	640.10	638.80	1068.00	634.30	642.45	0.0	1.26	1117.36	1365.54	941.29	0.45
5112.000	50.00	0.0	0.0	327.00	634.50	641.25	0.0	1.01	1084.50	1303.80	611.27	0.0
5112.000	50.00	0.0	0.0	593.00	634.50	641.78	0.0	1.49	1081.11	1305.83	730.09	0.53
5112.000	50.00	0.0	0.0	731.00	634.50	642.00	0.0	1.70	1079.76	1306.64	778.21	0.21
5112.000	50.00	0.0	0.0	1068.00	634.50	642.45	0.0	2.16	1076.91	1308.34	881.21	0.45
5162.000	50.00	0.0	0.0	327.00	634.80	641.25	0.0	1.15	1086.38	1302.67	546.51	0.0
C 5162.000	50.00	0.0	0.0	593.00	634.80	641.79	0.0	1.68	1082.98	1304.71	664.09	0.54
5162.000	50.00	0.0	0.0	731.00	634.80	642.01	0.0	1.89	1081.62	1305.52	711.91	0.22
5162.000	50.00	0.0	0.0	1068.00	634.80	642.46	0.0	2.36	1078.76	1307.24	814.23	0.45

5162,000	50,00	0,0	0,0	731,00	634,80	642,01	0,0	1,89	1081,62	1305,52	711,91	0,22
5162,000	50,00	0,0	0,0	1068,00	634,80	642,46	0,0	2,36	1078,76	1307,24	814,23	0,45

SECNO	XLCH	ELTRD	ELLC	Q	ELFIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 7021,000	1859,00	0,0	0,0	309,00	652,00	655,58	655,58	8,35	1240,01	1257,33	37,02	0,0
* 7021,000	1859,00	0,0	0,0	562,00	652,00	656,71	656,71	9,52	1238,32	1259,69	59,03	1,14
* 7021,000	1859,00	0,0	0,0	695,00	652,00	657,21	657,21	9,91	1237,57	1260,72	70,14	0,50
* 7021,000	1859,00	0,0	0,0	1020,00	652,00	658,70	658,70	8,12	1158,55	1263,80	178,12	1,49
7071,000	50,00	0,0	0,0	309,00	652,30	656,63	0,0	6,03	1238,88	1258,91	51,27	0,0
7071,000	50,00	0,0	0,0	562,00	652,30	657,88	0,0	7,14	1237,04	1261,46	78,69	1,24
7071,000	50,00	0,0	0,0	695,00	652,30	658,56	657,49	6,77	1162,63	1262,89	133,04	0,68
7071,000	50,00	0,0	0,0	1020,00	652,30	659,13	0,0	7,67	1157,38	1265,22	191,46	0,57
* 7121,000	50,00	0,0	0,0	309,00	653,70	657,10	657,10	10,06	1241,50	1252,71	31,05	0,0
* 7121,000	50,00	0,0	0,0	562,00	653,70	658,95	658,95	10,40	1236,87	1258,32	61,29	1,85
* 7121,000	50,00	0,0	0,0	695,00	653,70	660,03	660,03	8,01	1160,96	1261,59	129,42	1,08
* 7121,000	50,00	0,0	0,0	1020,00	653,70	660,51	660,51	8,74	1156,56	1263,36	178,51	0,47
* 7178,000	57,00	661,70	659,70	309,00	653,70	657,16	0,0	9,38	1241,35	1252,90	31,74	0,0
7178,000	57,00	661,70	659,70	562,00	653,70	661,40	0,0	2,86	1148,23	1299,80	295,74	4,24
7178,000	57,00	661,70	659,70	695,00	653,70	662,54	0,0	2,05	1137,66	1308,54	479,00	1,14
7178,000	57,00	661,70	659,70	1020,00	653,70	663,23	0,0	2,30	1131,28	1327,41	604,57	0,69
7228,000	50,00	0,0	0,0	309,00	652,00	658,62	0,0	1,18	1314,90	1529,80	381,39	0,0
7228,000	50,00	0,0	0,0	562,00	652,00	661,48	0,0	0,82	1265,47	1631,16	1207,07	2,66
7228,000	50,00	0,0	0,0	695,00	652,00	662,58	0,0	0,76	1245,05	1649,38	1629,96	1,10
7228,000	50,00	0,0	0,0	1020,00	652,00	663,27	0,0	0,96	1232,09	1660,94	1920,34	0,70
7278,000	50,00	0,0	0,0	309,00	652,20	658,82	0,0	1,28	1318,54	1527,27	340,05	0,0
E 7278,000	50,00	0,0	0,0	562,00	652,20	661,48	0,0	0,87	1269,04	1627,98	1137,45	2,66
7278,000	50,00	0,0	0,0	695,00	652,20	662,58	0,0	0,80	1248,70	1646,12	1551,27	1,10
7278,000	50,00	0,0	0,0	1020,00	652,20	663,27	0,0	1,00	1235,73	1657,69	1837,04	0,70
* 8175,000	963,00	0,0	0,0	214,00	663,90	667,12	667,12	8,14	1168,35	1181,20	26,29	0,0
* 8175,000	963,00	0,0	0,0	399,00	663,90	668,27	668,27	9,28	1166,91	1183,05	42,97	1,15
* 8175,000	963,00	0,0	0,0	501,00	663,90	669,31	669,31	7,17	1091,42	1184,73	101,69	1,04
* 8175,000	963,00	0,0	0,0	753,00	663,90	669,78	669,78	8,10	1086,45	1185,48	146,82	0,47
8225,000	50,00	0,0	0,0	214,00	664,50	668,13	0,0	6,71	1167,83	1181,87	31,89	0,0
8225,000	50,00	0,0	0,0	399,00	664,50	669,33	668,78	7,62	1097,53	1183,80	54,62	1,20
* 8225,000	50,00	0,0	0,0	501,00	664,50	669,94	669,94	7,05	1091,13	1184,77	104,20	0,60
* 8225,000	50,00	0,0	0,0	753,00	664,50	670,42	670,42	7,89	1085,97	1185,56	151,26	0,49
* 8275,000	50,00	0,0	0,0	214,00	665,60	670,69	670,69	6,34	1270,76	1359,37	55,93	0,0
* 8275,000	50,00	0,0	0,0	399,00	665,60	671,11	671,11	7,53	1266,34	1360,36	94,03	0,42
* 8275,000	50,00	0,0	0,0	501,00	665,60	671,27	671,27	8,07	1264,66	1360,74	109,07	0,16
* 8275,000	50,00	0,0	0,0	753,00	665,60	671,61	671,61	8,93	1261,08	1376,18	142,38	0,34
8325,000	50,00	672,10	669,60	214,00	665,60	672,87	0,0	1,03	1254,35	1404,83	307,84	0,0
8325,000	50,00	672,10	669,60	399,00	665,60	673,36	0,0	1,47	1252,48	1418,69	386,86	0,50
8325,000	50,00	672,10	669,60	501,00	665,60	673,57	0,0	1,68	1251,75	1424,10	419,80	0,20
8325,000	50,00	672,10	669,60	753,00	665,60	673,98	0,0	2,10	1250,19	1435,60	493,91	0,41
8375,000	50,00	0,0	0,0	214,00	666,10	672,86	0,0	1,44	1080,33	1212,68	251,65	0,0
8375,000	50,00	0,0	0,0	399,00	666,10	673,35	0,0	2,14	1078,54	1220,89	319,51	0,49
8375,000	50,00	0,0	0,0	501,00	666,10	673,55	0,0	2,47	1077,81	1224,23	348,44	0,20
8375,000	50,00	0,0	0,0	753,00	666,10	673,96	0,0	3,18	1076,34	1231,01	409,66	0,41

BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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SECR0	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
8425.000	50.00	0.0	0.0	214.00	666.60	672.86	0.0	1.85	1082.36	1204.44	188.90	0.0
G 8425.000	50.00	0.0	0.0	399.00	666.60	673.36	0.0	2.67	1080.31	1212.74	252.37	0.50
8425.000	50.00	0.0	0.0	501.00	666.60	673.56	0.0	3.05	1079.58	1216.14	279.75	0.20
8425.000	50.00	0.0	0.0	753.00	666.60	673.97	0.0	3.83	1078.08	1223.02	337.86	0.41
8546.000	121.00	0.0	0.0	101.00	669.40	672.88	0.0	2.49	1089.52	1103.91	40.49	0.0
H 8546.000	121.00	0.0	0.0	205.00	669.40	673.32	0.0	4.37	1089.20	1104.27	46.88	0.44
8546.000	121.00	0.0	0.0	277.00	669.40	673.43	0.0	5.70	1089.12	1104.36	48.58	0.11
8546.000	121.00	0.0	0.0	430.00	669.40	673.50	0.0	8.68	1089.07	1104.42	49.56	0.07
8596.000	50.00	0.0	0.0	101.00	670.20	672.91	0.0	3.39	1090.09	1103.26	29.82	0.0
8596.000	50.00	0.0	0.0	205.00	670.20	673.41	0.0	5.61	1089.72	1103.68	36.57	0.50
8596.000	50.00	0.0	0.0	277.00	670.20	673.58	0.0	7.11	1089.60	1103.82	38.99	0.18
8596.000	50.00	0.0	0.0	430.00	670.20	674.01	0.0	9.50	1089.28	1104.18	45.26	0.42
* 8646.000	50.00	0.0	0.0	101.00	671.10	672.80	672.80	7.44	1197.00	1205.00	23.58	0.0
* 8646.000	50.00	0.0	0.0	205.00	671.10	673.83	673.83	9.38	1197.00	1205.00	21.85	1.03
* 8646.000	50.00	0.0	0.0	277.00	671.10	674.55	674.55	9.98	1195.87	1206.26	28.17	0.72
* 8646.000	50.00	0.0	0.0	430.00	671.10	676.20	676.20	6.86	1127.42	1220.93	95.88	1.55
* 8694.000	48.00	680.60	677.10	101.00	671.10	672.88	0.0	7.09	1197.00	1205.00	14.24	0.0
* 8694.000	48.00	680.60	677.10	205.00	671.10	673.95	0.0	8.98	1197.00	1205.00	22.83	1.07
8694.000	48.00	680.60	677.10	277.00	671.10	674.57	0.0	9.93	1195.83	1206.30	28.34	0.62
8694.000	48.00	680.60	677.10	430.00	671.10	676.20	0.0	6.85	1127.42	1220.98	96.02	1.63
8744.000	50.00	0.0	0.0	101.00	671.90	673.78	0.0	5.23	1090.70	1102.36	19.30	0.0
8744.000	50.00	0.0	0.0	205.00	671.90	675.23	0.0	5.38	1089.64	1103.77	38.09	1.45
8744.000	50.00	0.0	0.0	277.00	671.90	676.08	0.0	5.47	1089.02	1104.47	50.63	0.85
8744.000	50.00	0.0	0.0	430.00	671.90	676.03	0.0	8.60	1089.05	1104.44	49.98	-0.05
8794.000	50.00	0.0	0.0	101.00	672.70	674.26	674.23	6.46	1090.93	1102.30	15.63	0.0
8794.000	50.00	0.0	0.0	205.00	672.70	675.41	0.0	6.86	1090.08	1103.27	29.87	1.15
I 8794.000	50.00	0.0	0.0	277.00	672.70	676.21	0.0	6.78	1089.50	1103.93	40.85	0.80
8794.000	50.00	0.0	0.0	430.00	672.70	676.52	0.0	9.49	1089.28	1104.18	45.30	0.31
* 8978.000	184.00	0.0	0.0	30.00	677.20	679.16	679.16	5.70	1195.55	1200.91	5.26	0.0
* 8978.000	184.00	0.0	0.0	69.00	677.20	679.99	679.99	6.44	1190.94	1202.84	11.40	0.83
* 8978.000	184.00	0.0	0.0	95.00	677.20	680.41	680.41	6.53	1186.65	1206.57	18.00	0.41
* 8978.000	184.00	0.0	0.0	167.00	677.20	681.08	681.08	7.11	1179.70	1212.63	35.80	0.67
* 9028.000	50.00	0.0	0.0	30.00	679.60	681.57	681.57	5.68	1195.54	1200.91	5.28	0.0
* 9028.000	50.00	0.0	0.0	69.00	679.60	682.39	682.39	6.45	1190.96	1202.83	11.37	0.83
* 9028.000	50.00	0.0	0.0	95.00	679.60	682.81	682.81	6.52	1186.64	1206.59	18.03	0.42
* 9028.000	50.00	0.0	0.0	167.00	679.60	683.46	683.46	7.21	1179.91	1212.44	35.12	0.65
* 9078.000	50.00	0.0	0.0	30.00	682.00	684.12	684.12	6.34	1518.40	1523.98	5.65	0.0
* 9078.000	50.00	0.0	0.0	69.00	682.00	685.02	685.02	6.56	1511.56	1527.91	14.09	0.90
* 9078.000	50.00	0.0	0.0	95.00	682.00	685.29	685.29	6.97	1508.80	1530.31	19.16	0.27
* 9078.000	50.00	0.0	0.0	167.00	682.00	685.82	685.82	7.47	1503.36	1535.05	33.17	0.53
* 9403.000	325.00	696.60	692.70	30.00	690.70	692.90	0.0	5.92	1518.29	1524.11	6.09	0.0
9403.000	325.00	696.60	692.70	69.00	690.70	696.86	0.0	0.60	1478.21	1786.90	180.97	3.96
9403.000	325.00	696.60	692.70	95.00	690.70	696.58	0.0	0.76	1476.88	1805.45	210.79	0.13
9403.000	325.00	696.60	692.70	167.00	690.70	697.18	0.0	1.13	1474.75	1817.99	266.80	0.20

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 9453.000	50.00	0.0	0.0	30.00	693.10	695.06	695.06	5.70	1195.55	1200.91	5.26	0.0
9453.000	50.00	0.0	0.0	69.00	693.10	696.76	0.0	3.43	1182.00	1210.63	28.94	1.69
9453.000	50.00	0.0	0.0	95.00	693.10	696.80	0.0	4.58	1181.57	1211.00	30.16	0.05
* 9453.000	50.00	0.0	0.0	167.00	693.10	696.96	696.96	7.24	1179.97	1212.39	34.92	0.15
* 9503.000	50.00	0.0	0.0	30.00	695.50	697.47	697.47	5.68	1195.54	1200.91	5.28	0.0
* 9503.000	50.00	0.0	0.0	69.00	695.50	698.29	698.29	6.45	1190.96	1202.83	11.37	0.83
* K 9503.000	50.00	0.0	0.0	95.00	695.50	698.71	698.71	6.53	1186.67	1206.56	17.97	0.42
* 9503.000	50.00	0.0	0.0	167.00	695.50	699.37	699.37	7.16	1179.80	1212.54	35.46	0.66
* 9778.000	275.00	0.0	0.0	30.00	706.30	707.78	707.78	5.66	1255.46	1260.85	5.30	0.0
* L 9778.000	275.00	0.0	0.0	69.00	706.30	708.66	708.66	6.19	1247.38	1261.95	12.54	0.87
* 9778.000	275.00	0.0	0.0	95.00	706.30	709.03	709.03	6.35	1241.17	1264.16	19.50	0.37
* 9778.000	275.00	0.0	0.0	167.00	706.30	709.63	709.63	7.08	1231.19	1268.08	37.44	0.60

SUMMARY OF ERRORS

CAUTION SECNO= 4800.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4800.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4800.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4800.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4800.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4800.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4920.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4920.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4920.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4920.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4920.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4920.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4920.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4920.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4920.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4920.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4970.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4970.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 5020.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5020.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5020.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5020.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5020.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5020.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5020.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5020.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5020.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5020.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5020.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5020.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7021.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7021.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7021.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7021.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 9503.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9503.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9503.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9503.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9503.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 9778.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9778.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9778.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9778.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9778.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9778.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9778.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 9778.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9778.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 9778.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10C	2C	0.2C
3000.000	0.	-0.4	-0.1	0.2
4800.000	1800.	-1.8	-0.2	0.3
4920.000	1920.	-0.6	-0.1	0.3
4970.000	1970.	-0.7	-0.2	0.4
5020.000	2020.	-0.4	-0.1	0.2
5062.000	2062.	-0.7	-0.2	0.4
5112.000	2112.	-0.7	-0.2	0.4
5162.000	2162.	-0.8	-0.2	0.5
7021.000	4021.	-1.6	-0.5	1.5
7071.000	4071.	-1.9	-0.7	0.6
7121.000	4121.	-2.9	-1.1	0.5
7178.000	4178.	-5.4	-1.1	0.7
7228.000	4228.	-3.8	-1.1	0.7
7278.000	4278.	-3.8	-1.1	0.7
8175.000	5241.	-2.2	-1.0	0.5
8225.000	5291.	-1.8	-0.6	0.5
8275.000	5341.	-0.6	-0.2	0.3
8325.000	5391.	-0.7	-0.2	0.4
8375.000	5441.	-0.7	-0.2	0.4
8425.000	5491.	-0.7	-0.2	0.4
8546.000	5612.	-0.6	-0.1	0.1
8596.000	5662.	-0.7	-0.2	0.4
8646.000	5712.	-1.8	-0.7	1.6
8694.000	5760.	-1.7	-0.6	1.6
8744.000	5810.	-2.3	-0.9	-0.0
8794.000	5860.	-2.0	-0.8	0.3
8973.000	6044.	-1.2	-0.4	0.7
9023.000	6094.	-1.2	-0.4	0.7
9078.000	6144.	-1.2	-0.3	0.5
9403.000	6469.	-4.1	-0.1	0.2
9453.000	6519.	-1.7	-0.0	0.2
9503.000	6569.	-1.2	-0.4	0.7
9778.000	6844.	-1.2	-0.4	0.6
WEIGHTED AVG FOR REACH		-1.6	-0.4	0.6

FHF FOR THE REACH = 0.15 WITH 68.50 OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = 4 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10C	1C	DIFF.			

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10L	1L	DIFF.			
	0.					SEC. 3000.000	
1	100.	625.1	625.5	-0.4	-0.4	005	100.
2	200.	625.7	626.2	-0.5	-0.4	005	100.
3	300.	626.2	626.4	-0.6	-0.5	005	100.
4	400.	626.7	627.4	-0.7	-0.5	005	100.
5	500.	627.3	628.0	-0.7	-0.6	005	100.
6	600.	627.8	628.6	-0.8	-0.6	005	100.
7	700.	628.4	629.2	-0.9	-0.7	005	100.
8	800.	628.9	629.9	-1.0	-0.7	005	100.
9	900.	629.4	630.5	-1.1	-0.7	005	100.
10	1000.	630.0	631.1	-1.1	-0.8	010	100.
11	1100.	630.5	631.7	-1.2	-0.8	010	100.
12	1200.	631.0	632.3	-1.3	-0.9	010	100.
13	1300.	631.6	633.0	-1.4	-0.9	010	100.
14	1400.	632.1	633.6	-1.5	-0.9	010	86.
15	1500.	632.6	634.2	-1.5	-1.0	010	87.
16	1600.	633.2	634.8	-1.6	-1.0	010	75.
17	1700.	633.7	635.4	-1.7	-1.1	010	76.
18	1800.					SEC. 4800.000	
18	1800.	634.2	636.0	-1.8	-1.1	010	67.
19	1900.	635.5	636.8	-1.3	-1.1	010	68.
19	1920.					SEC. 4920.000	
19	1970.					SEC. 4970.000	
20	2000.	637.7	638.2	-0.6	-1.1	010	65.
20	2020.					SEC. 5020.000	
20	2062.					SEC. 5062.000	
21	2100.	641.2	642.0	-0.7	-1.1	010	71.
21	2112.					SEC. 5112.000	
21	2162.					SEC. 5162.000	
22	2200.	641.4	642.2	-0.8	-1.1	010	77.
23	2300.	641.9	642.7	-0.8	-1.0	010	74.
24	2400.	642.7	643.5	-0.8	-1.0	010	75.
25	2500.	643.5	644.4	-0.9	-1.0	010	76.
26	2600.	644.2	645.2	-0.9	-1.0	010	77.
27	2700.	645.0	646.0	-1.0	-1.0	010	78.
28	2800.	645.6	646.8	-1.0	-1.0	010	79.
29	2900.	646.6	647.6	-1.1	-1.0	010	79.
30	3000.	647.3	648.5	-1.1	-1.0	010	80.
31	3100.	648.1	649.3	-1.2	-1.0	010	81.
32	3200.	648.9	650.1	-1.2	-1.0	010	81.
33	3300.	649.6	650.9	-1.3	-1.0	010	82.
34	3400.	650.4	651.7	-1.3	-1.1	010	85.
35	3500.	651.2	652.5	-1.4	-1.1	010	86.
36	3600.	651.9	653.4	-1.4	-1.1	010	81.
37	3700.	652.7	654.2	-1.5	-1.1	010	81.
38	3800.	653.5	655.0	-1.5	-1.1	010	82.
39	3900.	654.3	655.8	-1.5	-1.1	010	82.
40	4000.	655.0	656.6	-1.6	-1.1	010	83.
40	4021.					SEC. 7021.000	
40	4071.					SEC. 7071.000	
41	4100.	656.8	659.0	-2.2	-1.1	010	83.
41	4121.					SEC. 7121.000	
41	4170.					SEC. 7170.000	
42	4200.	657.5	662.5	-5.0	-1.2	010	79.
42	4220.					SEC. 7220.000	
42	4270.					SEC. 7270.000	
43	4300.	658.9	662.7	-3.7	-1.3	015	72.
44	4400.	659.4	663.1	-3.6	-1.3	015	66.
45	4500.	660.3	663.8	-3.5	-1.4	015	60.
46	4600.	661.2	664.5	-3.3	-1.4	015	57.
47	4700.	662.0	665.2	-3.1	-1.5	015	55.
48	4800.	662.9	665.9	-3.0	-1.5	015	50.
49	4900.	663.8	666.6	-2.8	-1.5	015	49.
50	5000.	664.6	667.3	-2.7	-1.6	015	46.
51	5100.	665.5	668.0	-2.5	-1.6	015	43.
52	5200.	666.3	668.7	-2.3	-1.6	015	40.

49	4900.	663.8	666.6	-2.8	-1.5	015	49.
50	5000.	664.6	667.3	-2.7	-1.6	015	46.
51	5100.	665.5	668.0	-2.5	-1.6	015	45.
52	5200.	666.3	668.7	-2.3	-1.6	015	40.
	5241.					SEC. 8175,000	
	5291.					SEC. 8225,000	
53	5300.	668.4	670.1	-1.7	-1.6	015	42.
	5341.					SEC. 8275,000	
	5391.					SEC. 8325,000	
54	5400.	672.9	673.6	-0.7	-1.6	015	43.
	5441.					SEC. 8375,000	
	5491.					SEC. 8425,000	
55	5500.	672.9	673.6	-0.7	-1.6	015	44.
56	5600.	672.9	673.5	-0.6	-1.5	015	43.
	5612.					SEC. 8546,000	
	5662.					SEC. 8596,000	
57	5700.	672.9	674.0	-1.1	-1.5	015	44.
	5712.					SEC. 8646,000	
	5760.					SEC. 8694,000	
58	5800.	673.2	675.2	-1.9	-1.5	015	45.
	5810.					SEC. 8744,000	
	5860.					SEC. 8794,000	
59	5900.	674.8	676.7	-1.9	-1.5	015	46.
60	6000.	676.7	678.3	-1.6	-1.5	015	47.
	6044.					SEC. 8978,000	
	6094.					SEC. 9028,000	
61	6100.	681.7	683.0	-1.2	-1.5	015	48.
	6144.					SEC. 9078,000	
62	6200.	683.8	685.2	-1.5	-1.5	015	48.
63	6300.	687.0	689.1	-2.1	-1.5	015	48.
64	6400.	689.7	692.7	-3.0	-1.6	015	45.
	6469.					SEC. 9403,000	
65	6500.	692.6	695.7	-3.0	-1.6	015	42.
	6519.					SEC. 9453,000	
	6569.					SEC. 9503,000	
66	6600.	698.0	699.3	-1.2	-1.6	015	42.
67	6700.	700.5	701.7	-1.2	-1.6	015	45.
68	6800.	704.3	705.5	-1.2	-1.6	015	47.
	6844.					SEC. 9778,000	

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 41 68
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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

EU

MAK

RNAKS1

19-PAGES

944-LINES

0-PLOTS # RTI.A25.P03078

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