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SPENCER, N.C.  
LOMAX CREEK

PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND		JOB PARAMETERS		TIME USED INCLUDES		MISC. JOB VALUES	
DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT		
ENTERED	10/06/77 13:57:53.3	TIME	2:00.0 0:12.4	CPU	0:01.9	LINES IN	52
EXECUTED	10/06/77 18:25:25.0	PAGES	100 0	UR EXCPS	436 0:01.7	LINES OUT	300
RETURNED	10/07/77 12:32:57.3	CARDS	0 0	DISK EXCPS	436 0:08.7	MEMORY TIME	6190 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	\$2.24

JOB CONSOLE LOG

```

N 18.25.22 JOB 117 -- RMAK5 -- JCL INTERPRETED, TUCC CPU #2
N 18.25.24 JOB 117 -- RMAK5 -- BEGINNING EXEC - INIT 5 - CLASS
L 18.25.25 JOB 117 +++++S=066,T=02,J=RMAK5 18:25:25 KEZIAH
N 18.26.23 JOB 117 END EXECUTION.

```

MADE IN U.S.A.

//RMAKS5 JOB RTI.A25.P03078,KEZIAH,M=1,T=2,P=100,PRTY=0

\*\*\*PROCLIB=RTI.MG.PROCLTB

// EXEC REC2

XXG EXEC PGM=REC2,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=8191,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000050
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000060
XXFT92F001 DD DSN=8192,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000070
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000080
XXFT93F001 DD DSN=8193,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000090
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000100
XXFT94F001 DD DSN=8194,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000110
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000120
XXFT95F001 DD DSN=8195,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000130
XX DCB=(BUFNO=1,RECFM=VBS,LRECL=1000,BLKSIZE=6400)	00000140
XXFT96F001 DD DSN=8196,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000150
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000160

//SYSIN DD \*

//

IEF236I ALLOC. FOR RMAKS5 6  
IEF237I 177 ALLOCATED TO STEPLIB  
IEF237I 562 ALLOCATED TO FT03F001  
IEF237I 502 ALLOCATED TO FT01F001  
IEF237I 150 ALLOCATED TO FT91F001  
IEF237I 150 ALLOCATED TO FT92F001  
IEF237I 150 ALLOCATED TO FT93F001  
IEF237I 150 ALLOCATED TO FT94F001  
IEF237I 150 ALLOCATED TO FT95F001  
IEF237I 150 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.T182522.RV001.RMAKS5.191	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T182522.RV001.RMAKS5.192	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T182522.RV001.RMAKS5.193	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T182522.RV001.RMAKS5.194	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T182522.RV001.RMAKS5.195	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T182522.RV001.RMAKS5.196	DELETED
IEF285I VOL SER NOS= SPARE7.	

5	CORE=500K	TIME---0:10.8	JR---384	RD/WR---0:00.0	RC-----0
5	USED=234K	CPU---0:01.9	DISK---410	REWIND---0:00.0	
3		I/O---0:08.9	TAPE-----0	FL SR---0:00.0	

RMAKS5 TIME---0:10.8



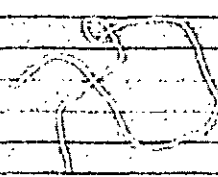
\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52  
\*\*\*\*\*

T1 SPENCER-ROWAN CO. BASIN E STRM 3-55 LOMAX CREEK  
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.017000	0.0	0.0	0.	635,000	0.0
J2	MPROF	IPLOT	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



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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

\*\*\*\*\*

T1 SPENCER-ROWAN CO. BASIN E STRM 3-55 LONAX CREEK  
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.017000	0.0	0.0	0.	636.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

\*\*\*\*\*

T1 SPENCER-ROWAN CO. BASIN E STRM 3-59 LONAX CREEK  
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918  
T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.017000	0.0	0.0	0.	637.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	16.000	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  
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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	WSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
200.000	200.00	0.0	0.0	208.00	624.50	627.36	0.0	0.0	2004.04	2265.98	86.26	0.0
A 200.000	200.00	0.0	0.0	391.00	624.50	627.60	0.0	0.0	1991.27	2266.38	142.27	0.23
200.000	200.00	0.0	0.0	492.00	624.50	627.70	0.0	0.0	1982.12	2266.56	168.62	0.10
200.000	200.00	0.0	0.0	743.00	624.50	627.90	0.0	0.0	1963.41	2266.92	226.67	0.21
<i>SPENCER CORP LIMITS STA 6+80</i>												
* 680.000	480.00	0.0	0.0	172.00	635.70	638.68	638.68	8.19	1116.25	1126.52	21.01	0.0
* A 580.000	480.00	0.0	0.0	328.00	635.70	640.29	640.29	6.92	1079.04	1143.55	74.27	1.61
* 580.000	480.00	0.0	0.0	415.00	635.70	640.56	640.56	7.40	1077.69	1147.04	92.54	0.27
* 680.000	480.00	0.0	0.0	635.00	635.70	640.99	640.99	8.87	1075.56	1152.52	123.81	0.43
* 1570.000	890.00	0.0	0.0	134.00	666.50	669.39	669.39	7.92	1158.48	1167.19	16.91	0.0
* B 1570.000	890.00	0.0	0.0	252.00	666.50	670.51	670.51	9.05	1155.10	1168.63	28.11	1.12
* 1570.000	890.00	0.0	0.0	319.00	666.50	671.56	671.56	7.21	1140.61	1200.69	62.95	1.05
* 1570.000	890.00	0.0	0.0	490.00	666.50	672.11	672.11	8.06	1132.96	1207.21	100.19	0.55

SUMMARY OF ERRORS

CAUTION	SECNO= 680.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 680.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 680.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 680.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 680.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 680.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 680.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 680.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 680.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1570.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1570.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1570.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1570.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1570.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1570.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1570.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1570.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1570.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1570.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1570.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO= 1570.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO= 1570.000 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
200,000	0.	-0.3	-0.1	0.2
680,000	480.	-1.9	-0.3	0.4
1570,000	1370.	-2.2	-1.0	0.6
WEIGHTED AVG FOR REACH		-1.7	-0.5	0.4

FHF FOR THE REACH = 015 WITH 65.0c OF THE REACH WITHIN 0.5 FEET  
 ZONE FOR THE REACH = A 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10c	1c	DIFF.			
	0.				SEC.	200,000	
1	480.	633.0	634.1	-1.1	-1.1	010	100.
	480.				SEC.	600,000	
2	960.	647.0	648.9	-2.0	-1.5	015	100.
	1370.				SEC.	1570.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS  
 INPUT 200 WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END  
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 2 2  
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.



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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

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