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ROWAN COUNTY
TOWN OF GRANITE QUARRY
KLUTZ BRANCH

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	16:01:30.9	TIME	2:00.0	0:13.0	CPU	0:02.2	LINES IN 67
EXECUTED	10/06/77	18:50:31.6	PAGES	100	10	UR EXCPS	468	0:01.9
RETURNED	10/07/77	12:45:36.5	CARDS	0	0	DISK EXCPS	447	0:08.9
JOB ENTERED ON THURSDAY			PLCTS	0	0	TAPE READ-WRITE	0:00.0	MEMORY TIME 6500 K-SEC
						TAPE FILE SEARCH	0:00.0	PRIORITY 00
								APPROX. COST \$2.38

JOB CONSOLE LOG

N 18.50.28 JOB 1423 -- RMAK2 -- JCL INTERPRETED, TUCC CPU #2
 N 18.50.31 JOB 1423 -- RMAK2 -- BEGINNING EXEC - INIT 6 - CLASS
 L 18.50.31 JOB 1423 +++S=058,T=02,J=RMAK2 18:50:31 KEZIAH
 N 18.51.18 JOB 1423 END EXECUTION.

MADE IN U.S.A.

//RMAKG2 JOB RTI.A25.P03078,KEZIAH,M=1,T=2,P=100,PKTY=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 DL DSN=&I91,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000050
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000060
XXFT92F001 DD DSN=&I92,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000070
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000080
XXFT93F001 DD DSN=&I93,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000090
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000100
XXFT94F001 DD DSN=&I94,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000110
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000120
XXFT95F001 DD DSN=&I95,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000130
XX DCB=(BUFNO=1,RECFM=VRS,LRECL=1000,BLKSIZE=6400)	00000140
XXFT96F001 DD DSN=&I96,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 RMAKG2 G

IEF237I 177 ALLOCATED TO STEPLIB
IEF237I 566 ALLOCATED TO FT03F001
IEF237I 505 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.T185028.RV001.RMAKG2.I91	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T185028.RV001.RMAKG2.I92	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T185028.RV001.RMAKG2.I93	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T185028.RV001.RMAKG2.I94	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T185028.RV001.RMAKG2.I95	DELETED
IEF285I VOL SER NOS= SPARE7.	
IEF285I SYS77279.T185028.RV001.RMAKG2.I96	DELETED
IEF285I VOL SER NOS= SPARE7.	

G	CORE=500K	TIME---0:11.2	UR---416	RD/WR---0:00.0	RC-----0
G	USED=234K	CPU---0:02.2	DISK---421	REWIND---0:00.0	
G		I/O---0:09.0	TAPE-----0	FL SR---0:00.0	

RMAKG2 TIME--0:11.2

BOM

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

T1 GRANITE QUARRY-ROWAN CO. STRM 260 UNNAMED
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.001000	0.0	0.0	0.	762.500	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALDCC	IBW	CHNIM	YTRACE
	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	132.000	265.000	342.000	543.000	342.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	150.000	11.000	1145.000	1165.000	150.000	150.000	150.000	0.0	-1.900	0.0
GR	777.300	1000.000	766.800	1100.000	763.400	1145.000	759.400	1153.000	759.400	1155.000
GR	759.400	1157.000	765.000	1165.000	767.000	1200.000	772.400	1300.000	775.500	1400.000
GR	777.300	1430.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	200.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	250.000	17.000	1196.100	1203.800	50.000	50.000	50.000	0.0	0.0	0.0
GR	777.300	1000.000	769.900	1100.000	765.900	1145.000	762.500	1190.000	759.500	1196.100
GR	758.500	1196.100	758.500	1203.800	759.500	1203.800	764.100	1210.000	764.700	1220.000
GR	764.900	1300.000	765.300	1400.000	764.900	1472.000	765.500	1500.000	770.800	1600.000
GR	776.300	1700.000	777.800	1760.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	7.700	0.010	29.000	0.0	0.0	0.0

X1	285.000	0.0	0.0	0.0	35.000	35.000	35.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	763.100	764.700	0.0	0.0	0.0	0.0	0.0
BT	18.900	1000.000	777.800	0.0	1100.000	769.900	0.0	1196.100	764.700	759.500
BT	1196.400	767.700	760.800	1197.000	764.700	761.800	1198.000	764.700	762.600	1200.000
BT	764.700	763.100	1202.000	764.700	762.600	1203.000	764.700	761.800	1203.500	764.700
BT	760.800	1203.800	764.700	759.500	1300.000	764.900	0.0	1400.000	765.300	0.0
BT	1472.000	764.900	0.0	1500.000	765.500	0.0	1600.000	770.800	0.0	1700.000
BT	776.300	0.0	1760.000	777.800	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 GRANITE QUARRY-ROWAN CO. STRM 260 UNNAMED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIISON COUNTIES M-G JOB NO. 6910
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.001000	0.0	0.0	0.	764.500	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

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

T1 GRANITE HARRY-ROWAN CO. STRM 260 UNNAMED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES MFG JOB NO. 6918
T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.001000	0.0	0.0	0.	765.500	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

 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	ENOST	AREA	DIFWSP
A 150.000	150.00	0.0	0.0	132.00	757.50	762.01	0.0	2.50	1138.25	1163.44	54.37	0.0
A 150.000	150.00	0.0	0.0	265.00	757.50	763.39	0.0	3.09	1120.00	1170.04	103.70	1.38
A 150.000	150.00	0.0	0.0	342.00	757.50	763.91	0.0	3.36	1113.07	1179.21	134.11	0.52
A 150.000	150.00	0.0	0.0	543.00	757.50	764.92	0.0	3.85	1099.77	1196.91	216.72	1.01
200.000	50.00	0.0	0.0	132.00	758.00	762.04	0.0	2.98	1144.30	1162.79	44.38	0.0
200.000	50.00	0.0	0.0	265.00	758.00	763.41	0.0	3.63	1126.34	1164.73	82.96	1.36
200.000	50.00	0.0	0.0	342.00	758.00	763.93	0.0	3.94	1119.49	1170.72	105.66	0.52
200.000	50.00	0.0	0.0	543.00	758.00	764.93	0.0	4.52	1106.27	1188.21	172.18	1.00
250.000	50.00	0.0	0.0	132.00	758.50	762.06	0.0	3.96	1190.90	1207.25	38.48	0.0
250.000	50.00	0.0	0.0	265.00	758.50	763.41	0.0	4.84	1177.93	1209.07	68.35	1.35
250.000	50.00	0.0	0.0	342.00	758.50	763.93	0.0	5.17	1171.03	1209.78	86.55	0.52
250.000	50.00	0.0	0.0	543.00	758.50	764.98	0.0	5.42	1157.12	1475.94	157.12	1.04
B 285.000	35.00	764.70	763.10	132.00	758.50	762.06	0.0	3.96	1190.89	1207.25	38.49	0.0
B 285.000	35.00	764.70	763.10	265.00	758.50	764.92	0.0	2.73	1157.94	1473.06	146.75	2.86
B 285.000	35.00	764.70	763.10	342.00	758.50	765.19	0.0	3.00	1154.41	1485.48	204.85	0.27
B 285.000	35.00	764.70	763.10	543.00	758.50	765.53	0.0	3.60	1149.92	1500.53	317.99	0.34
335.000	50.00	0.0	0.0	132.00	759.40	761.91	0.0	6.31	1147.97	1160.60	20.93	0.0
335.000	50.00	0.0	0.0	265.00	759.40	764.87	0.0	3.56	1125.59	1164.81	85.18	2.96
335.000	50.00	0.0	0.0	342.00	759.40	765.09	0.0	4.27	1122.67	1166.52	94.25	0.22
335.000	50.00	0.0	0.0	543.00	759.40	765.21	0.0	6.49	1120.95	1168.79	100.21	0.12
385.000	50.00	0.0	0.0	132.00	759.90	762.60	0.0	5.67	1147.60	1160.85	23.27	0.0
385.000	50.00	0.0	0.0	265.00	759.90	764.91	0.0	4.18	1131.63	1164.16	68.81	2.31
B 385.000	50.00	0.0	0.0	342.00	759.90	765.14	0.0	4.97	1128.53	1164.49	76.83	0.23
B 385.000	50.00	0.0	0.0	543.00	759.90	765.34	0.0	7.39	1126.04	1164.76	83.85	0.20
* 1230.000	845.00	0.0	0.0	98.00	771.20	773.76	773.76	6.42	1086.86	1119.29	26.83	0.0
C 1230.000	845.00	0.0	0.0	201.00	771.20	774.32	774.32	7.98	1083.69	1128.74	48.81	0.57
C 1230.000	845.00	0.0	0.0	263.00	771.20	774.57	774.57	8.64	1082.31	1132.84	60.57	0.25
* 1230.000	845.00	0.0	0.0	425.00	771.20	775.12	775.12	9.59	1079.23	1142.03	91.80	0.55

SUMMARY OF ERRORS

CAUTION SECNO= 1230.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1230.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1230.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1230.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1230.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1230.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1230.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1230.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1230.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1230.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1230.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1230.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

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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
150,000	0.	-1.9	-0.5	1.0
200,000	50.	-1.9	-0.5	1.0
250,000	100.	-1.9	-0.5	1.0
285,000	135.	-3.1	-0.3	0.3
335,000	185.	-3.2	-0.2	0.1
385,000	235.	-2.5	-0.2	0.2
1230,000	1080.	-0.8	-0.2	0.6
WEIGHTED AVG FOR REACH		-1.8	-0.3	0.4

FHF FOR THE REACH = 0.20 WITH 87.5% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 4

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

EJ

KEZIAH

RMAKG2

10-PAGES

320-LINES

0-PLOTS # RTI.A25.P03078

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