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ROWAN COUNTY
TOWN OF GRANIT QUARRY
TREXLER CREEK

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

PROGRAMMER=MAK ACCOUNT=RTI.A25.PD3078

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

	DATE	TIME	SPECIFIED	USED		NO.	EQUIVALENT		
ENTERED	10/06/77	16:00:04.5	TIME	2:00.0	0:32.7	CPU	0:15.5	LINES IN	293
EXECUTED	10/06/77	18:50:29.1	PAGES	200	26	UR EXCPS	1781	0:07.1	LINES OUT 1396
RETURNED	10/07/77	12:54:38.1	CARDS	0	0	DISK EXCPS	501	0:10.0	MEMORY TIME 16345 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 \$7.48

JOB CONSOLE LOG

N 18.50.26 JOB 388 -- RMK3G0 -- JCL INTERPRETED, TUCC CPU #2
N 18.50.28 JOB 388 -- RMK3G0 -- BEGINNING EXEC - INIT 5 - CLASS
L 18.50.29 JOB 388 +++++S=068,T=02,J=RMK3G0 18:50:29 MAK
N 18.52.15 JOB 388 END EXECUTION.

MADE IN U.S.A.

//RMK3GQ JOB RTI.A25.P03078.MAK.M=1.T=2.P=200.PRTY=0

***PROCLIB=RTI.MG.PROCLTP

// EXEC HEC2

XXG EXEC PGM=HEC2,R=500R	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=&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 *

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IEF236I ALLOC. FOR RMK3GQ G
IEF237I 177 ALLOCATED TO STEPLIB
IEF237I 565 ALLOCATED TO FT03F001
IEF237I 504 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.T185026.RV001.RMK3GQ.I91	DELETED
IEF285I	VOL SER NOS= SPARE7.	
IEF285I	SYS77279.T185026.RV001.RMK3GQ.I92	DELETED
IEF285I	VOL SER NOS= SPARE7.	
IEF285I	SYS77279.T185026.RV001.RMK3GQ.I93	DELETED
IEF285I	VOL SER NOS= SPARE7.	
IEF285I	SYS77279.T185026.RV001.RMK3GQ.I94	DELETED
IEF285I	VOL SER NOS= SPARE7.	
IEF285I	SYS77279.T185026.RV001.RMK3GQ.I95	DELETED
IEF285I	VOL SER NOS= SPARE7.	
IEF285I	SYS77279.T185026.RV001.RMK3GQ.I96	DELETED
IEF285I	VOL SER NOS= SPARE7.	

G CORE=500K TIME---0:30.9 UR--1729 RD/WR---0:00.0 RC-----0

G USED=234K CPU---0:15.5 DISK---475 REWIND---0:00.0

G I/O---0:15.3 TAPE-----0 FL SR---0:00.0

RMK3GQ TIME--0:30.9

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

T1 GRANITE QUARRY-ROWAN CO. STRM 3-360 UNNAMED
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.005000	0.0	0.0	0.	702.600	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	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
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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	687.000	1195.000	1436.000	2003.000	1436.000	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	280.000	19.000	1588.000	1620.000	280.000	280.000	280.000	0.0	0.0	0.0
GR	720.200	1000.000	707.700	1100.000	703.800	1200.000	703.300	1300.000	702.900	1400.000
GR	703.200	1500.000	703.700	1588.000	698.400	1594.000	697.600	1600.000	698.200	1606.000
GR	704.000	1620.000	703.000	1635.000	704.700	1700.000	705.900	1800.000	706.800	1900.000
GR	709.800	2000.000	714.700	2100.000	717.200	2200.000	719.500	2280.000	0.0	0.0
QT	5.000	646.000	1117.000	1347.000	1891.000	1347.000	0.0	0.0	0.0	0.0

X1	599.000	17.000	1326.000	1344.000	319.000	319.000	319.000	0.0	-2.500	0.0
GR	723.100	1000.000	720.700	1100.000	717.700	1200.000	711.600	1273.000	708.100	1300.000
GR	707.500	1326.000	702.000	1332.000	701.600	1334.000	701.700	1339.000	707.000	1344.000
GR	705.400	1400.000	708.500	1500.000	712.400	1600.000	716.700	1700.000	718.500	1800.000
GR	720.600	1900.000	722.800	2000.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	649.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	699.000	20.000	1390.400	1395.600	50.000	50.000	50.000	0.0	0.0	0.0
GR	720.300	1000.000	716.100	1100.000	712.000	1200.000	708.200	1300.000	707.300	1350.000
GR	706.200	1359.000	705.600	1385.000	702.300	1390.400	700.700	1391.000	699.900	1392.000
GR	699.700	1393.000	699.900	1394.000	700.700	1395.000	702.300	1395.600	705.100	1403.000
GR	703.500	1459.000	706.600	1559.000	710.500	1659.000	714.800	1759.000	716.000	1800.000
SB	0.900	1.500	2.500	0.0	5.200	0.010	21.000	0.0	0.0	0.0

GR	699.700	1393.000	699.900	1394.000	700.700	1395.000	702.300	1395.500	705.100	1400.000
GR	703.500	1459.000	706.600	1559.000	710.500	1659.000	714.800	1759.000	716.000	1800.000
SB	0.900	1.500	2.500	0.0	5.200	0.010	21.000	0.0	0.0	0.0

X1	730.000	0.0	0.0	0.0	31.000	31.000	31.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	704.900	706.500	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	720.300	0.0	1100.000	716.100	0.0	1200.000	712.000	0.0
BT	1300.000	708.200	0.0	1390.400	706.500	702.300	1391.000	706.500	703.900	1392.000
BT	706.500	704.700	1393.000	706.500	704.900	1394.000	706.500	704.700	1395.000	706.500
BT	703.900	1395.600	706.500	702.300	1400.000	706.500	0.0	1500.000	706.800	0.0
BT	1600.000	710.400	0.0	1700.000	714.000	0.0	1600.000	716.000	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	805.000	17.000	1326.000	1344.000	75.000	75.000	75.000	0.0	-0.500	0.0
GR	723.100	1000.000	720.700	1100.000	717.700	1200.000	711.600	1273.000	708.100	1300.000
GR	707.500	1326.000	702.000	1332.000	701.600	1334.000	701.700	1339.000	707.000	1344.000
GR	705.400	1400.000	708.500	1500.000	712.400	1600.000	716.700	1700.000	718.500	1800.000
GR	720.600	1900.000	722.800	2000.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	637.000	1116.000	1345.000	1889.000	1345.000	0.0	0.0	0.0	0.0

X1	955.000	0.0	0.0	0.0	150.000	150.000	150.000	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	1030.000	23.000	1420.200	1431.400	75.000	75.000	75.000	0.0	0.0	0.0
GR	732.300	1000.000	722.700	1092.000	720.300	1192.000	717.300	1292.000	711.200	1365.000
GR	707.700	1392.000	707.100	1418.000	705.000	1420.200	701.200	1420.200	701.200	1424.100
GR	705.000	1424.100	705.800	1428.400	704.700	1429.000	704.300	1429.900	704.800	1431.000
GR	705.800	1431.400	706.600	1436.000	705.000	1492.000	708.100	1592.000	712.000	1692.000
GR	716.300	1792.000	718.100	1892.000	719.300	1940.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.900	0.010	27.000	0.0	0.0	0.0

X1	1110.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	707.300	719.300	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	732.300	0.0	1100.000	730.800	0.0	1200.000	729.100	0.0
BT	1300.000	727.000	0.0	1400.000	724.900	0.0	1420.200	724.800	716.400	1424.100
BT	724.800	706.400	1428.400	724.700	705.800	1429.000	724.700	707.000	1429.900	724.700
BT	707.300	1431.000	724.700	706.800	1431.400	724.700	705.800	1500.000	723.600	0.0
BT	1600.000	722.700	0.0	1700.000	722.300	0.0	1800.000	721.200	0.0	1940.000
BT	719.300	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

X1	1160.000	17.000	1326.000	1344.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	723.100	1000.000	720.700	1100.000	717.700	1200.000	711.600	1273.000	708.100	1300.000
GR	707.500	1326.000	702.000	1332.000	701.600	1334.000	701.700	1339.000	707.000	1344.000
GR	705.400	1400.000	708.500	1500.000	712.400	1600.000	716.700	1700.000	718.500	1800.000
GR	720.600	1900.000	722.800	2000.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1210.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
QT	5.000	622.000	1081.000	1302.000	1825.000	1302.000	0.0	0.0	0.0	0.0

X1	1870.000	11.000	1100.000	1111.000	660.000	660.000	660.000	0.0	0.0	0.0
GR	725.200	1000.000	710.000	1058.000	709.200	1100.000	705.200	1103.000	704.900	1105.000
GR	705.200	1108.000	708.800	1111.000	711.500	1200.000	714.300	1300.000	719.300	1400.000
GR	724.100	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1970.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	2020.000	19.000	1326.000	1334.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	731.600	1000.000	724.700	1100.000	719.100	1200.000	717.700	1264.000	712.300	1283.000
GR	711.500	1325.000	711.200	1326.000	708.600	1327.000	707.800	1328.000	707.200	1330.000

X1	3590.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
QT	5.000	321.000	601.000	749.000	1112.000	749.000	0.0	0.0	0.0	0.0

X1	4355.000	12.000	1223.000	1248.000	765.000	765.000	765.000	0.0	-1.900	0.0
GR	747.000	1000.000	739.200	1100.000	733.000	1200.000	732.000	1223.000	726.900	1232.000
GR	726.800	1234.000	727.000	1237.000	731.600	1248.000	732.200	1300.000	736.900	1400.000
GR	745.000	1500.000	747.000	1528.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	4405.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.900	0.0
NC	0.050	0.050	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4455.000	11.000	1334.000	1346.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	748.200	1000.000	744.000	1100.000	740.000	1200.000	735.200	1300.000	733.400	1334.000
GR	728.700	1334.000	728.700	1346.000	734.000	1346.000	734.900	1400.000	739.800	1500.000
GR	748.200	1590.000	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	12.000	0.010	55.000	0.0	0.0	0.0

X1	4469.000	0.0	0.0	0.0	14.000	14.000	14.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	733.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	9.000	1000.000	748.200	0.0	1100.000	744.000	0.0	1200.000	740.000	0.0
BT	1300.000	735.200	0.0	1334.000	733.400	733.000	1346.000	734.000	733.600	1400.000
BT	734.900	0.0	1500.000	739.800	0.0	1590.000	748.200	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	4519.000	12.000	1223.000	1248.000	50.000	50.000	50.000	0.0	3.800	0.0
GR	747.000	1000.000	739.200	1100.000	733.000	1200.000	732.000	1223.000	726.900	1232.000
GR	726.800	1234.000	727.000	1237.000	731.600	1248.000	732.200	1300.000	736.900	1400.000
GR	745.000	1500.000	747.000	1528.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	4569.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.900	0.0
QT	5.000	281.000	529.000	662.000	992.000	662.000	0.0	0.0	0.0	0.0

X1	6398.000	10.000	1080.000	1090.000	1829.000	1829.000	1829.000	0.0	-4.400	0.0
GR	778.400	1000.000	764.200	1080.000	761.000	1083.000	760.900	1085.000	761.000	1087.000
GR	764.500	1090.000	764.400	1100.000	767.900	1200.000	775.800	1300.000	778.400	1330.000

X1	6548.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	6598.000	18.000	1284.000	1288.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	779.200	1000.000	773.500	1100.000	767.500	1200.000	765.300	1268.000	762.700	1281.000
GR	761.400	1284.000	760.500	1284.200	759.700	1285.000	759.400	1286.000	759.700	1287.000
GR	760.500	1287.800	761.400	1288.000	763.000	1291.000	762.900	1301.000	766.400	1401.000
GR	774.300	1501.000	776.900	1531.000	779.200	1555.000	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	6552.000	0.0	0.0	0.0	54.000	54.000	54.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	763.400	764.700	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	779.200	0.0	1100.000	773.500	0.0	1200.000	767.500	0.0
BT	1284.000	764.700	761.400	1284.200	764.700	762.300	1285.000	764.700	763.100	1286.000
BT	764.700	763.400	1287.000	764.700	763.100	1287.800	764.700	762.300	1288.000	764.700
BT	761.400	1300.000	764.800	0.0	1400.000	767.000	0.0	1500.000	775.800	0.0
BT	1555.000	779.200	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

X1	6702.000	10.000	1080.000	1090.000	50.000	50.000	50.000	0.0	-1.100	0.0
GR	778.400	1000.000	764.200	1080.000	761.000	1083.000	760.900	1085.000	761.000	1087.000
GR	764.500	1090.000	764.400	1100.000	767.900	1200.000	775.800	1300.000	778.400	1330.000

X1	6702.000	10.000	1080.000	1090.000	50.000	50.000	50.000	0.0	-1.100	0.0
GR	778.400	1000.000	764.200	1080.000	761.000	1083.000	760.900	1085.000	761.000	1087.000
GR	764.500	1090.000	764.400	1100.000	767.900	1200.000	775.800	1300.000	778.400	1330.000

X1	6852.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.100	0.0
QT	5.000	280.000	528.000	660.000	987.000	660.000	0.0	0.0	0.0	0.0

X1	6919.000	11.000	1185.000	1198.000	67.000	67.000	67.000	0.0	0.0	0.0
GR	783.600	1000.000	775.500	1100.000	766.300	1185.000	760.800	1189.000	760.900	1194.000
GR	760.800	1196.000	765.700	1198.000	765.600	1200.000	769.500	1300.000	779.000	1400.000
GR	783.600	1487.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6969.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.600	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	7019.000	18.000	1292.500	1297.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	787.100	1000.000	782.400	1100.000	776.100	1200.000	774.100	1240.000	769.400	1286.000
GR	766.500	1292.500	765.000	1293.000	764.200	1294.000	764.000	1295.000	764.200	1296.000
GR	765.000	1297.000	766.500	1297.500	768.800	1299.000	768.700	1301.000	772.400	1400.000
GR	777.300	1500.000	783.100	1600.000	787.100	1700.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0

X1	7061.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	6.0	0.0
X2	0.0	0.0	1.000	769.000	771.400	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	787.100	0.0	1100.000	782.400	0.0	1200.000	776.100	0.0
BT	1292.500	771.400	766.500	1293.000	771.400	768.000	1294.000	771.400	768.800	1295.000
BT	771.400	769.000	1296.000	771.400	768.800	1297.000	771.400	768.000	1297.500	771.400
BT	766.500	1300.000	771.400	0.0	1400.000	772.400	0.0	1500.000	777.300	0.0
BT	1600.000	783.100	0.0	1700.000	787.100	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	7111.000	11.000	1185.000	1198.000	50.000	50.000	50.000	0.0	4.700	0.0
GR	783.600	1000.000	775.500	1100.000	766.300	1185.000	760.800	1189.000	760.900	1194.000
GR	760.800	1196.000	765.700	1198.000	765.600	1200.000	769.500	1300.000	779.000	1400.000
GR	783.600	1487.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	7161.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.500	0.0
QT	5.000	177.000	350.000	447.000	695.000	447.000	0.0	0.0	0.0	0.0

X1	8139.000	10.000	1190.000	1195.000	948.000	948.000	948.000	0.0	-18.200	0.0
GR	810.300	1000.000	805.300	1100.000	799.300	1190.000	798.300	1192.000	799.400	1195.000
GR	799.600	1200.000	799.600	1300.000	801.000	1400.000	806.200	1500.000	810.300	1560.000

X1	8259.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	6.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	8309.000	26.000	2455.200	2458.700	50.000	50.000	50.000	0.0	0.0	0.0
GR	799.500	1000.000	797.700	1200.000	794.600	1400.000	793.200	1500.000	792.100	1600.000
GR	792.300	1700.000	793.800	1800.000	795.700	1900.000	796.900	2000.000	796.900	2100.000
GR	795.600	2200.000	795.000	2300.000	795.200	2395.000	791.900	2443.000	791.900	2455.200
GR	790.900	2455.400	790.400	2456.000	790.100	2457.000	790.400	2458.000	790.900	2458.500
GR	791.900	2458.700	791.900	2595.000	792.800	2665.000	798.000	2765.000	802.100	2825.000
GR	810.100	2900.000	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	3.500	0.010	9.600	0.0	0.0	0.0

X1	8371.000	0.0	0.0	0.0	62.000	62.000	62.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	793.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	24.000	1000.000	799.500	0.0	1200.000	797.700	0.0	1400.000	794.600	0.0
BT	1500.000	793.200	0.0	1600.000	792.100	0.0	1700.000	792.300	0.0	1800.000

X1	8371.000	0.0	0.0	0.0	62.000	62.000	62.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	793.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	24.000	1000.000	799.500	0.0	1200.000	797.700	0.0	1400.000	794.600	0.0
BT	1500.000	793.200	0.0	1600.000	792.100	0.0	1700.000	792.300	0.0	1800.000
BT	793.800	0.0	1900.000	795.700	0.0	2000.000	796.900	0.0	2100.000	796.900
BT	0.0	2200.000	795.600	0.0	2300.000	795.000	0.0	2400.000	795.200	0.0
BT	2455.200	795.600	791.900	2455.400	795.600	792.900	2456.000	795.600	793.300	2457.000
BT	795.600	793.600	2458.000	795.600	793.300	2458.500	795.600	792.900	2458.700	795.600
BT	791.900	2500.000	796.100	0.0	2600.000	798.500	0.0	2700.000	801.700	0.0
BT	2900.000	810.100	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

X1	8421.000	10.000	1190.000	1195.000	50.000	50.000	50.000	0.0	-6.100	0.0
GR	810.300	1000.000	805.300	1100.000	799.300	1190.000	798.300	1192.000	799.400	1195.000
GR	799.600	1200.000	799.600	1300.000	801.000	1400.000	806.200	1500.000	810.300	1560.000

X1	8521.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	6.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	141.000	286.000	370.000	588.000	370.000	0.0	0.0	0.0	0.0

X1	8655.000	20.000	1498.500	1501.500	134.000	134.000	134.000	0.0	0.0	0.0
GR	824.600	1000.000	820.900	1100.000	818.900	1200.000	817.500	1300.000	816.700	1320.000
GR	814.400	1355.000	807.500	1455.000	806.800	1498.500	805.700	1499.000	805.300	1500.000
GR	805.700	1501.000	806.800	1501.500	809.400	1555.000	810.100	1563.000	810.300	1600.000
GR	812.900	1700.000	812.200	1800.000	812.300	1900.000	816.300	2000.000	818.900	2088.000
SB	0.900	1.500	2.500	0.0	3.000	0.010	7.000	0.0	0.0	0.0

X1	8704.000	0.0	0.0	0.0	49.000	49.000	49.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	808.300	809.800	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	824.600	0.0	1100.000	820.900	0.0	1200.000	818.900	0.0
BT	1300.000	817.500	0.0	1400.000	813.700	0.0	1498.500	809.800	806.800	1499.000
BT	809.800	807.900	1500.000	809.800	608.300	1501.000	809.200	807.900	1501.500	809.800
BT	806.800	1600.000	810.300	0.0	1700.000	812.900	0.0	1800.000	812.200	0.0
BT	1900.000	812.300	0.0	2000.000	816.300	0.0	2088.000	818.900	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	8754.000	9.000	1244.000	1246.000	50.000	50.000	50.000	0.0	-2.400	0.0
GR	823.900	1000.000	817.600	1100.000	810.700	1200.000	809.700	1244.000	808.500	1245.000
GR	810.100	1246.000	812.600	1300.000	821.100	1400.000	823.900	1490.000	0.0	0.0

X1	8904.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	2.400	0.0
BT	5.000	120.000	244.000	317.000	507.000	317.000	0.0	0.0	0.0	0.0

X1	9260.000	13.000	1600.000	1675.000	356.000	356.000	356.000	0.0	-2.300	0.0
GR	831.000	1000.000	828.700	1100.000	826.000	1200.000	824.300	1300.000	826.400	1400.000
GR	828.700	1500.000	826.500	1600.000	825.100	1645.000	826.500	1675.000	827.200	1700.000
GR	833.500	1800.000	839.400	1900.000	841.500	1945.000	0.0	0.0	0.0	0.0

X1	9310.000	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	9360.000	26.000	1643.700	1646.200	50.000	50.000	50.000	0.0	0.0	0.0
GR	825.600	1000.000	826.700	1100.000	827.000	1120.000	825.500	1200.000	823.800	1300.000
GR	825.900	1400.000	828.200	1500.000	826.000	1600.000	825.900	1643.700	825.100	1644.000
GR	824.700	1644.500	824.600	1645.000	824.700	1645.500	825.100	1646.000	825.900	1646.200
GR	826.000	1675.000	826.700	1700.000	833.000	1800.000	834.200	1820.000	835.300	1900.000
GR	837.000	2000.000	838.300	2100.000	839.300	2200.000	840.500	2300.000	841.600	2400.000
GR	843.100	2500.000	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	2.500	0.010	5.000	0.0	0.0	0.0

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,91,92

T1 GRANITE QUARRY-ROWAN CO. STRM 3-360 UNNAMED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6910
T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.005000	0.0	0.0	0.	703.600	0.0

J2	NPROP	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	IDW	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 GRANITE QUARRY, ROWAN CO. STRM 3-3GQ UNNAMED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC RVINS Q WSEL FQ
-10. 5. 0. 0. 0.005000 0.0 0.0 0. 706.500 0.0

J2 NPROF IPLOT 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	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP	
	280.000	280.00	0.0	0.0	687.00	697.60	703.11	701.93	6.59	1348.53	1639.03	116.10	0.0
*	280.000	280.00	0.0	0.0	1195.00	697.60	703.92	703.92	6.48	1196.88	1670.23	399.11	0.82
* A	280.000	280.00	0.0	0.0	1436.00	697.60	704.04	704.04	7.01	1193.80	1674.83	496.49	0.12
	280.000	280.00	0.0	0.0	2003.00	697.60	704.36	0.0	7.57	1185.73	1686.87	611.09	0.31
	599.000	319.00	0.0	0.0	646.00	699.10	704.89	0.0	5.79	1326.12	1464.14	201.23	0.0
B	599.000	319.00	0.0	0.0	1117.00	699.10	705.41	0.0	7.45	1308.27	1480.93	281.13	0.52
	599.000	319.00	0.0	0.0	1347.00	699.10	705.67	0.0	7.83	1299.46	1489.35	328.69	0.26
	599.000	319.00	0.0	0.0	1891.00	699.10	706.08	0.0	8.93	1296.28	1502.09	410.23	0.41
	649.000	50.00	0.0	0.0	646.00	699.40	705.05	0.0	6.32	1326.27	1459.66	182.39	0.0
	649.000	50.00	0.0	0.0	1117.00	699.40	705.68	0.0	7.55	1309.43	1480.07	276.55	0.63
	649.000	50.00	0.0	0.0	1347.00	699.40	705.95	0.0	7.90	1299.50	1488.82	325.59	0.27
	649.000	50.00	0.0	0.0	1891.00	699.40	706.46	0.0	8.62	1295.76	1503.83	424.26	0.50
*	699.000	50.00	0.0	0.0	646.00	699.70	705.46	705.46	8.62	1385.23	1522.26	174.63	0.0
	699.000	50.00	0.0	0.0	1117.00	699.70	706.18	0.0	8.67	1359.47	1545.75	290.62	0.72
	699.000	50.00	0.0	0.0	1347.00	699.70	706.49	0.0	8.66	1356.71	1555.14	346.70	0.30
	699.000	50.00	0.0	0.0	1891.00	699.70	707.05	0.0	8.59	1352.07	1570.46	464.96	0.56
	730.000	31.00	706.50	704.90	646.00	699.70	707.75	0.0	2.05	1325.13	1588.43	631.03	0.0
	730.000	31.00	706.50	704.90	1117.00	699.70	708.32	0.0	2.77	1296.96	1602.99	793.52	0.57
	730.000	31.00	706.50	704.90	1347.00	699.70	708.54	0.0	3.05	1291.10	1608.70	862.94	0.22
	730.000	31.00	706.50	704.90	1891.00	699.70	708.97	0.0	3.63	1279.77	1619.73	1004.43	0.43
	805.000	75.00	0.0	0.0	646.00	701.10	707.73	0.0	3.64	1298.97	1491.40	340.81	0.0
	805.000	75.00	0.0	0.0	1117.00	701.10	708.29	0.0	4.72	1294.60	1507.69	455.96	0.56
	805.000	75.00	0.0	0.0	1347.00	701.10	708.52	0.0	5.13	1292.39	1513.36	503.91	0.22
	805.000	75.00	0.0	0.0	1891.00	701.10	708.94	0.0	5.99	1289.60	1524.29	600.92	0.43
	955.000	150.00	0.0	0.0	637.00	701.60	707.91	0.0	4.23	1308.01	1481.13	282.16	0.0
C	955.000	150.00	0.0	0.0	1116.00	701.60	708.56	0.0	5.32	1296.42	1501.64	406.58	0.65
	955.000	150.00	0.0	0.0	1345.00	701.60	708.82	0.0	5.64	1294.46	1508.13	459.64	0.25
	955.000	150.00	0.0	0.0	1889.00	701.60	709.31	0.0	6.32	1290.63	1520.87	569.85	0.50
	1030.000	75.00	0.0	0.0	637.00	701.20	708.09	0.0	2.06	1388.95	1591.84	363.34	0.0
	1030.000	75.00	0.0	0.0	1116.00	701.20	708.79	0.0	2.37	1383.56	1609.79	513.27	0.70
	1030.000	75.00	0.0	0.0	1345.00	701.20	709.06	0.0	2.50	1381.54	1616.53	573.86	0.26
	1030.000	75.00	0.0	0.0	1889.00	701.20	709.58	0.0	2.79	1377.52	1629.88	700.83	0.52

1030.000	75.00	0.0	0.0	1116.00	701.20	709.06	0.0	2.50	1381.54	1616.53	573.86	0.26
1030.000	75.00	0.0	0.0	1345.00	701.20	709.58	0.0	2.79	1377.52	1629.88	700.85	0.52

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
ROWAN COUNTY	1110.000	80.00	719.30	707.30	637.00	701.20	720.05	0.0	0.11	1200.35	1940.00	5528.72	0.0
	1110.000	80.00	719.30	707.30	1116.00	701.20	721.49	0.0	0.16	1142.46	1940.00	6633.83	1.44
	1110.000	80.00	719.30	707.30	1345.00	701.20	721.83	0.0	0.18	1128.37	1940.00	6905.89	0.34
	1110.000	80.00	719.30	707.30	1889.00	701.20	722.42	0.0	0.24	1103.68	1940.00	7394.32	0.59
ROWAN COUNTY	1160.000	50.00	0.0	0.0	637.00	701.60	720.05	0.0	0.22	1121.39	1874.21	5283.01	0.0
	1160.000	50.00	0.0	0.0	1116.00	701.60	721.49	0.0	0.32	1066.94	1940.61	6448.36	1.44
	1160.000	50.00	0.0	0.0	1345.00	701.60	721.83	0.0	0.37	1052.85	1955.98	6748.76	0.34
	1160.000	50.00	0.0	0.0	1889.00	701.60	722.42	0.0	0.49	1028.15	1982.93	7299.54	0.59
ROWAN COUNTY	1210.000	50.00	0.0	0.0	637.00	701.80	720.05	0.0	0.23	1128.37	1864.23	5127.09	0.0
	1210.000	50.00	0.0	0.0	1116.00	701.80	721.49	0.0	0.33	1075.49	1931.28	6270.92	1.44
	1210.000	50.00	0.0	0.0	1345.00	701.80	721.83	0.0	0.38	1061.40	1946.65	6565.27	0.34
	1210.000	50.00	0.0	0.0	1889.00	701.80	722.42	0.0	0.50	1036.72	1973.58	7104.88	0.59
A	1870.000	660.00	0.0	0.0	622.00	704.90	720.05	0.0	0.41	1019.65	1415.61	2711.00	0.0
	1870.000	660.00	0.0	0.0	1081.00	704.90	721.49	0.0	0.58	1014.16	1445.61	3306.61	1.44
	1870.000	660.00	0.0	0.0	1302.00	704.90	721.83	0.0	0.67	1012.87	1452.66	3454.01	0.34
	1870.000	660.00	0.0	0.0	1825.00	704.90	722.42	0.0	0.87	1010.61	1465.01	3719.15	0.59
GRANITE QUARRY	1970.000	100.00	0.0	0.0	622.00	706.40	720.05	0.0	0.53	1025.58	1385.00	2144.73	0.0
	1970.000	100.00	0.0	0.0	1081.00	706.40	721.49	0.0	0.73	1019.88	1414.37	2687.36	1.44
	1970.000	100.00	0.0	0.0	1302.00	706.40	721.83	0.0	0.83	1018.59	1421.42	2822.26	0.34
	1970.000	100.00	0.0	0.0	1825.00	706.40	722.42	0.0	1.07	1016.33	1433.78	3065.58	0.59
GRANITE QUARRY	2020.000	50.00	0.0	0.0	622.00	707.20	720.05	0.0	0.36	1183.04	1627.50	2082.01	0.0
	2020.000	50.00	0.0	0.0	1081.00	707.20	721.49	0.0	0.46	1157.32	1651.50	2757.92	1.44
	2020.000	50.00	0.0	0.0	1302.00	707.20	721.83	0.0	0.52	1151.28	1657.14	2926.99	0.34
	2020.000	50.00	0.0	0.0	1825.00	707.20	722.42	0.0	0.65	1140.68	1667.03	3253.43	0.59
GRANITE QUARRY	2061.000	41.00	715.30	715.20	622.00	707.20	720.09	0.0	0.35	1182.37	1628.13	2098.74	0.0
	2061.000	41.00	715.30	715.20	1081.00	707.20	721.54	0.0	0.45	1156.37	1652.38	2784.15	1.44
	2061.000	41.00	715.30	715.20	1302.00	707.20	721.89	0.0	0.51	1150.18	1658.17	2958.30	0.35
	2061.000	41.00	715.30	715.20	1825.00	707.20	722.50	0.0	0.64	1139.25	1668.37	3275.69	0.61
D	2111.000	50.00	0.0	0.0	622.00	708.00	720.08	0.0	0.72	1031.34	1353.73	1611.50	0.0
	2111.000	50.00	0.0	0.0	1081.00	708.00	721.54	0.0	0.94	1025.79	1382.82	2105.63	1.44
	2111.000	50.00	0.0	0.0	1302.00	708.00	721.88	0.0	1.07	1024.47	1389.74	2230.65	0.35
	2111.000	50.00	0.0	0.0	1825.00	708.00	722.49	0.0	1.35	1022.14	1402.03	2458.13	0.61
E	2211.000	100.00	0.0	0.0	622.00	709.50	720.08	0.0	1.03	1037.07	1323.73	1154.72	0.0
	2211.000	100.00	0.0	0.0	1081.00	709.50	721.54	0.0	1.26	1031.52	1352.81	1596.80	1.44
	2211.000	100.00	0.0	0.0	1302.00	709.50	721.89	0.0	1.42	1030.20	1359.74	1709.46	0.35
	2211.000	100.00	0.0	0.0	1825.00	709.50	722.50	0.0	1.76	1027.87	1371.93	1914.86	0.61
* C	3290.000	1079.00	0.0	0.0	621.00	716.70	721.73	721.73	8.45	1182.50	1243.03	91.15	0.0
	3290.000	1079.00	0.0	0.0	1080.00	716.70	722.86	722.86	9.24	1174.10	1274.11	181.59	1.13
	3290.000	1079.00	0.0	0.0	1301.00	716.70	723.16	723.16	9.92	1171.90	1282.25	212.61	0.29
	3290.000	1079.00	0.0	0.0	1824.00	716.70	723.99	723.99	10.15	1165.67	1304.38	317.04	0.84
*	3340.000	50.00	0.0	0.0	621.00	716.80	722.59	0.0	6.19	1176.95	1263.59	145.99	0.0
	3340.000	50.00	0.0	0.0	1080.00	716.80	723.64	0.0	7.13	1169.04	1292.85	257.57	1.05
	3340.000	50.00	0.0	0.0	1301.00	716.80	724.06	0.0	7.34	1165.94	1303.55	311.97	0.42
	3340.000	50.00	0.0	0.0	1824.00	716.80	724.73	0.0	8.05	1160.94	1318.80	411.07	0.67

3340.000 50.00 0.0 0.0 1824.00 716.80 724.73 0.0 8.05 1160.94 1318.80 411.07 0.67

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 3390.000	50.00	0.0	0.0	621.00	718.10	722.36	722.36	9.73	1471.52	1501.32	67.88	0.0
* D 3390.000	50.00	0.0	0.0	1080.00	718.10	723.95	723.95	8.85	1456.43	1545.30	163.78	1.58
* 3390.000	50.00	0.0	0.0	1301.00	718.10	724.24	724.24	9.34	1454.25	1553.41	191.25	0.29
* 3390.000	50.00	0.0	0.0	1824.00	718.10	724.81	724.81	10.18	1450.01	1569.16	253.21	0.57
* 3490.000	100.00	731.00	726.10	621.00	719.10	722.85	0.0	8.24	1464.65	1514.67	87.15	0.0
* M 3490.000	100.00	731.00	726.10	1080.00	718.10	724.96	0.0	5.64	1448.86	1573.45	272.05	2.12
* 3490.000	100.00	731.00	726.10	1301.00	718.10	725.87	0.0	4.56	1442.10	1595.25	398.40	0.91
* 3490.000	100.00	731.00	726.10	1824.00	718.10	725.03	0.0	9.27	1448.39	1575.20	279.93	-0.84
* 3540.000	50.00	0.0	0.0	621.00	718.20	723.21	723.21	8.52	1182.65	1242.48	89.96	0.0
* 3540.000	50.00	0.0	0.0	1080.00	718.20	724.82	0.0	7.72	1170.65	1286.89	231.66	1.60
* 3540.000	50.00	0.0	0.0	1301.00	718.20	725.77	0.0	6.50	1163.55	1310.85	357.71	0.96
* 3540.000	50.00	0.0	0.0	1824.00	718.20	725.44	725.44	10.35	1166.05	1303.21	309.93	-0.33
* 3590.000	50.00	0.0	0.0	621.00	718.30	724.09	0.0	6.18	1176.90	1263.77	146.55	0.0
* D 3590.000	50.00	0.0	0.0	1080.00	718.30	725.15	0.0	7.06	1168.87	1293.48	260.45	1.06
* 3590.000	50.00	0.0	0.0	1301.00	718.30	725.90	0.0	6.45	1163.37	1311.39	361.21	0.75
* 3590.000	50.00	0.0	0.0	1824.00	718.30	726.25	0.0	7.99	1160.79	1319.26	414.30	0.34
* 4355.000	765.00	0.0	0.0	321.00	724.90	728.32	728.32	8.28	1226.15	1244.69	38.76	0.0
* F 4355.000	765.00	0.0	0.0	601.00	724.90	729.49	729.49	9.49	1224.08	1247.49	63.34	1.17
* 4355.000	765.00	0.0	0.0	749.00	724.90	730.46	730.46	8.16	1214.62	1303.50	113.33	0.98
* 4355.000	765.00	0.0	0.0	1112.00	724.90	731.27	731.27	8.45	1197.33	1320.55	198.70	0.80
* 4405.000	50.00	0.0	0.0	321.00	726.80	730.22	730.22	8.27	1226.14	1244.70	38.83	0.0
* 4405.000	50.00	0.0	0.0	601.00	726.80	731.39	731.39	9.47	1224.07	1247.51	63.47	1.17
* 4405.000	50.00	0.0	0.0	749.00	726.80	732.38	732.38	8.10	1214.20	1303.90	114.99	0.99
* 4405.000	50.00	0.0	0.0	1112.00	726.80	733.12	733.12	8.64	1198.13	1319.50	192.64	0.73
* 4455.000	50.00	0.0	0.0	321.00	728.70	731.50	731.50	9.56	1334.00	1346.00	33.59	0.0
* 4455.000	50.00	0.0	0.0	601.00	728.70	732.96	732.96	11.75	1334.00	1346.00	51.16	1.46
* 4455.000	50.00	0.0	0.0	749.00	728.70	735.16	735.16	7.95	1300.71	1405.36	146.05	2.20
* 4455.000	50.00	0.0	0.0	1112.00	728.70	735.76	735.76	8.77	1288.26	1417.63	216.39	0.60
* 4469.000	14.00	733.40	733.60	321.00	728.70	731.62	0.0	9.16	1334.00	1346.00	35.03	0.0
* 4469.000	14.00	733.40	733.60	601.00	728.70	732.90	0.0	11.91	1334.00	1346.00	50.48	1.29
* 4469.000	14.00	733.40	733.60	749.00	728.70	735.28	0.0	7.49	1298.22	1407.87	159.23	2.37
* 4469.000	14.00	733.40	733.60	1112.00	728.70	735.90	0.0	8.19	1285.38	1420.45	234.66	0.62
* 4519.000	50.00	0.0	0.0	321.00	730.60	734.03	734.03	8.21	1226.12	1244.73	39.08	0.0
* 4519.000	50.00	0.0	0.0	601.00	730.60	735.18	735.18	9.52	1224.10	1247.47	63.11	1.14
* 4519.000	50.00	0.0	0.0	749.00	730.60	736.18	736.18	8.11	1214.26	1303.83	114.73	1.00
* 4519.000	50.00	0.0	0.0	1112.00	730.60	737.02	737.02	8.24	1196.44	1321.72	205.53	0.84
* 4569.000	50.00	0.0	0.0	321.00	732.50	735.92	735.92	8.28	1226.15	1244.69	38.77	0.0
* 4569.000	50.00	0.0	0.0	601.00	732.50	737.10	737.10	9.44	1224.05	1247.53	63.68	1.19
* G 4569.000	50.00	0.0	0.0	749.00	732.50	738.08	738.08	8.11	1214.27	1303.83	114.71	0.98
* 4569.000	50.00	0.0	0.0	1112.00	732.50	738.79	738.79	8.75	1198.57	1318.92	189.33	0.71
* 6398.000	1829.00	0.0	0.0	281.00	756.50	760.90	760.90	7.24	1073.81	1125.68	56.56	0.0
* 6398.000	1829.00	0.0	0.0	529.00	756.50	761.76	761.76	8.28	1068.95	1150.31	114.00	0.86
* H 6398.000	1829.00	0.0	0.0	662.00	756.50	762.01	762.01	9.03	1067.55	1157.44	135.36	0.25
* 6398.000	1829.00	0.0	0.0	992.00	756.50	762.69	762.69	9.56	1063.72	1176.84	204.28	0.68

GRANITE QUARRY

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
6548.000	150.00	0.0	0.0	281.00	757.60	762.16	761.98	6.62	1072.95	1130.03	64.90	0.0
6548.000	150.00	0.0	0.0	529.00	757.60	762.98	0.0	7.73	1068.25	1153.88	124.43	0.83
6548.000	150.00	0.0	0.0	662.00	757.60	763.37	0.0	7.87	1066.07	1164.91	160.02	0.39
6548.000	150.00	0.0	0.0	992.00	757.60	763.95	0.0	8.87	1062.83	1181.36	222.61	0.58
* 6598.000	50.00	0.0	0.0	281.00	759.40	764.00	764.00	7.36	1274.49	1332.47	59.71	0.0
* I 6598.000	50.00	0.0	0.0	529.00	759.40	764.57	764.57	8.47	1271.62	1348.86	98.48	0.57
* 6598.000	50.00	0.0	0.0	662.00	759.40	764.79	764.79	8.97	1270.54	1355.05	115.99	0.22
* 6598.000	50.00	0.0	0.0	992.00	759.40	765.27	765.27	9.56	1268.13	1368.85	160.74	0.48
6652.000	54.00	764.70	763.40	281.00	759.40	765.96	0.0	1.76	1247.67	1388.37	242.99	0.0
J 6652.000	54.00	764.70	763.40	529.00	759.40	766.57	0.0	2.34	1228.85	1403.11	339.48	0.61
6652.000	54.00	764.70	763.40	662.00	759.40	766.81	0.0	2.54	1221.38	1406.17	382.87	0.24
6652.000	54.00	764.70	763.40	992.00	759.40	767.23	0.0	3.05	1208.22	1411.56	465.52	0.43
6702.000	50.00	0.0	0.0	281.00	759.80	765.94	0.0	2.77	1064.00	1175.45	198.84	0.0
6702.000	50.00	0.0	0.0	529.00	759.80	766.53	0.0	3.97	1060.66	1192.38	270.85	0.59
6702.000	50.00	0.0	0.0	662.00	759.80	766.76	0.0	4.49	1059.36	1198.98	302.21	0.23
6702.000	50.00	0.0	0.0	992.00	759.80	767.17	0.0	5.57	1057.07	1204.69	360.67	0.41
6852.000	150.00	0.0	0.0	281.00	760.90	765.99	0.0	4.80	1069.84	1145.83	101.65	0.0
K 6852.000	150.00	0.0	0.0	529.00	760.90	766.66	0.0	6.36	1066.20	1164.25	157.75	0.66
6852.000	150.00	0.0	0.0	662.00	760.90	766.93	0.0	6.89	1064.60	1172.38	187.05	0.28
6852.000	150.00	0.0	0.0	992.00	760.90	767.43	0.0	8.15	1061.81	1186.55	244.72	0.50
6919.000	67.00	0.0	0.0	280.00	760.80	766.10	0.0	5.25	1185.14	1212.99	56.96	0.0
L 6919.000	67.00	0.0	0.0	528.00	760.80	766.55	765.98	8.63	1182.67	1224.42	72.26	0.45
* 6919.000	67.00	0.0	0.0	660.00	760.80	767.03	767.03	9.17	1178.25	1236.67	96.20	0.48
* 6919.000	67.00	0.0	0.0	987.00	760.80	768.00	768.00	9.54	1169.25	1261.65	169.66	0.97
6969.000	50.00	0.0	0.0	280.00	762.40	765.84	0.0	9.18	1186.49	1197.41	30.51	0.0
* 6969.000	50.00	0.0	0.0	528.00	762.40	767.58	767.58	10.28	1185.23	1209.66	53.56	1.73
* 6969.000	50.00	0.0	0.0	660.00	762.40	768.63	768.63	9.16	1178.24	1236.72	96.30	1.06
* 6969.000	50.00	0.0	0.0	987.00	762.40	769.60	769.60	9.54	1169.24	1261.67	169.73	0.97
* 7019.000	50.00	0.0	0.0	280.00	764.00	769.58	769.58	7.79	1284.26	1324.49	50.33	0.0
* 7019.000	50.00	0.0	0.0	528.00	764.00	770.42	770.42	8.67	1276.02	1347.01	97.13	0.84
* 7019.000	50.00	0.0	0.0	660.00	764.00	770.67	770.67	9.23	1273.54	1353.79	116.30	0.25
* 7019.000	50.00	0.0	0.0	987.00	764.00	771.19	771.19	10.07	1268.52	1367.51	162.27	0.51
7061.000	42.00	771.40	769.00	280.00	764.00	772.18	0.0	1.65	1258.74	1394.26	279.49	0.0
7061.000	42.00	771.40	769.00	528.00	764.00	772.85	0.0	2.20	1252.25	1409.16	376.75	0.67
7061.000	42.00	771.40	769.00	660.00	764.00	773.08	0.0	2.45	1249.94	1413.97	414.60	0.24
7061.000	42.00	771.40	769.00	987.00	764.00	773.56	0.0	2.97	1245.28	1423.68	496.05	0.48
7111.000	50.00	0.0	0.0	280.00	765.50	772.09	0.0	3.41	1174.91	1245.96	119.65	0.0
7111.000	50.00	0.0	0.0	528.00	765.50	772.67	0.0	5.17	1169.56	1260.80	166.63	0.58
7111.000	50.00	0.0	0.0	660.00	765.50	772.84	0.0	6.03	1167.90	1265.39	183.51	0.17
7111.000	50.00	0.0	0.0	987.00	765.50	773.13	0.0	8.08	1165.24	1272.77	213.03	0.29
7161.000	50.00	0.0	0.0	280.00	767.00	771.94	0.0	5.82	1185.41	1203.58	48.51	0.0
* M 7161.000	50.00	0.0	0.0	528.00	767.00	772.11	772.11	10.48	1185.28	1207.91	51.95	0.17
* 7161.000	50.00	0.0	0.0	660.00	767.00	773.23	773.23	9.17	1178.24	1236.71	96.29	1.12
* 7161.000	50.00	0.0	0.0	987.00	767.00	774.19	774.19	9.59	1169.39	1261.26	168.26	0.96

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 8109.000	948.00	0.0	0.0	177.00	780.10	781.89	781.89	6.27	1178.19	1334.80	71.08	0.0
N 8109.000	948.00	0.0	0.0	350.00	780.10	782.50	0.0	4.22	1168.91	1378.99	184.56	0.62
8109.000	948.00	0.0	0.0	447.00	780.10	782.50	0.0	5.39	1168.90	1379.01	184.62	0.00
8109.000	948.00	0.0	0.0	695.00	780.10	782.80	0.0	6.05	1164.51	1399.94	249.90	0.30
* 8259.000	150.00	0.0	0.0	177.00	786.20	787.98	787.98	6.33	1178.25	1334.52	70.47	0.0
* 8259.000	150.00	0.0	0.0	350.00	786.20	788.22	788.22	7.55	1174.73	1351.29	109.56	0.23
* 8259.000	150.00	0.0	0.0	447.00	786.20	788.30	788.30	8.29	1173.42	1357.50	125.23	0.09
* 8259.000	150.00	0.0	0.0	695.00	786.20	788.49	788.49	9.76	1170.65	1370.68	160.67	0.18
* 8309.000	50.00	0.0	0.0	177.00	790.10	792.28	792.28	4.76	1583.95	2624.28	77.85	0.0
* 8309.000	50.00	0.0	0.0	350.00	790.10	792.40	792.40	5.75	1572.28	2634.27	118.47	0.13
* 8309.000	50.00	0.0	0.0	447.00	790.10	792.47	792.47	5.97	1566.51	2639.21	140.14	0.06
* 8309.000	50.00	0.0	0.0	695.00	790.10	792.59	792.59	6.54	1555.15	2648.93	185.74	0.13
8371.000	62.00	792.10	793.60	177.00	790.10	792.74	0.0	1.16	1540.97	2661.07	248.13	0.0
8371.000	62.00	792.10	793.60	350.00	790.10	793.04	0.0	1.33	1513.48	2669.84	384.52	0.30
8371.000	62.00	792.10	793.60	447.00	790.10	793.18	0.0	1.40	1501.17	2672.45	451.35	0.13
8371.000	62.00	792.10	793.60	695.00	790.10	793.44	0.0	1.58	1482.74	2677.34	585.78	0.26
* 8421.000	50.00	0.0	0.0	177.00	792.20	793.97	793.97	6.50	1178.40	1333.79	68.87	0.0
* 8421.000	50.00	0.0	0.0	350.00	792.20	794.22	794.22	7.59	1174.77	1351.10	109.08	0.24
* 8421.000	50.00	0.0	0.0	447.00	792.20	794.32	794.32	8.14	1173.25	1358.30	127.30	0.10
* 8421.000	50.00	0.0	0.0	695.00	792.20	794.53	794.53	9.22	1170.01	1373.73	169.30	0.22
* 8521.000	100.00	0.0	0.0	177.00	798.30	800.09	800.09	6.16	1178.09	1335.27	72.12	0.0
* 8521.000	100.00	0.0	0.0	350.00	798.30	800.29	800.29	7.98	1175.18	1349.15	104.29	0.19
* 8521.000	100.00	0.0	0.0	447.00	798.30	800.38	800.38	8.57	1173.72	1356.07	121.56	0.10
* 8521.000	100.00	0.0	0.0	695.00	798.30	800.60	800.60	9.66	1170.54	1371.20	162.14	0.21
* 8655.000	134.00	0.0	0.0	141.00	805.30	807.71	807.71	5.84	1451.97	1520.21	39.03	0.0
* 8655.000	134.00	0.0	0.0	286.00	805.30	808.00	808.00	6.93	1447.70	1526.28	60.66	0.29
* 8655.000	134.00	0.0	0.0	370.00	805.30	808.15	808.15	7.28	1445.63	1529.21	72.24	0.14
* 8655.000	134.00	0.0	0.0	588.00	805.30	808.48	808.48	7.75	1440.82	1536.04	101.88	0.33
8704.000	49.00	809.80	808.30	141.00	805.30	807.71	0.0	5.81	1451.94	1520.25	39.16	0.0
8704.000	49.00	809.80	808.30	286.00	805.30	810.83	0.0	0.76	1406.68	1620.54	439.94	3.12
8704.000	49.00	809.80	808.30	370.00	805.30	811.00	0.0	0.90	1404.11	1627.36	478.68	0.17
8704.000	49.00	809.80	808.30	588.00	805.30	811.37	0.0	1.21	1398.73	1641.66	565.32	0.37
* 8754.000	50.00	0.0	0.0	141.00	806.10	808.48	808.48	6.34	1197.40	1262.83	40.03	0.0
8754.000	50.00	0.0	0.0	286.00	806.10	810.82	0.0	1.55	1163.40	1307.36	290.92	2.35
8754.000	50.00	0.0	0.0	370.00	806.10	811.00	0.0	1.83	1160.89	1309.39	316.27	0.17
8754.000	50.00	0.0	0.0	588.00	806.10	811.37	0.0	2.44	1155.54	1313.74	372.87	0.37
8904.000	150.00	0.0	0.0	141.00	808.50	811.09	0.0	4.75	1194.34	1267.39	54.66	0.0
* 8904.000	150.00	0.0	0.0	286.00	808.50	811.17	811.17	8.55	1193.17	1269.14	60.68	0.08
* 8904.000	150.00	0.0	0.0	370.00	808.50	811.33	811.33	8.98	1190.90	1272.52	73.01	0.16
* 8904.000	150.00	0.0	0.0	588.00	808.50	811.68	811.68	9.68	1185.83	1280.09	103.82	0.35
* 9260.000	356.00	0.0	0.0	120.00	822.00	822.79	822.79	0.0	1253.45	1337.69	53.34	0.0
9260.000	356.00	0.0	0.0	244.00	822.00	823.15	0.0	2.38	1232.17	1652.57	74.15	0.36
9260.000	356.00	0.0	0.0	317.00	822.00	823.27	0.0	2.84	1225.61	1654.96	90.95	0.11
9260.000	356.00	0.0	0.0	507.00	822.00	823.48	0.0	3.70	1213.03	1659.54	128.71	0.21

9260.000 356.00 0.0 0.0 507.00 822.00 823.48 0.0 3.70 1213.05 1659.37 148.71 0.21

SECNO	XLCH	ELYRD	ELLC	Q	ELMIN	CHSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
9310.000	50.00	0.0	0.0	120.00	822.50	823.69	0.0	1.14	1229.69	1653.47	80.26	0.0
9310.000	50.00	0.0	0.0	244.00	822.50	823.97	0.0	1.80	1213.52	1659.36	127.13	0.28
9310.000	50.00	0.0	0.0	317.00	822.50	824.10	0.0	2.04	1205.81	1662.17	153.70	0.13
9310.000	50.00	0.0	0.0	507.00	822.50	824.35	0.0	2.47	1194.05	1667.73	214.18	0.25
* 9360.000	50.00	0.0	0.0	120.00	823.80	824.59	824.59	0.0	1253.41	1337.72	33.40	0.0
* 9360.000	50.00	0.0	0.0	244.00	823.80	824.85	824.85	1.82	1238.25	1645.69	58.90	0.26
* 9360.000	50.00	0.0	0.0	317.00	823.80	824.96	824.96	2.26	1231.60	1645.83	72.34	0.11
* 9360.000	50.00	0.0	0.0	507.00	823.80	825.20	825.20	2.98	1217.46	1646.03	105.69	0.24
9400.000	40.00	825.60	827.10	120.00	823.80	824.60	0.0	0.0	1253.18	1337.91	33.73	0.0
9400.000	40.00	825.60	827.10	244.00	823.80	824.85	0.0	1.82	1237.93	1645.69	59.51	0.26
9400.000	40.00	825.60	827.10	317.00	823.80	824.97	0.0	2.25	1231.24	1645.84	73.15	0.11
9400.000	40.00	825.60	827.10	507.00	823.80	825.21	0.0	2.96	1217.03	1646.03	106.80	0.24
* 9450.000	50.00	0.0	0.0	120.00	825.10	826.21	826.21	3.36	1192.15	1668.83	45.21	0.0
* 9450.000	50.00	0.0	0.0	244.00	825.10	826.43	826.43	3.83	1184.24	1673.40	95.60	0.21
* 9450.000	50.00	0.0	0.0	317.00	825.10	826.48	826.48	4.34	1182.28	1674.54	111.04	0.05
* 9450.000	50.00	0.0	0.0	507.00	825.10	826.64	826.64	4.88	1176.20	1680.09	161.53	0.16
9500.000	50.00	0.0	0.0	120.00	825.60	826.79	0.0	2.68	1189.07	1670.61	61.70	0.0
T 9500.000	50.00	0.0	0.0	244.00	825.60	827.02	0.0	3.01	1180.68	1675.77	123.84	0.23
9500.000	50.00	0.0	0.0	317.00	825.60	827.13	0.0	3.16	1176.85	1679.46	155.89	0.11
9500.000	50.00	0.0	0.0	507.00	825.60	827.31	0.0	3.71	1170.19	1685.89	215.70	0.18

SUMMARY OF ERRORS

CAUTION SECNO= 280.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 280.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 699.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 699.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 699.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3290.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3290.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3290.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3290.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3290.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3290.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3290.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3290.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3290.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3290.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3290.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3290.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3390.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3390.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3390.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3390.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3390.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 3390.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 3390.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 3390.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3390.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3390.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3390.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3390.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3390.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3390.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3390.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3390.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3490.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 3490.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO= 3490.000 PROFILE= 3 HYDRAULIC JUMP D.S.

CAUTION SECNO= 3540.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3540.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3540.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3540.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3540.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4355.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4355.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4355.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4355.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4355.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4355.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4355.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4355.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4355.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4355.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4355.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4405.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4405.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4405.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4405.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4405.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4405.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4405.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4405.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4405.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4405.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4405.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4405.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4455.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4455.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4455.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4455.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4455.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4455.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4455.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4455.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4455.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4455.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4455.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4455.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4469.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 4469.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 4519.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4519.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4519.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4519.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4519.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4519.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4519.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4519.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4519.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4519.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4519.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

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
280.000	0.	-0.9	-0.1	0.3
599.000	319.	-0.8	-0.3	0.4
649.000	369.	-0.9	-0.3	0.5
699.000	419.	-1.0	-0.3	0.6
730.000	450.	-0.8	-0.2	0.4
805.000	525.	-0.8	-0.2	0.4
955.000	675.	-0.9	-0.3	0.5
1030.000	750.	-1.0	-0.3	0.5
1110.000	830.	-1.8	-0.3	0.6
1160.000	880.	-1.8	-0.3	0.6
1210.000	930.	-1.8	-0.3	0.6
1870.000	1590.	-1.8	-0.3	0.6
1970.000	1690.	-1.8	-0.3	0.6
2020.000	1740.	-1.8	-0.3	0.6
2061.000	1781.	-1.8	-0.3	0.6
2111.000	1831.	-1.8	-0.3	0.6
2211.000	1931.	-1.8	-0.3	0.6
3290.000	3010.	-1.4	-0.3	0.8
3340.000	3060.	-1.5	-0.4	0.7
3390.000	3110.	-1.9	-0.3	0.6
3490.000	3210.	-3.0	-0.9	-0.8
3540.000	3260.	-2.6	-1.0	-0.3
3590.000	3310.	-1.8	-0.8	0.3
4355.000	4075.	-2.1	-1.0	0.8
4405.000	4125.	-2.2	-1.0	0.7
4455.000	4175.	-3.7	-2.2	0.6
4469.000	4189.	-3.7	-2.4	0.6
4519.000	4239.	-2.1	-1.0	0.8
4569.000	4289.	-2.2	-1.0	0.7
6398.000	6110.	-1.1	-0.2	0.7
6548.000	6268.	-1.2	-0.4	0.6
6598.000	6318.	-0.8	-0.2	0.5
6652.000	6372.	-0.9	-0.2	0.4
6702.000	6422.	-0.8	-0.2	0.4
6852.000	6572.	-0.9	-0.3	0.5
6919.000	6639.	-0.9	-0.5	1.0
6969.000	6689.	-2.8	-1.1	1.0
7019.000	6739.	-1.1	-0.3	0.5
7061.000	6781.	-0.9	-0.2	0.5
7111.000	6831.	-0.8	-0.2	0.3
7161.000	6881.	-1.3	-1.1	1.0
8109.000	7829.	-0.6	-0.0	0.3
8259.000	7979.	-0.3	-0.1	0.2
8309.000	8029.	-0.2	-0.1	0.1
8371.000	8091.	-0.4	-0.1	0.3
8421.000	8141.	-0.3	-0.1	0.2
8521.000	8241.	-0.3	-0.1	0.2
8655.000	8375.	-0.4	-0.1	0.3
8704.000	8424.	-3.3	-0.2	0.4
8754.000	8474.	-2.5	-0.2	0.4

8521.000	8241.	-0.3	-0.1	0.2
8655.000	8375.	-0.4	-0.1	0.3
8704.000	8424.	-2.3	-0.2	0.4
8754.000	8474.	-2.5	-0.2	0.4
8904.000	8624.	-0.2	-0.2	0.4
9260.000	8980.	-0.5	-0.1	0.2
9310.000	9030.	-0.4	-0.1	0.3
9360.000	9080.	-0.4	-0.1	0.2
9400.000	9120.	-0.4	-0.1	0.2
9450.000	9170.	-0.3	-0.1	0.2
9500.000	9220.	-0.3	-0.1	0.2

WEIGHTED AVG. FOR REACH -1.4 -0.4 0.6

FHF FOR THE REACH = 015 WITH 64.00 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
		100'	10'	DIFF.			
	0.					SEC. 280.000	
1	100.	703.4	704.3	-0.9	-0.9	010	100.
2	200.	703.9	704.8	-0.9	-0.9	010	100.
3	300.	704.5	705.3	-0.8	-0.9	010	100.
	319.					SEC. 599.000	
	369.					SEC. 649.000	
4	400.	705.2	706.1	-0.9	-0.9	010	100.
	419.					SEC. 699.000	
	450.					SEC. 730.000	
5	500.	707.7	708.5	-0.8	-0.9	010	100.
	525.					SEC. 805.000	
6	600.	707.8	708.6	-0.8	-0.9	010	100.
	675.					SEC. 955.000	
7	700.	707.9	708.8	-0.9	-0.9	010	100.
	750.					SEC. 1030.000	
8	800.	711.8	713.0	-1.2	-0.9	010	100.
	830.					SEC. 1110.000	
	880.					SEC. 1160.000	
9	900.	720.0	721.8	-1.8	-1.0	010	89.
	930.					SEC. 1210.000	
10	1000.	720.0	721.8	-1.8	-1.1	010	80.
11	1100.	720.0	721.8	-1.8	-1.1	010	73.
12	1200.	720.0	721.8	-1.8	-1.2	010	67.
13	1300.	720.0	721.8	-1.8	-1.2	010	62.
14	1400.	720.0	721.8	-1.8	-1.3	015	93.
15	1500.	720.0	721.8	-1.8	-1.3	015	93.
	1590.					SEC. 1870.000	
16	1600.	720.0	721.8	-1.8	-1.3	015	81.
	1690.					SEC. 1970.000	
17	1700.	720.0	721.8	-1.8	-1.4	015	76.
	1740.					SEC. 2020.000	
	1781.					SEC. 2061.000	
18	1800.	720.1	721.9	-1.8	-1.4	015	72.
	1831.					SEC. 2111.000	
19	1900.	720.1	721.9	-1.8	-1.4	015	74.
	1931.					SEC. 2211.000	
20	2000.	720.1	721.9	-1.8	-1.4	015	70.
21	2100.	720.3	722.0	-1.8	-1.4	015	67.
22	2200.	720.4	722.1	-1.7	-1.5	015	60.
23	2300.	720.6	722.3	-1.7	-1.5	015	70.
24	2400.	720.7	722.4	-1.7	-1.5	015	71.
25	2500.	720.9	722.5	-1.6	-1.5	015	72.
26	2600.	721.0	722.6	-1.6	-1.5	015	73.

21	2100.	720.3	722.0	-1.8	-1.4	015	67.
22	2200.	720.4	722.1	-1.7	-1.5	015	68.
23	2300.	720.6	722.3	-1.7	-1.5	015	70.
24	2400.	720.7	722.4	-1.7	-1.5	015	71.
25	2500.	720.9	722.5	-1.6	-1.5	015	72.
26	2600.	721.0	722.6	-1.6	-1.5	015	73.
27	2700.	721.2	722.7	-1.5	-1.5	015	74.
28	2800.	721.3	722.8	-1.5	-1.5	015	75.
29	2900.	721.5	723.0	-1.5	-1.5	015	76.
30	3000.	721.6	723.1	-1.4	-1.5	015	77.
	3010.					SEC. 3290.000	
	3060.					SEC. 3340.000	
31	3100.	722.5	724.1	-1.6	-1.5	015	77.
	3110.					SEC. 3390.000	
32	3200.	722.6	725.0	-2.4	-1.5	015	75.
	3210.					SEC. 3490.000	
	3260.					SEC. 3540.000	
33	3300.	723.6	725.8	-2.3	-1.5	015	73.
	3310.					SEC. 3590.000	
34	3400.	724.3	726.2	-1.9	-1.6	015	74.
35	3500.	724.9	726.7	-1.9	-1.6	015	74.
36	3600.	725.4	727.3	-1.9	-1.6	015	75.
37	3700.	726.0	727.9	-2.0	-1.6	015	76.
38	3800.	726.5	728.5	-2.0	-1.6	015	76.
39	3900.	727.1	729.1	-2.0	-1.6	015	77.
40	4000.	727.6	729.7	-2.1	-1.6	015	78.
	4075.					SEC. 4355.000	
41	4100.	728.6	730.7	-2.1	-1.6	015	76.
	4125.					SEC. 4405.000	
	4175.					SEC. 4455.000	
	4189.					SEC. 4469.000	
42	4200.	731.9	735.4	-3.5	-1.7	015	76.
	4239.					SEC. 4519.000	
	4289.					SEC. 4569.000	
43	4300.	736.0	738.2	-2.2	-1.7	015	77.
44	4400.	736.7	738.9	-2.1	-1.7	015	77.
45	4500.	738.1	740.2	-2.1	-1.7	015	76.
46	4600.	739.5	741.5	-2.0	-1.7	015	76.
47	4700.	740.8	742.8	-2.0	-1.7	015	77.
48	4800.	742.2	744.1	-1.9	-1.7	015	77.
49	4900.	743.6	745.4	-1.8	-1.7	015	78.
50	5000.	744.9	746.7	-1.8	-1.7	015	78.
51	5100.	746.3	748.0	-1.7	-1.7	015	78.
52	5200.	747.7	749.3	-1.7	-1.7	015	79.
53	5300.	749.0	750.7	-1.6	-1.7	015	79.
54	5400.	750.4	752.0	-1.6	-1.7	015	80.
55	5500.	751.8	753.3	-1.5	-1.7	015	80.
56	5600.	753.1	754.6	-1.4	-1.7	015	80.
57	5700.	754.5	755.9	-1.4	-1.7	015	81.
58	5800.	755.9	757.2	-1.3	-1.7	015	83.
59	5900.	757.2	758.5	-1.3	-1.7	015	83.
60	6000.	758.6	759.8	-1.2	-1.7	015	83.
61	6100.	760.0	761.1	-1.2	-1.7	015	82.
	6118.					SEC. 6398.000	
62	6200.	761.1	762.3	-1.1	-1.7	015	81.
	6268.					SEC. 6548.000	
63	6300.	762.5	763.5	-1.1	-1.7	015	78.
	6318.					SEC. 6598.000	
	6372.					SEC. 6652.000	
64	6400.	766.0	766.8	-0.8	-1.6	015	80.
	6422.					SEC. 6702.000	
65	6500.	766.0	766.8	-0.9	-1.6	015	77.
	6572.					SEC. 6852.000	
66	6600.	766.0	766.9	-0.9	-1.6	015	74.
	6639.					SEC. 6919.000	
	6689.					SEC. 6969.000	
67	6700.	766.3	768.5	-2.6	-1.6	015	75.
	6739.					SEC. 7019.000	
	6781.					SEC. 7061.000	
68	6800.	772.2	773.0	-0.9	-1.6	015	72.
	6831.					SEC. 7111.000	

67	6700.	766.3	768.9	-2.6	-1.6	015	75.
	6739.					SEC.	7019.000
	6781.					SEC.	7061.000
68	6800.	772.2	773.0	-0.9	-1.6	015	72.
	6831.					SEC.	7111.000
	6881.					SEC.	7161.000
69	6900.	772.0	773.3	-1.3	-1.6	015	72.
70	7000.	772.7	773.9	-1.2	-1.6	015	73.
71	7100.	773.7	774.9	-1.2	-1.6	015	73.
72	7200.	774.8	775.9	-1.1	-1.6	015	74.
73	7300.	775.8	776.8	-1.0	-1.6	015	71.
74	7400.	776.9	777.8	-1.0	-1.6	015	70.
75	7500.	777.9	778.8	-0.9	-1.6	015	69.
76	7600.	779.0	779.8	-0.8	-1.6	015	67.
77	7700.	780.0	780.8	-0.7	-1.6	015	68.
78	7800.	781.1	781.7	-0.7	-1.5	015	65.
	7829.					SEC.	8109.000
79	7900.	783.2	783.7	-0.6	-1.5	015	66.
	7979.					SEC.	8259.000
80	8000.	787.3	787.7	-0.4	-1.5	015	65.
	8029.					SEC.	8309.000
	8091.					SEC.	8371.000
81	8100.	792.9	793.3	-0.4	-1.5	015	62.
	8141.					SEC.	8421.000
82	8200.	795.3	795.6	-0.4	-1.5	015	61.
	8241.					SEC.	8521.000
83	8300.	800.5	800.8	-0.3	-1.5	015	60.
	8375.					SEC.	8655.000
84	8400.	805.6	806.7	-1.1	-1.5	015	61.
	8424.					SEC.	8704.000
	8474.					SEC.	8754.000
85	8500.	808.7	811.0	-2.3	-1.5	015	60.
86	8600.	809.8	811.2	-1.4	-1.5	015	60.
	8624.					SEC.	8904.000
87	8700.	812.1	812.6	-0.4	-1.5	015	60.
88	8800.	815.2	815.6	-0.3	-1.5	015	58.
89	8900.	818.5	818.9	-0.4	-1.4	015	58.
	8980.					SEC.	9260.000
90	9000.	821.7	822.1	-0.4	-1.4	015	58.
	9030.					SEC.	9310.000
	9080.					SEC.	9360.000
91	9100.	824.6	825.0	-0.4	-1.4	015	57.
	9120.					SEC.	9400.000
	9170.					SEC.	9450.000
92	9200.	826.4	826.7	-0.3	-1.4	015	57.
	9220.					SEC.	9500.000

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 EXAMPLEL 202 62 92
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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

EJ

MAK RMK3GQ 26-PAGES 1400-LINES 0-PLOTS # RTI.A25.P03078

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