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ROWAN COUNTY
TOWN OF GRANIT QUARRY
TREXLER CREEK

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

MADE IN U.S.A.

PROGRAMMER=NAK ACCOUNT=RTI-A25-PO3076

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	298
EXECUTED	10/06/77	18:50:29.1	PAGES	200	267	DR EXCPS	0:07.1	LINES OUT	1396
RETURNED	10/07/77	12:54:38.1	CARDS	0	0	DISK EXCPS	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	57.48

JOB 388 2005 0 L E 1 0 3

10.50.26 JOB 388 -- RAK350 -- JCL INTERPRETED, TUCC CPU 62
 10.50.28 JOB 388 -- RAK350 -- BEGINNING EXECUTE INIT 5 -- CLASS
 10.50.29 JOB 388 ++++FSENRSTYEFOTURAK350 18:50:29 WAK
 10.52.15 JOB 388 END EXECUTION.

HLOC RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR = 01

MODIFICATION = 50,51,52

T1 GRANITE QUARRY-ROWAN CO. STN 3-350 UNGRADED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
T3 10 YEAR FLOOD WATER SURFACE PROFILE

JJ	ICHECK	IBC	MINV	YDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	2.	0.	0.	0.005000	0.0	0.0	0.	702.600	0.0

JZ	IPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHDIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

J5 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
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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 LPRINT CODES *****REQUESTED SECTION NUMBERS*****

-10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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MC	0.055	0.155	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
AT	5.000	657.000	1133.000	1436.000	2003.000	1436.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	5.0	0.0	0.0	10.400	0.0	0.0	0.0	0.0

Q1	240.000	19.000	1528.000	1620.000	210.000	240.000	280.000	0.0	0.0	0.0
SR	721.200	1000.000	707.700	1100.000	703.000	1200.000	703.300	1300.000	702.900	1400.000
SR	703.200	1500.000	703.700	1598.000	698.400	1594.000	697.600	1600.000	698.200	1606.000
SR	704.000	1620.000	705.000	1635.000	704.700	1700.000	705.900	1800.000	706.800	1900.000
SR	709.300	2000.000	714.700	2100.000	717.200	2200.000	719.500	2290.000	0.0	0.0
DT	57000	648.000	1117.000	1397.000	1691.000	1397.000	0.0	0.0	0.0	0.0

Q1	492.000	17.000	1526.000	1344.000	319.000	319.000	319.000	0.0	-2.500	0.0
SR	725.100	1000.000	720.700	1100.000	717.700	1200.000	711.600	1273.000	708.100	1300.000
SR	707.500	1326.000	712.000	1332.000	701.500	1334.000	701.700	1339.000	707.000	1344.000
SR	705.400	1400.000	709.500	1500.000	712.400	1500.000	716.700	1700.000	718.500	1800.000
SR	721.500	1900.000	722.800	2000.000	0.0	0.0	0.0	0.0	0.0	0.0

Q3	600.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
MC	0.000	0.160	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

Q1	693.000	20.000	1590.400	1395.600	50.000	50.000	50.000	0.0	0.0	0.0
SR	720.300	1000.000	716.100	1100.000	712.000	1200.000	708.200	1300.000	707.300	1350.000
SR	706.200	1359.000	705.600	1395.000	702.500	1390.400	700.700	1391.000	699.900	1392.000
SR	697.700	1593.000	699.900	1374.000	700.700	1395.000	702.300	1395.600	705.100	1403.000
SR	703.500	1459.000	706.500	1539.000	710.500	1639.000	714.800	1759.000	716.000	1800.000

MADE IN U.S.A.

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 1000.700 720.300 0.0 1100.000 716.100 0.0 1200.000 712.000 0.0
BT 1390.000 703.200 0.0 1390.400 706.500 702.300 1391.000 706.500 703.900 1392.000
BT 703.500 704.700 1393.000 706.500 704.900 1394.000 706.500 704.700 1395.000 703.500
BT 703.900 1395.400 706.500 702.300 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 1800.000 716.000 0.0 0.0
XC 0.055 0.055 0.055 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 1326.100 702.000 1332.000 701.600 1334.000 701.700 1339.000 707.000 1344.000
GR 703.400 1400.000 706.500 1500.000 712.400 1600.000 716.700 1700.000 718.500 1800.000
GR 720.600 1900.100 722.000 2000.000 0.0 0.0 0.0 0.0 0.0 0.0
BT 5.000 637.000 1116.000 1345.000 1889.000 1345.000 0.0 0.0 0.0 0.0

X1 355.000 0.0 0.0 0.0 150.000 150.000 150.000 0.0 0.500 0.0
XC 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 1692.000 719.500 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 1500.000 727.900 0.0 1400.000 724.900 0.0 1420.200 724.800 706.400 1424.100
BT 724.800 706.800 1428.400 724.700 705.800 1429.000 724.700 707.000 1429.900 724.700
BT 707.300 1431.400 724.700 706.800 1431.400 724.700 705.800 1500.000 723.600 0.0
BT 1500.000 722.700 0.0 1700.000 722.500 0.0 1500.000 721.200 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
XC 0.055 0.055 0.055 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1110.000 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 1326.100 702.000 1332.000 701.600 1334.000 701.700 1339.000 707.000 1344.000
GR 703.400 1400.000 706.500 1500.000 712.400 1600.000 716.700 1700.000 718.500 1800.000
GR 720.600 1900.100 722.000 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
BT 5.000 622.000 1031.000 1302.000 1925.000 1302.000 0.0 0.0 0.0 0.0

X1 1370.000 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 1038.000 709.200 1100.000 705.200 1103.000 704.900 1105.000
GR 705.200 1103.000 703.000 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
XC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

MADE IN U.S.A.

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
GR	707,800	1332,000	708,600	1333,000	711,200	1334,000	713,800	1425,000	715,400	1485,000
GR	715,300	1500,000	718,400	1500,000	724,400	1700,000	729,500	1800,000	0,0	0,0
SR	0,900	1,500	2,500	0,0	0,000	0,010	50,000	0,0	0,0	0,0

X1	2051,000	0,0	0,0	0,0	41,000	41,000	41,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	715,200	715,300	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	731,600	0,0	1100,000	724,700	0,0	1200,000	719,100	0,0
BT	1301,000	716,300	0,0	1326,000	716,900	711,200	1327,000	716,900	713,300	1328,000
BT	716,900	716,500	1330,000	716,900	715,200	1332,000	715,900	714,600	1333,000	716,900
BT	713,800	1334,000	716,200	711,200	1400,000	715,600	0,0	1500,000	715,300	0,0
BT	1600,000	718,000	0,0	1700,000	724,400	0,0	1800,000	729,500	0,0	0,0
TC	0,015	0,055	0,055	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	2111,000	11,000	1100,000	1111,000	50,000	50,000	50,000	0,0	3,100	0,0
GR	725,200	1000,000	710,000	1056,000	709,200	1100,000	705,200	1103,000	704,900	1105,000
GR	705,200	1105,000	708,000	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	2211,000	0,0	0,0	0,0	100,000	100,000	100,000	0,0	1,500	0,0
BT	15,000	621,000	1000,000	1501,000	1824,000	1301,000	0,0	0,0	0,0	0,0

X1	3230,000	12,000	1200,000	1220,000	1079,000	1079,000	1079,000	0,0	-0,100	0,0
GR	739,400	1000,000	732,500	1130,000	721,500	1135,000	720,500	1200,000	716,900	1210,000
GR	719,800	1212,000	716,900	1214,000	721,000	1220,000	723,900	1300,000	728,300	1400,000
GR	732,400	1500,000	735,300	1500,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	3340,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,100	0,0
TC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	3390,000	13,000	1300,000	1309,500	50,000	50,000	50,000	0,0	0,0	0,0
GR	747,200	1000,000	746,400	1100,000	743,500	1200,000	739,200	1300,000	734,200	1380,000
GR	722,500	1468,000	721,000	1420,000	721,300	1405,000	718,100	1485,000	718,100	1499,500
GR	722,300	1499,500	725,200	1310,000	729,600	1680,000	733,700	1780,000	737,600	1880,000
GR	731,100	1500,000	736,900	2000,000	749,200	2060,000	0,0	0,0	0,0	0,0
SR	1,200	1,000	0,0	0,0	10,500	0,500	112,000	0,0	0,0	0,0

X1	3400,000	0,0	0,0	0,0	100,000	100,000	100,000	0,0	0,0	0,0
GR	738,000	1000,000	738,100	726,100	731,000	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	743,500	0,0	1100,000	746,500	0,0	1200,000	743,500	0,0
BT	1300,000	732,500	0,0	1300,000	735,000	0,0	1485,000	732,300	726,100	1499,500
BT	731,000	726,100	1420,000	731,700	0,0	1600,000	731,000	0,0	1700,000	733,000
BT	722,500	1499,500	725,200	0,0	1500,000	741,400	0,0	2000,000	746,400	0,0
BT	2000,000	749,200	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
TC	0,01	0,035	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	3540,000	12,000	1200,000	1220,000	50,000	50,000	50,000	0,0	1,400	0,0
GR	755,400	1000,000	732,500	1100,000	721,500	1105,000	720,500	1200,000	716,900	1210,000
GR	716,900	1212,000	716,900	1214,000	721,000	1220,000	723,900	1300,000	728,300	1400,000
GR	732,400	1500,000	735,300	1500,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	3590,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,100	0,0
BT	15,000	621,000	1000,000	749,000	1112,000	749,000	0,0	0,0	0,0	0,0

MADE IN U.S.A.

X1	4355.000	12.000	1225.000	1218.000	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	725.800	1234.000	727.000	1237.900	731.600	1248.000	732.200	1300.000	736.900	1400.000
SR	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	744.600	1100.000	740.000	1200.000	735.200	1300.000	733.400	1334.000
GR	728.700	1234.000	726.700	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
SR	0.900	1.500	2.500	0.0	12.000	0.010	55.000	0.0	0.0	0.0

X1	4465.000	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	746.200	0.0	1100.000	744.000	0.0	1200.000	740.000	0.0
BT	1500.000	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	4515.000	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	725.800	1234.000	727.000	1237.000	731.600	1248.000	732.200	1300.000	736.900	1400.000
SR	745.000	1500.000	747.000	1528.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	4565.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.900	0.0
BT	5.000	251.000	829.000	862.000	892.000	662.000	0.0	0.0	0.0	0.0

X1	4595.000	10.000	1090.000	1090.000	1629.000	1629.000	1629.000	0.0	-4.400	0.0
GR	775.400	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	4645.000	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	4695.000	12.000	1204.000	1288.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	775.200	1000.000	772.500	1100.000	767.500	1200.000	765.300	1260.000	762.700	1261.000
GR	761.600	1204.000	760.500	1284.200	769.700	1285.000	759.400	1286.000	759.700	1287.000
GR	767.500	1207.500	761.400	1285.900	763.000	1291.000	762.900	1301.000	766.400	1401.000
GR	775.200	1304.000	776.200	1331.000	779.200	1555.000	0.0	0.0	0.0	0.0
SR	0.900	1.500	2.500	0.0	4.000	0.010	12.600	0.0	0.0	0.0

X1	4695.000	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	1274.200	764.700	761.400	1264.200	764.700	762.300	1285.000	764.700	763.100	1286.000
BT	767.700	762.300	1257.000	764.700	763.100	1287.500	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	4702.000	10.000	1090.000	1090.000	50.000	50.000	50.000	0.0	-1.100	0.0
GR	775.400	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

MADE IN U.S.A.

X1	6852.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.100	0.0
BT	5.950	280.000	528.000	660.000	937.000	660.000	0.0	0.0	0.0	0.0

X1	6919.000	11.000	1185.000	1199.000	67.000	67.000	67.000	0.0	0.0	0.0
GR	793.600	1000.000	775.500	1100.000	766.300	1185.000	760.800	1189.000	760.900	1194.000
GR	750.800	1196.000	765.700	1198.000	755.600	1200.000	759.500	1300.000	779.000	1400.000
GR	753.600	1487.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6959.000	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	757.100	1000.000	782.400	1100.000	775.100	1200.000	774.100	1240.000	769.400	1285.000
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	766.900	1299.000	768.700	1301.000	772.400	1400.000
GR	777.300	1500.000	783.100	1500.000	787.100	1700.000	0.0	0.0	0.0	0.0
SB	0.500	1.300	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0

X1	7051.000	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	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	771.490
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	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	7111.900	11.000	1185.000	1196.000	50.000	50.000	50.000	0.0	4.700	0.0
GR	793.600	1000.000	775.500	1100.000	766.300	1185.000	760.800	1189.000	760.900	1194.000
GR	750.800	1196.000	765.700	1198.000	755.600	1200.000	759.500	1300.000	779.000	1400.000
GR	753.600	1487.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	7151.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.500	0.0
BT	3.000	177.000	528.000	667.000	695.000	667.000	0.0	0.0	0.0	0.0

X1	7199.000	10.000	1185.000	1195.000	98.000	98.000	98.000	0.0	-18.200	0.0
GR	819.300	1000.000	785.500	1100.000	799.300	1190.000	798.300	1192.000	799.400	1195.000
GR	789.600	1200.000	795.600	1300.000	801.000	1400.000	806.200	1500.000	810.300	1560.000

X1	7259.000	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	7309.000	26.000	2455.200	2458.700	50.000	50.000	50.000	0.0	0.0	0.0
GR	799.500	1000.000	777.700	1200.000	794.500	1400.000	793.200	1500.000	792.100	1600.000
GR	799.300	1700.000	793.600	1400.000	796.700	1900.000	796.900	2000.000	796.900	2100.000
GR	797.600	2200.000	795.000	2300.000	795.200	2395.000	791.900	2443.000	791.900	2455.200
GR	790.900	2455.000	790.800	2456.000	790.100	2457.000	790.400	2458.000	790.900	2458.500
GR	791.900	2458.700	791.900	2458.000	792.800	2456.000	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	0.000	1.700	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	795.500	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

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BT	795,800	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	795,600	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	610,100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	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
BT	810,300	1000,000	805,300	1100,000	799,300	1190,000	798,300	1192,000	799,400	1195,000
BT	799,800	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
BT	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	236,000	370,000	508,000	370,000	0.0	0.0	0.0	0.0

X1	8555,000	20,000	1498,500	1501,500	134,000	134,000	134,000	0.0	0.0	0.0
BT	824,600	1000,000	820,900	1100,000	818,900	1200,000	817,500	1300,000	816,700	1320,000
BT	814,400	1355,000	807,900	1455,000	806,800	1498,500	805,700	1499,000	805,300	1500,000
BT	805,700	1501,000	806,800	1501,500	809,400	1555,000	810,100	1563,000	810,300	1600,000
BT	812,900	1700,000	812,200	1800,000	812,300	1900,000	816,300	2000,000	818,900	2088,000
BT	0.900	1.500	2.500	0.0	3.000	0.010	7.000	0.0	0.0	0.0

X1	8703,000	0.0	0.0	0.0	49,000	49,000	49,000	0.0	0.0	0.0
BT	0.0	0.0	1,000	808,300	809,800	0.0	0.0	0.0	0.0	0.0
BT	15,000	1000,000	824,600	0.0	1100,000	820,900	0.0	1200,000	818,900	0.0
BT	1398,000	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	809,300	1501,000	809,600	807,900	1501,500	809,800
BT	805,800	1500,000	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	2038,000	818,900	0.0	0.0
BT	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	8734,000	9,000	1244,000	1246,000	50,000	50,000	50,000	0.0	-2,400	0.0
BT	823,900	1000,000	817,500	1100,000	816,700	1200,000	809,700	1244,000	808,500	1245,000
BT	818,100	1246,000	812,300	1300,000	821,100	1400,000	823,900	1490,000	0.0	0.0

X1	8800,000	0.0	0.0	0.0	150,000	150,000	150,000	0.0	2,400	0.0
BT	0.0	120,000	817,500	817,000	527,000	817,500	0.0	0.0	0.0	0.0

X1	8831,000	13,000	1675,000	1675,000	356,000	356,000	356,000	0.0	-2,300	0.0
BT	823,900	1000,000	823,700	1100,000	825,000	1200,000	824,300	1300,000	826,400	1400,000
BT	825,700	1500,000	825,500	1500,000	825,100	1645,000	825,500	1675,000	827,200	1700,000
BT	841,600	1945,000	841,600	1945,000	841,500	1945,000	0.0	0.0	0.0	0.0

X1	8517,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.500	0.0
BT	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	8340,000	25,000	1245,700	1246,200	50,000	50,000	50,000	0.0	0.0	0.0
BT	825,600	1000,000	826,700	1100,000	827,000	1120,000	825,500	1200,000	823,800	1300,000
BT	825,900	1400,000	825,200	1500,000	825,000	1600,000	825,900	1643,700	825,100	1644,000
BT	844,700	1644,500	824,600	1545,000	824,700	1645,300	825,100	1646,000	825,900	1646,200
BT	825,000	1675,000	825,700	1700,000	825,000	1800,000	834,200	1820,000	835,300	1900,000
BT	837,000	2000,000	840,300	2100,500	839,300	2200,000	840,500	2300,000	841,600	2400,000
BT	843,100	2500,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	0.900	1.500	2.500	0.0	3.000	0.010	5.000	0.0	0.0	0.0

X1	9400.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	227.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	23.000	1000.000	825.600	0.0	1100.000	826.700	0.0	1200.000	828.000	0.0
BT	1300.000	820.300	0.0	1400.000	829.800	0.0	1500.000	831.100	0.0	1600.000
BT	832.100	0.0	1643.700	832.400	825.900	1644.000	832.400	826.600	1644.500	832.400
BT	827.000	1645.000	832.400	827.100	1645.500	832.400	827.000	1646.000	832.400	826.600
BT	1646.200	832.400	825.900	1700.000	833.100	0.0	1800.000	834.000	0.0	1900.000
BT	835.300	0.0	2000.000	837.000	0.0	2100.000	838.300	0.0	2200.000	839.300
BT	0.0	2300.000	840.500	0.0	2400.000	841.600	0.0	2500.000	843.100	0.0
WC	0.055	0.055	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	9450.000	13.000	1600.000	1675.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	831.000	1000.000	820.700	1100.000	826.000	1200.000	826.200	1300.000	826.400	1400.000
GR	829.700	1500.000	826.500	1600.000	825.100	1645.000	826.500	1675.000	827.200	1700.000
GR	833.500	1500.000	839.400	1900.000	841.500	1945.000	0.0	0.0	0.0	0.0

X1	9500.000	0.0	0.0	0.0	20.000	50.000	50.000	0.0	0.500	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

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 N-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	QINV	IQIR	STRY	METRIC	HVIGS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.005000	0.0	0.0	0.	703.600	0.0

J2	MPROJ	IPLOT	PRFS	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

MADE IN U.S.A.

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 N-G JOB NO. 6918
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IMG	WINV	IDI	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	4.	0.	0.	0.005000	0.0	0.0	0.	705.600	0.0

J2	MPROF	IPLOT	PRFVS	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

MADE IN U.S.A.

REC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - P1

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 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IRIG	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.005000	0.0	0.0	0.	706.600	0.0

J2	WPROF	IDLOT	PRFVS	XSECV	XSECH	FN	ALLDC	TBW	CHNIM	YTRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

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

0

6.91 *1.91*

SECNO	XLCH	ELTRO	ELLC	W	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
*A 200.000	280.00	0.0	0.0	687.00	697.60	703.11	701.93	6.59	1340.53	1639.03	116.10	0.0
*A 280.000	280.00	0.0	0.0	1195.00	697.60	703.92	703.92	6.48	1196.80	1670.23	399.11	0.82
*A 280.000	280.00	0.0	0.0	1456.00	697.60	704.04	704.04	7.01	1193.90	1674.83	456.49	0.12
*A 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
B 599.000	319.00	0.0	0.0	646.00	699.10	704.39	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
B 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
B 599.000	319.00	0.0	0.0	1891.00	699.10	706.08	0.0	8.93	1296.28	1562.09	410.23	0.41
649.000	50.00	0.0	0.0	646.00	699.40	705.09	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	1299.58	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	1503.63	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	1292.89	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
C 950.000	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 950.000	150.00	0.0	0.0	1116.00	701.60	708.56	0.0	5.32	1296.42	1501.64	406.56	0.65
C 950.000	150.00	0.0	0.0	1345.00	701.60	708.82	0.0	5.64	1294.46	1508.13	459.64	0.25
C 950.000	150.00	0.0	0.0	1689.00	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	573.66	0.26
1030.000	75.00	0.0	0.0	1689.00	701.20	709.58	0.0	2.79	1377.52	1629.86	700.83	0.52

MADE IN U.S.A.

	SECD	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
ROMAN COUNTY	1118.000	80.00	719.30	707.30	637.00	701.20	720.05	0.0	0.11	1200.35	1940.00	5528.72	0.0
	1118.000	50.00	719.30	707.30	1116.00	701.20	721.49	0.0	0.16	1142.46	1940.00	6633.83	1.44
	1118.000	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	60.00	719.30	707.30	1889.00	701.20	722.42	0.0	0.24	1103.68	1940.00	7394.32	0.59
ROMAN 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
1220 CORP LIMITS	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	650.00	0.0	0.0	622.00	704.90	720.05	0.0	0.41	1019.65	1415.61	2711.00	0.0
	1870.000	650.00	0.0	0.0	1081.00	704.90	721.49	0.0	0.58	1014.16	1445.61	3306.61	1.44
	1870.000	650.00	0.0	0.0	1302.00	704.90	721.83	0.0	0.67	1012.87	1452.66	3454.01	0.34
	1870.000	650.00	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	1025.38	1385.00	2144.73	0.0
	1970.000	100.00	0.0	0.0	1081.00	706.40	721.49	0.0	0.73	1019.86	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	3233.43	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
B	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	721.83	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
B	2211.000	100.00	0.0	0.0	622.00	709.50	720.03	0.0	1.03	1037.07	1323.73	1154.72	0.0
	2211.000	100.00	0.0	0.0	1081.00	709.50	721.34	0.0	1.26	1031.52	1352.81	1596.80	1.44
	2211.000	100.00	0.0	0.0	1302.00	709.50	721.59	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
C	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	0.82
	3340.000	50.00	0.0	0.0	1824.00	716.80	724.73	0.0	8.09	1160.94	1318.80	411.07	0.67

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SECNO	XLCH	ELYRD	ELLC	Q	FLMIN	CWSEL	CRINS	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	1559.16	253.21	0.57
* 3490.000	100.00	731.00	726.10	621.00	718.10	722.85	0.0	8.24	1464.65	1514.67	87.15	0.0
* 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	396.40	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	-0.94
* 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
* 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
* 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	732.56	732.56	11.75	1334.00	1346.00	51.15	1.46
* 4455.000	50.00	0.0	0.0	749.00	728.70	735.16	735.16	7.95	1300.77	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	139.23	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
* 4569.000	50.00	0.0	0.0	749.00	732.50	738.06	738.06	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	1319.92	189.33	0.71
* 6395.000	1829.00	0.0	0.0	281.00	756.60	760.90	760.90	7.24	1073.81	1125.68	56.56	0.0
* H 6395.000	1829.00	0.0	0.0	529.00	756.60	761.76	761.76	8.28	1068.95	1150.31	114.00	0.86
* 6395.000	1829.00	0.0	0.0	662.00	756.60	762.01	762.01	9.03	1067.55	1157.44	135.36	0.25
* 6395.000	1829.00	0.0	0.0	992.00	756.60	762.69	762.69	9.56	1063.72	1176.84	204.28	0.68

MADE IN U.S.A.
 GRANITE PAPER
 ROWAN CO.

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SEONO	XLCP	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
6546.000	150.00	0.0	0.0	281.00	757.60	762.16	761.9A	6.62	1072.95	1130.05	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	1062.63	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
* T 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	1221.30	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	1195.14	1212.99	56.96	0.0
L 6919.000	67.00	0.0	0.0	528.00	760.80	766.55	765.95	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
7051.000	42.00	771.40	769.00	280.00	764.00	772.18	0.0	1.65	1258.74	1394.26	279.49	0.0
7051.000	42.00	771.40	769.00	528.00	764.00	772.85	0.0	2.20	1252.25	1409.16	376.75	0.67
7051.000	42.00	771.40	769.00	660.00	764.00	773.08	0.0	2.45	1249.94	1413.97	414.60	0.24
7051.000	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
7151.000	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 7151.000	50.00	0.0	0.0	528.00	767.00	772.11	772.11	10.44	1185.28	1207.91	51.95	0.17
* 7151.000	50.00	0.0	0.0	660.00	767.00	773.23	773.23	9.17	1178.24	1236.71	96.29	1.12
* 7151.000	50.00	0.0	0.0	987.00	767.00	774.19	774.19	9.59	1169.39	1261.26	168.26	0.96

MADE IN U.S.A.

MADE IN U.S.A.

	SECRD	XLCH	ELECTD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
N	* 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
	* 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	782.50	0.0	6.05	1168.51	1399.94	249.90	0.30
M	* 8259,000	150.00	0.0	0.0	177.00	786.20	787.98	787.98	6.33	1170.25	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	1170.55	1370.68	160.67	0.18
L	* 8309,000	50.00	0.0	0.0	177.00	790.10	792.28	792.28	4.76	1583.95	2324.28	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	5.77	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
K	* 8371,000	62.00	792.10	793.50	177.00	790.10	792.74	0.0	1.16	1540.97	2651.07	248.13	0.0
	* 8371,000	62.00	792.10	793.50	350.00	790.10	793.04	0.0	1.33	1513.48	2660.84	384.52	0.30
	* 8371,000	62.00	792.10	793.50	447.00	790.10	793.18	0.0	1.40	1501.17	2672.45	451.35	0.13
	* 8371,000	62.00	792.10	793.50	695.00	790.10	793.44	0.0	1.58	1482.74	2677.34	585.78	0.26
J	* 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
I	* 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
H	* 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
G	* 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	810.63	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	1390.73	1641.66	565.32	0.37
F	* 8754,000	50.00	0.0	0.0	141.00	806.10	808.48	808.48	6.84	1197.40	1262.83	40.03	0.0
	* 8754,000	50.00	0.0	0.0	286.00	806.10	810.62	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	1150.89	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
E	* 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	811.60	811.60	9.68	1185.83	1280.09	103.82	0.35
S	* 9260,000	356.00	0.0	0.0	120.00	822.00	822.79	822.79	0.0	1253.45	1337.69	33.34	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

SECTO	XLCH	ELTRD	ELLC	W	ELMIN	CWSEL	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	59.90	0.26
* 9360.000	50.00	0.0	0.0	317.00	823.80	824.96	824.96	2.26	1231.60	1645.83	72.38	0.11
* 9360.000	50.00	0.0	0.0	507.00	823.80	825.20	825.20	2.98	1217.45	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	1184.34	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	SECTO= 250.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 280.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 599.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 699.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 699.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3290.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3290.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3290.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3290.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3290.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3290.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3290.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3290.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3290.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3290.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3290.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3290.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3390.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3390.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3390.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3390.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3390.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECTO= 3390.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECTO= 3390.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECTO= 3390.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL

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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= 4465.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 4465.000 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

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CAUTION	SECNO= 4519.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4569.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4569.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4569.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4569.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4569.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4569.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4569.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4569.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4569.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4569.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4569.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4569.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6398.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6398.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6398.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6398.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6398.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6398.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6398.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6398.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6598.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6598.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6598.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6598.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6598.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6598.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6598.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6598.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6598.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6598.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6598.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6598.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6919.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6919.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6919.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6919.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6919.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6969.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6969.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6969.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6969.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6969.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6969.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6969.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6969.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6969.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 7019.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 7019.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 7019.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 7019.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 7019.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 7019.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 7019.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 7019.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 7019.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 7019.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 7019.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 7019.000	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		
		10F	20	0.20
280.000	0.	-0.9	-0.1	0.3
593.000	319.	-0.8	-0.3	0.4
649.000	369.	-0.9	-0.3	0.5
693.000	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.	-1.6	-0.9	0.6
1160.000	880.	-1.8	-0.3	0.6
1210.000	930.	-1.8	-0.3	0.6
1670.000	1590.	-1.6	-0.9	0.6
1970.000	1690.	-1.8	-0.9	0.6
2020.000	1740.	-1.8	-0.9	0.6
2061.000	1781.	-1.6	-0.9	0.6
2111.000	1831.	-1.8	-0.9	0.6
2211.000	1931.	-1.6	-0.9	0.6
3290.000	3010.	-1.4	-0.9	0.6
3340.000	3060.	-1.5	-0.4	0.7
3390.000	3110.	-1.9	-0.9	0.6
3430.000	3210.	-3.0	-0.9	-0.6
3540.000	3260.	-2.6	-1.0	-0.3
3590.000	3310.	-1.8	-0.8	0.3
4330.000	4075.	-2.1	-1.0	0.8
4409.000	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
4515.000	4239.	-2.1	-1.0	0.8
4569.000	4289.	-2.2	-1.0	0.7
6390.000	6118.	-1.1	-0.2	0.7
6548.000	6268.	-1.2	-0.4	0.6
6595.000	6318.	-0.8	-0.2	0.5
6632.000	6372.	-0.5	-0.2	0.4
6702.000	6422.	-0.8	-0.2	0.4
6950.000	6572.	-0.9	-0.3	0.5
6910.000	6639.	-0.9	-0.5	1.0
6960.000	6689.	-2.8	-1.1	1.0
7019.000	6739.	-1.1	-0.3	0.5
7061.000	6761.	-0.9	-0.2	0.5
7111.000	6831.	-0.8	-0.2	0.3
7161.000	6881.	-1.7	-1.1	1.0
8109.000	7329.	-0.8	-0.0	0.3
8259.000	7379.	-0.8	-0.1	0.2
8309.000	7429.	-0.7	-0.1	0.1
8371.000	7491.	-0.4	-0.1	0.3
8421.000	7541.	-0.3	-0.1	0.2
8521.000	8241.	-0.3	-0.1	0.2
8550.000	8375.	-0.4	-0.1	0.3
8709.000	8429.	-3.5	-0.2	0.4
8769.000	8474.	-2.8	-0.2	0.4

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8904.000	8524.	-0.2	-0.2	0.4
9260.000	8980.	-0.5	-0.1	0.2
9310.000	9030.	-0.4	-0.1	0.3
9350.000	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 = 0.15 WITH 64.0% 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	708.6	-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	721.6	-1.6	-1.1	010	80.
11	1100.	720.0	721.8	-1.8	-1.1	010	73.
12	1200.	720.0	721.6	-1.6	-1.2	010	67.
13	1300.	720.0	721.8	-1.8	-1.2	010	62.
14	1400.	720.0	721.6	-1.6	-1.3	015	93.
15	1500.	720.0	721.8	-1.8	-1.3	015	93.
	1590.					SEC. 1870,000	
16	1600.	720.0	721.6	-1.6	-1.3	015	81.
	1590.					SEC. 1970,000	
17	1700.	720.0	721.6	-1.6	-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	-1.7	-1.4	015	67.
22	2200.	720.6	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.	720.8	722.6	-1.8	-1.5	015	72.

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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.

SEC. 3290,000

SEC. 3340,000

31	3100.	722.5	724.1	-1.6	-1.5	015	77.
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SEC. 3390,000

32	3200.	722.6	725.0	-2.4	-1.5	015	75.
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SEC. 3490,000

SEC. 3540,000

33	3300.	723.6	725.8	-2.3	-1.5	015	73.
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SEC. 3590,000

34	3400.	724.3	726.2	-1.9	-1.6	015	74.
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35	3500.	724.9	726.7	-1.9	-1.6	015	74.
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36	3600.	725.4	727.3	-1.9	-1.6	015	75.
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37	3700.	726.0	727.9	-2.0	-1.6	015	76.
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38	3800.	726.5	728.5	-2.0	-1.6	015	76.
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39	3900.	727.1	729.1	-2.0	-1.6	015	77.
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40	4000.	727.6	729.7	-2.1	-1.6	015	78.
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SEC. 4355,000

41	4100.	728.6	730.7	-2.1	-1.6	015	76.
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SEC. 4405,000

SEC. 4455,000

SEC. 4469,000

42	4200.	731.9	735.4	-3.5	-1.7	015	76.
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SEC. 4519,000

SEC. 4569,000

43	4300.	736.0	738.2	-2.2	-1.7	015	77.
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44	4400.	736.7	738.9	-2.1	-1.7	015	77.
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45	4500.	738.1	740.2	-2.1	-1.7	015	76.
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46	4600.	739.5	741.5	-2.0	-1.7	015	76.
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47	4700.	740.8	742.8	-2.0	-1.7	015	77.
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48	4800.	742.2	744.1	-1.9	-1.7	015	77.
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49	4900.	743.6	745.4	-1.8	-1.7	015	78.
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50	5000.	744.9	746.7	-1.8	-1.7	015	78.
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51	5100.	746.3	748.0	-1.7	-1.7	015	78.
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52	5200.	747.7	749.3	-1.7	-1.7	015	79.
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53	5300.	749.0	750.7	-1.6	-1.7	015	79.
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54	5400.	750.4	752.0	-1.6	-1.7	015	80.
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55	5500.	751.8	753.3	-1.5	-1.7	015	80.
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56	5600.	753.1	754.6	-1.4	-1.7	015	80.
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57	5700.	754.5	755.9	-1.4	-1.7	015	81.
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58	5800.	755.9	757.3	-1.3	-1.7	015	83.
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59	5900.	757.2	758.5	-1.3	-1.7	015	83.
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60	6000.	758.6	759.9	-1.2	-1.7	015	83.
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61	6100.	760.0	761.3	-1.2	-1.7	015	82.
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SEC. 6398,000

62	6200.	761.1	762.3	-1.1	-1.7	015	81.
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SEC. 6548,000

63	6300.	762.5	763.5	-1.1	-1.7	015	78.
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SEC. 6598,000

SEC. 6652,000

64	6400.	766.0	766.8	-0.8	-1.6	015	80.
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SEC. 6702,000

65	6500.	766.0	766.7	-0.7	-1.6	015	77.
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SEC. 6852,000

66	6600.	766.0	766.9	-0.9	-1.6	015	74.
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SEC. 6919,000

SEC. 6969,000

67	6700.	766.3	768.5	-2.6	-1.6	015	75.
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SEC. 7019,000

SEC. 7061,000

68	6800.	772.2	773.0	-0.9	-1.6	015	72.
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SEC. 7111,000

69	6900.	772.2	773.0	-0.9	-1.6	015	72.
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SEC. 7111,000

70	7000.	772.2	773.0	-0.9	-1.6	015	72.
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SEC. 7111,000

71	7100.	772.2	773.0	-0.9	-1.6	015	72.
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SEC. 7111,000

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Line	SEC.	Value	Change	SEC.	Value	Change	SEC.	Value
69	8881.	772.0	773.3	-1.3	-1.6	015	72.	7161.000
70	8900.	772.7	773.9	-1.2	-1.6	015	73.	
71	7100.	773.7	774.9	-1.2	-1.6	015	73.	
72	7250.	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	777.9	-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.	
79	7900.	782.2	783.0	-0.8	-1.5	015	66.	8109.000
80	8000.	787.3	787.7	-0.4	-1.5	015	65.	8259.000
81	8100.	792.9	793.3	-0.4	-1.5	015	62.	8309.000
82	8200.	795.3	795.6	-0.3	-1.5	015	61.	8371.000
83	8300.	800.3	800.6	-0.3	-1.5	015	60.	8421.000
84	8400.	805.6	806.7	-1.1	-1.5	015	61.	8521.000
85	8500.	808.7	811.0	-2.3	-1.5	015	60.	8655.000
86	8600.	809.8	811.2	-1.4	-1.5	015	60.	8704.000
87	8700.	812.1	812.6	-0.5	-1.5	015	60.	8754.000
88	8800.	815.2	815.8	-0.6	-1.5	015	58.	
89	8900.	818.3	818.9	-0.6	-1.4	015	58.	
90	9000.	821.7	822.1	-0.4	-1.4	015	56.	9260.000
91	9100.	824.8	825.2	-0.4	-1.4	015	57.	9310.000
92	9200.	825.0	826.7	-0.7	-1.3	015	57.	9360.000
	9200.							9450.000
								9560.000

THIS SECTION OF THE SHEET DIVIDED BY THE NO. TO MEET FIA REQUIREMENTS
 INPUT THE NUMBER OF THE NUMBER OF REACHES AND THEN INPUT THE END
 OF THE LINE, FOR EXAMPLE 002 02 02
 ADDITIONALLY, YOU WILL SUPPRESS ANY UNNECESSARY THE OUTPUT.

REC'D RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

IDENTIFICATION - 50,51,52

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