

PROFILE

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CHINA GROVE, N.C.
 ROWAN CO.
 STREAM 10-3CG
 SWEARINGTON BRANCH

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PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND		JOB PARAMETERS		TIME USED INCLUDES		MISC. JOB VALUES	
	DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT	
ENTERED	3/07/77	13:36:59.7	TIME 2:00.0	0:14.2	CPU	0:03.7	LINES IN 99
EXECUTED	3/07/77	13:37:58.8	PAGES 100	19	UR EXCPS 1213	0:04.9	LINES OUT 1046
RETURNED	3/07/77	14:12:38.9	CARDS 0	0	DISK EXCPS 282	0:05.6	MEMORY TIME 7085 K-SEC
JOB ENTERED ON MONDAY			PLDTS 0	0	TAPE READ-WRITE	0:00.0	PRIORITY 01
					TAPE FILE SEARCH	0:00.0	APPROX. COST \$4.52

J O B C O N S O L E L O G

N 13.37.54 JOB 3 -- RMAK3 -- JCL INTERPRETED, TUCC CPU #2
 N 13.37.58 JOB 3 -- RMAK3 -- BEGINNING EXEC - INIT 3 - CLASS
 L*13.37.58 JOB 3 +++++S=06A,T=02. J=RMAK3 13:37:58 KEZIAH

 HEC2 VERSION UPDATED AUG 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 MODIFICATIONS 52,53,54,55,56,57,58,59

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 10-3CG
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	736.600	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	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	241.000	458.000	576.000	871.000	576.000	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	350.000	12.000	1120.000	1141.000	350.000	350.000	350.000	0.0	0.0	0.0
GR	754.100	1000.000	747.000	1067.000	742.000	1100.000	737.700	1126.000	731.700	1131.000
GR	731.600	1134.000	731.700	1136.000	737.700	1141.000	734.500	1200.000	737.000	1300.000
GR	749.400	1400.000	754.100	1490.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	184.000	358.000	456.000	702.000	456.000	0.0	0.0	0.0	0.0
X1	1000.000	12.000	1110.000	1123.000	650.000	650.000	650.000	0.0	-0.400	0.0
GR	760.200	1000.000	742.700	1100.000	742.300	1110.000	740.200	1112.000	740.100	1114.000
GR	740.300	1116.000	743.500	1123.000	743.800	1139.000	746.000	1143.000	747.200	1200.000
GR	759.200	1300.000	760.200	1345.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1000.000	12.000	1110.000	1123.000	650.000	650.000	650.000	0.0	-0.400	0.0
GR	760.200	1000.000	742.700	1100.000	742.300	1110.000	740.200	1112.000	740.100	1114.000
GR	740.300	1116.000	743.500	1123.000	743.800	1139.000	746.000	1143.000	747.200	1200.000
GR	759.200	1300.000	760.200	1345.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1100.000	24.000	1159.000	1177.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	764.800	1000.000	759.500	1062.000	743.800	1152.000	743.800	1159.000	742.800	1159.200
GR	742.000	1160.000	741.700	1161.000	742.000	1162.000	742.800	1162.800	743.800	1163.000
GR	741.700	1173.000	740.800	1173.200	739.900	1174.000	739.700	1175.000	739.900	1176.000
GR	740.800	1176.800	741.700	1177.000	743.100	1184.000	743.400	1200.000	745.600	1204.000
GR	746.800	1261.000	758.800	1361.000	759.800	1406.000	764.800	1465.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	10.000	25.130	0.0	0.0	0.0

X1	1162.000	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	745.700	751.600	0.0	0.0	0.0	0.0	0.0
BT	20.000	1000.000	764.800	0.0	1100.000	756.200	0.0	1159.000	751.600	743.800
BT	1159.200	751.600	742.800	1160.000	751.600	742.000	1161.000	751.600	741.700	1162.000
BT	751.600	742.000	1162.800	751.600	742.800	1163.000	751.600	743.800	1173.000	751.600
BT	741.700	1173.200	751.600	740.800	1174.000	751.600	739.900	1175.000	751.600	739.700
BT	1176.000	751.600	739.900	1176.800	751.600	740.800	1177.000	<u>751.600</u>	<u>741.700</u>	1200.000
BT	751.600	0.0	1300.000	756.300	0.0	1400.000	762.300	0.0	1455.000	764.800
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1212.000	12.000	1100.000	1123.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	760.200	1000.000	742.700	1100.000	742.300	1110.000	740.200	1112.000	740.100	1114.000
GR	740.300	1116.000	743.500	1123.000	743.800	1139.000	746.000	1143.000	747.200	1200.000
GR	759.200	1300.000	760.200	1345.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1262.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
BT	5.000	145.000	288.000	370.000	581.000	370.000	0.0	0.0	0.0	0.0

X1	1300.000	10.000	1160.000	1174.000	38.000	38.000	38.000	0.0	0.0	0.0
GR	767.400	1000.000	754.800	1063.000	750.100	1100.000	748.000	1160.000	744.000	1165.000
GR	743.900	1167.000	744.000	1169.000	748.400	1174.000	751.900	1200.000	763.700	1300.000
QT	5.000	132.000	263.000	339.000	535.000	339.000	0.0	0.0	0.0	0.0

X1	1460.000	12.000	1128.000	1137.000	160.000	160.000	160.000	0.0	-0.600	0.0
GR	770.100	1000.000	765.700	1030.000	756.200	1058.000	752.900	1100.000	752.100	1128.000

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	350.00	350.00	0.0	0.0	731.60	241.00	735.47	26.09	736.00	68.04	0.0	0.0	6.41
A	350.00	350.00	0.0	0.0	731.60	450.00	736.13	47.44	736.66	107.79	0.0	0.0	7.23
A	350.00	350.00	0.0	0.0	731.60	576.00	736.36	57.79	736.90	121.24	0.0	0.0	7.65
A	350.00	350.00	0.0	0.0	731.60	871.00	736.85	87.64	737.37	151.23	0.0	0.0	8.01
B	1000.00	650.00	0.0	0.0	739.70	184.00	742.73	16.43	743.43	24.64	0.0	0.0	6.97
B	1000.00	650.00	0.0	0.0	739.70	358.00	743.64	35.31	744.42	47.07	0.0	0.0	7.85
B	1000.00	650.00	0.0	0.0	739.70	456.00	743.94	44.89	744.81	49.39	0.0	0.0	8.44
B	1000.00	650.00	0.0	0.0	739.70	702.00	744.55	68.15	745.59	53.99	0.0	0.0	9.66
	1050.00	50.00	0.0	0.0	740.10	184.00	743.49	22.26	743.91	27.50	0.0	0.0	5.54
	1050.00	50.00	0.0	0.0	740.10	358.00	744.29	43.17	744.86	48.99	0.0	0.0	6.81
	1050.00	50.00	0.0	0.0	740.10	456.00	744.63	54.90	745.25	51.50	0.0	0.0	7.31
	1050.00	50.00	0.0	0.0	740.10	702.00	745.30	83.69	746.05	56.58	0.0	0.0	8.35
	1100.00	50.00	0.0	0.0	739.70	184.00	743.94	39.81	744.11	49.76	0.0	0.0	3.56
	1100.00	50.00	0.0	0.0	739.70	358.00	744.84	95.44	745.03	56.59	0.0	0.0	3.76
	1100.00	50.00	0.0	0.0	739.70	456.00	745.20	125.12	745.42	59.34	0.0	0.0	3.96
	1100.00	50.00	0.0	0.0	739.70	702.00	745.96	200.92	746.22	81.75	0.0	0.0	4.39
	1162.00	62.00	751.60	745.70	739.70	184.00	744.37	63.32	744.46	53.04	0.0	0.0	2.57
	1162.00	62.00	751.60	745.70	739.70	358.00	749.56	1080.15	749.57	165.11	0.0	0.0	0.64
	1162.00	62.00	751.60	745.70	739.70	456.00	751.98	2195.58	751.99	199.16	0.0	0.0	0.49
	1162.00	62.00	751.60	745.70	739.70	702.00	753.08	2849.39	753.09	214.65	0.0	0.0	0.62
	1212.00	50.00	0.0	0.0	740.10	184.00	744.41	50.78	744.52	49.87	0.0	0.0	2.78
	1212.00	50.00	0.0	0.0	740.10	358.00	749.56	562.64	749.57	158.86	0.0	0.0	1.01
	1212.00	50.00	0.0	0.0	740.10	456.00	751.98	1103.71	751.99	192.90	0.0	0.0	0.79
	1212.00	50.00	0.0	0.0	740.10	702.00	753.08	1417.86	753.09	208.35	0.0	0.0	1.01
	1262.00	50.00	0.0	0.0	740.50	184.00	744.45	38.37	744.62	47.26	0.0	0.0	3.35
C	1262.00	50.00	0.0	0.0	740.50	358.00	749.56	492.91	749.57	153.26	0.0	0.0	1.11
C	1262.00	50.00	0.0	0.0	740.50	456.00	751.98	1000.41	751.99	187.29	0.0	0.0	0.85
C	1262.00	50.00	0.0	0.0	740.50	702.00	753.08	1298.73	753.09	202.74	0.0	0.0	1.08
	1300.00	33.00	0.0	0.0	743.90	145.00	746.61	10.63	747.54	10.22	0.0	0.0	7.74
D	1300.00	38.00	0.0	0.0	743.90	288.00	749.35	55.74	749.67	59.86	0.0	0.0	4.74
D	1300.00	38.00	0.0	0.0	743.90	370.00	751.96	235.79	752.00	115.20	0.0	0.0	2.03
D	1300.00	38.00	0.0	0.0	743.90	581.00	753.06	371.01	753.10	133.17	0.0	0.0	2.25
A	1460.00	160.00	0.0	0.0	747.20	132.00	750.09	8.86	751.14	7.72	0.0	0.0	8.24
A	1460.00	160.00	0.0	0.0	747.20	263.00	751.78	23.08	752.79	29.97	0.0	0.0	8.32
A	1460.00	160.00	0.0	0.0	747.20	339.00	752.48	37.71	753.19	61.33	0.0	0.0	7.47
A	1460.00	160.00	0.0	0.0	747.20	535.00	753.13	60.83	753.82	78.89	0.0	0.0	6.07
	1510.00	50.00	0.0	0.0	747.40	132.00	751.32	16.07	751.76	12.03	0.0	0.0	5.23
	1510.00	50.00	0.0	0.0	747.40	263.00	752.06	42.46	753.18	25.59	0.0	0.0	5.00

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751.78

752.06

1460.00	160.00	0.0	0.0	747.20	339.00	752.48	37.71	753.19	61.33	0.0	0.0	0.52
1460.00	160.00	0.0	0.0	747.20	535.00	753.13	60.83	753.82	78.89	0.0	0.0	7.47
1510.00	50.00	0.0	0.0	747.40	132.00	751.32	16.07	751.76	12.03	0.0	0.0	6.07
1510.00	50.00	0.0	0.0	747.40	263.00	752.86	42.46	753.18	65.59	0.0	0.0	5.33
1510.00	50.00	0.0	0.0	747.40	339.00	753.14	52.91	753.51	73.63	0.0	0.0	5.28
1510.00	50.00	0.0	0.0	747.40	535.00	753.74	79.84	754.14	89.64	0.0	0.0	5.72
												6.49

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	LG	TOPWID	STENCL	STENCR	VCH
1560.00	50.00	0.0	0.0	747.60	132.00	751.41	16.21	752.20	11.76	0.0	0.0	7.44
1560.00	50.00	0.0	0.0	747.60	263.00	753.08	66.52	753.31	66.87	0.0	0.0	4.87
1560.00	50.00	0.0	0.0	747.60	339.00	753.41	89.53	753.63	75.65	0.0	0.0	4.92
1560.00	50.00	0.0	0.0	747.60	535.00	754.04	148.35	754.27	92.47	0.0	0.0	5.13
1601.00	41.00	758.60	752.60	747.60	132.00	751.42	16.34	752.20	11.95	0.0	0.0	7.39
1601.00	41.00	758.60	752.60	747.60	263.00	757.25	872.00	757.26	159.02	0.0	0.0	0.60
1601.00	41.00	758.60	752.60	747.60	339.00	759.18	1689.87	759.18	182.24	0.0	0.0	0.46
1601.00	41.00	758.60	752.60	747.60	535.00	759.90	2067.02	759.90	190.96	0.0	0.0	0.62
1651.00	50.00	0.0	0.0	747.80	132.00	752.11	22.79	752.47	18.07	0.0	0.0	4.89
1651.00	50.00	0.0	0.0	747.80	263.00	757.25	409.51	757.26	156.20	0.0	0.0	1.02
1651.00	50.00	0.0	0.0	747.80	339.00	759.18	785.34	759.18	178.93	0.0	0.0	0.78
1651.00	50.00	0.0	0.0	747.80	535.00	759.90	957.91	759.91	187.43	0.0	0.0	1.06
1701.00	50.00	0.0	0.0	748.00	132.00	752.27	22.17	752.64	16.91	0.0	0.0	4.98
1701.00	50.00	0.0	0.0	748.00	263.00	757.25	377.78	757.26	153.86	0.0	0.0	1.09
1701.00	50.00	0.0	0.0	748.00	339.00	759.18	740.68	759.18	176.58	0.0	0.0	0.82
1701.00	50.00	0.0	0.0	748.00	535.00	759.90	908.46	759.91	185.08	0.0	0.0	1.11

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
350.000	241.000	735.472	0.0	0.0	0.0	68.085	0.0	350.000
350.000	458.000	736.132	0.661	0.0	0.0	107.794	-39.708	350.000
350.000	576.000	736.355	0.223	0.0	0.0	121.237	-53.152	350.000
350.000	871.000	736.854	0.499	0.0	0.0	151.230	-83.145	350.000
1000.000	184.000	742.728	0.0	7.256	0.0	24.637	0.0	650.000
1000.000	358.000	743.635	0.908	7.503	0.0	47.069	-22.431	650.000
1000.000	456.000	743.944	0.308	7.588	0.0	49.305	-24.748	650.000
1000.000	702.000	744.555	0.611	7.701	0.0	53.990	-29.353	650.000

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
350.000	241.000	735.472	0.0	0.0	0.0	68.085	0.0	350.000
350.000	458.000	736.132	0.661	0.0	0.0	107.794	-39.708	350.000
350.000	576.000	736.355	0.223	0.0	0.0	121.237	-53.152	350.000
350.000	871.000	736.854	0.499	0.0	0.0	151.230	-83.145	350.000
1000.000	184.000	742.728	0.0	7.256	0.0	24.637	0.0	650.000
1000.000	358.000	743.635	0.908	7.503	0.0	47.069	-22.431	650.000
1000.000	456.000	743.944	0.308	7.588	0.0	49.385	-24.748	650.000
1000.000	702.000	744.555	0.611	7.701	0.0	53.990	-29.353	650.000
1050.000	184.000	743.486	0.0	0.756	0.0	27.500	0.0	50.000
1050.000	358.000	744.292	0.807	0.657	0.0	48.994	-21.494	50.000
1050.000	456.000	744.626	0.334	0.683	0.0	51.504	-24.004	50.000
1050.000	702.000	745.303	0.677	0.748	0.0	56.585	-29.085	50.000
1100.000	184.000	743.936	0.0	0.451	0.0	49.763	0.0	50.000
1100.000	358.000	744.839	0.903	0.547	0.0	56.585	-6.823	50.000
1100.000	456.000	745.203	0.364	0.577	0.0	59.340	-9.577	50.000
1100.000	702.000	745.962	0.759	0.659	0.0	81.751	-31.989	50.000
1162.000	184.000	744.371	0.0	0.434	0.0	53.042	0.0	62.000
1162.000	358.000	749.561	5.191	4.722	0.0	165.115	-112.072	62.000
1162.000	456.000	751.984	2.423	6.781	0.0	199.159	-146.117	62.000
1162.000	702.000	753.083	1.099	7.121	0.0	214.653	-161.611	62.000
1212.000	184.000	744.408	0.0	0.037	0.0	49.871	0.0	50.000
1212.000	358.000	749.559	5.151	-0.003	0.0	158.861	-108.991	50.000
1212.000	456.000	751.982	2.424	-0.001	0.0	192.900	-143.029	50.000
1212.000	702.000	753.082	1.099	-0.001	0.0	208.347	-158.476	50.000
1262.000	184.000	744.454	0.0	0.046	0.0	47.265	0.0	50.000
1262.000	358.000	749.559	5.105	0.001	0.0	153.262	-105.997	50.000
1262.000	456.000	751.982	2.423	0.0	0.0	187.290	-140.025	50.000
1262.000	702.000	753.082	1.099	0.0	0.0	202.740	-155.475	50.000
1300.000	145.000	746.606	0.0	2.152	0.0	10.220	0.0	38.000
1300.000	288.000	749.354	2.748	-0.206	0.0	59.864	-49.644	38.000
1300.000	370.000	751.962	2.609	-0.020	0.0	115.196	-104.976	38.000
1300.000	581.000	753.062	1.099	-0.020	0.0	133.171	-122.951	38.000
1460.000	132.000	750.088	0.0	3.482	0.0	7.719	0.0	160.000
1460.000	263.000	751.756	1.668	2.402	0.0	29.967	-22.247	160.000
1460.000	339.000	752.476	0.721	0.514	0.0	61.332	-53.613	160.000
1460.000	535.000	753.133	0.657	0.071	0.0	78.885	-71.166	160.000
1510.000	132.000	751.323	0.0	1.235	0.0	12.032	0.0	50.000

1300.000	288.000	749.354	2.748	-0.206	0.0	59.854	-49.644	38.000
1300.000	370.000	751.962	2.609	-0.020	0.0	115.196	-104.976	38.000
1300.000	581.000	753.062	1.099	-0.020	0.0	133.171	-122.951	38.000
1460.000	132.000	750.088	0.0	3.482	0.0	7.719	0.0	160.000
1460.000	263.000	751.756	1.668	2.402	0.0	29.967	-22.247	160.000
1460.000	339.000	752.476	0.721	0.514	0.0	61.332	-53.613	160.000
1460.000	535.000	753.133	0.657	0.071	0.0	78.885	-71.166	160.000
1510.000	132.000	751.323	0.0	1.235	0.0	12.032	0.0	50.000
1510.000	263.000	752.844	1.521	1.088	0.0	65.589	-53.556	50.000
1510.000	339.000	753.141	0.298	0.665	0.0	73.628	-61.596	50.000
1510.000	535.000	753.737	0.596	0.604	0.0	89.642	-77.610	50.000
1560.000	132.000	751.409	0.0	0.086	0.0	11.762	0.0	50.000
1560.000	263.000	753.077	1.669	0.234	0.0	66.872	-55.110	50.000
1560.000	339.000	753.412	0.334	0.271	0.0	75.654	-63.892	50.000
1560.000	535.000	754.045	0.633	0.308	0.0	92.466	-80.704	50.000
1601.000	132.000	751.416	0.0	0.007	0.0	11.955	0.0	41.000
1601.000	263.000	757.255	5.839	4.173	0.0	159.021	-147.066	41.000
1601.000	339.000	759.180	1.926	5.769	0.0	182.241	-170.286	41.000
1601.000	535.000	759.901	0.721	5.856	0.0	190.957	-179.002	41.000
1651.000	132.000	752.108	0.0	0.693	0.0	18.065	0.0	50.000
1651.000	263.000	757.254	5.146	-0.001	0.0	156.201	-138.136	50.000
1651.000	339.000	759.180	1.926	-0.001	0.0	178.929	-160.864	50.000
1651.000	535.000	759.900	0.720	-0.001	0.0	187.426	-169.360	50.000
1701.000	132.000	752.271	0.0	0.163	0.0	16.906	0.0	50.000
1701.000	263.000	757.255	4.984	0.001	0.0	153.857	-136.951	50.000
1701.000	339.000	759.180	1.926	0.001	0.0	176.577	-159.670	50.000
1701.000	535.000	759.901	0.721	0.001	0.0	185.078	-168.171	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	1.086	0.0
2	0.0	0.0	2.648	1.562
3	0.0	0.0	3.174	2.088
4	0.0	0.0	3.665	2.580

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

CHINA GROVE
 ROWAN COUNTY
 SWEARINGTON BRANCH
 10-309

1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

MADE IN U.S.A.

PROGRAMMER=KEZIAN ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND

JOB PARAMETERS

TIME USED INCLUDES

MISC. JOB VALUES

	DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT		
ENTERED	10/06/77	15:05:00.8	TIME	2:00.0	0:15.4	CPU	0:03.5	LINES IN 101
EXECUTED	10/06/77	18:51:11.5	PAGES	100	12	UR EXCPS	0:02.6	LINES OUT 471
RETURNED	10/07/77	13:01:57.0	CARDS	0	0	DISK EXCPS	0:09.2	MEMORY TIME 7700 K-SEC
JOB STARTED ON THURSDAY			PLOTS	0	0	TAPE READ-WRITE	0:00.0	PRIORITY 00
						TAPE FILE SEARCH	0:00.0	APPROX. COST \$3.02

JOB CONSOLE LOG

```
1 15.50.31 JCL 12321 -- R AKEG -- JCL INTERPRETED, TUCG CPU #2
1 15.11.11 DE 12321 -- R AKEG -- REGISTERS EXEC - INPUT I - CLASS
CMT 1.1 12321 *****JOB*****JCL *****
1 15.12.11 12321 R AKEG EXECUTION.
```

//RMAKCS JOB RTI.A25.P03078,KE2100,0=1,T=2,P=100,PTY=0

**PROCLIB=RTI.RG.PROCLIB

// EXEC HEC2

XXS EXEC PGM=HEC2,R=500K	00000010
XXSTEPLIB DD DSN=RTI.A25.P03078.JOB.LIB.LOAD,DISP=SHR	00000020
XXFT03F001 DD SYSOUT=A	00000030
XXFT01F001 DD DDNAME=SYSIN	00000040
XXFT91F001 DD DSN=RTI91,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000050
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000060
XXFT92F001 DD DSN=RTI92,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000070
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000080
XXFT93F001 DD DSN=RTI93,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000090
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000100
XXFT94F001 DD DSN=RTI94,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000110
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000120
XXFT95F001 DD DSN=RTI95,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000130
XX DCB=(BUFNO=1,RECFM=VBS,LRECL=1000,BLKSIZE=6400)	00000140
XXFT96F001 DD DSN=RTI96,UNIT=DISK,DISP=(,DELETE),SPACE=(TRK,(20,20)),	00000150
XX DCB=(BUFNO=1,RECFM=FB,LRECL=133,BLKSIZE=6384)	00000160

//SYSIN DD *

//

IEF2361 ALLOC. FOR RMAKCS G

IEF2371 177 ALLOCATED TO STEPLIB

IEF2371 561 ALLOCATED TO FT03F001

IEF2371 506 ALLOCATED TO FT01F001

IEF2371 150 ALLOCATED TO FT91F001

IEF2371 150 ALLOCATED TO FT92F001

IEF2371 150 ALLOCATED TO FT93F001

IEF2371 150 ALLOCATED TO FT94F001

IEF2371 150 ALLOCATED TO FT95F001

IEF2371 150 ALLOCATED TO FT96F001

IEF1421 - STEP WAS EXECUTED - COND CODE 0000

IEF2851 RTI.A25.P03078.JOB.LIB.LOAD REPT

IEF2851 VOL SER NOS= RTI444.

IEF2851 SYS77279.T185038.RV001.RMAKCS.191 DELETED

IEF2851 VOL SER NOS= SPARE7.

IEF2851 SYS77279.T185038.RV001.RMAKCS.192 DELETED

IEF2851 VOL SER NOS= SPARE7.

IEF2851 SYS77279.T185038.RV001.RMAKCS.193 DELETED

IEF2851 VOL SER NOS= SPARE7.

IEF2851 SYS77279.T185038.RV001.RMAKCS.194 DELETED

IEF2851 VOL SER NOS= SPARE7.

IEF2851 SYS77279.T185038.RV001.RMAKCS.195 DELETED

IEF2851 VOL SER NOS= SPARE7.

IEF2851 SYS77279.T185038.RV001.RMAKCS.196 DELETED

IEF2851 VOL SER NOS= SPARE7.

5 COND=2500 TIME=00:13.5 CPU=0003 P07WR=00:00.0 RC=0000

3 COND=2500 TIME=00:13.5 CPU=0003 P07WR=00:00.0 RC=0000

1 COND=0000 TIME=00:00.0 CPU=0000 P07WR=00:00.0 RC=0000

RMAKCS TIME=00:13.5

MADE IN U.S.A.

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

T1 CHINA GROVE-ROWAN CO. BASIN E STRM IO-3CG
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK DING NINV IDIR STRI METRIC HVINS Q WSEL EQ

-1. 2. 0. 0. 0.01000 0.0 0.0 0. 736.600 0.0

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLOC IBW CHNIM ITRACE

0.0 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

J5 VARIABLE CODES FOR SUMMARY PRINTOUT

36.000 39.000 40.000 41.000 43.000 42.000 1.000 2.000 26.000 53.000

54.000 25.000 50.000 0.0 201.000 0.0 0.0 0.0 0.0 0.0

J5 LPRINT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

QC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	241.000	458.000	576.000	871.000	576.000	0.0	0.0	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	0.0	0.0

X1	355.000	12.000	1126.000	1141.000	350.000	350.000	350.000	0.0	0.0	0.0
GR	754.100	1000.000	747.800	1057.000	742.000	1100.000	737.700	1126.000	731.700	1131.000
SR	731.600	1130.000	721.700	1136.000	737.700	1141.000	734.500	1200.000	737.000	1300.000
GF	743.400	1400.000	754.100	1430.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	164.000	358.000	456.000	702.000	456.000	0.0	0.0	0.0	0.0

X2	1000.000	12.000	1110.000	1123.000	650.000	650.000	650.000	0.0	-0.400	0.0
GR	750.200	1000.000	742.700	1100.000	742.300	1110.000	740.200	1112.000	740.100	1114.000
SR	740.300	1116.000	743.500	1123.000	743.800	1139.000	746.000	1143.000	747.200	1200.000
GF	737.200	1300.000	750.200	1345.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1750.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
GC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1100.000	24.000	1159.000	1177.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	754.500	1000.000	739.500	1062.000	743.800	1152.000	743.800	1159.000	742.800	1159.200
SR	742.000	1160.000	741.700	1161.000	742.000	1162.000	742.800	1162.800	743.800	1163.000
SR	741.700	1173.000	740.800	1173.200	739.900	1174.000	739.700	1175.000	739.900	1176.000
GR	740.800	1176.000	741.700	1177.000	743.100	1184.000	743.400	1200.000	745.600	1204.000
GR	746.800	1261.000	758.500	1361.000	759.800	1406.000	764.800	1465.000	0.0	0.0
SB	0.500	1.500	2.500	0.0	10.000	10.000	25.130	0.0	0.0	0.0

MADE IN U.S.A.

X1	1162.000	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	745.700	751.600	0.0	0.0	0.0	0.0	0.0
BT	20.000	1000.000	764.800	0.0	1100.000	756.200	0.0	1159.000	751.600	743.800
BT	1159.200	751.600	742.800	1160.000	751.600	742.000	1161.000	751.600	741.700	1162.000
BT	751.600	742.000	1162.800	751.600	742.600	1163.000	751.600	743.800	1173.000	751.600
BT	741.700	1173.200	751.800	740.800	1174.000	751.600	739.900	1175.000	751.600	739.700
BT	1176.000	751.600	739.900	1176.600	751.600	740.800	1177.000	751.600	741.700	1200.000
BT	751.600	0.0	1300.000	756.300	0.0	1400.000	762.300	0.0	1465.000	764.800
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1212.000	12.000	1100.000	1123.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	760.200	1000.000	742.700	1100.000	742.300	1110.000	740.200	1112.000	740.100	1114.000
GR	740.300	1116.000	745.500	1123.000	743.800	1139.000	746.000	1143.000	747.200	1200.000
GR	759.200	1300.000	760.200	1345.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1262.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
BT	5.000	145.000	289.000	370.000	581.000	370.000	0.0	0.0	0.0	0.0

X2	1300.000	10.000	1120.000	1174.000	38.000	38.000	38.000	0.0	0.0	0.0
GR	757.400	1000.000	754.800	1063.000	750.100	1100.000	748.000	1160.000	744.000	1165.000
GR	743.900	1167.000	744.000	1169.000	748.400	1174.000	751.900	1200.000	763.700	1300.000
BT	5.000	132.000	263.000	339.000	535.000	339.000	0.0	0.0	0.0	0.0

X1	1460.000	12.000	1128.000	1137.000	150.000	150.000	150.000	0.0	-0.600	0.0
GR	770.100	1000.000	765.700	1030.000	756.200	1058.000	752.900	1100.000	752.100	1128.000
GR	745.100	1129.000	747.600	1131.000	748.000	1133.000	751.500	1137.000	756.000	1200.000
GR	767.300	1300.000	770.100	1370.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1510.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1360.000	19.000	1230.000	1237.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	773.200	1000.000	765.800	1100.000	762.900	1142.000	756.000	1162.000	752.700	1204.000
GR	751.900	1230.000	750.100	1232.500	748.600	1233.000	747.600	1234.000	747.600	1235.000
BT	747.000	1236.000	746.600	1237.000	750.100	1237.500	751.300	1241.000	755.800	1304.000
GR	765.000	1370.000	744.600	1460.000	771.400	1500.000	773.200	1530.000	0.0	0.0
BT	0.500	1.500	2.500	0.0	8.000	0.000	19.630	0.0	0.0	0.0

X1	1360.000	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	732.600	750.600	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	773.200	0.0	1100.000	765.600	0.0	1200.000	759.300	0.0
BT	1237.500	758.500	750.100	1233.000	758.600	751.500	1234.000	758.600	752.400	1235.000
BT	751.500	752.500	1236.000	738.600	752.400	1237.000	758.600	751.500	1237.500	758.600
BT	745.100	1300.000	759.600	0.0	1420.000	764.600	0.0	1500.000	771.400	0.0
BT	1437.000	773.200	0.0	3.0	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	1551.000	12.000	1128.000	1137.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	770.100	1000.000	765.700	1030.000	756.200	1058.000	752.900	1100.000	752.100	1128.000
GR	745.100	1129.000	747.600	1131.000	748.000	1133.000	751.500	1137.000	756.000	1200.000
GR	767.300	1300.000	770.100	1370.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1400.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	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

01 CHINA GROVE-ROWAN CO. BASIN E STRM 10-306

02 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918

03 50 YEAR FLOOD WATER SURFACE PROFILE

01 ICHEGR INQ NINV IDIR SIRT METRIC HVINS 0 WSEL FG

-10. 3. 0. 0. 0.010000 0.0 0.0 0. 737.600 0.0

02 NPROF PLECT PREVS XSECV XSECH FN ALLEDC IBW CRNIM 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// CHINA GROVE-HAWAY CO. BASIN E STRM 10-306
 T2 FLOODPLAIN STUDY AT HAWAY & DAVIDSON COUNTIES H-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ICR	MINV	TDIR	STRM	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.010000	0.0	0.0	0.	739.600	0.0
J2	MPCF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

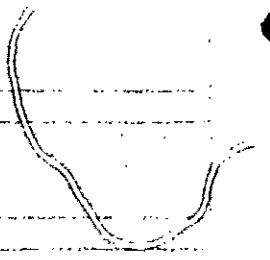
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 EPROG CORR - 01
 MODIFICATION - 50,51,52

T1 CHINA GROVE-HOWARD CO. BASIN E STRM 10-376
 T2 FLOODPLAIN STUDY AT RIVER & DAVIDSON COUNTIES REG JOB NO. 6912
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IRG	FINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FG
	-10.	5.	0.	0.	0.010000	0.0	0.0	0.	740.600	0.0

J2	IPROF	IFLOT	PRFVS	XSECV	XSECH	FM	ALLDC	IBW	CHNIM	ITRACE
	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 OF ERRORS

7214 7316

SEC NO	XCGH	ELTFO	ELLC	G	ELMIN	CNSEL	CRINS	VCH	SSTA	ENOST	AREA	DIFWSP
* 350,000	350.00	0.0	0.0	241.00	731.60	735.47	735.47	6.41	1127.06	1238.88	58.57	0.0
* A 350,000	350.00	0.0	0.0	458.00	731.60	736.13	736.13	7.23	1127.31	1265.30	116.67	0.66
* 350,000	350.00	0.0	0.0	576.00	731.60	736.36	0.0	7.65	1127.12	1274.25	142.28	0.22
* 350,000	350.00	0.0	0.0	871.00	731.60	736.85	0.0	8.01	1126.70	1294.21	210.27	0.50
* 1000,000	650.00	0.0	0.0	184.00	739.70	742.73	742.73	6.97	1097.55	1122.19	31.14	0.0
* B 1000,000	650.00	0.0	0.0	358.00	739.70	743.64	743.64	7.85	1092.35	1139.43	62.69	0.91
* 1000,000	650.00	0.0	0.0	456.00	739.70	743.94	743.94	8.44	1090.60	1139.99	77.52	0.31
* 1000,000	650.00	0.0	0.0	702.00	739.70	744.56	744.56	9.66	1087.11	1141.10	109.12	0.61
1050,000	50.00	0.0	0.0	184.00	740.10	743.49	0.0	5.54	1095.48	1122.98	40.57	0.0
1050,000	50.00	0.0	0.0	358.00	740.10	744.29	0.0	6.81	1090.90	1139.90	74.96	0.81
1050,000	50.00	0.0	0.0	456.00	740.10	744.63	0.0	7.32	1089.00	1140.50	91.68	0.33
1050,000	50.00	0.0	0.0	702.00	740.10	745.30	0.0	8.34	1085.14	1141.73	128.19	0.60
1100,000	50.00	0.0	0.0	184.00	739.70	743.94	0.0	3.57	1151.22	1200.98	56.56	0.0
1100,000	50.00	0.0	0.0	358.00	739.70	744.84	0.0	3.76	1146.03	1202.62	104.92	0.90
1100,000	50.00	0.0	0.0	456.00	739.70	745.20	0.0	3.96	1143.94	1203.28	126.09	0.36
1100,000	50.00	0.0	0.0	702.00	739.70	745.96	0.0	4.39	1139.59	1221.34	176.36	0.76
* 1152,000	62.00	751.00	745.70	184.00	739.70	744.37	0.0	2.57	1148.72	1201.77	79.22	0.0
* 1152,000	62.00	751.50	745.70	358.00	739.70	749.56	0.0	0.64	1118.94	1264.06	666.18	5.19
* 1152,000	62.00	753.50	745.70	456.00	739.70	751.98	0.0	0.49	1105.07	1304.23	1107.02	2.42
* 1152,000	62.00	751.50	745.70	702.00	739.70	753.08	0.0	0.62	1093.75	1313.41	1334.94	1.10
1212,000	50.00	0.0	0.0	184.00	740.10	744.41	0.0	2.78	1090.23	1140.11	80.73	0.0
1212,000	50.00	0.0	0.0	358.00	740.10	749.56	0.0	1.01	1060.80	1219.66	617.89	5.15
1212,000	50.00	0.0	0.0	456.00	740.10	751.98	0.0	0.79	1045.96	1239.86	1044.07	2.42
1212,000	50.00	0.0	0.0	702.00	740.10	753.08	0.0	1.01	1040.67	1249.02	1264.68	1.10
1262,000	50.00	0.0	0.0	184.00	740.50	744.45	0.0	3.35	1092.21	1139.48	63.91	0.0
1262,000	50.00	0.0	0.0	358.00	740.50	749.56	0.0	1.11	1053.08	1216.34	555.67	5.10
1262,000	50.00	0.0	0.0	456.00	740.50	751.98	0.0	0.85	1049.24	1236.53	968.19	2.42
1262,000	50.00	0.0	0.0	702.00	740.50	753.08	0.0	1.08	1042.95	1245.69	1182.63	1.10
CHINA & GORE	TRK. LIMITS	SSTA 13400										
* 1300,000	38.00	0.0	0.0	145.00	743.30	746.61	746.61	7.74	1161.74	1171.96	18.73	0.0
* D 1300,000	38.00	0.0	0.0	286.00	743.90	749.35	0.0	4.74	1121.23	1181.11	83.90	2.75
* 1300,000	38.00	0.0	0.0	370.00	743.90	751.96	0.0	2.03	1085.33	1200.53	326.26	2.61
* 1300,000	38.00	0.0	0.0	581.00	743.90	753.06	0.0	2.25	1076.68	1209.85	462.79	1.10

MADE IN U.S.A.

SECNO	VLEN	ELYSO	ELLC	W	ELFIN	ENSEL	CRWS	VCH	SSYA	ENDST	AREA	DIFWSP
* 1450.000	150.00	0.0	0.0	132.00	747.20	750.09	750.09	8.24	1120.35	1136.07	16.02	0.0
*A 1450.000	150.00	0.0	0.0	263.00	747.20	751.72	751.72	8.46	1120.40	1148.43	35.54	1.63
* 1450.000	150.00	0.0	0.0	339.00	747.20	752.48	752.43	7.47	1097.74	1159.08	70.66	0.76
* 1450.000	150.00	0.0	0.0	535.00	747.20	753.13	753.13	8.07	1089.39	1168.27	116.71	0.66
1510.000	50.00	0.0	0.0	132.00	747.40	751.32	0.0	5.33	1120.09	1140.13	25.08	0.0
1510.000	50.00	0.0	0.0	263.00	747.40	752.46	0.0	5.25	1095.57	1161.46	81.51	1.53
1510.000	50.00	0.0	0.0	339.00	747.40	753.14	0.0	5.72	1091.89	1165.52	101.73	0.29
1510.000	50.00	0.0	0.0	535.00	747.40	753.74	0.0	6.49	1084.26	1173.90	150.61	0.60
1550.000	50.00	0.0	0.0	132.00	747.60	751.41	751.31	7.44	1230.69	1242.45	19.59	0.0
1550.000	50.00	0.0	0.0	263.00	747.60	753.09	0.0	4.83	1198.99	1266.11	82.07	1.68
1550.000	50.00	0.0	0.0	339.00	747.60	753.41	0.0	4.92	1194.93	1270.58	104.85	0.33
1550.000	50.00	0.0	0.0	535.00	747.60	754.05	0.0	5.13	1186.90	1279.41	157.89	0.63
1601.000	50.00	758.60	752.60	132.00	747.60	751.42	0.0	7.39	1230.67	1242.63	19.74	0.0
1601.000	50.00	758.60	752.60	263.00	747.60	757.26	0.0	0.60	1158.33	1317.45	581.84	5.85
1601.000	50.00	758.60	752.60	339.00	747.60	759.18	0.0	0.46	1152.77	1335.01	908.95	1.92
1601.000	50.00	758.60	752.60	535.00	747.60	759.90	0.0	0.62	1150.68	1341.64	1043.75	0.72
1631.000	50.00	0.0	0.0	132.00	747.80	752.11	0.0	4.89	1127.50	1145.59	30.87	0.0
1631.000	50.00	0.0	0.0	263.00	747.80	757.26	0.0	1.01	1054.87	1211.17	551.75	5.15
1631.000	50.00	0.0	0.0	339.00	747.80	759.18	0.0	0.78	1049.22	1228.14	873.30	1.92
1631.000	50.00	0.0	0.0	535.00	747.80	759.90	0.0	1.06	1047.09	1234.52	1005.23	0.72
B 1701.000	50.00	0.0	0.0	132.00	748.00	752.27	0.0	4.97	1128.01	1144.93	30.04	0.0
1701.000	50.00	0.0	0.0	263.00	748.00	757.26	0.0	1.08	1056.45	1209.41	520.96	4.99
1701.000	50.00	0.0	0.0	339.00	748.00	759.18	0.0	0.82	1049.80	1226.58	837.85	1.92
1701.000	50.00	0.0	0.0	535.00	748.00	759.90	0.0	1.11	1047.66	1232.75	968.13	0.72

SUMMARY OF WARNINGS

- CAUTION SECNO= 350.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 350.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1000.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1000.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1007.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1000.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1000.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1000.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1000.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1000.000 PROFILE= 5 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1162.000 PROFILE= 3 HYDRAULIC JUMP O.S.
- CAUTION SECNO= 1162.000 PROFILE= 3 HYDRAULIC JUMP O.S.
- CAUTION SECNO= 1162.000 PROFILE= 4 HYDRAULIC JUMP O.S.
- CAUTION SECNO= 1300.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1300.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1300.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1450.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1450.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1450.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

MADE IN U.S.A.

ER

//*EOF

SKIP

//RMAKCI JOB RTY.A25.P03078,KEZIAH,M=1,T=2,P=100,PTY=0

//*PROCLIS=RTY.*G.PROCLIR

//SYSIN 00 *

T1 CHICA GROVE-ROMAN CO. BASIN A STRN 9-1CG

T2 FLOODPLAIN STUDY AT ROMAN & DAVIDSON COUNTIES M-G JOB NO. 691A

T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	-1				0.036					694.1
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	24	50	0	201					
J5	-10									
NO	0.100	0.100	0.080	0.1	0.3					
DT	5	320	520	770	1155	774				
ET	5	0	0	0	0	-10.4				
CI	625	13	1450	1872	625	625	625			
ER	695.7	1000	694.1	1100	693.5	1200	695.6	1300	695.0	1400

GR 696.8	1450	607.2	1658	689.1	1463	689.2	1468	696.1	1472
GR 696.8	1500	703.4	1600	711.7	1660				
NC 0.055	0.055	0.035	0.1	0.3					
OT 5	226	426	536	807	536				
X1 4125	9	1100	1120	3500	3500	3500			
GR 761.3	1000	745.5	1100	738.9	1102	738.7	1105	738.9	1108
GR 742.6	1120	742.6	1200	754.9	1300	761.3	1330		
X1 4175	0	0	0	50	50	50		+0.5	
NC 0.025	0.025	0.025	0.1	0.3					
X1 4225	19	1787.5	1792.5	50	50	50			
GR 779.2	1000	774.8	1100	770.5	1200	766.7	1300	763.4	1400
GR 761.3	1500	760.7	1600	760.6	1697	746.4	1785	743.5	1787.5
GR 739.6	1787.5	739.6	1792.5	743.5	1792.5	743.5	1805	743.7	1985
GR 765.4	1985	762.2	2015	775.1	2100	779.3	2200		
SB 0.9	1.5	2.5	0	5	0.01	27.5			
X1 4415	0	0	0	190	190	190			
X2		1	745.0	760.5					
BT 15	1000	779.2	0	1100	774.8	0	1200	770.5	0
BT 1300	766.7	0	1400	763.4	0	1500	761.3	0	1600
BT 760.7	0	1700	760.5	0	1787.5	763.1	745.0	1792.5	763.1
BT 765.0	1900	765.0	0	1900	766.7	0	2000	771.0	0
BT 2100	775.1	0	2200	779.3	0				
NC 0.055	0.055	0.035	0.1	0.3					
X1 4465	9	1100	1120	50	50	50		+0.9	
GR 761.3	1000	745.5	1100	738.9	1102	738.7	1105	738.9	1108
GR 742.6	1120	742.6	1200	754.9	1300	761.3	1330		
X1 4515				50	50	50		+0.4	
OT 5	161	312	397	649	397				
X1 4665	9	1161	1150	150	150	150		-7.91	

GR	772.7	1000	762.1	1100	757.6	1161	755.9	1162	755.0	1163
GP	755.9	1164	757.9	1166	761.3	1200	772.7	1240		
X1	4715	0	0	0	50	50	50		+2.45	
NC	0.025	0.025	0.025	0.1	0.3					
X1	4765	16	1131.5	1135.6	50	50	50			
GR	759.6	970	759.0	1070	754.5	1131	754.2	1131.5	753.1	1132
GR	752.7	1133	753.1	1134	754.2	1135.6	754.2	1148	758.2	1170
GP	759.2	1173	758.3	1200	757.7	1300	759.0	1400	762.2	1500
GR	764.9	1585								
SE	0.9	1.5	2.5	0	3	0.01	7.07			
X1	4852	0	0	0	87	87	87			
(2			1	755.7	757.7					
BT	13	970	769.6	0	1000	766.5	0	1100	761.7	0
BT	1131.5	760.4	759.2	1132	760.4	755.3	1133	760.4	755.7	1134
BT	760.4	755.3	1135.6	760.4	754.2	1200	758.3	0	1300	757.7
BT	0	1400	759.0	0	1500	762.2	0	1585	764.9	0
NC	0.055	0.055	0.035	0.1	0.3					
X1	4902	5	1161	1166	50	50	50			
GR	772.7	1000	762.1	1100	757.6	1161	755.9	1162	755.0	1163
GR	755.9	1164	757.9	1166	761.3	1200	772.7	1240		
X1	4952	0	0	0	50	50	50		+3.02	
BT	5	120	255	329	517	329				
X1	5473	10	1346	1351	518	518	518			
GR	789.0	1000	783.6	1100	779.1	1200	773.7	1300	765.1	1346
GR	783.0	1346	765.1	1351	776.5	1370	779.6	1400	789.0	1450

EJ

T1 CHILA GROVE-ROWAN CO. BASIN A STRM 9-106

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES 4-6 JOB NO. 6918

T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 3 0.036 695.1

J2 2 0 -1

T1 CHINA GROVE-ROWAN CO. BASIN A STRM 9-1CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 0 0.036 697.1

J2 3 0 -1

T1 CHINA GROVE-ROWAN CO. BASIN A STRM 9-1CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 5 0.036 698.1

J2 15 0 -1

EJ

ER

//*EDF

SKIP

//RMAK2 JOB RT1.A25.P03078,REZIAN,M=1,T=2,P=100,PRTY=0

//*PROCLIB=RT1.IG.PROCLIB

//SYSTEM

C

C

C 0651 000 SPRG,PROCH.1,ONE EXCEL 769.8 RDFLV 765.4

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 9-2CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 -1 0 0.011 708.1

J2	0		-1	0						
J3	33	39	40	41	43	42	1	2	26	53
J7	54	25	50	0	201					
JF	-10									
NC	0.100	0.100	0.060	0.1	0.3					
NT	5	370	687	652	1255	852				
ET	5	0	0	0	0	-10.4				
X1	1200	35	2000	2020	1200	1200	1200			
GR	712.0	1000	711.8	1100	711.9	1200	711.7	1300	711.4	1400
GR	711.5	1500	711.4	1600	711.3	1700	710.8	1800	710.6	1900
GR	710.6	2000	703.4	2005	703.3	2000	703.5	2010	710.7	2020
GR	710.3	2100	709.1	2200	708.4	2300	708.2	2400	707.6	2500
GR	707.4	2600	707.6	2700	708.2	2800	709.5	2900	708.8	3000
NC	0.055	0.055	0.035	0.1	0.3					
NT	5	220	443	561	360	561				
X1	2200	11	1268	1282	1000	1000	1000			
GR	733.0	1000	722.5	1100	712.9	1200	712.1	1268	711.1	1271
GR	711.0	1272	711.1	1275	710.4	1282	720.1	1300	729.0	1400
GR	733.0	1430								
NT	5	151	301	388	510	388				
X1	2500	12	1735	1748	2300	2300	2300			
GR	777.1	1000	774.0	1100	767.9	1200	762.5	1300	761.2	1335
GR	754.2	1330	754.1	1341	754.2	1343	761.5	1348	762.7	1400
GR	771.9	1505	777.1	1551						
X1	2550	0	0	0	50	50	50		+1.2	
H	0.025	0.025	0.025	0.1	0.3					
X1	2600	17	1465	1469	50	50	50			
GR	774.4	1000	774.5	1126	771.7	1226	767.7	1323	760.2	1426
GR	754.9	1261	757.8	1265	754.4	1465.6	755.5	1467	756.4	1468.4

GR	757.8	1469	759.2	1474	760.4	1526	766.2	1592	766.4	1600
GR	768.7	1700	771.3	1800	774.4	1900	778.4	2000		
SR	0.7	1.3	2.5	0	4	0.01	12.7			
X1	0.550	0	0	0	50	50	50			
X2			1	759.8	765.2					
BT	15	1000	778.4	0	1100	776.0	0	1200	773.8	0
BT	1300	771.4	0	1400	767.4	0	1485	765.4	757.8	1465.6
BT	765.4	759.2	1467	765.4	759.8	1468.4	765.4	759.2	1469	765.4
BT	757.8	1500	765.2	0	1600	766.4	0	1700	768.7	0
BT	1800	771.3	0	1900	774.4	0	2000	778.4	0	
VC	0.055	0.055	0.035	0.1	0.3					
X1	4700	12	1335	1348	50	50	50		-1.1	
GR	777.1	1000	774.0	1100	767.0	1200	762.5	1300	761.2	1335
GR	758.2	1339	750.1	1341	758.2	1343	761.5	1348	762.7	1400
GR	771.4	1500	777.1	1550						
X1	4750	0	0	0	50	50	50		+1.1	

EJ

I1 CHINA GROVE-ROWAN CO. BASIN E STR# 9-206
 I2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 I3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 0.011 709.1

J2 2 -1

O1 CHINA GROVE-ROWAN CO. BASIN E STR# 9-209
 O2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 O3 100 YEAR FLOOD WATER SURFACE PROFILE

O4 -10 0.011 711.1

O5 3 -1

P1 CHINA GROVE-ROWAN CO. BASIN E STR# 9-203
 P2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 = 0.011 712.1

J2 15 -1

EJ

ER

/*EOP

SKIP

//RMAKCS JOB RTI.A25.P03078,KEZIAH,N=1,T=2,P=100,PTY=0

//*PROCLIB=RTI.X6.PROCLIB

//SYSIN DD *

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 10-3CG

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 -1 2 0.010 736.6

J2 0 -1

J3 39 39 40 41 43 42 1 2 26 53

J3 54 25 50 0 201

J5 -13

QC 0.055 0.055 0.035 0.1 0.3

QT 5 241 456 476 571 576

ET 5 0 0 0 0 -10.4

X1 350 12 1126 1141 350 350 350

GR 754.1 1000 747.8 1067 742.0 1100 737.7 1126 731.7 1131

GR 731.4 1130 731.7 1136 737.7 1141 734.5 1200 737.0 1300

GR 749.4 1400 754.1 1490

QT 5 184 356 456 702 456

X1	1000	12	1110	1123	650	650	650		-0.4	
GR	760.2	1000	742.7	1100	742.3	1110	740.2	1112	740.1	1114
GR	740.3	1116	743.5	1123	743.0	1139	746.0	1143	747.2	1200
SR	759.2	1300	760.2	1345						
X1	1950	0	0	0	50	50	50		+0.4	
NC	0.025	0.025	0.025	0.1	0.3					
X1	1100	20	1159	1177	50	50	50			
GR	764.8	1000	759.5	1062	743.8	1152	743.8	1159	742.8	1159.2
GR	742.0	1160	741.7	1161	742.0	1162	742.0	1162.8	743.8	1163
GR	741.7	1173	740.8	1173.2	739.9	1174	739.7	1175	739.9	1176
GR	740.8	1176.8	741.7	1177	743.1	1184	743.4	1200	745.6	1204
GR	746.0	1261	753.8	1361	759.8	1406	764.8	1465		
SR	0.9	1.5	2.5	0	18	10	25.13			
X1	1162	1	0	0	62	62	62			
X2			1	745.7	751.6					
BT	20	1000	764.8	0	1100	756.2	0	1159	751.6	743.8
BT	1159.2	751.6	742.8	1160	751.6	742.0	1161	751.6	741.7	1162
BT	751.6	742.0	1162.8	751.6	742.8	1163	751.6	743.8	1173	751.6
BT	741.7	1173.2	751.6	740.8	1174	751.6	739.9	1175	751.6	739.7
BT	1175	751.6	739.9	1176.8	751.6	740.8	1177	751.6	741.7	1200
BT	751.6	0	1300	756.3	0	1400	762.3	0	1465	764.8
BT	0									
NC	0.055	0.055	0.035	0.1	0.3					
X1	1212	12	1100	1123	50	50	50			
GR	760.2	1000	742.7	1100	742.3	1110	740.2	1112	740.1	1114
GR	740.3	1116	743.5	1123	743.0	1139	746.0	1143	747.2	1200
SR	759.2	1300	760.2	1345						
X1	1262		0	0	50	50	50		+0.4	
BT	5	148	288	370	581	370				

X1	1300	10	1160	1174	30	30	33			
GR	767.4	1000	754.8	1063	750.1	1100	748.0	1160	744.0	1165
GR	743.9	1167	744.0	1169	743.4	1174	751.9	1200	763.7	1300
BT	5	132	263	339	535	339				
X1	1460	12	1128	1137	160	160	160		-0.6	
GR	770.1	1000	765.7	1030	756.2	1058	752.9	1100	752.1	1128
GR	748.1	1129	747.8	1131	748.0	1133	751.5	1137	756.0	1200
GR	767.3	1300	770.1	1370						
X1	1510	0	0	0	50	50	50		+0.2	
VC	0.025	0.025	0.025	0.1	0.3					
X1	1560	10	1230	1237	50	50	50			
GR	773.2	1000	765.8	1100	762.9	1142	756.0	1162	752.7	1204
GR	751.9	1230	750.1	1232.5	748.6	1233	747.9	1234	747.6	1235
GR	747.8	1236	748.6	1237	750.1	1237.5	751.3	1241	755.8	1304
GR	763.0	1370	764.6	1400	771.4	1500	773.2	1530		
SF	0.9	1.5	2.5	0	5	0.01	19.63			
X1	1601	0	0	0	41	41	41			
X2			1	752.6	758.6					
BT	10	1000	773.2	0	1100	765.8	0	1200	759.3	0
BT	1232.5	758.6	750.1	1233	758.6	751.5	1234	758.6	752.4	1235
BT	758.6	758.6	1236	758.6	752.4	1237	758.6	751.5	1237.5	758.6
BT	750.1	1300	752.5	0	1400	764.6	0	1500	771.4	0
BT	1530	773.2	0							
VC	0.055	0.055	0.035	0.1	0.3					
X1	1651	10	1129	1137	50	50	50			
GR	770.1	1000	765.7	1030	756.2	1058	752.9	1100	752.1	1128
GR	748.1	1129	747.8	1131	748.0	1133	751.5	1137	756.0	1200
GR	767.3	1300	770.1	1370						
X1	1701	0	0	0	50	50	50		+0.2	

EJ

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 10-3CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 3 0.010 737.6

J2 2 -1

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 10-3CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 4 0.010 739.6

J2 3 -1

T1 CHINA GROVE-ROWAN CO. BASIN E STRM 10-3CG
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 5 0.010 740.6

J2 15 -1

EJ

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// XEQ STOP

20 6921 1382 531 MK

FIS DAVIDSON-ROWAN COUNTIES

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