

OK

PROFILES

ROWAN COUNTY BASIN D STREAM 2

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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	4/06/77	14:22:04.9	2:00.0	0:16.9	CPU	0:04.7	LINES IN	110
EXECUTED	4/06/77	19:11:20.1	100	27	UR EXCPS	0:05.7	LINES OUT	1242
RETURNED	4/07/77	14:26:00.4	0	0	DISK EXCPS	0:06.5	MEMORY TIME	8465 K-SEC
JOB ENTERED ON WEDNESDAY			0	0	TAPE READ-WRITE	0:00.0	PRIORITY	00
					TAPE FILE SEARCH	0:00.0	APPROX. COST	\$4.22

JOB CONSOLE LOG

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N 14.23.21 JOB 396 --- RMAKD2 --- JCL INTERPRETED, TUCC CPU #1
N 19.11.19 JOB 396 --- RMAKD2 -- BEGINNING EXEC - INIT 6 - CLASS
L*19.11.20 JOB 396 +++++S=068,T=02,J=RMAKD2 19:11:20 KEZIAH
N 19.12.12 JOB 396 END EXECUTION.
  
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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TD	EG	TOPWID	SYENCL	STENCH	VCH	
	700.00	700.00	0.0	0.0	656.80	680.00	663.08	67.71	363.21	483.65	0.0	0.0	4.20
A	700.00	700.00	0.0	0.0	656.80	1260.00	663.58	163.86	663.70	531.30	0.0	0.0	4.47
	700.00	700.00	0.0	0.0	656.80	1540.00	663.76	198.74	663.88	532.10	0.0	0.0	4.62
	700.00	700.00	0.0	0.0	656.80	2200.00	664.15	285.57	664.28	535.83	0.0	0.0	4.84
	3180.00	2480.00	0.0	0.0	665.70	650.00	673.03	122.16	673.17	280.01	0.0	0.0	3.00
B	3180.00	2480.00	0.0	0.0	665.70	1200.00	673.84	218.38	673.97	364.85	0.0	0.0	4.27
	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.00	674.26	385.84	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	2100.00	674.70	373.59	674.83	426.94	0.0	0.0	4.73
	3280.00	100.00	0.0	0.0	667.20	650.00	673.11	50.16	673.95	66.96	0.0	0.0	7.76
	3280.00	100.00	0.0	0.0	667.20	1200.00	674.28	100.85	674.99	251.66	0.0	0.0	8.27
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	256.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	2100.00	675.03	175.88	675.67	335.79	0.0	0.0	9.00
	3300.00	20.00	0.0	0.0	667.90	650.00	673.99	191.41	674.08	108.90	0.0	0.0	3.15
	3300.00	20.00	0.0	0.0	667.90	1200.00	674.95	294.78	675.13	120.36	0.0	0.0	4.46
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.88	675.35	131.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	2100.00	675.42	338.29	675.83	137.77	0.0	0.0	6.99
	3325.00	25.00	677.40	675.80	667.90	650.00	673.99	202.78	674.08	116.86	0.0	0.0	2.97
	3325.00	25.00	677.40	675.80	667.90	1200.00	674.95	302.04	675.13	137.73	0.0	0.0	4.23
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	2100.00	675.42	359.22	675.83	147.87	0.0	0.0	6.59
	3345.00	20.00	0.0	0.0	667.80	650.00	673.26	39.56	674.49	49.54	0.0	0.0	9.17
	3345.00	20.00	0.0	0.0	667.80	1200.00	674.99	109.17	675.58	263.35	0.0	0.0	7.73
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	2100.00	675.61	173.52	676.27	333.65	0.0	0.0	9.10
	3445.00	100.00	0.0	0.0	669.30	650.00	675.62	62.06	676.20	82.43	0.0	0.0	6.63
	3445.00	100.00	0.0	0.0	669.30	1200.00	675.41	102.68	677.09	254.32	0.0	0.0	8.14
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.32	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	2100.00	677.09	169.85	677.78	330.27	0.0	0.0	9.27
	6400.00	2955.00	0.0	0.0	679.70	540.00	687.84	127.38	687.91	411.55	0.0	0.0	2.74
C	6400.00	2955.00	0.0	0.0	679.70	1000.00	688.62	249.76	688.67	467.45	0.0	0.0	2.80
	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.59
	6400.00	2955.00	0.0	0.0	679.70	1800.00	689.47	450.37	689.53	478.78	0.0	0.0	3.02
ETA 6400 LIMIT OF DETAILED STUDY													
D	10000.00	3600.00	0.0	0.0	701.30	435.00	705.48	24.34	706.37	44.56	0.0	0.0	8.04
	10000.00	3600.00	0.0	0.0	701.30	820.00	706.76	61.21	707.43	180.87	0.0	0.0	7.83
	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1480.00	707.47	109.07	708.17	192.45	0.0	0.0	8.57
	10050.00	50.00	0.0	0.0	701.80	435.00	706.87	45.65	707.20	72.53	0.0	0.0	5.20
	10050.00	50.00	0.0	0.0	701.80	820.00	707.75	91.66	708.05	188.77	0.0	0.0	5.56
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1480.00	708.47	153.94	708.84	200.51	0.0	0.0	6.73

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
10100.00	50.00	0.0	0.0	702.30	435.00	707.78	86.01	708.23	181.21	0.0	0.0	6.19
10100.00	50.00	0.0	0.0	702.30	820.00	708.14	137.27	708.58	186.96	0.0	0.0	7.60
10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	9.49
10100.00	50.00	0.0	0.0	702.30	1480.00	708.66	243.99	709.15	195.42	0.0	0.0	8.27
10156.00	56.00	712.60	710.30	702.30	435.00	707.78	86.10	708.13	181.22	0.0	0.0	6.19
10156.00	56.00	712.60	710.30	702.30	820.00	708.14	137.44	708.58	186.98	0.0	0.0	7.60
10156.00	56.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
10156.00	56.00	712.60	710.30	702.30	1480.00	708.66	243.46	709.16	195.39	0.0	0.0	8.28
10206.00	50.00	0.0	0.0	702.30	435.00	708.19	88.10	708.28	187.97	0.0	0.0	3.10
10206.00	50.00	0.0	0.0	702.30	820.00	708.63	122.12	708.60	194.97	0.0	0.0	4.49
10206.00	50.00	0.0	0.0	702.30	1020.00	708.84	140.69	709.04	198.29	0.0	0.0	4.99
10206.00	50.00	0.0	0.0	702.30	1480.00	709.13	168.96	709.43	202.91	0.0	0.0	6.25
10256.00	50.00	0.0	0.0	702.80	435.00	708.29	68.07	708.47	181.45	0.0	0.0	4.06
10256.00	50.00	0.0	0.0	702.80	820.00	708.85	90.45	709.11	190.26	0.0	0.0	5.34
10256.00	50.00	0.0	0.0	702.80	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
10256.00	50.00	0.0	0.0	702.80	1480.00	709.51	157.15	709.86	201.04	0.0	0.0	6.62
13400.00	3144.00	0.0	0.0	728.60	395.00	733.24	35.05	733.73	114.58	0.0	0.0	6.33
13400.00	3144.00	0.0	0.0	728.60	733.00	734.00	74.99	734.34	170.49	0.0	0.0	6.50
13400.00	3144.00	0.0	0.0	728.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
13400.00	3144.00	0.0	0.0	728.60	1332.00	734.84	156.62	735.11	215.58	0.0	0.0	6.18
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
700,000	680,000	663.079	0.0	0.0	0.0	483.854	0.0	700,000				
700,000	1260,000	663.582	0.503	0.0	0.0	531.297	-47.643	700,000				
700,000	1540,000	663.762	0.180	0.0	0.0	532.096	-48.442	700,000				
700,000	2200,000	664.152	0.391	0.0	0.0	533.831	-50.177	700,000				
3180,000	650,000	673.035	0.0	9.956	0.0	280.006	0.0	2480,000				
3180,000	1200,000	673.842	0.807	10.260	0.0	364.854	-34.647	2480,000				
3180,000	1460,000	674.131	0.289	10.369	0.0	385.842	-105.835	2480,000				
3180,000	2100,000	674.698	0.567	10.546	0.0	426.935	-146.929	2480,000				
3280,000	650,000	673.114	0.0	0.079	0.0	66.963	0.0	100,000				
3280,000	1200,000	674.282	1.168	0.440	0.0	251.665	-184.702	100,000				
3280,000	1460,000	674.592	0.311	0.461	0.0	286.406	-219.423	100,000				
3280,000	2100,000	675.032	0.439	0.334	0.0	335.788	-268.825	100,000				
3300,000	650,000	673.992	0.0	0.878	0.0	108.900	0.0	20,000				
3300,000	1200,000	674.950	0.958	0.660	0.0	128.358	-19.458	20,000				
3300,000	1460,000	675.113	0.163	0.521	0.0	131.654	-22.753	20,000				
3300,000	2100,000	675.416	0.303	0.384	0.0	137.768	-28.867	20,000				
3325,000	650,000	673.992	0.0	0.0	0.0	116.856	0.0	25,000				
3325,000	1200,000	674.950	0.958	0.0	0.0	157.729	-20.074	25,000				
3325,000	1460,000	675.113	0.163	0.0	0.0	141.281	-24.425	25,000				
3325,000	2100,000	675.416	0.303	0.0	0.0	147.869	-31.013	25,000				
3345,000	650,000	673.256	0.0	-0.736	0.0	49.536	0.0	20,000				
3345,000	1200,000	674.986	1.731	0.036	0.0	263.354	-213.816	20,000				
3345,000	1460,000	675.180	0.202	0.075	0.0	286.047	-236.509	20,000				
3345,000	2100,000	675.613	0.425	0.198	0.0	333.652	-284.114	20,000				
3445,000	650,000	675.623	0.0	2.368	0.0	82.430	0.0	100,000				

3443,000	1200,000	676,406	0.783	1,419	0.0	254,320	-171,890	100,000
3445,000	1460,000	676,632	0.227	1,444	0.0	279,605	-197,376	100,000
3445,000	2100,000	677,087	0.454	1,474	0.0	330,271	-247,841	100,000
6400,000	540,000	687,841	0.0	12,218	0.0	411,547	0.0	2955,000
6400,000	1000,000	688,615	0.775	12,210	0.0	467,448	-55,901	2955,000
6400,000	1250,000	688,912	0.296	12,279	0.0	474,698	-63,151	2955,000
6400,000	1800,000	689,474	0.563	12,338	0.0	478,781	-67,234	2955,000
10000,000	435,000	705,478	0.0	17,638	0.0	44,563	0.0	3600,000
10000,000	820,000	706,758	1.280	18,143	0.0	180,875	-136,312	3600,000
10000,000	1020,000	707,010	0.252	18,098	0.0	184,946	-140,383	3600,000
10000,000	1480,000	707,475	0.465	18,001	0.0	192,446	-147,883	3600,000
10050,000	435,000	706,870	0.0	1,392	0.0	72,533	0.0	50,000
10050,000	820,000	707,746	0.876	0,928	0.0	188,773	-115,240	50,000
10050,000	1020,000	708,004	0.259	0,994	0.0	192,943	-120,409	50,000
10050,000	1480,000	708,474	0.469	0,999	0.0	200,514	-127,981	50,000
10100,000	435,000	707,779	0.0	0,909	0.0	181,208	0.0	50,000
10100,000	820,000	708,136	0.357	0,391	0.0	186,962	-5,754	50,000
10100,000	1020,000	708,237	0.101	0,233	0.0	188,593	-7,374	50,000
10100,000	1480,000	708,658	0.421	0,184	0.0	195,423	-14,215	50,000
10156,000	435,000	707,780	0.0	0,001	0.0	181,220	0.0	56,000
10156,000	820,000	708,137	0.358	0,001	0.0	186,978	-5,758	56,000
10156,000	1020,000	708,238	0.101	0,001	0.0	188,602	-7,382	56,000
10156,000	1480,000	708,659	0.421	0,001	0.0	195,386	-14,166	56,000
10206,000	435,000	708,189	0.0	0,409	0.0	187,967	0.0	50,000
10206,000	820,000	708,632	0.443	0,494	0.0	194,967	-7,000	50,000
10206,000	1020,000	708,839	0.207	0,601	0.0	198,291	-10,323	50,000
10206,000	1480,000	709,125	0.286	0,466	0.0	202,909	-14,942	50,000
10256,000	435,000	708,293	0.0	0,184	0.0	181,447	0.0	50,000
10256,000	820,000	708,846	0.553	0,214	0.0	190,256	-8,909	50,000
10256,000	1020,000	709,094	0.248	0,255	0.0	194,219	-12,773	50,000
10256,000	1480,000	709,506	0.413	0,381	0.0	201,039	-19,532	50,000
13400,000	395,000	733,243	0.0	24,950	0.0	114,578	0.0	3144,000
13400,000	733,000	733,996	0.753	25,150	0.0	170,490	-55,912	3144,000
13400,000	907,000	734,265	0.269	25,171	0.0	184,814	-70,236	3144,000
13400,000	1332,000	734,838	0.573	25,332	0.0	215,576	-100,998	3144,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	69.587	0.0
2	0.0	0.0	92.466	22,879
3	0.0	0.0	95.478	25,891
4	0.0	0.0	100.666	31,079

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HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58

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 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	663.760	0.0
J2	NPROP	IPLT	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
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1540.000	2200.000	1540.000	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	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	681.000	1000.000	674.900	1100.000	668.800	1200.000	664.700	1292.000	662.800	1287.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1400.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3190.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.300	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	11.000	1000.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1300.000	677.400	0.0	1644.900	677.500	0.0	1645.000	677.500	675.800	1665.800
BT	677.500	675.800	1665.900	677.500	0.0	1800.000	678.800	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	678.200	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

GR	686,300	1000,000	682,600	1100,000	675,200	1300,000	673,700	1400,000	673,800	1500,000
GR	671,600	1506,000	671,200	1510,000	667,600	1515,000	667,600	1519,000	667,200	1523,000
GR	671,900	1526,000	674,000	1600,000	676,200	1700,000	682,900	1800,000	688,600	1900,000

X1	3445,000	0,0	0,0	0,0	100,000	100,000	100,000	0,0	1,500	0,0
NC	0,080	0,080	0,060	0,100	0,300	0,0	0,0	0,0	0,0	0,0
QT	5,000	540,000	1000,000	1250,000	1800,000	1250,000	0,0	0,0	0,0	0,0

X1	6400,000	12,000	1261,000	1278,000	2955,000	2955,000	2955,000	0,0	0,0	0,0
GR	702,800	1000,000	694,400	1100,000	690,100	1159,000	687,600	1173,000	686,800	1261,000
GR	679,800	1267,000	679,700	1271,000	679,900	1275,000	687,000	1278,000	686,600	1500,000
GR	688,700	1640,000	702,800	1663,000	0,0	0,0	0,0	0,0	0,0	0,0
QT	5,000	435,000	820,000	1020,000	1480,000	1020,000	0,0	0,0	0,0	0,0

X1	10000,000	12,000	1337,000	1355,000	3600,000	3600,000	3600,000	0,0	0,500	0,0
GR	723,000	1000,000	718,100	1100,000	712,500	1200,000	708,700	1300,000	706,000	1337,000
GR	702,700	1344,000	701,800	1346,000	702,000	1349,000	704,500	1355,000	707,000	1400,000
GR	707,000	1500,000	723,000	1539,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	10050,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,500	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	10100,000	20,000	1360,000	1368,000	50,000	50,000	50,000	0,0	0,0	0,0
GR	727,300	1000,000	723,500	1018,000	718,600	1118,000	713,000	1218,000	709,200	1318,000
GR	706,500	1355,000	706,300	1360,000	704,800	1360,300	703,700	1361,000	702,800	1362,000
GR	702,300	1364,000	702,800	1366,000	703,700	1367,000	704,300	1367,700	706,300	1368,000
GR	707,500	1418,000	707,500	1518,000	717,900	1543,000	721,400	1600,000	727,300	1679,000
SB	0,900	1,500	2,500	0,0	8,000	0,010	50,300	0,0	0,0	0,0

X1	10156,000	0,0	0,0	0,0	56,000	56,000	56,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	718,300	0,0	0,0	0,0	0,0	0,0	0,0
BT	17,000	1000,000	727,300	0,0	1100,000	721,100	0,0	1200,000	716,700	0,0
BT	1300,000	713,800	0,0	1360,000	712,700	706,300	1360,300	712,700	707,800	1361,000
BT	712,700	708,900	1362,000	712,700	709,800	1364,000	712,700	710,300	1366,000	712,700
BT	709,800	1367,000	712,700	708,900	1367,700	712,700	707,800	1368,000	712,700	706,300
BT	1400,000	712,600	0,0	1500,000	715,200	0,0	1600,000	721,400	0,0	1679,000
BT	727,300	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
NC	0,080	0,080	0,060	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	10206,000	12,000	1337,000	1355,000	50,000	50,000	50,000	0,0	0,500	0,0
GR	723,000	1000,000	718,100	1100,000	712,500	1200,000	708,700	1300,000	706,000	1337,000
GR	702,700	1344,000	701,800	1346,000	702,000	1349,000	704,500	1355,000	707,000	1400,000
GR	707,000	1500,000	723,000	1539,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	10256,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,500	0,0
NC	0,060	0,060	0,040	0,100	0,300	0,0	0,0	0,0	0,0	0,0
QT	5,000	395,000	733,000	907,000	1332,000	907,000	0,0	0,0	0,0	0,0

X1	13400,000	12,000	1206,000	1227,000	3144,000	3144,000	3144,000	0,0	0,0	0,0
GR	751,900	1000,000	745,600	1100,000	735,900	1200,000	755,700	1206,000	729,400	1218,000
GR	728,600	1220,000	728,800	1221,000	734,900	1227,000	751,900	1300,000	733,900	1400,000
GR	737,700	1500,000	751,900	1562,000	0,0	0,0	0,0	0,0	0,0	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.

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 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D. STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	664.760	0.0

J2	NPROF	IELOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 198.22 WSEL= 663.76 ENC Q1= 198.22 WSEL= 664.76 RATIO= 0.0
 NAT Q1= 448. RATIOS LOB,CH,ROB= 0.0069 0.1473 0.8458 WSEL= 664.76

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOG	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 1288.5 1530.1 TYPE= 4 TARGET= 0.558
 700.00 7.96 664.76 0.0 663.76 664.98 0.22 0.0 0.0 662.10
 1540. 10. 535. 995. 4. 98. 428. 0. 0. 663.30
 0.0 2.72 5.49 2.33 0.060 0.060 0.080 0.0 666.80 1288.54
 0.006571 700. 700. 700. 0 0 1 0.0 241.53 1530.07

2800 NAT Q1= 265.43 WSEL= 674.13 ENC Q1= 265.43 WSEL= 675.13 RATIO= 0.0
 NAT Q1= 476. RATIOS LOB,CH,ROB= 0.4270 0.2392 0.3337 WSEL= 675.13

3470 ENCROACHMENT STATIONS= 1442.0 1566.8 TYPE= 4 TARGET= 0.442
 3100.00 9.39 675.09 0.0 674.13 675.28 0.18 10.30 0.00 669.70
 1460. 438. 598. 424. 208. 130. 168. 29. 10. 670.40
 0.21 2.11 4.50 2.53 0.080 0.060 0.080 0.060 665.70 1441.97
 0.002897 2400. 2480. 2480. 3 0 1 0.0 124.80 1566.77

2800 NAT Q1= 127.59 WSEL= 674.59 ENC Q1= 127.59 WSEL= 675.59 RATIO= 0.0
 NAT Q1= 258. RATIOS LOB,CH,ROB= 0.3449 0.3508 0.3043 WSEL= 675.59

3301 HV CHANGED MORE THAN HVINS.

3470 ENCROACHMENT STATIONS= 1489.7 1544.5 TYPE= 4 TARGET= 0.506
 3200.00 7.77 674.97 0.0 674.59 676.15 1.19 0.57 0.30 671.20
 1460. 171. 1034. 255. 40. 104. 52. 30. 11. 671.90
 0.22 4.27 9.95 4.91 0.080 0.060 0.080 0.060 667.20 1489.69
 0.017642 100. 700. 100. 3 0 1 0.0 54.79 1544.48

 MEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.006000	0.0	0.0	0.	661,000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1540.000	2200.000	1540.000	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	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	681.000	1000.000	674.900	1100.000	668.800	1200.000	664.700	1202.000	662.800	1257.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1408.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3180.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.000	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.800	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	11.000	1006.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1600.000	677.400	0.0	1644.900	677.500	0.0	1645.000	677.500	673.600	1665.800
BT	677.500	675.800	1665.800	677.500	0.0	1800.000	678.900	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	346.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.080	0.060	0.000	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1816.24

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 691B
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	346.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.080	0.060	0.080	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1816.24
3180.00	8.14	673.84	0.0	0.0	673.97	0.13	10.27	0.01	669.70
1200.	376.	469.	355.	280.	110.	218.	36.	26.	670.40
0.27	1.34	4.27	1.63	0.080	0.060	0.080	0.060	660.70	1296.15
0.003020	2480.	2480.	2480.	7	0	1	0.0	364.85	1861.01

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3280.00	7.08	674.28	674.28	0.0	674.99	0.71	0.57	0.0	671.20
1200.	147.	768.	265.	86.	93.	100.	37.	26.	671.90
0.27	1.95	8.27	2.64	0.080	0.060	0.080	0.060	667.20	1361.17
0.014158	100.	100.	100.	30	12	1	0.0	251.66	1612.83

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	664.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	YTRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

700.00	6.96	663.76	0.0	664.80	663.88	0.12	0.0	0.0	662.10
1540.	8.	372.	1160.	5.	61.	655.	0.	0.	663.30
0.0	1.49	4.62	1.77	0.080	0.060	0.080	0.0	656.80	1284.47
0.006004	700.	700.	700.	0	0	6	0.0	532.10	1816.56

3180.00	8.43	674.13	0.0	0.0	674.26	0.13	10.38	0.00	669.70
1460.	510.	504.	446.	343.	114.	259.	41.	26.	670.40
0.27	1.49	4.40	1.72	0.080	0.060	0.080	0.060	665.70	1288.33
0.003075	2480.	2480.	2480.	7	0	1	0.0	385.64	1674.17

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	YTRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280.00	7.39	674.59	674.59	0.0	675.22	0.63	0.55	0.0	671.20
1460.	287.	806.	367.	135.	98.	130.	43.	27.	671.90
0.27	2.13	8.23	2.83	0.080	0.060	0.080	0.060	667.20	1340.46
0.013095	100.	100.	100.	30	13	1	0.0	286.49	1626.95

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO, BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	5.	0.	0.	0.006000	0.0	0.0	0.	665.800	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
700.00	7.35	664.15	0.0	665.80	664.28	0.12	0.0	0.0	662.10
2200.	13.	422.	1765.	8.	67.	854.	0.	0.	663.30
0.0	1.70	4.84	2.07	0.080	0.060	0.080	0.0	656.80	1283.44
0.005935	700.	700.	700.	0	0	4	0.0	533.83	1817.27
3180.00	9.00	674.70	0.0	0.0	674.83	0.13	10.55	0.00	669.70
2100.	844.	584.	673.	473.	124.	350.	54.	27.	670.40
0.26	1.78	4.73	1.92	0.080	0.060	0.080	0.060	665.70	1273.01
0.003160	2480.	2480.	2480.	6	0	1	0.0	426.94	1699.94

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3280.00	7.83	675.03	675.03	0.0	675.67	0.64	0.58	0.0	671.20
2100.	564.	944.	592.	216.	105.	178.	56.	28.	671.90
0.27	2.61	9.00	3.32	0.080	0.060	0.080	0.060	667.20	1311.15
0.014256	100.	100.	100.	4	9	1	0.0	335.79	1646.94

CCHV= 0.100 CEHV= 0.300

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
A	700.00	700.00	0.0	0.0	656.60	1540.00	663.76	198.22	663.88	532.08	0.0	0.0	4.63
	700.00	700.00	0.0	0.0	656.80	1540.00	664.76	189.27	664.98	241.53	1288.54	1530.07	5.49
B	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.43	674.26	386.02	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	1460.00	675.09	275.58	675.20	124.80	1441.97	1566.78	4.60
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	286.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.97	109.92	676.15	54.79	1489.69	1544.48	9.95
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.80	675.35	151.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	1460.00	676.15	436.20	676.31	90.27	1626.40	1716.67	4.09
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	1460.00	670.85	34.44	670.35	48.62	0.0	0.0	27.21
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	1460.00	678.96	290.23	679.24	54.48	1489.91	1544.40	4.99
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.32	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	1460.00	679.17	204.29	679.65	49.85	1493.24	1543.09	6.45
C	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.89
	6400.00	2955.00	0.0	0.0	679.70	1250.00	689.54	262.40	689.65	188.44	1221.51	1409.95	3.62
LIMIT OF DETAIL STUDY STA. 6400													
D	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1020.00	706.98	55.47	708.68	30.95	1333.17	1364.12	11.16
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1020.00	709.02	127.15	709.43	51.24	1327.31	1378.55	6.00
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	8.49
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.80	138.57	710.08	41.25	1355.79	1397.04	10.27
	10150.00	55.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
	10150.00	55.00	712.60	710.30	702.30	1020.00	709.24	358.22	710.08	205.18	0.0	0.0	3.73
	10200.00	50.00	0.0	0.0	702.30	1020.00	708.24	140.69	709.04	198.29	0.0	0.0	4.99
	10200.00	50.00	0.0	0.0	702.30	1020.00	709.92	160.49	710.19	62.34	1324.37	1386.70	4.98
	10250.00	50.00	0.0	0.0	702.00	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
	10250.00	50.00	0.0	0.0	702.00	1020.00	710.09	133.22	710.46	53.62	1326.69	1380.32	5.78
E	13400.00	3140.00	0.0	0.0	726.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
	13400.00	3140.00	0.0	0.0	726.60	907.00	735.16	81.35	735.95	79.40	1206.00	1286.43	8.44
SECTION NUMBER DISCHARGE CFS CWSEL CWSEL DIFF EACH CWSEL DIFF EACH SECTION TOPWID T.W. DIFF LENGTH													
A	700.000	1540.000	663.759	0.0	0.0	0.0	532.085	0.0	700.000				
	700.000	1540.000	664.759	1.000	0.0	0.0	241.535	290.550	700.000				
B	3180.000	1460.000	674.134	0.0	10.374	0.0	386.022	0.0	2480.000				
	3180.000	1460.000	675.094	0.960	10.334	0.0	124.800	261.222	2480.000				

MADE IN U.S.A.

3200.000	1460.000	674.592	0.0	0.459	0.0	286.486	0.0	100.000
3280.000	1460.000	674.966	0.373	-0.128	0.0	54.786	231.700	100.000
3300.000	1460.000	675.113	0.0	0.521	0.0	131.654	0.0	20.000
3300.000	1460.000	676.146	1.035	1.183	0.0	90.265	41.388	20.000
3325.000	1460.000	675.113	0.0	0.0	0.0	141.281	0.0	25.000
3325.000	1460.000	670.852	-4.261	-5.296	0.0	48.616	92.665	25.000
3345.000	1460.000	675.188	0.0	0.075	0.0	286.047	0.0	20.000
3345.000	1460.000	678.963	3.775	8.111	0.0	54.482	231.566	20.000
3445.000	1460.000	676.632	0.0	1.444	0.0	279.806	0.0	100.000
3445.000	1460.000	675.170	2.538	0.208	0.0	49.845	229.961	100.000
6400.000	1250.000	688.912	0.0	12.279	0.0	474.698	0.0	2955.000
6400.000	1250.000	689.542	0.630	10.371	0.0	188.444	286.254	2955.000
10000.000	1020.000	707.010	0.0	18.098	0.0	184.946	0.0	3600.000
10000.000	1020.000	706.985	-0.025	17.443	0.0	50.948	153.998	3600.000
10050.000	1020.000	708.004	0.0	0.994	0.0	192.943	0.0	50.000
10050.000	1020.000	709.020	1.016	2.035	0.0	51.237	141.706	50.000
10100.000	1020.000	708.237	0.0	0.233	0.0	188.583	0.0	50.000
10100.000	1020.000	705.856	0.819	-0.164	0.0	41.252	147.330	50.000
10156.000	1020.000	708.238	0.0	0.001	0.0	188.602	0.0	56.000
10156.000	1020.000	709.237	0.999	0.381	0.0	205.180	-16.578	56.000
10205.000	1020.000	708.839	0.0	0.601	0.0	198.291	0.0	50.000
10205.000	1020.000	709.923	1.084	0.686	0.0	62.336	135.954	50.000
10256.000	1020.000	709.094	0.0	0.255	0.0	194.219	0.0	50.000
10256.000	1020.000	710.087	0.993	0.164	0.0	53.621	140.598	50.000
13400.000	907.000	734.265	0.0	25.171	0.0	184.814	0.0	3144.000
13400.000	907.000	735.156	0.891	25.069	0.0	79.396	105.418	3144.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	95.483	0.0
2	4.000	0.549	33.278	-62.205

HEC2 VERSION UPDATED JAN 1975
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58

EJ

MADE IN U.S.A.

54
55
56
57

 HEC2 VERSION UPDATED JAN 1975.
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN CO. BASIN B STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	2.	0.	0.	0.014000	0.0	0.0	0.	694.600	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IGW	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	385.000	740.000	940.000	1390.000	940.000	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	1365.000	11.000	1214.000	1232.000	1365.000	1365.000	1365.000	0.0	0.0	0.0
GR	710.600	1000.000	698.900	1100.000	694.900	1200.000	694.500	1214.000	690.800	1217.000
GR	689.600	1221.000	690.800	1225.000	694.900	1232.000	692.800	1300.000	696.100	1400.000
GR	710.300	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	142.000	297.000	390.000	630.000	390.000	0.0	0.0	0.0	0.0
X1	6855.000	11.000	1230.000	1255.000	5490.000	5490.000	5490.000	0.0	0.0	0.0
GR	761.100	1000.000	757.400	1050.000	752.100	1100.000	747.200	1200.000	748.900	1230.000
GR	740.000	1220.000	740.000	1245.000	740.000	1250.000	747.500	1200.000	748.000	1230.000

25	NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	QT	5.000	385.000	740.000	940.000	1390.000	940.000	0.0	0.0	0.0	0.0
27	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
28	X1	1365.000	11.000	1214.000	1232.000	1365.000	1365.000	1365.000	0.0	0.0	0.0
29	GR	710.800	1000.000	698.900	1100.000	694.900	1200.000	694.500	1214.000	690.800	1217.000
30	GR	689.600	1221.000	690.800	1225.000	694.900	1232.000	692.800	1300.000	696.100	1400.000
31	GR	710.300	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
33	QT	5.000	142.000	297.000	390.000	630.000	390.000	0.0	0.0	0.0	0.0
34											
35	X1	6855.000	11.000	1230.000	1255.000	5490.000	5490.000	5490.000	0.0	0.0	0.0
36	GR	761.100	1000.000	757.400	1050.000	752.100	1100.000	747.200	1200.000	748.900	1230.000
37	GR	744.300	1239.000	741.900	1245.000	744.300	1250.000	747.500	1255.000	749.200	1300.000
38	GR	765.400	1400.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39											
40	X1	7005.000	17.000	1447.000	1453.000	150.000	150.000	150.000	0.0	0.0	0.0
41	GR	762.000	1000.000	757.300	1100.000	752.600	1200.000	750.200	1300.000	749.100	1370.000
42	GR	750.600	1420.000	746.900	1440.000	746.900	1447.000	744.800	1447.900	743.900	1450.000
43	GR	744.800	1452.100	746.900	1453.000	746.900	1460.000	749.400	1470.000	751.800	1570.000
44	GR	762.100	1700.000	766.700	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
45	SB	0.900	1.500	2.500	0.0	6.000	0.010	28.300	0.0	0.0	0.0
46											
47	X1	7053.000	0.0	0.0	0.0	48.000	48.000	48.000	0.0	0.900	0.0
48	X2	0.0	0.0	1.000	750.800	753.500	0.0	0.0	0.0	0.0	0.0
49	BT	15.000	1000.000	768.400	0.0	1100.000	763.800	0.0	1200.000	759.100	0.0
50	BT	1300.000	755.300	0.0	1400.000	753.500	0.0	1446.900	753.500	0.0	1447.000
51	BT	753.500	747.800	1447.900	753.500	750.800	1452.100	753.500	748.700	1453.000	753.500
52	BT	747.800	1453.100	753.500	0.0	1500.000	754.100	0.0	1600.000	757.500	0.0
53	BT	1700.000	762.100	0.0	1800.000	766.700	0.0	0.0	0.0	0.0	0.0
54											
55	X1	7203.000	11.000	1230.000	1255.000	150.000	150.000	150.000	0.0	4.000	0.0
56	GR	761.100	1000.000	757.400	1050.000	752.100	1100.000	747.200	1200.000	748.900	1230.000
57	GR	744.300	1239.000	741.900	1245.000	744.300	1250.000	747.500	1255.000	749.200	1300.000
	GR	765.400	1400.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH
1365.00	1365.00	0.0	0.0	689.60	385.00	694.00	40.89	694.61	91.59	0.0	0.0	6.97
1365.00	1365.00	0.0	0.0	689.60	740.00	694.74	77.26	695.35	148.25	0.0	0.0	7.83
1365.00	1365.00	0.0	0.0	689.60	940.00	695.04	100.05	695.63	171.42	0.0	0.0	8.08
1365.00	1365.00	0.0	0.0	689.60	1390.00	695.46	142.82	696.13	194.80	0.0	0.0	9.05
6855.00	5490.00	0.0	0.0	741.90	142.00	744.86	14.75	745.65	12.96	0.0	0.0	7.14
6855.00	5490.00	0.0	0.0	741.90	297.00	745.91	32.46	747.00	16.66	0.0	0.0	8.38
6855.00	5490.00	0.0	0.0	741.90	390.00	746.41	43.87	747.62	18.43	0.0	0.0	8.81
6855.00	5490.00	0.0	0.0	741.90	630.00	747.81	89.89	748.88	54.04	0.0	0.0	8.39
7005.00	150.00	0.0	0.0	743.90	142.00	747.62	20.63	748.09	26.74	0.0	0.0	6.16
7005.00	150.00	0.0	0.0	743.90	297.00	748.23	38.19	748.94	32.53	0.0	0.0	7.95
7005.00	150.00	0.0	0.0	743.90	390.00	748.52	48.88	749.34	35.22	0.0	0.0	8.60
7005.00	150.00	0.0	0.0	743.90	630.00	749.42	94.86	750.13	75.88	0.0	0.0	8.28
7053.00	48.00	753.50	750.80	744.80	142.00	747.62	8.24	749.97	5.84	0.0	0.0	12.32
7053.00	48.00	753.50	750.80	744.80	297.00	748.38	17.74	751.09	25.48	0.0	0.0	14.51
7053.00	48.00	753.50	750.80	744.80	390.00	752.94	779.41	752.94	349.81	0.0	0.0	0.84
7053.00	48.00	753.50	750.80	744.80	630.00	754.42	1784.97	754.42	411.46	0.0	0.0	0.67
7203.00	150.00	0.0	0.0	745.90	142.00	750.46	45.13	750.62	18.61	0.0	0.0	3.14
7203.00	150.00	0.0	0.0	745.90	297.00	751.60	80.41	751.89	40.57	0.0	0.0	4.29
7203.00	150.00	0.0	0.0	745.90	390.00	752.87	176.29	752.98	125.22	0.0	0.0	3.05
7203.00	150.00	0.0	0.0	745.90	630.00	754.39	482.23	754.44	172.58	0.0	0.0	2.23

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
1365.000	385.000	694.004	0.0	0.0	0.0	91.591	0.0	1365.000
1365.000	740.000	694.744	0.740	0.0	0.0	148.250	56.659	1365.000

7005.00	150.00	0.0	0.0	743.90	390.00	748.52	48.88	749.34	35.22	0.0	0.0	8.60
7005.00	150.00	0.0	0.0	743.90	630.00	749.42	94.86	750.13	75.88	0.0	0.0	8.28
7053.00	48.00	753.50	750.80	744.80	142.00	747.62	8.24	749.97	5.84	0.0	0.0	12.32
7053.00	48.00	753.50	750.80	744.80	297.00	748.38	17.74	751.09	25.48	0.0	0.0	14.51
7053.00	48.00	753.50	750.80	744.80	390.00	752.94	779.41	752.94	349.81	0.0	0.0	0.84
7053.00	48.00	753.50	750.80	744.80	630.00	754.42	1784.97	754.42	411.46	0.0	0.0	0.67
7203.00	150.00	0.0	0.0	745.90	142.00	750.46	45.13	750.62	18.61	0.0	0.0	3.14
7203.00	150.00	0.0	0.0	745.90	297.00	751.60	80.41	751.89	40.57	0.0	0.0	4.29
7203.00	150.00	0.0	0.0	745.90	390.00	752.07	176.29	752.98	125.22	0.0	0.0	3.05
7203.00	150.00	0.0	0.0	745.90	630.00	754.39	482.23	754.44	172.58	0.0	0.0	2.23

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
1365.000	385.000	694.004	0.0	0.0	0.0	91.591	0.0	1365.000
1365.000	740.000	694.744	0.740	0.0	0.0	148.250	-56.658	1365.000
1365.000	940.000	695.040	0.296	0.0	0.0	171.415	-79.824	1365.000
1365.000	1390.000	695.463	0.423	0.0	0.0	194.800	-103.209	1365.000
6855.000	142.000	744.857	0.0	50.853	0.0	12.963	0.0	5490.000
6855.000	297.000	745.907	1.050	51.163	0.0	16.658	-3.695	5490.000
6855.000	390.000	746.410	0.504	51.371	0.0	18.430	-5.467	5490.000
6855.000	630.000	747.805	1.395	52.343	0.0	54.045	-41.082	5490.000
7005.000	142.000	747.616	0.0	2.759	0.0	26.744	0.0	150.000
7005.000	297.000	748.232	0.616	2.325	0.0	32.531	-5.787	150.000
7005.000	390.000	748.518	0.286	2.108	0.0	35.224	-8.480	150.000
7005.000	630.000	749.422	0.904	1.616	0.0	75.878	-49.134	150.000
7053.000	142.000	747.619	0.0	0.003	0.0	5.845	0.0	48.000
7053.000	297.000	748.381	0.763	0.149	0.0	25.477	-19.632	48.000
7053.000	390.000	752.936	4.555	4.418	0.0	349.812	-343.967	48.000
7053.000	630.000	754.420	1.484	4.999	0.0	411.463	-405.618	48.000
7203.000	142.000	750.465	0.0	2.846	0.0	18.607	0.0	150.000
7203.000	297.000	751.603	1.138	3.222	0.0	40.573	-21.965	150.000
7203.000	390.000	752.868	1.265	-0.068	0.0	125.223	-106.615	150.000
7203.000	630.000	754.394	1.526	-0.027	0.0	172.579	-153.971	150.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	6.717	0.0
2	0.0	0.0	10.622	3.905
3	0.0	0.0	13.086	6.369
4	0.0	0.0	17.179	10.462

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN CO, BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FU
	-1.	2.	0.	0.	0.006000	0.0	0.0	0.	661.800	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1540.000	2200.000	1540.000	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	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	681.000	1000.000	674.900	1100.000	668.800	1200.000	664.700	1282.000	662.800	1287.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1400.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3180.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	692.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	669.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.800	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	1.000	1000.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1600.000	677.400	0.0	1644.900	677.500	0.0	1645.600	677.500	675.800	1665.800
BT	677.500	675.800	1665.900	677.500	0.0	1800.000	678.800	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	678.200	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIUSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENUST

700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	846.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.000	0.060	0.080	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1316.24

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN 0 STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F9
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	662.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	2,000	0.0	-1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
700.00	6.78	663.58	0.0	662.80	663.70	0.11	0.0	0.0	662.10
1260.	6.	346.	908.	4.	78.	563.	0.	0.	663.30
0.0	1.37	4.47	1.61	0.080	0.060	0.080	0.0	656.80	1284.94
0.005913	700.	700.	700.	0	0	5	0.0	531.30	1816.24
3180.00	8.14	673.84	0.0	0.0	673.97	0.13	10.27	0.01	669.70
1200.	376.	469.	355.	280.	110.	218.	36.	26.	670.40
0.27	1.34	4.27	1.63	0.080	0.060	0.080	0.060	665.70	1296.15
0.003020	2400.	2400.	2480.	7	0	1	0.0	364.85	1661.01

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
5280.00	7.00	674.28	674.28	0.0	674.99	0.71	0.57	0.0	671.20
1200.	167.	768.	265.	86.	93.	100.	37.	26.	671.90
0.27	1.95	8.27	2.64	0.060	0.060	0.080	0.060	667.20	1361.17
0.014158	100.	100.	100.	30	12	1	0.0	251.66	1612.83

 HEC2 VERSION UPDATED JAN 1975
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 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	664.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV=	0.100	CEHV=	0.300						
SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

700.00	6.96	663.76	0.0	664.80	663.88	0.12	0.0	0.0	662.10
1540.	8.	372.	1160.	5.	81.	655.	0.	0.	663.30
0.0	1.49	4.62	1.77	0.080	0.060	0.080	0.0	656.80	1284.47
0.006004	700.	700.	700.	0	0	6	0.0	532.10	1816.56
3180.00	8.43	674.13	0.0	0.0	674.26	0.13	10.38	0.00	669.70
1460.	510.	504.	446.	343.	114.	259.	41.	26.	670.40
0.27	1.49	4.40	1.72	0.080	0.060	0.080	0.060	665.70	1288.53
0.003035	2480.	2480.	2480.	7	0	1	0.0	585.84	1674.17

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3280.00	7.39	674.59	574.59	0.0	675.22	0.63	0.55	0.0	671.20
1460.	287.	806.	367.	135.	98.	130.	43.	27.	671.90
0.27	2.13	8.23	2.83	0.080	0.060	0.080	0.060	667.20	1340.46
0.013095	100.	100.	100.	30	13	1	0.0	286.49	1626.95

 HEC2 VERSION UPDATED JAN 1975
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T1 ROWAN CO. BASIN 0 STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 5. 0. 0. 0.006000 0.0 0.0 0. 665.800 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC IBW CHN1M ITRACE
 15.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

700.00	7.35	664.15	0.0	665.80	664.28	0.12	0.0	0.0	662.10
2200.	13.	422.	1765.	8.	87.	854.	0.	0.	663.30
0.0	1.70	4.84	2.07	0.080	0.060	0.080	0.0	656.80	1283.44
0.005935	700.	700.	700.	0	0	4	0.0	533.83	1817.27

3180.00	9.00	674.70	0.0	0.0	674.83	0.13	10.55	0.00	669.70
2100.	844.	584.	673.	473.	124.	350.	54.	27.	670.40
0.26	1.78	4.73	1.92	0.080	0.060	0.080	0.060	665.70	1273.01
0.003160	2480.	2480.	2480.	6	0	1	0.0	426.94	1699.94

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280.00	7.83	675.03	675.03	0.0	675.67	0.64	0.58	0.0	671.20
2100.	564.	944.	592.	216.	105.	178.	56.	28.	671.00
0.27	2.61	9.00	3.32	0.080	0.060	0.080	0.060	667.20	1311.15
0.014256	100.	100.	100.	4	4	1	0.0	335.79	1646.94

CCHV= 0.100 CEHV= 0.300

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH	
	700.00	700.00	0.0	0.0	656.80	680.00	663.08	87.71	663.21	463.65	0.0	0.0	4.20
A	700.00	700.00	0.0	0.0	656.80	1260.00	663.58	163.86	663.70	531.30	0.0	0.0	4.47
	700.00	700.00	0.0	0.0	656.80	1540.00	663.76	198.74	663.88	532.10	0.0	0.0	4.62
	700.00	700.00	0.0	0.0	656.80	2200.00	664.15	285.57	664.28	533.83	0.0	0.0	4.84
B	3180.00	2480.00	0.0	0.0	665.70	650.00	673.03	122.16	673.17	280.01	0.0	0.0	3.80
	3180.00	2480.00	0.0	0.0	665.70	1200.00	673.84	218.38	673.97	364.85	0.0	0.0	4.27
	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.00	674.26	385.84	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	2100.00	674.70	373.59	674.83	426.94	0.0	0.0	4.73
	3280.00	100.00	0.0	0.0	667.20	650.00	673.11	50.16	673.95	66.96	0.0	0.0	7.76
	3280.00	100.00	0.0	0.0	667.20	1200.00	674.28	100.85	674.99	251.66	0.0	0.0	8.27
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	286.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	2100.00	675.03	175.88	675.67	335.79	0.0	0.0	9.00
	3300.00	20.00	0.0	0.0	667.90	650.00	673.99	191.41	674.08	108.90	0.0	0.0	3.15
	3300.00	20.00	0.0	0.0	667.90	1200.00	674.95	284.78	675.13	128.36	0.0	0.0	4.48
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.88	675.35	131.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	2100.00	675.42	338.29	675.83	137.77	0.0	0.0	6.99
	3325.00	25.00	677.40	675.80	667.90	650.00	673.99	202.78	674.08	116.86	0.0	0.0	2.97
	3325.00	25.00	677.40	675.80	667.90	1200.00	674.95	302.04	675.13	137.73	0.0	0.0	4.23
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	2100.00	675.42	359.22	675.83	147.87	0.0	0.0	6.59
	3345.00	20.00	0.0	0.0	667.80	650.00	673.26	39.56	674.49	49.54	0.0	0.0	9.17
	3345.00	20.00	0.0	0.0	667.80	1200.00	674.99	109.17	675.58	263.35	0.0	0.0	7.73
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	2100.00	675.61	173.52	676.27	333.65	0.0	0.0	9.10
	3445.00	100.00	0.0	0.0	669.30	650.00	675.62	62.06	676.20	82.43	0.0	0.0	6.63
	3445.00	100.00	0.0	0.0	669.30	1200.00	676.41	102.68	677.09	254.32	0.0	0.0	8.14
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.52	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	2100.00	677.09	169.85	677.78	330.27	0.0	0.0	9.27
C	6400.00	2955.00	0.0	0.0	679.70	540.00	687.84	127.38	687.91	411.55	0.0	0.0	2.74
	6400.00	2955.00	0.0	0.0	679.70	1000.00	688.62	249.76	688.67	467.45	0.0	0.0	2.80
	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.99
	6400.00	2955.00	0.0	0.0	679.70	1800.00	689.47	450.37	689.53	478.78	0.0	0.0	3.02
SIA 6400 LIMIT OF DETAILED STUDY													
D	10000.00	3600.00	0.0	0.0	701.30	435.00	705.48	24.34	706.37	44.56	0.0	0.0	8.04
	10000.00	3600.00	0.0	0.0	701.30	820.00	706.76	61.21	707.43	180.87	0.0	0.0	7.83
	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1480.00	707.47	109.07	708.17	192.45	0.0	0.0	8.87
	10050.00	50.00	0.0	0.0	701.80	435.00	706.87	45.65	707.20	72.53	0.0	0.0	5.20
	10050.00	50.00	0.0	0.0	701.80	820.00	707.75	91.66	708.05	168.77	0.0	0.0	5.66
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1480.00	708.47	153.94	708.84	200.51	0.0	0.0	6.73

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
10100.00	50.00	0.0	0.0	702.30	435.00	707.78	85.01	708.13	181.21	0.0	0.0	6.19
10100.00	50.00	0.0	0.0	702.30	820.00	708.14	137.27	708.58	186.96	0.0	0.0	7.60
10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	8.49
10100.00	50.00	0.0	0.0	702.30	1480.00	708.66	243.99	709.15	195.42	0.0	0.0	8.27
10156.00	56.00	712.60	710.30	702.30	435.00	707.78	85.10	708.13	181.22	0.0	0.0	6.19
10156.00	56.00	712.60	710.30	702.30	820.00	708.14	137.44	708.58	186.98	0.0	0.0	7.60
10156.00	56.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
10156.00	56.00	712.60	710.30	702.30	1480.00	708.66	243.46	709.16	195.39	0.0	0.0	8.28
10206.00	50.00	0.0	0.0	702.30	435.00	708.19	88.10	708.28	187.97	0.0	0.0	3.10
10206.00	50.00	0.0	0.0	702.30	820.00	708.63	122.12	708.80	194.97	0.0	0.0	4.49
10206.00	50.00	0.0	0.0	702.30	1020.00	708.84	140.69	709.04	198.29	0.0	0.0	4.99
10206.00	50.00	0.0	0.0	702.30	1480.00	709.13	168.96	709.43	202.91	0.0	0.0	6.25
10256.00	50.00	0.0	0.0	702.80	435.00	708.29	83.67	708.47	181.45	0.0	0.0	4.06
10256.00	50.00	0.0	0.0	702.80	820.00	708.85	98.45	709.11	190.26	0.0	0.0	5.34
10256.00	50.00	0.0	0.0	702.80	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
10256.00	50.00	0.0	0.0	702.80	1480.00	709.51	157.16	709.86	201.04	0.0	0.0	6.62
13400.00	3144.00	0.0	0.0	728.60	395.00	733.24	35.05	733.73	114.58	0.0	0.0	6.33
13400.00	3144.00	0.0	0.0	728.60	733.00	734.00	74.99	734.34	170.49	0.0	0.0	6.50
13400.00	3144.00	0.0	0.0	728.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
13400.00	3144.00	0.0	0.0	728.60	1332.00	734.84	156.62	735.11	215.58	0.0	0.0	6.18
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH				
700.000	680.000	663.079	0.0	0.0	0.0	483.654	0.0	700.000				
700.000	1260.000	663.582	0.503	0.0	0.0	531.297	-47.643	700.000				
700.000	1540.000	663.762	0.180	0.0	0.0	532.096	-48.442	700.000				
700.000	2200.000	664.192	0.391	0.0	0.0	533.831	-50.177	700.000				
3180.000	650.000	673.035	0.0	9.956	0.0	280.006	0.0	2480.000				
3180.000	1200.000	673.842	0.807	10.260	0.0	364.854	-84.847	2480.000				
3180.000	1460.000	674.131	0.289	10.369	0.0	385.842	-105.835	2480.000				
3180.000	2100.000	674.698	0.567	10.546	0.0	426.935	-146.929	2480.000				
3280.000	650.000	673.114	0.0	0.079	0.0	66.963	0.0	100.000				
3280.000	1200.000	674.202	1.168	0.440	0.0	251.665	-184.702	100.000				
3280.000	1460.000	674.592	0.311	0.461	0.0	286.406	-219.523	100.000				
3280.000	2100.000	675.032	0.439	0.334	0.0	335.788	-268.825	100.000				
3300.000	650.000	673.992	0.0	0.870	0.0	108.900	0.0	20.000				
3300.000	1200.000	674.950	0.958	0.663	0.0	128.358	-19.458	20.000				
3300.000	1460.000	675.113	0.163	0.521	0.0	151.654	-22.753	20.000				
3300.000	2100.000	675.416	0.303	0.384	0.0	137.768	-28.867	20.000				
3325.000	650.000	673.992	0.0	0.0	0.0	116.856	0.0	25.000				
3325.000	1200.000	674.950	0.958	0.0	0.0	157.729	-20.874	25.000				
3325.000	1460.000	675.113	0.163	0.0	0.0	141.261	-24.425	25.000				
3325.000	2100.000	675.416	0.303	0.0	0.0	147.669	-31.013	25.000				
3345.000	650.000	673.256	0.0	-0.736	0.0	49.538	0.0	20.000				
3345.000	1200.000	674.986	1.731	0.036	0.0	263.354	213.816	20.000				
3345.000	1460.000	675.188	0.202	0.075	0.0	286.047	-236.509	20.000				
3345.000	2100.000	675.613	0.425	0.198	0.0	333.652	-284.114	20.000				
3445.000	650.000	675.623	0.0	2.368	0.0	82.430	0.0	100.000				

	3445,000	1200,000	676,406	0,783	1,419	0,0	254,320	-171,890	100,000	
	3445,000	1460,000	676,632	0,227	1,444	0,0	279,806	-197,376	100,000	
	3445,000	2100,000	677,007	0,454	1,474	0,0	330,271	-247,841	100,000	
	6400,000	540,000	687,841	0,0	12,210	0,0	411,547	0,0	2955,000	
	6400,000	1000,000	680,615	0,775	12,210	0,0	467,448	-55,901	2955,000	
1	6400,000	1250,000	688,912	0,296	12,279	0,0	474,698	-63,151	2955,000	1
2	6400,000	1800,000	689,474	0,563	12,388	0,0	478,781	-67,234	2955,000	2
3										3
4	10000,000	435,000	705,470	0,0	17,638	0,0	44,563	0,0	3600,000	4
5	10000,000	820,000	706,758	1,280	18,143	0,0	180,875	-156,312	3600,000	5
6	10000,000	1020,000	707,010	0,252	18,098	0,0	184,946	-140,383	3600,000	6
7	10000,000	1480,000	707,475	0,455	18,001	0,0	192,446	-147,883	3600,000	7
8										8
9	10050,000	435,000	706,870	0,0	1,392	0,0	72,533	0,0	50,000	9
10	10050,000	820,000	707,746	0,876	0,980	0,0	188,773	-116,240	50,000	10
11	10050,000	1020,000	708,004	0,259	0,994	0,0	192,943	-120,409	50,000	11
12	10050,000	1480,000	706,474	0,469	0,999	0,0	200,514	-127,981	50,000	12
13										13
14	10100,000	435,000	707,779	0,0	0,909	0,0	181,208	0,0	50,000	14
15	10100,000	820,000	708,136	0,357	0,391	0,0	186,962	-5,754	50,000	15
16	10100,000	1020,000	708,237	0,101	0,233	0,0	188,583	-7,374	50,000	16
17	10100,000	1480,000	708,658	0,421	0,184	0,0	195,423	-14,215	50,000	17
18										18
19	10156,000	435,000	707,780	0,0	0,001	0,0	181,220	0,0	56,000	19
20	10156,000	820,000	708,137	0,358	0,001	0,0	186,978	-5,758	56,000	20
21	10156,000	1020,000	708,238	0,101	0,001	0,0	188,602	-7,382	56,000	21
22	10156,000	1480,000	708,659	0,421	0,001	0,0	195,386	-14,166	56,000	22
23										23
24	10206,000	435,000	708,189	0,0	0,409	0,0	187,967	0,0	50,000	24
25	10206,000	820,000	708,632	0,443	0,494	0,0	194,967	-7,000	50,000	25
26	10206,000	1020,000	708,839	0,207	0,601	0,0	198,291	-10,323	50,000	26
27	10206,000	1480,000	709,125	0,286	0,466	0,0	202,909	-14,942	50,000	27
28										28
29	10256,000	435,000	708,293	0,0	0,104	0,0	181,447	0,0	50,000	29
30	10256,000	820,000	708,846	0,553	0,214	0,0	190,256	-8,809	50,000	30
31	10256,000	1020,000	709,094	0,248	0,255	0,0	194,219	-12,773	50,000	31
32	10256,000	1480,000	709,506	0,413	0,301	0,0	201,039	-19,592	50,000	32
33										33
34	13400,000	395,000	733,243	0,0	24,950	0,0	114,578	0,0	3144,000	34
35	13400,000	733,000	733,996	0,753	25,150	0,0	170,490	-55,912	3144,000	35
36	13400,000	907,000	734,265	0,269	25,171	0,0	184,814	-70,236	3144,000	36
37	13400,000	1332,000	734,838	0,573	25,332	0,0	216,576	-100,998	3144,000	37
38										38
39										39

DATA FOR LAST CROSS SECTION

	PROFILL	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIUSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	663.760	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1260.000	1340.000	2200.000	1540.000	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	700.000	17.000	1290.000	1307.000	700.000	700.000	700.000	0.0	0.0	0.0
GR	631.000	1000.000	674.900	1100.000	568.800	1200.000	664.700	1282.000	662.800	1287.000
GR	662.100	1290.000	657.200	1297.000	656.800	1298.000	657.100	1302.000	663.300	1307.000
GR	662.400	1400.000	663.200	1500.000	661.600	1600.000	662.100	1700.000	662.900	1815.000
GR	676.700	1840.000	681.000	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	650.000	1200.000	1460.000	2100.000	1460.000	0.0	0.0	0.0	0.0
X1	3180.000	15.000	1510.000	1526.000	2480.000	2480.000	2480.000	0.0	-1.500	0.0
GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1500.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.900	1800.000	688.600	1900.000
X1	3280.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3300.000	12.000	1645.000	1665.800	20.000	20.000	20.000	0.0	0.0	0.0
GR	692.500	1000.000	685.400	1200.000	680.000	1400.000	677.300	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	679.300	1800.000
GR	691.600	2000.000	692.500	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.800	0.010	124.000	0.0	0.0	0.0
X1	3325.000	12.000	1645.000	1665.800	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	1.000	675.800	677.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	11.000	1000.000	692.300	0.0	1200.000	685.200	0.0	1400.000	679.700	0.0
BT	1600.000	677.400	0.0	1644.900	677.500	0.0	1645.000	677.500	675.800	1665.800
BT	677.500	675.800	1665.900	677.500	0.0	1800.000	678.800	0.0	2000.000	690.600
BT	0.0	2017.000	691.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	692.100	1000.000	684.900	1200.000	679.500	1400.000	677.200	1600.000	671.900	1645.000
GR	671.600	1653.000	668.100	1657.000	667.900	1660.000	668.100	1665.800	678.200	1800.000
GR	689.700	2000.000	690.800	2017.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3345.000	15.000	1510.000	1526.000	20.000	20.000	20.000	0.0	0.600	0.0

GR	686.300	1000.000	682.600	1100.000	675.200	1300.000	673.700	1400.000	673.800	1300.000
GR	671.600	1506.000	671.200	1510.000	667.600	1515.000	667.600	1519.000	667.200	1523.000
GR	671.900	1526.000	674.000	1600.000	676.200	1700.000	682.500	1800.000	688.600	1900.000
X1	3445.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.500	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	540.000	1000.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0
X1	6400.000	12.000	1261.000	1278.000	2955.000	2955.000	2955.000	0.0	0.0	0.0
GR	702.800	1000.000	694.400	1100.000	690.100	1159.000	687.600	1173.000	686.800	1261.000
GR	679.800	1267.000	679.700	1271.000	679.900	1275.000	687.000	1278.000	686.600	1500.000
GR	688.700	1640.000	702.800	1663.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	435.000	820.000	1020.000	1480.000	1020.000	0.0	0.0	0.0	0.0
X1	10000.000	12.000	1337.000	1355.000	3600.000	3600.000	3600.000	0.0	-0.500	0.0
GR	723.000	1000.000	718.100	1100.000	712.500	1200.000	708.700	1300.000	706.000	1337.000
GR	702.700	1344.000	701.800	1346.000	702.000	1349.000	704.500	1355.000	707.000	1400.000
GR	707.000	1500.000	723.000	1539.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	10050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	10100.000	20.000	1360.000	1368.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	727.300	1000.000	723.500	1018.000	718.600	1118.000	713.000	1218.000	709.200	1318.000
GR	706.500	1355.000	706.300	1360.000	704.800	1360.300	703.700	1361.000	702.800	1362.000
GR	702.300	1364.000	702.800	1366.000	703.700	1367.000	704.800	1367.700	706.300	1368.000
GR	707.500	1418.000	707.500	1518.000	717.900	1543.000	721.400	1600.000	727.300	1679.000
SB	0.900	1.500	2.500	0.0	8.000	0.010	50.300	0.0	0.0	0.0
X1	10156.000	0.0	0.0	0.0	56.000	56.000	56.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	710.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	727.300	0.0	1100.000	721.100	0.0	1200.000	716.700	0.0
BT	1300.000	713.800	0.0	1360.000	712.700	706.300	1360.300	712.700	707.800	1361.000
BT	712.700	708.900	1362.000	712.700	709.800	1364.000	712.700	710.300	1366.000	712.700
BT	709.800	1367.000	712.700	708.900	1367.700	712.700	707.800	1368.000	712.700	706.300
BT	1400.000	712.600	0.0	1500.000	715.200	0.0	1600.000	721.400	0.0	1679.000
BT	727.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	10206.000	12.000	1337.000	1355.000	50.000	50.000	50.000	0.0	0.500	0.0
GR	723.000	1000.000	718.100	1100.000	712.500	1200.000	708.700	1300.000	706.000	1337.000
GR	702.700	1344.000	701.800	1346.000	702.000	1349.000	704.500	1355.000	707.000	1400.000
GR	707.000	1500.000	723.000	1539.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	10256.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	395.000	733.000	907.000	1332.000	907.000	0.0	0.0	0.0	0.0
X1	13400.000	12.000	1206.000	1227.000	3144.000	3144.000	3144.000	0.0	0.0	0.0
GR	751.900	1000.000	745.600	1100.000	735.900	1200.000	735.700	1206.000	729.400	1218.000
GR	728.800	1220.000	728.800	1221.000	734.900	1227.000	731.900	1300.000	733.900	1400.000
GR	737.700	1500.000	751.900	1562.000	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN D STREAM 2 UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	664.760	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 198.22 WSEL= 663.76 ENC Q1= 198.22 WSEL= 664.76 RATIO= 0.0
 NAT Q1= 448. RATIOS LOB,CH,ROB= 0.0069 0.1473 0.8458 WSEL= 664.76

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 1288.5 1530.1 TYPE= 4 TARGET= 0.558
 700.00 7.96 664.76 0.0 663.76 664.98 0.22 0.0 0.0 662.10
 1540. 10. 535. 995. 4. 98. 428. 0. 0. 663.30
 0.0 2.72 5.49 2.33 0.080 0.060 0.080 0.0 656.80 1288.54
 0.006571 700. 700. 700. 0 0 1 0.0 241.53 1530.07

2800 NAT Q1= 265.43 WSEL= 674.13 ENC Q1= 265.43 WSEL= 675.13 RATIO= 0.0
 NAT Q1= 476. RATIOS LOB,CH,ROB= 0.4270 0.2392 0.3337 WSEL= 675.13

3470 ENCROACHMENT STATIONS= 1442.0 1566.8 TYPE= 4 TARGET= 0.442
 3180.00 9.39 675.09 0.0 674.13 675.28 0.18 10.30 0.00 669.70
 1460. 438. 598. 424. 208. 130. 168. 29. 10. 670.40
 0.21 2.11 4.60 2.53 0.080 0.060 0.080 0.060 665.70 1441.97
 0.002807 2480. 2480. 2480. 3 0 1 0.0 124.80 1566.77

2800 NAT Q1= 127.59 WSEL= 674.59 ENC Q1= 127.59 WSEL= 675.59 RATIO= 0.0
 NAT Q1= 258. RATIOS LOB,CH,ROB= 0.3449 0.3508 0.3043 WSEL= 675.59

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1489.7 1544.5 TYPE= 4 TARGET= 0.506
 3280.00 7.77 674.97 0.0 674.59 676.15 1.19 0.57 0.30 671.20
 1460. 171. 1034. 255. 40. 104. 52. 30. 11. 671.90
 0.22 4.27 9.95 4.91 0.080 0.060 0.080 0.060 667.20 1489.69
 0.017642 100. 100. 100. 3 0 1 0.0 54.79 1544.48

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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

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	700.00	700.00	0.0	0.0	656.80	1540.00	663.76	198.22	663.88	532.08	0.0	0.0	4.63
	700.00	700.00	0.0	0.0	656.80	1540.00	664.76	189.97	664.98	241.53	1288.54	1530.07	5.49
B	3180.00	2480.00	0.0	0.0	665.70	1460.00	674.13	265.43	674.26	386.02	0.0	0.0	4.40
	3180.00	2480.00	0.0	0.0	665.70	1460.00	675.09	275.58	675.28	124.80	1441.97	1566.78	4.60
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.59	127.59	675.22	286.49	0.0	0.0	8.23
	3280.00	100.00	0.0	0.0	667.20	1460.00	674.97	109.92	676.15	54.79	1489.69	1544.48	9.95
	3300.00	20.00	0.0	0.0	667.90	1460.00	675.11	302.88	675.35	131.65	0.0	0.0	5.23
	3300.00	20.00	0.0	0.0	667.90	1460.00	676.15	436.20	676.31	90.27	1626.40	1716.67	4.09
	3325.00	25.00	677.40	675.80	667.90	1460.00	675.11	321.38	675.35	141.28	0.0	0.0	4.93
	3325.00	25.00	677.40	675.80	667.90	1460.00	670.85	34.44	678.35	48.62	0.0	0.0	27.21
	3345.00	20.00	0.0	0.0	667.80	1460.00	675.19	127.21	675.82	286.05	0.0	0.0	8.26
	3345.00	20.00	0.0	0.0	667.80	1460.00	678.96	290.23	679.24	54.48	1489.91	1544.40	4.99
	3445.00	100.00	0.0	0.0	669.30	1460.00	676.63	122.00	677.32	279.81	0.0	0.0	8.56
	3445.00	100.00	0.0	0.0	669.30	1460.00	679.17	204.29	679.65	49.85	1493.24	1543.09	6.45
C	6400.00	2955.00	0.0	0.0	679.70	1250.00	688.91	311.01	688.96	474.70	0.0	0.0	2.89
	6400.00	2955.00	0.0	0.0	679.70	1250.00	689.54	262.40	689.65	188.44	1221.51	1409.95	3.62
LIMIT OF DETAIL STUDY STA. 6400													
D	10000.00	3600.00	0.0	0.0	701.30	1020.00	707.01	75.65	707.69	184.95	0.0	0.0	8.22
	10000.00	3600.00	0.0	0.0	701.30	1020.00	706.98	55.47	708.68	30.95	1333.17	1364.12	11.16
	10050.00	50.00	0.0	0.0	701.80	1020.00	708.00	111.57	708.32	192.94	0.0	0.0	6.01
	10050.00	50.00	0.0	0.0	701.80	1020.00	709.02	127.15	709.43	51.24	1327.31	1378.55	6.00
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.24	155.08	708.77	188.58	0.0	0.0	8.49
	10100.00	50.00	0.0	0.0	702.30	1020.00	708.86	138.57	710.08	41.25	1355.79	1397.04	10.27
	10156.00	56.00	712.60	710.30	702.30	1020.00	708.24	155.31	708.77	188.60	0.0	0.0	8.48
	10156.00	56.00	712.60	710.30	702.30	1020.00	709.24	398.22	710.08	205.18	0.0	0.0	3.73
	10206.00	50.00	0.0	0.0	702.30	1020.00	708.84	140.69	709.04	198.29	0.0	0.0	4.99
	10206.00	50.00	0.0	0.0	702.30	1020.00	709.92	160.49	710.19	62.34	1324.37	1386.70	4.98
	10256.00	50.00	0.0	0.0	702.80	1020.00	709.09	118.16	709.38	194.22	0.0	0.0	5.73
	10256.00	50.00	0.0	0.0	702.80	1020.00	710.09	133.22	710.46	53.62	1326.69	1380.32	5.78
	13400.00	3144.00	0.0	0.0	728.60	907.00	734.26	97.12	734.58	184.81	0.0	0.0	6.40
	13400.00	3144.00	0.0	0.0	728.60	907.00	735.16	81.35	735.95	79.40	1206.00	1286.43	8.44
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
A	700.000	1540.000	663.759	0.0	0.0	0.0	532.085	0.0	700.000				
	700.000	1540.000	664.759	1.000	0.0	0.0	241.535	290.550	700.000				
B	3180.000	1460.000	674.134	0.0	10.374	0.0	386.022	0.0	2480.000				
	3180.000	1460.000	675.094	0.960	10.334	0.0	124.800	261.222	2480.000				

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3200.000	1460.000	674.592	0.0	0.459	0.0	286.486	0.0	100.000
3280.000	1460.000	674.966	0.373	-0.128	0.0	54.786	231.700	100.000
3300.000	1460.000	675.113	0.0	0.521	0.0	131.654	0.0	20.000
3300.000	1460.000	676.148	1.035	1.183	0.0	90.265	41.388	20.000
3325.000	1460.000	675.113	0.0	0.0	0.0	141.281	0.0	25.000
3325.000	1460.000	670.852	-4.261	-5.296	0.0	48.616	92.665	25.000
3345.000	1460.000	675.188	0.0	0.075	0.0	286.047	0.0	20.000
3345.000	1460.000	678.963	3.775	8.111	0.0	54.482	231.566	20.000
3445.000	1460.000	676.632	0.0	1.444	0.0	279.300	0.0	100.000
3445.000	1460.000	679.170	2.538	0.208	0.0	49.845	229.961	100.000
6400.000	1250.000	688.912	0.0	12.279	0.0	471.698	0.0	2955.000
6400.000	1250.000	689.542	0.630	10.371	0.0	181.444	286.254	2955.000
10000.000	1020.000	707.010	0.0	18.098	0.0	184.946	0.0	3600.000
10000.000	1020.000	706.985	-0.025	17.443	0.0	30.948	153.998	3600.000
10050.000	1020.000	708.004	0.0	0.994	0.0	192.943	0.0	50.000
10050.000	1020.000	709.020	1.016	2.035	0.0	51.237	141.706	50.000
10100.000	1020.000	708.237	0.0	0.233	0.0	188.533	0.0	50.000
10100.000	1020.000	708.856	0.619	-0.164	0.0	41.252	147.330	50.000
10156.000	1020.000	708.238	0.0	0.001	0.0	188.602	0.0	56.000
10156.000	1020.000	709.237	0.999	0.381	0.0	205.180	-16.578	56.000
10206.000	1020.000	708.839	0.0	0.601	0.0	198.291	0.0	50.000
10206.000	1020.000	709.923	1.034	0.686	0.0	62.336	135.954	50.000
10256.000	1020.000	709.094	0.0	0.255	0.0	194.219	0.0	50.000
10256.000	1020.000	710.087	0.993	0.164	0.0	53.621	140.598	50.000
13400.000	907.000	734.265	0.0	25.171	0.0	184.814	0.0	3144.000
13400.000	907.000	735.156	0.891	25.069	0.0	79.396	105.418	3144.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	95.483	0.0
2	4.000	0.549	33.278	-62.205

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