
 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 ROWAN CO. BASIN A STREAM 7 UNNAMED
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.011000	0.0	0.0	0.	688.100	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	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	132.000	280.000	368.000	598.000	368.000	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	300.000	15.000	1600.000	1611.000	300.000	300.000	300.000	0.0	0.0	0.0
GR	694.200	1000.000	692.100	1100.000	688.800	1200.000	687.800	1300.000	687.400	1400.000
GR	687.400	1500.000	686.900	1600.000	683.400	1604.000	683.100	1606.000	683.400	1608.000
GR	686.900	1611.000	688.700	1700.000	691.000	1740.000	698.200	1800.000	702.900	1835.000
QT	5.000	89.000	195.000	261.000	438.000	261.000	0.0	0.0	0.0	0.0
X1	1600.000	11.000	1507.000	1518.000	1300.000	1300.000	1300.000	0.0	-0.300	0.0
GR	719.900	1000.000	713.700	1100.000	713.200	1200.000	712.400	1300.000	713.000	1400.000
GR	714.300	1500.000	714.900	1507.000	710.200	1512.000	713.900	1518.000	719.100	1600.000
GR	731.900	1700.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1650.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1700.000	18.000	1626.000	1630.000	50.000	50.000	50.000	0.0	0.0	0.0

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 GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STEMCL	STENCR	VCH	
A	300.00	300.00	0.0	0.0	683.10	132.00	686.33	12.65	686.95	9.87	0.0	0.0	6.30
	300.00	300.00	0.0	0.0	683.10	280.00	687.68	43.84	687.94	320.98	0.0	0.0	5.05
	300.00	300.00	0.0	0.0	683.10	368.00	687.81	55.29	688.07	357.76	0.0	0.0	5.40
	300.00	300.00	0.0	0.0	683.10	598.00	688.00	76.04	688.31	385.08	0.0	0.0	6.61
B	1600.00	1300.00	0.0	0.0	709.90	89.00	712.63	9.18	712.79	163.09	0.0	0.0	4.36
	1600.00	1300.00	0.0	0.0	709.90	195.00	712.84	16.99	713.01	210.43	0.0	0.0	5.42
	1600.00	1300.00	0.0	0.0	709.90	261.00	712.91	21.14	713.11	227.59	0.0	0.0	5.93
	1600.00	1300.00	0.0	0.0	709.90	438.00	713.07	32.20	713.31	272.58	0.0	0.0	6.76
	1650.00	50.00	0.0	0.0	710.00	89.00	712.97	18.77	713.00	217.70	0.0	0.0	2.26
	1650.00	50.00	0.0	0.0	710.00	195.00	713.24	37.96	713.28	292.36	0.0	0.0	2.59
	1650.00	50.00	0.0	0.0	710.00	261.00	713.37	49.14	713.40	326.04	0.0	0.0	2.75
	1650.00	50.00	0.0	0.0	710.00	438.00	713.60	76.90	713.65	373.18	0.0	0.0	3.08
	1700.00	50.00	0.0	0.0	710.10	89.00	713.02	68.39	713.03	331.56	0.0	0.0	0.89
	1700.00	50.00	0.0	0.0	710.10	195.00	713.30	135.04	713.31	368.22	0.0	0.0	1.03
	1700.00	50.00	0.0	0.0	710.10	261.00	713.42	171.83	713.43	384.61	0.0	0.0	1.10
	1700.00	50.00	0.0	0.0	710.10	438.00	713.67	257.78	713.68	417.16	0.0	0.0	1.27
	1752.00	52.00	711.90	714.10	710.10	89.00	713.05	75.15	713.05	335.90	0.0	0.0	0.82
	1752.00	52.00	711.90	714.10	710.10	195.00	713.34	151.81	713.35	375.94	0.0	0.0	0.93
	1752.00	52.00	711.90	714.10	710.10	261.00	713.48	194.96	713.49	394.04	0.0	0.0	0.98
	1752.00	52.00	711.90	714.10	710.10	438.00	713.76	298.29	713.77	430.59	0.0	0.0	1.11
	1802.00	50.00	0.0	0.0	710.20	89.00	713.01	11.62	713.10	184.98	0.0	0.0	3.51
	1802.00	50.00	0.0	0.0	710.20	195.00	713.33	29.12	713.39	261.09	0.0	0.0	3.30
	1802.00	50.00	0.0	0.0	710.20	261.00	713.47	40.35	713.53	300.03	0.0	0.0	3.28
	1802.00	50.00	0.0	0.0	710.20	438.00	713.76	72.23	713.81	369.80	0.0	0.0	3.26
	1852.00	50.00	0.0	0.0	710.30	89.00	713.25	17.83	713.29	213.93	0.0	0.0	2.36

AKSR 1232

1700.00	50.00	0.0	0.0	710.10	261.00	713.42	171.83	713.43	384.61	0.0	0.0	1.10
1700.00	50.00	0.0	0.0	710.10	438.00	713.67	257.78	713.68	417.16	0.0	0.0	1.27
1752.00	52.00	711.90	714.10	710.10	89.00	713.05	75.15	713.05	335.90	0.0	0.0	0.82
1752.00	52.00	711.90	714.10	710.10	195.00	713.34	151.81	713.35	375.94	0.0	0.0	0.93
1752.00	52.00	711.90	714.10	710.10	261.00	713.48	194.96	713.49	394.04	0.0	0.0	0.98
1752.00	52.00	711.90	714.10	710.10	438.00	713.76	298.29	713.77	430.59	0.0	0.0	1.11
1802.00	50.00	0.0	0.0	710.20	89.00	713.01	11.62	713.10	184.98	0.0	0.0	3.51
1802.00	50.00	0.0	0.0	710.20	195.00	713.33	29.12	713.39	261.09	0.0	0.0	3.30
1802.00	50.00	0.0	0.0	710.20	261.00	713.47	40.35	713.53	300.03	0.0	0.0	3.28
1802.00	50.00	0.0	0.0	710.20	438.00	713.76	72.23	713.81	369.80	0.0	0.0	3.26
1852.00	50.00	0.0	0.0	710.30	89.00	713.25	17.83	713.29	213.93	0.0	0.0	2.36
1852.00	50.00	0.0	0.0	710.30	195.00	713.53	36.81	713.57	288.56	0.0	0.0	2.67
1852.00	50.00	0.0	0.0	710.30	261.00	713.66	48.78	713.70	325.04	0.0	0.0	2.76
1852.00	50.00	0.0	0.0	710.30	438.00	713.93	80.89	713.97	375.97	0.0	0.0	2.94
2955.00	1103.00	0.0	0.0	749.50	65.00	750.85	5.34	751.23	24.21	0.0	0.0	5.57
2955.00	1103.00	0.0	0.0	749.50	146.00	751.42	12.65	751.95	34.35	0.0	0.0	6.97
2955.00	1103.00	0.0	0.0	749.50	197.00	751.69	17.31	752.28	39.03	0.0	0.0	7.57
2955.00	1103.00	0.0	0.0	749.50	339.00	752.25	30.09	752.98	48.65	0.0	0.0	8.85

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
300.000	132.000	686.334	0.0	0.0	0.0	9.871	0.0	300.000
300.000	280.000	687.684	1.349	0.0	0.0	320.981	-311.110	300.000
300.000	368.000	687.814	0.131	0.0	0.0	357.756	-347.885	300.000
300.000	598.000	687.997	0.183	0.0	0.0	385.083	-375.213	300.000
1600.000	89.000	712.634	0.0	26.299	0.0	163.090	0.0	1300.000
1600.000	195.000	712.835	0.202	25.152	0.0	210.435	-47.344	1300.000
1600.000	261.000	712.914	0.079	25.100	0.0	227.588	-64.498	1300.000
1600.000	438.000	713.075	0.161	25.078	0.0	272.578	-109.488	1300.000
1650.000	89.000	712.974	0.0	0.340	0.0	217.701	0.0	50.000
1650.000	195.000	713.245	0.271	0.409	0.0	292.361	-74.660	50.000
1650.000	261.000	713.365	0.121	0.451	0.0	326.040	-108.339	50.000
1650.000	438.000	713.601	0.236	0.526	0.0	373.178	-155.477	50.000
1700.000	89.000	713.022	0.0	0.048	0.0	331.559	0.0	50.000
1700.000	195.000	713.297	0.276	0.052	0.0	368.224	-36.665	50.000
1700.000	261.000	713.421	0.124	0.056	0.0	384.612	-53.052	50.000
1700.000	438.000	713.666	0.245	0.065	0.0	417.159	-85.600	50.000
1752.000	89.000	713.047	0.0	0.025	0.0	335.899	0.0	52.000
1752.000	195.000	713.345	0.298	0.047	0.0	375.936	-40.037	52.000
1752.000	261.000	713.479	0.134	0.058	0.0	394.040	-58.141	52.000
1752.000	438.000	713.756	0.277	0.090	0.0	430.589	-94.690	52.000

1800.000 00.000

GR	645,000	0.000	542,700	513,300	400,000	640,400	655,000	635,100	440,000
GR	290,300	495,000	560,000	635,900	1000,000	636,500	1200,000	630,200	1300,000
GR	375,500	1405,000	630,700	629,800	1422,000	630,500	1405,000	641,300	1245,000
GR	634,200	1500,000	537,700	640,000	1730,000	650,000	1430,000	0.000	0.000
X1	171,900	17,000	1600,000	1620,000	1420,000	1620,000	0.000	0.000	0.000
GR	250,000	0.000	650,000	646,000	50,000	641,000	700,000	670,700	750,000
GR	630,000	230,000	610,100	630,500	670,000	642,000	900,000	670,000	915,000
GR	631,400	520,000	631,900	641,900	970,000	635,100	950,000	630,100	1000,000
GR	550,000	1550,000	1575,000	0.000	0.000	0.000	0.000	0.000	0.000
X1	190,270	15,000	1170,000	1245,000	1635,000	1635,000	0.000	0.000	0.000
GR	540,000	0.000	650,000	642,000	520,000	641,000	1100,000	643,500	1155,000
GR	640,400	1170,000	641,600	641,800	1190,000	635,000	1200,000	633,800	1225,000
GR	545,200	1255,000	641,900	640,000	1370,000	640,000	1250,000	640,000	2200,000
X1	150,000	17,000	1525,000	1573,000	673,000	673,000	0.000	0.000	0.000
GR	640,000	650,000	650,000	649,000	1200,000	643,000	1500,000	643,000	1545,000
GR	640,500	1450,000	640,500	642,700	1610,000	635,000	1512,000	630,500	1625,000
GR	630,000	1430,000	642,500	646,000	1670,000	642,700	1700,000	630,000	2000,000
GR	650,000	2470,000	640,000	640,000	0.000	0.000	0.000	0.000	0.000
GR	2.000	1650,000	1450,000	0.000	0.000	0.000	0.000	0.000	0.000
X1	213,000	15,000	1850,000	1730,000	1400,000	1400,000	0.000	0.000	0.000
GR	640,000	50,000	650,000	645,000	1400,000	644,400	1625,000	650,000	1900,000
GR	645,700	1650,000	641,000	630,000	1471,000	630,500	1700,000	642,200	1710,000
GR	646,700	1730,000	643,400	641,400	1620,000	650,000	1855,000	640,000	2200,000
X1	213,300	0.000	0.000	30,000	30,000	30,000	0.000	0.000	0.000
X1	213,550	0.000	0.000	25,000	25,000	25,000	0.000	0.000	0.000
X1	213,800	0.000	0.000	25,000	25,000	25,000	0.000	0.000	0.000
X1	10,000	0.000	0.000	0.000	0.000	0.000	649,400	0.000	0.000
X1	214,200	0.000	0.000	40,000	40,000	40,000	0.000	0.000	0.000
X1	2.000	651,000	652,000	0.000	0.000	0.000	0.000	0.000	0.000
X1	214,450	20,000	1450,000	1650,000	25,000	25,000	0.000	0.000	0.000
GR	640,000	70,000	650,000	653,000	140,000	649,700	1300,000	645,000	1330,000
GR	640,500	1350,000	640,500	640,000	1400,000	640,400	1450,000	642,000	1425,000
GR	641,500	1495,000	640,000	630,600	1545,000	635,500	1540,000	636,000	1570,000
GR	636,500	1575,000	645,000	640,200	1645,000	650,000	2400,000	640,000	2525,000
X1	214,700	0.000	0.000	25,000	25,000	25,000	0.000	0.000	0.000
X1	215,000	0.000	0.000	30,000	30,000	30,000	0.000	0.000	0.000
X1	220,000	0.000	0.000	500,000	500,000	500,000	1.000	0.000	0.000
X1	227,000	16,000	925,000	1000,000	700,000	700,000	0.000	0.000	0.000
GR	640,000	50,000	650,000	646,000	610,000	645,200	600,000	620,000	600,000
GR	650,400	620,500	640,500	640,000	950,000	635,500	955,000	635,500	970,000
GR	650,500	940,000	650,000	646,200	1100,000	646,000	2600,000	650,000	3200,000
GR	640,000	335,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	239,000	12,000	1210,000	1275,000	1200,000	1200,000	0.000	0.000	0.000
GR	640,000	30,000	650,000	647,000	1100,000	640,100	1200,000	600,000	1210,000
GR	637,500	1220,000	637,100	652,900	1275,000	650,000	1300,000	646,200	1400,000
GR	640,000	1500,000	640,000	640,000	0.000	0.000	0.000	0.000	0.000
X1	247,000	0.000	0.000	600,000	600,000	600,000	1.000	1.000	0.000
X1	250,000	15,000	640,000	610,000	300,000	300,000	0.000	0.000	0.000
GR	670,000	70,000	640,000	644,200	300,000	642,000	645,000	657,000	400,000

Account	Balance	Debit	Credit	Balance	Debit	Credit	Balance	Debit	Credit	Balance
X1	369,700	0.000	0.000	369,700	0.000	0.000	369,700	0.000	0.000	369,700
X5	2,000	670,720	675,220	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	369,950	0.000	0.000	369,950	0.000	0.000	369,950	0.000	0.000	369,950
X1	370,200	0.000	0.000	370,200	0.000	0.000	370,200	0.000	0.000	370,200
X1	370,500	15,000	1218,000	1250,000	0.000	0.000	1250,000	0.000	0.000	1250,000
GR	020,000	0.000	670,000	300,000	30,000	1100,000	1200,000	0.000	0.000	1200,000
GR	052,100	0.000	052,100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	040,000	1280,000	040,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	363,000	24,000	1450,000	1360,000	30,000	1100,000	1200,000	0.000	0.000	1200,000
GR	080,000	0.000	070,000	340,000	0.000	0.000	340,000	0.000	0.000	340,000
GR	060,900	1028,000	060,900	1028,000	0.000	0.000	1028,000	0.000	0.000	1028,000
GR	052,800	1070,000	052,800	1070,000	0.000	0.000	1070,000	0.000	0.000	1070,000
GR	045,000	1017,000	045,000	1017,000	0.000	0.000	1017,000	0.000	0.000	1017,000
GR	042,300	1070,000	042,300	1070,000	0.000	0.000	1070,000	0.000	0.000	1070,000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	390,000	10,000	232,000	243,000	0.000	0.000	243,000	0.000	0.000	243,000
GR	043,000	70,000	043,000	100,000	0.000	0.000	100,000	0.000	0.000	100,000
GR	042,500	221,000	042,500	221,000	0.000	0.000	221,000	0.000	0.000	221,000
GR	042,100	201,000	042,100	201,000	0.000	0.000	201,000	0.000	0.000	201,000
GT	2,000	500,000	070,000	1525,000	0.000	0.000	1525,000	0.000	0.000	1525,000
X1	000,000	14600,000	14600,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	040,000	24,000	1000,000	1100,000	0.000	0.000	1100,000	0.000	0.000	1100,000
GR	045,300	30,000	070,000	150,000	0.000	0.000	150,000	0.000	0.000	150,000
GR	055,500	1005,000	045,500	1070,000	0.000	0.000	1070,000	0.000	0.000	1070,000
GR	041,800	1105,000	041,800	1105,000	0.000	0.000	1105,000	0.000	0.000	1105,000
GR	055,000	1152,000	045,000	1200,000	0.000	0.000	1200,000	0.000	0.000	1200,000
GR	055,000	1200,000	045,000	1300,000	0.000	0.000	1300,000	0.000	0.000	1300,000
X1	020,000	10,000	020,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	020,000	0.000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000
GR	040,000	700,000	040,000	700,000	0.000	0.000	700,000	0.000	0.000	700,000
GR	045,700	000,000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000
X1	020,000	10,000	020,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	020,000	0.000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000
GR	040,000	700,000	040,000	700,000	0.000	0.000	700,000	0.000	0.000	700,000
GR	045,700	000,000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000
X1	020,000	10,000	020,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	020,000	0.000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000
GR	040,000	700,000	040,000	700,000	0.000	0.000	700,000	0.000	0.000	700,000
GR	045,700	000,000	070,000	070,000	0.000	0.000	070,000	0.000	0.000	070,000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 14 FLOOR FLOORWAY

SECTION CHANNEL WITH EL OF MAX EL OF MIN CHSEID RECORD (CRS)

CRSEL TO EG TOP-ID STENCL STEPCR VLN

125.06	0.00	720.00	775.00	424.80	18900.00	482.40	8484.15	682.82	683.75	1045.80	366.32	1055.47	4.10	7.25
125.56	59.00	720.00	775.00	425.30	19900.00	482.53	4009.19	682.93	976.56	0.00	0.00	1022.00	7.88	4.82
129.06	59.00	720.00	775.00	425.80	19900.00	482.88	7691.34	683.07	926.12	0.00	0.00	997.93	7.59	5.89
130.56	30.00	720.00	775.00	424.20	19900.00	682.58	3255.83	683.17	866.59	0.00	0.00	956.04	9.27	8.78
130.56	30.00	720.00	775.00	424.20	19900.00	682.58	3775.81	684.00	516.08	0.00	0.00	956.04	9.27	8.78
130.41	25.00	720.00	775.00	424.50	19900.00	482.40	3037.35	683.27	843.27	0.00	0.00	933.20	9.82	9.09
130.24	49.00	720.00	800.00	427.80	19900.00	484.49	3514.20	685.47	684.01	0.00	0.00	887.78	9.28	8.45
131.53	20.00	400.00	450.00	427.00	19900.00	485.22	5688.86	685.52	523.22	0.00	0.00	695.93	6.30	6.18
131.53	20.00	400.00	450.00	427.10	19900.00	485.25	5028.11	685.55	521.88	0.00	0.00	495.31	6.75	6.35
131.75	28.00	400.00	450.00	427.10	19900.00	485.25	5891.61	686.47	372.17	0.00	0.00	495.31	6.75	6.35
132.88	31.00	400.00	450.00	427.30	19900.00	685.26	5297.63	685.59	518.27	0.00	0.00	489.92	6.89	6.35
137.00	490.00	450.00	450.00	427.40	19900.00	685.91	5032.83	684.19	528.56	0.00	0.00	499.99	6.11	4.02
141.76	479.00	1985.00	1562.00	427.50	19900.00	484.30	1751.28	684.32	1980.00	0.00	0.00	1788.59	1.97	1.97
148.77	498.00	1288.00	1258.00	428.00	19900.00	484.81	1783.70	484.08	1886.39	0.00	0.00	1846.98	2.95	3.12
157.72	895.00	1495.00	1445.00	429.30	19900.00	484.69	12314.95	684.72	1798.98	0.00	0.00	1614.85	2.42	2.79
173.92	1420.00	900.00	970.00	431.00	19900.00	487.33	8267.24	487.46	1019.48	0.00	0.00	1801.62	4.13	5.50
190.27	1445.00	1170.00	1259.00	433.80	19900.00	487.20	8100.78	683.28	1502.97	0.00	0.00	1528.38	3.52	3.49
199.00	873.00	1565.00	1670.00	434.50	19900.00	489.83	4589.03	680.02	1883.83	0.00	0.00	2385.74	4.01	3.69
213.00	1400.00	1400.00	1400.00	434.50	19900.00	491.17	8640.65	681.51	1802.47	0.00	0.00	1730.00	4.78	4.48

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	TO	FC	TOPPIN	STENCIL	STENCE	VPH
213.50	30.00	1440.00	1730.00	630.50	18500.00	451.41	4025.50	451.55	1605.09	0.00	0.00	4.73
213.30	30.00	1440.00	1730.00	630.50	18500.00	457.12	5102.30	652.27	1004.21	685.78	1730.00	4.44
213.55	25.00	1440.00	1730.00	630.50	18500.00	451.05	4091.96	451.56	1607.36	0.00	0.00	4.46
213.55	25.00	1440.00	1730.00	630.50	18500.00	657.15	5191.94	452.31	1007.27	482.73	1730.00	4.41
213.40	25.00	1440.00	1730.00	630.50	18500.00	451.09	5037.30	451.42	1609.57	0.00	0.00	4.44
213.40	25.00	1440.00	1730.00	630.50	18500.00	652.19	5200.80	452.32	1000.21	479.79	1730.00	4.57
214.20	40.00	1440.00	1730.00	630.50	18500.00	451.90	5733.99	452.01	1616.44	0.00	0.00	4.20
214.20	40.00	1440.00	1730.00	630.50	18500.00	457.90	4501.24	653.01	1000.42	535.58	1730.00	3.00
214.45	25.00	1450.00	1620.00	430.00	18500.00	451.45	4200.11	452.03	1906.43	0.00	0.00	4.55
214.45	25.00	1450.00	1620.00	430.00	18500.00	657.64	6704.31	453.03	703.08	1352.20	2175.35	4.01
214.70	25.00	1450.00	1620.00	430.00	18500.00	451.47	4239.16	452.05	1647.34	0.00	0.00	4.53
214.70	25.00	1450.00	1620.00	430.00	18500.00	452.44	6779.17	453.05	700.92	1380.97	2175.88	4.39
215.00	30.00	1450.00	1620.00	430.00	18500.00	451.90	4282.33	452.06	1877.13	0.00	0.00	4.50
215.00	30.00	1450.00	1620.00	430.00	18500.00	457.40	6817.97	453.07	700.44	1379.47	2176.13	4.37
220.00	500.00	1450.00	1620.00	430.00	18500.00	452.34	4020.17	452.53	1616.81	0.00	0.00	4.43
220.00	500.00	1450.00	1620.00	430.00	18500.00	453.26	4271.24	453.06	703.59	1380.53	2172.12	4.45
227.00	700.00	925.00	1000.00	635.50	18500.00	452.41	11971.23	452.43	3006.80	0.00	0.00	2.11
227.00	700.00	925.00	1000.00	635.50	18500.00	453.70	12450.75	453.73	2111.27	457.39	2158.64	2.15
239.00	1200.00	1210.00	1275.00	637.10	18500.00	453.23	5077.64	453.36	1770.76	0.00	0.00	4.30
239.00	1200.00	1210.00	1275.00	637.10	18500.00	454.08	5774.30	454.23	1041.22	435.97	4516.25	4.03
247.00	800.00	1210.00	1275.00	438.70	18500.00	454.20	4040.77	454.38	1717.46	0.00	0.00	5.48
247.00	800.00	1210.00	1275.00	438.70	18500.00	454.01	4725.42	455.22	1029.17	485.49	1495.07	5.42
250.00	100.00	610.00	610.00	439.00	18500.00	454.43	1709.03	454.07	240.39	0.00	0.00	14.72
250.00	100.00	610.00	610.00	439.00	18500.00	454.12	1395.23	461.45	92.41	417.59	0.00	19.05
250.30	30.00	640.00	610.00	439.06	18500.00	457.01	2143.62	460.34	245.42	0.00	0.01	10.04
250.30	30.00	640.00	610.00	439.06	18500.00	459.44	2423.50	64.05	142.73	0.00	0.00	12.46
250.55	25.00	640.00	610.00	439.11	18500.00	654.30	2311.46	660.51	270.74	0.00	0.00	13.47
250.55	25.00	640.00	610.00	439.11	18500.00	460.17	2359.17	662.09	140.37	409.42	610.00	12.16
250.80	25.00	600.00	600.00	439.00	18500.00	454.24	1255.44	460.76	140.00	0.00	0.00	14.92
250.80	25.00	600.00	600.00	439.00	18500.00	460.26	2121.12	662.24	140.00	500.00	600.00	11.26
251.20	40.00	600.00	640.00	439.00	18500.00	459.54	2347.07	661.16	309.45	0.00	0.00	10.51
251.20	40.00	600.00	640.00	439.00	18500.00	460.44	2122.67	662.49	140.00	500.00	600.00	10.53
251.45	25.00	655.00	575.00	439.20	18500.00	459.45	1402.79	461.10	314.57	0.00	0.00	10.77
251.45	25.00	655.00	575.00	439.20	18500.00	461.02	3133.88	452.40	140.34	300.79	530.14	11.06
251.70	25.00	455.00	530.00	439.20	18500.00	440.07	3133.31	461.19	317.53	0.00	0.00	10.64
251.70	25.00	455.00	530.00	439.20	18500.00	661.16	3174.91	462.49	102.10	188.43	530.90	10.05

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL LN	EL OF CHORD	WIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	FG	TAPPID	STFEL	STENG	VFM
340.00	500.00	495.00	542.00	542.00	447.40	14480.00	668.83	8575.94	668.89	1394.32	0.00	0.00	2.70
340.00	500.00	495.00	542.00	542.00	447.40	14480.00	668.83	8912.57	670.00	811.65	342.79	1154.45	2.71
340.55	55.00	495.00	542.00	542.00	608.10	16200.00	668.84	7415.75	668.91	1279.92	0.00	0.00	3.01
340.55	55.00	495.00	542.00	542.00	608.10	16200.00	668.84	7826.10	670.03	748.60	151.36	1140.16	3.00
340.80	25.00	495.00	542.00	542.00	608.80	14800.00	668.85	6749.14	668.93	1241.24	0.00	0.00	3.14
340.80	25.00	495.00	542.00	542.00	608.80	14800.00	668.85	7326.13	670.02	779.37	354.75	1134.15	3.12
341.05	25.00	530.00	535.00	535.00	608.00	14800.00	668.87	9680.64	668.94	1054.24	0.00	0.00	2.60
341.05	25.00	530.00	535.00	535.00	608.00	14800.00	668.87	9836.81	670.05	648.20	530.00	1178.20	2.66
341.45	40.00	530.00	635.00	635.00	608.50	14800.00	671.67	13934.58	671.71	1197.69	0.00	0.00	1.74
341.45	40.00	530.00	635.00	635.00	608.50	14800.00	671.67	14447.00	672.71	752.49	530.00	1242.40	1.68
341.70	25.00	460.00	535.00	535.00	608.70	14800.00	671.68	14771.29	671.71	1347.67	0.00	0.00	1.65
341.70	25.00	460.00	535.00	535.00	608.70	14800.00	671.68	15505.04	672.72	908.26	365.58	1273.85	1.61
341.95	25.00	460.00	535.00	535.00	608.70	14800.00	671.68	17779.02	671.71	1347.74	0.00	0.00	1.95
341.95	25.00	460.00	535.00	535.00	608.70	14800.00	671.68	18552.35	672.72	908.45	365.50	1273.94	1.91
342.30	35.00	460.00	535.00	535.00	608.70	14800.00	671.69	14779.20	671.72	1347.63	0.00	0.00	1.75
342.30	35.00	460.00	535.00	535.00	608.70	14800.00	671.69	15544.71	672.72	908.64	365.03	1274.07	1.91
347.10	500.00	460.00	535.00	535.00	608.80	14800.00	671.75	14709.52	671.76	1347.14	0.00	0.00	1.65
347.10	500.00	460.00	535.00	535.00	608.80	14800.00	671.75	15446.45	672.72	907.10	364.07	1273.17	1.92
355.50	420.00	565.00	610.00	610.00	651.00	14800.00	670.41	1326.15	675.19	372.40	0.00	0.00	15.41
355.50	420.00	565.00	610.00	610.00	651.00	14800.00	670.41	1326.15	675.19	372.40	477.72	428.19	14.32
368.35	1275.00	1455.00	1490.00	1490.00	451.20	14800.00	473.08	27493.44	473.09	2149.51	0.00	0.00	0.64
368.35	1275.00	1455.00	1490.00	1490.00	451.20	14800.00	473.08	29208.69	475.15	1768.35	294.44	2052.96	0.93
368.50	55.00	1455.00	1490.00	1490.00	451.25	14800.00	473.08	26291.51	473.09	2142.01	297.23	2047.26	0.92
369.05	25.00	1455.00	1490.00	1490.00	451.56	14800.00	473.08	24205.18	473.09	2149.18	0.00	0.00	0.69
369.05	25.00	1455.00	1490.00	1490.00	451.56	14800.00	473.08	27206.42	475.15	1766.54	294.29	2048.23	0.97
369.30	25.00	1100.00	1240.00	1240.00	452.00	14800.00	473.07	13757.31	473.09	1803.77	0.00	0.00	1.79
369.30	25.00	1100.00	1240.00	1240.00	452.00	14800.00	473.07	15229.38	475.15	1170.14	534.72	1708.54	1.71
369.70	40.00	1100.00	1240.00	1240.00	452.20	14800.00	474.22	13842.62	474.24	1607.78	0.00	0.00	1.78
369.70	40.00	1100.00	1240.00	1240.00	452.20	14800.00	474.22	14005.41	475.25	1170.18	534.29	1709.07	1.76
369.95	25.00	1100.00	1240.00	1240.00	452.20	14800.00	474.22	13811.55	474.25	1602.42	0.00	0.00	1.78
369.95	25.00	1100.00	1240.00	1240.00	452.20	14800.00	474.22	14012.51	475.25	1170.48	534.75	1709.25	1.76
370.50	30.00	1218.00	1256.00	1256.00	452.10	14800.00	474.24	15443.31	474.26	2445.47	0.00	0.00	1.64
370.50	30.00	1218.00	1256.00	1256.00	452.10	14800.00	474.24	16175.18	475.26	1509.30	514.04	2113.55	1.53

SECTION NUMBER	CHANNEL LENGTH	MIN ROADWAY	MAX LNK CHORD	EL. OF GROUND	DISCHARGE (CFS)	CHSFL	TQ	PG	TAPID	STENCL	STENCR	VCM
404.00	1200.00	1060.00	1110.00	457.90	10200.00	470.70	13230.90	670.77	1920.00	0.00	0.00	1.45
406.00	1200.00	1060.00	1110.00	457.90	10200.00	470.70	13230.90	670.77	1920.00	0.00	0.00	1.45
419.10	1310.00	769.00	815.00	655.70	10800.00	670.93	4900.93	675.06	986.90	0.00	5.00	0.26
422.70	720.00	480.00	720.00	455.70	10200.00	470.48	2010.83	675.45	576.38	0.00	0.00	10.01
422.80	50.00	480.00	720.00	455.70	10800.00	475.73	2010.93	676.89	379.25	0.00	0.00	9.45
423.05	25.00	480.00	720.00	455.70	10800.00	475.75	2203.70	674.00	659.45	0.00	0.00	9.19
423.30	25.00	480.00	720.00	455.70	10800.00	475.75	2113.00	677.02	375.53	0.00	759.72	10.45
423.70	40.00	410.00	920.00	454.00	10800.00	476.96	4233.03	677.07	948.09	0.00	0.00	7.53
423.95	25.00	476.00	916.00	456.10	10800.00	476.93	2290.00	676.06	200.28	0.00	0.00	7.92
424.20	25.00	476.00	916.00	456.10	10800.00	477.10	2375.14	677.20	473.72	0.00	0.00	9.16
424.70	50.00	476.00	916.00	456.10	10800.00	477.00	2527.24	678.24	216.91	0.00	0.00	9.09
435.50	1060.00	467.00	517.00	454.40	10800.00	478.00	6542.30	678.04	1040.07	0.00	0.00	2.41
440.50	1400.00	505.00	538.00	460.20	10800.00	478.06	2740.10	678.25	702.46	0.00	0.00	7.59
450.00	50.00	405.00	538.00	460.20	10800.00	478.33	2461.70	679.77	474.65	0.00	0.00	7.61
450.25	25.00	405.00	538.00	460.20	10800.00	478.59	2640.16	679.00	726.29	0.00	0.00	7.78
450.50	25.00	405.00	538.00	460.20	10800.00	478.46	2629.98	679.08	713.88	0.00	0.00	7.55
450.75	25.00	405.00	538.00	460.20	10800.00	478.46	2720.11	679.07	422.85	0.00	0.00	7.22
450.90	25.00	405.00	538.00	460.20	10800.00	478.35	2185.74	679.17	540.55	0.00	0.00	9.18
451.00	25.00	405.00	538.00	460.20	10800.00	479.20	2350.67	680.06	219.70	0.00	0.00	8.28
451.20	50.00	405.00	538.00	460.20	10800.00	480.15	3172.49	680.06	717.44	0.00	0.00	4.41
451.40	50.00	405.00	538.00	460.20	10800.00	481.05	3289.97	681.53	202.44	0.00	0.00	5.23

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CURB	MIN EL OF GROUND	DISCHARGE (CFS)	CASEL	TG	PG	TAPWID	STENCIL	STENCR	VCH
451.25	25.00	741.00	830.00	600.70	14800.00	680.40	7220.52	66.40	954.67	0.00	0.00	3.11
451.25	25.00	741.00	830.00	460.70	14800.00	681.07	7959.79	681.55	641.23	440.17	1101.40	2.94
451.50	25.00	741.00	830.00	660.70	14800.00	681.08	7234.75	680.49	955.06	0.00	0.00	3.11
451.50	25.00	741.00	830.00	660.70	14800.00	681.08	7973.95	681.66	641.71	439.91	1101.62	2.94
452.00	50.00	741.00	830.00	460.70	14800.00	680.43	7242.99	680.51	955.62	0.00	0.00	3.10
452.00	50.00	741.00	830.00	660.70	14800.00	681.50	8011.96	681.58	642.64	439.03	1102.06	2.93
453.00	100.00	741.00	830.00	460.70	14800.00	680.48	7319.31	680.55	957.34	0.00	0.00	3.06
453.00	100.00	741.00	830.00	660.70	14800.00	681.50	8057.84	681.41	640.53	439.03	1102.94	2.91
SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIFF EACH	CASEL DIFF EACH SECTION	CASEL	CASEL-MSLK	TOPAID	T.W. DIFF	LENGTH			
129.040	19900.000	642.400	0.000	0.000	0.000	0.000	1015.600	0.000	0.000			
129.060	19900.000	643.400	1.000	0.000	0.000	0.000	685.147	326.653	0.000			
129.540	19900.000	642.530	0.000	0.000	0.000	0.000	974.544	0.000	50.000			
129.540	19900.000	643.400	0.949	0.000	0.000	0.000	676.773	317.732	50.000			
130.040	19900.000	642.500	0.000	0.000	0.000	0.000	934.123	0.000	50.000			
130.040	19900.000	643.505	0.925	0.000	0.000	0.000	583.925	350.198	50.000			
130.540	19900.000	642.584	0.000	0.000	0.000	0.000	698.501	0.000	70.000			
130.540	19900.000	643.444	0.864	-0.077	0.000	0.000	576.078	342.513	70.050			
130.610	19900.000	642.509	0.000	0.015	0.000	0.000	673.021	0.000	75.000			
130.610	19900.000	643.434	0.835	-0.034	0.000	0.000	500.628	372.402	75.000			
130.810	19900.000	641.621	0.000	-0.974	0.000	0.000	508.202	0.000	75.000			
130.810	19900.000	641.346	-0.275	-2.007	0.000	0.000	243.900	204.341	75.000			
131.240	19900.000	644.044	0.000	3.030	0.000	0.000	644.014	0.000	80.000			
131.240	19900.000	645.060	1.000	4.274	0.000	0.000	406.133	277.661	80.000			
131.500	19900.000	645.221	0.000	0.521	0.000	0.000	523.216	0.000	74.000			
131.500	19900.000	640.125	0.905	0.244	0.000	0.000	373.746	109.450	74.000			
131.750	19900.000	645.247	0.000	0.026	0.000	0.000	521.623	0.000	75.000			
131.750	19900.000	646.148	0.891	0.022	0.000	0.000	372.173	139.670	75.000			
132.040	19900.000	645.275	0.000	0.023	0.000	0.000	518.672	0.000	71.000			
132.040	19900.000	646.171	0.895	0.023	0.000	0.000	344.729	109.143	71.000			
137.000	19900.000	645.309	0.000	0.623	0.000	0.000	526.655	0.000	80.000			
137.000	19900.000	646.209	0.800	0.578	0.000	0.000	350.474	146.161	80.000			
141.700	19900.000	644.301	0.000	0.332	0.000	0.000	1940.000	0.000	479.000			
141.700	19900.000	647.153	0.852	0.404	0.000	0.000	1318.452	641.548	479.000			
146.770	19900.000	646.405	0.000	0.105	0.000	0.000	1485.362	0.000	502.000			
146.770	19900.000	647.252	0.846	0.609	0.000	0.000	1042.544	423.820	502.000			
157.720	19900.000	646.645	0.000	0.280	0.000	0.000	1795.478	0.000	605.000			
157.720	19900.000	647.505	0.859	0.293	0.000	0.000	1211.514	584.643	605.000			
173.620	19900.000	647.531	0.000	0.645	0.000	0.000	1019.617	0.000	1620.000			
173.620	19900.000	646.142	0.852	0.638	0.000	0.000	635.187	344.551	1620.000			
190.270	19900.000	649.200	0.000	1.449	0.000	0.000	1508.445	0.000	1635.000			

190.270	19000.000	609.832	0.000	0.000	1003.426	0.000	1003.426	0.000	873.000
199.000	19900.000	650.529	0.607	0.609	1004.968	0.000	1004.968	758.458	873.000
213.000	19500.000	651.346	0.000	1.533	1602.471	0.000	1602.471	0.000	1000.000
213.000	19500.000	652.077	0.712	1.508	1001.729	0.000	1001.729	540.702	1000.000
213.300	19500.000	651.411	0.000	0.000	1695.692	0.000	1695.692	0.000	20.000
213.300	19500.000	652.119	0.708	0.000	1004.215	0.000	1004.215	540.879	20.000
213.550	19500.000	651.409	0.000	0.037	1607.356	0.000	1607.356	0.000	25.000
213.550	19500.000	652.150	0.705	0.000	1007.273	0.000	1007.273	540.005	25.000
213.600	19500.000	651.485	0.000	0.036	1609.549	0.000	1609.549	0.000	25.000
213.600	19500.000	652.187	0.702	0.034	1050.212	0.000	1050.212	549.357	25.000
214.200	19500.000	651.900	0.000	0.415	1636.440	0.000	1636.440	0.000	40.000
214.200	19500.000	652.900	1.000	0.713	1090.422	0.000	1090.422	542.038	40.000
214.450	19500.000	651.800	0.000	-0.052	1656.226	0.000	1656.226	0.000	25.000
214.450	19500.000	652.801	0.993	-0.059	793.081	0.000	793.081	1045.307	25.000
214.700	19500.000	651.872	0.000	0.024	1647.376	0.000	1647.376	0.000	25.000
214.700	19500.000	652.862	0.989	0.021	790.917	0.000	790.917	1072.419	25.000
215.000	19500.000	651.901	0.000	0.024	1677.130	0.000	1677.130	0.000	20.000
215.000	19500.000	652.856	0.985	0.024	706.462	0.000	706.462	1020.664	20.000
220.000	19500.000	652.338	0.000	0.417	1816.810	0.000	1816.810	0.000	500.000
220.000	19500.000	653.255	0.917	0.370	783.500	0.000	783.500	1033.219	500.000
227.000	19500.000	652.206	0.000	0.444	1004.403	0.000	1004.403	0.000	700.000
227.000	19500.000	653.704	0.898	0.449	2101.270	0.000	2101.270	945.535	700.000
239.000	19500.000	653.233	0.000	0.427	1770.742	0.000	1770.742	0.000	1200.000
239.000	19500.000	654.080	0.807	0.375	1001.277	0.000	1001.277	569.425	1200.000
247.000	19500.000	653.203	0.000	0.970	0.000	0.000	0.000	0.000	500.000
247.000	19500.000	655.004	0.805	0.928	1029.175	0.000	1029.175	658.313	500.000
250.000	19500.000	650.411	0.000	2.228	238.309	0.000	238.309	0.000	300.000
250.000	19500.000	650.116	-0.313	1.110	02.411	0.000	02.411	105.976	300.000
250.300	19500.000	657.912	0.000	1.481	265.490	0.000	265.490	0.000	20.000
250.300	19500.000	659.436	1.926	5.718	132.730	0.000	132.730	20.000	20.000
250.550	19500.000	650.302	0.000	0.350	270.743	0.000	270.743	0.000	25.000
250.550	19500.000	640.145	1.846	0.329	140.375	0.000	140.375	120.388	25.000
250.600	19500.000	656.043	0.000	-1.459	140.000	0.000	140.000	0.000	25.000
250.600	19500.000	640.259	5.416	0.000	0.000	0.000	0.000	0.000	25.000
251.200	19500.000	640.600	0.000	2.797	309.406	0.000	309.406	0.000	40.000
251.200	19500.000	640.600	1.000	0.381	100.001	0.000	100.001	149.445	40.000
251.450	19500.000	659.206	0.000	0.304	312.549	0.000	312.549	0.000	25.000
251.450	19500.000	641.037	1.091	0.307	100.504	0.000	100.504	174.225	25.000
251.700	19500.000	640.070	0.000	0.123	517.210	0.000	517.210	0.000	25.000
251.700	19500.000	641.140	1.001	0.123	102.105	0.000	102.105	175.405	25.000
252.000	19500.000	640.212	0.000	0.103	321.233	0.000	321.233	0.000	20.000
252.000	19500.000	641.306	1.000	0.103	100.308	0.000	100.308	17.025	20.000
257.000	19500.000	641.907	0.000	1.458	312.007	0.000	312.007	0.000	500.000

323.000	16800.000	667.066	0.000	-0.057	0.000	580.108	0.000	240.000
323.000	16900.000	668.026	0.960	-0.056	0.000	361.308	220.000	240.000
330.000	16800.000	667.748	0.000	0.762	0.000	568.079	0.000	700.000
330.000	16800.000	668.656	0.828	0.540	0.000	339.736	229.903	700.000
333.000	16600.000	660.500	0.000	-1.149	0.000	200.308	0.000	300.000
333.000	16500.000	660.308	-0.290	-2.347	0.000	96.119	104.240	300.000
333.300	16800.000	667.875	0.000	1.279	0.000	219.626	0.000	30.000
333.300	16800.000	669.309	1.520	3.000	0.000	117.055	102.569	30.000
333.550	16200.000	646.327	0.000	0.408	0.000	220.450	0.000	25.000
333.550	16600.000	669.806	1.479	0.407	0.000	121.136	99.914	25.000
333.000	16600.000	670.045	0.000	2.156	0.000	248.349	0.000	25.000
333.000	16800.000	671.006	1.570	2.190	0.000	206.027	421.342	25.000
333.000	16800.000	669.433	0.000	-1.032	0.000	124.000	0.000	10.000
333.000	16800.000	671.200	1.857	-0.705	0.000	134.000	-10.000	10.000
334.100	16800.000	669.672	0.000	0.238	0.000	132.545	0.000	20.000
334.100	16800.000	671.476	1.745	0.146	0.000	134.000	-1.495	20.000
334.200	16800.000	667.510	0.000	-2.142	0.000	343.344	0.000	10.000
334.200	16800.000	668.530	1.000	-2.966	0.000	193.753	149.611	10.000
334.450	16800.000	667.554	0.000	0.024	0.000	300.305	0.000	25.000
334.450	16800.000	668.540	0.996	0.010	0.000	190.114	140.231	25.000
334.700	16800.000	667.550	0.000	0.026	0.000	337.555	0.000	25.000
334.700	16800.000	668.551	0.971	0.011	0.000	146.302	151.054	25.000
335.000	16800.000	667.570	0.000	-0.010	0.000	333.215	0.000	40.000
335.000	16800.000	668.561	0.976	-0.010	0.000	149.217	103.906	40.000
340.000	16800.000	669.631	0.000	1.241	0.000	1324.546	0.000	500.000
340.000	16800.000	669.932	1.101	1.392	0.000	611.059	512.059	500.000
340.550	16800.000	666.942	0.000	0.011	0.000	1279.922	0.000	55.000
340.550	16800.000	669.980	1.007	0.007	0.000	786.766	401.126	55.000
340.800	16800.000	668.629	0.000	0.007	0.000	1241.267	0.000	25.000
340.800	16800.000	669.944	1.035	0.005	0.000	779.372	441.055	25.000
341.05	16800.000	668.874	0.000	0.024	0.000	1054.202	0.000	25.000
341.050	16800.000	669.944	1.035	0.024	0.000	446.203	446.019	25.000
341.450	16800.000	671.670	0.000	2.796	0.000	1197.695	0.000	40.000
341.450	16800.000	672.670	1.000	2.792	0.000	752.468	405.207	40.000
341.700	16800.000	671.670	0.000	0.010	0.000	1347.674	0.000	25.000
341.700	16800.000	672.670	1.002	0.012	0.000	908.245	459.409	25.000
341.950	16800.000	671.674	0.000	0.003	0.000	1347.741	0.000	25.000
341.950	16800.000	672.675	1.001	0.003	0.000	908.452	459.259	25.000
342.300	16800.000	671.678	0.000	0.005	0.000	1347.629	0.000	25.000
342.300	16800.000	672.679	1.001	0.009	0.000	908.600	459.189	25.000
347.300	16800.000	671.753	0.000	0.045	0.000	1367.172	0.000	500.000
347.300	16800.000	672.757	0.995	0.053	0.000	917.101	440.035	500.000
353.500	16800.000	670.993	0.000	-0.743	0.000	372.507	0.000	800.000

368.250	14800.000	673.979	0.000	2.987	0.000	248.587	0.000	1275.000
368.250	14800.000	675.539	1.340	4.733	0.000	1756.353	410.154	1275.000
368.800	14800.000	673.981	0.000	0.002	0.000	2142.011	0.000	55.000
368.800	14800.000	675.581	1.359	0.002	0.000	1740.056	411.955	55.000
369.050	14800.000	673.982	0.000	0.001	0.000	2159.177	0.000	25.000
369.050	14800.000	675.582	1.359	0.001	0.000	1746.584	412.632	25.000
369.300	14800.000	673.947	0.000	-0.015	0.000	1603.773	0.000	25.000
369.300	14800.000	675.525	1.358	-0.017	0.000	1170.116	613.617	25.000
369.700	14800.000	674.220	0.000	0.253	0.000	1607.760	0.000	49.000
369.700	14800.000	675.220	1.000	-0.105	0.000	1170.175	637.605	49.000
369.950	14800.000	674.224	0.000	0.004	0.000	1608.109	0.000	25.000
369.950	14800.000	675.223	1.000	0.003	0.000	1170.310	637.789	25.000
370.200	14800.000	674.227	0.000	0.004	0.000	1606.476	0.000	25.000
370.200	14800.000	675.227	0.999	0.003	0.000	1170.477	637.959	25.000
370.500	14800.000	674.240	0.000	0.012	0.000	2285.448	0.000	70.000
370.500	14800.000	675.241	1.001	0.014	0.000	1509.363	646.145	70.000
383.000	14800.000	674.375	0.000	0.175	0.000	2222.900	0.000	1250.000
383.000	14800.000	675.354	0.978	0.113	0.000	1614.620	608.073	1250.000
394.000	14800.000	674.508	0.000	0.133	0.000	1350.927	0.000	1100.000
394.000	14800.000	675.485	0.957	0.111	0.000	1621.705	329.182	1100.000
400.000	14800.000	674.597	0.000	0.158	0.000	1920.071	0.000	1200.000
400.000	14800.000	675.622	0.982	0.173	0.000	1376.952	529.096	1200.000
419.100	14800.000	674.928	0.000	0.232	0.000	986.986	0.000	1310.000
419.100	14800.000	675.509	0.881	0.171	0.000	617.420	349.546	1310.000
422.300	14800.000	674.976	0.000	-0.251	0.000	576.377	0.000	300.000
422.300	14800.000	675.022	0.405	-0.727	0.000	311.709	288.578	300.000
422.500	14800.000	675.083	0.000	0.406	0.000	633.060	0.000	50.000
422.500	14800.000	675.731	0.647	0.609	0.000	379.263	253.787	50.000
423.050	14800.000	675.250	0.000	0.147	0.000	559.448	0.000	25.000
423.050	14800.000	675.963	0.712	0.232	0.000	395.527	245.921	25.000
423.300	14800.000	675.893	0.000	0.643	0.000	892.006	0.000	25.000
423.300	14800.000	675.984	1.051	0.981	0.000	733.655	156.300	25.000
423.700	14800.000	676.960	0.000	1.647	0.000	948.089	0.000	40.000
423.700	14800.000	677.960	1.000	1.016	0.000	614.527	153.742	40.000
423.950	14800.000	676.182	0.000	0.858	0.000	446.381	0.000	25.000
423.950	14800.000	676.929	0.626	-1.071	0.000	204.750	201.601	25.000
424.200	14800.000	676.246	0.000	0.144	0.000	473.718	0.000	25.000
424.200	14800.000	677.101	0.635	0.173	0.000	209.125	264.594	25.000
424.700	14800.000	676.554	0.000	0.248	0.000	521.672	0.000	50.000
424.700	14800.000	677.396	0.843	0.205	0.000	216.912	305.070	50.000
435.500	14800.000	677.909	0.000	1.405	0.000	1044.615	0.000	1080.000
435.500	14800.000	678.930	0.931	1.534	0.000	735.443	327.372	1080.000
449.500	14800.000	678.459	0.000	0.440	0.000	742.458	0.000	1400.000
449.500	14800.000	679.459	0.000	0.440	0.000	742.458	0.000	1400.000

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DISE						
450.000	14800.000	678.567	0.000	0.123	0.000	730.247	0.000	50.000		
450.000	14800.000	679.024	0.516	0.000	0.000	424.045	311.402	50.000		
450.250	14800.000	678.556	0.000	0.069	0.000	733.680	0.000	25.000		
450.250	14800.000	679.023	0.927	0.058	0.000	422.650	311.010	25.000		
450.500	14800.000	678.351	0.000	1.100	0.000	540.550	0.010	25.000		
450.500	14800.000	679.208	0.853	0.278	0.000	236.740	323.603	25.000		
451.000	14800.000	680.056	0.000	1.659	0.000	777.800	0.000	50.000		
451.000	14800.000	681.050	1.000	1.506	0.000	242.401	455.402	50.000		
451.250	14800.000	680.402	0.000	0.352	0.000	954.670	0.000	25.000		
451.250	14800.000	681.474	1.073	0.321	0.000	561.229	293.441	25.000		
451.500	14800.000	680.412	0.000	0.011	0.000	953.055	0.000	25.000		
451.500	14800.000	681.445	1.071	0.000	0.000	561.707	293.309	25.000		
452.000	14800.000	680.474	0.000	0.021	0.000	955.821	0.000	50.000		
452.000	14800.000	681.507	1.047	0.014	0.000	662.638	293.143	50.000		
453.000	14800.000	680.476	0.000	0.002	0.000	957.313	0.000	100.000		
453.000	14800.000	681.510	1.050	0.015	0.000	644.526	292.617	100.000		

DATA FOR LAST CROSS SECTION

1 0.000 0.000 1027.088 0.000
 2 4.000 0.142 677.779 0.304,300

RTD001 JOB RTT.A25.P03070.MAK.M=1,I=2,P=200,PTY=1,D=RTMG
 //*PROCLIB=RTI.MG.PROCLIB
 // EXEC HEC2
 //SYSIN DD *
 T1 ROWAN COUNTY BASIN F STREAM 3 TOWN CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	-1	2								624.0
J2	-1		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50							
NC	0.085	0.085	0.060	0.1	0.3					
BT	1	12500								
BT	5	0	0	0	0	-10.4				
X1	100	26	340	900	100	100	100			
GR	633.3	60	625.0	100	624.5	115	622.0	175	622.5	340
GR	621.9	405	621.6	705	622.5	900	622.0	928	622.7	1488
GR	624.5	1555	624.5	1600	623.0	1625	624.5	1668	624.5	1705
GR	622.5	1730	622.6	1925	622.0	2075	622.7	2160	623.5	2305
GR	621.6	2455	622.3	2525	622.6	2640	621.6	2735	622.0	2750
GR	633.8	2800								
BT	1	12400								
X1	2300	18	320	370	2200	2200	2200			
GR	633.5	30	624.5	60	623.7	138	625.0	145	623.8	245
GR	624.3	305	626.4	315	626.4	328	620.7	332	621.3	355
GR	620.9	367	626.1	370	626.0	366	624.4	390	623.7	425
GR	624.0	1020	627.6	1060	633.5	1080				
NC	0.085	0.085	0.060	0.1	0.3					
BT	1	12000								
X1	5700	18	583	623	3400	3400	3400			
GR	636.0	75	633.5	110	632.6	175	629.4	230	628.1	330
GR	628.7	425	629.0	480	629.7	550	632.4	563	629.7	573
GR	630.0	503	622.6	588	622.7	618	629.3	623	631.0	640
GR	629.5	650	628.5	700	636.0	900				
NC	0.085	0.085	0.060	0.1	0.3					
BT	1	11700								
X1	8000	21	275	297	2300	2300	2300			
GR	642.5	50	639.2	175	637.5	270	634.5	275	625.5	280
GR	625.7	294	631.5	297	635.5	310	632.8	340	634.4	370
GR	634.0	390	630.0	395	629.6	414	635.0	420	633.7	445
GR	633.2	476	634.2	526	633.6	530	633.8	605	635.8	675
GR	642.5	700								
NC	0.080	0.080	0.060	0.1	0.3					
BT	1	11300								
X1	9580	23	340	600	1570	1570	1570			
GR	651.6	4	643.7	100	642.5	160	640.5	200	640.5	350
GR	632.2	445	638.4	515	637.5	524	640.4	527	636.0	536
GR	632.7	540	630.4	548	629.3	567	629.7	580	636.6	600
GR	637.7	608	637.6	660	639.4	732	640.3	900	645.8	1105
GR	645.2	1125	647.2	1220	651.6	1292				

NC	0.090	0.090	0.060	0.1	0.3					
QT	1	11300								
X1	11150	19	97	140	1570	1570	1570			
GR	650.5	0	644.0	20	635.2	42	634.6	50	634.6	75
GR	641.0	85	647.0	97	634.0	111	646.5	140	650.5	148
X1	11234	14	800	640	84	84	84			
GR	656.3	0	649.5	120	645.0	240	645.3	440	649.6	610
GR	650.6	630	651.2	799	638.5	800	635.5	805	636.2	827
GR	638.6	840	652.1	841	653.5	1010	656.3	1100		
SE	0.9	1.5	2.5		40	0.1	455			
X1	11266	0	0	0	32	32	32			
X2			1	649.6	651.2					
BT	10	0	656.3		120	649.5		240	645.0	
BT	440	645.3		610	649.6		680	650.6		800
BT	651.2	647.2	840	652.1	647.2	1010	653.5		1100	656.3
BT										
NC	0.090	0.090	0.060	0.1	0.3					
QT	1	11100								
X1	11350	17	54	86	84	84	84			
GR	652.5	0	651.0	10	645.8	22	644.4	47	641.0	48
GR	640.6	54	637.6	57	636.6	66	637.5	78	643.4	86
GR	644.6	103	644.0	116	645.0	150	642.5	160	646.0	170
GR	650.5	175	652.5	220						
QT	1	10800								
X1	13500	20	730	764	2150	2150	2150			
GR	666.0	0	660.3	85	658.0	190	654.9	360	652.5	470
GR	649.5	560	648.2	680	649.5	710	647.5	730	642.5	734
GR	641.5	744	642.0	755	648.4	764	649.4	785	648.1	815
GR	646.0	620	646.0	830	643.2	834	653.0	870	666.0	890
NC	0.080	0.080	0.060	0.1	0.3					
QT	1	10500								
X1	14800	16	362	390	1300	1300	1300			
GR	664.5	0	656.5	35	651.5	75	651.5	325	653.0	340
GR	652.1	350	650.4	355	650.4	362	646.0	365	646.3	386
GR	652.0	390	653.3	400	647.0	415	653.2	432	655.0	465
GR	664.5	515								
NC	0.085	0.085	0.060	0.1	0.3					
QT	1	10300								
X1	16980	11	314	360	2180	2180	2180			
GR	674.5	0	664.5	117	662.5	158	661.3	240	659.2	314
GR	652.4	326	662.5	360	663.4	369	662.8	415	662.0	425
GR	674.5	452								
X1	17069	10	356	397	89	89	89			
GR	676.7	0	668.5	140	665.8	290	665.4	355	657.5	356
GR	653.6	370	653.5	397	665.4	398	666.3	495	676.7	880
SE	0.9	1.5	2.5	0	41	0.1	380			
X1	17092	3	0	0	23	23	23			
X2			1	643.4	665.4					
BT	7	0	676.7		140	668.5		290	665.8	
BT	756	645.4	663.4	397	665.4	663.4	495	666.3		880

BT	676.7									
NC	0.085	0.085	0.060	0.1	0.3					
X1	17100	19	300	337	88	88				
GR	676.0	0	671.6	26	666.7	115	664.5	190	664.5	205
GR	662.2	225	661.5	290	659.6	300	655.4	307	655.5	333
GR	660.6	337	661.2	345	659.5	350	659.5	387	661.0	393
GR	665.6	515	668.4	518	672.0	625	676.0	690		
NC	0.070	0.070	0.050	0.1	0.3					
QT	1	9750								
X1	19125	25	487	526	1945	1945	1945		-2.194	
GR	683.5	0	672.0	80	668.0	140	667.9	200	667.5	300
GR	666.6	400	667.6	487	666.0	492	661.6	495	661.6	510
GR	666.8	515	668.8	526	669.1	580	668.5	585	667.0	590
GR	665.3	593	664.5	600	665.3	605	667.7	610	667.6	700
GR	667.5	710	673.6	800	673.7	850	676.0	925	680.0	970
X1	19150	0	0	0	25	25	25			
X1	19175	0	0	0	25	25	25			
NC	0.070	0.070	0.060	0.1	0.3					
X1	19225	0	0	0	50	50	50			
X1	19325	0	0	0	100	100	100			
QT	1	10000								
X1	20125	22	557	600	800	800	800		-2.194	
GR	692.5	0	686.0	95	680.0	140	678.0	170	676.0	240
GR	674.0	330	670.3	400	669.4	530	670.8	557	668.5	562
GR	662.0	564	663.1	573	663.1	583	669.3	585	700.4	600
GR	669.6	612	665.0	635	669.0	650	670.0	700	675.4	810
GR	680.0	880	690.0	955						
NC	0.070	0.070	0.060	0.1	0.3					
X1	21125	23	442	493	1000	1000	1000		-2.194	
GR	693.0	0	688.0	95	684.0	155	680.0	200	674.4	360
GR	674.4	400	675.4	442	669.6	460	669.0	463	669.1	472
GR	671.8	475	677.0	493	673.5	515	674.5	523	675.5	600
GR	675.5	625	673.5	628	673.0	640	674.7	645	676.0	653
GR	675.6	700	676.5	750	690.0	920				
X1	22125	20	485	522	1000	1000	1000		-2.194	
GR	690.0	0	683.0	65	686.0	80	684.0	115	682.0	145
GR	680.0	160	678.0	210	676.0	482	675.0	485	674.0	486
GR	672.0	490	671.5	495	671.5	510	672.0	515	674.0	520
GR	675.0	522	676.0	528	678.0	585	680.0	610	690.0	790
X1	22600	22	660	692	500	500	500		-2.194	
GR	690.0	0	689.0	15	686.0	90	684.0	130	682.0	250
GR	682.0	365	683.8	500	683.6	558	681.6	575	681.3	605
GR	675.6	615	681.3	635	678.5	660	675.2	665	674.8	675
GR	675.1	685	680.5	692	679.5	705	680.3	728	678.8	738
GR	678.5	765	690.5	785						
X1	23085	10	247	273	300	500	675		-2.644	
GR	704	30	700	80	698	85	685.7	155	684.5	200
GR	682.7	247	678.5	249	677	260	678.5	270	683.3	273
GR	683	290	687	310	687.8	400	688.8	435	694	540
GR	698	585	700	500	704	680				