

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWD	STENCI	STENCR	VCH
10.8000	-0	0	0	658.30	1750.00	663.90	137.04	664.11	394.51	0	0	5.17
10.80	-0	0	0	658.30	1750.00	664.90	137.64	665.10	334.03	311.48	665.00	5.55
11.00	100.00	0	0	658.30	1750.00	665.55	79.68	667.13	31.94	0	0	10.06
11.00	100.00	0	0	658.30	1750.00	666.46	100.28	667.61	33.42	630.00	665.00	8.59
12.00	100.00	0	0	658.50	1750.00	669.63	142.70	669.75	351.93	0	0	3.59
12.00	100.00	0	0	658.50	1750.00	670.54	186.10	671.07	31.00	386.00	417.00	5.87
15.00	500.00	0	0	662.10	1750.00	672.47	320.38	672.56	326.61	0	0	3.25
15.00	500.00	0	0	662.10	1750.00	673.33	324.67	673.44	134.39	291.07	425.47	3.48
21.00	600.00	0	0	665.00	1750.00	673.47	567.88	673.40	520.00	0	0	1.58
21.00	600.00	0	0	665.00	1750.00	674.42	542.59	674.45	277.81	233.18	511.00	1.64
30.00	900.00	0	0	668.00	1750.00	675.02	269.24	675.07	472.03	0	0	2.39
30.00	900.00	0	0	668.00	1750.00	676.03	276.83	676.10	223.46	150.92	376.53	2.59
38.00	500.00	0	0	671.60	1750.00	680.48	146.41	680.84	182.39	0	0	6.19
38.00	500.00	0	0	671.60	1750.00	681.17	148.02	681.64	69.61	118.15	187.76	6.52
38.20	20.00	0	0	671.60	1750.00	680.83	174.01	681.08	187.37	0	0	5.38
38.20	20.00	0	0	671.60	1750.00	681.54	175.59	681.90	77.15	113.64	190.81	5.68
39.00	80.00	0	0	672.30	1750.00	681.12	393.37	681.10	344.36	0	0	3.02
39.00	80.00	0	0	672.30	1750.00	681.84	372.72	681.94	139.40	146.84	284.46	3.37
39.50	50.00	0	0	672.30	1750.00	681.22	410.42	681.28	350.00	0	0	2.92
39.50	50.00	0	0	672.30	1750.00	681.94	390.87	682.05	144.40	143.03	287.63	3.24
48.00	850.00	0	0	676.10	1750.00	683.72	224.30	683.90	280.57	0	0	4.78
48.00	850.00	0	0	676.10	1750.00	684.61	220.56	684.80	98.63	149.90	268.53	5.25
56.00	800.00	0	0	676.50	1750.00	688.13	251.90	688.23	228.95	0	0	3.52
56.00	800.00	0	0	678.50	1750.00	689.19	240.61	689.33	113.01	146.99	260.00	3.55
60.00	400.00	0	0	680.25	1750.00	689.98	263.43	690.08	232.03	0	0	3.40
60.00	400.00	0	0	680.25	1750.00	691.04	262.80	691.20	114.80	145.20	260.00	3.40
64.00	400.00	0	0	682.50	1750.00	691.18	392.67	691.22	379.97	0	0	2.44
64.00	400.00	0	0	682.50	1750.00	692.24	400.66	692.32	164.78	211.20	377.98	2.62
70.00	600.00	0	0	684.40	1750.00	693.04	225.33	693.17	304.76	0	0	4.07
70.00	600.00	0	0	684.40	1750.00	694.02	230.66	694.20	124.73	199.62	324.35	4.32
76.00	600.00	0	0	686.60	1750.00	695.77	298.82	695.85	310.71	0	0	3.22
76.00	600.00	0	0	686.60	1750.00	696.68	302.71	696.70	147.45	190.42	337.87	3.42
81.00	500.00	0	0	688.80	1750.00	697.71	260.94	697.81	312.49	0	0	3.60
81.00	500.00	0	0	688.80	1750.00	698.59	260.13	698.74	134.59	104.93	331.53	3.89
84.00	300.00	0	0	692.10	1750.00	698.84	316.07	698.92	203.87	0	0	2.95
84.00	300.00	0	0	692.10	1750.00	699.75	309.09	699.87	115.48	104.49	219.97	3.29

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAX FL OF LWR CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CASEI	TQ	EC	TOPATO	STENCI	STENCH	VCW
87.00	300.00	0	0	695.20	1750.00	700.32	155.35	700.61	185.09	0	0	5.03
87.00	300.00	0	0	695.20	1750.00	701.31	150.20	701.65	91.50	122.10	213.50	3.66
90.50	350.00	0	0	696.70	1750.00	704.19	182.53	704.37	191.13	0	0	4.45
90.50	350.00	0	0	696.70	1750.00	705.15	183.61	705.42	94.92	118.01	210.94	3.32

SECTION NUMBER	DISCHARGE CFS	CASEI	CASEI DIFF EACH S	CASEI DIFF EACH SECTION	CASEI-MSFLK	TOPWID	T.W. DIFF	LENGTH
10.000	1750.000	667.900	0	0	0	390.500	0	0
10.600	1750.000	669.900	1.000	0	0	330.027	60.473	0
11.000	1750.000	665.555	0	1.655	0	331.248	0	100.000
11.000	1750.000	666.462	.907	1.562	0	33.421	-1.478	100.000
12.000	1750.000	669.650	0	0.675	0	351.928	0	100.000
12.000	1750.000	670.557	.907	4.075	0	31.001	320.927	100.000
15.000	1750.000	672.467	0	2.637	0	326.513	0	500.000
15.000	1750.000	673.330	.863	2.797	0	134.392	192.221	500.000
21.000	1750.000	673.472	0	1.005	0	528.996	0	400.000
21.000	1750.000	674.419	.947	1.069	0	277.814	251.182	600.000
30.000	1750.000	675.025	0	1.553	0	472.633	0	900.000
30.000	1750.000	676.021	1.001	1.607	0	223.458	248.575	900.000
38.000	1750.000	680.483	0	5.059	0	182.380	0	800.000
38.000	1750.000	681.189	.706	5.143	0	89.609	112.770	800.000
38.250	1750.000	680.826	0	.342	0	187.372	0	20.000
38.250	1750.000	681.500	.718	.375	0	77.151	110.221	20.000
39.000	1750.000	681.120	0	.248	0	308.320	0	20.000
39.000	1750.000	681.542	.718	.248	0	119.800	296.760	20.000
39.500	1750.000	681.223	0	.100	0	350.041	0	50.000
39.500	1750.000	681.954	.733	.110	0	100.546	245.497	50.000
48.000	1750.000	683.724	0	2.503	0	269.571	0	450.000
48.000	1750.000	684.613	.889	2.657	0	95.627	190.945	450.000
55.000	1750.000	685.125	0	4.401	0	225.949	0	500.000
55.000	1750.000	689.184	1.060	4.572	0	113.012	115.937	500.000
60.000	1750.000	689.974	0	1.857	0	232.028	0	500.000
60.000	1750.000	691.069	1.095	1.879	0	110.802	117.227	500.000
64.000	1750.000	691.177	0	1.200	0	379.985	0	400.000
64.000	1750.000	692.255	1.078	1.191	0	106.776	213.169	400.000
70.000	1750.000	693.043	0	1.866	0	368.768	0	400.000
70.000	1750.000	694.016	.973	1.761	0	120.750	182.053	400.000
76.000	1750.000	695.770	0	2.731	0	319.797	0	600.000
76.000	1750.000	696.451	.907	2.600	0	147.446	172.260	600.000
81.000	1750.000	697.710	0	1.440	0	313.666	0	500.000
81.000	1750.000	698.590	.874	1.909	0	130.590	177.096	500.000
84.000	1750.000	698.934	0	1.122	0	203.970	0	300.000

87.000 1750.000 700.386 0 1.550 0 185.495 0 300.000
87.000 1750.000 701.306 .920 1.551 0 91.496 93.994 300.000

90.500 1750.000 700.195 0 3.808 0 191.128 0 350.000
90.500 1750.000 705.155 .960 3.809 0 96.922 94.207 350.000

DATA FOR LAST CROSS SECTION

PROFILE TYPE FNC TARGET TOP WIDTH TOP WIDTH
AREA-ACRES AREA-DIFF

1 0 0 61.286 0
2 4.000 .305 27.054 -34.232

Floodway

 MEC2 VERSION UPDATED JAN 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 52,53,54,55,56,57,58

T1	GASTONIA N C										
T2	FLOOD INSURANCE										
T3	TRIB W-2 100-YR W										
J1	ICHECK	TNO	NINV	TDIR	STRT	METRIC	WVINS	Q	WSEL	EQ	
	0	4	0	0	0	0	0	0	0	472,860	-0
J2	NPROF	TPI OT	PREVS	XSECV	XSFCH	FN	ALLDC	IRX	CHNIM	TTRACE	
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	0,000	27,000	29,000	26,000	-0	-0	-0	-0
NC	.005	.005	.090	.100	.300	-0	-0	-0	-0	-0	-0
QT	5,000	580,000	1020,000	1200,000	1200,000	1550,000	-0	-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0	-0
X1	923,000	34,000	950,000	997,000	0	0	0	-0	-0	-0	-0
GR	680,000	60,000	673,000	250,000	471,500	300,000	671,000	350,000	670,400	400,000	400,000
GR	670,500	450,000	669,500	500,000	670,400	550,000	671,100	400,000	671,000	700,000	700,000
GR	671,700	750,000	670,800	800,000	670,600	850,000	671,100	900,000	672,500	950,000	950,000
GR	667,600	964,000	661,400	977,000	668,400	993,000	670,900	997,000	672,400	1010,000	1010,000
GR	671,000	1050,000	670,500	1100,000	670,600	1150,000	670,600	1200,000	671,000	1250,000	1250,000
GR	670,000	1350,000	669,200	1400,000	669,600	1450,000	669,600	1550,000	670,200	1400,000	1400,000
GR	670,300	1730,000	672,600	1745,000	675,000	1791,000	680,000	1820,000	-0	-0	-0
QT	5,000	580,000	1020,000	1200,000	1200,000	1550,000	-0	-0	-0	-0	-0
NC	.100	.100	.100	.100	.300	-0	-0	-0	-0	-0	-0
X1	10,300	17,000	250,000	350,000	1330,000	1330,000	1330,000	-0	-0	-0	-0
GR	684,600	0	673,600	50,000	673,000	55,000	672,100	100,000	671,800	150,000	150,000
GR	672,200	200,000	672,500	250,000	670,800	300,000	671,900	350,000	674,500	400,000	400,000
GR	674,500	450,000	670,900	500,000	675,200	550,000	675,600	400,000	676,500	650,000	650,000
GR	679,000	700,000	666,000	750,000	-0	-0	-0	-0	-0	-0	-0
X1	10,600	-0	-0	-0	30,000	30,000	30,000	-0	-0	-0	-0
X1	13,100	19,000	596,000	604,000	250,000	250,000	250,000	-0	-0	-0	-0
GR	687,000	0	677,100	100,000	674,700	150,000	673,400	200,000	672,500	250,000	250,000
GR	672,700	300,000	673,200	350,000	674,000	400,000	674,500	450,000	674,300	500,000	500,000
GR	674,600	550,000	674,900	596,000	673,900	597,000	673,800	400,000	674,000	603,000	603,000
GR	674,900	604,000	674,700	650,000	676,500	700,000	692,600	750,000	-0	-0	-0
X1	17,000	0	0	0	400,000	400,000	400,000	-0	2,000	-0	-0
X1	21,000	0	0	0	400,000	400,000	400,000	-0	2,000	-0	-0
X1	26,000	17,000	295,000	305,000	490,000	490,000	490,000	-0	-0	-0	-0
GR	700,000	0	696,100	100,000	690,800	150,000	686,000	174,000	684,200	200,000	200,000
GR	683,500	250,000	682,800	295,000	678,800	297,000	678,700	300,000	679,500	303,000	303,000
GR	681,400	305,000	682,700	350,000	682,900	400,000	684,300	450,000	685,100	500,000	500,000
GR	685,300	514,000	702,000	550,000	-0	-0	-0	-0	-0	-0	-0
X1	26,250	-0	-0	-0	25,000	25,000	25,000	-0	-0	-0	-0

X3	10,000	-0	-0	-0	-0	-0	-0	683,700	683,700	-0
SB	0	1,500	3,000	0	2,400	0	7,100	0	-0	-0
X1	27,250	17,000	297,500	302,500	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	672,450	674,450	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	675,400	675,400	-0
BT	13,000	0	700,000	-0	100,000	690,600	-0	200,000	687,800	-0
BT	250,000	687,100	-0	297,500	687,100	-0	297,500	687,200	681,200	300,000
BT	687,200	683,000	300,000	687,200	683,700	302,500	687,200	683,000	302,500	687,200
BT	681,200	310,000	687,400	-0	400,000	689,700	-0	500,000	694,700	-0
GR	700,000	0	696,100	100,000	690,800	150,000	686,000	176,000	684,200	200,000
GR	683,500	202,500	682,800	250,000	678,800	297,500	678,700	300,000	679,500	302,500
GR	681,400	310,000	682,700	350,000	682,900	400,000	684,300	450,000	685,100	500,000
GR	685,300	514,000	702,000	550,000	-0	-0	-0	-0	-0	-0
X1	29,500	14,000	240,000	250 267,000	225,000	225,000	225,000	-0	-0	-0
GR	700,000	0	690,600	100,000	689,900	110,000	687,600	121,000	685,700	150,000
GR	685,100	200,000	686,100	240,000	682,000	246,000	681,400	250,000	681,200	254,000
GR	685,300	267,000	685,500	293,000	688,200	300,000	695,100	325,000	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12600

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R-2 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCL	STENCH	VCH
923.00		0	0	661.40	1200.00	672.86	2127.11	672.86	1495.32	0	0	.33
923.00		0	0	661.40	1200.00	673.86	2127.73	673.86	870.99	612.91	1483.90	.36
10.30	1330.00	0	0	670.80	1200.00	672.82	38.79	673.19	303.08	0	0	5.54
10.30	1330.00	0	0	670.80	1200.00	673.70	50.90	674.14	100.00	250.00	350.00	5.45
10.60	30.00	0	0	670.80	1200.00	673.78	127.00	673.85	337.12	0	0	2.40
10.60	30.00	0	0	670.80	1200.00	674.63	110.81	674.70	129.83	220.17	350.00	3.27
13.10	250.00	0	0	672.50	1200.00	675.41	173.77	675.45	534.49	0	0	1.21
13.10	250.00	0	0	672.50	1200.00	676.44	176.84	676.50	284.45	317.55	604.00	1.54
17.00	400.00	0	0	674.50	1200.00	677.37	168.09	677.41	532.91	0	0	1.22
17.00	400.00	0	0	674.50	1200.00	678.38	167.56	678.44	285.49	318.51	604.00	1.60
21.00	400.00	0	0	676.50	1200.00	679.39	170.05	679.42	533.38	0	0	1.22
21.00	400.00	0	0	676.50	1200.00	680.40	170.25	680.46	284.70	318.36	604.00	1.50
26.00	490.00	0	0	678.70	1200.00	684.24	68.96	684.52	208.42	0	0	6.11
26.00	490.00	0	0	678.70	1200.00	685.19	63.57	685.78	53.92	295.00	348.92	6.53
26.25	25.00	0	0	678.70	1200.00	684.86	114.86	684.97	293.43	0	0	3.80
26.25	25.00	0	0	678.70	1200.00	686.03	124.51	686.22	85.08	293.14	378.62	4.02
27.25	100.00	0	0	678.70	1200.00	689.14	1069.96	689.17	363.48	0	0	.77
27.25	100.00	0	0	678.70	1200.00	690.33	1114.13	690.34	231.86	222.95	454.80	.80
29.50	225.00	0	0	681.20	1200.00	689.20	263.06	689.25	190.32	0	0	2.21
29.50	225.00	0	0	681.20	1200.00	690.36	277.46	690.42	107.50	160.34	267.84	2.34

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL - WSFLK	TOPWID	T.N. DIFF	LENGTH
923.000	1200.000	672.860	0	0	0	1495.317	0	0
923.000	1200.000	673.860	1.000	0	0	870.984	420.330	0
10.300	1200.000	672.823	0	-.037	0	303.083	0	1330.000
10.300	1200.000	673.700	.877	-.160	0	100.001	203.082	1330.000
10.600	1200.000	673.770	0	.957	0	337.123	0	30.000
10.600	1200.000	674.634	.864	.934	0	129.833	207.291	30.000
13.100	1200.000	675.409	0	1.630	0	534.488	0	250.000
13.100	1200.000	676.440	1.031	1.810	0	284.452	208.036	250.000
17.000	1200.000	677.375	0	1.964	0	532.900	0	400.000
17.000	1200.000	678.384	1.009	1.940	0	285.487	247.422	400.000
21.000	1200.000	679.386	0	2.011	0	533.380	0	400.000
21.000	1200.000	680.400	1.014	2.020	0	285.700	247.674	400.000
26.000	1200.000	684.239	0	4.853	0	208.325	0	490.000
26.000	1200.000	685.188	.949	4.784	0	53.917	194.408	490.000
26.250	1200.000	684.856	0	.617	0	293.430	0	25.000

12605

26,250	1200,000	686.028	1.172	.840	0	85,480	207,950	25,000
27,250	1200,000	689.161	0	4,305	0	363,484	0	100,000
27,250	1200,000	690.333	1.172	4,305	0	231,854	131,628	100,000
29,500	1200,000	689.203	0	.042	0	190,325	0	225,000
29,500	1200,000	690.359	1.156	.026	0	107,500	82,825	225,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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1	0	0	46,710	0
2	4,000	.312	24,536	-22,173

 HEC2 VERSION UPDATED JAN 1974
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 52,53,54,55,56,57,58

Floodway

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB R-4 100-YR Q

J1	ICHECK	IND	MINV	TDIR	SIPI	METRIC	WVINS	Q	WSEL	FD
	0	4	0	0	0	0	0	0	481,670	=0
J2	NPROF	TPLOT	PREVS	YSECV	YSECV	FN	ALLDC	IR	CHNTM	ITRACE
	1,000	=0	=0	=0	=0	=0	=0	=0	=0	=0
J3	1,000	34,000	3,000	4,000	27,000	28,000	24,000			
NC	.100	.040	.060	.100	.300					
QT	5,000	650,000	1200,000	1400,000	1400,000	2000,000				
ET	=0	=0	=0	=0	10,400					
Y1	3,200	16,000	140,000	160,000						
GR	699,300	0	480,900	50,000	479,300	56,000	478,600	100,000	477,900	140,000
GR	672,600	142,000	672,600	150,000	672,700	152,000	679,100	160,000	677,900	200,000
GR	678,400	250,000	678,200	300,000	678,600	350,000	685,000	400,000	690,000	450,000
GR	700,000	500,000								
Y1	10,500	16,000	230,000	260,000	730,000	730,000	730,000			
GR	690,100	0	687,200	50,000	687,900	100,000	680,800	150,000	680,300	200,000
GR	681,200	239,000	672,900	243,000	672,500	250,000	673,100	257,000	681,800	260,000
GR	680,900	300,000	681,300	350,000	683,000	400,000	684,800	450,000	684,100	500,000
GR	690,000	550,000								
QT	5,000	640,000	1120,000	1280,000	1280,000	1720,000				
Y1	16,000	15,000	242,000	258,000	550,000	550,000	550,000		22,470	
GR	672,500	0	667,000	100,000	661,400	127,000	661,200	157,000	661,200	200,000
GR	660,400	202,000	650,500	246,000	653,200	250,000	653,500	254,000	661,300	252,000
GR	661,000	300,000	660,700	350,000	661,100	361,000	668,300	400,000	672,400	450,000
Y1	20,000	=0	=0	=0	400,000	400,000	400,000		4,900	
Y1	20,000	=0	=0	=0	400,000	400,000	400,000		4,900	
Y1	28,000	25,000	488,000	516,000	400,000	400,000	400,000			
GR	716,000	0	714,700	50,000	714,400	72,000	706,800	77,000	705,400	100,000
GR	700,700	150,000	700,900	200,000	700,000	250,000	697,700	300,000	700,800	350,000
GR	699,300	400,000	697,700	450,000	692,800	488,000	690,800	493,000	690,500	500,000
GR	691,000	507,000	697,600	516,000	690,100	540,000	695,900	590,000	703,100	407,000
GR	704,700	650,000	704,600	700,000	705,400	750,000	707,600	800,000	709,800	850,000
Y1	28,300	=0	=0	=0	30,000	30,000	30,000			
Y3	=0	=0	=0	=0	=0	=0	=0	494,200	494,200	
SB	1,250	1,500	3,000	0	17,000	1,000	128,000			
Y1	30,500	30,000	442,000	458,000	220,000	220,000	220,000			
X2	=0	=0	1,000	694,200	715,700					
X3	10,000	=0	=0	=0	=0	=0	=0	714,200	716,200	

BT	11,000	0	721,500	-0	100,000	718,000	-0	200,000	715,500	-0
BT	300,000	715,600	0	442,000	715,700	690,200	442,000	715,700	694,200	458,000
BT	715,700	694,200	458,000	715,700	690,200	442,000	715,700	0	500,000	716,900
BT	0	600,000	720,500	0	-0	-0	-0	-0	-0	-0
GR	716,000	0	714,700	50,000	714,000	72,000	706,800	77,000	705,400	100,000
GR	704,700	150,000	700,900	200,000	700,000	250,000	697,700	300,000	700,800	350,000
GR	699,300	400,000	695,000	440,000	690,200	442,000	686,200	442,000	686,200	458,000
GR	690,200	458,000	694,500	460,000	692,800	488,000	690,800	493,000	690,500	500,000
GR	691,000	507,000	697,500	516,000	694,100	550,000	695,900	590,000	703,100	600,000
GR	704,700	650,000	704,600	700,000	705,400	750,000	707,600	800,000	709,800	850,000
X1	31,000	18,000	241,000	250	258,000	50,000	50,000	50,000	-0	-0
GR	716,800	0	708,900	50,000	704,100	52,000	699,100	100,000	696,200	150,000
GR	694,600	200,000	693,800	241,000	691,400	243,000	691,400	250,000	691,600	257,000
GR	692,900	258,000	696,800	300,000	698,500	341,000	690,700	350,000	705,500	400,000
GR	711,700	450,000	714,400	500,000	717,700	550,000	-0	-0	-0	-0
QT	5,000	560,000	980,000	1160,000	1160,000	1400,000	-0	-0	-0	-0
X1	40,000	18,000	129,000	775	150,000	900,000	900,000	900,000	-0	-0
GR	713,500	0	707,400	42,000	706,100	50,000	700,600	88,000	700,700	100,000
GR	700,100	129,000	697,500	132,000	697,000	135,000	697,300	138,000	699,700	140,000
GR	699,800	143,000	696,700	146,000	696,600	150,000	696,800	154,000	700,800	160,000
GR	702,300	200,000	712,500	250,000	718,500	300,000	-0	-0	-0	-0
QT	5,000	470,000	830,000	970,000	970,000	1250,000	-0	-0	-0	-0
X1	48,000	14,000	141,000	150	159,000	800,000	800,000	800,000	-0	-0
GR	718,000	0	716,200	11,000	711,100	21,000	710,200	50,000	709,400	54,000
GR	706,600	100,000	706,400	141,000	702,600	144,000	702,400	150,000	702,700	156,000
GR	705,200	159,000	708,600	200,000	717,200	250,000	725,300	300,000	-0	-0
X1	59,000	13,000	111,000	230	125,000	1100,000	1100,000	1100,000	-0	-0
GR	728,500	0	722,400	44,000	719,800	50,000	716,300	81,000	711,000	95,000
GR	710,900	100,000	711,600	105,000	714,600	111,000	714,400	122,000	716,000	125,000
GR	715,600	150,000	717,500	200,000	730,900	250,000	-0	-0	-0	-0
X1	60,200	-0	-0	-0	120,000	120,000	120,000	-0	-0	-0
Y3	-0	-0	-0	-0	-0	-0	-0	718,100	718,100	-0
SB	-0	1,500	3,000	0	6,000	0	42,000	0	-0	-0
X1	61,300	16,000	147,000	150	153,000	110,000	110,000	110,000	-0	-0
X2	-0	-0	1,000	718,100	727,400	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	727,900	727,900	-0
BT	727,000	0	735,000	-0	100,000	728,400	-0	140,000	727,600	-0
BT	146,900	727,400	714,600	147,000	727,400	718,100	152,900	727,400	718,100	153,000
BT	727,400	714,600	160,000	727,500	-0	200,000	728,000	-0	250,000	730,000
BT	-0	300,000	733,700	-0	400,000	744,900	-0	-0	-0	-0
GR	728,500	0	722,400	44,000	719,800	50,000	716,300	81,000	711,000	95,000
GR	710,900	100,000	711,600	105,000	714,600	111,000	714,400	122,000	716,000	140,000
GR	714,600	146,900	711,100	147,000	711,100	152,900	714,600	153,000	716,500	160,000
GR	717,500	200,000	730,900	250,000	731,000	300,000	731,000	400,000	-0	-0
X1	61,400	14,000	137,000	150	164,000	10,000	10,000	10,000	-0	-0
GR	737,300	0	733,400	32,000	727,100	50,000	719,500	100,000	716,700	137,000
GR	712,200	142,000	711,500	150,000	712,100	158,000	718,100	164,000	718,200	200,000
GR	719,500	222,000	727,400	250,000	730,000	260,000	750,000	380,000	-0	-0
X1	64,000	-0	-0	-0	260,000	260,000	260,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	720,500	720,500	-0
SB	-0	1,500	3,000	0	4,700	0	28,250	0	-0	-0
X1	65,000	17,000	247,100	250	252,900	100,000	100,000	100,000	-0	-0
X2	-0	-0	1,000	720,500	725,100	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	725,600	725,600	-0
BT	14,000	0	734,600	-0	50,000	730,600	-0	100,000	727,300	-0
BT	150,000	724,900	-0	200,000	724,200	-0	240,000	725,000	-0	247,100
BT	725,100	717,500	247,900	725,100	719,600	250,000	725,100	720,500	252,000	725,100

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-4 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAX FL OF LOW CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWTD	STENCL	STENCR	VCH
3.20	-0	0	0	672.60	1400.00	681.67	584.09	681.70	324.08	0	0	1.95
3.20	-0	0	0	672.60	1400.00	682.67	568.73	682.72	164.86	140.00	304.86	1.95
10.50	730.00	0	0	672.50	1400.00	682.42	201.61	682.70	271.02	0	0	5.27
10.50	730.00	0	0	672.50	1400.00	683.38	195.85	683.81	74.87	218.38	295.25	5.79
16.00	550.00	0	0	675.67	1280.00	685.17	183.74	685.37	248.87	0	0	4.89
16.00	550.00	0	0	675.67	1280.00	686.21	187.75	686.51	88.34	224.97	313.31	5.24
20.00	400.00	0	0	680.57	1280.00	689.32	104.45	689.94	241.29	0	0	7.84
20.00	400.00	0	0	680.57	1280.00	689.64	78.32	691.18	47.43	202.00	289.63	10.48
24.00	400.00	0	0	685.47	1280.00	694.43	125.01	694.88	243.37	0	0	6.82
24.00	400.00	0	0	685.47	1280.00	696.00	126.70	696.47	60.34	242.00	302.34	6.15
28.00	400.00	0	0	690.50	1280.00	697.08	200.60	697.25	167.13	0	0	4.27
28.00	400.00	0	0	690.50	1280.00	698.17	223.94	698.40	84.04	448.27	554.31	4.47
28.30	30.00	0	0	690.50	1280.00	697.20	222.06	697.35	160.88	0	0	4.08
28.30	30.00	0	0	690.50	1280.00	698.20	235.62	698.50	87.54	447.70	555.33	4.20
30.50	220.00	0	0	686.20	1280.00	698.91	170.42	699.33	14.00	0	0	6.20
30.50	220.00	0	0	686.20	1280.00	700.00	191.14	700.52	14.00	442.00	458.00	5.80
31.00	50.00	0	0	691.40	1280.00	699.62	504.47	699.64	254.36	0	0	2.35
31.00	50.00	0	0	691.40	1280.00	700.58	523.89	700.63	117.92	174.20	292.12	2.44
40.00	900.00	0	0	696.60	1160.00	701.68	72.66	702.60	102.94	0	0	8.60
40.00	900.00	0	0	696.60	1160.00	701.45	54.79	703.24	31.00	129.00	160.00	10.72
48.00	800.00	0	0	702.40	970.00	709.14	162.19	709.35	145.39	0	0	4.48
48.00	800.00	0	0	702.40	970.00	710.07	174.07	710.32	54.20	117.72	173.92	4.58
59.00	1100.00	0	0	710.90	970.00	716.78	68.50	717.20	100.21	0	0	5.69
59.00	1100.00	0	0	710.90	970.00	717.37	56.60	718.30	37.21	97.01	134.22	8.12
60.20	120.00	0	0	710.90	970.00	718.04	140.79	718.19	136.64	0	0	3.56
60.20	120.00	0	0	710.90	970.00	719.14	161.11	719.33	62.34	96.74	159.09	3.99
61.30	110.00	0	0	710.90	970.00	728.24	1884.09	728.28	198.05	0	0	.63
61.30	110.00	0	0	710.90	970.00	729.32	1924.07	729.32	130.66	56.88	191.54	.64
61.40	10.00	0	0	711.50	970.00	728.24	1670.67	728.28	206.46	0	0	.80
61.40	10.00	0	0	711.50	970.00	729.32	1491.79	729.33	110.97	100.39	220.36	.83
64.00	240.00	0	0	711.50	970.00	728.24	1672.89	728.25	206.51	0	0	.80
64.00	260.00	0	0	711.50	970.00	729.33	1493.93	729.33	110.99	100.37	220.37	.83
65.00	100.00	0	0	714.60	970.00	728.35	720.56	728.34	272.22	0	0	1.38
65.00	100.00	0	0	714.60	970.00	729.43	762.23	729.44	161.73	111.52	273.25	1.37
65.40	40.00	0	0	716.30	970.00	728.32	454.15	728.38	148.64	0	0	2.27
65.40	40.00	0	0	716.30	970.00	729.40	468.08	729.47	66.46	150.93	217.39	2.37

SECTION CHANNEL MIN EL OF MAX FL OF MIN EL DISCHARGE CWSL TO EN TOPWD STENCIL STENCIL VCH

NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

72.50 710.00 0 725.10 760.00 732.10 40.30 733.17 61.40 0 8.80

72.50 710.00 0 725.10 760.00 731.68 30.00 733.74 14.03 90.00 113.00 11.54

SECTION DISCHARGE CWSL CWSL DIF CWSL DIF CWSL DIF CWSL DIF CWSL DIF CWSL DIF

NUMBER CFS

3.200 1400.000 481.670 1.000 0 0 326.077 0 0

20.000 1280.000 480.320 0.152 0 0 241.290 0 0

20.000 1280.000 480.643 0.310 0 0 47.631 0 0

24.000 1280.000 490.427 5.104 0 0 243.375 0 0

24.000 1280.000 494.003 4.360 0 0 60.342 0 0

28.000 1280.000 497.074 2.400 0 0 167.120 0 0

28.000 1280.000 498.173 1.097 0 0 84.035 0 0

28.300 1280.000 497.200 0.123 0 0 160.880 0 0

28.300 1280.000 498.287 1.067 0 0 87.530 0 0

30.500 1280.000 498.910 1.715 0 0 16.000 0 0

30.500 1280.000 700.002 1.067 0 0 16.000 0 0

31.000 1280.000 490.618 0.700 0 0 254.350 0 0

31.000 1280.000 700.578 0.960 0 0 137.921 0 0

40.000 1160.000 701.660 2.062 0 0 102.902 0 0

40.000 1160.000 701.452 0.228 0 0 31.001 0 0

48.000 970.000 700.101 7.082 0 0 145.380 0 0

48.000 970.000 710.067 0.905 0 0 54.201 0 0

59.000 970.000 714.770 7.417 0 0 104.211 0 0

59.000 970.000 717.372 0.592 0 0 37.205 0 0

60.200 970.000 718.058 1.270 0 0 136.600 0 0

60.200 970.000 719.141 1.769 0 0 62.345 0 0

61.300 970.000 728.256 10.170 0 0 198.047 0 0

61.300 970.000 729.320 1.083 0 0 134.450 0 0

61.400 970.000 728.235 0.001 0 0 205.454 0 0

61.400 970.000 729.318 0.002 0 0 119.967 0 0

SECTION DISCHARGE CWSL CWSL DIF CWSL DIF CWSL DIF CWSL DIF CWSL DIF

NUMBER CFS

72.500 1000.000 682.410 0.700 0 0 271.420 0 0

730.000 1400.000 683.378 0.950 0 0 76.867 0 0

730.000 1400.000 682.410 0.700 0 0 271.420 0 0

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730.000 1400.000 682.410 0.700 0 0 271.420 0 0

DATA FOR LAST CROSS SECTION
PROFILE TYPE ENC

TARGET TOP WIDTH TOP WIDTH
AREA=ACRES AREA=DIFF

1	0	0	29.002	0
2	4.000	.246	11.000	-17.993

 HEC2 VERSION UPDATED JAN 1974
 ERROR CORRECTIONS 01,02,03,04,05,06,07,0A,09
 MODIFICATIONS 52,53,54,55,56,57,58

Flooded

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB R-4-1 100-YR Q

J1	ICHECK	INC	NINV	TDIR	STRT	METRIC	WVINS	D	WSFL	FG
	0	4	0	0	0	0	0	0	481,830	-0
J2	NPROF	TPLDT	PHFVS	YSECV	XSECH	FK	ALLDC	IRN	CHNTM	TTRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	4,000	27,000	28,000	26,000			
NC	080	040	065	100	300					
QT	5,000	335,000	400,000	700,000	700,000	920,000				
ET	-0	-0	-0	-0	-0	10,400				
X1	10,500	16,000	239,000	250,000	260,000	-0	-0	-0	-0	-0
GR	690,100	0	687,200	50,000	682,900	100,000	680,800	150,000	680,300	200,000
GR	681,200	239,000	672,900	243,000	672,500	250,000	673,100	257,000	681,800	260,000
GR	680,900	300,000	681,300	350,000	683,000	400,000	684,800	450,000	684,100	500,000
GR	690,000	550,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	4,000	15,000	91,000	106,000	106,000	400,000	400,000	400,000	-0	-0
GR	697,500	0	697,600	28,000	694,700	50,000	685,700	82,000	684,200	91,000
GR	680,600	97,000	679,800	100,000	680,500	103,000	684,400	106,000	683,200	150,000
GR	683,400	200,000	684,400	232,000	687,500	250,000	691,700	270,000	693,500	300,000
X1	8,000	0	0	0	400,000	400,000	400,000	-0	5,300	-0
X1	12,000	0	0	0	400,000	400,000	400,000	-0	5,300	-0
X1	16,000	0	0	0	400,000	400,000	400,000	-0	5,300	-0
X1	20,000	0	0	0	400,000	400,000	400,000	-0	5,300	-0
X1	22,000	10,000	94,000	106,000	200,000	200,000	200,000	-0	-0	-0
GR	729,600	0	714,600	50,000	708,300	90,000	705,000	95,000	704,000	100,000
GR	704,300	105,000	707,100	106,000	716,800	150,000	723,600	200,000	729,400	250,000
FJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12649

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

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB R-4-1 FLOODWAY

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	0	MSFL	FD
	-0	5.	-0	-0	-0	-0	-0	-0	682.830	-0
J2	NPRUF	IPL0T	PRFVS	YSECV	XSECV	FN	ALLDC	IR*	LNTH	TIRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12651

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRJB R-4-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EC	TOPWID	STENCI	STENCH	VCH
10.50	-0	0	0	672.50	700.00	681.83	137.03	681.97	200.11	0	0	3.37
10.50	-0	0	0	672.50	700.00	682.83	132.56	683.04	33.12	226.87	260.00	3.71
4.00	400.00	0	0	679.80	700.00	684.56	40.89	685.02	140.03	0	0	7.24
4.00	400.00	0	0	679.80	700.00	685.54	36.26	686.70	35.97	91.00	126.97	9.3A
8.00	400.00	0	0	685.10	700.00	690.50	77.41	690.65	151.60	0	0	4.34
8.00	400.00	0	0	685.10	700.00	691.70	84.39	692.01	61.01	91.00	152.42	4.40
12.00	400.00	0	0	690.40	700.00	695.31	48.42	695.64	145.86	0	0	6.29
12.00	400.00	0	0	690.40	700.00	696.17	41.06	697.03	43.93	91.00	134.03	8.33
16.00	400.00	0	0	695.70	700.00	700.97	70.72	701.17	150.38	0	0	4.67
16.00	400.00	0	0	695.70	700.00	702.28	78.97	702.53	50.24	91.00	150.24	4.75
20.00	400.00	0	0	701.00	700.00	706.00	53.42	706.20	146.92	0	0	5.83
20.00	400.00	0	0	701.00	700.00	706.93	47.22	707.57	47.79	91.00	138.79	7.58
22.00	200.00	0	0	704.00	700.00	709.82	30.48	711.15	30.91	0	0	9.83
22.00	200.00	0	0	704.00	700.00	711.11	44.98	712.37	12.00	94.00	106.00	9.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH S	CWSEL DIFF EACH SECTION	CWSEL-WSFLX	TOPWID	I.W. DIFF	LENGTH
10.500	700.000	681.830	0	0	0	200.112	0	-0
10.500	700.000	682.830	1.000	0	0	33.125	206.987	-0
4.000	700.000	684.555	0	2.725	0	140.032	0	400.000
4.000	700.000	685.535	.980	2.705	0	35.973	109.059	400.000
8.000	700.000	690.500	0	5.945	0	151.601	0	400.000
8.000	700.000	691.790	1.290	6.258	0	61.015	90.186	400.000
12.000	700.000	695.306	0	4.806	0	145.862	0	400.000
12.000	700.000	696.169	.864	4.375	0	43.933	101.929	400.000
16.000	700.000	700.987	0	5.682	0	150.370	0	400.000
16.000	700.000	702.280	1.293	6.311	0	50.240	91.130	400.000
20.000	700.000	706.000	0	5.011	0	146.918	0	400.000
20.000	700.000	706.925	.927	4.645	0	47.780	99.130	400.000
22.000	700.000	709.815	0	3.817	0	34.907	0	200.000
22.000	700.000	711.109	1.294	4.188	0	12.001	22.904	200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	0	7.620	0
2	0.000	.225	0	2.350	-5.270

12653

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

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIS R-4-3 FLOODWAY

J1	TCHECK	IND	NINV	TDIR	STRT	METHIC	HVINS	n	WSFL	FQ
	-0	5.	-0	-0	-0	-0	-0	-0	702.620	-0
J2	NPROP	TPLOT	PRFVS	XSECV	XSFCH	FN	AILDC	IRW	CHNIM	TIRACE
	15.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12644

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIR R=4=3 FLOODWAY

SECTION CHANNEL MIN EL OF MAX FL OF MIN EL DISCHARGE CASEL TO EG TOPAID STENCI STENCH VCH
 NUMBER LENGTH ROADWAY TOP CHORD (CFS)

SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIF	CASEL DIF CASEL-WSEFL	TOPAID	T.M. DIF	LENGTH
40.00	450.000	701.620	0	0	100.914	60.913	-0
40.00	450.000	702.620	1.000	0	31.001	60.913	-0
3.00	450.000	707.992	0	0	51.202	55.514	500.000
3.00	450.000	708.000	0.008	0	15.688	55.514	500.000
7.00	450.000	713.684	0	0	59.354	53.298	400.000
7.00	450.000	714.692	1.004	0	25.032	53.298	400.000
10.00	450.000	716.451	0	0	62.191	32.814	300.000
10.00	450.000	716.957	0.536	0	29.377	32.814	300.000
13.00	450.000	717.658	0	0	42.345	0	300.000
13.00	450.000	718.377	0.719	0	64.764	72.582	300.000

DATA FOR LAST CROSS SECTION

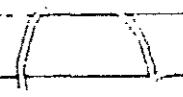
PROFILE TYPE ENC TARGET TOP WIDTH THE WIDTH
 APPA-RCPES AREA-11FF

1	0	2.502	0	-1.515
2	0.000	0.988	0	0

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

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB 9-4-4 FLOODWAY

J1	ICHECK	INC	NINV	IDIR	STPT	METRIC	WVINS	Q	WSFL	FG
	-0	5.	-0	-0	-0	-0	-0	-0	723.770	-0
J2	NPROF	TPLOT	PRFVS	XSECV	YSECH	FN	ALLDC	IRW	CHNIM	TSPACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-4-0 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWTD	STENCL	STENCR	VCH	
61.40		=0	0	0	711.50	560.00	722.77	431.30	722.70	155.10	0	0	1.23
61.40		=0	0	0	711.50	560.00	723.77	441.95	723.70	79.41	117.67	197.09	1.28
3.50	500.00	0	0	717.70	560.00	722.56	28.45	723.72	37.41	0	105.0	0	9.31
3.50	500.00	0	0	717.70	560.00	723.05	26.32	724.50	10.95	95.00	117.00	0	9.64
8.00	450.00	0	0	723.70	560.00	730.28	62.84	730.57	54.40	0	0	0	5.04
8.00	450.00	0	0	723.70	560.00	731.01	65.00	731.38	23.75	88.72	117.00	0	5.17
13.00	500.00	0	0	730.40	560.00	736.44	34.30	737.41	17.79	0	95.0	0	7.91
13.00	500.00	0	0	730.40	560.00	736.68	37.09	737.54	18.26	85.00	108.00	0	7.46

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLY	TOPWTD	T.A. DIFF	LENGTH
61.400	560.000	722.770	0	0	0	155.102	0	-0
61.400	560.000	723.770	1.000	0	0	79.412	75.690	-0
3.500	560.000	722.562	0	-2.208	0	37.410	0	500.000
3.500	560.000	723.054	.492	-7.714	0	10.952	22.458	500.000
8.000	560.000	730.278	0	7.714	0	56.400	0	450.000
8.000	560.000	731.005	.727	7.951	0	23.745	32.655	450.000
13.000	560.000	736.444	0	6.166	0	17.791	0	500.000
13.000	560.000	736.681	.237	5.674	0	18.262	-4.472	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	2.015	0
2	4.000	0	.983	-1.033

 WEC2 VERSION UPDATED JAN 1974
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 52,53,54,55,56,57,58

Floodway
 Method 8.4

T1 GASTONIA N.C.
 T2 FLOOD INSURANCE
 T3 TRIG R-5 100-YR W

J1	JCHECK	INC	MINV	TDIR	STRT	METRIC	AVTMS	C	MSFL	EQ
	0	4	0	0	0	0	0	0	484,600	-0
J2	NPROF	TPLNT	PREVS	YSECV	YSECH	FM	ALLDC	TRW	CUNTM	TIPACE
	1,000	-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
NC	.100	.100	.070	.100	.300	-0	-0	-0	-0	-0
QT	5,000	760,000	1410,000	1760,000	1760,000	2810,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	8,400	-0	-0	-0	-0	-0
X1	995,000	25,000	174,000	199,000	-0	-0	-0	-0	-0	-0
GR	700,000	0	693,500	50,000	688,000	100,000	683,400	150,000	681,900	165,000
GR	681,600	200,000	682,100	212,000	679,300	217,000	681,800	222,000	681,000	250,000
GR	681,300	300,000	681,500	350,000	681,300	376,000	674,000	380,000	673,200	380,000
GR	683,500	395,000	681,000	398,000	681,500	450,000	681,200	500,000	681,200	550,000
GR	689,700	1450,000	690,700	1500,000	692,500	1550,000	695,400	1600,000	700,000	1683,000
X1	17,000	19,000	1080,000	1108,000	1700,000	1700,000	1700,000	-0	-0	-0
GR	688,900	650,000	688,300	700,000	686,500	750,000	687,400	800,000	687,900	850,000
GR	688,400	900,000	687,700	950,000	687,000	1000,000	687,100	1050,000	684,200	1080,000
GR	681,100	1092,000	681,100	1100,000	681,300	1108,000	684,700	1110,000	684,100	1120,000
GR	686,000	1150,000	686,200	1170,000	697,100	1200,000	702,400	1250,000	-0	-0
X1	18,420	-0	-0	-0	142,000	142,000	142,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	482,500	482,500	-0
SB	1,250	1,500	3,000	-0	20,000	-0	168,000	-0	483,400	482,500
X1	19,980	30,000	1040,000	1060,000	156,000	156,000	156,000	-0	-1,600	-0
X2	-0	-0	1,000	691,000	700,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	482,500	482,500	-0
BT	8,000	0	694,800	-0	550,000	603,500	-0	700,000	693,300	-0
BT	800,000	604,000	-0	900,000	695,300	-0	1040,000	690,600	691,000	1060,000
BT	700,400	691,000	1150,000	703,200	-0	-0	-0	-0	-0	-0
GR	705,400	0	705,400	100,000	703,800	150,000	703,700	200,000	703,300	250,000
GR	702,600	300,000	702,000	350,000	701,800	400,000	701,200	450,000	700,500	500,000
GR	700,000	550,000	699,200	600,000	698,500	650,000	698,100	700,000	697,700	750,000
GR	694,900	800,000	695,300	850,000	695,300	900,000	695,600	950,000	693,100	1000,000
GR	687,100	1035,000	682,500	1040,000	682,500	1060,000	686,600	1065,000	680,200	1100,000
GR	691,700	1150,000	693,000	1170,000	702,600	1184,000	702,700	1200,000	705,000	1300,000
X1	20,500	31,000	1035,000	1065,000	52,000	52,000	52,000	-0	-0	-0
GR	705,400	0	705,000	100,000	703,800	150,000	703,700	200,000	703,300	250,000
GR	702,600	300,000	702,000	350,000	701,800	400,000	701,200	450,000	700,500	500,000
GR	700,000	550,000	699,200	600,000	698,500	650,000	698,100	700,000	697,700	750,000
GR	696,900	800,000	695,300	850,000	695,300	900,000	695,600	950,000	693,100	1000,000
GR	687,100	1035,000	683,600	1040,000	682,500	1060,000	683,500	1060,000	686,600	1065,000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R-5 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAY FL OF LOW CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CWSEL	TO	ER	TOPWID	STENCI	STFNCR	VCH
995.00		0	0	673.20	1760.00	684.60	631.89	684.62	769.43	0	0	1.77
995.00		0	0	673.20	1760.00	685.60	793.42	685.62	448.88	258.22	707.10	1.52
17.00	1700.00	0	0	681.10	1760.00	687.65	145.92	688.28	371.05	0.000	0	8.32
17.00	1700.00	0	0	681.10	1760.00	687.94	103.71	689.12	111.55	996.45	1108.00	10.01
18.42	142.00	0	0	681.10	1760.00	688.96	349.64	689.04	527.59	0	0	3.90
18.42	142.00	0	0	681.10	1760.00	689.99	356.22	690.04	334.38	771.61	1108.00	3.32
19.98	156.00	0	0	680.90	1760.00	691.33	394.08	691.52	167.87	0.050	0	4.58
19.98	156.00	0	0	680.90	1760.00	692.35	410.52	692.57	75.12	1035.61	1110.74	4.58
20.50	52.00	0	0	682.50	1760.00	691.34	238.94	691.70	132.50	0.050	0	5.77
20.50	52.00	0	0	682.50	1760.00	692.34	236.41	692.79	47.05	1035.00	1082.05	5.73
26.00	550.00	0	0	683.90	1760.00	693.85	305.22	694.04	144.77	0.000	0	4.60
26.00	550.00	0	0	683.90	1760.00	694.89	304.55	695.12	70.09	87.00	157.09	4.48
42.00	1600.00	0	0	690.60	1760.00	698.17	382.77	698.24	294.86	0.300	0	3.34
42.00	1600.00	0	0	690.60	1760.00	699.04	393.43	699.18	168.13	169.41	335.53	3.58
56.00	400.00	0	0	693.60	1760.00	701.05	108.69	702.10	157.49	0.000	0	9.41
56.00	400.00	0	0	693.60	1760.00	701.15	84.75	703.33	39.80	86.00	125.80	12.00
69.00	1300.00	0	0	703.10	1270.00	711.55	244.50	711.64	213.41	0.000	0	3.80
69.00	1300.00	0	0	703.10	1270.00	712.54	274.77	712.64	104.28	82.10	188.48	3.68
69.50	67.00	0	0	703.10	1270.00	711.73	266.29	711.83	214.05	0	0	3.57
69.50	67.00	0	0	703.10	1270.00	712.69	290.73	712.80	110.26	81.08	191.34	3.50
71.50	200.00	0	0	704.00	1270.00	715.48	76.98	717.05	11.00	0.325	0	10.05
71.50	200.00	0	0	704.00	1270.00	716.44	85.87	717.78	11.00	392.00	403.00	9.28
72.50	100.00	0	0	704.40	1270.00	717.20	1274.43	717.20	476.84	0.405	0	1.97
72.50	100.00	0	0	704.40	1270.00	717.90	1253.41	717.95	278.90	262.40	541.30	1.02
78.00	550.00	0	0	706.80	1270.00	717.34	350.16	717.30	169.00	0.200	0	2.78
78.00	550.00	0	0	706.80	1270.00	718.03	353.52	718.11	101.34	130.60	231.95	2.93
95.00	1700.00	0	0	720.60	1270.00	727.49	72.06	728.40	98.91	0.050	0	10.20
95.00	1700.00	0	0	720.60	1270.00	727.25	59.35	728.73	47.04	134.08	181.51	12.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSPK	TOPWID	T.W. DIFF	LENGTH
995.000	1760.000	684.600	0	0	0	769.430	0	0
995.000	1760.000	685.600	1.000	0	0	448.880	320.550	0
17.000	1760.000	687.647	0	3.047	0	371.050	0	1700.000
17.000	1760.000	687.958	.311	2.358	0	111.550	259.490	1700.000
18.420	1760.000	688.961	0	1.314	0	527.590	0	142.000
18.420	1760.000	689.987	1.026	2.029	0	334.380	191.210	142.000
19.980	1760.000	691.327	0	2.366	0	167.870	0	156.000

19.980	1760.000	692.353	1.026	2.366	0	75.123	92.748	156.000
20.500	1760.000	691.339	0	.012	0	132.505	0	52.000
20.510	1760.000	692.335	.997	-.018	0	47.049	85.455	52.000
26.000	1760.000	693.847	0	2.508	0	146.769	0	550.000
26.000	1760.000	694.893	1.046	2.557	0	70.090	76.675	550.000
42.000	1760.000	698.173	0	4.324	0	294.857	0	1400.000
42.000	1760.000	699.064	.890	4.171	0	166.126	128.731	1600.000
56.000	1760.000	701.047	0	2.873	0	157.480	0	400.000
56.000	1760.000	701.151	.104	2.087	0	39.790	117.690	400.000
69.000	1270.000	711.548	0	10.502	0	213.608	0	1300.000
69.000	1270.000	712.540	.992	11.390	0	106.281	107.327	1300.000
69.500	1270.000	711.729	0	.180	0	216.044	0	67.000
69.500	1270.000	712.688	.959	.147	0	110.262	105.784	67.000
71.500	1270.000	715.484	0	3.755	0	11.000	0	200.000
71.500	1270.000	716.443	.959	3.755	0	11.000	0	200.000
72.500	1270.000	717.239	0	1.755	0	476.843	0	100.000
72.500	1270.000	717.941	.702	1.498	0	278.900	197.943	100.000
78.000	1270.000	717.338	0	.100	0	169.401	0	550.000
78.000	1270.000	718.030	.696	.093	0	101.340	68.057	550.000
95.000	1270.000	727.491	0	10.152	0	98.910	0	1700.000
95.000	1270.000	727.249	-.242	9.215	0	47.434	51.474	1700.000

DATA FOR LAST CROSS SECTION

PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH
AREA-ACRES AREA-DIFF

1	0	0	53.350	0
2	4.000	.333	26.760	-26.599

2	0.	0.	8.980	4.307
3	0.	0.	9.230	4.557
4	0.	0.	10.317	5.640

REC2 VERSION UPDATED JAN 1970
ERROR CORRECTION 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58

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

PROFILE PLOTTED
 5-10-76 BY
 S.P. FLETCHER

CROSS-SECTIONS & FLOOD LINES
 PLOTTED 5-15-76 (OVERTIME WORK)
 ON 1:400 MAP. BY S.P. FLETCHER

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIS R-1, 10 YR Q

J1	ICHECK	INO	NINV	IDIR	START	METRIC	MVIMS	C	WSFL	FO
J1	-0	2.	-0	-0	-0	-0	-0	-0	663.900	-0
J2	NPROF	TPLOT	PREVS	YSECV	YSECH	FA	ALLDC	IRW	CHNIM	TTRACE
J2	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1.000	2.000	3.000	4.000	27.000	28.000	26.000	-0	-0	-0
NC	.100	.100	.090	.100	.300	-0	-0	-0	-0	-0
QT	5.000	750.000	1400.000	1750.000	1750.000	2800.000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10.400	-0	-0	-0	-0	-0
X1	10.400	20.000	630.000	465.000	-0	-0	-0	-0	-0	-0
GR	672.700	0	665.000	50.000	663.400	100.000	662.900	150.000	662.100	200.000
GR	661.500	250.000	662.400	300.000	662.300	350.000	663.300	400.000	664.600	450.000
GR	664.600	500.000	664.100	550.000	663.700	400.000	665.700	425.000	667.700	630.000
GR	658.300	642.000	658.300	458.000	665.900	665.000	667.700	750.000	671.400	800.000
X1	11.000	-0	-0	-0	100.000	100.000	100.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	666.500	666.500	-0
SB	-0	1.500	2.500	200.000	30.000	-0	220.000	0	-0	-0
X1	12.000	15.000	386.000	417.000	100.000	100.000	100.000	-0	-0	-0
X2	-0	-0	1.000	667.000	468.300	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	666.500	666.500	-0
GR	673.400	0	673.300	50.000	671.500	100.000	670.100	150.000	666.800	250.000
GR	665.300	386.000	658.500	395.000	650.500	408.000	665.900	417.000	666.100	450.000
GR	667.800	500.000	667.900	511.000	670.200	520.000	670.000	530.000	671.900	550.000
X1	15.000	0	0	0	500.000	500.000	500.000	-0	3.600	-0
Y1	21.000	10.000	492.000	511.000	600.000	600.000	600.000	-0	-0	-0
GR	685.500	0	671.300	100.000	669.500	200.000	670.300	492.000	665.800	495.000
GR	665.000	505.000	670.900	511.000	671.100	850.000	676.700	700.000	685.200	800.000
X1	30.000	12.000	337.000	360.000	900.000	900.000	900.000	-0	-0	-0
GR	678.500	0	673.500	50.000	672.900	100.000	672.100	200.000	672.600	321.000
GR	676.400	337.000	668.000	350.000	673.500	360.000	672.900	400.000	672.500	450.000
GR	676.400	550.000	679.700	570.000	-0	-0	-0	-0	-0	-0
X1	38.000	9.000	136.000	155.000	800.000	800.000	800.000	-0	-0	-0
GR	664.800	0	660.300	50.000	679.200	100.000	676.200	134.000	671.600	150.000
GR	672.700	154.000	677.300	155.000	678.900	225.000	684.300	250.000	-0	-0
X1	38.200	0	0	0	20.000	20.000	20.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	679.100	679.100	-0
SB	0	1.500	2.500	200.000	30.000	-0	145.000	0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-1 500 YR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAY FL OF LOW CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CWSEL	CPWS	EC	DEPTH	STENCL	STENCR	VCH
10+00 A	10.80	0	0	658.30	750.00	663.90	0	663.90	5.40	0	0	2.20
	10.80	0	0	658.30	1400.00	668.00	0	668.00	9.70	0	0	.50
	10.80	0	0	658.30	1750.00	669.90	0	669.90	11.40	0	0	.40
	10.80	0	0	658.30	2000.00	675.40	0	675.40	17.10	0	0	.37
	11.00	100.00	0	658.30	750.00	664.10	0	664.60	5.89	0	0	5.65
	11.00	100.00	0	658.30	1400.00	668.01	0	668.01	9.71	0	0	.50
	11.00	100.00	0	658.30	1750.00	669.91	0	669.91	11.41	0	0	.40
	11.00	100.00	0	658.30	2000.00	675.40	0	675.40	17.10	0	0	.37
B	12.00	100.00	668.30	667.00	658.50	750.00	665.85	0	666.23	7.35	0	4.90
	12.00	100.00	668.30	667.00	658.50	1400.00	668.68	0	668.75	10.18	0	2.79
	12.00	100.00	668.30	667.00	658.50	1750.00	670.17	0	670.20	11.47	0	2.10
	12.00	100.00	668.30	667.00	658.50	2000.00	675.60	0	675.61	17.10	0	1.02
	15.00	500.00	0	0	662.10	750.00	670.23	0	670.42	8.13	0	3.73
	15.00	500.00	0	0	662.10	1400.00	670.65	0	671.07	8.56	0	5.74
	15.00	500.00	0	0	662.10	1750.00	671.13	0	671.40	9.03	0	5.75
	15.00	500.00	0	0	662.10	2000.00	675.71	0	675.70	17.61	0	2.00
C	21.00	600.00	0	0	665.00	750.00	671.84	0	671.88	4.86	0	1.53
	21.00	600.00	0	0	665.00	1400.00	672.80	0	672.82	7.80	0	1.67
	21.00	600.00	0	0	665.00	1750.00	673.20	0	673.23	8.20	0	1.74
	21.00	600.00	0	0	665.00	2000.00	676.03	0	676.04	11.03	0	1.21
D	30.00	900.00	0	0	668.00	750.00	673.94	0	673.97	5.94	0	2.32
	30.00	900.00	0	0	668.00	1400.00	674.68	0	674.73	6.68	0	2.35
	30.00	900.00	0	0	668.00	1750.00	675.05	0	675.09	7.05	0	2.35
	30.00	900.00	0	0	668.00	2000.00	676.64	0	676.68	8.44	0	1.88
E	38.00	800.00	0	0	671.60	750.00	679.34	0	679.57	7.76	0	4.41
	38.00	800.00	0	0	671.60	1400.00	680.15	0	680.46	8.55	0	5.71
	38.00	800.00	0	0	671.60	1750.00	680.44	670.53	680.81	8.84	0	6.29
	38.00	800.00	0	0	671.60	2000.00	680.33	680.33	681.38	8.73	0	10.58
	38.20	20.00	0	0	671.60	750.00	679.57	0	679.70	7.97	0	3.90
	38.20	20.00	0	0	671.60	1400.00	680.44	0	680.60	8.86	0	5.00
	38.20	20.00	0	0	671.60	1750.00	680.80	0	681.07	9.20	0	5.43
	38.20	20.00	0	0	671.60	2000.00	681.51	0	681.90	9.91	0	6.60
F	39.00	80.00	679.10	677.00	672.30	750.00	679.77	0	679.81	7.87	0	2.10
	39.00	80.00	679.10	677.00	672.30	1400.00	680.71	0	680.77	8.81	0	2.80
	39.00	80.00	679.10	677.00	672.30	1750.00	681.10	0	681.17	8.80	0	3.00
	39.00	80.00	679.10	677.00	672.30	2000.00	681.98	0	682.07	9.88	0	3.65
	39.50	50.00	0	0	672.30	750.00	679.80	0	679.88	7.54	0	2.13
	39.50	50.00	0	0	672.30	1400.00	680.81	0	680.84	8.51	0	2.71
	39.50	50.00	0	0	672.30	1750.00	681.21	0	681.27	8.91	0	2.94
	39.50	50.00	0	0	672.30	2000.00	682.11	0	682.10	9.81	0	3.51

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAY FL OF LOW CHORD	MTN EI GROUND	DISCHARGE (CFS)	CASEL	CRIMS	EG	DEPTH	STENGL	STENCR	VCH
48.00	850.00		0	676.10	750.00	681.91	0	682.14	8.41	0	0	4.74
48.00	650.00		0	676.10	1400.00	683.23	0	683.47	7.13	0	0	4.78
48.00	850.00		0	676.10	1750.00	683.72	0	683.91	7.43	0	0	4.77
48.00	850.00		0	676.10	2800.00	684.39	0	685.05	8.79	0	0	4.90
56.00	800.00		0	678.50	750.00	686.75	0	686.82	8.25	0	0	2.74
56.00	800.00		0	678.50	1400.00	687.72	0	687.82	8.23	0	0	3.28
56.00	800.00		0	678.50	1750.00	688.12	0	688.22	9.42	0	0	3.52
56.00	800.00		0	678.50	2800.00	689.12	0	689.27	10.42	0	0	4.06
60.00	400.00		0	680.25	750.00	688.45	0	688.52	8.20	0	0	2.81
60.00	400.00		0	680.25	1400.00	689.52	0	689.61	8.27	0	0	3.23
60.00	400.00		0	680.25	1750.00	689.98	0	690.08	8.73	0	0	3.40
60.00	400.00		0	680.25	2800.00	691.00	0	691.22	10.84	0	0	3.81
64.00	400.00		0	682.50	750.00	689.62	0	689.65	7.12	0	0	2.08
64.00	400.00		0	682.50	1400.00	690.71	0	690.75	8.21	0	0	2.34
64.00	400.00		0	682.50	1750.00	691.18	0	691.22	8.48	0	0	2.44
64.00	400.00		0	682.50	2800.00	692.32	0	692.37	8.82	0	0	2.68
70.00	800.00		0	684.40	750.00	691.61	0	691.77	7.21	0	0	3.94
70.00	800.00		0	684.40	1400.00	692.62	0	692.75	8.22	0	0	4.03
70.00	800.00		0	684.40	1750.00	693.04	0	693.17	8.44	0	0	4.07
70.00	800.00		0	684.40	2800.00	694.10	0	694.22	9.70	0	0	4.10
76.00	800.00		0	686.60	750.00	694.40	0	694.57	7.84	0	0	2.64
76.00	800.00		0	686.60	1400.00	695.39	0	695.45	8.78	0	0	3.04
76.00	800.00		0	686.60	1750.00	695.77	0	695.85	8.17	0	0	3.22
76.00	800.00		0	686.60	2800.00	696.75	0	696.85	10.15	0	0	3.57
81.00	500.00		0	688.80	750.00	696.31	0	696.41	7.51	0	0	3.20
81.00	500.00		0	688.80	1400.00	697.30	0	697.30	8.50	0	0	3.50
81.00	500.00		0	688.80	1750.00	697.71	0	697.81	8.91	0	0	3.60
81.00	500.00		0	688.80	2800.00	698.72	0	698.80	9.93	0	0	3.82
86.00	300.00		0	692.10	750.00	697.32	0	697.37	5.23	0	0	2.12
86.00	300.00		0	692.10	1400.00	698.30	0	698.44	4.29	0	0	2.76
86.00	300.00		0	692.10	1750.00	698.84	0	698.92	4.74	0	0	2.95
86.00	300.00		0	692.10	2800.00	699.92	0	700.00	7.82	0	0	3.52
87.00	300.00		0	695.20	750.00	698.74	0	699.02	2.54	0	0	5.42
87.00	300.00		0	695.20	1400.00	699.90	0	700.12	4.70	0	0	4.90
87.00	300.00		0	695.20	1750.00	700.39	0	700.61	5.19	0	0	5.03
87.00	300.00		0	695.20	2800.00	701.57	0	701.82	4.17	0	0	5.28
90.50	350.00		0	698.70	750.00	703.02	0	703.12	8.23	0	0	3.24
90.50	350.00		0	698.70	1400.00	703.82	0	703.97	5.12	0	0	4.12
90.50	350.00		0	698.70	1750.00	704.19	0	704.37	5.49	0	0	4.45
90.50	350.00		0	698.70	2800.00	705.15	0	705.30	4.05	0	0	5.14

SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIFF EACH S	CASEL DIFF EACH SECTION	CASEL-WSFLX	TOPWID	T.W. DIFF	LENGTH
10.800	750.000	661.900	0	0	0	0	0	100.000
10.800	1400.000	668.000	4.100	0	0	0	0	100.000
10.800	1750.000	669.900	1.900	0	0	0	0	100.000
10.800	2800.000	675.400	5.500	0	0	0	0	100.000
11.000	750.000	664.191	0	.291	0	0	0	100.000
11.000	1400.000	668.011	3.820	.011	0	0	0	100.000
11.000	1750.000	669.906	1.890	.006	0	0	0	100.000

11.000	2400.000	675.402	5.496	.002	0	0	0	0	100.000
12.000	750.000	665.852	0	1.661	0	0	0	0	100.000
12.000	1400.000	665.685	2.233	.672	0	0	0	0	100.000
12.000	1750.000	670.164	1.482	.261	0	0	0	0	100.000
12.000	2500.000	675.600	5.432	.198	0	0	0	0	100.000
15.000	750.000	670.231	0	0.370	0	0	0	0	500.000
15.000	1000.000	670.458	0.027	1.972	0	0	0	0	500.000
15.000	1750.000	671.120	0.071	1.962	0	0	0	0	500.000
15.000	2800.000	675.709	0.580	.100	0	0	0	0	500.000
21.000	750.000	671.861	0	1.430	0	0	0	0	400.000
21.000	1400.000	672.802	.992	2.105	0	0	0	0	400.000
21.000	1750.000	673.200	.001	2.075	0	0	0	0	400.000
21.000	2800.000	674.025	2.821	.314	0	0	0	0	400.000
30.000	750.000	673.937	0	2.074	0	0	0	0	900.000
30.000	1000.000	674.482	.727	1.880	0	0	0	0	900.000
30.000	1750.000	675.047	.260	1.842	0	0	0	0	900.000
30.000	2800.000	676.430	1.592	.610	0	0	0	0	900.000
38.000	750.000	679.354	0	5.420	0	0	0	0	800.000
38.000	1400.000	680.151	.795	5.468	0	0	0	0	800.000
38.000	1750.000	680.000	.092	5.197	0	0	0	0	800.000
38.000	2800.000	680.322	-1.115	3.490	0	0	0	0	800.000
38.200	750.000	679.568	0	.212	0	0	0	0	20.000
38.200	1000.000	680.460	.892	.300	0	0	0	0	20.000
38.200	1750.000	680.802	.302	.150	0	0	0	0	20.000
38.200	2800.000	681.500	.705	1.180	0	0	0	0	20.000
39.000	750.000	679.770	0	.204	0	0	0	0	50.000
39.000	1000.000	680.710	.040	.250	0	0	0	0	50.000
39.000	1750.000	681.105	.391	.302	0	0	0	0	50.000
39.000	2800.000	681.981	.876	.072	0	0	0	0	50.000
39.500	750.000	679.840	0	.064	0	0	0	0	50.000
39.500	1000.000	680.802	.065	.092	0	0	0	0	50.000
39.500	1750.000	681.204	.001	.101	0	0	0	0	50.000
39.500	2800.000	682.100	.902	.128	0	0	0	0	50.000
48.000	750.000	681.908	0	2.068	0	0	0	0	45.000
48.000	1000.000	682.232	1.325	2.028	0	0	0	0	45.000
48.000	1750.000	682.720	.494	2.021	0	0	0	0	45.000
48.000	2800.000	680.884	1.157	2.774	0	0	0	0	45.000
54.000	750.000	684.750	0	0.844	0	0	0	0	400.000
54.000	1000.000	687.728	.070	0.490	0	0	0	0	400.000
54.000	1750.000	688.120	.394	0.295	0	0	0	0	400.000
54.000	2800.000	689.120	1.000	0.238	0	0	0	0	400.000
60.000	750.000	688.408	0	1.495	0	0	0	0	400.000
60.000	1000.000	689.521	1.072	1.792	0	0	0	0	400.000
60.000	1750.000	689.978	.057	1.792	0	0	0	0	400.000
60.000	2500.000	691.091	1.112	1.997	0	0	0	0	400.000
68.000	750.000	689.420	0	1.171	0	0	0	0	400.000
68.000	1000.000	690.711	1.092	1.191	0	0	0	0	400.000
68.000	1750.000	691.177	.064	1.200	0	0	0	0	400.000
68.000	2500.000	692.310	1.071	1.228	0	0	0	0	400.000
70.000	750.000	691.402	0	1.082	0	0	0	0	400.000
70.000	1000.000	692.414	1.008	1.005	0	0	0	0	400.000
70.000	1750.000	692.902	.027	1.864	0	0	0	0	400.000
70.000	2400.000	694.102	1.060	1.780	0	0	0	0	400.000

76,000	750,000	694,445	0	2,836	0	0	0	400,000
76,000	1400,000	695,377	.933	2,761	0	0	0	400,000
76,000	1750,000	695,774	.397	2,731	0	0	0	400,000
76,000	2800,000	696,751	.977	2,648	0	0	0	400,000
81,000	750,000	698,308	0	1,860	0	0	0	500,000
81,000	1400,000	697,290	.990	1,921	0	0	0	500,000
81,000	1750,000	697,714	.415	1,940	0	0	0	500,000
81,000	2800,000	698,726	1.012	1,975	0	0	0	500,000
84,000	750,000	697,332	0	1,023	0	0	0	300,000
84,000	1400,000	698,392	1.060	1,094	0	0	0	300,000
84,000	1750,000	698,836	.444	1,122	0	0	0	300,000
84,000	2800,000	699,918	1.082	1,192	0	0	0	300,000
87,000	750,000	698,740	0	1,413	0	0	0	300,000
87,000	1400,000	699,902	1.158	1,510	0	0	0	300,000
87,000	1750,000	700,386	.484	1,550	0	0	0	300,000
87,000	2800,000	701,565	1.179	1,647	0	0	0	300,000
90,500	750,000	703,031	0	4,287	0	0	0	350,000
90,500	1400,000	703,818	.787	3,916	0	0	0	350,000
90,500	1750,000	704,195	.376	3,808	0	0	0	350,000
90,500	2800,000	705,153	.958	3,588	0	0	0	350,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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1	0	0	47,695	0
2	0	0	59,575	11,880
3	0	0	62,602	14,907
4	0	0	72,860	20,765

 HEC2 VERSION UPDATED JAN 1974
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 52,53,54,55,56,57,58

PROFILE PLOTTED
 5-7-76 BY
 S.P. FLETCHER

CROSS-SECTIONS & FLOOD LINES
 PLOTTED 5-15-76 (OVERTIME WORK)
 ON 1:400 MAP. S.P. FLETCHER

T1	T2	T3													
			J1	TCHK	TNO	NINV	TDIR	STRT	METRIC	POINTS	Q	MSFL	FU		
			J2	NPROF	TPIOT	PREVS	YSECV	YSECH	EN	TAIL DC	IRL	CHNTM	TTRAC		
			0	2	0	0	0	0	0	0	0	472.860	-0		
			1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0		
NC	.045	.045	.045	.100	.300	.100	.100	.100	.100	.100	.100	.100	.100		
DT	5.000	540.000	1020.000	1200.000	1200.000	1550.000									
X1	923.000	74.000	950.000	997.000	0	0	0	0	0	0	0	0	0		
GR	680.000	60.000	673.000	250.000	471.500	300.000	471.000	350.000	470.400	400.000	470.400	400.000	400.000		
GR	670.500	450.000	669.500	500.000	470.600	450.000	471.100	400.000	471.000	700.000	471.000	400.000	400.000		
GR	671.700	750.000	670.800	800.000	470.600	850.000	471.100	800.000	472.500	950.000	472.500	800.000	800.000		
GR	662.600	960.000	661.400	977.000	668.400	993.000	670.900	997.000	672.400	1010.000	672.400	1000.000	1000.000		
GR	671.000	1050.000	670.500	1100.000	670.600	1150.000	670.600	1200.000	671.000	1250.000	671.000	1200.000	1200.000		
GR	670.000	1350.000	669.200	1400.000	669.600	1450.000	669.600	1550.000	670.200	1600.000	670.200	1550.000	1550.000		
GR	670.300	1730.000	672.600	1745.000	675.000	1791.000	680.000	1820.000							
DT	5.000	540.000	1020.000	1200.000	1200.000	1550.000									
NC	.100	.100	.100	.100	.300	.100	.100	.100	.100	.100	.100	.100	.100		
X1	10.300	17.000	250.000	250.000	1330.000	1330.000	1330.000	1330.000	-0	-0	-0	-0	-0		
GR	680.600	0	673.600	50.000	673.000	44.000	672.100	100.000	671.800	150.000	671.800	100.000	100.000		
GR	672.200	200.000	672.500	250.000	670.800	300.000	671.900	350.000	670.500	400.000	670.500	400.000	400.000		
GR	670.500	450.000	670.900	500.000	675.200	550.000	675.600	600.000	676.500	650.000	676.500	600.000	600.000		
GR	679.000	700.000	686.000	750.000	-0	-0	-0	-0	-0	-0	-0	-0	-0		
X1	10.600	-0	-0	-0	30.000	30.000	30.000	30.000	-0	-0	-0	-0	-0		
X1	13.100	10.000	596.000	604.000	250.000	250.000	250.000	250.000	-0	-0	-0	-0	-0		
GR	687.000	0	677.100	100.000	674.700	150.000	673.400	200.000	672.500	250.000	672.500	200.000	200.000		
GR	672.700	300.000	673.200	350.000	674.000	400.000	674.500	450.000	674.300	500.000	674.300	450.000	450.000		
GR	674.600	550.000	674.900	596.000	673.900	697.000	673.800	600.000	670.000	603.000	670.000	600.000	600.000		
GR	674.900	600.000	674.700	650.000	676.500	700.000	692.600	750.000							
Y1	17.000	0	0	0	400.000	400.000	400.000	400.000	-0	2.000	-0	-0	-0		
X1	21.000	0	0	0	400.000	400.000	400.000	400.000	-0	2.000	-0	-0	-0		
X1	26.000	17.000	295.000	305.000	490.000	490.000	490.000	490.000	-0	-0	-0	-0	-0		
GR	700.000	0	696.100	100.000	690.800	150.000	686.000	174.000	689.200	200.000	689.200	174.000	174.000		
GR	683.500	250.000	682.800	295.000	678.800	297.000	678.700	300.000	679.500	303.000	679.500	300.000	300.000		
GR	681.400	305.000	682.700	350.000	682.900	400.000	684.300	450.000	685.100	500.000	685.100	450.000	450.000		
GR	685.300	514.000	702.000	550.000	-0	-0	-0	-0	-0	-0	-0	-0	-0		
X1	26.250	-0	-0	-0	25.000	25.000	25.000	25.000	-0	-0	-0	-0	-0		
X3	10.000	-0	-0	-0	-0	-0	-0	-0	483.700	483.700	483.700	483.700	483.700		
SB	0	1.500	3.000	0	2.400	0	7.100	0	-0	-0	-0	-0	-0		

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

477 0950

TRIB R-2 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CASE1	CPIWS	EC	TOPWTD	10K*8	TIME	VOL
923.00		0	0	641.40	580.00	672.84	0	672.84	1495.32	.07	0	0
923.00		0	0	641.40	1020.00	675.02	0	675.02	1597.02	.07	0	0
923.00		0	0	641.40	1200.00	676.00	0	676.00	1622.23	.07	0	0
923.00		0	0	641.40	1550.00	684.24	0	684.24	1760.00	.00	0	0
10.30	1330.00		0	670.80	580.00	672.80	0	672.92	304.28	210.70	.16	58.70
10.30	1330.00		0	670.80	1020.00	675.02	0	675.10	487.34	10.01	.48	123.67
10.30	1330.00		0	670.80	1200.00	676.00	0	676.01	587.29	5.04	.47	153.94
10.30	1330.00		0	670.80	1550.00	684.24	0	684.24	734.03	.00	1.70	457.60
10.60	30.00		0	670.80	580.00	673.23	0	673.24	321.74	69.24	.17	59.02
10.60	30.00		0	670.80	1020.00	675.11	0	675.13	491.12	9.75	.39	124.32
10.60	30.00		0	670.80	1200.00	676.02	0	676.03	587.75	5.06	.48	155.03
10.60	30.00		0	670.80	1550.00	684.24	0	684.24	734.03	.00	1.74	462.54
A 13.10	250.00		0	672.50	580.00	674.71	0	674.71	429.07	50.73	.22	61.37
13.10	250.00		0	672.50	1020.00	675.50	0	675.52	532.77	29.27	.44	129.80
13.10	250.00		0	672.50	1200.00	676.21	0	676.22	573.20	13.22	.55	163.02
13.10	250.00		0	672.50	1550.00	684.24	0	684.24	694.06	.13	2.02	501.52
17.00	400.00		0	674.50	580.00	676.72	0	676.75	432.47	49.71	.30	65.33
17.00	400.00		0	674.50	1020.00	677.12	0	677.14	520.45	61.07	.51	136.60
17.00	400.00		0	674.50	1200.00	677.21	0	677.24	520.26	70.40	.61	171.82
17.00	400.00		0	674.50	1550.00	684.27	0	684.27	670.10	.27	2.39	554.10
21.00	400.00		0	676.50	580.00	678.72	0	678.75	430.49	50.27	.38	69.30
21.00	400.00		0	676.50	1020.00	679.24	0	679.30	524.21	46.92	.59	142.72
21.00	400.00		0	676.50	1200.00	679.40	0	679.42	534.20	44.65	.48	178.61
21.00	400.00		0	676.50	1550.00	684.29	0	684.29	643.26	.70	2.45	594.37
26.00	400.00		0	678.70	580.00	683.52	483.28	683.63	170.76	311.24	.42	72.71
26.00	400.00		0	678.70	1020.00	684.03	483.73	684.33	227.66	356.34	.62	148.15
26.00	400.00		0	678.70	1200.00	684.13	483.91	684.47	230.21	306.13	.71	184.74
B 26.00	400.00		0	678.70	1550.00	684.05	484.05	684.71	230.42	777.30	2.47	616.89
26.25	25.00		0	678.70	580.00	684.15	0	684.22	240.52	90.31	.42	72.85
26.25	25.00		0	678.70	1020.00	684.62	0	684.72	270.97	102.52	.62	148.35
26.25	25.00		0	678.70	1200.00	684.85	0	684.94	292.27	106.71	.71	184.92
26.25	25.00		0	678.70	1550.00	685.20	0	685.32	320.52	102.92	2.48	617.14
27.25	100.00	674.45	672.45	678.70	580.00	688.45	0	688.44	352.11	.44	.51	75.32
27.25	100.00	674.45	672.45	678.70	1020.00	688.92	0	688.92	362.08	1.00	.68	151.20
27.25	100.00	674.45	672.45	678.70	1200.00	689.14	0	689.17	363.48	1.24	.76	187.94
27.25	100.00	674.45	672.45	678.70	1550.00	689.44	0	689.47	365.75	1.80	2.72	620.37
29.50	225.00		0	681.20	580.00	688.47	0	688.40	180.14	9.45	.57	81.57
29.50	225.00		0	681.20	1020.00	689.01	0	689.05	182.70	17.70	.72	158.20
29.50	225.00		0	681.20	1200.00	689.20	0	689.25	190.32	20.81	.80	195.24
29.50	225.00		0	681.20	1550.00	689.52	0	689.50	192.07	26.90	2.75	628.02

SECTION NUMBER	DISCHARGE CFS	CASE1 #	CASE1 DIFF EACH Q	CASE1 DIFF EACH SECTION	CASE1-WSFLY	TOPWTD	T.W. DIFF	LENGTH
923.000	580.000	672.860	0	0	0	1495.317	0	0
923.000	1020.000	675.080	2.220	0	0	1597.921	-102.604	0

923.000	1200.000	676.000	.920	0	0	1628.220	-132.912	0
923.000	1550.000	684.260	8.260	0	0	1760.001	-264.684	0
10.300	580.000	672.840	0	-.020	0	304.280	0	1330.000
10.300	1020.000	675.083	2.242	.003	0	487.340	-183.060	1330.000
10.300	1200.000	676.003	.920	.003	0	583.293	-279.010	1330.000
10.300	1550.000	684.260	8.257	.000	0	736.028	-431.740	1330.000
10.600	580.000	673.226	0	.385	0	321.737	0	30.000
10.600	1020.000	675.113	1.887	.030	0	491.121	-169.380	30.000
10.600	1200.000	676.018	.905	.015	0	583.740	-262.013	30.000
10.600	1550.000	684.260	8.243	.000	0	736.030	-414.293	30.000
13.100	580.000	674.700	0	1.083	0	420.060	0	250.000
13.100	1020.000	675.498	.780	.385	0	538.768	-109.690	250.000
13.100	1200.000	676.206	.708	.188	0	573.194	-140.128	250.000
13.100	1550.000	684.263	8.057	.003	0	696.457	-267.388	250.000
17.000	580.000	674.718	0	2.000	0	432.672	0	400.000
17.000	1020.000	677.121	.403	1.623	0	520.650	-87.982	400.000
17.000	1200.000	677.211	.091	1.006	0	524.861	-92.190	400.000
17.000	1550.000	684.270	7.058	.007	0	670.102	-237.430	400.000
21.000	580.000	678.718	0	1.090	0	430.685	0	400.000
21.000	1020.000	679.261	.543	2.140	0	526.810	-96.120	400.000
21.000	1200.000	679.442	.181	2.231	0	536.197	-105.512	400.000
21.000	1550.000	684.285	4.843	.016	0	643.863	-213.178	400.000
26.000	580.000	683.578	0	0.860	0	170.758	0	490.000
26.000	1020.000	684.025	.447	0.760	0	227.658	-47.900	490.000
26.000	1200.000	684.133	.108	0.691	0	239.200	-50.451	490.000
26.000	1550.000	684.052	-.080	-.233	0	230.610	-50.861	490.000
26.250	580.000	684.145	0	.567	0	240.517	0	25.000
26.250	1020.000	684.679	.533	.650	0	279.071	-30.450	25.000
26.250	1200.000	684.849	.170	.716	0	292.873	-52.357	25.000
26.250	1550.000	685.201	.352	1.140	0	320.583	-80.067	25.000
27.250	580.000	688.455	0	0.300	0	358.108	0	100.000
27.250	1020.000	688.977	.522	0.298	0	362.080	-3.972	100.000
27.250	1200.000	689.161	.180	0.312	0	363.483	-5.376	100.000
27.250	1550.000	689.458	.297	0.256	0	365.740	-7.641	100.000
29.500	580.000	688.460	0	.015	0	180.145	0	225.000
29.500	1020.000	689.010	.541	.034	0	188.703	-4.558	225.000
29.500	1200.000	689.203	.192	.042	0	190.325	-6.180	225.000
29.500	1550.000	689.517	.314	.050	0	192.965	-8.821	225.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	43.405	0
2	0	0	51.340	7.935
3	0	0	50.090	10.745
4	0	0	62.337	18.247

 MEC2 VERSION UPDATED JAN 1974
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 52,53,54,55,56,57,58

PROFILE PLOTTED | CROSS-SECTION & FLOOD LINES
 5-10-76 BY | PLOTTED 5-17-76 ON 1:400 MAP.
 S.P. FLETCHER | S.P. FLETCHER

T1	GASTONIA N C										
T2	FLOOD INSURANCE										
T3	TRIB R-4 10-YR U										
J1	TCHECK	INQ	MINV	IDTR	STPT	METRIC	HVINS	Q	WSFL	EQ	
	0	2	0	0	0	0	0	0	681,670	-0	
J2	NPROF	TPIGT	PREVS	YSFCV	YSFCH	FA	ALLOC	IRW	CUNIM	TTRACE	
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0	
NC	.100	.040	.060	.100	.300		-0		-0	-0	-0
QT	5,000	650,000	1200,000	1400,000	1400,000	2000,000			-0	-0	-0
X1	3,200	16,000	140,000	160,000		-0			-0	-0	-0
GR	699,300	0	680,900	50,000	679,300	54,000	678,600	100,000	677,900	160,000	
GR	672,500	142,000	672,500	150,000	672,700	158,000	679,100	160,000	677,900	200,000	
GR	678,400	250,000	678,200	300,000	678,600	350,000	685,000	400,000	690,000	450,000	
GR	700,000	500,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
X1	10,500	16,000	239,000	260,000	730,000	730,000	730,000		-0	-0	-0
GR	690,100	0	687,200	50,000	682,900	100,000	680,800	150,000	680,300	200,000	
GR	681,200	239,000	672,900	242,000	672,500	250,000	673,100	257,000	681,800	260,100	
GR	680,900	300,000	681,300	350,000	683,000	400,000	684,800	450,000	684,100	500,000	
GR	690,000	550,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
QT	5,000	640,000	1220,000	1280,000	1280,000	1720,000			-0	-0	-0
X1	16,000	15,000	242,000	258,000	550,000	550,000	550,000		-0	22,470	-0
GR	672,500	0	667,000	100,000	661,400	127,000	661,200	157,000	661,200	200,000	
GR	660,400	242,000	654,500	246,000	653,200	250,000	653,500	254,000	661,300	258,000	
GR	661,000	300,000	660,700	350,000	661,100	361,000	668,300	400,000	672,400	450,000	
X1	20,000	-0	-0	-0	300,000	400,000	400,000		-0	4,900	-0
X1	24,000	-0	-0	-0	400,000	400,000	400,000		-0	4,900	-0
X1	28,000	25,000	488,000	516,000	400,000	400,000	400,000		-0	-0	-0
GR	716,000	0	714,700	50,000	714,400	72,000	706,800	77,000	705,400	100,000	
GR	704,700	150,000	700,900	200,000	700,000	250,000	697,700	300,000	700,800	350,000	
GR	699,300	400,000	693,700	450,000	692,800	488,000	690,800	493,000	690,500	500,000	
GR	691,000	507,000	697,600	516,000	694,100	550,000	695,900	590,000	703,100	607,000	
GR	704,700	650,000	704,600	700,000	705,400	750,000	707,600	800,000	709,800	850,000	
X1	28,300	-0	-0	-0	30,000	30,000	30,000		-0	-0	-0
X3	-0	-0	-0	-0	-0	-0	-0		694,200	694,200	-0
SB	1,250	1,500	3,000	0	17,000	1,000	128,000		-0	-0	-0
X1	30,500	30,000	442,000	458,000	220,000	220,000	220,000		-0	-0	-0
X2	-0	-0	1,000	694,200	715,700		-0		-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0		716,200	716,200	-0
BT	11,000	0	721,500	-0	100,000	718,000	-0		200,000	715,500	-0
BT	300,000	715,600	0	442,000	715,700	690,200	442,000		715,700	694,200	458,000

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

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB R-4 100-YR W

J1	TCHECK	IND	NINV	JOIR	STRT	METRIC	WVINS	0	WSEL	FG
	0	4.	0	0	0	0	0	0	680.450	-0
J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	TTRACE
	3.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R-4

500-YR W

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	CPINS	EC	TOP+TD	10K+5	TIME	VOL
3.20	-0	0	0	672.60	680.00	681.67	0	681.68	324.08	1.34	0	0
3.20	-0	0	0	672.60	1200.00	683.78	0	683.70	348.29	.93	0	0
3.20	-0	0	0	672.60	1400.00	684.45	0	684.44	355.35	.87	0	0
3.20	-0	0	0	672.60	2000.00	686.50	0	686.51	380.22	.67	0	0
10.50	730.00	0	0	672.50	480.00	681.83	0	681.97	240.11	22.30	.07	12.11
10.50	730.00	0	0	672.50	1200.00	683.90	0	683.45	334.79	7.42	.13	23.15
10.50	730.00	0	0	672.50	1400.00	684.54	0	684.60	390.80	5.63	.15	27.13
10.50	730.00	0	0	672.50	2000.00	686.58	0	686.60	463.78	2.52	.19	40.90
16.00	550.00	0	0	675.67	640.00	683.70	481.30	684.31	223.71	100.80	.10	15.20
16.00	550.00	0	0	675.67	1120.00	684.62	0	684.97	243.17	82.80	.17	31.32
16.00	550.00	0	0	675.67	1280.00	685.11	0	685.32	248.26	52.51	.19	37.58
16.00	550.00	0	0	675.67	1720.00	686.80	0	686.88	265.63	15.22	.27	59.74
20.00	400.00	0	0	680.57	640.00	688.30	684.21	689.15	108.23	143.10	.11	16.45
20.00	400.00	0	0	680.57	1120.00	689.17	680.17	689.82	230.70	142.89	.19	34.17
20.00	400.00	0	0	680.57	1280.00	689.35	680.35	689.94	241.55	138.77	.21	41.10
20.00	400.00	0	0	680.57	1720.00	689.40	680.60	690.32	240.14	168.80	.28	55.63
24.00	400.00	0	0	685.47	640.00	693.55	691.11	694.11	212.09	107.67	.13	17.62
24.00	400.00	0	0	685.47	1120.00	694.24	0	694.72	241.61	105.24	.21	36.85
24.00	400.00	0	0	685.47	1280.00	694.40	0	694.87	243.13	108.74	.24	44.24
24.00	400.00	0	0	685.47	1720.00	694.91	0	695.30	248.29	94.53	.31	69.52
28.00	400.00	0	0	690.50	640.00	696.02	0	696.10	143.54	28.30	.18	19.67
28.00	400.00	0	0	690.50	1120.00	696.88	0	697.01	162.24	35.28	.25	40.26
28.00	400.00	0	0	690.50	1280.00	697.02	0	697.26	167.41	36.88	.27	47.99
28.00	400.00	0	0	690.50	1720.00	697.57	0	697.78	178.11	43.16	.34	74.22
28.30	30.00	0	0	690.50	640.00	696.11	0	696.22	145.57	25.48	.18	19.80
28.30	30.00	0	0	690.50	1120.00	696.97	0	697.12	160.84	31.50	.25	40.54
28.30	30.00	0	0	690.50	1280.00	697.21	0	697.34	170.13	32.89	.27	48.32
28.30	30.00	0	0	690.50	1720.00	697.71	0	697.90	180.50	37.91	.34	74.61
30.50	220.00	715.70	690.20	686.20	640.00	696.44	0	696.60	14.00	26.00	.20	21.00
30.50	220.00	715.70	690.20	686.20	1120.00	698.23	0	698.74	14.00	50.48	.26	42.18
30.50	220.00	715.70	690.20	686.20	1280.00	698.93	0	699.50	14.00	56.24	.28	50.07
30.50	220.00	715.70	690.20	686.20	1720.00	701.11	0	701.92	14.00	65.31	.35	76.67
31.00	50.00	0	0	691.40	640.00	696.73	0	696.83	158.52	23.90	.20	21.38
31.00	50.00	0	0	691.40	1120.00	698.84	0	698.80	230.18	9.04	.27	42.73
31.00	50.00	0	0	691.40	1280.00	699.63	0	699.67	250.54	6.38	.29	50.73
31.00	50.00	0	0	691.40	1720.00	702.01	0	702.03	297.81	2.62	.36	77.73
40.00	900.00	0	0	696.60	560.00	700.80	0	701.38	73.43	187.98	.24	25.93
40.00	900.00	0	0	696.60	980.00	701.37	701.37	702.34	92.48	247.63	.30	52.15
40.00	900.00	0	0	696.60	1160.00	701.68	701.68	702.60	102.04	254.84	.32	62.47
40.00	900.00	0	0	696.60	1490.00	702.17	702.17	703.10	110.35	234.60	.40	96.81

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEI	CPIWS	EG	TOPWID	10K+S	TIME	VOL
48.00	800.00		0	702.40	870.00	707.77	0	707.92	108.28	40.95	.31	28.56
48.00	800.00		0	702.40	830.00	708.84	0	709.05	138.87	35.48	.37	56.50
48.00	800.00		0	702.40	970.00	709.14	0	709.35	145.39	35.77	.39	67.47
48.00	800.00		0	702.40	1250.00	709.65	0	709.84	157.29	37.27	.46	102.98
59.00	1100.00		0	710.90	870.00	715.39	0	716.08	50.00	171.52	.38	32.28
59.00	1100.00		0	710.90	830.00	716.52	0	716.97	95.10	207.85	.43	62.75
59.00	1100.00		0	710.90	970.00	716.78	0	717.20	101.21	200.54	.45	74.57
59.00	1100.00		0	710.90	1250.00	717.25	0	717.68	120.98	181.01	.52	111.67
60.20	120.00		0	710.90	870.00	716.49	0	716.98	108.28	40.45	.40	32.72
60.20	120.00		0	710.90	830.00	717.80	0	717.91	133.36	41.32	.44	63.42
60.20	120.00		0	710.90	970.00	718.06	0	718.18	138.44	41.94	.46	75.33
60.20	120.00		0	710.90	1250.00	718.50	0	718.65	142.27	43.57	.53	112.59
61.30	110.00	727.40	718.10	711.10	470.00	717.35	0	719.81	4.00	573.51	.40	33.03
61.30	110.00	727.40	718.10	711.10	830.00	725.40	0	726.80	4.00	203.80	.45	63.94
61.30	110.00	727.40	718.10	711.10	970.00	728.24	0	728.21	198.05	.24	.53	78.38
61.30	110.00	727.40	718.10	711.10	1250.00	728.91	0	728.91	200.00	.37	.58	115.88
61.40	10.00		0	711.50	470.00	720.07	0	720.07	127.32	5.32	.40	33.07
61.40	10.00		0	711.50	830.00	727.07	0	727.04	198.27	.38	.45	64.12
61.40	10.00		0	711.50	970.00	728.21	0	728.21	204.46	.34	.53	78.81
61.40	10.00		0	711.50	1250.00	728.90	0	728.91	210.94	.45	.58	116.35
64.00	260.00		0	711.50	470.00	720.17	0	720.27	27.00	9.50	.43	34.70
64.00	260.00		0	711.50	830.00	727.08	0	727.05	198.37	.38	.57	73.05
64.00	260.00		0	711.50	970.00	728.21	0	728.25	204.51	.34	.45	89.20
64.00	260.00		0	711.50	1250.00	728.92	0	728.92	211.01	.45	.68	127.57
65.00	100.00	725.10	720.50	714.60	470.00	723.30	0	724.94	5.80	372.71	.43	34.98
65.00	100.00	725.10	720.50	714.60	830.00	727.18	0	727.10	256.03	2.77	.60	75.97
65.00	100.00	725.10	720.50	714.60	970.00	728.35	0	728.34	272.22	1.81	.68	92.75
65.00	100.00	725.10	720.50	714.60	1250.00	729.07	0	729.04	281.73	2.04	.71	131.49
65.40	40.00		0	716.30	470.00	725.14	0	725.20	70.11	6.48	.44	35.12
65.40	40.00		0	716.30	830.00	727.15	0	727.23	120.05	6.17	.60	76.67
65.40	40.00		0	716.30	970.00	728.32	0	728.38	148.44	4.52	.69	93.64
65.40	40.00		0	716.30	1250.00	729.00	0	729.07	167.49	5.37	.72	132.51
72.50	710.00		0	725.10	300.00	729.74	729.76	731.20	17.30	513.24	.46	37.58
72.50	710.00		0	725.10	640.00	731.57	731.53	732.78	40.02	303.04	.63	81.28
72.50	710.00		0	725.10	700.00	732.14	732.14	733.17	61.30	237.63	.71	99.84
72.50	710.00		0	725.10	980.00	732.57	732.57	733.71	67.96	254.54	.74	139.83

SECTION NUMBER	DISCHARGE CFS	CASEI	CASEI DIFF EACH G	CASEI DIFF EACH SECTION	CASEI - WSFLK	TOPWID	T.W. DIFF	LENGTH
3,200	680.000	681.670	0	0	0	326.077	0	-0
3,200	1200.000	683.780	2.110	0	0	348.295	-22.218	-0
3,200	1400.000	684.450	.670	0	0	355.350	-20.273	-0
3,200	2000.000	686.500	2.050	0	0	380.217	-54.141	-0
10,500	680.000	681.830	0	.160	0	240.111	0	730.000
10,500	1200.000	683.900	2.070	.120	0	336.788	-96.677	730.000
10,500	1400.000	684.567	.650	.113	0	399.799	-159.688	730.000
10,500	2000.000	686.570	2.015	.070	0	463.783	-223.472	730.000
16,000	640.000	683.794	0	1.960	0	223.710	0	550.000
16,000	1120.000	684.616	.822	.712	0	243.160	-19.459	550.000
16,000	1280.000	685.106	.489	.542	0	248.260	-24.554	550.000

16,000	1720,000	686,800	1,695	.221	0	265,627	-41,917	550,000
20,000	640,000	488,392	0	4,594	0	108,227	0	400,000
20,000	1120,000	689,168	.774	4,552	0	239,690	-131,472	400,000
20,000	1280,000	489,340	.181	4,244	0	241,555	-133,327	400,000
20,000	1720,000	689,602	.253	2,802	0	244,142	-135,915	400,000
24,000	640,000	693,553	0	5,162	0	212,093	0	400,000
24,000	1120,000	694,255	.702	5,087	0	241,614	-29,621	400,000
24,000	1280,000	694,403	.148	5,054	0	243,133	-30,140	400,000
24,000	1720,000	694,907	.503	5,305	0	248,287	-35,294	400,000
28,000	640,000	696,020	0	2,467	0	143,530	0	400,000
28,000	1120,000	696,858	.837	2,603	0	162,242	-18,702	400,000
28,000	1280,000	697,080	.231	2,685	0	167,407	-23,868	400,000
28,000	1720,000	697,567	.479	2,661	0	178,110	-34,571	400,000
28,300	640,000	696,113	0	.992	0	145,574	0	30,000
28,300	1120,000	696,974	.861	.116	0	164,837	-10,263	30,000
28,300	1280,000	697,211	.237	.122	0	170,120	-24,555	30,000
28,300	1720,000	697,711	.500	.143	0	180,500	-34,924	30,000
30,500	640,000	696,450	0	.346	0	16,000	0	220,000
30,500	1120,000	698,232	1,773	1,258	0	16,000	0	220,000
30,500	1280,000	698,828	.695	1,716	0	16,000	0	220,000
30,500	1720,000	701,110	2,183	3,390	0	16,000	0	220,000
31,000	640,000	696,734	0	.275	0	158,510	0	50,000
31,000	1120,000	698,844	2,110	.612	0	239,174	-80,657	50,000
31,000	1280,000	699,629	.785	.703	0	254,541	-96,022	50,000
31,000	1720,000	702,008	2,379	.890	0	297,811	-139,292	50,000
40,000	640,000	700,801	0	4,067	0	73,435	0	900,000
40,000	980,000	701,375	.574	2,531	0	92,670	-19,244	900,000
40,000	1160,000	701,680	.304	2,052	0	102,943	-29,508	900,000
40,000	1490,000	702,160	.489	.161	0	119,351	-45,917	900,000
48,000	470,000	707,732	0	6,931	0	108,278	0	800,000
48,000	830,000	708,863	1,131	7,488	0	138,871	-30,592	800,000
48,000	970,000	709,163	.300	7,482	0	145,380	-37,110	800,000
48,000	1250,000	709,646	.484	7,417	0	153,290	-45,011	800,000
58,000	470,000	715,793	0	2,051	0	58,094	0	1100,000
58,000	830,000	716,510	.724	7,654	0	95,104	-34,108	1100,000
58,000	970,000	716,779	.261	7,617	0	104,211	-45,215	1100,000
58,000	1250,000	717,254	.474	7,607	0	120,070	-61,983	1100,000
60,200	470,000	716,894	0	1,101	0	108,263	0	120,000
60,200	830,000	717,798	.904	1,280	0	133,361	-25,077	120,000
60,200	970,000	718,058	.260	1,270	0	136,440	-28,356	120,000
60,200	1250,000	718,504	.444	1,251	0	142,260	-33,984	120,000
61,300	470,000	717,355	0	.460	0	6,000	0	110,000
61,300	830,000	725,444	8,090	7,644	0	5,000	0	110,000
61,300	970,000	728,234	2,792	10,179	0	198,044	-192,044	110,000
61,300	1250,000	728,905	.469	10,401	0	200,002	-194,002	110,000
61,400	470,000	720,024	0	2,671	0	127,320	0	10,000
61,400	830,000	727,034	7,008	1,580	0	148,270	-70,950	10,000
61,400	970,000	728,235	1,201	-.001	0	206,454	-79,135	10,000
61,400	1250,000	728,904	.460	-.002	0	210,937	-83,617	10,000
64,000	470,000	720,174	0	.148	0	27,000	0	260,000
64,000	830,000	727,044	6,870	.010	0	198,360	-171,360	260,000
64,000	970,000	728,244	1,200	.000	0	206,508	-179,508	260,000
64,000	1250,000	728,915	.671	.012	0	211,008	-184,008	260,000

65,000	470,000	723,336	0	3,163	0	5,800	0	100,000
65,000	830,000	727,180	3,843	.136	0	256,028	-250,228	100,000
65,000	970,000	728,347	1,168	.103	0	272,222	-266,422	100,000
65,000	1250,000	729,030	.683	.115	0	281,720	-275,920	100,000
65,400	470,000	725,139	0	1,803	0	79,106	0	40,000
65,400	830,000	727,153	2,014	-.026	0	129,947	-50,841	40,000
65,400	970,000	728,324	1,170	-.023	0	148,642	-69,536	40,000
65,400	1250,000	729,001	.677	-.029	0	163,687	-84,581	40,000
72,500	360,000	729,762	0	4,623	0	13,300	0	710,000
72,500	640,000	731,533	1,771	4,380	0	49,024	-35,724	710,000
72,500	760,000	732,138	.605	3,814	0	61,297	-47,997	710,000
72,500	980,000	732,566	.428	3,565	0	63,960	-50,665	710,000

DATA FOR LAST CROSS SECTION
PROFILE TYPE ENC

TARGET TOP WIDTH TOP WIDTH
AREA-ACRES AREA-DIFF

1	0	0	20,773	0
2	0	0	28,763	7,980
3	0	0	31,131	10,358
4	0	0	34,039	13,265

LTH-2200' 772.5
672.5
38.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R-4-1 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWID	10K*8	TIME	VOL	
10.50		-0	0	0	672.50	335.00	681.83	0	681.83	240.11	5.92	0	
10.50		-0	0	0	672.50	600.00	683.90	0	683.91	334.63	2.05	0	
10.50		-0	0	0	672.50	700.00	684.56	0	684.57	399.39	1.54	0	
10.50		-0	0	0	672.50	920.00	686.58	0	686.58	463.81	.61	0	
4.00	400.00		0	0	679.80	335.00	684.03	684.03	684.41	115.09	234.60	.02	1.92
4.00	400.00		0	0	679.80	600.00	684.38	684.38	684.89	140.39	331.25	.02	4.94
4.00	400.00		0	0	679.80	700.00	684.53	684.53	685.02	143.77	308.75	.02	6.14
4.00	400.00		0	0	679.80	920.00	686.61	0	686.67	166.02	21.79	.06	11.74
8.00	400.00		0	0	685.10	335.00	689.70	0	689.82	142.66	88.74	.06	3.04
8.00	400.00		0	0	685.10	600.00	690.36	0	690.50	150.00	76.24	.06	6.62
8.00	400.00		0	0	685.10	700.00	690.51	0	690.66	151.79	79.57	.06	8.09
8.00	400.00		0	0	685.10	920.00	690.02	690.02	690.60	145.93	353.76	.08	14.80
12.00	400.00		0	0	690.40	335.00	694.70	0	695.01	120.24	107.01	.09	4.22
12.00	400.00		0	0	690.40	600.00	695.12	0	695.49	143.49	230.65	.09	6.49
12.00	400.00		0	0	690.40	700.00	695.29	0	695.64	145.65	215.42	.08	10.12
12.00	400.00		0	0	690.40	920.00	696.12	0	696.35	154.18	76.64	.11	17.12
16.00	400.00		0	0	695.70	335.00	700.20	0	700.44	101.01	88.50	.13	5.33
16.00	400.00		0	0	695.70	600.00	700.86	0	701.02	142.83	91.50	.12	10.24
16.00	400.00		0	0	695.70	700.00	701.01	0	701.12	150.52	95.91	.12	12.02
16.00	400.00		0	0	695.70	920.00	700.85	0	701.23	142.80	216.32	.13	19.50
20.00	400.00		0	0	701.00	335.00	705.35	0	705.63	123.77	175.02	.16	6.47
20.00	400.00		0	0	701.00	600.00	705.82	0	706.12	140.40	125.55	.15	12.02
20.00	400.00		0	0	701.00	700.00	705.90	0	706.22	142.81	174.80	.15	14.10
20.00	400.00		0	0	701.00	920.00	706.62	0	706.82	150.32	97.02	.17	21.92
22.00	200.00		0	0	704.00	335.00	708.73	0	709.37	22.54	128.74	.17	6.85
22.00	200.00		0	0	704.00	600.00	709.67	0	710.74	33.13	265.23	.16	12.64
22.00	200.00		0	0	704.00	700.00	709.83	709.68	711.15	35.17	309.97	.15	14.74
22.00	200.00		0	0	704.00	920.00	710.47	710.47	711.90	42.48	314.65	.17	22.80

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH G	CWSEL DIFF EACH SECTION	CWSEL-WSFLX	TOPWID	1% DIFF	LENGTH
10.500	335.000	681.830	0	0	0	240.112	0	-0
10.500	600.000	683.900	2.070	0	0	334.628	-94.516	-0
10.500	700.000	684.560	.660	0	0	399.391	-159.279	-0
10.500	920.000	686.580	2.020	0	0	463.802	-223.692	-0
4.000	335.000	684.031	0	2.201	0	115.084	0	400.000
4.000	600.000	684.376	.345	.474	0	140.393	-25.307	400.000
4.000	700.000	684.533	.157	-.027	0	143.760	-22.682	400.000
4.000	920.000	686.609	2.074	.029	0	166.014	-50.920	400.000
8.000	335.000	689.739	0	5.702	0	142.652	0	400.000
8.000	600.000	690.363	.624	5.987	0	150.000	-7.344	400.000
8.000	700.000	690.505	.142	5.972	0	151.791	-9.135	400.000
8.000	920.000	690.016	-.490	3.407	0	145.927	-3.271	400.000
12.000	335.000	694.701	0	4.962	0	120.235	0	400.000
12.000	600.000	695.123	.421	4.760	0	143.685	-23.450	400.000

12,000	700,000	695,290	.168	4,785	0	145,648	-25,415	400,000
12,000	920,000	696,184	.894	6,169	0	156,181	-35,945	400,000
16,000	335,000	700,288	0	5,586	0	141,900	0	400,000
16,000	600,000	700,861	.574	5,739	0	148,830	-6,925	400,000
16,000	700,000	701,005	.144	5,715	0	150,520	-8,611	400,000
16,000	920,000	700,854	-.151	4,670	0	148,800	-6,895	400,000
20,000	335,000	705,350	0	5,061	0	123,765	0	400,000
20,000	600,000	705,820	.470	4,959	0	144,800	-21,035	400,000
20,000	700,000	705,989	.169	4,984	0	146,810	-23,049	400,000
20,000	920,000	706,624	.636	5,770	0	154,325	-30,560	400,000
22,000	335,000	708,733	0	3,383	0	22,537	0	200,000
22,000	600,000	709,665	.932	3,845	0	33,131	-10,595	200,000
22,000	700,000	709,833	.168	3,845	0	35,166	-12,630	200,000
22,000	920,000	710,471	.640	3,849	0	42,476	-10,939	200,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0	0	6,781	0
2	0	0	7,972	1,191
3	0	0	8,350	1,579
4	0	0	8,955	2,174

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R-4-3 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	ER	TOPWID	10K*8	TIME	VOL
40.00	-0	0	0	696.60	300.00	701.62	0	701.60	100.91	20.79	0	0
40.00	-0	0	0	696.60	540.00	701.38	0	701.67	92.86	91.76	0	0
40.00	-0	0	0	696.60	650.00	701.70	0	702.00	103.40	88.27	0	0
40.00	-0	0	0	696.60	850.00	702.17	0	702.40	119.38	86.16	0	0
3.00	500.00	0	0	702.20	300.00	706.18	706.18	707.08	29.85	353.99	.02	1.24
3.00	500.00	0	0	702.20	540.00	707.60	0	708.20	46.57	198.39	.02	1.44
3.00	500.00	0	0	702.20	650.00	707.89	0	708.68	49.99	212.14	.02	1.70
3.00	500.00	0	0	702.20	850.00	708.37	0	709.26	55.61	227.11	.02	2.15
7.00	400.00	0	0	707.20	300.00	712.44	0	712.60	40.63	73.30	.05	1.90
7.00	400.00	0	0	707.20	540.00	713.31	0	713.68	54.94	96.74	.05	2.53
7.00	400.00	0	0	707.20	650.00	713.75	0	714.13	60.01	94.41	.04	2.97
7.00	400.00	0	0	707.20	850.00	714.40	0	714.82	67.77	92.53	.04	3.72
10.00	300.00	0	0	709.70	300.00	714.80	0	715.07	42.97	85.92	.07	2.53
10.00	300.00	0	0	709.70	540.00	716.01	0	716.33	57.26	80.46	.07	3.51
10.00	300.00	0	0	709.70	650.00	716.42	0	716.76	62.05	81.00	.06	4.12
10.00	300.00	0	0	709.70	850.00	717.06	0	717.43	69.58	81.88	.06	5.17
13.00	300.00	0	0	712.20	300.00	716.22	0	716.24	122.26	21.81	.13	3.58
13.00	300.00	0	0	712.20	540.00	717.26	0	717.31	136.74	16.70	.12	5.24
13.00	300.00	0	0	712.20	650.00	717.65	0	717.70	142.28	15.75	.11	6.12
13.00	300.00	0	0	712.20	850.00	718.29	0	718.34	150.37	14.77	.11	7.53

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
40.000	300.000	701.620	0	0	0	100.910	0	-0
40.000	540.000	701.380	-2.240	0	0	92.856	8.058	-0
40.000	650.000	701.700	.820	0	0	103.600	-2.686	-0
40.000	850.000	702.170	.470	0	0	119.381	-18.467	-0
3.000	300.000	706.185	0	4.565	0	29.850	0	500.000
3.000	540.000	707.604	1.419	6.224	0	46.573	-16.723	500.000
3.000	650.000	707.894	.290	6.190	0	49.987	-20.137	500.000
3.000	850.000	708.372	.478	6.202	0	55.610	-25.760	500.000
7.000	300.000	712.442	0	6.258	0	40.633	0	400.000
7.000	540.000	713.311	.868	5.707	0	54.936	-10.304	400.000
7.000	650.000	713.746	.435	5.852	0	60.005	-15.372	400.000
7.000	850.000	714.405	.659	6.032	0	67.766	-23.133	400.000
10.000	300.000	714.795	0	2.353	0	42.967	0	300.000
10.000	540.000	716.011	1.216	2.701	0	57.258	-14.291	300.000
10.000	650.000	716.418	.407	2.672	0	62.051	-19.080	300.000
10.000	850.000	717.058	.640	2.653	0	69.581	-26.614	300.000
13.000	300.000	716.223	0	1.428	0	122.258	0	300.000
13.000	540.000	717.265	1.041	1.253	0	136.740	-14.482	300.000
13.000	650.000	717.654	.390	1.236	0	142.270	-20.021	300.000
13.000	850.000	718.286	.632	1.228	0	150.370	-28.112	300.000

DATA FOR LAST CROSS SECTION
 PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH

 HEC2 VERSION UPDATED JAN 1976
 ERROR CORRECTION 01,02,03,04,05,06,07,0A,09
 MODIFICATIONS 52,53,54,55,56,57,5A

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB P=4=0 100-YR 0

J1 ICHECK ING NINV IDIR STRT METRIC HVINS 0 WSEI FG
 0. 4. 0. 0. 0. 0. 0. 0. 729.140 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC YBW CHNIV ITRACF
 3.000 0. 0. 0. 0. 0. 0. 0. 0. 0.

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS R=0.4 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	CRIAS	FG	TOPWID	10K*8	TIME	VOL
61.40	0.	0.	0.	711.50	270.00	722.77	0.	722.77	155.10	0.39	0.	0.
61.40	0.	0.	0.	711.50	480.00	728.18	0.	728.18	206.09	0.13	0.	0.
61.40	0.	0.	0.	711.50	560.00	729.18	0.	729.18	212.79	0.13	0.	0.
61.40	0.	0.	0.	711.50	730.00	729.50	0.	729.50	214.93	0.20	0.	0.
A 3.50	500.00	0.	0.	717.70	270.00	722.67	0.	722.01	38.61	80.51	0.04	4.73
3.50	500.00	0.	0.	717.70	480.00	728.19	0.	728.21	99.31	3.76	0.13	12.62
3.50	500.00	0.	0.	717.70	560.00	729.19	728.7	729.20	112.51	2.05	0.13	14.42
3.50	500.00	0.	0.	717.70	730.00	729.51	0.	729.54	118.18	4.23	0.11	15.03
8.00	450.00	0.	0.	723.70	270.00	727.86	727.15	728.47	29.60	195.49	0.06	5.43
8.00	450.00	0.	0.	723.70	480.00	728.26	728.26	729.38	34.04	393.47	0.14	15.40
8.00	450.00	0.	0.	723.70	560.00	729.13	0.	729.44	43.69	210.67	0.15	17.01
8.00	450.00	0.	0.	723.70	730.00	729.51	0.	730.40	47.88	262.08	0.13	18.80
B 13.00	500.00	0.	0.	730.40	270.00	735.53	0.	735.00	15.98	119.14	0.09	6.06
13.00	500.00	0.	0.	730.40	480.00	737.60	0.	738.02	20.09	95.49	0.17	16.32
13.00	500.00	0.	0.	730.40	560.00	737.60	0.	738.17	20.09	130.16	0.18	19.02
13.00	500.00	0.	0.	730.40	730.00	738.55	0.	739.19	33.53	125.54	0.15	20.15

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH Q	CWSFL DIFF EACH SECTION	CWSFL-WSELK	TOPWID	T.W. DIFF	LENGTH
61.400	270.000	722.770	0.	0.	0.	155.103	0.	0.
61.400	480.000	728.180	5.410	0.	0.	206.086	-50.983	0.
61.400	560.000	729.180	1.000	0.	0.	212.789	-57.686	0.
61.400	730.000	729.500	0.320	0.	0.	214.934	-59.831	0.
3.500	270.000	722.670	0.	-0.100	0.	38.608	0.	500.000
3.500	480.000	728.186	5.516	0.006	0.	99.310	-60.702	500.000
3.500	560.000	729.186	1.001	0.006	0.	112.514	-73.906	500.000
3.500	730.000	729.510	0.324	0.010	0.	118.176	-79.568	500.000
8.000	270.000	727.858	0.	5.188	0.	29.602	0.	450.000
8.000	480.000	728.258	0.400	0.072	0.	34.045	-4.443	450.000
8.000	560.000	729.127	0.848	-0.060	0.	43.689	-14.087	450.000
8.000	730.000	729.505	0.379	-0.005	0.	47.878	-18.276	450.000
13.000	270.000	735.534	0.	7.676	0.	15.978	0.	500.000
13.000	480.000	737.602	2.069	9.344	0.	20.085	-4.117	500.000
13.000	560.000	737.598	-0.004	8.471	0.	20.089	-4.112	500.000
13.000	730.000	738.546	0.948	9.041	0.	33.529	-17.551	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	1.726	0.
2	0.	0.	2.752	1.027
3	0.	0.	3.040	1.314
4	0.	0.	3.237	1.511

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

Plotted Profile
 5-10-76 BY
 S. P. FLETCHER

Cross-Sections & Flood
 Lines Plotted 5-18-76
 ON 1:400 MAP.
 S. P. FLETCHER

Plot

T1 GASTONIA N C
 T2 FLOOD INSURANCE
 T3 TRIB R-5 10-YR Q

J1	ICHECK	INO	NINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	0	2.	0	0	0	0	0	0	684.680	-0
J2	NPROF	IPL0T	PRFVS	YSECV	XSFCH	FN	ALLOC	IRW	CHNIM	TRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.070	.100	.300					
QT	5.000	760.000	1410.000	1760.000	1760.000	2810.000				
X1	995.000	25.000	376.000	398.000						
GR	700.000	0	693.500	50.000	688.900	100.000	683.600	150.000	681.900	165.000
GR	681.600	200.000	682.100	212.000	679.300	217.000	681.800	222.000	681.000	250.000
GR	681.300	300.000	681.500	350.000	681.300	376.000	674.000	380.000	673.200	389.000
GR	683.500	395.000	681.000	398.000	681.500	450.000	681.200	500.000	681.200	550.000
GR	689.700	1450.000	690.700	1500.000	692.500	1550.000	695.400	1400.000	700.000	1483.000
X1	17.000	19.000	1089.000	1108.000	1700.000	1700.000	1700.000			
GR	688.900	650.000	686.300	700.000	686.500	750.000	687.400	800.000	687.900	850.000
GR	688.400	900.000	687.700	950.000	687.000	1000.000	687.100	1050.000	684.200	1089.000
GR	681.100	1092.000	681.100	1100.000	681.300	1108.000	684.700	1110.000	686.100	1120.000
GR	686.000	1150.000	686.200	1170.000	697.100	1200.000	702.400	1250.000		
X1	18.420	-0	-0	-0	142.000	142.000	142.000			
X3	10.000	-0	-0	-0	-0	-0	-0	682.500	682.500	-0
SB	1.250	1.500	3.000	-0	20.000	-0	168.000	-0	683.400	682.500
X1	19.980	30.000	1040.000	1060.000	156.000	156.000	156.000		-1.600	-0
X2	-0	-0	1.000	691.000	700.000	-0	-0		-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	682.500	682.500	-0
RT	8.000	0	696.800	-0	550.000	693.500	-0	700.000	693.300	-0
RT	800.000	694.000	-0	900.000	695.300	-0	1040.000	699.600	691.000	1060.000
RT	700.400	691.000	1150.000	703.200	-0	-0	-0	-0	-0	-0
GR	705.400	0	705.400	100.000	703.800	150.000	703.700	200.000	703.300	250.000
GR	702.600	300.000	702.000	350.000	701.800	400.000	701.200	450.000	700.500	500.000
GR	700.000	550.000	699.200	600.000	698.500	650.000	698.100	700.000	697.700	750.000
GR	696.900	800.000	695.300	850.000	695.300	900.000	695.600	950.000	693.100	1000.000
GR	687.100	1035.000	682.500	1040.000	682.500	1060.000	686.600	1065.000	689.200	1100.000
GR	691.700	1150.000	693.000	1170.000	702.600	1184.000	702.700	1200.000	705.000	1300.000
X1	20.500	31.000	1035.000	1065.000	52.000	52.000	52.000		-0	-0
GR	705.400	0	705.400	100.000	703.800	150.000	703.700	200.000	703.300	250.000
GR	702.600	300.000	702.000	350.000	701.800	400.000	701.200	450.000	700.500	500.000
GR	700.000	550.000	699.200	600.000	698.500	650.000	698.100	700.000	697.700	750.000
GR	696.900	800.000	695.300	850.000	695.300	900.000	695.600	950.000	693.100	1000.000
GR	687.100	1035.000	683.600	1040.000	682.500	1060.000	683.500	1060.000	686.600	1065.000
GR	689.200	1100.000	691.700	1150.000	693.000	1170.000	702.600	1184.000	702.700	1200.000
GR	705.000	1300.000	-0	-0	-0	-0	-0	-0	-0	-0

1986

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-5 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRIMS	EG	TOPWTD	10K+S	TIME	VOL
995.00	-0	0	0	673.20	760.00	684.68	0	684.68	778.66	1.33	0	0
995.00	-0	0	0	673.20	1410.00	687.15	0	687.15	1067.49	.61	0	0
995.00	-0	0	0	673.20	1760.00	689.34	0	689.34	1316.66	.27	0	0
995.00	-0	0	0	673.20	2810.00	689.47	0	689.47	1331.84	.64	0	0
17.00	1700.00	0	0	681.10	760.00	685.20	685.24	686.73	38.78	400.84	.05	41.92
17.00	1700.00	0	0	681.10	1410.00	687.28	687.28	688.00	302.47	156.95	.08	91.43
17.00	1700.00	0	0	681.10	1760.00	689.44	0	689.50	528.93	14.61	.29	161.93
17.00	1700.00	0	0	681.10	2810.00	689.73	0	689.83	529.71	27.84	.21	168.23
18.42	142.00	0	0	681.10	760.00	687.69	0	687.80	378.16	25.77	.07	42.85
18.42	142.00	0	0	681.10	1410.00	688.67	0	688.76	522.32	23.32	.10	93.54
18.42	142.00	0	0	681.10	1760.00	689.64	0	689.69	529.47	11.91	.32	166.52
18.42	142.00	0	0	681.10	2810.00	690.09	0	690.17	530.71	19.78	.23	173.45
19.98	156.00	700.00	691.00	680.90	760.00	688.01	0	688.36	87.84	38.92	.07	44.04
19.98	156.00	700.00	691.00	680.90	1410.00	688.70	685.82	689.68	105.57	98.54	.10	95.58
19.98	156.00	700.00	691.00	680.90	1760.00	692.07	0	692.20	182.30	13.40	.53	170.62
19.98	156.00	700.00	691.00	680.90	2810.00	696.56	0	696.61	485.08	4.06	.26	180.50
20.50	52.00	0	0	682.50	760.00	688.25	0	688.69	58.84	96.60	.08	44.24
20.50	52.00	0	0	682.50	1410.00	689.57	0	690.27	86.65	118.29	.10	95.84
20.50	52.00	0	0	682.50	1760.00	692.07	0	692.35	149.77	34.29	.34	171.45
20.50	52.00	0	0	682.50	2810.00	696.56	0	696.65	364.58	8.42	.26	182.77
26.00	550.00	0	0	683.90	760.00	691.46	0	691.67	105.96	33.49	.13	47.09
26.00	550.00	0	0	683.90	1410.00	693.20	0	693.39	137.29	32.39	.15	100.62
26.00	550.00	0	0	683.90	1760.00	693.95	0	694.15	148.25	31.25	.38	178.78
26.00	550.00	0	0	683.90	2810.00	697.14	0	697.27	195.49	15.37	.32	199.98
42.00	1600.00	0	0	690.60	760.00	696.37	0	696.47	264.84	27.36	.32	60.55
42.00	1600.00	0	0	690.60	1410.00	697.62	0	697.71	289.33	22.69	.35	124.40
42.00	1600.00	0	0	690.60	1760.00	698.16	0	698.25	290.78	21.29	.58	207.40
42.00	1600.00	0	0	690.60	2810.00	699.76	0	699.84	310.52	16.73	.52	247.50
56.00	400.00	0	0	693.60	760.00	698.34	698.34	700.02	21.85	580.32	.33	62.90
56.00	400.00	0	0	693.60	1410.00	700.79	700.79	701.69	152.76	224.94	.37	129.21
56.00	400.00	0	0	693.60	1760.00	701.05	701.05	702.10	157.63	260.00	.40	213.18
56.00	400.00	0	0	693.60	2810.00	701.95	701.95	703.08	174.29	262.84	.53	256.16
69.00	1300.00	0	0	703.10	630.00	710.23	707.74	710.32	183.20	25.08	.48	69.38
69.00	1300.00	0	0	703.10	1100.00	711.12	0	711.24	207.43	30.24	.51	141.10
69.00	1300.00	0	0	703.10	1270.00	711.55	0	711.66	213.54	26.67	.74	227.05
69.00	1300.00	0	0	703.10	1710.00	712.47	0	712.57	222.00	22.75	.68	275.25
69.50	67.00	0	0	703.10	630.00	710.22	0	710.75	18.00	96.94	.49	69.74
69.50	67.00	0	0	703.10	1100.00	711.32	0	711.42	210.37	24.66	.52	141.96
69.50	67.00	0	0	703.10	1270.00	711.73	0	711.83	216.11	22.66	.75	228.05
69.50	67.00	0	0	703.10	1710.00	712.62	0	712.71	223.15	20.31	.69	276.56

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWTD	10K+S	TIME	VOL
71.50	200.00	750.00	711.00	704.00	630.00	710.36	0	711.62	11.00	357.94	.49	70.15
71.50	200.00	750.00	711.00	704.00	1100.00	713.65	0	715.32	11.00	330.66	.52	143.54
71.50	200.00	750.00	711.00	704.00	1270.00	715.49	0	717.06	11.00	271.80	.76	229.8A
71.50	200.00	750.00	711.00	704.00	1710.00	720.97	0	722.27	11.00	173.42	.70	278.97
72.50	100.00	0	0	704.40	630.00	712.00	0	712.17	265.54	15.84	.51	70.72
72.50	100.00	0	0	704.40	1100.00	715.54	0	715.55	425.07	2.10	.56	145.57
72.50	100.00	0	0	704.40	1270.00	717.20	0	717.25	476.05	.99	.81	232.82
72.50	100.00	0	0	704.40	1710.00	722.41	0	722.41	619.86	.21	.78	285.21
78.00	550.00	0	0	706.80	630.00	713.66	0	713.8A	10A.77	79.65	.55	74.80
78.00	550.00	0	0	706.80	1100.00	715.77	0	715.87	155.06	30.37	.62	159.26
78.00	550.00	0	0	706.80	1270.00	717.34	0	717.40	169.04	12.83	.89	252.9A
78.00	550.00	0	0	706.80	1710.00	722.42	0	722.44	212.85	2.17	.93	329.27
95.00	1700.00	0	0	720.60	630.00	727.42	726.31	727.66	97.34	82.39	.68	83.31
95.00	1700.00	0	0	720.60	1100.00	727.22	727.22	728.13	92.80	313.79	.69	172.93
95.00	1700.00	0	0	720.60	1270.00	727.49	727.49	728.40	9A.92	310.55	.96	272.16
95.00	1700.00	0	0	720.60	1710.00	727.93	727.93	729.01	10A.95	356.63	.99	368.30

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELX	TOPWTD	T.W. DIFF	LENGTH
995.000	760.000	684.680	0	0	0	778.650	0	=0
995.000	1410.000	687.150	2.470	0	0	1063.491	-284.831	=0
995.000	1760.000	689.340	2.190	0	0	1316.665	-538.006	=0
995.000	2810.000	689.470	.130	0	0	1331.843	-553.183	=0
17.000	760.000	685.237	0	.557	0	38.770	0	1700.000
17.000	1410.000	687.275	2.039	.125	0	304.470	-265.691	1700.000
17.000	1760.000	689.445	2.169	.105	0	528.931	-490.151	1700.000
17.000	2810.000	689.728	.283	.258	0	529.712	-490.933	1700.000
18.420	760.000	687.685	0	2.448	0	378.157	0	142.000
18.420	1410.000	688.666	.981	1.391	0	522.323	-140.166	142.000
18.420	1760.000	689.642	.976	.198	0	529.470	-151.318	142.000
18.420	2810.000	690.090	.448	.362	0	530.707	-152.551	142.000
19.980	760.000	688.011	0	.326	0	87.838	0	156.000
19.980	1410.000	688.695	.684	.029	0	105.566	-17.728	156.000
19.980	1760.000	692.066	3.371	2.424	0	182.300	-94.462	156.000
19.980	2810.000	696.560	4.494	6.470	0	485.084	-397.246	156.000
20.500	760.000	688.246	0	.235	0	58.840	0	52.000
20.500	1410.000	689.564	1.320	.871	0	86.650	-27.810	52.000
20.500	1760.000	692.074	2.508	.008	0	149.771	-90.931	52.000
20.500	2810.000	696.560	4.484	-.000	0	364.576	-305.736	52.000
26.000	760.000	691.465	0	3.210	0	105.958	0	550.000
26.000	1410.000	693.197	1.733	3.632	0	137.285	-31.327	550.000
26.000	1760.000	693.948	.751	1.874	0	148.253	-42.294	550.000
26.000	2810.000	697.141	3.193	.581	0	195.493	-80.535	550.000
42.000	760.000	694.372	0	4.907	0	264.834	0	1600.000
42.000	1410.000	697.618	1.246	4.421	0	289.330	-24.495	1600.000
42.000	1760.000	698.163	.545	4.214	0	294.777	-29.941	1600.000
42.000	2810.000	699.756	1.593	2.614	0	310.517	-45.682	1600.000
56.000	760.000	698.344	0	1.972	0	21.848	0	400.000
56.000	1410.000	700.792	2.448	3.173	0	152.762	-130.915	400.000
56.000	1760.000	701.054	.263	2.892	0	157.620	-135.781	400.000

17500

56,000	2810,000	701,954	.900	2,199	0	174,292	-152,444	400,000
69,000	630,000	710,226	0	11,882	0	183,205	0	1300,000
69,000	1100,000	711,115	.889	10,324	0	207,428	-24,223	1300,000
69,000	1270,000	711,552	.437	10,498	0	213,537	-30,332	1300,000
69,000	1710,000	712,465	.913	10,511	0	222,000	-38,795	1300,000
69,500	630,000	710,221	0	-.005	0	18,000	0	67,000
69,500	1100,000	711,321	1,100	.206	0	210,373	-192,373	67,000
69,500	1270,000	711,733	.412	.181	0	216,106	-198,106	67,000
69,500	1710,000	712,620	.886	.154	0	223,150	-205,150	67,000
71,500	630,000	710,363	0	.142	0	11,000	0	200,000
71,500	1100,000	713,649	3,286	2,328	0	11,000	0	200,000
71,500	1270,000	715,490	1,841	3,757	0	11,000	0	200,000
71,500	1710,000	720,969	5,479	8,349	0	11,000	0	200,000
72,500	630,000	712,094	0	1,731	0	265,530	0	100,000
72,500	1100,000	715,542	3,448	1,893	0	425,071	-159,532	100,000
72,500	1270,000	717,243	1,701	1,753	0	476,951	-211,412	100,000
72,500	1710,000	722,408	5,165	1,439	0	619,860	-354,321	100,000
78,000	630,000	713,662	0	1,568	0	106,774	0	550,000
78,000	1100,000	715,765	2,103	.223	0	155,962	-49,188	550,000
78,000	1270,000	717,342	1,577	.099	0	169,436	-62,662	550,000
78,000	1710,000	722,424	5,082	.016	0	212,851	-106,076	550,000
95,000	630,000	727,420	0	13,758	0	97,330	0	1700,000
95,000	1100,000	727,224	-.195	11,459	0	92,801	4,538	1700,000
95,000	1270,000	727,491	.266	10,149	0	98,916	-1,577	1700,000
95,000	1710,000	727,928	.437	5,503	0	108,953	-11,615	1700,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	36,651	0
2	0	0	55,786	19,135
3	0	0	67,574	30,923
4	0	0	74,488	37,837