



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-9 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH
622.80	-0	0	0	686.80	610.00	689.55	22.15	690.60	31.37	0	0	8.5A
622.80	-0	0	0	686.80	610.00	689.79	25.77	690.72	32.18	724.00	774.00	7.74
2.00	200.00	0	0	690.00	610.00	695.07	59.24	695.28	84.80	0/50	0	4.8A
2.00	200.00	0	0	690.00	610.00	695.23	52.72	695.61	38.11	141.69	179.81	5.63
6.00	400.00	0	0	695.60	610.00	700.33.8	44.39	700.64	80.69	0/50	0	5.90
6.00	400.00	0	0	695.60	610.00	701.09	47.87	701.50	32.15	145.00	177.15	5.22
10.00	400.00	0	0	701.20	610.00	706.17	55.33	706.41	83.60	0/50	0	5.15
10.00	400.00	0	0	701.20	610.00	706.64	56.25	707.00	36.36	142.80	179.16	5.44
14.00	400.00	0	0	706.70	610.00	711.52	49.88	711.80	81.86	0/50	0	5.5A
14.00	400.00	0	0	706.70	610.00	711.96	48.93	712.41	34.03	144.23	178.27	6.09
17.60	360.00	0	0	711.50	610.00	716.45	54.78	716.60	83.43	0/50	0	5.19
17.60	360.00	0	0	711.50	610.00	716.93	55.93	717.20	36.21	142.89	179.11	5.47
21.20	360.00	0	0	716.30	610.00	721.17	51.60	721.43	82.42	0	0	5.43
21.20	360.00	0	0	716.30	610.00	721.60	50.71	722.02	34.71	143.82	178.53	5.91
25.00	380.00	0	0	721.10	610.00	726.43	51.53	726.77	59.85	0/00	0	5.84
25.00	380.00	0	0	721.10	610.00	726.93	52.38	727.35	27.71	78.29	106.00	5.0A

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
622.800	610.000	689.549	0	0	0	31.370	0	-0
622.800	610.000	689.790	.241	0	0	32.178	-.805	-0
2.000	610.000	695.065	0	5.516	0	84.802	0	200.000
2.000	610.000	695.229	.164	5.439	0	38.110	46.688	200.000
6.000	610.000	700.332	0	5.266	0	80.690	0	400.000
6.000	610.000	701.089	.757	5.859	0	32.152	48.538	400.000
10.000	610.000	706.169	0	5.837	0	83.604	0	400.000
10.000	610.000	706.641	.471	5.552	0	36.356	47.248	400.000
14.000	610.000	711.519	0	5.349	0	81.860	0	400.000
14.000	610.000	711.959	.441	5.318	0	34.033	47.827	400.000
17.600	610.000	716.452	0	4.933	0	83.434	0	360.000
17.600	610.000	716.930	.478	4.970	0	36.212	47.222	360.000
21.200	610.000	721.170	0	4.718	0	82.421	0	360.000
21.200	610.000	721.599	.429	4.669	0	34.709	47.713	360.000
25.000	610.000	726.435	0	5.265	0	59.850	0	380.000
25.000	610.000	726.931	.496	5.332	0	27.713	32.137	380.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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12500

1 0 0 4.530 0  
2 4.000 .390 1.977 -2.552

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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
T2 FLOOD INSURANCE  
T3 TRTB C-9 FLOODWAY

J1	TCHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	5.	-0	-0	-0	-0	-0	-0	689,790	-0
J2	NPROF	IPLOT	PRFVS	YSECV	XSECH	FN	ALLDC	IRW	CHNTM	ITRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12498

# Floodway

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 HEC2-VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C=9 100-YR W

J1 TCHECK TND NINV TDIR STPT METRIC HVINS 0 WSEL EQ  
 0 4 0 0 0 0 0 0 488,790 -0

J2 NPROF TPLOT PRFVS YSFCV XSECH FN ALLOC IRW CHNTH ITRACE  
 1,000 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0

J3 1,000 34,000 3,000 4,000 27,000 28,000 26,000 -0 -0 -0  
 NC .080 .080 .080 .100 .300 -0 -0 -0 -0 -0  
 QT 5,000 290,000 520,000 410,000 610,000 790,000 -0 -0 -0 -0  
 ET -0 -0 -0 -0 -0 10,400 -0 -0 -0 -0 -0

X1 622,800 24,000 724,000 774,000 -0 -0 -0 -0 -0 -0  
 GR 710,000 25,000 705,000 210,000 700,000 400,000 694,400 450,000 693,200 500,000  
 GR 694,100 550,000 694,000 600,000 694,100 650,000 694,600 700,000 695,500 724,000  
 GR 687,200 737,000 686,800 747,000 686,900 760,000 694,800 774,000 692,700 800,000  
 GR 694,200 850,000 694,000 868,000 690,000 870,000 695,300 875,000 695,200 900,000  
 GR 697,200 950,000 690,000 957,000 705,000 980,000 710,000 1030,000 -0 -0

X1 2,000 10,000 145,000 150 155,000 200,000 200,000 200,000 -0 -16,700 -0  
 GR 725,800 0 717,800 50,000 713,800 100,000 708,300 145,000 707,100 149,000  
 GR 706,700 150,000 707,000 151,000 708,200 155,000 711,400 200,000 724,400 250,000

X1 6,000 0 0 0 400,000 400,000 400,000 -0 5,600 -0

X1 10,000 0 0 0 400,000 400,000 400,000 -0 5,600 -0

X1 14,000 0 0 0 400,000 400,000 400,000 -0 5,500 -0

X1 17,600 0 0 0 360,000 360,000 360,000 -0 4,800 -0

X1 21,200 0 0 0 360,000 360,000 360,000 -0 4,800 -0

X1 25,000 9,000 97,000 100 106,000 380,000 380,000 380,000 -0 -0 -0  
 GR 738,300 0 727,300 50,000 722,500 94,000 721,500 97,000 721,100 100,000  
 GR 721,500 103,000 723,700 106,000 733,900 150,000 730,800 200,000 -0 -0  
 EJ -0 -0 -0 -0 -0 -0 -0 -0 -0 -0

12496

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-12		FLOODWAY										
SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	FG	TOPWID	STENCL	STENCR	VCH
679.00	0.	0.	0.	701.10	630.00	708.13	130.57	708.47	37.66	0.	0.	4.01
679.00	0.	0.	0.	701.10	630.00	709.13	161.89	709.32	28.31	337.00	366.00	3.52
9.50	1100.00	0.	0.	717.70	630.00	721.60	48.18	722.43	69.29	0.	0.	8.40
9.50	1100.00	0.	0.	717.70	630.00	721.87	35.89	723.71	16.00	194.00	210.00	10.88
9.75	25.00	0.	0.	717.70	630.00	722.38	80.87	722.72	89.38	0.	0.	5.75
9.75	25.00	0.	0.	717.70	630.00	723.67	103.98	724.06	27.53	189.97	217.50	5.36
9.95	20.00	0.	0.	717.00	630.00	728.09	851.78	728.10	375.84	0.	0.	0.80
9.95	20.00	0.	0.	717.00	630.00	729.39	963.85	729.39	120.76	160.05	280.81	0.77
10.50	60.00	0.	0.	717.70	630.00	728.10	897.03	728.10	375.72	0.	0.	0.93
10.50	60.00	0.	0.	717.70	630.00	729.39	1012.41	729.40	118.72	160.61	279.33	0.89
10.90	40.00	0.	0.	717.90	630.00	728.10	840.78	728.10	366.56	0.	0.	0.97
10.90	40.00	0.	0.	717.90	630.00	729.39	953.69	729.40	111.98	161.01	272.98	0.93
18.20	730.00	0.	0.	721.70	630.00	727.99	77.58	728.34	133.06	0.	0.	5.74
18.20	730.00	0.	0.	721.70	630.00	729.11	75.95	729.67	24.13	382.87	407.00	6.25
24.90	670.00	0.	0.	731.10	630.00	736.33	35.81	737.85	21.76	0.	0.	9.91
24.90	670.00	0.	0.	731.10	630.00	736.55	39.63	737.86	22.57	137.00	163.00	9.19
25.00	10.00	0.	0.	731.10	420.00	737.80	66.66	738.06	26.00	0.	0.	4.23
25.00	10.00	0.	0.	731.10	420.00	737.78	66.14	738.06	26.00	137.00	163.00	4.25
25.60	60.00	0.	0.	731.10	420.00	746.94	1733.75	746.04	205.40	0.	0.	0.30
25.60	60.00	0.	0.	731.10	420.00	746.91	1537.53	746.02	149.05	61.09	210.14	0.34
25.70	10.00	0.	0.	732.30	420.00	746.93	1233.71	746.94	147.45	0.	0.	0.48
25.70	10.00	0.	0.	732.30	420.00	746.91	1049.28	746.92	105.70	61.13	166.83	0.57
34.00	830.00	0.	0.	744.90	420.00	747.97	26.32	748.61	48.01	0.	0.	8.18
34.00	830.00	0.	0.	744.90	420.00	748.72	22.19	750.13	15.47	96.00	111.47	10.11
41.70	770.00	0.	0.	758.40	420.00	762.21	35.39	762.89	22.24	0.	0.	6.62
41.70	770.00	0.	0.	758.40	420.00	762.61	42.66	763.13	23.37	132.00	162.00	5.79

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
679.000	630.000	708.130	0.	0.	0.	37.664	0.	0.
679.000	630.000	709.130	1.000	0.	0.	28.314	7.350	0.
9.500	630.000	721.601	0.	13.471	0.	69.286	0.	1100.000
9.500	630.000	721.870	0.269	12.740	0.	16.001	53.285	1100.000
9.750	630.000	722.375	0.	0.774	0.	89.377	0.	25.000
9.750	630.000	723.670	1.295	1.800	0.	27.529	41.848	25.000
9.950	630.000	728.093	0.	5.718	0.	375.801	0.	20.000
9.950	630.000	729.388	1.295	5.718	0.	120.763	255.078	20.000
10.500	630.000	728.096	0.	0.032	0.	375.724	0.	60.000
10.500	630.000	729.390	1.294	0.002	0.	118.722	257.002	60.000

10.900	630.000	728.097	0.	0.002	0.	366.561	0.	40.000
10.900	630.000	729.391	1.294	0.001	0.	111.976	254.585	40.000
18.200	630.000	727.994	0.	-0.103	0.	133.060	0.	730.000
18.200	630.000	729.115	1.121	-0.276	0.	24.128	108.932	730.000
23.900	630.000	736.527	0.	8.332	0.	21.756	0.	670.000
24.900	630.000	736.551	0.224	7.436	0.	22.570	-0.814	670.000
25.000	420.000	737.804	0.	1.477	0.	26.000	0.	10.000
25.000	420.000	737.783	-0.021	1.232	0.	26.000	0.	10.000
25.500	420.000	746.935	0.	9.131	0.	205.385	0.	60.000
25.600	420.000	746.915	-0.021	9.131	0.	149.055	56.340	60.000
25.700	420.000	746.934	0.	-0.001	0.	147.448	0.	10.000
25.700	420.000	746.913	-0.021	-0.001	0.	105.761	41.747	10.000
34.000	420.000	747.974	0.	1.040	0.	48.068	0.	830.000
34.000	420.000	748.719	0.745	1.806	0.	15.467	32.541	830.000
41.700	420.000	762.212	0.	14.238	0.	22.242	0.	770.000
41.700	420.000	762.610	0.398	13.891	0.	23.368	-1.126	770.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0.	0.	10.427	0.
2	4.000	0.	4.029	-6.397

32212

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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
T2 FLOOD INSURANCE  
T3 TRIB C=12 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEI	FD
	0.	5.	0.	0.	0.	0.	0.	0.	709,130	0.

J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	0.	0.	0.	0.	0.	0.	0.	0.	0.

32208

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

T1 GASTONIA N.C.  
 T2 FLOOD INSURANCE  
 T3 TRIC-12 100 YP G

J1 ICHECK INQ NINV IDIP STRT METRIC RVINS WSEI FG  
 0. 0. 0. 0. 0. 0. 0. 0. 0. 708.130 0.

J2 NPROF IPLDT PRFVS XSECV XSECH FN ALLDC TRM CHNIN ITRACE  
 1.000 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

J3 1.000 34.000 3.000 4.000 27.000 28.000 26.000 0. 0. 0.  
 NC 0.060 0.060 0.050 0.100 0.300 0. 0. 0. 0. 0.  
 BT 5.000 300.000 545.000 630.000 630.000 820.000 0. 0. 0. 0.  
 ET 0. 0. 0. 0. 10.400 0. 0. 0. 0. 0.

X1 679.000 25.000 337.000 366.000 0. 0. 0. 0. 0. 0.  
 GR 725.000 0. 722.100 15.000 723.000 25.000 722.900 30.000 716.100 55.000  
 GR 717.000 100.000 717.200 150.000 716.900 200.000 715.800 255.000 712.000 267.000  
 GR 711.200 300.000 709.800 337.000 702.000 345.000 701.100 355.000 701.700 363.000  
 GR 706.300 366.000 707.000 376.000 713.000 378.000 711.000 400.000 711.000 450.000  
 GR 712.500 500.000 712.200 550.000 711.700 600.000 713.800 650.000 725.000 687.000

X1 9.500 14.000 194.000 210.000 1100.000 1100.000 1100.000 0. 0. 0.  
 GR 735.000 0. 728.500 100.000 723.100 150.000 719.500 194.000 717.800 196.000  
 GR 717.700 200.000 717.900 204.000 719.600 210.000 722.500 250.000 727.200 300.000  
 GR 727.300 350.000 727.300 450.000 730.000 550.000 730.000 650.000 0. 0.

X1 9.750 0. 0. 0. 25.000 25.000 25.000 0. 0. 0.  
 X3 10.000 0. 0. 0. 0. 0. 0. 721.500 721.500 0.  
 SB 0. 1.500 3.000 0. 5.100 0. 33.200 0. 0. 0.

X1 9.950 17.000 197.700 202.300 20.000 20.000 20.000 0. 0. 0.  
 X2 0. 0. 1.000 721.500 727.500 0. 0. 0. 0. 0.  
 X3 10.000 0. 0. 0. 0. 0. 0. 727.500 727.500 0.  
 BT 14.000 0. 737.700 0. 0. 737.700 0. 100.000 728.400 0.  
 BT 150.000 727.400 0. 194.000 727.500 0. 197.700 727.500 719.200 198.400  
 BT 727.500 720.800 200.000 727.500 721.500 201.600 727.500 720.800 202.300 727.500  
 BT 719.200 210.000 727.600 0. 300.000 728.300 0. 350.000 729.500 0.  
 BT 650.000 730.500 0. 0. 0. 0. 0. 0. 0. 0.  
 GR 735.000 0. 728.500 100.000 723.100 150.000 719.500 194.000 719.200 197.700  
 GR 717.600 198.400 717.000 200.000 717.600 201.600 719.200 202.300 717.900 204.000  
 GR 719.600 210.000 722.500 250.000 727.200 300.000 727.300 350.000 727.300 450.000  
 GR 730.000 550.000 730.000 650.000 0. 0. 0. 0. 0. 0.

X1 10.500 14.000 194.000 210.000 60.000 60.000 60.000 0. 0. 0.  
 X3 10.000 0. 0. 0. 0. 0. 0. 727.500 727.500 0.  
 GR 735.000 0. 728.500 100.000 723.100 150.000 719.500 194.000 717.800 196.000  
 GR 717.700 200.000 717.900 204.000 719.600 210.000 722.500 250.000 727.200 300.000  
 GR 727.300 350.000 727.300 450.000 730.000 550.000 730.000 650.000 0. 0.

X1 10.900 14.000 194.000 210.000 40.000 40.000 40.000 0. 0.200 0.  
 GR 735.000 0. 728.500 100.000 723.100 150.000 719.500 194.000 717.800 196.000

GR	717,700	200,000	717,900	204,000	730,000	719,600	210,000	722,500	730,000	650,000	727,200	500,000
GR	728,800	100,000	728,900	350,000	728,500	728,500	391,000	721,700	721,700	398,000	721,900	400,000
GR	745,700	0	738,900	100,000	736,200	150,000	734,900	730,000	730,000	0	732,100	250,000
GR	731,700	148,000	731,400	150,000	731,100	152,000	737,300	737,300	143,000	739,100	180,000	180,000
GR	746,100	185,000	746,900	200,000	749,800	250,000	750,100	750,100	300,000	754,000	350,000	350,000
GR	751,000	0	747,400	34,000	754,500	50,000	757,400	100,000	100,000	757,700	157,000	190,000
GR	731,700	148,000	731,400	150,000	731,100	152,000	737,300	737,300	143,000	739,100	180,000	180,000
GR	739,100	180,000	746,100	190,000	735,700	197,700	734,100	734,100	198,400	733,500	200,000	200,000
GR	751,000	0	747,400	34,000	754,500	50,000	757,400	100,000	100,000	757,700	137,000	180,000
BT	0	300,000	750,000	0	550,000	753,700	0	0	0	0	0	0
BT	745,900	737,300	202,300	745,900	735,700	292,300	743,900	200,000	0	250,000	747,500	0
BT	197,700	745,900	735,700	198,400	745,900	737,300	200,000	200,000	745,900	738,000	201,600	0
BT	12,000	0	752,200	0	100,000	747,900	0	0	190,000	746,100	0	0
X3	10,000	0	0	0	0	0	0	0	746,400	0	0	0
X2	0	0	1,000	738,000	745,900	0	0	0	0	0	0	0
X1	25,600	20,000	197,700	202,300	60,000	40,000	60,000	60,000	0	0	0	0
SB	0	1,500	5,000	0	3,500	0	14,000	0	0	738,000	0	0
X3	10,000	0	0	0	0	0	0	0	0	738,000	0	0
X1	25,000	0	0	0	10,000	10,000	10,000	10,000	0	0	0	0
BT	5,000	200,000	355,000	420,000	420,000	420,000	550,000	550,000	0	0	0	0
GR	746,100	185,000	746,900	200,000	749,800	250,000	750,100	750,100	300,000	754,000	350,000	350,000
GR	731,700	148,000	731,400	150,000	731,100	152,000	737,300	737,300	143,000	739,100	180,000	180,000
GR	751,000	0	747,400	34,000	754,500	50,000	757,400	100,000	100,000	757,700	137,000	180,000
X1	24,900	15,000	137,000	143,000	670,000	470,000	670,000	670,000	0	0	0	0
GR	722,200	402,000	726,500	407,000	727,600	450,000	732,400	450,000	500,000	739,700	550,000	550,000
GR	728,800	100,000	728,900	350,000	728,500	391,000	721,700	721,700	398,000	721,900	400,000	400,000
GR	745,700	0	738,900	100,000	736,200	150,000	734,900	730,000	730,000	732,100	250,000	250,000
X1	18,200	16,000	391,000	407,000	730,000	730,000	730,000	730,000	0	0	0	0
GR	727,300	350,000	727,300	450,000	730,000	550,000	730,000	730,000	650,000	727,200	500,000	500,000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-11 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL GROUND	DTSCHARGE (CFS)	CWSEL	TW	ER	TOPWTD	STENCI	STPACH	VCH
679.00		-0	0	701.10	700.00	708.13	108.92	708.43	37.46	0	0	4.45
679.00		-0	0	701.10	700.00	709.13	134.91	709.37	28.31	337.00	366.00	3.91
9.00	1050.00	0	0	714.40	700.00	719.25	44.12	720.40	48.27	0	0	9.31
9.00	1050.00	0	0	714.40	700.00	719.18	33.37	721.20	15.00	193.00	208.00	11.51
21.00	1200.00	0	0	726.40	700.00	734.79	82.56	735.13	76.93	0	0	5.14
21.00	1200.00	0	0	726.40	700.00	736.07	91.62	736.46	24.00	241.00	265.00	5.03
21.75	75.00	0	0	726.40	700.00	735.34	107.80	735.55	81.33	0	0	4.14
21.75	75.00	0	0	726.40	700.00	736.52	111.25	736.83	24.15	236.85	265.00	4.52
22.25	50.00	0	0	728.20	700.00	742.81	1074.63	742.81	218.44	0	0	.71
22.25	50.00	0	0	728.20	700.00	743.98	1177.32	743.90	127.65	172.12	299.77	.68
22.50	25.00	0	0	728.80	700.00	742.84	329.21	742.88	121.03	0	0	1.73
22.50	25.00	0	0	728.80	700.00	744.00	383.62	744.00	55.00	145.00	240.00	1.59
28.00	550.00	0	0	746.00	700.00	749.42	35.32	750.76	30.93	0	0	9.29
28.00	550.00	0	0	746.00	700.00	749.38	34.20	750.77	27.00	188.00	215.00	9.46

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
679.000	700.000	708.130	0	0	0	37.660	0	-0
679.000	700.000	709.130	1.000	0	0	28.310	9.350	-0
9.000	700.000	719.252	0	11.122	0	48.271	0	1050.000
9.000	700.000	719.180	-0.071	10.050	0	15.001	33.270	1050.000
21.000	700.000	734.791	0	15.539	0	76.930	0	1200.000
21.000	700.000	736.068	1.277	16.888	0	24.001	52.933	1200.000
21.750	700.000	735.343	0	.552	0	81.327	0	75.000
21.750	700.000	736.516	1.174	.448	0	24.152	53.175	75.000
22.250	700.000	742.810	0	7.467	0	218.440	0	50.000
22.250	700.000	743.983	1.174	7.467	0	127.640	90.791	50.000
22.500	700.000	742.838	0	.029	0	121.026	0	25.000
22.500	700.000	744.003	1.164	.015	0	55.001	66.025	25.000
28.000	700.000	749.421	0	6.583	0	30.930	0	550.000
28.000	700.000	749.378	-0.043	5.375	0	27.001	3.928	550.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	0	4.082	0
2	4.000	.024	0	3.157	-3.825

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIS C-11 FLOODWAY

J1	TCHECK	IND	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	5.	-0	-0	-0	-0	-0	-0	709.130	-0
J2	NPROF	IPLDT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	TTPACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12513

GR

X1  
 GR 76.

# Floodway

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 MEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA NC  
 T2 FLOOD INSURANCE  
 T3 TRIS C-11 100-YR W

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	WVINS	C	WSEL	FQ
	0	4	0	0	0	0	0	0	708,130	-0
J2	NPROF	TPILOT	PREVS	YSFCV	YSFCW	FN	ALLDC	IRA	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	-0	-0	-0
NC	.070	.070	.060	.100	.300	-0	-0	-0	-0	-0
RT	5,000	330,000	600,000	700,000	700,000	900,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0
X1	670,000	25,000	337,000	306,000	-0	-0	-0	-0	-0	-0
GR	725,000	0	722,100	15,000	723,000	25,000	722,900	30,000	716,100	55,000
GR	717,000	100,000	717,200	150,000	716,900	200,000	715,800	255,000	712,000	267,000
GR	711,200	300,000	709,800	337,000	702,000	345,000	701,100	355,000	701,700	363,000
GR	706,300	368,000	707,000	376,000	713,000	378,000	711,000	400,000	711,000	450,000
GR	712,500	500,000	712,200	550,000	711,700	600,000	713,800	450,000	725,000	487,000
X1	9,000	12,000	193,000	208,000	1050,000	1050,000	1050,000	-0	-0	-0
GR	740,000	0	729,800	100,000	722,800	150,000	717,700	193,000	714,500	196,000
GR	714,400	200,000	714,600	204,000	716,800	208,000	721,900	250,000	733,900	300,000
GR	735,000	350,000	740,000	410,000	-0	-0	-0	-0	-0	-0
X1	21,000	14,000	241,000	265,000	1200,000	1200,000	1200,000	-0	-0	-0
GR	755,000	0	751,300	100,000	751,200	110,000	740,500	150,000	732,700	200,000
GR	734,300	241,000	726,500	248,000	726,400	250,000	726,900	252,000	735,800	265,000
GR	737,200	300,000	741,600	350,000	747,800	400,000	750,000	450,000	-0	-0
X1	21,750	-0	-0	-0	75,000	75,000	75,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	732,100	732,100	-0
SB	0	1,500	3,000	0	3,100	0	12,600	0	-0	-0
X1	22,250	16,000	248,000	252,000	50,000	50,000	50,000	-0	-0	-0
X2	-0	-0	1,000	732,100	742,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	742,500	742,500	-0
BT	15,000	0	757,000	-0	100,000	748,500	-0	100,000	748,500	-0
BT	150,000	744,700	-0	200,000	741,800	-0	240,000	741,000	-0	248,000
BT	742,000	730,200	248,600	742,000	731,600	250,000	742,000	732,100	251,400	742,000
BT	731,600	252,000	742,000	730,200	265,000	741,000	-0	300,000	742,100	-0
BT	400,000	746,400	-0	480,000	755,000	-0	-0	-0	-0	-0
GR	755,000	0	751,300	100,000	751,200	110,000	740,500	150,000	732,700	200,000
GR	734,300	240,000	730,200	248,000	728,800	248,600	728,200	250,000	728,800	251,400
GR	730,200	252,000	735,800	265,000	737,200	300,000	741,600	350,000	747,800	400,000
GR	750,000	480,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	22,500	17,000	185,000	215,000	1625,000	25,000	25,000	-0	-0	-0
GR	760,000	0	755,000	60,000	751,500	100,000	740,100	123,000	741,500	150,000

12510



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-10-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL. OF ROADWAY	MAY EL. OF LOW CHORD	MIN EL. OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWTD	STENCL	STENCR	VCH
20.00		-0	0	0	706.60	820.00	710.84	30.23	712.36	28.04	0	10.73
20.00		-0	0	0	708.60	820.00	712.24	30.27	714.02	22.96	303.78	10.91
6.00	600.00		0	0	710.80	820.00	719.20	118.01	719.45	146.07	0	4.64
6.00	600.00		0	0	710.80	820.00	720.37	117.21	720.75	31.37	292.00	5.06
10.25	425.00		0	0	716.40	820.00	722.68	41.69	724.36	20.54	0	10.39
10.25	425.00		0	0	716.40	820.00	723.65	57.55	724.60	22.90	292.00	8.18
14.50	425.00		0	0	722.00	820.00	730.05	97.29	730.41	135.09	0	5.39
14.50	425.00		0	0	722.00	820.00	730.21	78.42	730.91	23.00	292.00	6.70
18.75	425.00		0	0	727.60	820.00	734.55	53.16	735.69	94.00	0	8.63
18.75	425.00		0	0	727.60	820.00	735.39	68.90	736.21	23.00	292.00	7.28
23.00	425.00		0	0	732.80	820.00	737.53	201.22	737.57	170.48	0	2.53
23.00	425.00		0	0	732.80	820.00	738.10	176.57	738.19	76.40	65.01	3.15

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
20.000	820.000	710.841	0	0	0	28.041	0	-0
20.000	820.000	712.238	1.397	0	0	22.955	5.485	-0
6.000	820.000	719.200	0	8.359	0	146.067	0	600.000
6.000	820.000	720.372	1.172	8.133	0	31.373	114.694	600.000
10.250	820.000	722.682	0	3.482	0	20.543	0	425.000
10.250	820.000	723.654	.971	3.282	0	22.902	-2.359	425.000
14.500	820.000	730.050	0	7.367	0	135.091	0	425.000
14.500	820.000	730.212	.163	6.559	0	23.001	112.090	425.000
18.750	820.000	734.555	0	4.505	0	94.001	0	425.000
18.750	820.000	735.391	.836	5.176	0	23.001	71.000	425.000
23.000	820.000	737.520	0	2.974	0	170.475	0	425.000
23.000	820.000	738.103	.575	2.713	0	76.402	94.074	425.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	5.182	0
2	4.000	.348	1.572	-3.600

12507

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-10-1 FLOODWAY

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	WVINS	D	WSFL	EQ
	-0	5.	-0	-0	-0	-0	-0	-0	711,630	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	TTRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12505

# Floodway

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,0A,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRTB C-10-1 100-YR W

J1	ICHECK	INC	NINV	IOIR	STRT	MFTRIC	HVINS	D	WSEL	FG
	0	4	0	0	0	0	0	0	710,630	-0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IRN	CHNIM	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	.090	.090	.000	.100	.300					
QT	5,000	395,000	700,000	820,000	820,000	1070,000				
ET	-0	-0	-0	-0	10,400					
X1	20,000	24,000	342,000	355 364,000						
GR	736,000	0	733,400	50,000	730,700	100,000	728,300	130,000	725,300	150,000
GR	717,600	186,000	716,800	200,000	715,200	250,000	713,900	292,000	706,700	297,000
GR	706,600	300,000	706,700	303,000	714,500	309,000	712,800	342,000	706,900	350,000
GR	706,800	354,000	707,300	358,000	714,300	364,000	716,100	400,000	717,500	450,000
GR	719,300	500,000	720,100	550,000	722,400	600,000	735,000	650,000		
X1	6,000	17,000	292,000	305 315,000	600,000	600,000	600,000			
GR	738,500	0	738,700	50,000	736,700	100,000	734,000	150,000	731,000	175,000
GR	727,700	200,000	720,500	250,000	718,200	292,000	710,900	297,000	710,800	300,000
GR	711,400	303,000	718,000	315,000	717,400	350,000	717,700	400,000	719,600	425,000
GR	726,300	450,000	742,700	500,000						
X1	10,250	0	0	0	425,000	425,000	425,000		5,600	
X1	14,500	0	0	0	425,000	425,000	425,000		5,600	
X1	18,750	0	0	0	425,000	425,000	425,000		5,600	
X1	23,000	12,000	97,000	103 103,000	425,000	425,000	425,000			
GR	740,100	0	734,500	50,000	732,800	45,000	733,700	97,000	733,500	98,000
GR	753,400	100,000	733,600	102,000	733,800	103,000	733,000	135,000	734,400	150,000
GR	738,000	200,000	739,200	250,000						
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12503

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-10 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCI	STENCH	VCH
645.10	-0	0	0	692.40	1250.00	699.70	124.33	700.23	69.70	0	0	5.86
645.10	-0	0	0	692.40	1250.00	700.70	138.35	700.98	142.86	350.00	700.00	4.21
7.00	1675.00	0	0	699.60	1250.00	707.10	262.44	707.20	397.76	0.580	0	3.30
7.00	1675.00	0	0	699.60	1250.00	708.00	243.74	708.16	221.88	486.00	707.89	3.96
7.30	30.00	0	0	699.60	1250.00	707.40	375.31	707.55	431.24	0	0	2.45
7.30	30.00	0	0	699.60	1250.00	708.11	291.10	708.23	240.94	486.00	726.94	3.35
7.70	40.00	0	0	700.00	1250.00	709.58	1370.05	709.50	527.99	0.580	0	.71
7.70	40.00	0	0	700.00	1250.00	710.21	1175.39	710.22	315.57	486.00	801.57	.84
8.00	30.00	0	0	700.60	1250.00	709.40	257.51	709.65	424.79	0.580	0	4.30
8.00	30.00	0	0	700.60	1250.00	709.98	222.94	710.33	69.36	474.23	543.59	5.19
14.00	600.00	0	0	702.60	1250.00	710.65	311.52	710.80	250.93	0.580	0	2.99
14.00	600.00	0	0	702.60	1250.00	711.56	283.29	711.81	66.97	266.03	333.00	3.64
20.00	600.00	0	0	706.60	1250.00	712.01	88.38	713.84	32.73	0.580	0	8.67
20.00	600.00	0	0	706.60	1250.00	713.25	96.26	714.80	37.47	300.51	364.00	9.04
29.50	950.00	0	0	715.90	1250.00	723.42	157.19	723.85	133.38	0.580	0	6.33
29.50	950.00	0	0	715.90	1250.00	724.18	147.05	724.91	47.56	69.59	117.14	7.36
40.00	1050.00	0	0	724.70	1250.00	731.47	124.85	732.18	107.92	0.580	0	7.83
40.00	1050.00	0	0	724.70	1250.00	732.61	128.84	733.62	30.92	142.00	172.92	8.05
52.00	1200.00	0	0	738.20	1250.00	744.69	113.24	745.42	111.38	0.580	0	7.97
52.00	1200.00	0	0	738.20	1250.00	745.78	108.53	746.90	33.36	140.00	173.36	9.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH R	CWSEL DIFF EACH SECTION	CWSEL WSELY	TOPWID	T.W. DIFF	LENGTH
645.100	1250.000	699.700	0	0	0	69.702	0	-0
645.100	1250.000	700.700	1.000	0	0	142.860	-74.162	-0
7.000	1250.000	707.097	0	7.397	0	397.757	0	1675.000
7.000	1250.000	708.001	.904	7.301	0	221.885	175.872	1675.000
7.300	1250.000	707.491	0	.395	0	431.240	0	30.000
7.300	1250.000	708.115	.624	.110	0	240.940	190.300	30.000
7.700	1250.000	709.585	0	2.090	0	527.995	0	40.000
7.700	1250.000	710.208	.623	2.090	0	315.570	212.425	40.000
8.000	1250.000	709.488	0	-.097	0	424.790	0	30.000
8.000	1250.000	709.983	.495	-.225	0	69.361	355.433	30.000
14.000	1250.000	710.647	0	1.150	0	250.932	0	600.000
14.000	1250.000	711.561	.914	1.577	0	66.973	183.950	600.000
20.000	1250.000	712.008	0	1.361	0	32.731	0	600.000
20.000	1250.000	713.250	1.242	1.690	0	37.460	-4.727	600.000
29.500	1250.000	723.421	0	11.413	0	133.380	0	950.000

29,500	1250,000	724,180	.759	10,930	0	47,556	85,828	950,000
40,000	1250,000	731,470	0	8,648	0	107,919	0	1050,000
40,000	1250,000	732,609	1,140	8,429	0	30,918	77,001	1050,000
52,000	1250,000	744,693	0	13,223	0	111,378	0	1200,000
52,000	1250,000	745,780	1,087	13,171	0	33,356	78,022	1200,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	20.370	0
2	4,000	.486	11.977	-12.393

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-1A-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
7.50	-0	0	0	739.20	565.00	743.19	45.37	744.25	24.52	0	0	8.34
7.50	-0	0	0	739.20	565.00	744.10	61.89	744.82	23.58	324.00	355.00	6.35
4.00	400.00	0	0	743.00	565.00	748.18	60.13	748.58	40.16	0	0	5.64
4.00	400.00	0	0	743.00	565.00	748.47	42.70	749.65	24.27	127.01	350.00	8.78
8.50	450.00	0	0	745.50	565.00	751.62	61.04	752.34	67.11	0	0	7.26
8.50	450.00	0	0	745.50	565.00	753.14	76.27	753.77	14.00	86.00	100.00	6.38
11.65	315.00	0	0	749.30	565.00	754.85	45.25	756.04	44.85	0	0	9.00
11.65	315.00	0	0	749.30	565.00	755.33	49.36	756.47	14.00	86.00	100.00	8.55
14.80	315.00	0	0	753.10	565.00	758.22	78.85	758.72	43.23	0	0	5.74
14.80	315.00	0	0	753.10	565.00	758.45	80.20	758.93	23.00	140.00	163.00	5.59

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWID	T.W. DIFF	LENGTH
7.500	565.000	743.190	0	0	0	24.523	0	-0
7.500	565.000	744.190	1.000	0	0	23.585	.938	-0
4.000	565.000	748.184	0	4.990	0	40.163	0	400.000
4.000	565.000	748.466	.282	4.276	0	24.260	15.894	400.000
8.500	565.000	751.623	0	3.439	0	67.113	0	450.000
8.500	565.000	753.137	1.514	4.671	0	14.001	53.112	450.000
11.650	565.000	754.852	0	3.228	0	44.840	0	315.000
11.650	565.000	755.333	.481	2.196	0	14.001	32.848	315.000
14.800	565.000	758.220	0	3.360	0	43.234	0	315.000
14.800	565.000	758.445	.225	3.112	0	23.001	20.233	315.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	PNC	TARGET	TOP WIDTH AREA-ACPEE	TOP WIDTH AREA-DIFF
1	0	0	0	1.580	0
2	4.000	0.282	0.652	-0.956	

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIS C-16-1 FLOODWAY

J1	ICHECK	TNO	NINV	TDIR	STRT	METRIC	HVINS	Q	WSFL	FQ
	-0	5.	-0	-0	-0	-0	-0	-0	744.190	-0

J2	NPROF	TPLOT	PREVS	YSECV	YSECH	FN	ALLOC	IRN	CHNIM	ITRACE
	15.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12552

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

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-1A-1 100-YR W

J1	ICHECK	IND	NINV	TDIR	STPT	METRIC	HVINS	Q	WSEL	EQ
	0	4	0	0	0	0	0	0	743,190	-0
J2	NPROF	TPIOT	PRFVS	XSFCV	YSFCV	FN	ALLDC	IRW	CHNTM	TTRAF
	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
NC	.065	.065	.045	.100	.300		-0		-0	-0
QT	5,000	270,000	480,000	565,000	565,000	730,000			-0	-0
ET	-0	-0	-0	-0	10,400		-0		-0	-0
X1	7,500	20,000	324,000	340 355,000		-0	-0		-0	-0
GR	760,100	0	759,600	12,000	759,800	15,000	755,400	50,000	753,700	100,000
GR	752,800	120,000	749,800	150,000	745,300	177,000	740,800	200,000	745,400	250,000
GR	747,900	300,000	747,200	318,000	740,000	324,000	739,900	329,000	739,200	339,000
GR	748,500	355,000	758,200	400,000	765,700	450,000	772,300	500,000	775,700	550,000
Y1	4,000	25,000	331,000	340 350,000	400,000	400,000	400,000		-0	-0
GR	753,200	0	752,800	15,000	749,600	50,000	748,800	100,000	748,700	106,000
GR	743,700	118,000	743,400	120,000	743,600	122,000	752,200	135,000	755,800	150,000
GR	757,100	157,000	758,700	200,000	758,600	220,000	751,000	250,000	749,100	300,000
GR	748,400	331,000	743,100	339,000	743,000	342,000	743,400	344,000	748,400	350,000
GR	752,200	400,000	760,000	450,000	768,900	486,000	768,600	488,000	769,000	500,000
X1	8,500	14,000	86,000	95 100,000	450,000	450,000	450,000		-0	-0
GR	762,900	0	762,600	15,000	762,800	18,000	753,400	50,000	750,500	86,000
GR	745,600	89,000	745,500	93,000	746,000	96,000	749,900	100,000	752,100	150,000
GR	756,500	170,000	764,600	200,000	767,000	250,000	767,700	264,000		-0
X1	11,650	-0	-0	-0	315,000	315,000	315,000		-0	3,800
Y1	14,800	14,000	140,000	150 163,000	315,000	315,000	315,000		-0	-0
GR	773,800	0	773,700	15,000	772,200	50,000	771,300	100,000	756,500	140,000
GR	753,200	145,000	753,100	150,000	753,500	158,000	757,200	153,000	759,600	200,000
GR	768,800	220,000	769,200	235,000	769,600	250,000	775,000	300,000		-0
EJ	-0	-0	-0	-0	-0	-0	-0		-0	-0

12552



# Floddy

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 HEC2 VERSION UPDATED JAN 197A  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-16 100-YR G

J1	ICHECK	INR	NINV	IDIR	STRT	METRIC	WVINS	Q	WSEL	FQ
	0	4.	0	0	0	0	0	0	741,700	-0

J2	NPROF	IPLT	PRFVS	XSECV	XSFCH	FN	ALLDC	IRA	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	.065	.065	.045	.100	.300					
QT	5,000	380,000	680,000	790,000	790,000	1030,000				
ET	-0	-0	-0	-0	10,400	-0				

X1	746,000	20,000	478,000	500,000						
GR	751,400	0	750,800	27,000	750,000	17,000	743,200	50,000	742,700	100,000
GR	742,900	150,000	742,600	200,000	741,700	300,000	737,200	350,000	737,000	400,000
GR	737,200	450,000	740,000	457,000	733,800	465,000	737,900	478,000	732,200	484,000
GR	732,000	488,000	732,200	497,000	737,200	500,000	743,700	550,000	749,400	600,000

X1	5,000	23,000	400,000	428,000	500,000	500,000	500,000			
GR	759,500	0	759,200	12,000	759,200	18,000	746,900	32,000	745,100	50,000
GR	744,800	100,000	745,100	150,000	745,200	200,000	745,000	250,000	744,700	300,000
GR	744,300	350,000	742,100	400,000	737,000	409,000	736,900	413,000	737,200	419,000
GR	744,500	428,000	750,600	455,000	750,000	500,000	754,700	550,000	756,200	600,000
GR	762,100	615,000	763,300	650,000	764,900	700,000				

X1	7,500	20,000	324,000	355,000	250,000	250,000	250,000			
GR	760,100	0	759,600	12,000	759,800	15,000	755,400	50,000	753,700	100,000
GR	752,800	120,000	749,800	150,000	745,300	177,000	744,800	200,000	745,400	250,000
GR	747,900	300,000	747,200	318,000	740,000	324,000	739,900	329,000	739,200	339,000
GR	748,500	355,000	758,200	400,000	765,700	450,000	772,300	500,000	775,700	550,000
QT	5,000	270,000	480,000	565,000	565,000	730,000				

X1	12,500	14,000	131,000	250,000	500,000	500,000	500,000			
GR	758,700	0	758,600	20,000	751,000	50,000	749,100	100,000	748,400	131,000
GR	743,100	139,000	743,000	142,000	743,400	144,000	748,400	150,000	752,200	200,000
GR	760,000	250,000	768,900	284,000	768,600	289,000	769,000	300,000		

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-15 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TD	EQ	TOPWTD	STENCL	STENCR	VCH
727.50		-0	0	721.00	645.00	725.26	60.24	726.54	19.22	0	0	8.36
727.50		-0	0	721.00	645.00	726.26	71.74	726.98	18.00	491.00	509.00	6.81
9.50	950.00		0	733.20	645.00	739.07	58.10	739.80	87.94	0	0	8.34
9.50	950.00		0	733.20	645.00	738.76	36.71	740.87	13.62	142.00	155.62	11.67
10.00	50.00		0	733.20	645.00	739.93	108.54	740.15	121.11	0	0	5.02
10.00	50.00		0	733.20	645.00	741.10	108.06	741.40	32.26	142.00	174.26	4.75
10.01	1.00		0	733.20	645.00	745.53	1268.87	745.57	217.39	0	0	.51
10.01	1.00		0	733.20	645.00	746.69	1331.36	746.69	129.05	102.45	231.50	.52
11.00	40.00		0	737.90	645.00	745.52	556.18	745.50	194.78	0	0	1.11
11.00	40.00		0	737.90	645.00	746.68	587.91	746.70	107.54	146.11	249.64	1.18
16.00	500.00		0	741.30	645.00	745.74	47.61	746.47	80.82	0	0	8.48
16.00	500.00		0	741.30	645.00	746.47	35.67	747.88	22.53	96.00	118.53	10.28

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH D	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
727.500	645.000	725.260	0	0	0	19.217	0	-0
727.500	645.000	726.260	1.000	0	0	18.001	1.216	-0
9.500	645.000	739.070	0	13.814	0	87.941	0	950.000
9.500	645.000	738.760	-0.310	12.500	0	13.620	74.321	950.000
10.000	645.000	739.930	0	.860	0	121.107	0	50.000
10.000	645.000	741.096	1.162	2.336	0	32.257	88.850	50.000
10.010	645.000	745.527	0	5.597	0	213.388	0	1.000
10.010	645.000	746.689	1.162	5.597	0	129.047	84.341	1.000
11.000	645.000	745.523	0	-0.004	0	194.775	0	40.000
11.000	645.000	746.682	1.159	-0.007	0	103.535	91.240	40.000
16.000	645.000	745.742	0	.219	0	80.827	0	500.000
16.000	645.000	746.425	.683	-0.257	0	22.532	58.291	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3.061	0
2	0.000	.562	1.203	-1.858



GR	740,000	830,000	745,000	970,000	750,000	1085,000				
X1	9,500	12,000	142,000	145 152,000	950,000	950,000		-0	-0	-0
GR	750,800	0	746,700	50,000	741,600	75,000	950,000		-0	-0
GR	733,800	147,000	733,200	150,000	733,700	152,000	740,000	100,000	737,400	142,000
GR	740,600	250,000	753,500	300,000			737,900	150,000	738,700	200,000
X1	10,000	-0	-0	-0	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	// -0	-0	-0	-0	-0	-0
SB	0	1,500	1,000	0	3,140	0	12,600	739,500	739,500	-0
X1	10,010	19,000	198,000	200 202,000	1,000	1,000	1,000	-0	-0	-0
X2	-0	-0	1,000	739,500	744,200	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
BT	13,000	0	754,500	-0	100,000	747,200	-0	744,700	744,700	-0
BT	190,000	744,500	-0	198,000	744,200	737,500	198,600	744,200	738,900	200,000
BT	744,200	739,500	201,400	744,200	738,900	202,000	744,200	737,500	210,000	744,200
BT	-0	250,000	744,200	-0	300,000	745,700	-0	000,000	755,400	-0
GR	754,800	0	746,700	50,000	741,600	75,000	740,900	100,000	737,400	142,000
GR	733,800	147,000	733,200	150,000	733,700	152,000	737,900	150,000	738,500	190,000
GR	737,500	198,000	736,100	198,600	735,500	200,000	736,100	201,400	737,500	202,000
GR	739,100	210,000	740,600	250,000	753,500	300,000	755,000	400,000	-0	-0
X1	11,000	10,000	188,000	193 205,000	40,000	40,000	40,000	-0	-0	-0
GR	755,900	0	749,600	50,000	748,000	60,000	747,700	80,000	744,100	100,000
GR	741,700	150,000	741,700	188,000	738,000	198,000	737,900	200,000	738,200	202,000
GR	740,200	205,000	740,900	250,000	741,700	270,000	748,500	300,000	751,300	350,000
GR	755,400	400,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	16,000	11,000	96,000	120 104,000	500,000	500,000	500,000	-0	-0	-0
GR	758,600	0	748,000	50,000	744,200	96,000	741,500	97,000	741,300	100,000
GR	741,600	103,000	744,300	104,000	744,600	150,000	751,600	200,000	755,100	220,000
GR	757,500	250,000	-0	-0	-0	-0	-0	-0	-0	-0
NUMBER		CFS								
3,000	790,000	722,092	0.	0.	0.	0.	0.	0.	0.	0.
3,000	790,000	722,093	0,002	0.	0.	0.	22,205	-0,004	0.	-0
3,500	790,000	725,899	0.	3,807	0.	0.	7,500	0.	50,000	0.
3,500	790,000	725,768	-0,131	3,675	0.	0.	7,500	0.	50,000	0.
4,000	790,000	729,650	0.	3,755	0.	0.	682,195	0.	50,000	0.
4,000	790,000	729,656	0,002	3,687	0.	0.	268,599	413,596	50,000	0.
6,500	790,000	729,282	0.	-0,412	0.	0.	22,348	0.	250,000	0.
6,500	790,000	729,059	-0,174	-0,587	0.	0.	12,001	10,347	250,000	0.
6,750	790,000	729,035	0.	-0,207	0.	0.	12,000	0.	25,000	0.
6,750	790,000	729,285	0,250	0,217	0.	0.	12,000	0.	25,000	0.
7,300	790,000	730,940	0.	1,929	0.	0.	8,000	0.	55,000	0.
7,300	790,000	728,574	-2,366	-0,711	0.	0.	8,000	0.	55,000	0.
7,500	790,000	732,479	0.	1,515	0.	0.	129,019	0.	20,000	0.
7,500	790,000	731,190	-1,289	2,015	0.	0.	24,834	104,185	20,000	0.
10,000	790,000	732,640	0.	0,362	0.	0.	132,732	0.	250,000	0.
10,000	790,000	731,889	-0,952	0,699	0.	0.	54,988	77,704	250,000	0.

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	3.240	0.
2	4,000	0,305	1.237	-2,003



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-10 FLOODWAY												
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	TQ	EG	TOPWID	STENCL	STENCR	VCH
3.00	0.	0.	0.	716.80	790.00	722.09	57.63	723.81	22.29	0. <sup>3</sup> 350	0.	10.52
3.00	0.	0.	0.	716.80	790.00	722.09	57.67	723.81	22.29	330.00	370.00	10.51
3.50	50.00	0.	0.	717.70	790.00	725.90	44.64	729.31	7.50	0. <sup>300</sup>	0.	14.82
3.50	50.00	0.	0.	717.70	790.00	725.77	43.27	729.31	7.50	296.70	303.70	15.10
4.00	50.00	0.	0.	717.30	790.00	729.65	827.63	729.67	682.20	0. <sup>350</sup>	0.	1.24
4.00	50.00	0.	0.	717.30	790.00	729.66	544.07	729.70	268.60	330.00	598.60	1.85
6.50	250.00	0.	0.	720.90	790.00	729.24	165.26	729.93	22.35	0. <sup>200</sup>	0.	7.09
6.50	250.00	0.	0.	720.90	790.00	729.07	99.07	730.16	12.00	194.00	206.00	8.39
6.75	25.00	0.	0.	720.90	790.00	729.08	112.42	730.14	12.00	0.	0.	8.43
6.75	25.00	0.	0.	720.90	790.00	729.29	102.92	730.32	12.00	194.00	206.00	8.17
7.30	55.00	733.20	729.30	721.30	790.00	730.96	76.89	732.58	8.00	0. <sup>200</sup>	0.	10.21
7.30	55.00	733.20	729.30	721.30	790.00	728.57	52.75	731.44	8.00	0.	0.	13.57
7.50	20.00	0.	0.	721.80	790.00	732.48	290.70	732.76	129.02	0. <sup>200</sup>	0.	4.78
7.50	20.00	0.	0.	721.80	790.00	731.19	202.63	731.74	24.83	190.16	215.00	6.27
10.00	250.00	0.	0.	723.70	790.00	732.84	345.99	732.93	132.73	0. <sup>205</sup>	0.	2.89
10.00	250.00	0.	0.	723.70	790.00	731.89	205.45	732.15	54.99	171.59	226.58	4.44

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH 0	CWSFL DIFF EACH SECTION	CWSFL-WSELK	TOPWID	T.W. DIFF	LENGTH
3.000	790.000	722.092	0.	0.	0.	22.290	0.	0.
3.000	790.000	722.093	0.002	0.	0.	22.295	-0.004	0.
3.500	790.000	725.899	0.	3.807	0.	7.500	0.	50.000
3.500	790.000	725.768	-0.131	3.675	0.	7.500	0.	50.000
4.000	790.000	729.654	0.	3.755	0.	682.195	0.	50.000
4.000	790.000	729.656	0.002	3.827	0.	268.599	413.596	50.000
6.500	790.000	729.242	0.	-0.412	0.	22.348	0.	250.000
6.500	790.000	729.069	-0.174	-0.587	0.	12.001	10.347	250.000
6.750	790.000	729.035	0.	-0.207	0.	12.000	0.	25.000
6.750	790.000	729.285	0.250	0.217	0.	12.000	0.	25.000
7.300	790.000	730.944	0.	1.929	0.	8.000	0.	55.000
7.300	790.000	728.574	-2.370	-0.711	0.	8.000	0.	55.000
7.500	790.000	732.479	0.	1.515	0.	129.019	0.	20.000
7.500	790.000	731.190	-1.289	2.615	0.	24.834	104.185	20.000
10.000	790.000	732.840	0.	0.362	0.	132.732	0.	250.000
10.000	790.000	731.889	-0.952	0.699	0.	54.988	77.744	250.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	3.240	0.
2	4.070	0.305	1.237	-2.003



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

T1 GASTONIA N-C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-10 100 YR D

J1	ICHECK	INC	NTNV	IDIR	STRT	METRIC	HVINS	W	WSEL	FG
	0.	0.	0.	0.	0.	0.	0.	0.	718.250	0.
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLOC	TRW	CHNIN	ITRACF
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	1.000	34.000	3.000	4.000	27.000	28.000	28.000	0.	0.	0.
NC	0.050	0.050	0.040	0.100	0.300	0.	0.	0.	0.	0.
QTY	5.000	380.000	680.000	790.000	790.000	1030.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10.400	0.	0.	0.	0.	0.
X1	3.000	15.000	330.000	370.000	0.	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	725.200	725.200	0.
GR	745.000	0.	740.000	40.000	735.000	140.000	731.200	200.000	729.800	250.000
GR	728.600	300.000	727.800	330.000	717.300	346.000	716.800	350.000	717.200	354.000
GR	728.400	370.000	727.700	400.000	727.400	450.000	727.400	950.000	737.000	1000.000
SB	0.	1.500	3.000	0.	6.000	0.	44.200	0.	0.	0.
X1	3.500	21.000	296.200	303.700	50.000	50.000	50.000	0.	0.	0.
X2	0.	0.	1.000	725.200	728.400	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	728.900	728.900	0.
BT	12.000	0.	740.000	0.	200.000	730.000	0.	290.000	728.600	0.
BT	296.200	728.400	721.400	297.300	728.400	724.000	300.000	728.400	725.200	302.600
BT	728.400	724.000	303.700	728.400	721.400	310.000	728.300	0.	450.000	727.000
BT	0.	950.000	728.000	0.	1000.000	757.000	0.	0.	0.	0.
GR	745.000	0.	740.000	40.000	735.000	140.000	731.200	200.000	729.800	250.000
GR	728.800	290.000	721.400	296.200	718.800	297.300	717.700	300.000	718.800	302.600
GR	721.400	303.700	728.600	310.000	727.800	330.000	717.300	346.000	716.800	350.000
GR	717.200	354.000	728.400	370.000	727.700	400.000	727.400	450.000	727.400	950.000
GR	737.000	1000.000	0.	0.	0.	0.	0.	0.	0.	0.
X1	4.000	15.000	330.000	370.000	50.000	50.000	50.000	0.	0.500	0.
GR	745.000	0.	740.000	40.000	735.000	140.000	731.200	200.000	729.800	250.000
GR	728.600	300.000	727.800	330.000	717.300	346.000	716.800	350.000	717.200	354.000
GR	728.400	370.000	727.700	400.000	727.400	450.000	727.400	950.000	737.000	1000.000
X1	6.500	14.000	184.000	206.000	250.000	250.000	250.000	0.	0.	0.
GR	745.000	0.	738.000	100.000	735.800	150.000	731.900	143.000	729.200	145.000
GR	721.400	194.000	720.900	200.000	721.700	205.000	729.500	207.000	731.400	250.000
GR	731.600	300.000	735.000	400.000	737.400	500.000	740.000	600.000	0.	0.
X1	6.750	0.	0.	0.	25.000	25.000	25.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	729.300	729.300	0.
SB	0.	1.500	3.000	0.	8.000	0.	64.000	0.	0.	0.
X1	7.300	17.000	186.000	204.000	55.000	55.000	55.000	0.	0.	0.
X2	0.	0.	1.000	729.300	733.200	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	733.700	733.700	0.

BT	13,000	0.	745,000	0.	100,000	739,300	0.	185,000	733,700	0.
BT	196,000	733,200	725,300	196,000	733,200	729,300	200,000	733,200	729,300	204,000
BT	733,200	729,300	204,000	733,200	725,300	210,000	732,700	0.	250,000	730,700
BT	0.	300,000	733,000	0.	400,000	733,500	0.	600,000	745,000	0.
GR	745,000	0.	738,000	100,000	735,800	150,000	731,900	163,000	729,200	185,000
GR	721,400	194,000	725,300	196,000	721,300	196,000	721,300	200,000	721,300	204,000
GR	721,700	206,000	729,500	210,000	731,400	250,000	731,600	300,000	735,000	400,000
GR	737,400	500,000	740,000	600,000	0.	0.	0.	0.	0.	0.
X1	7,500	14,000	194,000	206,000	20,000	20,000	20,000	0.	0,900	0.
GR	745,000	0.	738,000	100,000	735,800	150,000	731,900	163,000	729,200	185,000
GR	721,400	194,000	720,900	200,000	721,700	206,000	729,500	207,000	731,400	250,000
GR	731,600	300,000	735,000	400,000	737,400	500,000	740,000	600,000	0.	0.
X1	10,000	12,000	193,000	215,000	250,000	250,000	250,000	0.	0.	0.
GR	740,000	0.	735,000	80,000	734,200	100,000	731,300	150,000	729,000	193,000
GR	724,500	196,000	724,000	200,000	723,700	206,000	729,300	215,000	730,400	250,000
GR	742,400	280,000	743,500	300,000	0.	0.	0.	0.	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

32266



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

AVON CREEK FLOODWA

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	OF	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CASEL	TO	EL	TOPWID	STENCI	STENCR	VCH
82.40	-0	0	0	739.90	830.00	756.20	800.49	756.21	300.00	0	145	0	1.11
82.40	-0	0	0	739.90	830.00	757.20	815.83	757.22	106.22	126.19	232.40		1.16
90.00	760.00	0	0	750.60	830.00	755.71	60.79	756.40	33.03	0	200	0	7.05
90.00	760.00	0	0	750.60	830.00	757.08	105.17	757.46	37.62	182.00	221.00		4.90
90.20	20.00	0	0	750.60	830.00	756.16	74.00	756.74	30.74	0	0		6.25
90.20	20.00	0	0	750.60	830.00	757.22	110.22	757.58	37.82	182.00	221.00		4.84
91.30	110.00	0	0	750.70	830.00	777.07	6112.82	777.07	369.38	0	200	0	.20
91.30	110.00	0	0	750.70	830.00	778.13	6346.75	778.10	231.10	120.41	351.51		.20
91.60	30.00	0	0	756.80	830.00	777.07	2490.19	777.07	163.52	0	210	0	.34
91.60	30.00	0	0	756.80	830.00	778.13	2768.83	778.10	110.08	111.92	226.00		.34
95.40	380.00	0	0	760.00	675.00	777.07	1838.71	777.08	215.97	0	300	0	.52
95.40	380.00	0	0	760.00	675.00	778.10	1960.73	778.10	131.01	271.22	402.63		.51
95.60	20.00	0	0	760.00	675.00	777.07	1838.79	777.08	215.98	0	0		.52
95.60	20.00	0	0	760.00	675.00	778.10	1960.81	778.10	131.01	271.22	402.63		.51
97.60	200.00	0	0	766.90	675.00	784.88	37.32	786.33	0.00	0	350	0	9.67
97.60	200.00	0	0	766.90	675.00	785.90	39.78	787.23	0.00	348.00	352.00		9.12
97.90	30.00	0	0	767.30	655.00	786.33	1919.78	786.33	162.08	0	200	0	.56
97.90	30.00	0	0	767.30	655.00	787.23	1999.96	787.23	88.04	146.15	230.19		.55
98.20	30.00	0	0	767.30	655.00	786.33	1919.87	786.33	162.08	0	200	0	.56
98.20	30.00	0	0	767.30	655.00	787.23	2000.06	787.23	88.05	146.10	230.19		.55
101.10	200.00	0	0	749.30	655.00	786.33	2020.21	786.33	424.01	0	300	0	.25
101.10	200.00	0	0	749.30	655.00	787.23	3021.03	787.23	232.15	137.95	371.11		.25

SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIFF EACH W	CASEL DIFF EACH SECTION	CASEL-WSFLK	TOPWID	T.W. DIFF	LENGTH
82.400	830.000	756.200	0	0	0	300.000	0	-0
82.400	830.000	757.200	1.000	0	0	106.215	193.785	-0
90.000	830.000	755.715	0	-0.885	0	33.031	0	760.000
90.000	830.000	757.077	1.362	-0.123	0	37.617	-0.586	760.000
90.200	830.000	756.156	0	.441	0	30.738	0	20.000
90.200	830.000	757.219	1.062	.142	0	37.820	-3.085	20.000
91.300	830.000	777.072	0	20.916	0	369.382	0	110.000
91.300	830.000	778.135	1.062	20.916	0	231.097	138.285	110.000
91.600	830.000	777.070	0	-0.002	0	163.520	0	30.000
91.600	830.000	778.132	1.062	-0.003	0	110.080	49.440	30.000
95.400	675.000	777.070	0	.000	0	215.969	0	380.000
95.400	675.000	778.134	1.062	.000	0	131.410	84.558	380.000
95.600	675.000	777.075	0	.000	0	215.983	0	20.000



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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10.4  
 8.4

**Floodway**

3

T1 TONIA M C  
 T2 QOO INSURANCE  
 T3 AVON CREEK 100-YR Q

J1	ICHECK	ING	NTAV	INDF	STAT	MFIPIC	RVINS	D	WREI	FO
	-1.	0.	0.	0.	0.	0.	-1.0	0.	695.370	0.
J2	NPROF	IFLOT	PREVS	XSECV	XSEFM	FN	ALLOC	TRV	CHVIN	ITRACE
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.
J3	1,000	30,000	3,000	4,000	27,000	28,000	26,000	0.	0.	0.
NC	0,075	0,075	0,060	0,100	0,300	0.	0.	0.	0.	0.
QT	5,000	650,000	1110,000	1310,000	1310,000	1700,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.
X1	532,000	20,000	850,000	875,000	900,000	0.	0.	0.	0.	0.
GR	715,000	30,000	710,000	55,000	705,000	200,000	700,000	500,000	697,000	600,000
GR	696,400	650,000	690,700	700,000	697,900	750,000	697,800	800,000	696,800	850,000
GR	688,500	855,000	688,400	865,000	689,000	880,000	697,600	900,000	696,500	950,000
GR	696,300	1000,000	700,000	1045,000	705,000	1065,000	710,000	1075,000	715,000	1110,000
X1	8,300	18,000	525,000	570,000	550,000	830,000	830,000	830,000	0.	0.
GR	720,000	45,000	715,000	195,000	706,000	300,000	703,500	400,000	701,500	450,000
GR	701,000	500,000	701,100	525,000	693,400	532,000	693,200	540,000	693,300	543,000
GR	701,600	550,000	701,000	600,000	699,600	650,000	709,000	700,000	710,500	730,000
GP	712,500	800,000	717,300	850,000	721,200	400,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	8,400	0.	0.	0.	0.	0.
X1	18,900	15,000	276,000	285,000	296,000	1110,000	1010,000	1060,000	0.	0.
GR	725,000	0.	710,600	50,000	716,200	100,000	716,000	150,000	706,800	250,000
GR	705,500	276,000	699,400	282,000	699,100	288,000	699,100	293,000	705,700	296,000
GR	706,400	300,000	706,500	350,000	709,200	400,000	713,900	450,000	725,000	495,000
NC	0,040	0,070	0,060	0,100	0,300	0.	0.	0.	0.	0.
QT	5,000	580,000	1020,000	1200,000	1200,000	1550,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.
X1	73,300	20,000	613,000	625,000	637,000	1440,000	1440,000	1440,000	0.	0.
GR	749,000	0.	742,300	100,000	740,000	150,000	735,000	200,000	725,600	350,000
GR	721,200	400,000	714,500	550,000	713,800	600,000	713,500	613,000	706,100	615,000
GR	705,600	425,000	706,000	632,000	713,300	637,000	713,600	650,000	714,000	700,000
GR	720,800	750,000	724,000	765,000	724,800	810,000	735,000	872,000	745,000	915,000
X1	46,000	10,000	350,000	360,000	345,000	1270,000	1270,000	1270,000	0.	0.
GR	740,000	80,000	735,000	140,000	730,000	105,000	725,000	250,000	722,600	300,000
GR	721,400	323,000	718,600	350,000	714,500	353,000	713,000	358,000	714,800	343,000
GR	718,800	365,000	721,700	400,000	722,200	417,000	722,600	450,000	725,100	497,000
GR	726,300	501,000	730,000	522,000	735,000	550,000	740,000	575,000	0.	0.
X1	46,800	0.	0.	0.	80,000	80,000	80,000	1.000	0.100	0.
X1	47,500	22,000	192,000	200,000	208,000	70,000	70,000	70,000	0.	0.
ET	10,000	192,000	723,100	718,400	194,000	723,100	721,400	196,000	723,200	721,700

BT	198,000	723,200	720,600	199,000	723,300	718,400	201,200	723,200	718,400	203,000
BT	723,100	721,200	205,000	723,100	721,400	207,000	723,000	720,200	207,800	723,000
BT	718,400	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	730,000	0.	725,000	60,000	720,000	100,000	722,500	130,000	722,700	150,000
GR	723,100	192,000	718,000	192,100	717,000	192,600	715,600	194,000	715,200	196,000
GR	716,300	198,000	717,000	201,500	715,400	203,000	715,100	205,000	715,500	206,000
GR	716,300	207,000	718,400	207,900	723,000	208,000	723,000	250,000	723,900	245,000
GR	725,000	300,000	730,000	310,000	0.	0.	0.	0.	0.	0.

X1	48,000	15,000	389,000	400 410,000	50,000	50,000	50,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	723,000	723,000	0.
GR	735,000	0.	730,000	30,000	725,000	200,000	720,000	250,000	721,000	270,000
GR	720,000	280,000	723,000	350,000	721,700	389,000	716,400	398,000	715,800	400,000
GR	715,800	408,000	719,300	410,000	725,000	450,000	726,200	470,000	735,000	525,000

X1	48,800	0.	0.	0.	80,000	80,000	80,000	1,000	0,300	0.
NC	0,050	0,060	0,040	0,100	0,300	0.	0.	0.	0.	0.
WT	5,000	510,000	900,000	1050,000	1050,000	1350,000	0.	0.	0.	0.

X1	56,500	18,000	436,000	460 480,000	770,000	470,000	870,000	0.	0.	0.
GR	750,000	0.	745,000	135,000	740,000	200,000	735,000	250,000	730,000	290,000
GR	727,800	400,000	728,300	436,000	719,800	450,000	719,500	457,000	719,800	465,000
GR	725,800	480,000	728,200	500,000	735,000	550,000	738,300	600,000	742,500	650,000
GR	746,700	700,000	749,100	740,000	750,000	745,000	0.	0.	0.	0.

X1	57,000	0.	0.	0.	50,000	50,000	50,000	1,000	0.	0.
SP	1,250	2,040	2,700	0.	14,800	0,600	101,000	0.	0.	0.

X1	58,000	14,000	355,000	370 390,000	100,000	100,000	100,000	0.	0.	0.
X2	0.	0.	1,000	726,500	730,000	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	730,000	730,000	0.
BT	10,000	0.	744,500	726,500	100,000	737,500	726,500	200,000	731,700	726,500
BT	300,000	730,000	726,500	347,000	731,000	726,500	385,000	731,500	726,500	400,000
BT	732,100	726,500	450,000	734,600	726,500	500,000	737,800	726,500	550,000	742,200
BT	726,500	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	746,000	0.	734,100	200,000	727,100	250,000	725,900	300,000	726,700	350,000
GR	726,300	355,000	720,400	348,000	719,500	371,000	720,300	376,000	725,300	390,000
GR	726,800	400,000	731,000	450,000	741,700	500,000	745,000	520,000	0.	0.

X1	56,500	0.	0.	0.	50,000	50,000	50,000	1,000	0.	0.
NC	0,100	0,100	0,040	0,100	0,300	0.	0.	0.	0.	0.
LT	5,000	490,000	650,000	1010,000	1010,000	1300,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0,400	0.	0.	0.	0.	0.

X1	65,000	19,000	282,000	270 295,000	650,000	650,000	650,000	0.	0.	0.
GR	750,000	0.	745,000	70,000	740,700	100,000	735,700	150,000	732,700	174,000
GR	732,700	200,000	731,600	250,000	727,600	282,000	723,400	285,000	723,200	290,000
GR	723,700	293,000	727,700	295,000	731,200	350,000	733,200	375,000	737,300	383,000
GR	738,000	195,000	740,000	413,000	745,000	433,000	750,000	535,000	0.	0.

X1	65,600	0.	0.	0.	40,000	40,000	40,000	1,000	0,100	0.
X3	10,000	0.	0.	0.	0.	0.	0.	735,000	735,000	0.
SR	0,100	2,040	3,100	0.	6,500	0.	39,000	0.	0.	0.

X1	65,300	0.	0.	0.	70,000	70,000	70,000	1,000	0.	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	735,000	735,000	0.
BT	10,000	25,000	740,000	730,800	150,000	736,200	730,800	200,000	735,300	730,800
BT	250,000	734,900	730,800	264,000	734,900	730,800	274,000	734,900	730,800	278,000
BT	735,000	730,800	300,000	735,200	730,800	350,000	736,700	730,800	400,000	740,300
BT	730,800	0.	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.

X1	67,000	15,000	606,000	615 623,000	70,000	70,000	70,000	0.	0.	0.
GR	745,000	70,000	740,000	140,000	733,700	500,000	732,200	550,000	731,200	600,000
GR	730,500	606,000	727,900	612,000	727,500	615,000	728,100	618,000	731,100	623,000

GR	734,700	650,000	737,700	700,000	741,100	750,000	741,600	745,000	745,000	770,000
NC	0,060	0,080	0,050	0,100	0,300	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,400	0,	0,	0,	0,	0,

X1	47,500	14,000	340,000	353,000	50,000	50,000	50,000	0,	-0,300	0,
X3	10,000	0,	0,	0,	0,	0,	0,	730,900	730,900	0,
GR	745,000	0,	740,000	140,000	735,900	200,000	734,800	250,000	733,000	300,000
GR	731,500	340,000	725,600	345,000	725,700	350,000	727,000	355,000	730,700	365,000
GR	733,700	400,000	737,700	450,000	741,700	500,000	746,100	550,000	0,	0,
BT	5,000	470,000	830,000	970,000	970,000	1250,000	0,	0,	0,	0,
SR	0,	1,500	3,000	200,000	6,000	0,	36,000	0,	0,	0,

X1	66,300	18,000	347,000	353,000	80,000	80,000	80,000	0,	0,	0,
X2	0,	0,	1,000	730,900	735,000	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	735,500	735,500	0,
BT	15,000	0,	745,000	0,	150,000	740,000	0,	200,000	737,000	0,
BT	250,000	735,700	0,	300,000	735,700	0,	340,000	735,000	0,	347,000
BT	735,000	727,900	347,000	735,000	730,900	350,000	735,000	730,900	353,000	735,000
BT	730,900	353,000	735,000	727,900	340,000	735,100	0,	400,000	735,700	0,
BT	450,000	738,200	0,	550,000	746,600	0,	0,	0,	0,	0,
GR	745,000	0,	740,000	140,000	735,900	200,000	734,800	250,000	733,000	300,000
GR	731,500	340,000	725,600	345,000	727,900	347,000	724,900	347,000	724,900	350,000
GR	724,900	353,000	727,900	353,000	727,000	355,000	730,700	345,000	733,700	400,000
GR	737,700	450,000	741,700	500,000	746,100	550,000	0,	0,	0,	0,
ET	0,	0,	0,	0,	10,400	0,	0,	0,	0,	0,

X1	66,500	14,000	340,000	353,000	20,000	20,000	20,000	0,	0,	0,
GR	745,000	0,	740,000	140,000	735,900	200,000	734,800	250,000	733,000	300,000
GR	731,500	340,000	725,600	345,000	725,700	350,000	727,000	355,000	730,700	345,000
GR	733,700	400,000	737,700	450,000	741,700	500,000	746,100	550,000	0,	0,

X1	69,700	11,000	285,000	310,000	120,000	120,000	120,000	0,	0,	0,
GR	742,600	0,	737,300	200,000	735,800	250,000	733,900	285,000	727,100	297,000
GR	727,000	300,000	727,000	303,000	734,900	310,000	737,200	350,000	738,900	400,000
GR	745,000	550,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,400	0,	0,	0,	0,	0,

X1	69,900	0,	0,	0,	20,000	20,000	20,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	731,900	731,900	0,
NC	0,020	0,015	0,020	0,	0,	0,	0,	0,	0,	0,

X1	70,000	18,000	292,500	297,500	10,000	10,000	10,000	0,	0,	0,
BT	19,000	0,	742,500	0,	200,000	737,400	0,	200,000	736,800	0,
BT	292,500	736,800	729,400	293,200	736,800	731,200	295,000	736,800	731,900	296,800
BT	736,800	731,200	297,500	736,800	729,400	299,000	736,800	0,	300,500	736,800
BT	729,400	301,200	736,800	731,200	303,000	736,800	731,900	304,800	736,800	731,200
BT	305,500	736,800	729,400	310,000	736,900	0,	350,000	737,300	0,	400,000
BT	738,900	0,	520,000	745,000	0,	540,000	750,000	0,	0,	0,
GR	742,600	0,	737,300	200,000	735,800	250,000	733,900	285,000	729,400	292,500
GR	727,600	293,200	726,900	295,000	727,600	296,800	729,400	297,500	729,400	300,500
GR	727,600	301,200	726,900	303,000	727,600	304,800	724,400	305,500	734,900	310,000
GR	737,200	350,000	738,900	400,000	745,000	550,000	0,	0,	0,	0,

X1	70,200	0,	0,	0,	20,000	20,000	20,000	0,	0,	0,
X2	0,	0,	0,	0,	0,	0,	1,000	0,	0,	0,
NC	0,040	0,060	0,040	0,	0,	0,	0,	0,	0,	0,

X1	70,300	11,000	285,000	310,000	10,000	10,000	10,000	0,	0,300	0,
X3	10,000	0,	0,	0,	0,	0,	0,	736,800	736,800	0,
GR	742,600	0,	737,300	200,000	735,800	250,000	733,900	285,000	727,100	297,000
GR	727,000	300,000	727,000	303,000	734,900	310,000	737,200	350,000	738,900	400,000
GR	745,000	550,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	10,400	0,	0,	0,	0,	0,

X1	70,500	11,000	285,000	310,000	20,000	20,000	20,000	0,	0,300	0,
GR	742,600	0,	737,300	200,000	735,800	250,000	733,900	285,000	727,100	297,000

GR	727,000	300,000	727,000	303,000	734,900	310,000	737,200	350,000	738,900	400,000
GR	745,000	550,000	727,000	303,000	734,900	310,000	737,200	350,000	738,900	400,000

X1	73,000	17,000	171,000	195 218,000	250,000	250,000	250,000	0,	0,	0,
GR	755,800	0,	753,400	40,000	749,600	50,000	747,600	55,000	745,300	100,000
GP	743,400	150,000	741,800	171,000	729,400	106,000	729,100	200,000	729,000	208,000
GR	738,100	218,000	736,500	250,000	737,300	300,000	740,000	300,000	744,000	440,000
GR	742,000	500,000	742,000	700,000	0,	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	0,400	0,	0,	0,	0,	0,

X1	73,200	0,	0,	0,	20,000	20,000	20,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	734,700	734,700	0,
NC	0,020	0,015	0,020	0,	0,	0,	0,	0,	0,	0,

X1	73,500	23,000	107,000	130 153,000	30,000	30,000	30,000	0,	0,	0,
BT	13,000	0,	751,000	0,	100,000	742,200	0,	140,000	740,400	0,
BT	147,000	740,000	731,700	147,000	740,000	734,700	150,000	740,000	734,700	153,000
BT	740,000	734,700	153,000	740,000	731,700	150,000	739,700	0,	200,000	738,900
BT	0,	250,200	739,600	0,	400,000	747,500	0,	700,000	747,500	0,
GR	755,800	0,	753,400	40,000	749,600	50,000	747,600	55,000	745,300	100,000
GR	739,800	140,000	731,700	147,000	728,700	147,000	728,700	150,000	728,700	153,000
GR	731,700	153,000	749,700	140,000	741,800	171,000	729,400	106,000	729,100	200,000
GR	729,000	200,000	738,100	218,000	736,500	250,000	737,300	300,000	740,000	340,000
GR	744,000	440,000	742,000	500,000	742,000	700,000	0,	0,	0,	0,

X1	73,800	0,	0,	0,	30,000	30,000	30,000	0,	0,	0,
X2	0,	0,	0,	0,	0,	0,	1,000	0,	0,	0,
NC	0,060	0,060	0,060	0,	0,	0,	0,	0,	0,	0,

X1	73,900	14,000	56,000	90 121,000	10,000	10,000	10,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	740,000	740,000	0,
GR	749,900	0,	744,500	50,000	744,200	56,000	729,500	97,000	729,700	100,000
GR	729,600	103,000	739,600	121,000	740,000	150,000	739,600	200,000	739,800	250,000
GR	745,000	360,000	750,000	380,000	752,500	450,000	752,500	700,000	0,	0,
ET	0,	0,	0,	0,	10,400	0,	0,	0,	0,	0,

X1	74,100	14,000	56,000	90 121,000	20,000	20,000	20,000	0,	0,	0,
GR	749,900	0,	744,500	50,000	744,200	56,000	729,500	97,000	729,700	100,000
GR	729,600	103,000	739,600	121,000	740,000	150,000	739,600	200,000	739,800	250,000
GR	745,000	360,000	750,000	380,000	752,500	450,000	752,500	700,000	0,	0,

X1	80,600	15,000	276,000	305 335,000	660,000	660,000	660,000	0,	0,	0,
GR	765,100	0,	765,100	100,000	765,200	114,000	754,700	150,000	757,100	200,000
GR	753,300	250,000	748,300	276,000	736,200	297,000	735,300	300,000	736,300	303,000
GR	751,100	335,000	751,700	350,000	753,600	400,000	756,700	450,000	765,000	560,000
ET	0,	0,	0,	0,	0,400	0,	0,	0,	0,	0,

X1	80,800	0,	0,	0,	20,000	20,000	20,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	741,200	741,200	0,
SR	0,	1,500	3,000	100,000	5,000	0,	22,500	0,	0,	0,

X1	81,000	21,000	249,500	250 254,500	20,000	20,000	20,000	0,	0,	0,
X2	0,	0,	1,000	701,200	754,400	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	754,900	754,900	0,
BT	14,000	0,	745,000	0,	75,000	745,000	0,	150,000	758,900	0,
BT	200,000	755,900	0,	240,000	754,700	0,	249,500	754,400	739,000	249,500
BT	754,400	741,200	252,000	754,400	741,200	254,500	754,400	741,200	254,500	754,400
BT	739,000	260,000	754,400	0,	300,000	754,400	0,	400,000	755,600	0,
BT	600,000	762,700	0,	0,	0,	0,	0,	0,	0,	0,
GR	765,100	0,	765,100	100,000	765,200	114,000	759,700	150,000	757,100	200,000
GR	754,100	240,000	739,000	249,500	736,800	249,500	736,800	252,000	736,800	254,500
GR	739,000	254,500	751,200	260,000	748,300	276,000	736,200	297,000	735,300	300,000
GR	736,300	303,000	751,100	335,000	751,700	350,000	753,600	400,000	756,700	450,000
GR	765,000	560,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	0,	0,	10,400	0,	0,	0,	0,	0,





SUMMARY PRINTOUT FOR MULTIPLE PROFILES

AVON CREEK		FLOODWAY		DISCHARGE		CWSFI		TO		FG		TOPWID	STENCL	STENCR	VCH
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	(CFS)										
632.00	0.	0.	0.	688.40	1310.00	695.33	158.40	695.84	03.84	0.	0.	5.72			
632.00	0.	0.	0.	688.40	1310.00	696.33	203.89	696.68	06.76	850.00	900.00	4.78			
8.30	830.00	0.	0.	693.20	1310.00	701.75	138.80	702.70	217.65	0.	550.00	6.65			
8.30	830.00	0.	0.	693.20	1310.00	701.71	106.40	702.83	25.00	525.00	550.00	8.52			
18.90	1060.00	0.	0.	699.10	1310.00	709.51	194.79	709.83	155.71	0.	385.00	5.42			
18.90	1060.00	0.	0.	699.10	1310.00	709.62	213.55	709.98	58.72	273.25	331.97	5.39			
33.30	1440.00	0.	0.	705.60	1200.00	714.91	180.40	715.27	165.60	0.	625.00	5.23			
33.30	1440.00	0.	0.	705.60	1200.00	715.70	169.49	715.71	24.00	613.00	637.00	5.71			
46.00	1270.00	0.	0.	713.00	1200.00	722.17	133.72	722.71	108.13	0.	360.00	6.95			
46.00	1270.00	0.	0.	713.00	1200.00	723.03	144.72	723.66	34.03	342.11	376.13	6.81			
46.80	80.00	0.	0.	713.10	1200.00	722.90	179.79	723.21	158.23	0.	0.	5.46			
46.80	80.00	0.	0.	713.10	1200.00	723.72	191.33	724.09	05.58	338.27	383.85	5.47			
47.50	70.00	723.00	721.70	715.10	1200.00	723.44	78.13	723.84	195.29	0.	330.00	4.55			
47.50	70.00	723.00	721.70	715.10	1200.00	724.17	59.51	724.81	80.43	123.57	208.00	4.46			
48.00	50.00	0.	0.	715.80	1200.00	723.97	326.48	724.84	232.50	0.	400.00	2.88			
48.00	50.00	0.	0.	715.30	1200.00	724.99	310.91	725.88	131.08	278.92	410.00	2.90			
48.80	80.00	0.	0.	716.10	1200.00	724.08	295.72	724.17	229.29	0.	400.00	3.12			
48.80	80.00	0.	0.	716.10	1200.00	725.11	278.93	725.22	127.84	282.16	410.00	3.19			
56.50	870.00	0.	0.	719.50	1050.00	725.82	155.25	726.83	40.14	0.	460.00	6.25			
56.50	870.00	0.	0.	719.50	1050.00	726.69	207.68	727.10	01.35	436.00	480.00	5.17			
57.00	50.00	0.	0.	719.50	1050.00	726.11	171.84	726.44	82.99	0.	400.00	5.85			
57.00	50.00	0.	0.	719.50	1050.00	726.84	217.52	727.23	01.60	436.00	480.00	5.82			
58.00	100.00	0.	0.	719.50	1050.00	729.24	303.33	729.53	35.00	0.	370.00	4.15			
58.00	100.00	0.	0.	719.50	1050.00	729.97	345.39	730.21	35.00	355.00	390.00	3.94			
58.50	50.00	0.	0.	719.50	1050.00	729.53	581.35	729.89	109.81	0.	0.	2.39			
58.50	50.00	0.	0.	719.50	1050.00	730.16	495.75	730.25	86.43	303.57	390.00	2.74			
65.00	650.00	0.	0.	723.20	1010.00	730.37	95.25	731.88	76.68	0.	280.00	10.68			
65.00	650.00	0.	0.	723.20	1010.00	730.35	94.38	731.88	76.11	0.	0.	10.75			
65.60	80.00	0.	0.	723.30	1010.00	730.57	75.79	732.99	13.00	0.	0.	12.49			
65.60	80.00	0.	0.	723.30	1010.00	730.57	75.78	732.99	13.00	0.	0.	12.49			
65.30	70.00	734.90	730.80	723.30	1010.00	734.20	687.41	734.23	234.61	0.	0.	2.30			
65.30	70.00	734.90	730.80	723.30	1010.00	734.20	687.41	734.23	234.61	0.	0.	2.30			
67.00	70.00	0.	0.	727.50	1010.00	736.18	384.67	736.27	308.86	0.	615.00	3.50			
67.00	70.00	0.	0.	727.50	1010.00	736.14	269.78	736.30	92.61	530.39	623.00	4.23			
67.50	50.00	0.	0.	725.30	1010.00	736.26	540.67	736.30	242.11	0.	350.00	2.18			
67.50	50.00	0.	0.	725.30	1010.00	736.30	549.24	736.34	243.08	0.	0.	2.16			

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EI OF LOW CHORD	MIN FL OF GROUND	DISCHARGE (CFS)	CMSFI	TO	FG	TORWID	STENCL	STENCR	VCH
68.30	80.00	735.00	730.90	724.90	970.00	736.80	507.70	736.83	207.62	0.350	0.	1.86
68.30	80.00	735.00	730.90	724.90	970.00	736.81	507.70	736.84	207.62	0.	0.	1.86
68.50	20.00	0.	0.	725.60	970.00	736.80	502.15	736.84	207.78	0.355	0.	1.95
68.50	20.00	0.	0.	725.60	970.00	736.79	476.85	736.86	101.55	273.14	374.69	2.42
69.70	120.00	0.	0.	727.00	970.00	736.60	103.86	736.69	120.81	0.	0.	4.74
69.70	120.00	0.	0.	727.00	970.00	736.60	150.83	737.10	25.00	285.00	310.00	5.70
69.90	20.00	0.	0.	727.00	970.00	736.75	198.51	737.04	123.96	0.	0.	4.65
69.90	20.00	0.	0.	727.00	970.00	736.93	213.03	737.19	133.33	0.	0.	4.41
70.00	10.00	736.80	731.90	724.90	970.00	737.98	152.49	738.44	198.78	0.255	0.	5.77
70.00	10.00	736.80	731.90	724.90	970.00	737.98	152.49	738.44	198.78	0.	0.	5.77
70.20	20.00	734.80	731.90	724.90	970.00	738.24	210.31	738.51	215.16	0.	0.	4.33
70.20	20.00	734.80	731.90	724.90	970.00	738.24	213.54	738.51	203.90	172.02	375.91	4.27
70.30	10.00	0.	0.	727.30	970.00	738.47	318.27	738.55	211.27	0.	0.	2.74
70.30	10.00	0.	0.	727.30	970.00	738.47	318.16	738.55	211.21	0.	0.	2.74
70.50	20.00	0.	0.	727.30	970.00	738.49	321.74	738.57	212.95	0.300	0.	2.71
70.50	20.00	0.	0.	727.30	970.00	738.44	235.81	738.59	57.95	252.04	310.00	3.44
73.00	250.00	0.	0.	729.00	970.00	738.75	209.43	738.87	104.33	0.175	0.	3.60
73.00	250.00	0.	0.	729.00	970.00	738.88	203.78	739.10	44.30	171.00	221.19	3.70
73.20	20.00	0.	0.	729.00	970.00	738.78	251.84	738.90	104.73	0.	0.	2.97
73.20	20.00	0.	0.	729.00	970.00	739.05	281.09	739.14	100.00	171.00	316.55	2.72
73.50	30.00	738.90	734.70	728.70	970.00	740.38	126.82	741.17	196.28	0.150	0.	7.76
73.50	30.00	738.90	734.70	728.70	970.00	740.38	126.82	741.17	196.28	0.	0.	7.76
73.80	30.00	738.90	734.70	728.70	970.00	740.91	214.72	741.31	214.59	0.	0.	4.83
73.80	30.00	738.90	734.70	728.70	970.00	742.87	100.16	744.90	19.17	133.84	153.00	12.23
73.90	10.00	0.	0.	729.50	970.00	741.30	303.50	741.35	217.58	0.25	0.	2.07
73.90	10.00	0.	0.	729.50	970.00	745.10	1321.30	745.11	315.96	0.	0.	0.78
74.10	20.00	0.	0.	729.50	970.00	741.31	306.37	741.36	218.04	0.25	0.	2.06
74.10	20.00	0.	0.	729.50	970.00	745.08	649.62	745.12	45.00	56.00	121.00	1.57
80.60	660.00	0.	0.	735.30	970.00	741.64	47.92	743.28	26.99	0.305	0.	10.58
80.60	660.00	0.	0.	735.30	970.00	745.28	109.93	745.59	41.17	276.00	335.00	4.50
80.80	20.00	0.	0.	735.30	970.00	743.14	81.40	743.02	32.81	0.	0.	7.11
80.80	20.00	0.	0.	735.30	970.00	745.37	153.53	745.67	41.53	276.00	335.00	4.42
81.00	20.00	754.40	741.20	736.80	970.00	755.67	1452.96	755.68	214.61	0.250	0.	0.77
81.00	20.00	754.40	741.20	736.80	970.00	755.73	1466.76	755.74	216.21	0.	0.	0.76
81.40	40.00	0.	0.	735.30	970.00	755.67	1451.43	755.68	214.43	0.255	0.	0.77
81.40	40.00	0.	0.	735.30	970.00	755.73	1232.50	755.75	91.87	249.50	341.37	0.46

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EI OF LOW CHORD	MIN FL OF GROUND	DISCHARGE (CFS)	CWSFI	TO	FG	TOPWD	STFNFL	STENCP	VCM
81.60	20.00	0.	0.	739.90	830.00	755.67	692.09	755.49	203.43	0. <del>1.25</del> 0.	0.	1.27
81.60	20.00	0.	0.	739.90	830.00	755.72	550.05	755.75	88.73	132.00	220.73	1.52
82.40	80.00	0.	0.	739.90	830.00	755.67	693.84	755.70	203.53	0. <del>1.25</del> 0.	0.	1.27
82.40	80.00	0.	0.	739.90	830.00	755.70	552.28	755.77	88.78	132.00	220.78	1.52

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH 0	CWSFL DIFF EACH SECTION	CWSFL-WSELK	TOPWD	T.W. DIFF	LENGTH
632.000	1310.000	695.330	0.	0.	0.	43.825	0.	0.
632.000	1310.000	696.330	1.000	0.	0.	46.763	-2.938	0.
8.300	1310.000	701.750	0.	6.420	0.	217.806	0.	830.000
8.300	1310.000	701.706	-0.044	5.376	0.	25.001	192.805	830.000
18.900	1310.000	708.510	0.	6.761	0.	155.709	0.	1060.000
18.900	1310.000	709.620	1.110	7.914	0.	58.718	96.991	1060.000
33.300	1200.000	714.900	0.	6.309	0.	165.600	0.	1440.000
33.300	1200.000	715.703	0.794	6.083	0.	24.001	101.599	1440.000
46.000	1200.000	722.173	0.	7.264	0.	102.128	0.	1270.000
46.000	1200.000	723.027	0.854	7.324	0.	34.027	74.101	1270.000
46.800	1200.000	722.904	0.	0.731	0.	158.232	0.	80.000
46.800	1200.000	723.722	0.818	0.694	0.	45.577	112.655	80.000
47.500	1200.000	723.455	0.	0.551	0.	185.293	0.	70.000
47.500	1200.000	724.171	0.716	0.409	0.	84.425	100.868	70.000
48.000	1200.000	723.972	0.	0.517	0.	232.500	0.	50.000
48.000	1200.000	724.985	1.013	0.614	0.	131.076	101.424	50.000
48.800	1200.000	724.082	0.	0.110	0.	229.295	0.	80.000
48.800	1200.000	725.105	1.023	0.120	0.	127.802	101.453	80.000
56.500	1050.000	725.821	0.	1.729	0.	40.100	0.	870.000
56.500	1050.000	726.659	0.838	1.580	0.	41.309	-1.209	870.000
57.000	1050.000	726.110	0.	0.289	0.	42.988	0.	50.000
57.000	1050.000	726.838	0.728	0.109	0.	41.598	1.390	50.000
58.000	1050.000	729.240	0.	3.130	0.	35.000	0.	100.000
58.000	1050.000	729.968	0.727	3.130	0.	35.000	0.	100.000
58.500	1050.000	729.527	0.	0.287	0.	199.807	0.	50.000
58.500	1050.000	730.161	0.633	0.193	0.	86.432	113.375	50.000
65.000	1010.000	730.373	0.	0.806	0.	76.680	0.	650.000
65.000	1010.000	730.350	-0.023	0.189	0.	76.113	0.567	650.000
65.600	1010.000	730.567	0.	0.193	0.	13.000	0.	60.000
65.600	1010.000	730.568	0.001	0.218	0.	13.000	0.	60.000
65.300	1010.000	736.196	0.	5.629	0.	234.610	0.	70.000
65.300	1010.000	736.196	0.000	5.628	0.	234.610	0.	70.000
67.000	1010.000	736.182	0.	-0.014	0.	308.858	0.	70.000
67.000	1010.000	736.137	-0.045	-0.059	0.	92.610	216.248	70.000
67.500	1010.000	736.256	0.	0.075	0.	242.111	0.	50.000

67,500	1010.000	736.300	0.044	0.163	0.	243.079	-0.968	50.000
68,300	970.000	736.804	0.	0.517	0.	247.617	0.	80.000
68,300	970.000	736.814	0.010	0.514	0.	247.617	0.000	80.000
68,500	970.000	736.803	0.	-0.001	0.	247.776	0.	20.000
68,500	970.000	736.794	-0.009	-0.020	0.	101.554	146.271	20.000
69,700	970.000	736.600	0.	-0.113	0.	120.810	0.	120.000
69,700	970.000	736.599	-0.001	-0.125	0.	25.001	95.809	120.000
69,900	970.000	736.752	0.	0.063	0.	123.962	0.	20.000
69,900	970.000	736.934	0.181	0.335	0.	133.334	-9.372	20.000
70,000	970.000	737.983	0.	1.230	0.	198.781	0.	10.000
70,000	970.000	737.983	0.	1.009	0.	198.781	0.	10.000
70,200	970.000	738.236	0.	0.254	0.	215.157	0.	20.000
70,200	970.000	738.237	0.001	0.254	0.	203.808	11.259	20.000
70,300	970.000	738.468	0.	0.231	0.	211.247	0.	10.000
70,300	970.000	738.467	-0.001	0.230	0.	211.211	0.055	10.000
70,500	970.000	738.488	0.	0.020	0.	212.954	0.	20.000
70,500	970.000	738.437	-0.051	-0.030	0.	57.954	155.000	20.000
73,000	970.000	738.750	0.	0.262	0.	144.325	0.	250.000
73,000	970.000	738.885	0.135	0.408	0.	44.304	100.021	250.000
73,200	970.000	738.782	0.	0.032	0.	144.733	0.	20.000
73,200	970.000	739.048	0.266	0.160	0.	140.003	4.729	20.000
73,500	970.000	740.381	0.	1.600	0.	196.282	0.	30.000
73,500	970.000	740.381	0.	1.333	0.	196.282	0.	30.000
73,800	970.000	740.911	0.	0.529	0.	214.587	0.	30.000
73,800	970.000	742.846	1.955	2.485	0.	19.145	195.421	30.000
73,900	970.000	741.296	0.	0.385	0.	217.583	0.	10.000
73,900	970.000	745.101	3.805	2.235	0.	315.959	-98.375	10.000
74,100	970.000	741.309	0.	0.013	0.	218.003	0.	20.000
74,100	970.000	745.081	3.772	-0.020	0.	65.001	153.002	20.000
80,600	970.000	741.640	0.	0.331	0.	26.986	0.	650.000
80,600	970.000	745.277	3.637	0.125	0.	41.167	-14.181	650.000
80,800	970.000	743.138	0.	1.498	0.	32.814	0.	20.000
80,800	970.000	745.370	2.233	0.094	0.	41.532	-8.718	20.000
81,000	970.000	755.672	0.	12.534	0.	214.605	0.	20.000
81,000	970.000	755.734	0.062	10.364	0.	216.212	-1.607	20.000
81,400	970.000	755.674	0.	0.002	0.	214.426	0.	80.000
81,400	970.000	755.732	0.059	-0.002	0.	91.849	122.557	80.000
81,600	830.000	755.689	0.	-0.005	0.	293.431	0.	20.000
81,600	830.000	755.723	0.054	-0.009	0.	88.730	204.701	20.000
82,400	830.000	755.680	0.	0.012	0.	293.527	0.	80.000
82,400	830.000	755.741	0.061	0.018	0.	88.776	204.751	80.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH	TOP WIDTH
			AREA-ACRES	AREA-DIFF
1	0.	0.	29.037	0.

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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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8.4

# Floodway

2

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-3 100-YR 0

J1	ICHECK	ING	NTNV	IDIP	STRT	MFTPIC	HVINS	D	WSEL	FO
	0.	4.	0.	0.	0.	0.	0.	0.	639.100	0.
J2	NPROF	IPLOT	PREVS	XSECV	XRECH	FN	ALLDC	TBW	CHNIV	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	26.000	0.	0.	0.
NC	0.080	0.080	0.065	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	570.000	1000.000	1170.000	1170.000	1510.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	8.400	0.	0.	0.	0.	0.
X1	3.000	17.000	382.000	415.000	0.	0.	0.	0.	0.	0.
GR	650.000	0.	643.400	100.000	643.700	150.000	644.700	200.000	647.800	218.000
GR	648.300	250.000	647.600	300.000	642.700	350.000	640.800	382.000	634.400	394.000
GR	634.000	400.000	634.700	406.000	642.900	415.000	641.700	450.000	642.500	500.000
GR	642.100	523.000	670.000	550.000	0.	0.	0.	0.	0.	0.
X1	6.000	0.	0.	0.	300.000	300.000	300.000	300.000	2.500	0.
X1	9.000	10.000	141.000	158.000	300.000	300.000	300.000	0.	0.	0.
GR	659.700	0.	658.200	50.000	655.300	100.000	644.800	123.000	642.900	141.000
GR	639.200	146.000	639.100	150.000	639.200	154.000	647.000	158.000	645.500	200.000
GR	645.800	250.000	650.400	300.000	654.400	350.000	659.200	400.000	0.	0.
X1	13.300	0.	0.	0.	430.000	430.000	430.000	0.	3.300	0.
X1	17.600	0.	0.	0.	430.000	430.000	430.000	0.	3.300	0.
X1	22.000	11.000	240.000	241.000	440.000	440.000	440.000	0.	0.	0.
GR	670.700	0.	664.800	50.000	662.400	100.000	659.700	150.000	656.000	200.000
GR	652.700	240.000	649.600	242.000	649.400	250.000	649.500	258.000	654.200	241.000
GR	670.900	300.000	0.	0.	0.	0.	0.	0.	0.	0.
X1	27.000	0.	0.	0.	500.000	500.000	500.000	0.	5.100	0.
X1	32.000	0.	0.	0.	500.000	500.000	500.000	0.	5.100	0.
X1	37.000	12.000	139.000	158.000	500.000	500.000	500.000	0.	0.	0.
GR	688.700	0.	672.100	20.000	670.800	50.000	670.900	100.000	670.000	139.000
GR	664.800	147.000	664.300	150.000	664.600	153.000	670.300	158.000	672.100	200.000
GR	679.500	250.000	690.500	300.000	0.	0.	0.	0.	0.	0.
QT	5.000	430.000	770.000	900.000	900.000	1150.000	0.	0.	0.	0.
X1	43.000	13.000	244.000	256.000	600.000	600.000	600.000	0.	0.	0.
GR	705.000	0.	700.000	80.000	693.700	100.000	689.200	150.000	685.000	200.000
GR	684.100	244.000	679.100	246.000	678.500	250.000	678.900	254.000	682.900	256.000
GR	686.500	300.000	695.400	350.000	700.000	370.000	0.	0.	0.	0.

12426



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-3 FLOODWAY

J1	ICHECK	INQ	NTNV	IDIR	STRT	METRIC	WVINS	0	WSEI	FO
	0.	5.	0.	0.	0.	0.	0.	0.	640.100	0.

J2	NPROF	IPL0T	PRFV(5)	XSECV	XSECH	FN	ALLDC	TBW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

12429

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-3 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	TQ	FG	TOPWID	STENCL	STENCR	VCH
3.00	0.	0.	0.	634.00	1170.00	639.69	54.30	641.62	27.40	0.	0.	11.15
3.00	0.	0.	0.	634.00	1170.00	640.10	62.67	641.47	28.61	382.00	415.00	10.05
6.00	300.00	0.	0.	634.50	1170.00	641.82	15304.25	641.82	7885.30	0.	0.	0.04
6.00	300.00	0.	0.	636.50	1170.00	641.83	15368.25	641.83	7894.96	114600.00	124500.00	0.04
9.00	300.00	0.	0.	639.10	1170.00	646.32	80.11	647.30	116.53	0.	0.	8.90
9.00	300.00	0.	0.	639.10	1170.00	645.63	51.84	648.15	19.50	137.80	187.02	12.96
13.30	430.00	0.	0.	642.40	1170.00	651.02	166.37	651.25	154.24	0.	0.	4.85
13.30	430.00	0.	0.	642.40	1170.00	652.14	191.01	652.37	87.62	136.61	224.23	4.66
17.60	430.00	0.	0.	645.70	1170.00	653.72	122.00	654.13	146.45	0.	0.	6.23
17.60	430.00	0.	0.	645.70	1170.00	654.37	117.52	654.95	76.54	137.71	214.25	6.89
22.00	440.00	0.	0.	649.40	1170.00	656.99	149.44	657.40	80.94	0.	0.	5.80
22.00	440.00	0.	0.	649.40	1170.00	657.84	151.51	658.29	33.89	227.11	261.00	5.65
27.00	500.00	0.	0.	654.50	1170.00	661.08	101.44	661.86	64.84	0.	0.	7.70
27.00	500.00	0.	0.	654.50	1170.00	661.94	95.15	662.96	21.00	240.00	261.00	8.11
32.00	500.00	0.	0.	659.60	1170.00	666.70	124.36	667.26	73.05	0.	0.	6.64
32.00	500.00	0.	0.	659.60	1170.00	667.79	130.06	668.00	27.34	233.66	261.00	6.47
37.00	500.00	0.	0.	664.30	1170.00	672.04	102.40	672.58	177.14	0.	0.	7.16
37.00	500.00	0.	0.	664.30	1170.00	672.87	100.20	673.60	43.98	114.02	158.00	7.49
43.00	600.00	0.	0.	678.50	900.00	685.63	61.93	686.43	96.81	0.	0.	8.44
43.00	600.00	0.	0.	678.50	900.00	685.42	47.35	687.00	31.66	230.16	261.82	10.78
47.30	430.00	0.	0.	682.80	900.00	690.94	109.85	691.20	120.37	0.	0.	5.28
47.30	430.00	0.	0.	682.80	900.00	691.67	122.76	691.95	54.30	218.34	272.64	5.04
51.60	430.00	0.	0.	687.10	725.00	694.40	68.49	694.82	100.92	0.	0.	6.26
51.60	430.00	0.	0.	687.10	725.00	694.69	64.53	695.28	36.65	227.53	264.18	6.85
56.00	440.00	0.	0.	691.30	725.00	697.79	105.11	697.92	167.16	0.	0.	3.89
56.00	440.00	0.	0.	691.30	725.00	698.54	100.05	698.73	68.03	187.97	256.00	4.16

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH	CWSFL DIFF EACH SECTION	CWSFL-WSELK	TOPWID	T.W. DIFF	LENGTH
3.000	1170.000	639.690	0.	0.	0.	27.397	0.	0.
3.000	1170.000	640.100	0.410	0.	0.	28.614	-1.217	0.
6.000	1170.000	641.816	0.	2.126	0.	7885.296	0.	300.000
6.000	1170.000	641.828	0.011	1.728	0.	7894.963	-9.667	300.000
9.000	1170.000	646.318	0.	4.502	0.	116.530	0.	300.000
9.000	1170.000	645.630	-0.688	3.863	0.	19.497	97.034	300.000
13.300	1170.000	651.018	0.	4.700	0.	154.240	0.	430.000
13.300	1170.000	652.135	1.117	6.505	0.	87.621	66.619	430.000
17.600	1170.000	653.720	0.	2.702	0.	146.446	0.	430.000
17.600	1170.000	654.366	0.645	2.231	0.	76.501	69.904	430.000

12432

22,000	1170,000	656,992	0.	3,271	0.	80,941	0.	440,000
22,000	1170,000	657,843	0.851	3,477	0.	33,886	47,056	440,000
27,000	1170,000	661,079	0.	4,087	0.	64,802	0.	500,000
27,000	1170,000	661,938	0.859	4,095	0.	21,001	43,841	500,000
32,000	1170,000	666,698	0.	5,619	0.	73,049	0.	500,000
32,000	1170,000	667,786	1.088	5,888	0.	27,336	45,714	500,000
37,000	1170,000	672,037	0.	5,339	0.	177,136	0.	500,000
37,000	1170,000	672,866	0.829	5,079	0.	43,978	133,159	500,000
43,000	900,000	685,628	0.	13,590	0.	96,806	0.	600,000
43,000	900,000	685,419	-0.209	12,553	0.	31,640	65,146	600,000
47,300	900,000	690,984	0.	5,316	0.	120,371	0.	430,000
47,300	900,000	691,670	0.726	6,251	0.	54,364	66,067	430,000
51,600	725,000	694,398	0.	3,454	0.	100,919	0.	430,000
51,600	725,000	694,686	0.288	3,016	0.	36,650	64,269	430,000
56,000	725,000	697,792	0.	3,394	0.	167,159	0.	440,000
56,000	725,000	698,584	0.752	3,859	0.	68,028	99,131	440,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	67,240	0.
2	4,000	0.404	59,360	-7,880

10.4

Russ (1)

# Floodway

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 NEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRTB C-3 100-YR G

J1 TCHECK INQ MINV TDIR STPT METRIC MVYMS 0 \*SPL EQ

0 0 0 0 0 0 0 0 0 639.100 0

J2 NPROF TPLDT PRFVS YSFCV YSECV FN ALLDC IRW CWNIM ITRACE

1.000 0 0 0 0 0 0 0 0 0 0

J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0	0	0
NC	.080	.080	.065	.100	.300	0	0	0	0	0
QT	5.000	570.000	1000.000	1170.000	1170.000	1510.000	0	0	0	0
ET	0	0	0	0	10.400	0	0	0	0	0

X1	3.000	17.000	382.000	400	415.000	0	0	0	0	0
GR	650.000	0	643.400	100.000	643.700	150.000	644.700	200.000	647.800	218.000
GR	648.300	250.000	647.600	300.000	642.700	350.000	640.800	382.000	634.400	394.000
GR	634.000	400.000	634.700	406.000	642.900	415.000	641.700	450.000	642.500	500.000
GR	642.100	523.000	670.000	550.000	0	0	0	0	0	0

X1	6.000	0	0	0	300.000	300.000	300.000	300.000	2.500	0
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X1	9.000	14.000	141.000	150	158.000	300.000	300.000	300.000	0	0
GR	659.700	0	658.200	50.000	655.300	100.000	644.800	123.000	642.900	141.000
GR	639.200	146.000	639.100	150.000	639.200	154.000	647.000	158.000	645.500	200.000
GR	645.800	250.000	650.400	300.000	650.400	350.000	659.200	400.000	0	0

X1	13.300	0	0	0	430.000	430.000	430.000	0	3.300	0
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X1	17.800	0	0	0	430.000	430.000	430.000	0	3.300	0
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X1	27.000	11.000	240.000	250	261.000	400.000	400.000	400.000	0	0
GR	670.700	0	664.800	50.000	662.400	100.000	659.700	150.000	656.000	200.000
GR	652.700	240.000	649.600	242.000	649.400	250.000	649.500	258.000	654.200	261.000
GR	670.900	300.000	0	0	0	0	0	0	0	0

X1	27.000	0	0	0	500.000	500.000	500.000	0	5.100	0
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X1	32.000	0	0	0	500.000	500.000	500.000	0	5.100	0
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X1	37.000	12.000	139.000	150	158.000	500.000	500.000	500.000	0	0
GR	688.700	0	672.100	20.000	670.800	50.000	670.900	100.000	670.000	139.000
GR	664.800	147.000	664.300	150.000	664.600	153.000	670.300	158.000	672.100	200.000
GR	679.500	250.000	690.500	300.000	0	0	0	0	0	0
QT	5.000	430.000	770.000	900.000	900.000	1150.000	0	0	0	0

X1	43.000	13.000	244.000	250	256.000	600.000	600.000	600.000	0	0
GR	705.000	0	700.000	80.000	693.700	100.000	689.200	150.000	685.000	200.000
GR	684.100	244.000	679.100	246.000	678.500	250.000	678.900	254.000	682.900	256.000

12211



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HEC2 VERSION UPDATED JAN 1976  
ERRDP CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONT N C  
T2 FLOOD INSURANCE  
T3 TRTB CWS FLOODWAY

J1 TCHECK TNO NINV TDIR STRT METRIC RVINS 0 WSEL FO  
=0 5. =0 =0 =0 =0 =0 =0 640.100 =0

J2 NPROF TPLOT PRFVS XSECV XSECH FN ALLDC IRW CHNTM TRACE  
15.000 =0 =0 =0 =0 =0 =0 =0 =0 =0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRTB C-3 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAX PL OF LOW CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CASEI	TD	EC	TOPWID	STENCI	STENCR	VCH
3.00		=0	0	0	634.00	1170.00	639.60	54.30	641.62	27.40	0 200 0	11.15
3.00		=0	0	0	634.00	1170.00	640.10	62.67	641.67	28.61	382.00 415.00	10.05
6.00	300.00	0	0	0	636.50	1170.00	641.82	15304.31	641.82	7885.31	0 0	.04
6.00	300.00	0	0	0	636.50	1170.00	641.83	15368.46	641.83	7894.97	114600.00 124500.00	.04
9.00	300.00	0	0	0	639.10	1170.00	646.32	80.11	647.30	116.53	0 150 0	8.90
9.00	300.00	0	0	0	639.10	1170.00	645.76	50.90	648.53	16.45	140.92 180.55	13.35
13.30	430.00	0	0	0	642.40	1170.00	651.02	166.37	651.25	150.24	0 0	4.85
13.30	430.00	0	0	0	642.40	1170.00	652.44	194.92	652.68	80.37	139.50 219.87	4.67
17.60	430.00	0	0	0	645.70	1170.00	653.72	122.00	654.13	146.45	0 0	6.23
17.60	430.00	0	0	0	645.70	1170.00	654.59	116.87	655.21	69.11	140.67 209.78	7.07
22.00	440.00	0	0	0	649.40	1170.00	656.90	140.84	657.40	80.94	0 250 0	5.80
22.00	440.00	0	0	0	649.40	1170.00	658.12	150.14	658.61	29.21	231.70 261.00	5.79
27.00	500.00	0	0	0	654.50	1170.00	661.08	101.44	661.86	61.84	0 0	7.70
27.00	500.00	0	0	0	654.50	1170.00	662.17	99.95	663.12	21.00	240.00 261.00	7.85
32.00	500.00	0	0	0	659.60	1170.00	666.70	124.36	667.26	73.05	0 0	6.60
32.00	500.00	0	0	0	659.60	1170.00	667.95	122.34	668.60	22.38	238.62 261.00	6.95
37.00	500.00	0	0	0	664.30	1170.00	672.04	102.40	672.58	177.14	0 150 0	7.16
37.00	500.00	0	0	0	664.30	1170.00	673.25	105.10	673.98	35.99	122.00 158.00	7.35
43.00	600.00	0	0	0	678.50	900.00	685.63	61.93	686.42	96.21	0 250 0	8.40
43.00	600.00	0	0	0	678.50	900.00	685.50	45.10	687.34	24.24	233.32 257.57	11.43
47.30	430.00	0	0	0	682.80	900.00	690.90	109.85	691.20	120.37	0 0	5.28
47.30	430.00	0	0	0	682.80	900.00	691.98	126.55	692.26	47.31	221.46 268.77	5.02
51.60	430.00	0	0	0	687.10	725.00	694.40	68.49	694.82	100.92	0 0	6.28
51.60	430.00	0	0	0	687.10	725.00	694.87	62.86	695.55	20.09	230.94 260.03	7.14
56.00	440.00	0	0	0	691.30	725.00	697.70	105.11	697.92	167.16	0 250 0	5.80
56.00	440.00	0	0	0	691.30	725.00	698.82	101.04	699.02	58.53	197.47 256.00	4.21

A

B

(C)

D

E

F

SECTION NUMBER	DISCHARGE CFS	CASEI	CASEI DIFF EACH W	CASEI DIFF EACH SECTION	CASEI - WSFLK	TOPWID	T.W. DIFF	LENGTH
3.000	1170.000	639.690	0	0	0	27.397	0	0
3.000	1170.000	640.100	.410	0	0	28.614	-1.217	0
6.000	1170.000	641.814	0	2.126	0	7885.306	0	300.000
6.000	1170.000	641.828	.014	1.728	0	7894.968	-9.662	300.000
9.000	1170.000	646.318	0	4.502	0	116.530	0	300.000
9.000	1170.000	645.760	-.558	3.933	0	16.440	100.081	300.000
13.300	1170.000	651.018	0	4.700	0	154.240	0	430.000
13.300	1170.000	652.438	1.420	6.678	0	80.375	73.865	430.000

17,600	1170,000	653,720	0	2,702	0	146,846	0	430,000
17,600	1170,000	654,591	.871	2,154	0	69,105	77,341	430,000
22,000	1170,000	656,992	0	3,271	0	80,941	0	440,000
22,000	1170,000	658,120	X 1.128	3,529	0	29,210	51,731	440,000
27,000	1170,000	661,079	0	4,087	0	64,842	0	500,000
27,000	1170,000	662,166	1.087	4,046	0	21,001	43,841	500,000
32,000	1170,000	666,698	0	5,619	0	73,889	0	500,000
32,000	1170,000	667,947	X 1.249	5,781	0	22,360	50,666	500,000
37,000	1170,000	672,037	0	5,339	0	177,136	0	500,000
37,000	1170,000	673,245	X 1.208	5,292	0	35,995	141,141	500,000
43,000	900,000	685,627	0	13,590	0	96,804	0	600,000
43,000	900,000	685,504	1.124	12,258	0	24,244	72,562	600,000
47,300	900,000	690,944	0	5,318	0	120,371	0	430,000
47,300	900,000	691,977	1.033	6,474	0	47,305	73,066	430,000
51,600	725,000	694,398	0	3,458	0	100,919	0	430,000
51,600	725,000	694,865	.867	2,888	0	29,089	71,830	430,000
56,000	725,000	697,742	0	3,394	0	167,150	0	440,000
56,000	725,000	698,818	1.026	3,953	0	58,529	108,630	440,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1		0	0	67.240	0
2		4,000	466	58.700	48,539

12218

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

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C=0 100-YR R

J1 ICHECK INQ NYNV INIP STRY MFIPIC HVINS 0 WSEL FQ  
 0. 0. 0. 0. 0. 0. 0. 0. 643,800 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC TRW CHNIN ITHACE  
 1,000 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

J3 1,000 30,000 3,000 4,000 27,000 28,000 26,000 0. 0. 0.  
 NC 0,090 0,090 0,090 0,100 0,300 0. 0. 0. 0. 0.  
 QT 5,000 410,000 730,000 850,000 850,000 1100,000 0. 0. 0. 0.  
 ET 0. 0. 0. 0. 10,400 0. 0. 0. 0. 0.

X1 5,000 13,000 94,000 / 105,000 0. 0. 0. 0. 0. 0.  
 GR 666,700 0. 660,100 50,000 649,300 94,000 647,100 96,000 647,000 100,000  
 GR 647,300 103,000 649,600 105,000 648,200 150,000 647,100 200,000 648,500 230,000  
 GR 654,300 250,000 660,200 300,000 665,000 400,000 0. 0. 0. 0.

X1 10,000 0. 0. 0. 500,000 500,000 500,000 0. 6,700 0.

X1 15,000 0. 0. 0. 500,000 500,000 500,000 0. 6,700 0.

X1 20,000 10,000 189,000 / 210,000 500,000 500,000 500,000 0. 0. 0.  
 GR 695,000 0. 687,400 100,000 680,900 150,000 670,500 189,000 667,300 193,000  
 GR 666,700 200,000 667,200 208,000 669,200 210,000 677,900 250,000 685,200 300,000  
 GR 689,400 350,000 689,400 350,000 690,000 420,000 695,000 500,000 0. 0.  
 EJ 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

12464  
 12464

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIN C-4 FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	G	WSEI	FO
	0.	5.	0.	0.	0.	0.	0.	0.	644.800	0.
J2	NPROF	IPLT	PPFVS	XSECV	XSECH	FN	ALLDC	YBW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

12465  
12465

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-4		FLOODWAY										
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TD	FG	TOPWID	STENCL	STENCR	VCH
5.00	0.	0.	0.	647.00	850.00	649.06	26.72	649.45	120.07	0.730	0.	6.60
5.00	0.	0.	0.	647.00	850.00	650.21	27.48	651.05	49.32	94.00	163.32	8.38
10.00	500.00	0.	0.	653.70	850.00	657.32	110.18	657.41	148.80	0.	0.	2.41
10.00	500.00	0.	0.	653.70	850.00	658.47	111.64	658.59	88.66	94.00	182.66	2.41
15.00	500.00	0.	0.	660.40	850.00	662.99	47.79	663.26	140.79	0.	0.	4.24
15.00	500.00	0.	0.	660.40	850.00	664.07	46.23	664.47	75.52	94.00	169.52	5.43
20.00	500.00	0.	0.	666.70	850.00	673.13	70.72	673.61	49.01	0.200	0.	5.95
20.00	500.00	0.	0.	666.70	850.00	674.27	72.19	674.82	21.00	189.00	210.00	5.94

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH 0	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
5.000	850.000	649.065	0.	0.	0.	120.070	0.	0.
5.000	850.000	650.208	1.143	0.	0.	69.317	50.754	0.
10.000	850.000	657.325	0.	8.260	0.	148.707	0.	500.000
10.000	850.000	658.465	1.140	8.257	0.	88.655	60.101	500.000
15.000	850.000	662.994	0.	5.669	0.	140.700	0.	500.000
15.000	850.000	664.066	1.072	5.600	0.	75.519	65.271	500.000
20.000	850.000	673.130	0.	10.136	0.	49.011	0.	500.000
20.000	850.000	674.270	1.140	10.204	0.	21.001	28.010	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	4.294	0.
2	4.000	0.226	2.403	-1.892

12486



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 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 IPIS C-7 100-YR Q

J1	ICHECK	IND	NTNV	INDR	STRT	METRIC	HVINS	Q	WSEL	FN
	0.	0.	0.	0.	0.	0.	0.	0.	685,500	0.
J2	NPROF	IPLOT	PPFVS	XSECV	XSECH	FN	ALLOC	TBW	CHNIM	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	26,000	0.	0.	0.
NC	0.070	0.070	0.050	0.100	0.300	0.	0.	0.	0.	0.
WT	5.000	370,000	660,000	770,000	770,000	1000,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.
X1	584,000	15,000	150,000	275 400,000	0.	0.	0.	0.	0.	0.
GR	705,000	85,000	700,000	100,000	691,900	150,000	687,500	200,000	687,300	250,000
GR	685,000	300,000	684,800	316,000	681,500	320,000	679,000	334,000	679,100	347,000
GR	684,000	350,000	685,900	387,000	689,500	400,000	700,000	420,000	705,000	445,000
X1	7,000	11,000	100,000	150 160,000	1550,000	1550,000	1550,000	0.	-1,100	0.
GR	720,100	0.	715,000	50,000	706,200	100,000	702,600	140,000	698,700	145,000
GR	698,600	150,000	699,000	153,000	703,100	160,000	708,100	200,000	716,500	250,000
GR	718,700	300,000	0.	0.	0.	0.	0.	0.	0.	0.
X1	8,300	0.	0.	0.	130,000	130,000	130,000	0.	1,100	0.
X3	10,000	0.	0.	0.	0.	0.	0.	703,100	703,100	0.
SB	0.	1,500	3,000	0.	4,000	0.	38,000	0.	0.	0.
X1	9,300	12,000	296,500	750 303,500	100,000	100,000	100,000	0.	0.	0.
X2	0.	0.	1,000	702,100	709,200	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	709,700	709,700	0.
BT	9,000	0.	713,700	0.	100,000	711,800	0.	296,500	710,200	699,700
BT	297,500	710,200	702,100	300,000	710,200	703,100	302,500	710,200	702,100	303,500
BT	710,200	699,700	350,000	709,200	0.	350,000	718,000	0.	0.	0.
GR	720,000	0.	720,000	100,000	715,000	200,000	710,200	296,500	699,700	296,500
GR	697,200	297,500	696,200	300,000	697,200	302,500	699,700	303,500	710,200	303,500
GR	708,000	350,000	718,700	450,000	0.	0.	0.	0.	0.	0.
X1	10,600	11,000	100,000	150 160,000	129,000	129,000	129,000	0.	2,000	0.
GR	720,100	0.	715,000	50,000	706,200	100,000	702,600	140,000	698,700	145,000
GR	698,600	150,000	699,000	153,000	703,100	160,000	708,100	200,000	716,500	250,000
GR	718,700	300,000	0.	0.	0.	0.	0.	0.	0.	0.
X1	11,200	15,000	91,000	125 125,000	60,000	60,000	60,000	0.	-4,000	0.
GR	722,100	0.	714,300	50,000	708,000	91,000	704,300	98,000	704,000	100,000
GR	704,000	102,000	706,200	105,000	711,000	125,000	712,000	150,000	713,200	165,000
GR	717,600	200,000	719,100	250,000	722,000	300,000	725,100	350,000	726,000	380,000
X1	11,800	0.	0.	0.	60,000	60,000	60,000	0.	0,600	0.
X3	10,000	0.	0.	0.	0.	0.	0.	707,000	707,000	0.
SB	0.	1,500	3,000	0.	5,000	0.	33,000	0.	0.	0.

12392



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-6 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHOPD	MIN FL OF GROUND	DISCHARGE (CFS)	CWSFL	TO	FG	TOPWID	STENCL	STENCR	VCH
0.	0.	0.	0.	668.90	725.00	674.03	46.16	674.58	114.50	0.	200.00	7.30
0.	0.	0.	0.	668.90	725.00	674.30	33.47	676.00	20.84	189.00	209.84	10.53
4.00	400.00	0.	0.	675.00	725.00	680.93	66.54	681.23	127.85	0.	0.	5.46
4.00	400.00	0.	0.	675.00	725.00	682.49	77.91	682.91	33.98	189.00	222.98	5.57
8.00	400.00	0.	0.	681.90	725.00	687.08	49.04	687.58	115.23	0.	0.	6.93
8.00	400.00	0.	0.	681.90	725.00	687.78	42.01	688.99	23.06	189.00	212.07	8.99
11.00	300.00	0.	0.	686.90	725.00	692.36	62.31	692.68	124.87	0.	0.	5.75
11.00	300.00	0.	0.	686.90	725.00	693.72	65.23	694.25	31.63	189.00	220.63	6.19
15.50	450.00	0.	0.	694.30	725.00	699.54	51.75	700.00	116.87	0.	0.	6.64
15.50	450.00	0.	0.	694.30	725.00	700.44	47.75	701.02	24.99	189.00	213.99	8.18
20.00	450.00	0.	0.	701.70	725.00	707.20	58.74	707.78	99.82	0.	200.00	6.76
20.00	450.00	0.	0.	701.70	725.00	708.26	64.45	708.97	21.00	190.00	211.00	6.73
23.25	325.00	0.	0.	707.10	725.00	712.49	54.33	713.15	95.89	0.	0.	7.16
23.25	325.00	0.	0.	707.10	725.00	713.06	53.17	713.96	21.00	190.00	211.00	7.63
26.50	325.00	0.	0.	712.50	725.00	717.98	58.08	718.57	99.28	0.	0.	6.81
26.50	325.00	0.	0.	712.50	725.00	718.71	57.79	719.52	21.00	190.00	211.00	7.23
29.75	325.00	0.	0.	717.90	725.00	723.29	54.82	723.95	96.35	0.	0.	7.12
29.75	325.00	0.	0.	717.90	725.00	723.99	55.63	724.85	21.00	190.00	211.00	7.41
33.00	325.00	0.	0.	723.50	725.00	729.15	54.16	729.71	77.79	0.	150.00	7.21
33.00	325.00	0.	0.	723.50	725.00	730.11	49.40	731.08	21.23	136.77	158.00	8.21

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH	CWSFL DIFF EACH SECTION	CWSFL-WSELX	TOPWID	T.W. DIFF	LENGTH
0.	725.000	674.004	0.	0.	0.	114.497	0.	0.
0.	725.000	674.300	0.291	0.	0.	20.836	93.641	0.
4.000	725.000	680.934	0.	6.926	0.	127.850	0.	400.000
4.000	725.000	682.489	1.555	6.189	0.	33.975	93.875	400.000
8.000	725.000	687.076	0.	6.184	0.	115.234	0.	400.000
8.000	725.000	687.781	0.703	5.291	0.	23.045	92.170	400.000
11.000	725.000	692.356	0.	5.278	0.	124.874	0.	300.000
11.000	725.000	693.725	1.369	5.904	0.	31.632	93.202	300.000
15.500	725.000	699.538	0.	7.183	0.	116.873	0.	450.000
15.500	725.000	700.448	0.900	6.714	0.	24.989	91.884	450.000
20.000	725.000	707.203	0.	7.665	0.	99.819	0.	450.000
20.000	725.000	708.263	1.060	7.824	0.	21.001	78.818	450.000
23.250	725.000	712.486	0.	5.283	0.	95.892	0.	325.000
23.250	725.000	713.061	0.575	4.798	0.	21.001	74.891	325.000
26.500	725.000	717.977	0.	5.492	0.	99.276	0.	325.000
26.500	725.000	718.712	0.734	5.651	0.	21.001	78.275	325.000

12482

29.750	725.000	723.292	0.	5.315	0.	96.346	0.	325.000
29.750	725.000	723.994	0.702	5.283	0.	21.001	75.345	325.000
33.000	725.000	729.146	0.	5.853	0.	77.789	0.	325.000
33.000	725.000	730.106	0.960	6.112	0.	21.232	56.557	325.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRFS	TOP WIDTH AREA-DIFF
1	0.	0.	8.261	0.
2	4.000	0.443	1.860	-6.402



# Floodway

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,0A,09  
 MODIFICATIONS 52,53,54,55,56,57,5A  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-6 100-YR Q

J1	ICHECK	INQ	NINV	IOIP	STRT	METRIC	MVINS	Q	WSEI	FN
	0.	0.	0.	0.	0.	0.	0.	0.	673.300	0.
J2	NPRDF	IPLAT	PRFVS	XSECV	XSECH	FN	ALLDC	TBW	CHNIV	ITRACE
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	1.000	34.000	5.000	4.000	27.000	28.000	26.000	0.	0.	0.
NC	0.000	0.000	0.005	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	350.000	620.000	725.000	725.000	940.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10.400.	0.	0.	0.	0.	0.
X1	0.	18.000	189.000	<del>200</del> 208.000	0.	0.	0.	0.	-18.000	0.
GR	707.100	0.	707.800	20.000	704.200	28.000	703.300	50.000	697.800	100.000
GR	693.500	150.000	692.100	189.000	687.300	197.000	686.900	200.000	687.200	203.000
GR	691.100	208.000	690.500	234.000	690.900	250.000	691.600	300.000	697.200	350.000
GR	699.400	362.000	703.800	367.000	704.900	391.000	0.	0.	0.	0.
X1	4.000	0.	0.	0.	400.000	400.000	400.000	0.	6.500	0.
X1	8.000	0.	0.	0.	400.000	400.000	400.000	0.	6.500	0.
X1	11.000	0.	0.	0.	300.000	300.000	300.000	0.	5.000	0.
X1	15.500	0.	0.	0.	450.000	450.000	450.000	0.	7.400	0.
X1	20.000	13.000	190.000	<del>200</del> 211.000	450.000	450.000	450.000	0.	0.	0.
GR	725.200	0.	726.000	50.000	712.700	92.000	708.700	100.000	706.300	150.000
GR	705.900	190.000	702.300	196.000	701.700	200.000	701.800	204.000	705.700	211.000
GR	707.200	231.000	719.400	250.000	734.400	300.000	0.	0.	0.	0.
X1	23.250	0.	0.	0.	325.000	325.000	325.000	0.	5.400	0.
X1	26.500	0.	0.	0.	325.000	325.000	325.000	0.	5.400	0.
X1	29.750	0.	0.	0.	325.000	325.000	325.000	0.	5.400	0.
X1	33.000	10.000	143.000	<del>150</del> 158.000	325.000	325.000	325.000	0.	0.	0.
GR	744.200	0.	736.900	50.000	727.700	100.000	727.400	143.000	723.500	147.000
GR	723.600	150.000	724.500	153.000	727.300	158.000	733.800	200.000	745.300	250.000
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

12477

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-5-1		FLOODWAY										
SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN FL OF GROUND	DISCHARGE (CFS)	CWSFL	TD	FG	TOPWID	STENCL	STENCR.	VCH
8.00	0.	0.	0.	652.80	610.00	661.26	341.50	661.27	301.03	0.250	0.	0.77
8.00	0.	0.	0.	652.80	610.00	662.26	353.20	662.27	122.16	174.12	296.28	0.81
3.00	500.00	0.	0.	658.40	610.00	663.10	23.99	663.58	143.20	0.250	0.	6.57
3.00	500.00	0.	0.	658.40	610.00	663.79	18.40	664.90	33.97	220.03	254.00	9.31
6.00	800.00	0.	0.	659.40	610.00	667.90	141.72	667.96	102.93	0.250	0.	2.37
6.00	800.00	0.	0.	659.40	610.00	668.91	154.55	668.98	48.47	223.54	272.01	2.37
11.00	500.00	0.	0.	665.40	610.00	670.36	24.41	671.08	40.42	0.250	0.	6.82
11.00	500.00	0.	0.	665.40	610.00	670.33	22.23	671.77	17.00	240.00	257.00	9.64
16.00	1000.00	0.	0.	677.90	610.00	685.07	75.99	685.23	80.91	0.250	0.	3.67
16.00	1000.00	0.	0.	677.90	610.00	686.17	79.15	686.38	27.90	240.00	267.90	3.75
20.50	450.00	0.	0.	685.40	610.00	690.05	25.77	691.08	43.43	0.250	0.	8.50
20.50	450.00	0.	0.	685.40	610.00	691.20	30.72	692.15	17.00	240.00	257.00	7.81
25.00	900.00	0.	0.	684.90	610.00	694.27	196.02	694.31	117.11	0.250	0.	1.85
25.00	900.00	0.	0.	684.90	610.00	694.91	191.11	694.96	57.65	215.77	273.42	1.99

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH	CWSFL DIFF EACH SECTION	CWSFL-WSELK	TOPWID	T.W. DIFF	LENGTH
8.000	610.000	661.260	0.	0.	0.	301.028	0.	0.
8.000	610.000	662.260	1.000	0.	0.	122.158	178.870	0.
3.000	610.000	663.105	0.	1.805	0.	143.199	0.	500.000
3.000	610.000	663.790	0.685	1.530	0.	33.970	109.230	500.000
6.000	610.000	667.897	0.	4.793	0.	102.930	0.	800.000
6.000	610.000	668.909	1.011	5.119	0.	48.449	54.461	800.000
11.000	610.000	670.356	0.	2.458	0.	40.416	0.	500.000
11.000	610.000	670.331	-0.024	1.423	0.	17.001	23.415	500.000
16.000	610.000	685.075	0.	14.719	0.	80.906	0.	1000.000
16.000	610.000	686.171	1.096	15.839	0.	27.809	53.006	1000.000
20.500	610.000	690.051	0.	5.376	0.	43.430	0.	450.000
20.500	610.000	691.203	0.752	5.032	0.	17.001	26.429	450.000
25.000	610.000	694.271	0.	3.820	0.	117.109	0.	900.000
25.000	610.000	694.911	0.640	3.708	0.	57.609	59.461	900.000

DATA FOR LAST CROSS SECTION:

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-APRES	TOP WIDTH AREA-DIFF
1	0.	0.	9.326	0.
2	4.000	0.282	3.547	-5.778

12473

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-5-1 FLOODWAY

J1	ICHECK	ING	NTNV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	5.	0.	0.	0.	0.	0.	0.	662.240	0.

J2	NPROF	IPLNT	PRFVS	XSECV	XSECH	FN	ALLOC	TBW	CHNIN	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

12471

# Floodway

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N/C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-5-1 100-YP 0

J1	ICHECK	INQ	NJNV	IDIP	S*RT	METRIC	RVINS	Q	WSEI	FD
	0.	0.	0.	0.	0.	0.	0.	0.	661,260	0.
J2	NPROF	IPL01	PRFVS	XSECV	XRECH	FN	ALLOF	TBW	CHNIM	ITRACF
	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	0.090	0.090	0.090	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	290.000	520.000	610.000	610.000	790.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10.400	0.	0.	0.	0.	0.
X1	8.000	20.000	207.000	254.000	0.	0.	0.	0.	0.	0.
GR	670.000	0.	661.600	100.000	658.500	150.000	656.200	200.000	652.800	201.000
GR	653.100	202.000	653.000	204.000	656.300	206.000	656.600	247.000	653.500	248.000
GR	653.400	250.000	653.500	252.000	657.400	254.000	657.300	300.000	657.000	313.000
GR	660.300	425.000	660.700	350.000	660.700	400.000	665.000	450.000	670.000	500.000
X1	3.000	0.	0.	0.	500.000	500.000	500.000	0.	5.600	0.
X1	6.000	13.000	240.000	257.000	800.000	800.000	800.000	0.	-12,500	0.
GR	697.100	0.	693.700	50.000	686.900	100.000	683.100	150.000	679.500	200.000
GR	676.800	240.000	672.000	246.000	671.900	250.000	671.900	254.000	675.500	257.000
GR	677.000	282.000	684.300	300.000	699.400	350.000	0.	0.	0.	0.
X1	11.000	0.	0.	0.	500.000	500.000	500.000	0.	6.000	0.
X1	16.000	13.000	240.000	257.000	1000.000	1000.000	1000.000	0.	6.000	0.
GR	697.100	0.	693.700	50.000	686.900	100.000	683.100	150.000	679.500	200.000
GR	676.800	240.000	672.000	246.000	671.900	250.000	671.900	254.000	675.500	257.000
GR	677.000	282.000	684.300	300.000	699.400	350.000	0.	0.	0.	0.
X1	20.500	0.	0.	0.	450.000	450.000	450.000	0.	7.500	0.
X1	25.000	13.000	240.000	257.000	900.000	900.000	900.000	0.	13.000	0.
GR	697.100	0.	693.700	50.000	686.900	100.000	683.100	150.000	679.500	200.000
GR	676.800	240.000	672.000	246.000	671.900	250.000	671.900	254.000	675.500	257.000
GR	677.000	282.000	684.300	300.000	699.400	350.000	0.	0.	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

12469

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRTB C=5 FLOODWAY

J1 TCHECK INQ NIKV TDIR STRI METRIC HVIMS 0 \*SPL PD  
 =0 5. =0 =0 =0 =0 =0 =0 449,700 =0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC ISW CWNIM ITRACE  
 15,000 =0 =0 =0 =0 =0 =0 =0 =0 =0

12190

Russ

# Floodway

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-5 100-YR G

J1	TCHECK	IND	VINV	TDIR	STRT	METRIC	HVINS.	0	4SPL	FW
	0	4	0	0	0	0	0	0	648,700	=0

J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	1,000	=0	=0	=0	=0	=0	=0	=0	=0	=0

J3	1,000	14,000	3,000	4,000	27,000	20,000	26,000	=0	=0	=0
NC	.090	.090	.090	.100	.300	=0	=0	=0	=0	=0
QT	5,000	410,000	730,000	850,000	850,000	1100,000	=0	=0	=0	=0
ET	=0	=0	=0	=0	10,400	=0	=0	=0	=0	=0

A	X1	3,700	14,000	139,000	163,000	0	0	0	=0	=0	=0
	RR	666,800	0	667,800	42,000	667,100	50,000	660,500	52,000	655,700	100,000

Russ

**Floodway**

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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA NC											
T2 FLOOD INSURANCE											
T3 TRTB C=5 100-YR G											
J1	TCHECK	INQ	MINV	TOTR	STPT	METRIC	HVINS	D	ASPL	FIG	
	0	0	0	0	0	0	0	0	448,700	=0	
J2	NPROF	IPLOT	PREVS	YSECV	YSECH	FN	ALLOC	IPW	CHNTM	YTRACE	
	1,000	=0	=0	=0	=0	=0	=0	=0	=0	=0	
J3	1,000	14,000	3,000	4,000	27,000	28,000	26,000				
NC	.090	.090	.090	.100	.300	=0	=0				
BT	5,000	410,000	730,000	850,000	850,000	1100,000					
ET	=0	=0	=0	=0	10,800	=0	=0				
A	X1	3,700	14,000	139,000	163,000	=0	=0				
	GR	666,800	0	663,800	42,000	662,100	50,000	660,500	52,000	655,700	100,000
	GR	654,200	179,000	648,800	145,000	648,200	150,000	648,400	154,000	653,100	163,000
	GR	653,400	200,000	654,700	250,000	659,600	300,000	663,500	350,000	=0	=0
	X1	3,850	=0	=0	=0	15,000	15,000	15,000		300	=0
	X3	10,000	=0	=0	=0	=0	=0	=0	652,400	652,400	=0
	NC	.020	.015	.020	=0	=0	=0	=0	=0	=0	=0
	X1	3,900	10,000	148,000	152,000	15,000	15,000	15,000		=0	=0
	BT	8,000	0	666,000	=0	100,000	657,600	=0	148,000	654,700	650,500
	BT	148,600	654,700	651,900	150,000	654,700	652,400	151,400	654,700	651,900	152,000
	BT	654,700	650,500	350,000	664,200	=0	=0	=0	=0	=0	=0
	GR	665,400	=0	658,000	100,000	654,700	148,000	650,500	148,000	649,100	148,600
	GR	648,500	150,000	640,100	151,400	650,500	152,000	654,700	152,000	664,200	350,000
	X1	4,150	=0	=0	=0	35,000	35,000	35,000		=0	=0
	X2	=0	=0	=0	=0	=0	=0	1,000		=0	=0
	NC	.090	.090	.090	=0	=0	=0	=0	=0	=0	=0
B	X1	4,400	10,000	141,000	155,000	25,000	25,000	25,000		=0	=0
	X3	10,000	=0	=0	=0	=0	=0	=0	650,700	650,700	=0
	GR	665,400	0	661,600	50,000	658,000	100,000	654,800	141,000	648,700	148,000
	GR	644,600	150,000	650,100	151,000	652,100	155,000	653,200	200,000	660,100	350,000
C	X1	8,000	20,000	247,000	254,000	360,000	360,000	360,000		=0	=0
	GR	670,000	0	661,600	100,000	658,500	150,000	656,200	200,000	652,800	201,000
	GR	653,100	202,000	653,000	204,000	656,300	205,000	656,400	247,000	653,500	248,000
	GR	653,400	250,000	653,500	252,000	657,400	254,000	657,300	300,000	657,000	317,000
	GR	660,300	325,000	660,700	350,000	660,700	400,000	665,000	450,000	670,000	500,000
	X1	12,200	0	=0	=0	420,000	420,000	420,000		5,300	=0
	X1	16,400	0	=0	=0	420,000	420,000	420,000		5,300	=0

D	X1	20,000	0	0	0	420,000	420,000	420,000	=0	5,500	=0
	X1	20,000	0	0	0	420,000	420,000	420,000	=0	5,500	=0
E	X1	20,000	13,000	93,000	110,000	420,000	420,000	420,000	=0	=0	=0
	GR	702,000	0	701,200	6,000	684,700	50,000	685,500	93,000	680,500	97,000
	GR	679,000	100,000	679,000	100,000	685,300	110,000	687,300	150,000	694,100	200,000
	GR	694,700	212,000	701,000	221,000	706,700	250,000	=0	=0	=0	=0
	EJ	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0

12188

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-7		FLOODWAY										
SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CROWN	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	TQ	FG	TOPWID	STENCL	STENCR	VCM
584.00	0.	0.	0.	670.00	770.00	685.50	108.84	685.70	90.08	0.	0.	3.62
584.00	0.	0.	0.	679.00	770.00	686.50	177.55	686.59	121.78	150.00	400.00	2.40
7.00	1550.00	0.	0.	697.50	770.00	702.71	52.32	704.18	39.16	0.1520	0.	9.85
7.00	1550.00	0.	0.	697.50	770.00	702.48	44.43	704.29	20.00	140.00	160.00	10.80
8.30	130.00	0.	0.	698.60	770.00	705.09	94.32	705.70	43.62	0.	0.	6.63
8.30	130.00	0.	0.	698.60	770.00	705.44	85.41	706.22	20.00	140.00	160.00	7.08
9.30	100.00	0.	0.	696.20	770.00	710.24	72.61	710.74	75.39	0.340	0.	6.37
9.30	100.00	0.	0.	696.20	770.00	710.59	58.57	711.55	21.01	296.50	317.51	7.97
10.60	120.00	0.	0.	700.60	770.00	710.88	378.34	710.94	119.85	0.150	0.	2.40
10.60	120.00	0.	0.	700.60	770.00	711.72	406.34	711.78	40.66	113.03	174.50	2.37
11.20	60.00	0.	0.	700.00	770.00	710.91	423.09	710.96	132.55	0.105	0.	2.01
11.20	60.00	0.	0.	700.00	770.00	711.75	444.59	711.80	59.47	74.54	134.02	2.05
11.80	60.00	0.	0.	700.60	770.00	710.92	340.60	710.99	124.18	0.	0.	2.31
11.80	60.00	0.	0.	700.60	770.00	711.75	367.39	711.83	50.27	77.92	128.20	2.37
12.80	100.00	0.	0.	701.80	770.00	718.90	1277.48	718.90	222.92	0.150	0.	1.05
12.80	100.00	0.	0.	701.80	770.00	719.72	1301.14	719.73	106.55	61.08	167.62	1.07
13.20	40.00	0.	0.	704.00	770.00	718.90	1144.75	718.91	181.28	0.105	0.	0.98
13.20	40.00	0.	0.	704.00	770.00	719.72	1152.92	719.73	99.36	60.28	159.64	1.02
19.60	440.00	0.	0.	709.60	770.00	718.93	290.31	719.00	114.50	0.290	0.	2.79
19.60	440.00	0.	0.	709.60	770.00	719.74	293.97	719.83	56.97	260.10	317.06	2.94
25.70	610.00	0.	0.	718.90	770.00	722.77	45.33	724.30	25.82	0.150	0.	9.91
25.70	610.00	0.	0.	718.90	770.00	722.77	45.34	724.30	25.82	135.00	167.00	9.91
25.80	10.00	0.	0.	718.90	770.00	723.66	66.28	724.55	28.38	0.	0.	7.57
25.80	10.00	0.	0.	718.90	770.00	723.66	66.39	724.55	28.39	135.00	167.00	7.56
26.60	80.00	0.	0.	719.30	770.00	732.21	113.93	732.74	11.00	0.150	0.	5.85
26.60	80.00	0.	0.	719.30	770.00	732.21	113.59	732.74	11.00	145.50	156.50	5.84
26.80	20.00	0.	0.	721.00	770.00	732.77	538.20	732.80	158.60	0.25	0.	1.76
26.80	20.00	0.	0.	721.00	770.00	732.75	449.95	732.81	56.70	75.89	132.59	2.10
29.90	310.00	0.	0.	726.20	770.00	732.83	172.34	732.98	87.65	0.150	0.	3.09
29.90	310.00	0.	0.	726.20	770.00	732.77	113.63	733.12	47.55	125.00	181.35	4.64

A

B

C

D

E

F

12399

SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH	CWSFL DIFF EACH SECTION	CWSFL - WSELK	TOPWID	T.W. DIFF	LENGTH
584.000	770.000	685.500	0.	0.	0.	90.090	0.	0.
584.000	770.000	686.500	1.000	0.	0.	121.775	-31.695	0.
7.000	770.000	702.712	0.	17.212	0.	39.159	0.	1550.000
7.000	770.000	702.476	-0.236	15.976	0.	20.001	19.158	1550.000
8.300	770.000	705.095	0.	2.383	0.	63.622	0.	130.000
8.300	770.000	705.443	0.348	2.967	0.	20.001	43.621	130.000

9,300	770,000	710,242	0.	5.148	0.	75,305	0.	100,000
9,300	770,000	710,501	0.348	5.148	0.	21,011	54,384	100,000
10,600	770,000	710,879	0.	0.637	0.	119,845	0.	129,000
10,600	770,000	711,719	0.840	1.129	0.	60,663	59,182	129,000
11,200	770,000	710,913	0.	0.033	0.	132,554	0.	60,000
11,200	770,000	711,747	0.834	0.027	0.	59,475	73,079	60,000
11,800	770,000	710,925	0.	0.012	0.	124,182	0.	60,000
11,800	770,000	711,753	0.828	0.006	0.	50,274	73,907	60,000
12,800	770,000	718,896	0.	7.972	0.	222,918	0.	100,000
12,800	770,000	719,724	0.828	7.972	0.	106,548	116,371	100,000
13,200	770,000	718,896	0.	-0.001	0.	181,277	0.	40,000
13,200	770,000	719,723	0.828	-0.001	0.	99,358	81,919	40,000
19,600	770,000	718,931	0.	0.035	0.	114,501	0.	640,000
19,600	770,000	719,744	0.813	0.021	0.	56,966	57,535	640,000
25,700	770,000	722,771	0.	3.840	0.	25,815	0.	610,000
25,700	770,000	722,772	0.001	3.028	0.	25,817	-0.002	610,000
25,800	770,000	723,662	0.	0.891	0.	28,376	0.	10,000
25,800	770,000	723,664	0.002	0.892	0.	28,388	-0.012	10,000
26,600	770,000	732,211	0.	8.549	0.	11,000	0.	80,000
26,600	770,000	732,212	0.002	8.549	0.	11,000	0.	80,000
26,800	770,000	732,767	0.	0.556	0.	158,604	0.	20,000
26,800	770,000	732,748	-0.019	0.535	0.	56,704	101,900	20,000
29,900	770,000	732,834	0.	0.067	0.	87,607	0.	310,000
29,900	770,000	732,774	-0.060	0.026	0.	47,350	40,298	310,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRFS	TOP WIDTH AREA=DIFF
1	0.	0.	7.949	0.
2	4,000	0.375	5.339	-2.610

\*\*\*\*\*  
 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIP C-R FLOODWAY

J1	ICHECK	INQ	NINV	JOIR	STRT	METRIC	HVINS	R	WSEI	FO
	0.	5.	0.	0.	0.	0.	0.	0.	688,100	0.

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	TBW	CHNIM	ITRACE
	15,000	0.	0.	0.	0.	0.	0.	0.	0.	0.

12417

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

T1 GASTONIA N F  
 T2 FLOOD INSURANCE  
 T3 TRIP C-A 100-YR D

J1	ICHECK	IND	NTNV	IDIP	STRT	MEPIC	HVINS	Q	WSEI	FO
	0.	4.	0.	0.	0.	0.	0.	0.	687.100	0.
J2	NPROF	IPLDT	PREVS	XSECV	XSECH	FN	ALLOF	TBW	CHNIN	ITRACF
	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	0.000	0.000	0.000	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	560.000	980.000	1160.000	1160.000	1450.000	0.	0.	0.	0.
ET	0.	0.	0.	0.	10.400	0.	0.	0.	0.	0.
X1	595.000	20.000	508.000	20645.000	0.	0.	0.	0.	0.	0.
GR	705.000	45.000	700.000	100.000	695.000	150.000	692.700	200.000	692.000	250.000
GR	693.400	273.000	686.500	287.000	686.300	298.000	686.400	310.000	690.800	317.000
GR	689.000	250.000	682.700	400.000	682.500	450.000	688.200	500.000	685.500	550.000
GR	687.300	598.000	685.600	600.000	681.200	605.000	681.100	617.000	681.700	635.000
GR	689.200	645.000	688.600	650.000	687.600	700.000	687.800	750.000	687.800	800.000
GR	689.300	833.000	691.500	850.000	700.000	855.000	705.000	915.000	0.	0.
X1	4.400	20.000	280.000	315.000	1740.000	1740.000	1740.000	0.	0.	0.
GR	706.600	0.	705.400	50.000	702.400	100.000	701.600	150.000	696.900	200.000
GR	694.600	250.000	694.300	280.000	687.100	290.000	687.000	300.000	687.400	310.000
GR	693.600	315.000	694.700	350.000	694.900	400.000	696.400	450.000	697.600	500.000
GR	698.400	550.000	699.300	600.000	700.200	650.000	701.200	700.000	705.000	800.000
NC	0.070	0.070	0.040	0.100	0.300	0.	0.	0.	0.	0.
X1	19.000	15.000	188.000	209.000	1460.000	1450.000	1450.000	0.	0.	0.
GR	718.200	0.	710.900	50.000	703.600	100.000	704.000	150.000	704.400	188.000
GR	696.300	197.000	696.900	200.000	697.400	204.000	701.600	209.000	704.300	250.000
GR	705.700	300.000	707.100	337.000	710.000	360.000	715.000	430.000	720.000	490.000
X1	19.750	0.	0.	0.	75.000	75.000	75.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	704.200	704.200	0.
SR	0.	1.500	3.000	0.	8.000	0.	70.000	0.	0.	0.
X1	20.250	19.000	194.300	205.600	50.000	50.000	50.000	0.	0.	0.
X2	0.	0.	1.000	703.200	706.400	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	706.900	706.900	0.
BT	22.000	0.	717.900	0.	50.000	713.700	0.	100.000	710.200	0.
BT	150.000	707.800	0.	190.000	706.700	0.	194.300	706.400	699.600	94.400
BT	706.400	701.000	195.200	706.400	702.200	195.200	706.400	702.200	197.900	706.400
BT	704.000	200.000	706.400	704.200	202.200	706.400	704.000	203.800	706.400	703.200
BT	203.800	706.400	702.200	205.600	706.400	701.000	205.600	706.400	699.600	220.000
BT	706.300	0.	250.000	706.000	0.	500.000	706.900	0.	350.000	708.700
BT	0.	400.000	711.300	0.	450.000	714.500	0.	0.	0.	0.
GR	718.200	0.	710.900	50.000	703.600	100.000	704.000	150.000	704.400	190.000
GR	699.600	194.300	698.200	195.200	697.200	197.900	697.000	200.000	697.200	202.200
GR	698.200	203.800	699.600	205.600	701.600	220.000	706.300	250.000	705.700	300.000

12412

GR	707,100	337,000	710,000	350,000	712,000	400,000	720,000	2950,000	0.	0.
X1	20,500	18,000	182,000	205 227,000	25,000	25,000	25,000	0.	0.	0.
GR	714,500	0.	707,700	50,000	706,200	62,000	705,000	100,000	705,300	120,000
GR	707,500	132,000	706,600	140,000	707,100	154,000	706,800	148,000	706,900	182,000
GR	697,300	197,000	697,600	200,000	698,000	203,000	704,300	227,000	705,900	250,000
GR	707,500	300,000	709,600	350,000	711,600	400,000	0.	0.	0.	0.
X1	25,800	14,000	240,000	290 325,000	530,000	530,000	530,000	0.	0.	0.
GR	720,000	0.	715,000	100,000	711,100	200,000	711,000	235,000	711,800	250,000
GR	711,100	260,000	700,200	200,000	698,800	300,000	700,200	315,000	707,700	325,000
GR	713,200	350,000	718,000	376,000	718,300	400,000	719,600	450,000	0.	0.
X1	26,250	0.	0.	0.	45,000	45,000	45,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	709,900	709,900	0.
SB	0.	1,500	3,000	0.	6,280	0.	50,000	0.	0.	0.
X1	26,250	22,000	388,000	395 396,100	100,000	100,000	100,000	0.	0.	0.
X2	0.	0.	1,000	709,900	713,900	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	714,400	714,400	0.
BT	14,000	0.	720,000	0.	100,000	715,000	0.	200,000	710,100	0.
BT	300,000	711,700	0.	370,000	712,800	0.	388,000	713,900	705,900	389,100
BT	713,900	708,700	392,000	713,900	709,900	394,900	713,900	708,700	396,100	713,900
BT	705,900	423,000	714,800	0.	535,000	719,200	0.	535,000	719,200	0.
BT	600,000	722,200	0.	0.	0.	0.	0.	0.	0.	0.
GR	720,000	0.	715,000	100,000	710,700	200,000	711,400	250,000	709,200	280,000
GR	704,000	290,000	703,700	300,000	703,600	309,000	709,500	319,000	705,600	350,000
GR	706,400	370,000	705,900	388,000	703,100	389,100	701,800	392,000	703,100	394,900
GR	705,900	396,100	718,700	400,000	719,600	414,000	719,800	423,000	721,300	450,000
GR	726,000	535,000	728,400	600,000	0.	0.	0.	0.	0.	0.
X1	33,000	18,000	235,000	250 248,000	575,000	575,000	575,000	0.	0.	0.
GR	735,000	0.	735,000	60,000	729,700	100,000	727,800	115,000	717,600	150,000
GR	711,200	200,000	710,800	235,000	706,400	245,000	706,100	250,000	706,100	255,000
GR	713,500	268,000	718,100	300,000	722,100	310,000	721,600	335,000	721,900	350,000
GR	725,000	400,000	730,000	450,000	734,000	500,000	0.	0.	0.	0.
X1	33,450	0.	0.	0.	45,000	45,000	45,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	713,600	713,600	0.
SB	0.	1,500	3,000	0.	6,000	0.	44,000	0.	0.	0.
SB	0.	1,500	3,000	0.	6,000	0.	44,000	0.	0.	0.
X1	34,150	10,000	196,000	200 203,700	70,000	70,000	70,000	0.	0.	0.
X2	0.	0.	1,000	713,000	721,900	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	722,400	722,400	0.
BT	15,000	0.	740,000	0.	30,000	735,000	0.	70,000	730,000	0.
BT	150,000	724,100	0.	190,000	722,400	0.	196,000	721,900	709,900	197,300
BT	721,900	712,500	200,000	721,900	713,600	202,700	721,900	712,500	203,700	721,900
BT	709,900	210,000	721,600	0.	250,000	720,800	0.	350,000	722,500	0.
BT	400,000	724,000	0.	500,000	726,500	0.	0.	0.	0.	0.
GR	740,000	0.	735,000	30,000	730,000	70,000	727,900	100,000	722,200	101,000
GR	718,200	150,000	710,900	190,000	708,100	193,000	709,900	196,000	707,200	197,300
GR	706,200	200,000	707,200	202,700	709,900	203,700	713,000	210,000	716,600	250,000
GR	723,200	300,000	725,000	350,000	726,400	400,000	728,200	500,000	0.	0.
X1	34,300	16,000	191,000	200 204,000	15,000	15,000	15,000	0.	0.	0.
GR	740,000	0.	735,000	30,000	730,000	70,000	727,900	100,000	722,200	101,000
GR	718,200	150,000	710,900	191,000	708,100	193,000	707,200	200,000	707,200	207,000
GR	713,000	209,000	716,600	250,000	725,200	300,000	725,000	320,000	726,400	400,000
GR	726,200	500,000	0.	0.	0.	0.	0.	0.	0.	0.
X1	41,000	17,000	290,000	300 314,000	700,000	700,000	700,000	0.	0.	0.
GR	730,000	0.	723,500	100,000	723,600	200,000	721,600	250,000	717,500	290,000
GR	711,000	294,000	711,000	300,000	712,200	306,000	719,900	314,000	719,100	350,000
GR	721,900	370,000	725,300	386,000	725,200	400,000	725,600	427,000	726,200	439,000
GR	730,000	460,000	735,000	500,000	0.	0.	0.	0.	0.	0.

X1	41,750	0.	0.	0.	75,000	75,000	75,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	720,800	720,800	0.
SB	0.	1,500	3,000	0.	13,000	0.	76,000	0.	0.	0.
X1	42,250	25,000	290,500	300 309,500	50,000	50,000	50,000	0.	0.	0.
X2	0.	0.	1,000	720,800	722,700	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	723,200	723,200	0.
BT	21,000	0.	735,000	0.	100,000	730,000	0.	200,000	724,500	0.
BT	250,000	723,200	0.	290,000	722,800	0.	290,500	722,700	717,200	291,500
BT	722,700	719,700	294,000	722,700	720,800	297,500	722,700	719,700	297,500	722,700
BT	717,200	302,500	722,700	717,300	303,500	722,700	719,800	306,000	722,700	720,800
BT	308,500	722,700	719,800	309,500	722,700	717,300	309,500	722,700	0.	350,000
BT	722,800	0.	400,000	724,000	0.	450,000	727,600	0.	500,000	731,300
BT	0.	550,000	735,000	0.	0.	0.	0.	0.	0.	0.
GR	730,000	0.	723,600	100,000	723,600	200,000	721,600	250,000	717,500	290,000
GR	717,200	290,500	714,800	291,500	713,800	290,000	714,800	295,500	717,200	297,500
GR	713,300	302,500	714,800	303,500	713,800	306,000	714,800	308,500	717,300	309,500
GR	719,900	314,000	719,100	350,000	721,900	370,000	725,300	386,000	725,200	400,000
GR	725,000	427,000	726,200	450,000	730,000	461,000	735,000	500,000	735,000	550,000
X1	42,500	15,000	290,000	300 312,000	25,000	25,000	25,000	0.	0.	0.
GR	735,000	0.	730,000	100,000	725,000	180,000	722,300	200,000	721,100	250,000
GR	720,700	290,000	714,600	292,000	714,300	300,000	715,500	308,000	720,500	312,000
GR	722,900	350,000	723,900	400,000	727,100	450,000	730,000	480,000	735,000	550,000
X1	48,000	13,000	335,000	350 365,000	550,000	550,000	550,000	0.	0.	0.
GR	740,000	0.	735,000	100,000	729,700	200,000	725,100	219,000	723,900	250,000
GR	723,300	300,000	723,000	335,000	718,200	343,000	717,700	350,000	718,500	356,000
GR	729,900	365,000	735,000	400,000	743,900	450,000	0.	0.	0.	0.
X1	42,150	0.	0.	0.	15,000	15,000	15,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	724,800	724,800	0.
SB	0.	1,500	3,000	0.	10,200	0.	33,000	0.	0.	0.
X1	48,250	18,000	346,800	350 353,200	60,000	60,000	60,000	0.	0.	0.
X2	0.	0.	1,000	713,600	721,900	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	722,400	722,400	0.
BT	15,000	0.	745,000	0.	80,000	740,000	0.	200,000	730,200	0.
BT	250,000	728,200	0.	300,000	727,900	0.	340,000	729,600	0.	346,800
BT	730,200	721,500	307,700	730,200	723,800	350,000	730,200	724,800	352,300	730,200
BT	723,800	353,200	730,200	721,500	340,000	731,200	0.	400,000	735,500	0.
BT	450,000	740,000	0.	500,000	745,000	0.	0.	0.	0.	0.
GR	740,000	0.	735,000	80,000	729,700	200,000	725,100	219,000	723,900	250,000
GR	723,300	300,000	723,000	335,000	718,200	340,000	721,500	346,800	719,200	347,700
GR	718,300	350,000	719,200	352,300	721,500	353,200	718,500	360,000	729,900	365,000
GR	735,000	400,000	743,900	450,000	745,000	500,000	0.	0.	0.	0.
X1	49,200	16,000	340,000	350 371,000	44,000	44,000	44,000	0.	0.	0.
GR	745,000	0.	740,000	100,000	735,000	150,000	731,900	200,000	728,900	249,000
GR	725,400	250,000	724,500	300,000	724,400	340,000	719,500	342,000	718,800	350,000
GR	719,500	353,000	730,500	371,000	732,200	400,000	733,600	420,000	741,600	450,000
GR	745,000	470,000	0.	0.	0.	0.	0.	0.	0.	0.
X1	59,700	12,000	139,000	150 162,000	1050,000	1050,000	1050,000	0.	0.	0.
GR	750,100	0.	740,900	35,000	738,800	50,000	734,300	100,000	734,700	139,000
GR	728,200	143,000	728,100	150,000	728,200	157,000	736,900	162,000	739,800	200,000
GR	745,000	250,000	750,000	300,000	0.	0.	0.	0.	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP C-8

FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSFL	TD	FG	TOPWID	STENCL	STENCR	VCH
595.00	0.	0.	0.	681.10	1160.00	687.10	322.44	687.16	246.86	0.	0.	2.41
595.00	0.	0.	0.	681.10	1160.00	688.10	323.43	688.18	205.09	435.72	675.01	2.65
4.40	1740.00	0.	0.	687.00	1160.00	692.16	75.26	693.45	30.87	0.300	0.	9.08
4.40	1740.00	0.	0.	687.00	1160.00	692.86	94.59	693.79	32.42	280.00	315.00	7.74
19.00	1460.00	0.	0.	696.30	1160.00	705.42	179.61	705.65	202.17	0.200	0.	4.82
19.00	1460.00	0.	0.	696.30	1160.00	705.86	156.83	706.27	48.93	150.86	223.79	5.77
19.75	75.00	0.	0.	696.30	1160.00	705.75	218.51	705.31	216.49	0.	0.	4.11
19.75	75.00	0.	0.	696.30	1160.00	706.35	201.34	706.41	81.30	147.41	228.71	4.71
20.25	50.00	0.	0.	697.00	1160.00	707.60	475.75	707.64	246.65	0.200	0.	2.52
20.25	50.00	0.	0.	697.00	1160.00	708.19	437.25	708.26	114.93	125.71	240.65	2.85
20.50	25.00	0.	0.	697.30	1160.00	707.57	318.47	707.68	250.71	0.205	0.	3.01
20.50	25.00	0.	0.	697.30	1160.00	708.13	272.01	708.32	43.13	163.87	227.00	3.53
25.80	530.00	0.	0.	698.80	1160.00	708.32	283.27	708.09	40.18	0.200	0.	3.27
25.80	530.00	0.	0.	698.80	1160.00	708.98	328.87	709.12	59.16	260.00	325.00	2.95
26.25	45.00	0.	0.	698.80	1160.00	708.40	288.11	708.56	57.56	0.	0.	3.23
26.25	45.00	0.	0.	698.80	1160.00	709.00	333.68	709.18	59.34	260.00	325.00	2.92
26.25	100.00	0.	0.	701.80	1160.00	714.79	1160.21	714.80	203.92	0.305	0.	0.96
26.25	100.00	0.	0.	701.80	1160.00	715.43	1065.20	715.45	134.32	261.78	396.10	0.74
33.00	575.00	0.	0.	706.10	1160.00	714.84	262.95	715.00	105.86	0.250	0.	3.60
33.00	575.00	0.	0.	706.10	1160.00	715.45	233.63	715.70	46.87	221.13	268.00	4.15
33.45	45.00	0.	0.	706.10	1160.00	714.93	270.59	715.08	107.12	0.	0.	3.53
33.45	45.00	0.	0.	706.10	1160.00	715.57	241.98	715.81	47.45	220.55	268.00	4.05
34.15	70.00	0.	0.	706.20	1160.00	722.50	905.27	722.52	103.79	0.200	0.	1.48
34.15	70.00	0.	0.	706.20	1160.00	723.15	879.35	723.17	93.41	154.07	247.49	1.57
34.30	15.00	0.	0.	707.20	1160.00	722.51	956.16	722.53	103.81	0.200	0.	1.49
34.30	15.00	0.	0.	707.20	1160.00	723.15	930.74	723.18	92.90	154.32	247.22	1.56
41.00	700.00	0.	0.	711.00	1160.00	722.67	332.39	722.78	150.28	0.300	0.	3.23
41.00	700.00	0.	0.	711.00	1160.00	723.30	321.47	723.45	42.65	272.92	335.55	3.49
41.75	75.00	0.	0.	711.00	1160.00	722.76	343.20	722.87	153.12	0.	0.	3.15
41.75	75.00	0.	0.	711.00	1160.00	723.40	332.57	723.55	64.18	271.78	335.96	3.40
42.25	50.00	0.	0.	713.30	1160.00	724.10	438.79	724.15	288.19	0.300	0.	2.31
42.25	50.00	0.	0.	713.30	1160.00	724.74	402.53	724.82	87.36	251.92	339.28	2.83
42.50	25.00	0.	0.	714.30	1160.00	724.69	308.04	724.19	216.14	0.300	0.	3.25
42.50	25.00	0.	0.	714.30	1160.00	724.71	286.58	724.87	74.94	243.46	318.40	3.66
48.00	550.00	0.	0.	717.70	1160.00	725.29	162.97	725.58	103.16	0.350	0.	5.04
48.00	550.00	0.	0.	717.70	1160.00	726.04	152.66	726.50	45.59	416.36	365.00	5.73

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TD	FG	TOPWID	STENCL	STENCR	VCH
48.15	15.00	0.	0.	717.70	1160.00	725.39	171.65	725.45	143.66	0.	0.	4.83
48.15	15.00	0.	0.	717.70	1160.00	726.18	162.33	726.58	48.37	313.69	365.00	5.45
48.25	60.00	0.	0.	718.20	1160.00	729.99	786.30	730.01	172.47	0.350	0.	1.34
48.25	60.00	0.	0.	718.20	1160.00	730.77	731.81	730.80	117.65	235.54	353.20	0.97
49.20	44.00	0.	0.	718.80	1160.00	729.09	493.84	730.03	138.92	0.355	0.	1.96
49.20	44.00	0.	0.	718.80	1160.00	730.76	474.28	730.82	87.82	283.18	371.00	2.14
59.70	1050.00	0.	0.	728.10	1160.00	733.64	54.35	735.08	20.47	0.150	0.	12.28
59.70	1050.00	0.	0.	728.10	1160.00	733.64	54.43	735.08	20.48	139.00	162.00	12.27

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL - WSEL K	TOPWID	T.W. DIFF	LENGTH
595.000	1160.000	687.100	0.	0.	0.	266.863	0.	0.
595.000	1160.000	688.100	1.000	0.	0.	205.087	61.777	0.
4.400	1160.000	692.164	0.	5.064	0.	30.872	0.	1740.000
4.400	1160.000	692.862	0.698	4.762	0.	32.417	-1.544	1740.000
19.000	1160.000	705.419	0.	13.255	0.	202.166	0.	1460.000
19.000	1160.000	705.856	0.437	12.994	0.	68.930	133.236	1460.000
19.750	1160.000	705.754	0.	0.335	0.	216.486	0.	75.000
19.750	1160.000	706.346	0.592	0.490	0.	81.300	135.186	75.000
20.250	1160.000	707.601	0.	1.847	0.	266.648	0.	50.000
20.250	1160.000	708.193	0.592	1.847	0.	114.931	151.717	50.000
20.500	1160.000	707.573	0.	-0.028	0.	250.709	0.	25.000
20.500	1160.000	708.134	0.562	-0.059	0.	63.133	187.576	25.000
25.800	1160.000	708.322	0.	0.750	0.	60.183	0.	530.000
25.800	1160.000	708.985	0.662	0.851	0.	59.158	1.025	530.000
26.250	1160.000	708.401	0.	0.078	0.	57.555	0.	45.000
26.250	1160.000	709.043	0.642	0.058	0.	59.338	-1.784	45.000
26.250	1160.000	714.790	0.	6.389	0.	203.916	0.	100.000
26.250	1160.000	715.432	0.642	6.389	0.	134.319	159.597	100.000
33.000	1160.000	714.840	0.	0.050	0.	105.864	0.	575.000
33.000	1160.000	715.453	0.613	0.021	0.	46.873	58.992	575.000
33.450	1160.000	714.932	0.	0.092	0.	107.117	0.	45.000
33.450	1160.000	715.575	0.643	0.122	0.	47.453	59.664	45.000
34.150	1160.000	722.505	0.	7.573	0.	193.787	0.	70.000
34.150	1160.000	723.148	0.643	7.573	0.	93.415	100.373	70.000
34.300	1160.000	722.506	0.	0.001	0.	193.807	0.	15.000
34.300	1160.000	723.149	0.643	0.002	0.	92.899	100.907	15.000
41.000	1160.000	722.567	0.	0.161	0.	150.281	0.	700.000
41.000	1160.000	723.300	0.633	0.151	0.	62.627	87.654	700.000
41.750	1160.000	722.762	0.	0.096	0.	153.120	0.	75.000
41.750	1160.000	723.405	0.642	0.105	0.	64.177	88.943	75.000
42.250	1160.000	724.101	0.	1.339	0.	288.185	0.	50.000

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42.250	1160.000	724.743	0.642	1.339	0.	87.363	200.822	50.000
42.500	1160.000	724.086	0.	-0.015	0.	216.143	0.	25.000
42.500	1160.000	724.715	0.629	-0.028	0.	74.942	141.201	25.000
48.000	1160.000	725.293	0.	1.207	0.	143.159	0.	550.000
48.000	1160.000	726.039	0.746	1.324	0.	45.591	97.567	550.000
48.150	1160.000	725.395	0.	0.102	0.	143.662	0.	15.000
48.150	1160.000	726.176	0.781	0.137	0.	48.373	95.289	15.000
48.250	1160.000	729.990	0.	4.596	0.	172.471	0.	60.000
48.250	1160.000	730.772	0.781	4.596	0.	117.654	54.817	60.000
49.200	1160.000	729.987	0.	-0.003	0.	138.921	0.	44.000
49.200	1160.000	730.764	0.777	-0.007	0.	87.824	51.097	44.000
59.700	1160.000	733.638	0.	3.651	0.	20.472	0.	1050.000
59.700	1160.000	733.643	0.005	2.879	0.	20.478	-0.006	1050.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.	0.	24.088	0.
2	4.000	0.006	12.945	-11.143



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

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-10 100-YR Q

J1	ICHECK	INC	NJNV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FQ
	0	4	0	0	0	0	0	0	699,700	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IPW	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	26,000			
NC	0	0	0	0	0	0	0			
QT	5,000	600,000	1050,000	1250,000	1250,000	1600,000				
ET	-0	-0	-0	-0	-0	10,400				
X1	645,100	25,000	350,000	25700,000						
GR	725,000	0	710,200	100,000	711,700	150,000	704,000	300,000	707,600	350,000
GR	702,000	400,000	701,000	450,000	700,500	500,000	700,000	550,000	700,600	581,000
GR	695,000	593,000	701,600	600,000	698,300	650,000	698,300	651,000	692,500	658,000
GR	697,000	665,000	693,300	673,000	701,800	640,000	702,300	700,000	707,400	750,000
GR	710,200	800,000	710,400	812,000	710,000	825,000	719,400	850,000	725,000	925,000
X1	7,000	21,000	486,000	510,000	1675,000	1675,000	1675,000			
GR	720,000	0	715,000	100,000	713,100	200,000	711,100	300,000	710,200	350,000
GR	709,100	400,000	707,600	450,000	707,100	486,000	699,000	698,000	699,600	500,000
GR	699,700	502,000	707,000	510,000	706,900	550,000	706,500	600,000	704,000	650,000
GR	705,800	700,000	706,500	750,000	700,600	800,000	704,600	850,000	708,300	900,000
GR	720,000	950,000								
Y1	7,300	-0	-0	-0	30,000	30,000	30,000			
Y3	10,000	-0	-0	-0	-0	-0	-0	707,400	707,400	-0
SB	0	1,500	3,000	0	5,500	0	43,000	0	-0	-0
X1	7,700	25,000	486,000	510,000	0,000	40,000	40,000			
X2	-0	-0	1,000	707,400	709,000	-0	-0			
Y3	10,000	-0	-0	-0	-0	-0	-0	709,500	709,500	-0
BT	10,000	0	714,300	-0	200,000	711,100	-0	300,000	711,100	-0
BT	400,000	709,600	-0	490,000	709,100	-0	496,300	709,000	703,700	497,400
BT	709,000	706,000	500,000	709,000	707,400	502,700	709,000	706,400	503,800	709,000
BT	703,700	510,000	708,900	-0	700,000	708,200	-0	800,000	709,500	-0
BT	1020,000	720,000	-0	-0	-0	-0	-0	-0	-0	-0
GR	720,000	0	715,000	100,000	713,100	200,000	711,100	300,000	710,200	350,000
GR	709,100	400,000	707,600	450,000	707,100	486,000	707,200	490,000	703,700	496,300
GR	701,100	497,400	700,000	500,000	701,100	502,700	703,700	503,800	707,000	510,000
GR	706,900	550,000	706,500	600,000	706,400	650,000	705,800	700,000	706,500	750,000
GR	704,600	800,000	704,600	850,000	708,300	900,000	720,000	950,000	720,000	1020,000
X1	8,000	21,000	492,000	508,000	30,000	30,000	30,000			
GR	720,000	0	715,000	100,000	710,600	300,000	709,700	350,000	708,200	400,000
GR	708,000	450,000	707,900	492,000	700,700	496,000	700,600	500,000	700,800	503,000
GR	705,600	508,000	708,600	550,000	709,200	600,000	709,400	650,000	709,400	700,000







729.5  
668.7  
606

LTH 33400

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-6 500-YR. 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EP	TOPWTD	10K*8	TIME	VOL.
0	-0	0	0	668.90	350.00	673.30	673.23	673.81	84.24	218.01	0	0
0	-0	0	0	668.90	620.00	676.10	0	676.14	179.30	10.19	0	0
0	-0	0	0	668.90	725.00	677.30	0	677.32	204.97	4.60	0	0
0	-0	0	0	668.90	940.00	679.30	0	679.31	244.73	1.94	0	0
4.00	400.00	0	0	675.40	350.00	680.09	0	680.39	109.17	127.56	.03	.84
4.00	400.00	0	0	675.40	620.00	680.29	680.29	680.91	112.23	267.64	.02	2.73
4.00	400.00	0	0	675.40	725.00	680.49	680.49	681.09	114.34	253.28	.02	3.89
4.00	400.00	0	0	675.40	940.00	680.67	680.67	681.40	117.95	313.41	.02	6.04
8.00	400.00	0	0	681.90	350.00	686.33	686.24	686.82	90.72	204.72	.05	1.70
8.00	400.00	0	0	681.90	620.00	687.28	0	687.55	122.18	111.88	.05	4.18
8.00	400.00	0	0	681.90	725.00	687.44	0	687.73	128.27	116.59	.05	5.53
8.00	400.00	0	0	681.90	940.00	687.87	0	688.15	141.83	104.68	.04	8.04
11.00	300.00	0	0	686.90	350.00	691.54	0	691.87	105.46	140.34	.07	2.33
11.00	300.00	0	0	686.90	620.00	691.84	0	692.41	112.76	243.36	.06	5.28
11.00	300.00	0	0	686.90	725.00	692.05	0	692.59	114.89	231.15	.06	6.79
11.00	300.00	0	0	686.90	940.00	692.29	0	692.90	122.35	255.07	.06	9.59
15.50	450.00	0	0	694.30	350.00	698.77	698.64	699.22	91.56	190.42	.09	3.28
15.50	450.00	0	0	694.30	620.00	699.64	0	699.92	120.48	120.98	.09	6.90
15.50	450.00	0	0	694.30	725.00	699.80	0	700.11	124.53	125.77	.09	8.64
15.50	450.00	0	0	694.30	940.00	700.18	0	700.49	140.35	119.08	.09	11.85
20.00	450.00	0	0	701.70	350.00	706.18	0	706.63	55.65	143.73	.11	4.08
20.00	450.00	0	0	701.70	620.00	706.64	706.66	707.40	81.21	236.12	.11	8.37
20.00	450.00	0	0	701.70	725.00	706.90	706.89	707.70	80.59	229.20	.11	10.31
20.00	450.00	0	0	701.70	940.00	707.43	707.43	708.17	100.98	187.93	.11	14.04
23.25	325.00	0	0	707.10	350.00	711.38	0	711.91	32.97	183.70	.13	4.56
23.25	325.00	0	0	707.10	620.00	712.51	0	712.90	94.79	125.63	.13	9.20
23.25	325.00	0	0	707.10	725.00	712.73	0	713.22	102.71	127.89	.13	11.40
23.25	325.00	0	0	707.10	940.00	713.01	0	713.61	108.98	149.28	.12	15.44
26.50	325.00	0	0	712.50	350.00	716.92	0	717.40	48.72	155.10	.15	5.03
26.50	325.00	0	0	712.50	620.00	717.53	717.46	718.20	81.80	212.31	.14	10.24
26.50	325.00	0	0	712.50	725.00	717.77	717.69	718.50	91.86	209.10	.14	12.51
26.50	325.00	0	0	712.50	940.00	718.26	0	718.97	105.62	180.99	.14	16.88
29.75	325.00	0	0	717.90	350.00	722.22	0	722.73	38.00	173.35	.16	5.51
29.75	325.00	0	0	717.90	620.00	723.26	0	723.77	90.83	135.83	.16	11.17
29.75	325.00	0	0	717.90	725.00	723.48	0	724.01	101.55	137.10	.16	13.59
29.75	325.00	0	0	717.90	940.00	723.79	0	724.40	108.42	154.10	.15	18.24
33.00	325.00	0	0	723.50	350.00	728.14	0	728.66	65.89	191.95	.18	6.03
33.00	325.00	0	0	723.50	620.00	728.75	0	729.42	73.17	226.08	.17	12.13
33.00	325.00	0	0	723.50	725.00	728.98	0	729.64	75.85	223.72	.17	14.70
33.00	325.00	0	0	723.50	940.00	729.44	0	730.14	81.49	202.75	.17	19.60

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
0	350.000	673.300	0	0	0	84.238	0	-0
0	620.000	676.100	2.800	0	0	179.298	-91.060	-0

0	725,000	677,300	1,200	0	0	203,966	-115,728	-0
0	940,000	679,300	2,000	0	0	244,732	-156,493	-0
4,000	350,000	680,088	0	6,788	0	109,170	0	400,000
4,000	620,000	680,290	.204	0,190	0	112,224	-3,052	400,000
4,000	725,000	680,490	.200	3,190	0	114,341	-5,164	400,000
4,000	940,000	680,667	.170	1,367	0	117,947	-8,772	400,000
8,000	350,000	686,330	0	6,244	0	90,714	0	400,000
8,000	620,000	687,283	.940	6,988	0	122,175	-31,459	400,000
8,000	725,000	687,441	.159	6,947	0	128,267	-37,551	400,000
8,000	940,000	687,867	.426	7,200	0	143,827	-53,111	400,000
11,000	350,000	691,542	0	5,208	0	105,455	0	300,000
11,000	620,000	691,845	.303	4,562	0	112,761	-7,304	300,000
11,000	725,000	692,052	.208	4,612	0	114,887	-9,431	300,000
11,000	940,000	692,287	.235	4,420	0	122,353	-14,898	300,000
15,500	350,000	698,773	0	7,230	0	93,558	0	450,000
15,500	620,000	699,637	.865	7,792	0	120,482	-26,925	450,000
15,500	725,000	699,799	.162	7,746	0	126,533	-32,975	450,000
15,500	940,000	700,177	.378	7,890	0	140,348	-46,790	450,000
20,000	350,000	706,179	0	7,404	0	55,640	0	450,000
20,000	620,000	706,657	.478	7,020	0	81,208	-25,558	450,000
20,000	725,000	706,900	.243	7,101	0	89,589	-33,940	450,000
20,000	940,000	707,430	.530	7,257	0	104,982	-49,333	450,000
23,250	350,000	711,380	0	5,205	0	32,960	0	325,000
23,250	620,000	712,513	1,120	5,856	0	96,780	-63,820	325,000
23,250	725,000	712,728	.215	5,828	0	102,700	-69,740	325,000
23,250	940,000	713,012	.284	5,579	0	108,977	-74,008	325,000
26,500	350,000	716,921	0	5,537	0	48,714	0	325,000
26,500	620,000	717,533	.612	5,020	0	83,799	-35,082	325,000
26,500	725,000	717,769	.234	5,041	0	91,862	-43,144	325,000
26,500	940,000	718,262	.493	5,250	0	105,625	-54,909	325,000
29,750	350,000	722,220	0	5,299	0	38,401	0	325,000
29,750	620,000	723,258	1,038	5,725	0	94,833	-58,433	325,000
29,750	725,000	723,483	.225	5,714	0	101,551	-63,150	325,000
29,750	940,000	723,787	.305	5,525	0	108,418	-70,017	325,000
33,000	350,000	728,137	0	5,917	0	65,892	0	325,000
33,000	620,000	728,748	.611	5,490	0	73,165	-7,273	325,000
33,000	725,000	728,977	.220	5,495	0	75,847	-9,955	325,000
33,000	940,000	729,450	.482	5,672	0	81,484	-15,590	325,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	0	5,644	0
2	0	0	0	8,101	2,457
3	0	0	0	8,603	2,955
4	0	0	0	9,513	3,864

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 HEC2 VERSION UPDATED JAN 1974  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE PLOTTED 5-4-76  
 BY S. P. FLETCHER

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-7 10-YR W

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	0	2.	0	0	0	0	0	0	485.500	-0
J2	NPROF	TPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.070	.070	.050	.100	.300	-0	-0	-0	-0	-0
GT	5.000	370.000	660.000	770.000	770.000	1000.000	-0	-0	-0	-0
X1	584.000	15.000	150.000	400.000	0	0	0	0	0	0
GR	705.000	85.000	700.000	100.000	491.900	150.000	487.500	200.000	487.300	250.000
GR	685.000	300.000	684.800	316.000	481.500	320.000	679.000	330.000	679.100	347.000
GR	684.000	350.000	685.900	387.000	689.500	400.000	700.000	420.000	705.000	445.000
X1	7.000	11.000	140.000	160.000	1550.000	1550.000	1550.000	-0	-1.100	-0
GR	720.100	0	715.000	50.000	706.200	100.000	702.600	140.000	698.700	145.000
GR	698.600	150.000	699.000	153.000	703.100	160.000	708.100	200.000	716.500	250.000
GR	718.700	300.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	8.300	-0	-0	-0	130.000	130.000	130.000	-0	1.100	-0
X3	10.000	-0	-0	-0	-0	-0	-0	703.100	703.100	-0
SB	0	1.500	3.000	0	4.000	0	38.000	0	-0	-0
X1	9.300	12.000	296.500	303.500	100.000	100.000	100.000	-0	-0	-0
X2	-0	-0	1.000	702.100	709.200	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	709.700	709.700	-0
BT	9.000	0	713.700	-0	100.000	711.800	-0	296.500	710.200	499.700
BT	297.500	710.200	702.100	300.000	710.200	703.100	302.500	710.200	702.100	303.500
BT	710.200	699.700	350.000	709.200	-0	350.000	718.000	-0	-0	-0
GR	720.000	0	720.000	100.000	715.000	200.000	710.200	296.500	499.700	296.500
GR	697.200	297.500	696.200	300.000	697.200	302.500	699.700	303.500	710.200	303.500
GR	708.000	350.000	718.700	450.000	-0	-0	-0	-0	-0	-0
X1	10.600	11.000	140.000	160.000	129.000	129.000	129.000	-0	2.000	-0
GR	720.100	0	715.000	50.000	706.200	100.000	702.600	140.000	698.700	145.000
GR	698.600	150.000	699.000	153.000	703.100	160.000	708.100	200.000	716.500	250.000
GR	718.700	300.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	11.200	15.000	91.000	125.000	60.000	60.000	60.000	-0	-4.000	-0
GR	722.100	0	714.300	50.000	708.000	91.000	704.300	98.000	704.000	100.000
GR	704.000	102.000	706.200	105.000	711.000	125.000	712.000	150.000	713.200	165.000
GR	717.800	200.000	719.100	250.000	722.000	300.000	725.100	350.000	725.000	380.000
X1	11.900	-0	-0	-0	60.000	60.000	60.000	-0	.600	-0
X3	10.000	-0	-0	-0	-0	-0	-0	707.000	707.000	-0
SB	0	1.500	3.000	0	5.000	0	33.000	0	-0	-0









SUMMARY PRINTOUT FOR MULTIPLE PROFILES

29+90 733.8  
 7+00 679.0  
 22+90  
 15+50  
 38+40

TRIB C-7 500-YR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEL	CRWS	EG	TOPWID	10K*5	TIME	VOL
544.00	0	0	0	679.00	370.00	685.50	0	685.55	90.08	11.56	0	0
544.00	0	0	0	679.00	660.00	687.80	0	687.83	197.27	5.22	0	0
544.00	0	0	0	679.00	770.00	689.00	0	689.02	215.24	2.17	0	0
544.00	0	0	0	679.00	1000.00	691.80	0	691.81	253.24	.57	0	0
7.00	1550.00	0	0	697.50	370.00	700.95	700.95	702.16	17.49	320.10	.05	4.53
7.00	1550.00	0	0	697.50	660.00	702.25	702.25	703.73	30.37	254.30	.04	10.47
7.00	1550.00	0	0	697.50	770.00	702.71	702.71	704.18	30.16	216.63	.04	15.16
7.00	1550.00	0	0	697.50	1000.00	703.47	703.47	704.93	51.68	178.07	.05	27.47
8.30	130.00	0	0	698.60	370.00	703.40	0	703.91	31.07	69.00	.06	4.70
8.30	130.00	0	0	698.60	660.00	704.76	0	705.32	57.30	65.41	.05	10.77
8.30	130.00	0	0	698.60	770.00	705.09	0	705.70	61.62	66.60	.05	15.51
8.30	130.00	0	0	698.60	1000.00	705.69	0	706.37	70.98	68.41	.05	27.90
9.30	100.00	709.20	702.10	696.20	370.00	700.90	0	705.70	7.00	149.00	.06	4.85
9.30	100.00	709.20	702.10	696.20	660.00	709.81	0	710.30	62.05	111.38	.06	11.08
9.30	100.00	709.20	702.10	696.20	770.00	710.20	0	710.70	75.39	112.40	.06	15.88
9.30	100.00	709.20	702.10	696.20	1000.00	710.67	0	711.23	88.13	129.65	.06	28.39
10.60	129.00	0	0	700.60	370.00	706.27	0	706.52	47.98	32.08	.07	5.00
10.60	129.00	0	0	700.60	660.00	710.47	0	710.53	115.14	3.91	.08	11.97
10.60	129.00	0	0	700.60	770.00	710.88	0	710.90	110.85	4.10	.08	16.88
10.60	129.00	0	0	700.60	1000.00	711.30	0	711.44	125.73	5.10	.07	29.50
11.20	60.00	0	0	700.00	370.00	706.55	0	706.60	48.74	21.90	.07	5.26
11.20	60.00	0	0	700.00	660.00	710.51	0	710.55	124.72	3.15	.09	12.33
11.20	60.00	0	0	700.00	770.00	710.91	0	710.94	132.55	3.31	.09	17.61
11.20	60.00	0	0	700.00	1000.00	711.43	0	711.49	139.65	4.11	.08	30.36
11.80	60.00	0	0	700.60	370.00	706.64	0	706.60	30.09	39.24	.08	5.42
11.80	60.00	0	0	700.60	660.00	710.52	0	710.58	118.37	4.61	.10	13.26
11.80	60.00	0	0	700.60	770.00	710.92	0	710.90	120.18	4.82	.09	18.31
11.80	60.00	0	0	700.60	1000.00	711.44	0	711.52	131.44	5.81	.09	31.16
12.80	100.00	717.90	707.00	701.80	370.00	708.43	0	709.50	7.00	165.37	.08	5.58
12.80	100.00	717.90	707.00	701.80	660.00	718.08	0	718.40	204.45	.31	.15	15.25
12.80	100.00	717.90	707.00	701.80	770.00	718.90	0	718.90	222.92	.36	.14	20.46
12.80	100.00	717.90	707.00	701.80	1000.00	719.39	0	719.30	237.56	.51	.13	33.51
13.20	40.00	0	0	704.00	370.00	709.75	0	710.00	40.18	45.92	.08	5.60
13.20	40.00	0	0	704.00	660.00	718.48	0	718.40	178.06	.40	.16	16.35
13.20	40.00	0	0	704.00	770.00	718.90	0	718.90	181.28	.45	.16	21.60
13.20	40.00	0	0	704.00	1000.00	719.38	0	719.40	185.00	.63	.14	34.70
19.60	640.00	0	0	709.60	370.00	714.30	714.28	715.20	43.31	147.14	.11	6.81
19.60	640.00	0	0	709.60	660.00	718.51	0	718.57	109.31	6.93	.26	27.37
19.60	640.00	0	0	709.60	770.00	718.93	0	719.00	110.50	7.03	.25	33.65
19.60	640.00	0	0	709.60	1000.00	719.40	0	719.52	127.40	8.51	.22	47.88

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRIMS	EE	TOPWD	TKRS	TIME	VOL
25.70	610.00	0	0	718.90	370.00	722.40	0	722.84	24.75	96.07	.14	7.77
25.70	610.00	0	0	718.90	660.00	722.40	722.44	723.85	24.85	294.21	.28	30.77
25.70	610.00	0	0	718.90	770.00	722.77	722.77	724.30	25.82	285.57	.27	37.34
25.70	610.00	0	0	718.90	1000.00	723.40	723.40	725.14	27.64	279.36	.24	52.11
25.80	10.00	0	0	718.90	370.00	722.50	0	722.95	25.13	84.01	.14	7.72
25.80	10.00	0	0	718.90	660.00	723.20	0	724.10	27.31	133.65	.28	30.79
25.80	10.00	0	0	718.90	770.00	723.64	0	724.55	28.38	134.95	.27	37.34
25.80	10.00	0	0	718.90	1000.00	724.36	0	725.40	30.37	137.00	.24	52.13
26.60	80.00	732.80	724.40	719.30	370.00	723.47	723.47	725.52	11.00	678.41	.14	7.82
26.60	80.00	732.80	724.40	719.30	660.00	729.28	0	729.98	11.00	73.12	.28	30.97
26.60	80.00	732.80	724.40	719.30	770.00	732.21	0	732.70	11.00	45.68	.27	37.57
26.60	80.00	732.80	724.40	719.30	1000.00	733.84	0	733.85	314.14	.68	.27	53.75
26.80	20.00	0	0	721.00	370.00	725.62	0	726.04	23.83	81.25	.14	7.84
26.80	20.00	0	0	721.00	660.00	729.96	0	730.04	84.29	7.54	.28	31.06
26.80	20.00	0	0	721.00	770.00	732.77	0	732.80	158.60	2.05	.27	37.75
26.80	20.00	0	0	721.00	1000.00	733.82	0	733.84	172.41	2.01	.28	54.32
29.90	310.00	0	0	726.20	370.00	730.54	730.54	731.00	65.20	176.99	.16	8.35
29.90	310.00	0	0	726.20	660.00	730.99	730.99	731.71	71.34	213.90	.30	32.57
29.90	310.00	0	0	726.20	770.00	732.83	0	732.98	87.65	19.96	.30	40.89
29.90	310.00	0	0	726.20	1000.00	733.88	0	734.01	94.94	12.63	.31	58.41

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSEFK	TOPWD	T.W. DIFF	LENGTH
584,000	370,000	685,500	0	0	0	90,080	0	0
584,000	660,000	687,800	2,300	0	0	197,270	-107,190	0
584,000	770,000	689,000	1,200	0	0	215,240	-125,160	0
584,000	1000,000	691,800	2,800	0	0	253,245	-163,164	0
7,000	370,000	700,947	0	15,447	0	17,493	0	1550,000
7,000	660,000	702,252	1,305	14,452	0	30,368	-12,875	1550,000
7,000	770,000	702,712	.460	13,712	0	39,150	-21,666	1550,000
7,000	1000,000	703,471	.760	11,671	0	53,676	-34,183	1550,000
8,300	370,000	703,493	0	2,543	0	33,065	0	130,000
8,300	660,000	704,761	1,268	2,509	0	57,298	-24,232	130,000
8,300	770,000	705,095	.334	2,383	0	63,622	-30,556	130,000
8,300	1000,000	705,686	.592	2,215	0	74,981	-41,916	130,000
9,300	370,000	704,987	0	1,498	0	7,000	0	100,000
9,300	660,000	709,805	4,818	5,045	0	62,047	-55,047	100,000
9,300	770,000	710,242	.437	5,148	0	75,395	-68,395	100,000
9,300	1000,000	710,673	.430	4,986	0	88,127	-81,127	100,000
10,600	370,000	704,274	0	1,287	0	47,965	0	129,000
10,600	660,000	710,475	6,201	.670	0	115,144	-67,159	129,000
10,600	770,000	710,879	.404	.637	0	119,845	-71,860	129,000
10,600	1000,000	711,385	.506	.713	0	125,732	-77,747	129,000
11,200	370,000	706,551	0	.277	0	48,730	0	60,000
11,200	660,000	710,507	3,956	.032	0	126,721	-77,986	60,000
11,200	770,000	710,913	.406	.033	0	132,558	-83,819	60,000
11,200	1000,000	711,428	.515	.042	0	139,955	-91,219	60,000
11,800	370,000	706,662	0	.112	0	30,093	0	60,000
11,800	660,000	710,519	3,856	.012	0	118,370	-88,277	60,000
11,800	770,000	710,925	.406	.012	0			

DATA FOR LAST CROSS SECTION

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

Profile	Type	Fnc	Target	Top Width	Area-Acres	Top Width	Area-Acres
11.800	1000.000	713.823	0.015	131.842	-101.924	60.000	
12.800	370.000	708.424	0	7.000	0	100.000	
12.800	660.000	718.483	10.057	7.964	-199.450	100.000	
12.800	770.000	718.896	0.413	7.972	-215.918	100.000	
12.800	1000.000	719.385	0.489	7.942	-230.557	100.000	
13.200	370.000	709.750	0	40.178	0	40.000	
13.200	660.000	718.482	8.732	178.063	-137.885	40.000	
13.200	770.000	718.896	0.413	181.277	-141.099	40.000	
13.200	1000.000	719.384	0.489	185.002	-144.824	40.000	
19.600	370.000	714.390	0	43.308	0	640.000	
19.600	660.000	718.512	4.122	109.305	-65.998	640.000	
19.600	770.000	718.931	0.419	114.501	-71.193	640.000	
19.600	1000.000	719.434	0.505	127.404	-84.096	640.000	
25.700	370.000	722.404	0	24.747	0	610.000	
25.700	660.000	722.437	0.033	24.853	-1.06	610.000	
25.700	770.000	722.771	0.334	25.815	-1.068	610.000	
25.700	1000.000	723.204	0.632	27.637	-2.891	610.000	
25.800	370.000	722.539	0	25.124	0	10.000	
25.800	660.000	723.292	0.753	27.312	-2.184	10.000	
25.800	770.000	723.662	0.370	28.374	-3.250	10.000	
25.800	1000.000	724.357	0.695	30.371	-5.245	10.000	
26.600	370.000	723.470	0	11.000	0	80.000	
26.600	660.000	729.280	5.809	11.000	0	80.000	
26.600	770.000	732.211	2.931	11.000	0	80.000	
26.600	1000.000	733.840	1.629	314.178	-103.178	80.000	
26.800	370.000	725.617	0	23.830	0	20.000	
26.800	660.000	729.965	4.348	86.292	-62.461	20.000	
26.800	770.000	732.767	2.803	158.604	-134.774	20.000	
26.800	1000.000	733.821	1.053	172.414	-148.583	20.000	
29.900	370.000	730.542	0	65.198	0	110.000	
29.900	660.000	730.992	0.409	71.330	-4.141	110.000	
29.900	770.000	732.834	1.843	87.647	-22.450	110.000	
29.900	1000.000	733.881	1.048	94.943	-29.745	110.000	

1	0	0	0	3.755	0
2	0	0	0	9.140	5.384
3	0	0	0	10.176	6.420
4	0	0	0	11.911	8.154

# PROFILE PLOTTED 5-3-76

by FLETCHER

Plot

\*\*\*\*\*  
 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 TRTB C-8 10-YR Q

J1 ICHECK INQ NINV TOTR STPT METRIC MVINS 0 WSEL EQ  
 0 2 0 0 0 0 0 0 487.100 -0

J2 NPROF YPLOT PRFVS YSECV XSECH FN ALLDC IRW CHNTH TTRACE  
 1.000 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0

NC .080 .080 .060 .100 .300 -0 -0 -0 -0 -0  
 QT 5.000 560.000 980.000 1160.000 1160.000 1490.000 -0 -0 -0 -0

X1 595.000 29.000 598.000 645.000 0 0 0 -0 -0 -0  
 GR 705.000 45.000 700.000 100.000 695.000 150.000 692.700 200.000 692.000 250.000  
 GR 693.400 273.000 686.500 287.000 686.300 298.000 686.400 310.000 690.800 317.000  
 GR 689.000 350.000 682.700 400.000 682.500 450.000 688.200 500.000 685.500 550.000  
 GR 687.300 598.000 685.600 600.000 681.200 605.000 681.100 617.000 681.700 635.000  
 GR 689.200 645.000 688.600 650.000 687.600 700.000 687.800 750.000 687.800 800.000  
 GR 689.300 833.000 691.500 850.000 700.000 855.000 705.000 915.000 -0 -0

X1 4.400 20.000 280.000 315.000 1740.000 1740.000 1740.000 -0 -0 -0  
 GR 706.600 0 705.400 50.000 702.400 100.000 701.600 150.000 696.900 200.000  
 GR 694.600 250.000 694.300 280.000 687.100 290.000 687.000 300.000 687.400 310.000  
 GR 693.600 315.000 694.700 350.000 694.900 400.000 696.400 450.000 697.600 500.000  
 GR 698.400 550.000 699.300 600.000 700.200 650.000 701.200 700.000 705.000 800.000  
 NC .070 .070 .060 .100 .300 -0 -0 -0 -0 -0

X1 19.000 15.000 188.000 209.000 1460.000 1460.000 1460.000 -0 -0 -0  
 GR 718.200 0 710.900 50.000 703.600 100.000 704.000 150.000 704.400 188.000  
 GR 696.300 197.000 696.900 200.000 697.400 204.000 701.600 200.000 704.300 250.000  
 GR 705.700 300.000 707.100 337.000 710.000 360.000 715.000 430.000 720.000 490.000

X1 19.750 -0 -0 -0 75.000 75.000 75.000 -0 -0 -0  
 X3 10.000 -0 -0 -0 -0 -0 -0 700.200 700.200 -0  
 SB 0 1.500 3.000 0 8.000 0 70.000 0 -0 -0

X1 20.250 19.000 194.300 205.600 50.000 50.000 50.000 -0 -0 -0  
 X2 -0 -0 1.000 703.200 706.400 -0 -0 -0 -0 -0  
 X3 10.000 -0 -0 -0 -0 -0 -0 706.900 706.900 -0  
 BT 22.000 0 717.900 -0 50.000 713.700 -0 100.000 710.200 -0  
 RT 150.000 707.800 -0 190.000 706.700 -0 194.300 706.400 699.600 194.400  
 RT 706.400 701.000 195.200 706.400 702.200 195.200 706.400 702.200 197.900 706.400  
 RT 704.000 200.000 706.400 704.200 702.200 706.400 704.000 203.800 706.400 703.200  
 BT 203.800 706.400 702.200 205.600 706.400 701.000 205.600 706.400 699.600 220.000  
 BT 706.300 -0 250.000 706.000 -0 300.000 706.900 -0 350.000 708.700  
 BT -0 400.000 711.300 -0 450.000 714.500 -0 -0 -0 -0  
 GR 718.200 0 710.900 50.000 703.600 100.000 704.000 150.000 704.400 190.000  
 GR 699.600 194.300 698.200 195.200 697.200 197.900 697.000 200.000 697.200 202.200  
 GR 698.200 203.800 699.600 205.600 701.600 220.000 706.300 250.000 705.700 300.000  
 GR 707.100 337.000 710.000 350.000 712.000 400.000 720.000 450.000 -0 -0

X1	20,500	18,000	182,000	227,000	25,000	25,000	25,000	-0	-0	-0
GR	714,500	0	707,700	50,000	706,200	62,000	705,600	100,000	705,300	120,000
GR	707,500	132,000	706,600	140,000	707,100	154,000	706,800	168,000	704,900	182,000
GR	697,300	197,000	697,600	200,000	698,000	203,000	704,300	227,000	705,900	250,000
GR	707,500	300,000	709,600	350,000	711,600	400,000	-0	-0	-0	-0
X1	25,800	14,000	260,000	325,000	530,000	530,000	530,000	-0	-0	-0
GR	720,000	0	715,000	100,000	711,100	200,000	711,000	235,000	711,800	250,000
GR	711,100	260,000	700,200	290,000	698,800	300,000	700,200	315,000	707,700	325,000
GR	713,200	350,000	718,000	376,000	718,300	400,000	719,600	450,000	-0	-0
X1	26,250	-0	-0	-0	45,000	45,000	45,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	709,900	709,900	-0
SB	0	1,500	3,000	0	6,280	0	50,000	0	-0	-0
X1	<del>26,250</del>	22,000	388,000	396,100	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	709,900	713,900	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	714,400	714,400	-0
BT	14,000	0	720,000	-0	100,000	715,000	-0	200,000	710,100	-0
BT	300,000	711,700	-0	370,000	712,800	-0	388,000	713,900	705,900	389,100
BT	713,900	708,700	392,000	713,900	709,900	394,900	713,900	708,700	396,100	713,900
BT	705,900	423,000	714,800	-0	535,000	719,200	-0	535,000	719,200	-0
BT	600,000	722,200	-0	-0	-0	-0	-0	-0	-0	-0
GR	720,000	0	715,000	100,000	710,700	200,000	711,400	250,000	709,200	280,000
GR	704,000	290,000	703,700	300,000	703,600	309,000	709,500	319,000	705,600	350,000
GR	706,400	370,000	705,900	388,000	703,100	389,100	701,800	392,000	703,100	394,900
GR	705,900	396,100	718,700	400,000	719,600	414,000	719,800	423,000	721,300	450,000
GR	726,000	535,000	728,400	600,000	-0	-0	-0	-0	-0	-0
X1	33,000	18,000	235,000	268,000	575,000	575,000	575,000	-0	-0	-0
GR	735,000	0	735,000	60,000	729,700	100,000	727,800	115,000	717,600	150,000
GR	711,200	200,000	710,800	235,000	706,400	245,000	706,100	250,000	706,100	255,000
GR	713,500	268,000	718,100	300,000	722,100	310,000	721,600	335,000	721,900	350,000
GR	725,000	400,000	730,000	450,000	734,000	500,000	-0	-0	-0	-0
X1	33,450	-0	-0	-0	45,000	45,000	45,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	713,600	713,600	-0
SB	0	1,500	3,000	0	6,000	0	40,000	0	-0	-0
SB	0	1,500	3,000	0	6,000	0	40,000	0	-0	-0
X1	34,150	19,000	196,000	203,700	70,000	70,000	70,000	-0	-0	-0
X2	-0	-0	1,000	713,600	721,900	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	722,400	722,400	-0
BT	15,000	0	740,000	-0	30,000	735,000	-0	70,000	730,000	-0
BT	150,000	724,300	-0	190,000	722,400	-0	196,000	721,900	709,900	197,300
BT	721,900	712,500	200,000	721,900	713,600	202,700	721,900	712,500	203,700	721,900
BT	709,900	210,000	721,600	-0	250,000	720,800	-0	350,000	722,500	-0
BT	400,000	724,000	0	500,000	726,500	0	-0	-0	-0	-0
GR	740,000	0	735,000	30,000	730,000	70,000	727,900	100,000	722,200	101,000
GR	718,200	150,000	710,900	190,000	708,100	193,000	709,900	196,000	707,200	197,300
GR	706,200	200,000	707,200	202,700	709,900	203,700	713,000	210,000	716,600	250,000
GR	723,200	300,000	725,000	350,000	726,400	400,000	728,200	500,000	-0	-0
X1	34,300	16,000	191,000	209,000	15,000	15,000	15,000	-0	-0	-0
GR	740,000	0	735,000	30,000	730,000	70,000	727,900	100,000	722,200	101,000
GR	718,200	150,000	710,900	191,000	708,100	193,000	707,200	200,000	707,200	207,000
GR	713,000	209,000	716,600	250,000	723,200	300,000	725,000	320,000	726,400	400,000
GR	728,200	500,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	41,000	17,000	290,000	314,000	700,000	700,000	700,000	-0	-0	-0
GR	730,000	0	723,600	100,000	723,600	200,000	721,600	250,000	717,500	290,000
GR	711,000	294,000	711,000	300,000	712,200	306,000	719,900	314,000	719,100	350,000
GR	721,900	370,000	725,300	386,000	725,200	400,000	725,600	427,000	726,200	439,000
GR	730,000	460,000	735,000	500,000	-0	-0	-0	-0	-0	-0









SUMMARY PRINTOUT FOR MULTIPLE PROFILES

39+70  
4+40  
55+30  
+ 17+40  
72+70  
122.5  
681.1  
54.4

TRIB C-8 500-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
505.00		0	0	681.10	560.00	687.10	0	687.11	266.86	3.02	0	0
505.00		0	0	681.10	980.00	689.10	0	689.11	512.04	1.68	0	0
505.00		0	0	681.10	1160.00	690.00	0	690.01	542.57	1.16	0	0
505.00		0	0	681.10	1490.00	692.40	0	692.40	610.64	.44	0	0
4.40	1740.00		0	687.00	560.00	689.89	689.89	691.11	25.98	433.36	.05	14.91
4.40	1740.00		0	687.00	980.00	691.00	691.04	692.71	28.41	404.10	.05	31.88
4.40	1740.00		0	687.00	1160.00	691.47	691.47	693.30	29.35	397.48	.04	41.63
4.40	1740.00		0	687.00	1490.00	692.18	692.18	694.28	30.90	388.50	.04	49.34
19.00	1460.00		0	696.30	560.00	704.28	0	704.40	142.71	38.27	.17	19.22
19.00	1460.00		0	696.30	980.00	705.24	0	705.40	190.78	36.43	.17	39.51
19.00	1460.00		0	696.30	1160.00	705.56	0	705.75	208.23	35.49	.17	50.54
19.00	1460.00		0	696.30	1490.00	706.04	0	706.25	228.31	33.83	.17	80.48
19.75	75.00		0	696.30	560.00	704.59	0	704.73	167.10	26.37	.18	19.60
19.75	75.00		0	696.30	980.00	705.50	0	705.68	207.39	25.90	.18	40.19
19.75	75.00		0	696.30	1160.00	705.80	0	705.98	219.00	25.94	.17	51.32
19.75	75.00		0	696.30	1490.00	706.33	0	706.47	235.21	25.75	.17	81.42
20.25	50.00	706.40	703.20	697.00	560.00	705.43	0	706.08	11.30	87.41	.18	19.79
20.25	50.00	706.40	703.20	697.00	980.00	707.34	0	707.38	263.71	5.25	.19	40.88
20.25	50.00	706.40	703.20	697.00	1160.00	707.62	0	707.64	268.84	5.86	.18	52.09
20.25	50.00	706.40	703.20	697.00	1490.00	708.00	0	708.00	271.61	6.96	.18	82.32
20.50	25.00		0	697.30	560.00	706.11	0	706.10	130.44	10.51	.10	19.90
20.50	25.00		0	697.30	980.00	707.32	0	707.41	238.55	11.90	.19	41.20
20.50	25.00		0	697.30	1160.00	707.59	0	707.70	251.26	13.04	.19	52.50
20.50	25.00		0	697.30	1490.00	708.01	0	708.14	264.37	14.86	.18	82.79
25.80	530.00		0	698.80	560.00	706.60	0	706.71	51.32	9.09	.25	23.10
25.80	530.00		0	698.80	980.00	707.98	0	708.11	57.67	14.15	.24	46.29
25.80	530.00		0	698.80	1160.00	708.33	0	708.50	60.25	16.70	.23	58.08
25.80	530.00		0	698.80	1490.00	708.87	0	709.10	61.21	21.42	.22	89.23
26.25	45.00		0	698.80	560.00	706.68	0	706.75	51.50	8.87	.26	23.48
26.25	45.00		0	698.80	980.00	708.04	0	708.17	54.57	13.75	.24	46.60
26.25	45.00		0	698.80	1160.00	708.41	0	708.57	57.58	16.15	.24	58.45
26.25	45.00		0	698.80	1490.00	708.98	0	709.20	59.12	20.63	.23	89.60
27+25	100.00	713.90	709.90	701.80	560.00	708.68	708.68	711.17	8.10	694.06	.26	23.82
26.25	100.00	713.90	709.90	701.80	980.00	710.72	710.72	714.57	8.10	721.21	.24	47.10
26.25	100.00	713.90	709.90	701.80	1160.00	714.81	0	714.82	294.37	.90	.27	60.65
26.25	100.00	713.90	709.90	701.80	1490.00	715.13	0	715.15	301.58	1.30	.26	91.99
33.00	575.00		0	706.10	560.00	713.53	0	713.61	84.48	12.18	.33	25.98
33.00	575.00		0	706.10	980.00	716.10	0	716.14	120.36	6.30	.33	51.16
33.00	575.00		0	706.10	1160.00	714.86	0	715.01	104.14	19.21	.33	73.65
33.00	575.00		0	706.10	1490.00	715.20	0	715.42	111.19	25.28	.30	105.86

1740'

20840

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	ER	TOPWTD	10KRS	TIME	VOL
33.45	45.00	0	0	706.10	560.00	713.55	0	713.71	33.00	22.59	.34	26.10
33.45	45.00	0	0	706.10	980.00	716.13	0	716.19	120.90	6.21	.33	51.73
33.45	45.00	0	0	706.10	1160.00	714.95	0	715.10	107.38	18.1A	.33	74.07
33.45	45.00	0	0	706.10	1490.00	715.32	0	715.53	112.92	23.45	.30	106.33
34.15	70.00	721.90	713.60	706.20	560.00	716.32	0	717.32	7.70	170.20	.34	26.3A
34.15	70.00	721.90	713.60	706.20	980.00	720.83	0	722.19	7.70	1A2.89	.34	52.26
34.15	70.00	721.90	713.60	706.20	1160.00	722.51	0	722.52	193.80	1.50	.35	75.33
34.15	70.00	721.90	713.60	706.20	1490.00	722.82	0	722.84	194.22	2.34	.32	107.67
34.30	15.00	0	0	707.20	560.00	717.39	0	717.43	101.48	4.84	.34	26.46
34.30	15.00	0	0	707.20	980.00	722.32	0	722.33	192.36	1.10	.34	52.47
34.30	15.00	0	0	707.20	1160.00	722.51	0	722.53	193.82	1.47	.35	75.72
34.30	15.00	0	0	707.20	1490.00	722.82	0	722.85	194.30	2.12	.32	108.0A
41.00	700.00	0	0	711.00	560.00	717.90	0	718.37	24.81	63.01	.38	30.57
41.00	700.00	0	0	711.00	980.00	722.40	0	722.54	143.79	10.0A	.42	65.34
41.00	700.00	0	0	711.00	1160.00	722.67	0	722.7A	150.32	12.17	.43	89.14
41.00	700.00	0	0	711.00	1490.00	723.05	0	723.20	161.75	15.5A	.39	122.49
41.75	75.00	0	0	711.00	560.00	718.4A	0	718.70	22.52	50.04	.38	30.77
41.75	75.00	0	0	711.00	980.00	722.52	0	722.61	145.98	9.59	.43	66.19
41.75	75.00	0	0	711.00	1160.00	722.7A	0	722.87	153.16	11.41	.44	90.05
41.75	75.00	0	0	711.00	1490.00	723.1A	0	723.31	165.42	14.37	.40	123.51
42.25	50.00	722.70	720.80	713.30	560.00	718.43	0	719.65	19.00	530.1A	.39	30.8A
42.25	50.00	722.70	720.80	713.30	980.00	723.84	0	723.90	283.21	6.05	.44	66.87
42.25	50.00	722.70	720.80	713.30	1160.00	724.10	0	724.15	28A.19	6.99	.44	90.80
42.25	50.00	722.70	720.80	713.30	1490.00	724.4A	0	724.52	295.54	8.70	.40	124.35
42.50	25.00	0	0	714.30	560.00	719.6A	0	720.24	21.02	119.0A	.39	30.93
42.50	25.00	0	0	714.30	980.00	723.84	0	723.93	20A.54	12.57	.45	67.22
42.50	25.00	0	0	714.30	1160.00	724.09	0	724.10	214.15	14.1A	.45	91.1A
42.50	25.00	0	0	714.30	1490.00	724.45	0	724.57	220.84	17.1A	.41	124.79
48.00	550.00	0	0	717.70	560.00	724.00	0	724.27	112.84	48.43	.43	32.55
48.00	550.00	0	0	717.70	980.00	724.95	0	725.23	13A.09	51.97	.48	72.30
48.00	550.00	0	0	717.70	1160.00	725.29	0	725.5A	143.16	50.6A	.48	96.90
48.00	550.00	0	0	717.70	1490.00	725.83	0	726.12	145.80	49.55	.44	131.50
48.15	15.00	0	0	717.70	560.00	724.02	0	724.37	25.36	60.00	.43	32.6A
48.15	15.00	0	0	717.70	980.00	725.05	0	725.31	140.96	46.41	.48	72.41
48.15	15.00	0	0	717.70	1160.00	725.39	0	725.65	143.46	45.67	.49	97.02
48.15	15.00	0	0	717.70	1490.00	725.93	0	726.19	144.27	45.41	.44	131.64
48.25	60.00	721.90	713.60	718.20	560.00	728.69	0	728.70	160.32	1.01	.45	33.27
48.25	60.00	721.90	713.60	718.20	980.00	729.71	0	729.73	165.32	1.70	.50	73.31
48.25	60.00	721.90	713.60	718.20	1160.00	729.99	0	730.01	172.07	2.1A	.50	97.99
48.25	60.00	721.90	713.60	718.20	1490.00	730.41	0	730.40	180.56	2.95	.46	132.72

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRIMS	EC	TOPWTD	10K+S	TIME	VOL
49,20	44,00		0	718.80	560,00	728.60	0	728.71	118.97	2.80	.46	33.97
49,20	44,00		0	718.80	980,00	729.71	0	729.70	133.90	4.60	.51	74.14
49,20	44,00		0	718.80	1160,00	729.99	0	730.03	138.92	5.52	.51	98.80
49,20	44,00		0	718.80	1490,00	730.41	0	730.47	144.43	7.28	.46	133.68
59,70	1050,00		0	728.10	560,00	731.65	731.65	733.20	18.10	448.20	.49	41.22
59,70	1050,00		0	728.10	980,00	733.10	733.10	735.23	10.83	457.97	.53	93.28
59,70	1050,00		0	728.10	1160,00	733.64	733.64	735.98	20.47	455.57	.53	108.60
59,70	1050,00		0	728.10	1490,00	735.53	735.53	736.93	70.90	217.25	.50	145.18

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL - WSEL	TOPWID	T.W. DIFF	LENGTH
595,000	560,000	687.100	0	0	0	266,860	0	0
595,000	980,000	689.100	2,000	0	0	512,037	-245,174	0
595,000	1160,000	690,000	.900	0	0	542,571	-275,708	0
595,000	1490,000	692,400	2,400	0	0	610,643	-343,780	0
4,400	560,000	689,887	0	2,787	0	25,877	0	1740,000
4,400	980,000	691,043	1,156	1,943	0	28,410	-2,537	1740,000
4,400	1160,000	691,467	.425	1,467	0	29,344	-3,460	1740,000
4,400	1490,000	692,175	.708	<u>- .225</u>	0	30,900	-5,023	1740,000
19,000	560,000	704,377	0	10,390	0	142,708	0	1460,000
19,000	980,000	705,143	.966	14,200	0	194,780	-52,073	1460,000
19,000	1160,000	705,555	.312	14,088	0	208,224	-65,519	1460,000
19,000	1490,000	706,058	.502	13,853	0	226,311	-83,603	1460,000
19,750	560,000	704,588	0	.311	0	167,097	0	75,000
19,750	980,000	705,535	.947	.292	0	207,390	-40,293	75,000
19,750	1160,000	705,838	.303	.283	0	218,990	-51,902	75,000
19,750	1490,000	706,325	.487	.267	0	235,204	-68,109	75,000
20,250	560,000	705,432	0	.844	0	11,300	0	50,000
20,250	980,000	707,341	1,909	1,806	0	263,709	-252,409	50,000
20,250	1160,000	707,618	.276	1,770	0	266,830	-255,530	50,000
20,250	1490,000	708,038	.421	1,713	0	271,607	-260,307	50,000
20,500	560,000	706,110	0	.682	0	130,430	0	25,000
20,500	980,000	707,316	1,202	<u>-.025</u>	0	238,546	-108,107	25,000
20,500	1160,000	707,590	.274	<u>-.028</u>	0	251,200	-120,821	25,000
20,500	1490,000	708,008	.418	<u>-.030</u>	0	264,371	-133,932	25,000
25,800	560,000	706,641	0	.527	0	51,318	0	530,000
25,800	980,000	707,970	1,337	.663	0	57,675	-6,357	530,000
25,800	1160,000	708,331	.352	.741	0	60,245	-8,927	530,000
25,800	1490,000	708,875	.544	.864	0	64,213	-12,895	530,000
26,250	560,000	706,683	0	.042	0	51,098	0	45,000
26,250	980,000	708,044	1,361	.064	0	56,570	-5,072	45,000
26,250	1160,000	708,409	.365	.078	0	57,578	-6,079	45,000
26,250	1490,000	708,975	.566	.100	0	59,125	-7,627	45,000
26,250	560,000	708,482	0	1,790	0	8,100	0	100,000
26,250	980,000	710,718	2,236	2,674	0	8,100	0	100,000
26,250	1160,000	714,800	4,091	4,400	0	294,372	-284,272	100,000
26,250	1490,000	715,133	.324	6,158	0	301,570	-293,470	100,000
33,000	560,000	713,534	0	5,052	0	86,478	0	575,000
33,000	980,000	714,101	2,567	5,384	0	124,362	-37,884	575,000
33,000	1160,000	714,858	<u>2,243</u>	.049	0	106,142	-19,664	575,000

*adjust Max 2 1/2*

*lower 50%*

1486

PLOT

33,000	1490,000	715,202	.344	.069	0	111,193	-24,715	575,000
33,450	560,000	713,545	0	.011	0	33,000	0	45,000
33,450	980,000	716,131	0	.029	0	124,899	-91,899	45,000
33,450	1160,000	718,950	-1.181	.091	0	107,377	-74,377	45,000
33,450	1490,000	715,325	.375	.123	0	112,920	-79,920	45,000
34,150	560,000	716,319	0	2.770	0	7,700	0	70,000
34,150	980,000	720,829	4.510	4.498	0	7,700	0	70,000
34,150	1160,000	722,506	1.677	7.557	0	193,790	-184,090	70,000
34,150	1490,000	722,819	.313	7.090	0	196,223	-188,523	70,000
34,300	560,000	717,390	0	1.071	0	101,476	0	15,000
34,300	980,000	722,320	4.930	1.491	0	192,360	-90,880	15,000
34,300	1160,000	722,507	.189	.001	0	193,810	-92,342	15,000
34,300	1490,000	722,821	.313	.001	0	196,300	-94,828	15,000
41,000	560,000	717,987	0	.597	0	26,810	0	700,000
41,000	980,000	722,444	4.457	.124	0	143,792	-114,978	700,000
41,000	1160,000	722,668	.225	.161	0	150,320	-123,510	700,000
41,000	1490,000	723,053	.385	.232	0	161,750	-134,940	700,000
41,750	560,000	718,476	0	.488	0	22,521	0	75,000
41,750	980,000	722,522	4.047	.078	0	145,980	-123,459	75,000
41,750	1160,000	722,764	.242	.095	0	153,160	-130,630	75,000
41,750	1490,000	723,177	.413	.120	0	165,425	-142,900	75,000
42,250	560,000	718,431	0	.045	0	19,000	0	50,000
42,250	980,000	723,856	5.425	1.538	0	283,210	-264,210	50,000
42,250	1160,000	724,101	.245	1.337	0	288,191	-260,191	50,000
42,250	1490,000	724,463	.362	1.286	0	295,542	-276,542	50,000
42,500	560,000	719,680	0	1.249	0	21,017	0	25,000
42,500	980,000	723,842	4.162	.010	0	208,545	-167,528	25,000
42,500	1160,000	724,087	.244	.015	0	216,150	-195,133	25,000
42,500	1490,000	724,448	.360	.017	0	224,435	-203,418	25,000
48,000	560,000	724,003	0	4.323	0	112,834	0	550,000
48,000	980,000	724,946	.043	1.103	0	138,088	-25,251	550,000
48,000	1160,000	725,293	.347	1.207	0	143,150	-30,322	550,000
48,000	1490,000	725,830	.537	1.340	0	145,803	-32,967	550,000
48,150	560,000	724,021	0	.018	0	25,350	0	15,000
48,150	980,000	725,053	1.031	.107	0	140,054	-115,597	15,000
48,150	1160,000	725,395	.342	.102	0	143,662	-118,303	15,000
48,150	1490,000	725,925	.531	.095	0	146,273	-120,914	15,000
48,250	560,000	728,688	0	4.667	0	160,321	0	60,000
48,250	980,000	729,710	1.022	4.658	0	165,321	-5,000	60,000
48,250	1160,000	729,990	.280	4.596	0	172,471	-12,150	60,000
48,250	1490,000	730,409	.410	4.484	0	184,557	-24,235	60,000
49,200	560,000	728,687	0	.001	0	118,973	0	44,000
49,200	980,000	729,708	1.021	.002	0	133,902	-14,920	44,000
49,200	1160,000	729,987	.279	.003	0	138,921	-19,948	44,000
49,200	1490,000	730,405	.418	.000	0	145,427	-27,450	44,000
59,700	560,000	731,649	0	2.961	0	18,100	0	1050,000
59,700	980,000	733,100	1.451	3.392	0	19,831	-1,727	1050,000
59,700	1160,000	733,638	.538	3.651	0	20,472	-2,368	1050,000
59,700	1490,000	735,531	1.893	5.126	0	74,894	-56,792	1050,000

*lower*  
*2.586*  
*-1.181*

*-.045*  
*-.010*  
*-.015*  
*-.017*

*add's*  
*2.240*

DATA FOR LAST CROSS SECTION  
 PROFILE TYPE FNC TARGET TOP WIDTH TOP WIDTH  
 AREA-ACRES AREA-DIFF

*RUSA*

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE PLOTTED  
 5-5-76 BY  
 S. P. FLETCHER

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-9 10-YR W

J1	TCHECK	INO	NINV	IDTR	STRT	METRIC	HVINS	D	WSEL	FQ
	0	2.	0	0	0	0	0	0	688,790	-0
J2	HPROF	TPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.080	.080	.080	.100	.300	-0	-0	-0	-0	-0
QT	5.000	200.000	520.000	610.000	610.000	700.000	-0	-0	-0	-0
X1	622,800	24,000	720,000	774,000	-0	-0	-0	-0	-0	-0
GR	710,000	25,000	705,000	210,000	700,000	400,000	694,400	450,000	693,200	500,000
GR	694,100	550,000	694,000	600,000	694,100	650,000	694,600	700,000	695,500	724,000
GR	687,200	737,000	686,800	747,000	686,900	760,000	694,800	770,000	692,700	800,000
GR	694,200	850,000	694,000	868,000	690,000	870,000	695,300	875,000	695,200	900,000
GR	697,200	950,000	699,000	957,000	705,000	980,000	710,000	1030,000	-0	-0
X1	2,000	10,000	145,000	155,000	200,000	200,000	200,000	-0	-16,700	-0
GR	725,800	0	717,800	50,000	713,800	100,000	708,500	145,000	707,100	149,000
GR	706,700	150,000	707,000	151,000	708,200	155,000	711,400	200,000	724,400	250,000
X1	6,000	0	0	0	400,000	400,000	400,000	-0	5,600	-0
X1	10,000	0	0	0	400,000	400,000	400,000	-0	5,600	-0
X1	14,000	0	0	0	400,000	400,000	400,000	-0	5,500	-0
X1	17,600	0	0	0	360,000	360,000	360,000	-0	4,800	-0
X1	21,200	0	0	0	360,000	360,000	360,000	-0	4,800	-0
X1	25,000	9,000	97,000	106,000	380,000	380,000	380,000	-0	-0	-0
GR	738,300	0	727,300	50,000	722,500	94,000	721,500	97,000	721,100	100,000
GR	721,500	103,000	723,700	106,000	733,900	150,000	739,800	200,000	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

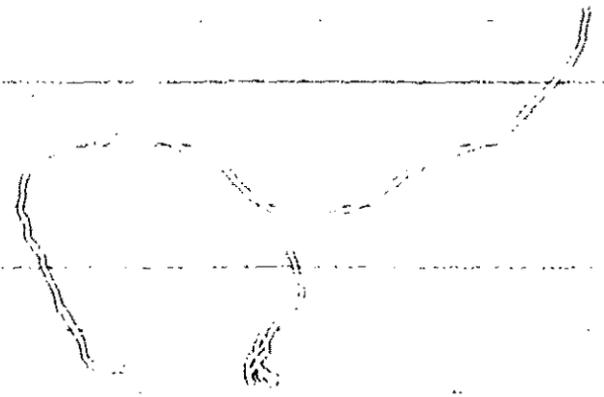
29253



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 HEC2 VERSION UPDATED JAN 197A  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,0A,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-9 100-YR Q

J1	ICHECK	INQ	NINV	TDIR	STPT	METRIC	UVINS	0	WSEL	FQ
	0	4	0	0	0	0	0	0	692,370	-0
J2	NPROF	TPLT	PREVS	YSECV	YSFCH	FN	ALLDC	IR+	CHNTM	TTRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0



57662

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-9 500-YR Q

J1	ICHECK	INO	MINV	TOTR	STRT	METRIC	HVINS	0	WSEL	FO
	0	6.	0	0	0	0	0	0	493,390	-0
J2	NPROF	IPLDT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	TTRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

LTH-25400

776.9

686.6

40.1

TRIB C-9 500-YR Q

SECT V NUM	CHANNEL LENGTH	MIN EI. OF ROADWAY	MAY FL. OF LOW CHORD	MIN EI. GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EA	TOPWTD	LOK*5	TIME	VOL
622.80	-0	0	0	686.80	290.00	688.70	0	689.35	28.84	550.31	0	0
622.80	-0	0	0	686.80	520.00	691.82	0	692.00	41.58	61.11	0	0
622.80	-0	0	0	686.80	610.00	692.37	0	692.56	40.21	56.87	0	0
622.80	-0	0	0	686.80	790.00	693.30	0	693.52	90.10	49.20	0	0
2.00	200.00	0	0	690.00	290.00	693.93	0	694.12	63.16	130.99	.02	.33
2.00	200.00	0	0	690.00	520.00	694.02	693.40	694.56	65.35	358.18	.01	.58
2.00	200.00	0	0	690.00	610.00	694.36	0	694.80	72.76	293.45	.01	.60
2.00	200.00	0	0	690.00	790.00	695.00	0	695.30	83.98	105.32	.01	.95
6.00	400.00	0	0	695.60	290.00	699.46	0	699.67	61.68	144.67	.05	1.18
6.00	400.00	0	0	695.60	520.00	700.59	0	700.76	83.90	85.39	.04	1.85
6.00	400.00	0	0	695.60	610.00	700.77	0	700.96	85.99	83.00	.04	2.13
6.00	400.00	0	0	695.60	790.00	701.01	0	701.27	88.96	114.32	.04	2.72
10.00	400.00	0	0	701.20	290.00	705.11	0	705.30	62.72	135.47	.08	2.03
10.00	400.00	0	0	701.20	520.00	705.57	0	705.91	72.96	210.43	.07	3.22
10.00	400.00	0	0	701.20	610.00	705.80	0	706.12	79.30	192.48	.07	3.67
10.00	400.00	0	0	701.20	790.00	706.35	0	706.62	85.71	150.80	.06	4.55
14.00	400.00	0	0	706.70	290.00	710.50	0	710.70	62.01	138.73	.11	2.82
14.00	400.00	0	0	706.70	520.00	711.50	0	711.70	82.04	106.20	.10	4.50
14.00	400.00	0	0	706.70	610.00	711.70	0	711.96	84.32	111.92	.10	5.14
14.00	400.00	0	0	706.70	790.00	712.05	0	712.32	88.11	124.59	.09	6.35
17.60	360.00	0	0	711.50	290.00	715.43	0	715.62	63.28	129.86	.14	3.64
17.60	360.00	0	0	711.50	520.00	716.02	0	716.35	77.61	155.40	.13	5.70
17.60	360.00	0	0	711.50	610.00	716.32	0	716.60	81.90	148.76	.12	6.56
17.60	360.00	0	0	711.50	790.00	716.75	0	717.05	87.11	138.35	.12	8.01
21.20	360.00	0	0	716.30	290.00	720.20	0	720.39	62.73	135.30	.17	4.40
21.20	360.00	0	0	716.30	520.00	721.04	0	721.28	80.97	121.37	.15	7.01
21.20	360.00	0	0	716.30	610.00	721.26	0	721.50	83.37	124.91	.15	7.93
21.20	360.00	0	0	716.30	790.00	721.61	0	721.89	87.66	130.52	.14	9.65
25.00	380.00	0	0	721.10	290.00	725.20	0	725.42	43.77	131.52	.20	5.20
25.00	380.00	0	0	721.10	520.00	726.02	0	726.42	55.12	149.52	.18	8.22
25.00	380.00	0	0	721.10	610.00	726.37	0	726.73	58.98	150.00	.17	9.22
25.00	380.00	0	0	721.10	790.00	726.86	0	727.26	65.66	151.34	.16	11.27

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-W/SFLK	TOPWTD	T.W. DIFF	LENGTH
622.800	290.000	688.790	0	0	0	28.840	0	-0
622.800	520.000	691.820	3.030	0	0	41.582	-12.742	-0
622.800	610.000	692.370	.550	0	0	40.212	-15.372	-0
622.800	790.000	693.390	1.020	0	0	99.105	-70.265	-0
2.000	290.000	693.931	0	5.141	0	63.164	0	200.000
2.000	520.000	694.020	.090	2.200	0	65.345	-2.182	200.000
2.000	610.000	694.352	.332	1.988	0	72.752	-9.593	200.000
2.000	790.000	695.001	.642	1.611	0	83.972	-20.812	200.000
6.000	290.000	699.452	0	5.527	0	61.676	0	400.000
6.000	520.000	700.594	1.136	6.573	0	83.897	-22.222	400.000
GR	720.000	900.000						

686.6

6,000	610,000	700,768	.174	6,400	0	85,980	-20,314	400,000
6,000	790,000	701,014	.246	6,013	0	88,958	-27,283	400,000
10,000	290,000	705,108	0	5,651	0	62,710	0	400,000
10,000	520,000	705,567	.450	4,073	0	72,955	-10,237	400,000
10,000	610,000	705,842	.275	5,075	0	79,290	-16,581	400,000
10,000	790,000	706,345	.503	5,331	0	85,711	-22,993	400,000
14,000	290,000	710,580	0	5,481	0	62,405	0	400,000
14,000	520,000	711,540	.951	5,973	0	62,043	-10,638	400,000
14,000	610,000	711,737	.197	5,895	0	84,324	-21,919	400,000
14,000	790,000	712,048	.311	5,703	0	88,110	-25,709	400,000
17,600	290,000	715,431	0	4,842	0	63,270	0	360,000
17,600	520,000	714,077	.646	4,537	0	77,610	-14,331	360,000
17,600	610,000	714,320	.243	4,583	0	81,904	-18,625	360,000
17,600	790,000	716,755	.435	4,707	0	87,110	-23,831	360,000
21,200	290,000	720,190	0	4,768	0	62,724	0	360,000
21,200	520,000	721,057	.858	4,981	0	80,966	-18,239	360,000
21,200	610,000	721,257	.199	4,937	0	83,378	-20,644	360,000
21,200	790,000	721,607	.350	4,852	0	87,660	-24,934	360,000
25,000	290,000	725,241	0	5,042	0	43,775	0	380,000
25,000	520,000	726,083	.842	5,025	0	55,124	-11,350	380,000
25,000	610,000	726,367	.285	5,110	0	58,982	-15,208	380,000
25,000	790,000	726,850	.492	5,252	0	65,663	-21,889	380,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TAR	ET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0		3.435	0
2	0	0		4.271	.837
3	0	0		4.498	1.064
4	0	0		4.929	1.495

PROFILE PLOTTED

plot

\*\*\*\*\*  
HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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5-5-76 by  
S.P. FLETCHER

T1 GASTONIA N C  
T2 FLOOD INSURANCE  
T3 TRIP C-10 10-YR W

J1	TCHECK	INC	NINV	TDIR	STRT	METHC	WTNS	D	WSPL	EQ
	0	2	0	0	0	0	0	0	499.700	-0
J2	NPROF	TPLT	PRFVS	XSFCV	XSFCB	FN	ALLDC	IFW	CHNTM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	0.040	0.000	0.050	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	5.000	600.000	1050.000	1250.000	1250.000	1600.000	0.000	0.000	0.000	0.000
X1	645.100	25.000	350.000	700.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	725.000	0	714.200	100.000	711.700	150.000	704.000	300.000	702.600	350.000
GR	702.000	400.000	701.000	450.000	700.500	500.000	700.900	550.000	700.600	581.000
GR	695.000	503.000	701.600	604.000	698.300	650.000	698.300	653.000	692.500	658.000
GR	692.400	665.000	693.300	673.000	701.800	684.000	702.300	700.000	707.400	750.000
GR	714.200	800.000	714.400	812.000	714.000	825.000	719.600	850.000	725.000	925.000
X1	7.000	21.000	486.000	510.000	1675.000	1675.000	1675.000	0.000	0.000	0.000
GR	720.000	0	715.000	100.000	713.100	200.000	711.100	300.000	710.200	350.000
GR	709.100	400.000	707.600	450.000	707.100	486.000	699.900	498.000	699.600	500.000
GR	699.700	502.000	707.000	510.000	706.900	550.000	706.500	600.000	706.400	650.000
GR	705.800	700.000	706.500	750.000	704.600	800.000	704.600	850.000	708.300	900.000
GR	720.000	950.000	0	0	0	0	0	0	0	0
X1	7.300	0	0	0	30.000	30.000	30.000	0	0	0
X3	10.000	0	0	0	0	0	0	707.400	707.400	0
SB	0	1.500	3.000	0	5.800	0	43.000	0	0	0
X1	7.700	25.000	486.000	510.000	40.000	40.000	40.000	0	0	0
X2	0	0	1.000	707.400	709.000	0	0	0	0	0
X3	10.000	0	0	0	0	0	0	709.500	709.500	0
RT	14.000	0	716.300	0	200.000	711.100	0	300.000	711.100	0
RT	400.000	709.600	0	490.000	709.100	0	496.300	709.000	703.700	497.400
RT	709.000	706.400	500.000	709.000	707.400	502.700	709.000	706.400	503.800	709.000
RT	703.700	510.000	708.900	0	700.000	708.200	0	800.000	709.600	0
RT	1020.000	720.000	0	0	0	0	0	0	0	0
GR	720.000	0	715.000	100.000	713.100	200.000	711.100	300.000	710.200	350.000
GR	709.100	400.000	707.600	450.000	707.100	486.000	707.200	490.000	703.700	494.300
GR	701.100	497.400	700.000	500.000	701.100	502.700	703.700	503.800	707.000	510.000
GR	706.900	550.000	706.500	600.000	706.400	650.000	705.800	700.000	706.500	750.000
GR	704.600	800.000	704.600	850.000	708.300	900.000	720.000	950.000	720.000	1020.000
X1	8.000	21.000	492.000	508.000	30.000	30.000	30.000	0	0	0
GR	720.000	0	715.000	180.000	710.600	300.000	709.700	350.000	708.200	400.000
GR	708.000	450.000	707.900	492.000	700.700	496.000	700.600	500.000	700.800	503.000
GR	705.600	508.000	708.600	550.000	709.200	600.000	709.400	650.000	709.400	700.000
GR	708.700	750.000	709.100	762.000	708.700	775.000	711.600	800.000	715.000	900.000
GR	720.000	900.000	0	0	0	0	0	0	0	0

SPR...









52+00  
 7+00  
 45+00  
 16+75  
 61+75  
 745.2  
 692.4  
 52.6

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-10 500-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+S	TIME	VOL	
645,10	"	=0	0	0	692,40	600,00	699,70	0	699,82	68,70	22,5A	0	0
645,10	"	=0	0	0	692,40	1050,00	701,90	0	701,95	282,20	14,6A	0	0
645,10	"	=0	0	0	692,40	1250,00	702,70	0	702,73	357,49	8,09	0	0
645,10	"	=0	0	0	692,40	1600,00	704,40	0	704,42	428,38	2,11	0	0
7,00	1675,00		0	0	699,60	600,00	705,70	0	706,00	114,23	69,30	.11	7,01
7,00	1675,00		0	0	699,60	1050,00	706,30	706,03	706,64	220,17	69,80	.11	16,07
7,00	1675,00		0	0	699,60	1250,00	706,13	706,13	706,76	183,86	142,1A	.08	20,24
7,00	1675,00		0	0	699,60	1600,00	706,43	706,43	707,03	255,80	136,7A	.08	34,39
7,30	30,00		0	0	699,60	600,00	705,33	0	706,67	10,22	247,12	.11	7,09
7,30	30,00		0	0	699,60	1050,00	706,63	706,63	708,66	22,81	295,87	.11	16,10
7,30	30,00		0	0	699,60	1250,00	707,45	707,45	707,51	427,48	11,97	.08	20,53
7,30	30,00		0	0	699,60	1600,00	707,54	707,54	707,63	435,47	16,71	.08	34,72
7,70	40,00	709,00	707,40	700,00	600,00	708,03	0	708,75	20,00	121,25	.11	7,1A	
7,70	40,00	709,00	707,40	700,00	1050,00	709,8A	0	709,80	542,42	.45	.13	17,0A	
7,70	40,00	709,00	707,40	700,00	1250,00	709,5A	0	709,50	527,86	.83	.09	21,5A	
7,70	40,00	709,00	707,40	700,00	1600,00	709,70	0	709,80	537,94	1,13	.09	35,8A	
8,00	30,00		0	0	700,60	600,00	708,7A	0	708,91	197,50	17,21	.11	7,2A
8,00	30,00		0	0	700,60	1050,00	709,85	0	709,91	442,30	8,81	.13	17,89
8,00	30,00		0	0	700,60	1250,00	709,4A	0	709,60	420,66	23,70	.10	22,31
8,00	30,00		0	0	700,60	1600,00	709,6A	0	709,84	432,85	27,50	.09	36,63
14,00	600,00		0	0	702,60	600,00	709,64	0	709,71	97,99	10,47	.19	10,91
14,00	600,00		0	0	702,60	1050,00	710,46	0	710,5A	19A,36	13,80	.19	24,69
14,00	600,00		0	0	702,60	1250,00	710,65	0	710,80	250,98	16,10	.15	28,31
14,00	600,00		0	0	702,60	1600,00	710,90	0	711,1A	314,97	17,87	.14	43,90
20,00	600,00		0	0	706,60	600,00	710,53	0	711,60	27,31	159,93	.21	13,33
20,00	600,00		0	0	706,60	1050,00	711,53	711,53	713,24	30,96	203,74	.21	27,97
20,00	600,00		0	0	706,60	1250,00	712,01	712,01	713,86	32,73	200,0A	.16	32,00
20,00	600,00		0	0	706,60	1600,00	713,14	713,14	714,81	42,99	151,50	.16	48,55
29,50	950,00		0	0	715,90	600,00	722,2A	0	722,80	9A,57	89,62	.26	15,52
29,50	950,00		0	0	715,90	1050,00	723,16	0	723,5A	124,70	66,22	.26	31,50
29,50	950,00		0	0	715,90	1250,00	723,42	0	723,85	133,38	63,23	.22	36,12
29,50	950,00		0	0	715,90	1600,00	723,74	0	724,23	143,20	68,4A	.21	53,5A
40,00	1050,00		0	0	724,70	600,00	730,67	0	731,11	82,41	70,27	.32	18,57
40,00	1050,00		0	0	724,70	1050,00	731,25	0	731,90	100,87	94,80	.30	36,40
40,00	1050,00		0	0	724,70	1250,00	731,47	0	732,1A	107,92	100,20	.26	41,6A
40,00	1050,00		0	0	724,70	1600,00	731,92	0	732,60	122,40	93,22	.25	60,27
52,00	1200,00		0	0	738,20	600,00	743,76	743,76	744,37	82,11	127,47	.37	21,82
52,00	1200,00		0	0	738,20	1050,00	744,42	744,40	745,13	102,82	129,39	.35	41,22
52,00	1200,00		0	0	738,20	1250,00	744,69	744,63	745,42	111,38	121,84	.31	47,21
52,00	1200,00		0	0	738,20	1600,00	744,99	744,94	745,83	110,74	130,74	.30	67,00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL O.R. EACH U	CWSEL DIFF EACH SECTION	CWSEL-WSE/LK	TOPWID	T.W. DIFF	LENGTH
645,100	600,000	699,700	0	0	0	68,700	0	-0
645,100	1050,000	701,900	2,200	0	0	282,200	-213,49A	-0

645,100	1250,000	707,700	.800	0	0	357,493	-288,791	-0
645,100	1600,000	704,400	1,700	0	0	428,380	-359,678	-0
7,000	600,000	705,700	0	6,000	0	114,225	0	1675,000
7,000	1050,000	706,337	.633	4,437	0	224,164	-109,941	1675,000
7,000	1250,000	706,132	-205	3,432	0	183,854	-69,631	1675,000
7,000	1600,000	706,431	.299	2,031	0	255,807	-141,578	1675,000
7,300	600,000	705,328	0	-374	0	19,222	0	30,000
7,300	1050,000	706,628	1,300	.291	0	22,805	-3,584	30,000
7,300	1250,000	707,447	.810	1,315	0	427,475	-408,253	30,000
7,300	1600,000	707,541	.093	1,110	0	435,466	-416,244	30,000
7,700	600,000	708,032	0	2,703	0	24,000	0	40,000
7,700	1050,000	709,884	1,853	3,254	0	542,417	-518,417	40,000
7,700	1250,000	709,582	-302	2,135	0	527,864	-503,864	40,000
7,700	1600,000	709,788	.205	2,247	0	537,945	-513,945	40,000
8,000	600,000	708,784	0	.752	0	197,501	0	30,000
8,000	1050,000	709,851	1,067	-033	0	443,300	-245,799	30,000
8,000	1250,000	709,484	-364	-098	0	424,657	-227,156	30,000
8,000	1600,000	709,679	.195	-108	0	432,848	-235,347	30,000
14,000	600,000	709,638	0	.854	0	97,984	0	600,000
14,000	1050,000	710,456	.818	.605	0	198,364	-100,378	600,000
14,000	1250,000	710,647	.192	1,163	0	250,984	-152,998	600,000
14,000	1600,000	710,990	.343	1,311	0	316,974	-218,989	600,000
20,000	600,000	710,533	0	.895	0	27,310	0	600,000
20,000	1050,000	711,527	.994	1,271	0	30,963	-3,652	600,000
20,000	1250,000	712,008	.481	1,261	0	32,731	-5,421	600,000
20,000	1600,000	713,138	1,130	2,148	0	42,994	-15,684	600,000
29,500	600,000	722,270	0	11,742	0	98,567	0	950,000
29,500	1050,000	723,161	.881	11,433	0	124,694	-24,120	950,000
29,500	1250,000	723,421	.261	11,413	0	133,384	-34,817	950,000
29,500	1600,000	723,736	.314	10,597	0	143,202	-44,635	950,000
40,000	600,000	730,673	0	8,394	0	82,414	0	1050,000
40,000	1050,000	731,254	.581	8,093	0	100,870	-18,460	1050,000
40,000	1250,000	731,470	.216	8,048	0	107,910	-25,508	1050,000
40,000	1600,000	731,916	.447	8,181	0	122,400	-39,989	1050,000
52,000	600,000	743,759	0	13,084	0	82,113	0	1200,000
52,000	1050,000	744,416	.657	13,162	0	102,823	-20,710	1200,000
52,000	1250,000	744,693	.277	13,223	0	111,379	-29,264	1200,000
52,000	1600,000	744,987	.294	13,071	0	119,740	-37,627	1200,000

Smooth  
out  
Manually

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DTFF
1	0	0	12,377	0
2	0	0	23,640	11,263
3	0	0	25,733	13,356
4	0	0	30,384	18,007

299.59









SUMMARY PRINTOUT FOR MULTIPLE PROFILES

LTH = 2300'

138.0  
706.6  
31.4

SECTION NUMBER	DISCHARGE CFS	MIN EL OF CHANNEL ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRIMS	EG	TOPWD	10K*	TIME	VOL
20.00	395.00	0	0	706.60	395.00	710.61	0	711.04	27.66	162.73	0	0
20.00	700.00	0	0	706.60	700.00	711.53	0	712.25	30.97	230.70	0	0
20.00	820.00	0	0	706.60	820.00	712.01	0	712.76	32.74	218.73	0	0
20.00	1070.00	0	0	706.60	1070.00	713.14	0	713.87	43.03	170.26	0	0
6.00	395.00	0	0	710.80	395.00	717.27	0	717.62	21.02	78.81	.03	1.11
6.00	700.00	0	0	710.80	700.00	718.65	0	718.98	128.66	65.45	.04	2.17
6.00	820.00	0	0	710.80	820.00	718.95	0	719.27	138.03	63.94	.04	2.55
6.00	1070.00	0	0	710.80	1070.00	719.45	0	719.78	153.76	63.44	.04	3.33
10.25	395.00	0	0	716.40	395.00	721.81	0	722.40	18.40	169.45	.05	1.82
10.25	700.00	0	0	716.40	700.00	722.92	0	724.00	21.15	238.84	.05	3.60
10.25	820.00	0	0	716.40	820.00	723.20	722.05	724.47	66.78	270.04	.05	4.23
10.25	1070.00	0	0	716.40	1070.00	724.01	724.01	725.01	121.23	201.73	.05	5.78
14.50	395.00	0	0	722.00	395.00	727.90	0	728.38	19.62	116.72	.07	2.47
14.50	700.00	0	0	722.00	700.00	729.56	0	730.01	110.55	91.97	.08	4.86
14.50	820.00	0	0	722.00	820.00	729.93	0	730.34	131.24	81.70	.08	5.76
14.50	1070.00	0	0	722.00	1070.00	730.26	0	730.75	141.74	95.52	.08	7.94
18.75	395.00	0	0	727.60	395.00	733.27	0	733.81	19.03	139.33	.09	3.15
18.75	700.00	0	0	727.60	700.00	734.55	733.18	735.39	93.08	175.24	.09	6.23
18.75	820.00	0	0	727.60	820.00	734.73	733.65	735.71	107.06	202.64	.09	7.45
18.75	1070.00	0	0	727.60	1070.00	735.35	735.35	736.20	125.07	172.14	.09	10.22
23.00	395.00	0	0	732.80	395.00	735.90	0	735.90	133.39	24.70	.17	4.79
23.00	700.00	0	0	732.80	700.00	737.14	0	737.18	161.73	17.51	.17	6.94
23.00	820.00	0	0	732.80	820.00	737.50	0	737.50	160.81	17.06	.16	10.54
23.00	1070.00	0	0	732.80	1070.00	738.01	0	738.04	181.81	18.48	.16	14.12
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	DISCHARGE EACH SECTION	CASEL-WSEFLX	TOPWD	T.W. DIFF	LENGTH				
20.000	395.000	710.630	0	0	0	27.660	0	0				
20.000	700.000	711.530	.900	0	0	30.973	-3.309	0				
20.000	820.000	712.010	.480	0	0	32.738	-5.074	0				
20.000	1070.000	713.140	1.130	0	0	43.032	-15.368	0				
6.000	395.000	717.264	0	6.634	0	21.017	0	600.000				
6.000	700.000	718.648	1.382	7.118	0	128.660	-107.447	600.000				
6.000	820.000	718.945	.297	6.935	0	138.031	-117.014	600.000				
6.000	1070.000	719.407	.502	6.307	0	153.750	-132.742	600.000				
10.250	395.000	721.812	0	4.545	0	18.395	0	425.000				
10.250	700.000	722.916	1.104	4.267	0	21.150	-2.755	425.000				
10.250	820.000	723.199	.284	4.254	0	66.783	-48.387	425.000				
10.250	1070.000	724.012	.813	4.565	0	121.227	-102.832	425.000				
14.500	395.000	727.905	0	6.093	0	19.621	0	425.000				
14.500	700.000	729.560	1.655	6.605	0	119.547	-90.026	425.000				
14.500	820.000	729.930	.370	6.731	0	131.242	-111.620	425.000				
14.500	1070.000	730.264	.330	6.253	0	141.738	-122.117	425.000				
18.750	395.000	733.267	0	5.362	0	18.027	0	425.000				

18,750	820,000	734,732	.184	4.802	0	107,050	-84,031	425,000
18,750	1070,000	735,346	.614	5.082	0	125,465	-106,438	425,000
23,000	395,000	735,903	0	2.636	0	133,393	0	425,000
23,000	700,000	737,145	1.241	2.598	0	161,732	-24,339	425,000
23,000	820,000	737,499	.354	2.764	0	169,809	-36,416	425,000
23,000	1070,000	738,013	.510	2.666	0	181,811	-44,417	425,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1		0	0	1.645	0
2		0	0	4.797	3.152
3		0	0	5.654	4.009
4		0	0	6.782	5.137

$$\begin{array}{r} 200 \\ 250 \\ \hline 2300 \\ 200 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 250 \\ 250 \\ \hline 2250 \end{array}$$

\*\*\*\*\*  
 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE PLOTTED  
 5-5-76 by  
 S. P. FLETCHER

*Steve*  
*check with*  
*me before plotting*

T1 GASTONIA IN C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-11 10-YR Q

J1	ICHECK	INQ	NINV	IDIF	STRT	METRIC	WVINS	D	WSFL	FQ
	0	2	0	0	0	0	0	0	70P.130	-0
J2	NPROF	IPLDT	PREVS	YSECV	YSECV	FN	ALLDC	IRW	CHNIM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.070	.070	.060	.100	.300		-0	-0	-0	-0
QT	5.000	330.000	600.000	700.000	700.000	900.000		-0	-0	-0
X1	679.000	25.000	337.000	366.000		-0	-0	-0	-0	-0
GR	725.000	0	722.100	15.000	723.000	25.000	722.900	30.000	716.100	55.000
GR	717.000	100.000	717.200	150.000	716.900	200.000	715.800	255.000	712.000	267.000
GR	711.200	300.000	709.800	337.000	702.000	345.000	701.100	355.000	701.700	363.000
GR	706.300	366.000	707.000	376.000	713.000	378.000	711.000	400.000	711.000	450.000
GR	712.500	500.000	712.200	550.000	711.700	600.000	713.800	650.000	725.000	687.000
X1	9.000	12.000	193.000	208.000	1050.000	1050.000	1050.000		-0	-0
GR	740.000	0	729.800	100.000	722.800	150.000	717.700	193.000	714.500	196.000
GR	714.400	200.000	714.600	204.000	716.800	208.000	721.900	250.000	733.000	300.000
GR	735.000	350.000	740.000	410.000		-0	-0	-0	-0	-0
X1	21.000	14.000	241.000	265.000	1200.000	1200.000	1200.000		-0	-0
GR	755.000	0	751.300	100.000	751.200	110.000	740.500	150.000	732.700	200.000
GR	734.300	241.000	726.500	248.000	726.400	250.000	726.900	252.000	735.800	265.000
GR	737.200	300.000	741.600	350.000	747.800	400.000	750.000	450.000		-0
X1	21.750	-0	-0	-0	75.000	75.000	75.000		-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	732.100	732.100	-0
SB	0	1.500	3.000	0	3.100	0	12.600	0	-0	-0
X1	22.50	16.000	248.000	252.000	50.000	50.000	50.000		-0	-0
X2	-0	-0	1.000	732.100	742.000		-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	742.500	742.500	-0
BT	15.000	0	757.000	-0	100.000	748.500	-0	100.000	727.500	-0
BT	150.000	744.700	-0	200.000	741.800	-0	240.000	741.000	-0	248.000
BT	742.000	730.200	248.600	742.000	731.600	250.000	742.000	732.100	251.400	742.000
BT	731.600	252.000	742.000	730.200	265.000	741.000	-0	300.000	742.100	-0
BT	400.000	748.400	-0	480.000	755.000	-0	-0	-0	-0	-0
GR	755.000	0	751.300	100.000	751.200	110.000	740.500	150.000	732.700	200.000
GR	734.300	240.000	730.200	248.000	728.800	248.400	728.200	250.000	728.800	251.400
GR	730.200	252.000	735.800	265.000	737.200	300.000	741.600	350.000	747.800	400.000
GR	750.000	480.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	22.500	17.000	185.000	240.000	1425.000	25.000	25.000	-0	-0	-0
GR	760.000	0	755.000	60.000	751.500	100.000	744.100	123.000	741.500	150.000
GR	740.500	185.000	720.000	198.000	728.800	200.000	728.900	202.000	732.800	203.000
GR	739.300	230.000	742.200	240.000	742.400	250.000	745.500	300.000	748.700	350.000

GR	755,000	400,000	755,000	480,000	-0	-0	-0	-0	-0	-0
X1	28,000	14,000	188,000	215,000	550,000	550,000	550,000	-0	-0	-0
GR	770,000	0	761,900	100,000	758,100	150,000	754,000	175,000	749,200	188,000
GR	746,000	191,000	746,000	200,000	746,300	208,000	748,900	215,000	754,300	250,000
GR	758,500	270,000	758,300	300,000	765,000	350,000	770,000	400,000	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

6

0

9

29807



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 ( ) TRIB C=11 100-YR Q

J1	ICHECK	INO	NINV	IDIR	STPT	METRIC	WVINS	Q	WSEL	FO
	0	4	0	0	0	0	0	0	711,170	-0
J2	NPROF	IPLT	PRFS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

29812

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 HEC2 VERSION UPDATED JAN 1974  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C=11 500-YR: Q

J1	ICHECK	IND	NINV	IDIR	STPT	METRIC	HVINS	Q	WSEL	EQ
	0	6	0	0	0	0	0	0	712,600	-0
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	CHNIM	TTRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

29817

LTH. 28+00

750.0

701.5

48.5

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-11 500-YR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EA	TOPWTD	10K+S	TIME	VFL	
					701.5								
<del>679.00</del>		-0	0	701.10	330.00	<del>708.13</del>	708.5	0	708.20	37.66	9.18	0	0
679.00		-0	0	701.10	600.00	<del>710.40</del>	710.7	0	710.40	55.99	8.94	0	0
679.00		-0	0	701.10	700.00	<del>711.17</del>	711.6	0	711.24	134.13	8.23	0	0
679.00		-0	0	701.10	900.00	<del>712.60</del>	713.0	0	712.66	351.79	5.17	0	0
9.00	1050.00		0	714.40	330.00	717.68	717.68	718.74	22.19	390.67	.04	2.50	
9.00	1050.00		0	714.40	600.00	718.95	718.95	720.05	43.17	260.99	.04	4.13	
9.00	1050.00		0	714.40	700.00	719.27	719.27	720.40	48.60	246.29	.04	5.04	
9.00	1050.00		0	714.40	900.00	719.77	719.77	720.97	54.92	239.57	.03	9.29	
21.00	1200.00		0	726.40	330.00	733.35		733.61	40.29	59.46	.12	4.25	
21.00	1200.00		0	726.40	600.00	734.50		734.83	70.65	70.86	.11	7.39	
21.00	1200.00		0	726.40	700.00	734.78		735.13	74.84	72.71	.11	8.80	
21.00	1200.00		0	726.40	900.00	735.30		735.66	80.88	73.42	.11	13.97	
21.75	75.00		0	726.40	330.00	733.80		733.98	55.74	41.21	.12	4.41	
21.75	75.00		0	726.40	600.00	735.04		735.20	78.96	41.05	.12	7.70	
21.75	75.00		0	726.40	700.00	735.34		735.55	81.29	42.35	.11	9.14	
21.75	75.00		0	726.40	900.00	735.86		736.00	84.84	44.30	.11	14.38	
22.25	50.00	742.00	732.10	728.20	330.00	741.24		741.90	0.00	170.84	.13	4.50	
22.25	50.00	742.00	732.10	728.20	600.00	742.62		742.62	214.19	.54	.15	8.56	
22.25	50.00	742.00	732.10	728.20	700.00	742.81		742.81	218.04	.42	.14	10.04	
22.25	50.00	742.00	732.10	728.20	900.00	743.12		743.13	222.11	.61	.13	15.35	
22.50	25.00		0	728.80	330.00	742.02		742.03	94.76	1.65	.14	5.30	
22.50	25.00		0	728.80	600.00	742.64		742.64	115.83	3.74	.25	24.14	
22.50	25.00		0	728.80	700.00	742.84		742.84	121.02	4.52	.24	26.20	
22.50	25.00		0	728.80	900.00	743.14		743.22	129.60	6.16	.21	32.46	
28.00	550.00		0	746.00	330.00	748.20	748.20	749.10	24.16	468.91	.16	7.91	
28.00	550.00		0	746.00	600.00	749.12	749.12	750.36	28.32	424.09	.27	27.33	
28.00	550.00		0	746.00	700.00	749.42	749.42	750.74	30.93	392.79	.25	29.57	
28.00	550.00		0	746.00	900.00	749.98	749.98	751.47	35.91	347.29	.23	36.20	

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
679.000	330.000	708.130	0	0	0	37.660	0	-0
679.000	600.000	710.400	2.270	0	0	55.990	-18.327	-0
679.000	700.000	711.170	.770	0	0	134.130	-96.470	-0
679.000	900.000	712.600	1.430	0	0	351.790	-314.126	-0
9.000	330.000	717.676	0	0.546	0	22.190	0	1050.000
9.000	600.000	718.945	1.269	0.545	0	43.166	-20.972	1050.000
9.000	700.000	719.271	.324	0.101	0	48.603	-26.409	1050.000
9.000	900.000	719.770	.499	7.170	0	56.917	-54.723	1050.000
21.000	330.000	733.347	0	15.671	0	40.285	0	1200.000
21.000	600.000	734.501	1.154	15.556	0	74.651	-34.366	1200.000
21.000	700.000	734.781	.279	15.509	0	76.845	-36.559	1200.000
21.000	900.000	735.296	.515	15.525	0	80.881	-40.596	1200.000
21.750	330.000	733.796	0	.449	0	55.741	0	75.000
21.750	600.000	735.044	1.248	.543	0	78.963	-23.222	75.000

29817

21,750	700,000	735,338	.294	.558	0	81,269	-25,548	75,000
21,750	900,000	735,860	.522	.564	0	86,837	-31,096	75,000
22,250	330,000	741,258	0	7,462	0	4,000	0	50,000
22,250	600,000	742,620	1.362	7,576	0	216,192	-212,192	50,000
22,250	700,000	742,810	.189	7,471	0	218,439	-214,439	50,000
22,250	900,000	743,119	.309	7,259	0	222,114	-218,114	50,000
22,500	330,000	742,018	0	.760	0	94,750	0	25,000
22,500	600,000	742,643	.625	.023	0	115,833	-21,074	25,000
22,500	700,000	742,838	.195	.029	0	121,024	-26,264	25,000
22,500	900,000	743,161	.322	.042	0	129,596	-30,837	25,000
28,000	330,000	748,196	0	6,178	0	24,163	0	550,000
28,000	600,000	749,116	.920	6,473	0	28,322	-4,159	550,000
28,000	700,000	749,421	.305	6,583	0	30,930	-6,766	550,000
28,000	900,000	749,975	.554	6,814	0	35,905	-11,742	550,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3.220	0
2	0	0	6.932	3,712
3	0	0	8.152	4,933
4	0	0	11.232	8,012

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 WEC2 VERSION UPDATED JAN 1976  
 ERRDR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE REPLOTTED  
 5-18-76 BY  
 S.P. FLETCHER

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TR18 C-12 10 YR Q

J1	ICHECK	IND	NINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	FG
	-0.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	708.130	-0.000
J2	NPROF	TPLDT	PHFVS	YSFCV	YSECH	FN	ALLDC	IRH	CHNIM	TTRACE
	1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	1.000	34.000	3.000	4.000	27.000	28.000	26.000	-0.000	-0.000	-0.000
NC	.060	.040	.050	.100	.300	-0.000	-0.000	-0.000	-0.000	-0.000
QT	5.000	300.000	545.000	630.000	630.000	820.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	-0.000	-0.000	10.400	-0.000	-0.000	-0.000	-0.000	-0.000
X1	670.000	25.000	337.000	465.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	725.000	0.000	722.100	15.000	723.000	25.000	722.900	30.000	716.100	55.000
GR	717.000	100.000	717.200	150.000	714.900	200.000	715.800	255.000	712.000	267.000
GR	711.200	300.000	709.800	337.000	702.000	345.000	701.100	355.000	701.700	363.000
GR	706.300	366.000	707.000	375.000	713.000	378.000	711.000	400.000	711.000	450.000
GR	712.500	500.000	712.200	550.000	711.700	600.000	713.800	650.000	725.000	687.000
X1	9.500	14.000	194.000	210.000	1100.000	1100.000	1100.000	-0.000	-0.000	-0.000
GR	735.000	0.000	728.500	100.000	723.100	150.000	719.500	194.000	717.800	195.000
GR	717.700	200.000	717.900	204.000	719.600	210.000	722.500	250.000	727.200	300.000
GR	727.300	350.000	727.300	450.000	730.000	550.000	730.000	650.000	-0.000	-0.000
X1	9.750	-0.000	-0.000	-0.000	25.000	25.000	25.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	721.500	721.500	-0.000
SB	0.000	1.500	3.000	0.000	5.100	0.000	33.200	0.000	-0.000	-0.000
X1	9.950	17.000	197.700	202.300	20.000	20.000	20.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1.000	721.500	727.500	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	727.500	727.500	-0.000
BT	14.000	0.000	737.700	-0.000	0.000	737.700	-0.000	100.000	728.400	-0.000
BT	150.000	727.600	-0.000	190.000	727.500	-0.000	197.700	727.500	719.200	198.400
BT	727.500	720.800	200.000	727.500	721.500	201.600	727.500	720.800	202.300	727.500
BT	719.200	210.000	727.600	-0.000	500.000	728.300	-0.000	350.000	729.500	-0.000
BT	650.000	730.500	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	735.000	0.000	728.500	100.000	723.100	150.000	719.500	194.000	719.200	197.700
GR	717.600	198.400	717.000	200.000	717.600	201.600	719.200	202.300	717.900	204.000
GR	719.600	210.000	727.500	250.000	727.200	300.000	727.300	350.000	727.300	450.000
GR	730.000	550.000	730.000	650.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	10.500	14.000	194.000	210.000	60.000	60.000	60.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	727.500	727.500	-0.000
GR	735.000	0.000	728.500	100.000	723.100	150.000	719.500	194.000	717.800	196.000
GR	717.700	200.000	717.900	204.000	719.600	210.000	722.500	250.000	727.200	300.000
GR	727.300	350.000	727.300	450.000	730.000	550.000	730.000	650.000	-0.000	-0.000
X1	10.000	14.000	194.000	210.000	40.000	40.000	40.000	-0.000	.230	-0.000

32073



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,59  
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T1 GASTONIA N.C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-12 50 YR 0

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	WVINS	Q	WSEL	FO
	-0.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	710.400	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

32077

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-12 100 YR Q

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	WVINS	D	WSEL	FQ
	-0.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	711.170	-0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

32080

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-12 500 YR Q

J1	ICHECK	INQ	NINV	IDIR	STPT	METRIC	WVINS	D	WSEL	FQ
	-0.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	712.600	-0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSFCH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

32083

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-12 500 YR N

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCIL	STENCIL	VGH
679.00	-0.00	0.00	701.10	300.00	708.13	130.57	708.18		57.66	0.00	0.00	1.91
679.00	-0.00	0.00	701.10	545.00	710.40	239.85	710.48		55.99	0.00	0.00	2.28
679.00	-0.00	0.00	701.10	630.00	711.17	291.82	711.25		130.13	0.00	0.00	2.32
679.00	-0.00	0.00	701.10	820.00	712.60	471.12	712.65		351.79	0.00	0.00	2.08
9.50	1100.00	0.00	717.70	300.00	720.59	21.18	721.51		42.98	0.00	0.00	7.16
9.50	1100.00	0.00	717.70	545.00	721.39	41.10	722.20		63.72	0.00	0.00	8.15
9.50	1100.00	0.00	717.70	630.00	721.59	47.82	722.43		69.02	0.00	0.00	8.45
9.50	1100.00	0.00	717.70	820.00	721.99	63.00	722.88		79.51	0.00	0.00	8.99
9.75	25.00	0.00	717.70	300.00	721.05	20.41	721.75		16.00	0.00	0.00	6.69
9.75	25.00	0.00	717.70	545.00	722.16	70.66	722.49		83.83	0.00	0.00	5.49
9.75	25.00	0.00	717.70	630.00	722.38	81.03	722.72		89.46	0.00	0.00	5.74
9.75	25.00	0.00	717.70	820.00	722.80	105.29	723.17		99.45	0.00	0.00	6.13
9.95	20.00	727.50	717.00	300.00	722.71	11.95	725.27		4.60	0.00	0.00	12.85
9.95	20.00	727.50	717.00	545.00	727.81	73.67	727.81		362.52	0.00	0.00	.75
9.95	20.00	727.50	717.00	630.00	728.09	851.89	728.10		375.86	0.00	0.00	.80
9.95	20.00	727.50	717.00	820.00	728.45	961.01	728.46		392.58	0.00	0.00	.95
10.50	60.00	0.00	717.70	300.00	725.58	105.36	725.68		16.00	0.00	0.00	2.56
10.50	60.00	0.00	717.70	545.00	727.81	817.09	727.82		362.52	0.00	0.00	.86
10.50	60.00	0.00	717.70	630.00	728.10	897.14	728.10		375.74	0.00	0.00	.93
10.50	60.00	0.00	717.70	820.00	728.46	1008.40	728.46		392.42	0.00	0.00	1.10
10.90	40.00	0.00	717.90	300.00	725.69	383.75	725.69		153.88	0.00	0.00	.84
10.90	40.00	0.00	717.90	545.00	727.81	765.98	727.82		353.35	0.00	0.00	.91
10.90	40.00	0.00	717.90	630.00	728.10	840.88	728.10		366.58	0.00	0.00	.97
10.90	40.00	0.00	717.90	820.00	728.46	946.09	728.47		383.29	0.00	0.00	1.16
18.20	730.00	0.00	721.70	300.00	725.68	36.12	726.92		13.85	0.00	0.00	8.92
18.20	730.00	0.00	721.70	545.00	727.56	53.54	728.11		116.02	0.00	0.00	6.69
18.20	730.00	0.00	721.70	630.00	727.99	77.81	728.38		133.08	0.00	0.00	5.74
18.20	730.00	0.00	721.70	820.00	728.42	107.65	728.73		148.75	0.00	0.00	5.71
24.90	670.00	0.00	731.10	300.00	736.21	34.06	736.58		21.36	0.00	0.00	4.90
24.90	670.00	0.00	731.10	545.00	736.52	39.07	737.53		22.05	0.00	0.00	8.03
24.90	670.00	0.00	731.10	630.00	736.33	35.81	737.85		21.76	0.00	0.00	9.91
24.90	670.00	0.00	731.10	820.00	736.93	46.60	738.68		23.94	0.00	0.00	10.59
25.00	10.00	0.00	731.10	200.00	736.52	39.08	736.66		22.45	0.00	0.00	2.95
25.00	10.00	0.00	731.10	355.00	737.45	57.55	737.69		25.54	0.00	0.00	3.94
25.00	10.00	0.00	731.10	420.00	737.80	66.66	738.08		26.00	0.00	0.00	4.23
25.00	10.00	0.00	731.10	550.00	738.72	113.53	738.90		111.05	0.00	0.00	3.76
25.60	60.00	745.90	738.00	200.00	738.83	10.76	740.16		4.60	0.00	0.00	9.26
25.60	60.00	745.90	738.00	355.00	746.60	1628.75	746.60		203.58	0.00	0.00	.27
25.60	60.00	745.90	738.00	420.00	746.94	1733.75	746.94		205.40	0.00	0.00	.30
25.60	60.00	745.90	738.00	550.00	747.37	1874.96	747.38		207.75	0.00	0.00	.37

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCL	STFNCR	VCH
25.70	10.00	0.00	0.00	732.30	200.00	740.28	138.89	740.30	124.33	0.00	0.00	1.17
25.70	10.00	0.00	0.00	732.30	355.00	746.60	1150.02	746.60	146.54	0.00	0.00	.43
25.70	10.00	0.00	0.00	732.30	420.00	746.93	1233.71	746.90	107.45	0.00	0.00	.48
25.70	10.00	0.00	0.00	732.30	550.00	747.37	1342.60	747.38	150.09	0.00	0.00	.60
34.00	830.00	0.00	0.00	744.90	200.00	747.39	13.20	747.82	45.89	0.00	0.00	6.57
34.00	830.00	0.00	0.00	744.90	355.00	747.82	22.57	748.40	47.47	0.00	0.00	7.76
34.00	830.00	0.00	0.00	744.90	420.00	747.97	26.32	748.61	48.01	0.00	0.00	8.18
34.00	830.00	0.00	0.00	744.90	550.00	748.19	32.23	749.00	48.79	0.00	0.00	9.22
41.70	770.00	0.00	0.00	758.40	200.00	760.96	16.93	761.30	18.69	0.00	0.00	5.31
41.70	770.00	0.00	0.00	758.40	355.00	761.89	29.91	762.50	21.31	0.00	0.00	6.31
41.70	770.00	0.00	0.00	758.40	420.00	762.21	35.39	762.80	22.24	0.00	0.00	6.62
41.70	770.00	0.00	0.00	758.40	550.00	762.87	47.60	763.63	24.07	0.00	0.00	7.01

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.N. DIFF	LENGTH
679.000	300.000	708.130	0.000	0.000	0.000	37.660	0.000	-0.000
679.000	545.000	710.400	2.270	0.000	0.000	55.990	-18.327	-0.000
679.000	630.000	711.170	.770	0.000	0.000	134.130	-96.470	-0.000
679.000	820.000	712.600	1.430	0.000	0.000	351.790	-314.126	-0.000
9.500	300.000	720.590	0.000	12.460	0.000	42.980	0.000	1100.000
9.500	545.000	721.387	.797	10.987	0.000	63.710	-20.740	1100.000
9.500	630.000	721.591	.204	10.421	0.000	69.021	-26.041	1100.000
9.500	820.000	721.987	.396	9.387	0.000	79.310	-36.334	1100.000
9.750	300.000	721.051	0.000	.461	0.000	16.000	0.000	25.000
9.750	545.000	722.161	1.111	.770	0.000	83.828	-67.828	25.000
9.750	630.000	722.378	.217	.787	0.000	89.461	-73.461	25.000
9.750	820.000	722.800	.421	.813	0.000	99.455	-83.455	25.000
9.950	300.000	722.708	0.000	1.657	0.000	8.600	0.000	20.000
9.950	545.000	727.808	5.100	5.647	0.000	362.624	-358.024	20.000
9.950	630.000	728.094	.285	5.715	0.000	375.858	-371.258	20.000
9.950	820.000	728.453	.360	5.653	0.000	392.582	-387.982	20.000
10.500	300.000	725.576	0.000	2.868	0.000	16.000	0.000	60.000
10.500	545.000	727.810	2.235	.002	0.000	362.520	-346.520	60.000
10.500	630.000	728.096	.286	.002	0.000	375.741	-359.741	60.000
10.500	820.000	728.456	.360	.003	0.000	392.410	-376.410	60.000
10.900	300.000	725.687	0.000	.112	0.000	153.880	0.000	40.000
10.900	545.000	727.812	2.125	.001	0.000	353.347	-199.463	40.000
10.900	630.000	728.098	.286	.002	0.000	366.578	-212.693	40.000
10.900	820.000	728.458	.361	.002	0.000	383.289	-229.405	40.000
18.200	300.000	725.680	0.000	-.007	0.000	13.851	0.000	730.000
18.200	545.000	727.560	1.880	-.252	0.000	116.020	-102.168	730.000
18.200	630.000	727.995	.435	-.103	0.000	133.070	-119.228	730.000
18.200	820.000	728.420	.429	-.030	0.000	148.747	-130.895	730.000
24.900	300.000	736.212	0.000	10.532	0.000	21.363	0.000	670.000
24.900	545.000	736.524	.312	8.960	0.000	22.450	-1.091	670.000
24.900	630.000	736.327	-.197	8.332	0.000	21.755	-.392	670.000
24.900	820.000	736.933	.606	8.508	0.000	23.942	-2.579	670.000
25.000	200.000	736.520	0.000	.309	0.000	22.450	0.000	10.000
25.000	355.000	737.048	.928	.924	0.000	25.537	-3.083	10.000
25.000	420.000	737.804	.356	1.477	0.000	26.000	-3.546	10.000

25,000	550,000	738,716	.912	1.783	0.000	111.046	-88,591	10,000
25,600	200,000	738,827	0.000	2.307	0.000	4,600	0.000	60,000
25,600	355,000	746,597	7,770	9,149	0.000	203,585	-198,985	60,000
25,600	420,000	746,935	.338	9,131	0.000	205,395	-200,795	60,000
25,600	550,000	747,374	.439	8,658	0.000	207,749	-203,149	60,000
25,700	200,000	740,281	0.000	1,454	0.000	124,325	0.000	10,000
25,700	355,000	746,597	6,316	-.001	0.000	146,541	-22,216	10,000
25,700	420,000	746,934	.337	-.001	0.000	147,448	-23,123	10,000
25,700	550,000	747,373	.438	-.001	0.000	150,086	-25,761	10,000
34,000	200,000	747,389	0.000	7,108	0.000	45,893	0.000	830,000
34,000	355,000	747,825	.436	1,228	0.000	47,468	-1,575	830,000
34,000	420,000	747,974	.149	1,040	0.000	48,008	-2,114	830,000
34,000	550,000	748,191	.217	.818	0.000	48,791	-2,898	830,000
41,700	200,000	760,956	0.000	13,566	0.000	18,695	0.000	770,000
41,700	355,000	761,887	.931	14,062	0.000	21,314	-2,619	770,000
41,700	420,000	762,212	.325	14,238	0.000	22,242	-3,548	770,000
41,700	550,000	762,866	.654	14,676	0.000	24,075	-5,380	770,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0.000	0.000	5,039	0.000
2	0.000	0.000	10,142	5,103
3	0.000	0.000	11,642	6,602
4	0.000	0.000	15,105	10,066

32087

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE REPLOTTED  
 5-17-76 BY  
 S. P. FLETCHER

T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-14 10 YR R

J1	ICHECK	INQ	NINV	TOTR	STR1	METRIC	HVINS	Q	*SEL	FQ
	-0.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	722,400	-0.000
J2	NPROF	TPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
J3	1,000	34,000	3,000	4,000	27,000	28,000	26,000	-0,000	-0,000	-0,000
NC	.050	.050	.040	.100	.300	-0,000	-0,000	-0,000	-0,000	-0,000
QT	5,000	380,000	680,000	790,000	790,000	1030,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	-0,000	-0,000	10,400	-0,000	-0,000	-0,000	-0,000	-0,000
X1	3,000	15,000	330,000	370,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	725,200	725,200
GR	745,000	0,000	740,000	40,000	735,000	140,000	731,200	200,000	729,800	250,000
GR	728,600	300,000	727,800	330,000	717,300	346,000	716,800	350,000	717,200	354,000
GR	728,400	370,000	727,700	400,000	727,400	450,000	727,400	450,000	737,000	1000,000
SB	0,000	1,500	3,000	0,000	6,000	0,000	44,200	0,000	-0,000	-0,000
X1	3,500	21,000	296,200	303,700	50,000	50,000	50,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	725,200	728,400	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	728,900	728,900
BT	12,000	0,000	740,000	-0,000	200,000	730,000	-0,000	290,000	728,600	-0,000
BT	296,200	728,400	721,400	297,300	728,400	724,000	300,000	728,400	725,200	302,600
BT	728,400	724,000	503,700	728,400	721,400	310,000	728,300	-0,000	450,000	727,000
BT	-0,000	950,000	728,000	-0,000	1000,000	737,000	-0,000	-0,000	-0,000	-0,000
GR	745,000	0,000	740,000	40,000	735,000	140,000	731,200	200,000	729,800	250,000
GR	728,800	290,000	721,400	296,200	718,800	297,300	717,700	300,000	718,800	302,600
GR	721,400	303,700	728,600	310,000	727,800	330,000	717,300	346,000	716,800	350,000
GR	717,200	354,000	728,400	370,000	727,700	400,000	727,400	450,000	727,400	950,000
GR	737,000	1000,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X1	4,000	15,000	330,000	370,000	50,000	50,000	50,000	-0,000	500	-0,000
GR	745,000	0,000	740,000	40,000	735,000	140,000	731,200	200,000	729,800	250,000
GR	728,600	300,000	727,800	330,000	717,300	346,000	716,800	350,000	717,200	354,000
GR	728,400	370,000	727,700	400,000	727,400	450,000	727,400	450,000	737,000	1000,000
X1	6,500	14,000	194,000	206,000	250,000	250,000	250,000	-0,000	-0,000	-0,000
GR	745,000	0,000	738,000	100,000	735,800	150,000	731,900	163,000	729,200	185,000
GR	721,400	194,000	720,900	200,000	721,700	206,000	729,500	207,000	731,400	250,000
GR	731,600	300,000	735,000	400,000	737,400	500,000	740,000	600,000	-0,000	-0,000
X1	6,750	-0,000	-0,000	-0,000	25,000	25,000	25,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	729,300	729,300
SB	0,000	1,500	3,000	0,000	8,000	0,000	64,000	0,000	-0,000	-0,000
X1	7,300	17,000	196,000	204,000	55,000	55,000	55,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	729,300	733,200	-0,000	-0,000	-0,000	-0,000	-0,000

C 2105







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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-14 500 YR Q

J1	ICHECK	INO	NINV	IDIR	STPT	METRIC	HVINB	Q	WSEL	FQ
	-0.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	728,100	-0,000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

32114

7.00  
116  
17.0

LTH-1000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-14 500 YR W

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TW	ER	TOPWTD	STENCL	STENCR	VCH
3.00	-0.00	0.00	0.00	716.80	380.00	722.40	65.00	722.73	23.20	0.00	0.00	4.63
3.00	-0.00	0.00	0.00	716.80	680.00	724.80	141.13	725.10	30.29	0.00	0.00	4.65
3.00	-0.00	0.00	0.00	716.80	790.00	725.70	178.99	726.02	32.94	0.00	0.00	4.52
3.00	-0.00	0.00	0.00	716.80	1030.00	728.10	398.25	728.21	621.61	0.00	0.00	3.06
3.50	50.00	728.40	725.20	717.70	380.00	723.11	21.06	725.38	7.50	0.00	0.00	12.08
3.50	50.00	728.40	725.20	717.70	680.00	725.10	37.90	728.31	7.50	0.00	0.00	14.37
3.50	50.00	728.40	725.20	717.70	790.00	729.39	1030.18	729.39	693.79	0.00	0.00	1.04
3.50	50.00	728.40	725.20	717.70	1030.00	730.06	1453.74	730.06	723.16	0.00	0.00	1.00
4.00	50.00	0.00	0.00	717.30	380.00	725.60	153.04	725.60	31.16	0.00	0.00	2.48
4.00	50.00	0.00	0.00	717.30	680.00	728.62	405.15	728.67	623.69	0.00	0.00	1.99
4.00	50.00	0.00	0.00	717.30	790.00	729.38	697.48	729.40	669.80	0.00	0.00	1.43
4.00	50.00	0.00	0.00	717.30	1030.00	730.06	1055.70	730.07	701.39	0.00	0.00	1.31
6.50	250.00	0.00	0.00	720.90	380.00	725.52	54.49	726.20	17.25	0.00	0.00	6.82
6.50	250.00	0.00	0.00	720.90	680.00	728.30	133.15	729.02	20.86	0.00	0.00	6.99
6.50	250.00	0.00	0.00	720.90	790.00	728.95	154.28	729.71	21.64	0.00	0.00	7.40
6.50	250.00	0.00	0.00	720.90	1030.00	729.30	169.31	730.48	23.20	0.00	0.00	9.10
6.75	25.00	0.00	0.00	720.90	380.00	725.56	47.11	726.30	12.00	0.00	0.00	7.31
6.75	25.00	0.00	0.00	720.90	680.00	728.18	95.42	729.21	12.00	0.00	0.00	8.14
6.75	25.00	0.00	0.00	720.90	790.00	728.74	106.41	729.93	12.00	0.00	0.00	8.76
6.75	25.00	0.00	0.00	720.90	1030.00	729.49	174.77	730.57	20.33	0.00	0.00	8.91
7.30	55.00	733.20	729.30	721.30	380.00	725.42	23.84	727.48	8.00	0.00	0.00	11.54
7.30	55.00	733.20	729.30	721.30	680.00	728.84	55.38	730.81	8.00	0.00	0.00	11.27
7.30	55.00	733.20	729.30	721.30	790.00	730.50	72.13	732.20	8.00	0.00	0.00	10.73
7.30	55.00	733.20	729.30	721.30	1030.00	729.42	61.07	733.32	8.00	0.00	0.00	15.86
7.50	20.00	0.00	0.00	721.80	380.00	727.32	75.70	727.76	18.38	0.00	0.00	5.56
7.50	20.00	0.00	0.00	721.80	680.00	730.59	183.02	731.03	30.19	0.00	0.00	5.71
7.50	20.00	0.00	0.00	721.80	790.00	732.15	266.10	732.48	78.25	0.00	0.00	5.11
7.50	20.00	0.00	0.00	721.80	1030.00	733.49	405.13	733.73	168.56	0.00	0.00	4.76
10.00	250.00	0.00	0.00	723.70	380.00	728.21	45.74	728.78	10.73	0.00	0.00	6.03
10.00	250.00	0.00	0.00	723.70	680.00	731.18	167.09	731.43	99.82	0.00	0.00	4.35
10.00	250.00	0.00	0.00	723.70	790.00	732.58	311.94	732.68	127.60	0.00	0.00	3.13
10.00	250.00	0.00	0.00	723.70	1030.00	733.80	491.05	733.88	151.62	0.00	0.00	2.88

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWTD	T.W. DIFF	LENGTH
3.000	380.000	722.400	0.000	0.000	0.000	23.200	0.000	-0.000
3.000	680.000	724.800	2.400	0.000	0.000	30.286	-7.086	-0.000
3.000	790.000	725.700	.900	0.000	0.000	32.943	-9.743	-0.000
3.000	1030.000	728.100	2.400	0.000	0.000	621.610	-598.410	-0.000
3.500	380.000	723.113	0.000	.713	0.000	7.500	0.000	50.000
3.500	680.000	725.104	1.990	.304	0.000	7.500	0.000	50.000
3.500	790.000	729.386	4.282	3.686	0.000	693.787	-486.287	50.000
3.500	1030.000	730.061	.674	1.961	0.000	723.161	-715.661	50.000
4.000	380.000	725.598	0.000	2.485	0.000	31.163	0.000	50.000
4.000	680.000	728.624	3.025	3.520	0.000	623.687	-592.523	50.000

4,000	790,000	729,381	.757	-.005	0,000	669,798	-638,635	50,000
4,000	1030,000	730,058	.677	-.003	0,000	701,392	-670,228	50,000
6,500	380,000	725,524	0,000	-.074	0,000	17,240	0,000	250,000
6,500	680,000	728,339	2,815	-.284	0,000	20,863	-3,615	250,000
6,500	790,000	728,949	.610	-.432	0,000	21,641	-4,392	250,000
6,500	1030,000	729,342	.393	-.716	0,000	23,200	-5,951	250,000
6,750	380,000	725,558	0,000	.034	0,000	12,000	0,000	25,000
6,750	680,000	728,185	2,627	-.154	0,000	12,000	0,000	25,000
6,750	790,000	728,737	.552	-.212	0,000	12,000	0,000	25,000
6,750	1030,000	729,486	.749	.144	0,000	24,328	-12,328	25,000
7,300	380,000	725,418	0,000	-.140	0,000	8,000	0,000	55,000
7,300	680,000	728,843	3,425	.658	0,000	8,000	0,000	55,000
7,300	790,000	730,499	1,656	1,762	0,000	8,000	0,000	55,000
7,300	1030,000	729,415	-1,084	-.070	0,000	8,000	0,000	55,000
7,500	380,000	727,318	0,000	1,900	0,000	18,383	0,000	20,000
7,500	680,000	730,588	3,270	1,745	0,000	30,194	-11,812	20,000
7,500	790,000	732,149	1,561	1,649	0,000	78,255	-59,872	20,000
7,500	1030,000	733,495	1,346	4,080	0,000	168,564	-150,182	20,000
10,000	380,000	728,213	0,000	.895	0,000	19,727	0,000	250,000
10,000	680,000	731,184	2,971	.596	0,000	99,819	-80,092	250,000
10,000	790,000	732,579	1,395	.430	0,000	127,598	-107,871	250,000
10,000	1030,000	733,797	1,218	.302	0,000	151,622	-131,895	250,000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENC

TARGET TOP WIDTH TOP WIDTH  
AREA=ACRES AREA=DIFF

1	0,000	0,000	.315	0,000
2	0,000	0,000	2,637	2,322
3	0,000	0,000	3,817	3,501
4	0,000	0,000	4,662	4,347









SUMMARY PRINTOUT FOR MULTIPLE PROFILES

LTH = 1000'

766.2  
721.0  
25.0

TRIB C-15 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EA	TOPWTD	10K*8	TIME	VOL
727.50	-0	0	0	721.00	310.00	725.26	0	725.51	10.22	26.48	0	0
727.50	-0	0	0	721.00	555.00	730.00	0	730.11	151.43	4.92	0	0
727.50	-0	0	0	721.00	645.00	732.94	0	732.95	344.63	.60	0	0
727.50	-0	0	0	721.00	840.00	737.28	0	737.28	577.93	.07	0	0
9.50	950.00	0	0	733.20	310.00	737.27	737.27	738.44	14.02	286.38	.03	1.26
9.50	950.00	0	0	733.20	555.00	738.88	738.88	739.60	80.52	122.60	.04	4.41
9.50	950.00	0	0	733.20	645.00	739.04	739.04	739.81	84.63	129.84	.04	12.51
9.50	950.00	0	0	733.20	840.00	739.38	739.38	740.17	90.82	131.38	.04	35.32
10.00	50.00	0	0	733.20	310.00	738.50	0	739.45	10.00	140.61	.03	1.31
10.00	50.00	0	0	733.20	555.00	739.73	0	739.90	113.55	34.28	.04	4.57
10.00	50.00	0	0	733.20	645.00	739.95	0	740.14	121.64	34.67	.04	12.60
10.00	50.00	0	0	733.20	840.00	740.30	0	740.50	135.31	36.92	.04	35.55
10.01	1.00	744.20	739.50	735.50	310.00	744.80	0	744.80	206.98	.00	.03	1.32
10.01	1.00	744.20	739.50	735.50	555.00	745.38	0	745.38	212.06	.21	.05	4.59
10.01	1.00	744.20	739.50	735.50	645.00	745.53	0	745.53	213.39	.24	.04	12.71
10.01	1.00	744.20	739.50	735.50	840.00	745.81	0	745.82	215.88	.38	.04	35.57
11.00	40.00	0	0	737.90	310.00	744.80	0	744.80	187.56	.58	.05	2.09
11.00	40.00	0	0	737.90	555.00	745.37	0	745.38	193.28	1.13	.06	5.47
11.00	40.00	0	0	737.90	645.00	745.52	0	745.54	198.78	1.34	.06	13.61
11.00	40.00	0	0	737.90	840.00	745.80	0	745.82	197.56	1.83	.05	36.53
16.00	500.00	0	0	741.30	310.00	745.10	745.10	745.68	70.13	173.53	.08	5.87
16.00	500.00	0	0	741.30	555.00	745.61	745.61	746.25	78.25	212.48	.08	10.05
16.00	500.00	0	0	741.30	645.00	745.74	745.74	746.42	80.82	218.80	.08	18.43
16.00	500.00	0	0	741.30	840.00	746.01	746.01	746.77	85.94	225.32	.07	41.78

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
727.500	310.000	725.260	0	0	0	19.217	0	-0
727.500	555.000	730.000	0.740	0	0	151.420	-132.211	-0
727.500	645.000	732.940	2.940	0	0	344.629	-125.411	-0
727.500	840.000	737.280	4.340	0	0	577.933	-558.716	-0
9.500	310.000	737.270	0	12.010	0	14.920	0	950.000
9.500	555.000	738.881	1.610	8.881	0	80.520	-65.604	950.000
9.500	645.000	739.040	.159	6.100	0	86.631	-71.711	950.000
9.500	840.000	739.384	.344	2.104	0	99.814	-84.896	950.000
10.000	310.000	738.502	0	1.232	0	10.000	0	50.000
10.000	555.000	739.735	1.233	.854	0	113.552	-103.552	50.000
10.000	645.000	739.947	.212	.907	0	121.636	-111.636	50.000
10.000	840.000	740.304	.357	.920	0	135.308	-125.308	50.000
10.010	310.000	744.801	0	4.299	0	206.985	0	1.000
10.010	555.000	745.377	.576	5.642	0	212.057	-5.072	1.000
10.010	645.000	745.528	.151	5.580	0	213.391	-6.407	1.000
10.010	840.000	745.809	.281	5.504	0	215.877	-8.892	1.000
11.000	310.000	744.799	0	-.002	0	187.559	0	40.000
11.000	555.000	745.373	.574	-.003	0	193.280	-5.722	40.000

11,000	645,000	745,524	.150	-.004	0	194.774	-9.226	40,000
11,000	840,000	745,803	.279	-.006	0	197.562	-10,003	40,000
16,000	310,000	745,186	0	.387	0	70.130	0	500,000
16,000	555,000	745,608	.422	.235	0	78.253	-8.123	500,000
16,000	645,000	745,742	.134	.218	0	80.823	-10.693	500,000
16,000	840,000	746,008	.266	.205	0	85.942	-15.812	500,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0	0	2.049	0
2	0	0	4.389	2.340
3	0	0	6.595	4.546
4	0	0	9.346	7.297









SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-16 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	REG	TOPWTD	10K+S	TIME	VOL
746.00	-0	0	0	732.00	380.00	741.70	0	741.70	230.62	.32	0	0
746.00	-0	0	0	732.00	680.00	743.00	0	743.01	474.62	.40	0	0
746.00	-0	0	0	732.00	790.00	743.20	0	743.21	496.15	.53	0	0
746.00	-0	0	0	732.00	1030.00	743.80	0	743.81	502.02	.61	0	0
5.00	500.00	0	0	736.90	380.00	741.47	0	741.90	22.64	70.64	.03	5.9A
5.00	500.00	0	0	736.90	680.00	742.55	0	743.31	35.72	88.24	.02	8.5A
5.00	500.00	0	0	736.90	790.00	742.59	0	743.60	36.59	115.65	.02	9.10
5.00	500.00	0	0	736.90	1030.00	742.93	742.54	744.33	44.96	148.32	.01	10.90
7.50	250.00	0	0	739.20	380.00	743.19	0	743.67	24.50	70.81	.04	6.3A
7.50	250.00	0	0	739.20	680.00	744.58	0	745.24	28.08	68.74	.03	9.17
7.50	250.00	0	0	739.20	790.00	745.04	0	745.77	62.42	66.14	.03	9.79
7.50	250.00	0	0	739.20	1030.00	745.90	0	746.50	118.01	55.27	.03	11.87
12.50	500.00	0	0	743.00	270.00	747.34	0	747.92	14.13	111.42	.06	7.00
12.50	500.00	0	0	743.00	480.00	748.78	0	749.48	41.05	117.54	.05	10.21
12.50	500.00	0	0	743.00	565.00	749.24	0	749.87	65.01	114.73	.05	11.08
12.50	500.00	0	0	743.00	730.00	749.64	0	750.33	80.42	128.40	.05	13.81

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELY	TOPWTD	T.W. DIFF	LENGTH
746.000	380.000	741.700	0	0	0	230.615	0	-0
746.000	680.000	743.000	1.300	0	0	474.615	-240.000	-0
746.000	790.000	743.200	.200	0	0	496.150	-261.532	-0
746.000	1030.000	743.800	.600	0	0	502.024	-267.400	-0
5.000	380.000	741.434	0	-0.266	0	22.636	0	500.000
5.000	680.000	742.548	1.114	-0.452	0	35.720	-13.084	500.000
5.000	790.000	742.592	.044	-0.608	0	36.588	-13.952	500.000
5.000	1030.000	742.932	.340	-0.868	0	44.957	-22.321	500.000
7.500	380.000	743.180	0	1.755	0	24.490	0	250.000
7.500	680.000	744.581	1.392	2.033	0	28.075	-3.576	250.000
7.500	790.000	745.054	.475	2.465	0	62.418	-37.919	250.000
7.500	1030.000	745.890	.833	2.967	0	118.012	-93.513	250.000
12.500	270.000	747.340	0	4.151	0	14.128	0	500.000
12.500	480.000	748.785	1.445	4.204	0	41.040	-24.921	500.000
12.500	565.000	749.240	.456	4.184	0	65.011	-48.883	500.000
12.500	730.000	749.640	.390	3.743	0	80.425	-60.297	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	1.845	0
2	0	0	3.509	1.664
3	0	0	4.673	2.228
4	0	0	4.744	2.901









758.7  
739.2  
19.5

LTH = 1480'

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-16-1 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DTSCHARGE (CFS)	CWSEL	CRIPS	EG	TOPWTD	10K+S	TIME	VOL	
7.50		-0	0	0	739.20	270.00	743.19	0	743.43	24.52	35.42	0	0
7.50		-0	0	0	739.20	480.00	744.58	0	744.92	28.07	34.29	0	0
7.50		-0	0	0	739.20	565.00	745.06	0	745.43	62.93	33.74	0	0
7.50		-0	0	0	739.20	730.00	745.90	0	746.22	118.04	27.70	0	0
4.00	400.00		0	0	743.00	270.00	745.88	745.74	746.58	24.87	255.29	.02	.52
4.00	400.00		0	0	743.00	480.00	747.00	0	747.71	32.28	185.19	.02	.83
4.00	400.00		0	0	743.00	565.00	747.40	0	748.11	34.83	168.76	.02	.98
4.00	400.00		0	0	743.00	730.00	747.83	0	748.67	37.74	181.65	.02	1.44
8.50	450.00		0	0	745.50	270.00	750.68	0	751.04	33.85	51.80	.04	1.05
8.50	450.00		0	0	745.50	480.00	751.64	0	752.15	67.73	40.70	.04	1.79
8.50	450.00		0	0	745.50	565.00	751.93	0	752.46	77.77	42.32	.04	2.10
8.50	450.00		0	0	745.50	730.00	752.46	0	752.97	89.94	58.04	.04	2.88
11.65	315.00		0	0	749.30	270.00	753.10	0	754.00	12.45	186.40	.05	1.40
11.65	315.00		0	0	749.30	480.00	754.26	754.02	755.59	26.72	202.58	.05	2.38
11.65	315.00		0	0	749.30	565.00	754.80	754.80	756.04	45.35	162.88	.05	2.84
11.65	315.00		0	0	749.30	730.00	755.47	755.47	756.62	68.77	136.10	.05	3.92
14.80	315.00		0	0	753.10	270.00	756.64	0	756.97	22.70	55.03	.07	1.75
14.80	315.00		0	0	753.10	480.00	757.94	0	758.37	38.56	46.79	.07	2.93
14.80	315.00		0	0	753.10	565.00	758.23	0	758.73	43.66	50.28	.06	3.51
14.80	315.00		0	0	753.10	730.00	758.68	0	759.31	51.79	56.99	.06	4.80

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
7.500	270.000	743.190	0	0	0	24.523	0	-0
7.500	480.000	744.580	1.390	0	0	28.073	-3.550	-0
7.500	565.000	745.060	.480	0	0	62.925	-38.402	-0
7.500	730.000	745.900	.840	0	0	118.040	-93.521	-0
4.000	270.000	745.882	0	2.692	0	24.871	0	400.000
4.000	480.000	747.002	1.121	2.422	0	32.277	-7.406	400.000
4.000	565.000	747.396	.394	2.336	0	34.827	-9.956	400.000
4.000	730.000	747.827	.431	1.927	0	37.739	-12.868	400.000
8.500	270.000	750.679	0	4.797	0	33.851	0	450.000
8.500	480.000	751.640	.961	4.638	0	67.720	-33.878	450.000
8.500	565.000	751.927	.286	4.531	0	77.768	-43.917	450.000
8.500	730.000	752.456	.530	4.629	0	89.945	-56.090	450.000
11.650	270.000	753.090	0	2.420	0	12.649	0	315.000
11.650	480.000	754.259	1.169	2.619	0	26.720	-14.075	315.000
11.650	565.000	754.800	.545	2.878	0	45.351	-32.702	315.000
11.650	730.000	755.471	.664	3.014	0	68.772	-56.123	315.000
14.800	270.000	756.659	0	3.560	0	22.700	0	315.000
14.800	480.000	757.945	1.286	3.686	0	38.559	-15.859	315.000
14.800	565.000	758.233	.288	3.429	0	43.661	-20.960	315.000
14.800	730.000	758.680	.451	3.214	0	51.793	-29.093	315.000

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

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA NC  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 10 YR Q

J1 ICHECK INQ MINV TDIP STRT METRIC RVJNS Q WSEL FQ  
 0. 2. 0. 0. 0. 0. 0. 0. 0. 699,030 0.

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC TBN CHNIV ITR4CF  
 1.000 0. -1.000 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 0.150 0.150 0.100 0.300 0.500 0. 0. 0. 0. 0.  
 QT 5.000 650,000 1110,000 1310,000 1310,000 1700,000 0. 0. 0. 0.  
 ET 0. 0. 0. 0. 10,400 0. 0. 0. 0. 0.

X1 632,000 30,000 780,000 821,000 0. 0. 0. 0. 0. 0.  
 GR 710,000 0. 706,100 707,000 704,700 100,000 704,200 150,000 703,500 200,000  
 GR 703,200 250,000 702,900 300,000 700,000 370,000 700,400 389,000 700,100 400,000  
 GR 700,200 450,000 700,100 500,000 698,800 550,000 697,900 600,000 698,200 658,000  
 GR 691,500 665,000 691,300 675,000 691,600 685,000 698,500 689,000 698,000 700,000  
 GR 698,200 750,000 698,100 780,000 690,100 791,000 698,700 802,000 689,800 813,000  
 GR 697,100 821,000 697,300 850,000 705,700 900,000 711,800 950,000 717,700 1000,000

X1 8,300 18,000 525,000 550,000 830,000 830,000 830,000 0. 0. 0.  
 GR 720,000 45,000 715,000 195,000 706,000 300,000 703,500 400,000 701,500 450,000  
 GR 701,000 500,000 701,100 525,000 693,400 532,000 693,200 540,000 693,300 543,000  
 GR 701,600 550,000 701,000 600,000 699,600 650,000 709,000 700,000 710,500 730,000  
 GR 712,500 800,000 717,300 850,000 721,200 900,000 0. 0. 0. 0.  
 ET 0. 0. 0. 0. 8,400 0. 0. 0. 0. 0.

X1 18,900 15,000 276,000 296,000 1110,000 1010,000 1060,000 0. 0. 0.  
 GR 725,000 0. 718,600 50,000 718,200 100,000 716,000 150,000 706,800 250,000  
 GR 705,500 276,000 699,400 282,000 699,100 288,000 699,100 293,000 705,700 296,000  
 GR 706,400 300,000 706,500 350,000 709,200 400,000 713,900 450,000 725,000 485,000  
 NC 0,050 0,070 0,050 0,100 0,300 0. 0. 0. 0. 0.  
 QT 5.000 580,000 1020,000 1200,000 1200,000 1550,000 0. 0. 0. 0.  
 ET 0. 0. 0. 0. 10,400 0. 0. 0. 0. 0.

X1 33,300 20,000 613,000 637,000 1440,000 1440,000 1440,000 0. 0. 0.  
 GR 749,000 0. 742,300 100,000 740,000 150,000 735,000 200,000 725,600 350,000  
 GR 721,200 400,000 714,500 550,000 713,800 600,000 713,500 613,000 708,100 615,000  
 GR 705,600 625,000 706,000 632,000 713,300 637,000 713,600 650,000 714,000 700,000  
 GR 720,800 750,000 724,000 765,000 724,800 810,000 735,000 872,000 745,000 915,000

X1 46,000 19,000 350,000 365,000 1270,000 1270,000 1270,000 0. 0. 0.  
 GR 740,000 80,000 735,000 160,000 730,000 195,000 725,000 250,000 722,600 300,000  
 GR 721,400 323,000 718,600 350,000 714,500 353,000 713,000 358,000 714,800 383,000  
 GR 718,800 365,000 721,700 400,000 722,200 417,000 722,600 450,000 725,100 497,000  
 GR 726,300 501,000 730,000 522,000 735,000 550,000 740,000 575,000 0. 0.

X1 46,800 0. 0. 0. 80,000 80,000 80,000 1.000 0.100 0.

X1	47,500	22,000	192,000	208,000	70,000	70,000	70,000	0.	0.	0.
BT	10,000	192,000	723,100	718,400	194,000	723,100	721,400	196,000	723,200	721,700
BT	198,000	723,200	720,600	199,000	723,300	718,400	201,200	723,200	718,400	203,000
BT	723,100	721,200	205,000	723,100	721,400	207,000	723,000	720,200	207,800	723,000
BT	718,400	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	730,000	0.	725,000	60,000	720,000	100,000	722,500	130,000	722,700	150,000
GR	723,100	192,000	718,000	192,100	717,000	192,600	715,600	194,000	715,200	196,000
GR	716,300	198,000	717,000	201,500	715,400	203,000	715,100	205,000	715,500	206,000
GR	716,300	207,000	718,400	207,900	723,000	204,000	723,000	250,000	723,900	265,000
GR	725,000	300,000	730,000	310,000	0.	0.	0.	0.	0.	0.
X1	48,000	15,000	349,000	410,000	50,000	50,000	50,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	723,000	723,000	0.
GR	735,000	0.	730,000	30,000	725,000	200,000	720,000	250,000	721,000	270,000
GR	720,000	280,000	723,000	350,000	721,700	349,000	716,400	308,000	715,800	600,000
GR	715,400	408,000	719,300	410,000	725,000	450,000	726,200	470,000	735,000	525,000
X1	48,800	0.	0.	0.	80,000	80,000	80,000	1,000	0.300	0.
NC	0.050	0.050	0.040	0.100	0.500	0.	0.	0.	0.	0.
BT	5,000	510,000	900,000	1050,000	1050,000	1350,000	0.	0.	0.	0.
X1	56,500	18,000	436,000	490,000	770,000	970,000	870,000	0.	0.	0.
GR	750,000	0.	705,000	135,000	740,000	200,000	735,000	250,000	730,000	280,000
GR	727,800	400,000	728,300	436,000	719,800	450,000	719,500	457,000	719,800	445,000
GR	725,400	480,000	728,200	500,000	735,000	550,000	738,300	600,000	742,500	650,000
GR	746,700	700,000	749,100	740,000	750,000	745,000	0.	0.	0.	0.
X1	57,000	0.	0.	0.	50,000	50,000	50,000	1,000	0.	0.
SR	1,250	2,000	2,700	0.	14,800	0,600	101,000	0.	0.	0.
X1	58,000	10,000	355,000	390,000	100,000	100,000	100,000	0.	0.	0.
X2	0.	0.	1,000	726,500	730,000	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	730,000	730,000	0.
BT	10,000	0.	744,500	726,500	100,000	737,500	726,500	200,000	731,700	726,500
BT	300,000	730,000	726,500	367,000	731,000	726,500	385,000	731,500	726,500	400,000
BT	732,100	726,500	450,000	734,600	726,500	530,000	737,800	726,500	550,000	742,200
BT	726,500	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	746,000	0.	734,100	200,000	727,100	250,000	725,900	300,000	726,700	350,000
GR	726,300	355,000	720,400	368,000	719,500	371,000	720,300	376,000	726,300	390,000
GR	726,600	400,000	731,000	450,000	741,700	500,000	745,000	520,000	0.	0.
X1	56,500	0.	0.	0.	50,000	50,000	50,000	1,000	0.	0.
NC	0.100	0.100	0.040	0.100	0.300	0.	0.	0.	0.	0.
BT	5,000	490,000	650,000	1010,000	1010,000	1300,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.400	0.	0.	0.	0.	0.
X1	65,000	19,000	282,000	295,000	650,000	650,000	650,000	0.	0.	0.
GR	750,000	0.	745,000	70,000	740,700	100,000	735,700	150,000	732,700	174,000
GR	732,700	200,000	751,800	250,000	727,800	282,000	723,400	285,000	723,200	289,000
GR	723,700	293,000	727,700	295,000	731,200	350,000	733,200	375,000	737,300	383,000
GR	738,000	195,000	740,000	413,000	745,000	433,000	750,000	535,000	0.	0.
X1	65,500	0.	0.	0.	60,000	60,000	60,000	1,000	0.100	0.
X3	10,000	0.	0.	0.	0.	0.	0.	735,000	735,000	0.
SR	0.100	2,000	3,100	0.	6,500	0.	39,000	0.	0.	0.
X1	65,300	0.	0.	0.	70,000	70,000	70,000	1,000	0.	0.
X2	0.	0.	1,000	0.	0.	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	735,000	735,000	0.
BT	10,000	25,000	740,000	730,800	150,000	736,200	730,800	200,000	735,300	730,800
BT	250,000	734,900	730,800	254,000	734,900	730,800	274,000	734,900	730,800	278,000
BT	735,000	730,800	300,000	735,200	730,800	350,000	736,700	730,800	400,000	740,300
BT	730,800	0.	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.
X1	67,000	15,000	606,000	623,000	70,000	70,000	70,000	0.	0.	0.

GN	749.000	70.000	740.000	160.000	733.700	500.000	732.200	590.000	731.200	600.000
GR	730.500	606.000	727.900	612.000	727.500	615.000	728.100	618.000	731.100	623.000
GP	734.700	650.000	737.700	700.000	741.100	750.000	741.600	765.000	745.000	770.000
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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\*\*\*\*\*<sup>9)</sup>  
 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 50 YR W

J1 ICHECK INQ NINV IDIR STRT METRIC RVINS 0 WSEI FQ  
 0. 3. 0. 0. 0. 0. 0. 0. 700.500 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLEDG ISW CHNIM ITRACE  
 2.000 0. -1.000 0. 0. 0. 0. 0. 0. 0.

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 100-YP 0

J1 ICHECK INQ NINV IDIP STRT METRIC HVINS 0 WSEL FQ  
 0. 0. 0. 0. 0. 0. 0. 0. 701.200 0.

J2 NPROP IPLOT PPFVS XSECV XSECH FN ALLOC TBM CHNIM ITRACE  
 3.000 0. -1.000 0. 0. 0. 0. 0. 0. 0.

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 500 YR D

J1 ICHECK INQ NJNV IOIP STRT METRIC HVIMS G WSEL PO  
 0. 0. 0. 0. 0. 0. 0. 0. 703.110 0.

J2 NPROF IPLOT PREVS XSECV XSECH FM ALLOC IRW CHN1 ITRACF  
 15.000 0. 0. 0. 0. 0. 0. 0. 0. 0.

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

AVON CREEK 500 YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
632.00	0.	0.	0.	689.80	650.00	699.03	165.07	699.05	319.14	0.	0.	1.44
632.00	0.	0.	0.	689.80	1110.00	700.50	320.42	700.52	511.12	0.	0.	1.51
632.00	0.	0.	0.	689.80	1310.00	701.26	430.41	701.22	542.18	0.	0.	1.42
632.00	0.	0.	0.	689.80	1700.00	703.11	843.72	703.12	619.58	0.	0.	1.10
8.30	830.00	0.	0.	693.20	650.00	701.48	69.73	701.68	198.06	0.	0.	3.84
8.30	830.00	0.	0.	693.20	1110.00	702.52	120.64	702.71	240.93	0.	0.	4.20
8.30	830.00	0.	0.	693.20	1310.00	702.85	142.60	703.04	251.00	0.	0.	4.33
8.30	830.00	0.	0.	693.20	1700.00	703.89	226.80	704.01	288.40	0.	0.	3.83
18.90	1060.00	0.	0.	699.10	650.00	708.16	95.07	708.28	145.43	0.	0.	3.21
18.90	1060.00	0.	0.	699.10	1110.00	709.38	155.83	709.52	180.02	0.	0.	3.69
18.90	1060.00	0.	0.	699.10	1310.00	709.79	181.65	709.83	188.75	0.	0.	3.85
18.90	1060.00	0.	0.	699.10	1700.00	710.19	209.71	710.37	197.39	0.	0.	4.46
33.30	1440.00	0.	0.	705.60	580.00	713.43	107.00	713.44	29.43	0.	0.	3.74
33.30	1440.00	0.	0.	705.60	1020.00	714.94	184.42	715.19	146.87	0.	0.	4.38
33.30	1440.00	0.	0.	705.60	1200.00	715.33	220.20	715.57	178.50	0.	0.	4.45
33.30	1440.00	0.	0.	705.60	1550.00	716.04	299.18	716.25	199.15	0.	0.	4.47
46.00	1270.00	0.	0.	713.00	580.00	719.96	50.50	720.68	42.09	0.	0.	7.02
46.00	1270.00	0.	0.	713.00	1020.00	721.41	93.89	722.17	73.60	0.	0.	7.82
46.00	1270.00	0.	0.	713.00	1200.00	721.72	108.13	722.53	93.87	0.	0.	8.24
46.00	1270.00	0.	0.	713.00	1550.00	722.13	130.79	723.07	105.57	0.	0.	9.14
46.80	80.00	0.	0.	713.10	580.00	721.03	76.80	721.39	43.33	0.	0.	5.18
46.80	80.00	0.	0.	713.10	1020.00	722.46	145.71	722.79	125.91	0.	0.	5.51
46.80	80.00	0.	0.	713.10	1200.00	722.84	173.77	723.16	155.43	0.	0.	5.62
46.80	80.00	0.	0.	713.10	1550.00	723.42	228.54	723.73	178.31	0.	0.	5.78
47.50	70.00	723.00	721.70	715.10	580.00	721.65	32.34	722.25	49.04	0.	0.	6.59
47.50	70.00	723.00	721.70	715.10	1020.00	723.04	58.26	723.55	149.67	0.	0.	5.93
47.50	70.00	723.00	721.70	715.10	1200.00	723.43	75.52	723.82	184.73	0.	0.	4.63
47.50	70.00	723.00	721.70	715.10	1550.00	723.96	118.64	724.30	198.15	0.	0.	4.13
48.00	50.00	0.	0.	715.80	580.00	722.45	69.22	722.91	21.00	0.	0.	5.45
48.00	50.00	0.	0.	715.80	1020.00	723.70	283.15	723.77	227.93	0.	0.	2.75
48.00	50.00	0.	0.	715.80	1200.00	723.96	325.24	724.04	232.37	0.	0.	2.89
48.00	50.00	0.	0.	715.80	1550.00	724.41	404.93	724.50	240.01	0.	0.	3.13
48.80	80.00	0.	0.	716.10	580.00	723.10	164.28	723.15	201.74	0.	0.	2.43
48.80	80.00	0.	0.	716.10	1020.00	723.81	254.52	723.89	224.70	0.	0.	2.99
48.80	80.00	0.	0.	716.10	1200.00	724.08	294.75	724.16	229.19	0.	0.	3.13
48.80	80.00	0.	0.	716.10	1550.00	724.53	371.44	724.63	236.91	0.	0.	3.36
56.50	870.00	0.	0.	719.50	510.00	724.44	94.08	724.74	34.26	0.	0.	4.37
56.50	870.00	0.	0.	719.50	900.00	725.51	139.73	726.03	78.69	0.	0.	5.78
56.50	870.00	0.	0.	719.50	1050.00	725.82	155.38	726.43	40.16	0.	0.	6.25
56.50	870.00	0.	0.	719.50	1350.00	726.33	185.44	727.13	45.22	0.	0.	7.16

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO EG	TOPWID	STENCL	STENCR	VCH	
57.00	50.00	0.	0.	719.50	510.00	724.61	100.58	724.88	34.95	0.	0.	4.17
57.00	50.00	0.	0.	719.50	900.00	725.77	152.19	726.23	39.75	0.	0.	5.43
57.00	50.00	0.	0.	719.50	1050.00	726.11	171.96	726.64	43.00	0.	0.	5.85
57.00	50.00	0.	0.	719.50	1350.00	726.69	208.50	727.37	48.81	0.	0.	6.63
58.00	100.00	730.00	726.50	719.50	510.00	724.64	60.24	725.22	29.51	0.	0.	6.07
58.00	100.00	730.00	726.50	719.50	900.00	727.96	217.83	728.28	35.00	0.	0.	4.58
58.00	100.00	730.00	726.50	719.50	1050.00	729.24	303.45	729.54	35.00	0.	0.	4.35
58.00	100.00	730.00	726.50	719.50	1350.00	731.09	980.26	731.13	228.92	0.	0.	2.08
58.50	50.00	0.	0.	719.50	510.00	725.10	74.10	725.52	31.81	0.	0.	5.20
58.50	50.00	0.	0.	719.50	900.00	728.25	339.08	728.36	175.42	0.	0.	3.08
58.50	50.00	0.	0.	719.50	1050.00	729.53	581.72	729.59	199.84	0.	0.	2.39
58.50	50.00	0.	0.	719.50	1350.00	731.10	983.15	731.14	229.03	0.	0.	2.08
65.00	650.00	0.	0.	723.20	490.00	728.85	51.41	729.80	39.97	0.	0.	7.94
65.00	650.00	0.	0.	723.20	650.00	728.89	52.29	730.52	40.95	0.	0.	10.42
65.00	650.00	0.	0.	723.20	1010.00	730.37	95.26	731.88	76.68	0.	0.	10.68
65.00	650.00	0.	0.	723.20	1300.00	731.20	130.33	732.64	96.72	0.	0.	10.94
65.60	60.00	0.	0.	723.30	490.00	729.47	56.75	730.31	13.00	0.	0.	7.36
65.60	60.00	0.	0.	723.30	650.00	730.11	67.72	731.27	13.00	0.	0.	8.67
65.60	60.00	0.	0.	723.30	1010.00	730.57	75.79	732.09	13.00	0.	0.	12.49
65.60	60.00	0.	0.	723.30	1300.00	731.11	85.66	734.20	13.00	0.	0.	14.79
65.30	70.00	734.90	730.80	723.30	490.00	730.09	47.40	730.76	13.00	0.	0.	6.56
65.30	70.00	734.90	730.80	723.30	650.00	735.59	585.14	735.61	227.92	0.	0.	1.68
65.30	70.00	734.90	730.80	723.30	1010.00	736.20	687.41	736.23	234.61	0.	0.	2.30
65.30	70.00	734.90	730.80	723.30	1300.00	736.54	751.41	736.59	248.75	0.	0.	2.76
67.00	70.00	0.	0.	727.50	490.00	732.03	45.02	733.05	71.61	0.	0.	8.36
67.00	70.00	0.	0.	727.50	650.00	735.58	300.22	735.64	266.24	0.	0.	2.73
67.00	70.00	0.	0.	727.50	1010.00	736.18	384.67	736.27	308.86	0.	0.	3.50
67.00	70.00	0.	0.	727.50	1300.00	736.53	440.53	736.64	333.51	0.	0.	4.06

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL - WSEL	TOPWID	T.W. DIFF	LENGTH
632.000	650.000	699.030	0.	0.	0.	319.144	0.	0.
632.000	1110.000	700.500	1.470	0.	0.	511.117	-191.973	0.
632.000	1310.000	701.200	0.700	0.	0.	532.180	-213.036	0.
632.000	1700.000	703.110	1.910	0.	0.	619.584	-300.440	0.
8.300	650.000	701.484	0.	2.454	0.	198.063	0.	830.000
8.300	1110.000	702.517	1.033	2.017	0.	240.933	-42.870	830.000
8.300	1310.000	702.849	0.332	1.649	0.	250.988	-52.935	830.000
8.300	1700.000	703.886	1.037	0.776	0.	288.401	-90.538	830.000
16.900	650.000	708.157	0.	6.673	0.	145.474	0.	1060.000
16.900	1110.000	709.381	1.225	6.864	0.	180.019	-34.585	1060.000
16.900	1310.000	709.787	0.406	6.478	0.	188.754	-43.319	1060.000
16.900	1700.000	710.190	0.403	6.304	0.	197.385	-51.951	1060.000
33.300	580.000	715.426	0.	5.269	0.	29.427	0.	1440.000
33.300	1020.000	714.944	1.518	5.562	0.	166.848	-137.441	1440.000
33.300	1200.000	715.335	0.391	5.547	0.	178.496	-149.069	1440.000
33.300	1550.000	716.037	0.703	5.847	0.	199.153	-169.726	1440.000
46.000	580.000	719.959	0.	6.533	0.	42.026	0.	1270.000
46.000	1020.000	721.409	1.450	6.465	0.	73.605	-31.518	1270.000
46.000	1200.000	721.721	0.312	6.386	0.	83.867	-41.780	1270.000

46,000	1550.000	722.131	0.410	6.093	0.	105,574	-63,487	1270.000
46,800	580.000	721.032	0.	1.073	0.	63,332	0.	80.000
46,800	1020.000	722.463	1.431	1.054	0.	125,905	-62,573	80.000
46,800	1200.000	722.837	0.370	1.116	0.	155,426	-92,004	80.000
46,800	1550.000	723.415	0.576	1.284	0.	178,314	-114,982	80.000
47,500	580.000	721.655	0.	0.623	0.	49,004	0.	70.000
47,500	1020.000	723.042	1.387	0.578	0.	169,665	-120,621	70.000
47,500	1200.000	723.432	0.390	0.594	0.	184,726	-135,682	70.000
47,500	1550.000	723.955	0.523	0.540	0.	198,105	-149,101	70.000
48,000	580.000	722.452	0.	0.797	0.	21,000	0.	50.000
48,000	1020.000	723.704	1.252	0.663	0.	227,933	-206,933	50.000
48,000	1200.000	723.965	0.261	0.533	0.	232,374	-211,374	50.000
48,000	1550.000	724.413	0.448	0.458	0.	240,010	-219,010	50.000
48,800	580.000	723.098	0.	0.645	0.	201,740	0.	80.000
48,800	1020.000	723.811	0.713	0.106	0.	224,702	-22,982	80.000
48,800	1200.000	724.076	0.266	0.111	0.	229,101	-27,451	80.000
48,800	1550.000	724.532	0.456	0.119	0.	236,907	-35,167	80.000
56,500	510.000	724.000	0.	1.307	0.	34,261	0.	870.000
56,500	900.000	725.510	1.066	1.700	0.	38,689	-4,428	870.000
56,500	1050.000	725.824	0.313	1.748	0.	40,163	-5,902	870.000
56,500	1350.000	726.332	0.508	1.800	0.	45,216	-10,955	870.000
57,000	510.000	724.612	0.	0.167	0.	34,955	0.	50.000
57,000	900.000	725.768	1.156	0.257	0.	39,750	-4,795	50.000
57,000	1050.000	726.112	0.345	0.288	0.	43,004	-8,009	50.000
57,000	1350.000	726.693	0.581	0.361	0.	48,810	-13,859	50.000
58,000	510.000	724.604	0.	0.032	0.	29,514	0.	100.000
58,000	900.000	727.957	3.313	2.189	0.	35,000	-5,486	100.000
58,000	1050.000	729.242	1.285	3.130	0.	35,000	-5,486	100.000
58,000	1350.000	731.090	1.808	4.396	0.	228,918	-199,404	100.000
58,500	510.000	725.099	0.	0.455	0.	31,807	0.	50.000
58,500	900.000	728.246	3.147	0.289	0.	175,416	-143,609	50.000
58,500	1050.000	729.529	1.283	0.227	0.	199,839	-168,032	50.000
58,500	1350.000	731.099	1.571	0.010	0.	229,033	-197,226	50.000
65,000	490.000	728.854	0.	3.755	0.	39,971	0.	650.000
65,000	650.000	728.893	0.038	0.647	0.	40,907	-0,976	650.000
65,000	1010.000	730.373	1.481	0.805	0.	76,684	-36,713	650.000
65,000	1300.000	731.204	0.831	0.105	0.	96,724	-56,753	650.000
65,600	490.000	729.469	0.	0.614	0.	13,000	0.	50.000
65,600	650.000	730.107	0.639	1.215	0.	13,000	0.	60.000
65,600	1010.000	730.567	0.459	0.193	0.	13,000	0.	60.000
65,600	1300.000	731.107	0.501	-0.097	0.	13,000	0.	60.000
65,300	490.000	730.004	0.	0.626	0.	13,000	0.	70.000
65,300	650.000	735.594	5.500	5.487	0.	227,921	-214,921	70.000
65,300	1010.000	736.196	0.602	5.629	0.	234,610	-221,610	70.000
65,300	1300.000	736.502	0.346	5.435	0.	238,745	-225,745	70.000
67,000	490.000	732.032	0.	1.938	0.	71,605	0.	70.000
67,000	650.000	735.581	3.509	-0.013	0.	266,240	-144,635	70.000
67,000	1010.000	736.182	0.601	-0.014	0.	308,856	-237,252	70.000
67,000	1300.000	736.528	0.307	-0.014	0.	333,515	-241,909	70.000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENC

TARGET TOP WIDTH TOP WIDTH  
AREA-ACHES AREA-DIFF

1 0. 0. 16,446 0.

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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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PROFILE PLOTTED  
5-6-76 BY  
S.P. FLETCHER

2nd Part of  
Avon  
CREEK

T1 GASTONIA N C  
T2 FLOOD INSURANCE  
T3 AVON CREEK 10-YR Q

J1 ICHECK INQ NINV IDTR SIRT METRIC HVINS Q WSEL FQ  
-1. 2. 0 0 0 0 -1.0 0 755.800 0

J2 NPROF IPLQT PRFVS XSECV XSECH FN ALLDC IRW CHNIM ITRACE  
1.000 0 -1.000 -0 -0 -0 -0 -0 -0 -0 -0

NC .020 .015 .020 -0 -0 -0 -0 -0 -0 -0 -0  
QT 5.000 410.000 710.000 830.000 830.000 1080.000 -0 -0 -0 -0 -0

X1 82.400 12.000 132.000 163.000 -0 -0 -0 -0 -0 -0 -0  
GR 754.800 0 754.800 100.000 753.400 132.000 740.100 147.000 739.900 150.000  
GR 740.000 153.000 748.700 163.000 751.800 200.000 752.200 250.000 756.200 300.000  
GR 760.000 420.000 762.700 600.000 -0 -0 -0 -0 -0 -0 -0

X1 90.000 15.000 182.000 221.000 760.000 760.000 760.000 -0 -0 -0 -0  
GR 785.000 0 780.000 30.000 775.000 70.000 771.700 100.000 762.900 120.000  
GR 760.300 150.000 758.000 182.000 750.700 193.000 750.600 200.000 750.800 207.000  
GR 756.800 221.000 758.900 250.000 766.000 300.000 775.000 400.000 785.000 410.000

X1 90.200 -0 -0 -0 20.000 20.000 20.000 -0 -0 -0 -0  
X3 10.000 -0 -0 -0 -0 -0 -0 -0 756.300 756.300 -0  
SB 0 1.500 2.500 0 5.000 0 19.600 0 754.700 751.400

X1 91.300 19.000 197.500 202.500 110.000 110.000 110.000 -0 -0 -0 -0  
Y2 -0 -0 1.000 752.600 775.900 -0 -0 -0 -0 -0 -0  
X3 10.000 -0 -0 -0 -0 -0 -0 774.900 776.900 -0 -0  
BT 14.000 0 786.700 -0 100.000 777.700 -0 150.000 776.400 -0 -0  
BT 190.000 776.000 -0 197.500 776.900 757.100 198.200 776.900 758.900 200.000  
BT 776.900 759.600 201.800 776.900 758.900 202.500 776.900 757.100 210.000 775.900  
BT -0 250.000 776.200 -0 300.000 777.400 -0 350.000 779.700 -0 -0  
BT 450.000 786.700 -0 -0 -0 -0 -0 -0 -0 -0 -0  
GR 785.000 0 780.000 30.000 775.000 70.000 771.700 100.000 762.900 120.000  
GR 760.300 150.000 758.000 182.000 750.700 193.000 757.100 197.500 755.300 198.200  
GR 754.600 200.000 755.300 201.800 757.100 202.500 750.800 207.000 756.800 221.000  
GR 758.900 250.000 766.000 300.000 775.000 400.000 785.000 510.000 -0 -0

X1 91.600 16.000 195.000 224.000 30.000 30.000 30.000 -0 -0 -0 -0  
GR 785.000 0 780.000 50.000 775.000 70.000 769.500 100.000 761.800 120.000  
GR 760.700 150.000 759.900 195.000 756.900 198.000 756.800 200.000 757.700 202.000  
GR 777.700 226.000 777.900 250.000 778.900 300.000 781.000 350.000 785.200 400.000  
GR 789.300 450.000 -0 -0 -0 -0 -0 -0 -0 -0 -0  
QT 5.000 320.000 590.000 675.000 675.000 875.000 -0 -0 -0 -0 -0

X1 95.400 20.000 292.000 309.000 360.000 360.000 360.000 -0 -0 -0 -0  
GR 790.000 0 786.000 100.000 785.400 150.000 784.700 200.000 783.500 218.000  
GR 779.600 222.000 775.200 250.000 764.700 292.000 760.000 298.000 760.000 300.000  
GR 760.100 302.000 763.200 309.000 763.800 314.000 769.400 324.000 765.100 350.000





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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 100-YR Q

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	4.	0	0	0	0	0	0	756.200	=0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0



(34" for PART. I)  $v_{30}^{1.0} + 1.0$   
 82+40  
 18+70

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

AVON CREEK 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	TOPWTD	10K*8	TIME	VOL
82.40		0	0	739.90	410.00	755.80	0	755.80	295.00	.03	0	0
82.40		0	0	739.90	710.00	756.82	0	756.83	310.58	.04	0	0
82.40		0	0	739.90	830.00	756.20	0	756.21	300.00	.09	0	0
82.40		0	0	739.90	1080.00	756.60	0	756.62	312.43	.12	0	0
90.00	760.00	0	0	750.60	410.00	755.61	0	755.81	32.63	4.83	.06	9.51
90.00	760.00	0	0	750.60	710.00	756.46	0	756.84	35.89	7.77	.04	12.48
90.00	760.00	0	0	750.60	830.00	755.18	0	756.24	30.97	28.19	.03	10.43
90.00	760.00	0	0	750.60	1080.00	755.29	755.29	756.96	31.41	43.31	.02	11.53
90.20	20.00	0	0	750.60	410.00	755.62	0	755.82	35.65	4.81	.06	9.56
90.20	20.00	0	0	750.60	710.00	756.47	0	756.85	35.92	7.73	.04	12.54
90.20	20.00	0	0	750.60	830.00	755.32	0	756.20	31.51	25.06	.03	10.48
90.20	20.00	0	0	750.60	1080.00	755.75	0	757.04	33.12	30.34	.02	11.58
91.30	110.00	776.90	759.60	754.60	410.00	764.61	0	765.81	5.00	31.41	.06	9.77
91.30	110.00	776.90	759.60	754.60	710.00	776.07	0	776.80	5.00	13.75	.05	12.86
91.30	110.00	776.90	759.60	754.60	830.00	777.05	0	777.05	368.91	.00	.18	15.93
91.30	110.00	776.90	759.60	754.60	1080.00	777.49	0	777.49	377.35	.00	.14	17.26
91.60	30.00	0	0	756.80	410.00	765.80	0	765.81	100.21	.15	.07	9.95
91.60	30.00	0	0	756.80	710.00	776.80	0	776.80	162.10	.01	.07	13.55
91.60	30.00	0	0	756.80	830.00	777.05	0	777.05	163.39	.01	.20	18.05
91.60	30.00	0	0	756.80	1080.00	777.49	0	777.49	165.70	.02	.16	19.47
95.40	380.00	0	0	760.00	320.00	765.61	0	765.83	38.29	5.02	.10	12.66
95.40	380.00	0	0	760.00	590.00	776.80	0	776.80	208.87	.01	.36	29.05
95.40	380.00	0	0	760.00	675.00	777.05	0	777.05	210.29	.01	.46	33.96
95.40	380.00	0	0	760.00	875.00	777.49	0	777.49	242.01	.01	.37	36.13
95.60	20.00	0	0	760.00	320.00	765.40	0	765.60	17.00	7.87	.10	12.40
95.60	20.00	0	0	760.00	590.00	776.80	0	776.80	208.87	.01	.37	29.81
95.60	20.00	0	0	760.00	675.00	777.05	0	777.05	214.29	.01	.47	34.74
95.60	20.00	0	0	760.00	875.00	777.49	0	777.49	242.01	.01	.38	36.96
97.60	200.00	787.40	768.10	766.90	320.00	779.88	0	780.52	4.00	17.34	.11	12.76
97.60	200.00	787.40	768.10	766.90	590.00	785.14	0	785.22	4.00	26.81	.38	33.74
97.60	200.00	787.40	768.10	766.90	675.00	784.88	0	786.33	4.00	36.34	.48	38.80
97.60	200.00	787.40	768.10	766.90	875.00	783.74	0	786.55	4.00	70.95	.39	41.24
97.90	30.00	0	0	767.30	295.00	780.52	0	780.52	88.20	.13	.13	13.04
97.90	30.00	0	0	767.30	560.00	786.22	0	786.22	161.10	.09	.40	34.27
97.90	30.00	0	0	767.30	655.00	786.33	0	786.33	162.07	.12	.50	39.33
97.90	30.00	0	0	767.30	845.00	786.55	0	786.55	164.01	.18	.40	41.78
98.20	30.00	0	0	767.30	295.00	780.52	0	780.52	88.20	.13	.15	13.56
98.20	30.00	0	0	767.30	560.00	786.22	0	786.22	161.10	.09	.42	35.28
98.20	30.00	0	0	767.30	655.00	786.33	0	786.33	162.08	.12	.51	40.35
98.20	30.00	0	0	767.30	845.00	786.55	0	786.55	164.02	.18	.42	42.82

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPWS	EA	TOPWID	10K*	TIME	VOL
101.10	290.00	0	0	769.30	295.00	780.52	0	780.52	190.08	.15	.41	19.19
101.10	290.00	0	0	749.30	560.00	786.22	0	786.22	422.54	.04	.82	49.25
101.10	290.00	0	0	769.30	655.00	786.33	0	786.33	426.39	.05	.86	54.57
101.10	290.00	0	0	769.30	845.00	786.55	0	786.55	434.04	.08	.89	57.44

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL - CWSELK	TOPWID	T.W. DIFF	LENGTH
82.400	410.000	755.800	0	0	0	295.000	0	-0
82.400	710.000	756.820	1.020	0	0	319.570	-24.579	-0
82.400	830.000	756.200	-.620	0	0	300.000	-5.000	-0
82.400	1080.000	756.600	.400	0	0	312.632	-17.632	-0
90.000	410.000	755.611	0	-.180	0	32.620	0	760.000
90.000	710.000	756.457	.845	-.363	0	35.888	-3.259	760.000
90.000	830.000	755.177	-1.279	-1.023	0	30.967	1.662	760.000
90.000	1080.000	755.295	.117	-1.305	0	31.411	1.218	760.000
90.200	410.000	755.621	0	.010	0	32.648	0	20.000
90.200	710.000	756.474	.852	.017	0	35.918	-3.271	20.000
90.200	830.000	755.317	-1.157	.139	0	31.505	1.143	20.000
90.200	1080.000	755.746	.430	.452	0	33.118	-.471	20.000
91.300	410.000	764.600	0	6.987	0	5.000	0	110.000
91.300	710.000	776.072	11.464	19.599	0	5.000	0	110.000
91.300	830.000	777.047	.975	21.731	0	368.910	-368.910	110.000
91.300	1080.000	777.491	.444	21.745	0	377.352	-377.352	110.000
91.600	410.000	765.804	0	1.195	0	100.209	0	30.000
91.600	710.000	776.793	10.989	.723	0	162.098	-61.889	30.000
91.600	830.000	777.045	.246	-.002	0	163.394	-63.186	30.000
91.600	1080.000	777.488	.443	-.004	0	165.696	-65.487	30.000
95.400	525.000	765.608	0	-.198	0	38.290	0	380.000
95.400	590.000	776.798	11.188	.000	0	208.866	-170.576	380.000
95.400	675.000	777.046	.250	.001	0	214.289	-175.998	380.000
95.400	875.000	777.489	.443	.001	0	242.011	-203.720	380.000
95.600	320.000	765.494	0	-.113	0	17.000	0	20.000
95.600	590.000	776.798	11.302	.000	0	208.867	-191.867	20.000
95.600	675.000	777.046	.250	.000	0	214.290	-197.290	20.000
95.600	875.000	777.489	.443	.000	0	242.013	-225.013	20.000
97.600	320.000	779.878	0	14.351	0	4.000	0	200.000
97.600	590.000	785.143	5.267	8.347	0	4.000	0	200.000
97.600	675.000	784.878	-.267	7.831	0	4.000	0	200.000
97.600	875.000	783.764	-1.112	6.275	0	4.000	0	200.000
97.900	295.000	780.517	0	.541	0	88.194	0	30.000
97.900	560.000	786.218	5.702	1.075	0	161.090	-72.903	30.000
97.900	655.000	786.328	.110	1.452	0	162.074	-73.878	30.000
97.900	845.000	786.546	.218	2.782	0	164.010	-75.818	30.000
98.200	295.000	780.517	0	.000	0	85.198	0	30.000
98.200	560.000	786.219	5.702	.000	0	161.101	-72.903	30.000
98.200	655.000	786.328	.110	.000	0	162.077	-73.878	30.000
98.200	845.000	786.546	.218	.001	0	164.015	-75.818	30.000
101.100	295.000	780.522	0	.005	0	190.076	0	290.000
101.100	560.000	786.227	5.700	.003	0	422.540	-223.464	290.000
101.100	655.000	786.333	.111	.004	0	426.380	-227.314	290.000

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 HEC2 VERSION UPDATED JAN 197A  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 //GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 10-YR G TRIB. C-3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	WVINS	D	WSEL	FD
	-0	2.	-0	-0	-0	-0	-0	-0	430,100	-0
J2	NPROF	TPL0T	PRFVS	YSECV	YSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.080	.080	.065	.100	.300	-0	-0	-0	-0	-0
QT	5,000	570,000	1000,000	1170,000	1170,000	1510,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	-0	8,400	-0	-0	-0	-0
X1	3,000	17,000	382,000	415,000	-0	-0	-0	-0	-0	-0
GR	650,000	0	643,400	100,000	643,700	150,000	644,700	200,000	647,800	218,000
GR	648,300	250,000	647,600	300,000	642,700	350,000	640,200	382,000	634,400	394,000
GR	634,000	400,000	634,700	406,000	642,900	415,000	641,700	450,000	642,500	500,000
GR	642,100	523,000	670,000	550,000	-0	-0	-0	-0	-0	-0
X1	6,000	0	0	0	300,000	300,000	300,000	300,000	2,500	-0
X1	9,000	14,000	141,000	158,000	300,000	300,000	300,000	-0	-0	-0
GR	659,700	0	658,200	50,000	655,300	100,000	644,800	124,000	642,900	141,000
GR	639,200	146,000	639,100	150,000	639,200	150,000	647,000	158,000	645,500	200,000
GR	645,800	250,000	650,400	300,000	654,400	350,000	659,200	400,000	-0	-0
X1	13,300	0	0	0	430,000	430,000	430,000	-0	3,300	-0
X1	17,600	0	0	0	430,000	430,000	430,000	-0	3,300	-0
X1	22,000	11,000	240,000	261,000	440,000	440,000	440,000	-0	-0	-0
GR	670,700	0	664,800	50,000	662,400	100,000	659,700	150,000	656,000	200,000
GR	652,700	240,000	640,600	242,000	640,400	250,000	649,500	258,000	654,200	261,000
GR	670,900	300,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	27,000	0	0	0	500,000	500,000	500,000	-0	5,100	-0
X1	32,000	0	0	0	500,000	500,000	500,000	-0	5,100	-0
X1	37,000	12,000	139,000	158,000	500,000	500,000	500,000	-0	-0	-0
GR	688,700	0	672,100	20,000	670,800	50,000	670,900	100,000	670,000	139,000
GR	664,800	147,000	664,300	150,000	664,600	153,000	670,300	158,000	672,100	200,000
GR	679,500	250,000	690,500	300,000	-0	-0	-0	-0	-0	-0
QT	5,000	430,000	770,000	900,000	900,000	1150,000	-0	-0	-0	-0
X1	43,000	13,000	244,000	256,000	600,000	600,000	600,000	-0	-0	-0
GR	705,000	0	700,000	80,000	693,700	100,000	689,200	150,000	685,000	200,000
GR	684,100	244,000	679,100	246,000	678,500	250,000	678,900	254,000	682,900	256,000
GR	686,500	300,000	695,400	350,000	700,000	370,000	-0	-0	-0	-0

X1	47,500	0	0	0	430,000	430,000	430,000	-0	4,300	-0
QT	5,000	350,000	620,000	725,000	725,000	940,000	-0	-0	-0	-0
X1	51,600	0	0	0	430,000	430,000	430,000	-0	4,300	-0
X1	56,000	14,000	239,000	256,000	440,000	440,000	440,000	-0	-0	-0
GR	710,000	0	706,900	80,000	706,900	100,000	696,300	150,000	695,700	200,000
GR	696,200	239,000	691,400	248,000	691,300	250,000	691,400	252,000	695,900	256,000
GR	696,800	300,000	701,700	350,000	708,100	400,000	710,000	430,000	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12878







SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500-YR Q TRIB. C-

SECTION NUMBER	CHANNEL LENGTH	MIN EL. OF ROADWAY	MAY EL. OF LOW CHORD	MIN EL. OF GROUND	DISCHARGE (CFS)	CHSEL	CPIWS	EG	TOPWTD	10K+S	TIME	VOL
3.00		-0	0	634.00	570.00	639.10	0	639.73	25.64	171.02	0	0
3.00		-0	0	634.00	1000.00	642.20	0	642.60	107.49	65.93	0	0
3.00		-0	0	634.00	1170.00	643.40	0	643.63	181.40	32.80	0	0
3.00		-0	0	634.00	1510.00	645.20	0	645.20	331.69	10.91	0	0
6.00	300.00		0	636.50	570.00	639.80	0	639.80	6080.93	.01	2.10	49.73
6.00	300.00		0	636.50	1000.00	642.60	0	642.60	8654.37	.00	2.97	123.33
6.00	300.00		0	636.50	1170.00	643.65	0	643.65	11099.71	.00	3.17	155.34
6.00	300.00		0	636.50	1510.00	645.20	0	645.20	51319.64	.00	3.91	309.15
9.00	300.00		0	639.10	570.00	643.80	643.80	645.32	23.88	457.12	2.11	99.35
9.00	300.00		0	639.10	1000.00	645.52	645.52	646.97	40.12	325.82	2.98	246.33
9.00	300.00		0	639.10	1170.00	646.34	646.34	647.20	117.62	207.61	3.18	309.93
9.00	300.00		0	639.10	1510.00	646.83	646.83	647.77	137.75	208.94	3.92	616.05
13.30	430.00		0	642.40	570.00	649.73	0	649.94	121.21	45.07	2.14	100.64
13.30	430.00		0	642.40	1000.00	650.85	0	651.04	152.11	42.53	3.01	208.67
13.30	430.00		0	642.40	1170.00	651.01	0	651.20	154.09	50.00	3.21	312.76
13.30	430.00		0	642.40	1510.00	651.52	0	651.76	160.92	50.90	3.95	619.50
17.60	430.00		0	645.70	570.00	652.20	0	652.70	71.13	93.36	2.16	102.20
17.60	430.00		0	645.70	1000.00	653.35	0	653.70	134.48	99.45	3.04	251.64
17.60	430.00		0	645.70	1170.00	653.72	0	654.13	146.51	91.51	3.23	316.11
17.60	430.00		0	645.70	1510.00	654.20	0	654.64	153.28	88.58	3.97	623.73
22.00	440.00		0	649.40	570.00	655.30	0	655.60	56.23	49.94	2.19	103.67
22.00	440.00		0	649.40	1000.00	656.67	0	657.04	75.88	56.55	3.06	254.00
22.00	440.00		0	649.40	1170.00	656.90	0	657.40	80.99	61.43	3.26	318.96
22.00	440.00		0	649.40	1510.00	657.50	0	658.07	90.26	67.92	4.00	627.23
27.00	500.00		0	654.50	570.00	659.17	0	659.70	37.48	151.79	2.22	105.13
27.00	500.00		0	654.50	1000.00	660.61	0	661.37	50.09	138.80	3.08	256.44
27.00	500.00		0	654.50	1170.00	661.00	0	661.87	64.87	132.81	3.28	321.62
27.00	500.00		0	654.50	1510.00	661.83	0	662.64	76.84	123.25	4.02	630.40
32.00	500.00		0	659.60	570.00	664.90	0	665.30	47.01	84.27	2.24	106.41
32.00	500.00		0	659.60	1000.00	666.31	0	666.80	66.88	87.50	3.11	258.56
32.00	500.00		0	659.60	1170.00	666.70	0	667.20	73.03	88.59	3.30	324.06
32.00	500.00		0	659.60	1510.00	667.33	0	667.90	83.15	92.47	4.04	633.52
37.00	500.00		0	664.30	570.00	670.60	0	671.42	50.86	102.67	2.26	107.66
37.00	500.00		0	664.30	1000.00	671.75	0	672.30	163.63	141.44	3.13	261.05
37.00	500.00		0	664.30	1170.00	672.00	0	672.50	177.16	130.46	3.33	326.90
37.00	500.00		0	664.30	1510.00	672.55	0	673.01	183.45	109.82	4.07	637.27
43.00	600.00		0	678.50	430.00	683.80	682.89	684.80	23.95	300.80	2.29	108.60
43.00	600.00		0	678.50	770.00	685.30	685.39	686.17	91.19	204.57	3.16	263.64
43.00	600.00		0	678.50	900.00	685.63	685.63	686.43	90.81	211.20	3.35	330.07
43.00	600.00		0	678.50	1150.00	685.90	685.98	686.80	105.27	228.82	4.09	641.25

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	HAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWD	TOWS	TIME	VOL
47.30	430.00	0	0	682.80	430.00	689.73	0	689.94	91.98	61.31	2.32	109.70
47.30	430.00	0	0	682.80	770.00	690.65	0	690.91	114.30	67.57	3.19	265.56
47.30	430.00	0	0	682.80	900.00	690.90	0	691.20	120.37	67.12	3.39	332.27
47.30	430.00	0	0	682.80	1150.00	691.43	0	691.60	128.93	65.68	4.12	643.93
51.60	430.00	0	0	687.10	350.00	693.05	0	693.40	48.33	120.50	2.34	110.81
51.60	430.00	0	0	687.10	620.00	694.13	0	694.56	90.41	112.86	3.21	267.55
51.60	430.00	0	0	687.10	725.00	694.40	0	694.82	100.92	112.05	3.41	334.56
51.60	430.00	0	0	687.10	900.00	694.85	0	695.28	111.84	112.60	4.15	646.75
56.00	440.00	0	0	691.30	350.00	696.86	0	697.00	153.38	55.92	2.39	112.03
56.00	440.00	0	0	691.30	620.00	697.57	0	697.70	163.91	48.52	3.26	269.75
56.00	440.00	0	0	691.30	725.00	697.70	0	697.92	167.16	47.57	3.46	337.07
56.00	440.00	0	0	691.30	900.00	698.19	0	698.32	173.16	46.01	4.19	649.85

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF FACH Q	CWSEL DIFF FACH SECTION	CWSEL-WSELK	TOPWD	T.W. DIFF	LENGTH
3.000	570.000	639.100	0	0	0	25.642	0	0
3.000	1000.000	642.200	3.100	0	0	107.491	-81.840	0
3.000	1170.000	643.400	1.200	0	0	181.401	-155.759	0
3.000	1510.000	645.200	1.800	0	0	331.688	-206.044	0
6.000	570.000	639.798	0	.698	0	6080.835	0	300.000
6.000	1000.000	642.681	2.883	.481	0	8656.373	-2571.538	300.000
6.000	1170.000	643.651	.971	.251	0	11099.706	-5614.872	300.000
6.000	1510.000	645.285	1.634	.085	0	51319.638	-45230.804	300.000
9.000	570.000	643.799	0	4.001	0	23.874	0	300.000
9.000	1000.000	645.522	1.723	2.841	0	40.124	-16.247	300.000
9.000	1170.000	646.345	.823	2.693	0	117.620	-93.744	300.000
9.000	1510.000	646.820	.480	1.500	0	137.752	-113.876	300.000
13.300	570.000	649.730	0	5.931	0	121.206	0	430.000
13.300	1000.000	650.850	1.120	5.328	0	152.111	-30.905	430.000
13.300	1170.000	651.007	.157	4.662	0	150.090	-32.888	430.000
13.300	1510.000	651.520	.513	4.691	0	160.922	-39.715	430.000
17.600	570.000	652.277	0	2.547	0	71.126	0	430.000
17.600	1000.000	653.346	1.069	2.494	0	134.480	-63.358	430.000
17.600	1170.000	653.724	.378	2.717	0	146.507	-75.381	430.000
17.600	1510.000	654.230	.515	2.710	0	153.280	-82.150	430.000
22.000	570.000	655.379	0	3.102	0	56.231	0	440.000
22.000	1000.000	656.673	1.294	3.327	0	75.876	-19.645	440.000
22.000	1170.000	656.880	.318	3.265	0	80.892	-24.661	440.000
22.000	1510.000	657.581	.591	3.342	0	90.250	-34.028	440.000
27.000	570.000	659.170	0	3.791	0	37.481	0	500.000
27.000	1000.000	660.610	1.440	3.937	0	58.091	-20.610	500.000
27.000	1170.000	661.081	.471	4.091	0	64.873	-27.392	500.000
27.000	1510.000	661.834	.753	4.253	0	76.840	-39.358	500.000
32.000	570.000	664.941	0	5.771	0	47.011	0	500.000
32.000	1000.000	666.311	1.369	5.701	0	66.870	-19.867	500.000
32.000	1170.000	666.697	.386	5.616	0	73.031	-26.020	500.000
32.000	1510.000	667.334	.636	5.499	0	83.150	-36.139	500.000
37.000	570.000	670.675	0	5.734	0	56.862	0	500.000
37.000	1000.000	671.747	1.072	5.436	0	163.629	-106.767	500.000
37.000	1170.000	672.038	.290	5.341	0	177.160	-120.298	500.000

12890

43.000	430.000	683.885	0	13.210	0	23.951	0	600.000
43.000	770.000	685.395	1.510	13.647	0	91.188	-67.237	600.000
43.000	900.000	685.628	.233	13.590	0	96.807	-72.856	600.000
43.000	1150.000	685.978	.351	13.426	0	105.267	-81.316	600.000
47.300	430.000	689.726	0	5.841	0	91.981	0	430.000
47.300	770.000	690.654	.927	5.259	0	114.303	-22.323	430.000
47.300	900.000	690.944	.290	5.316	0	120.371	-28.390	430.000
47.300	1150.000	691.431	.488	5.453	0	128.930	-36.949	430.000
51.600	350.000	693.054	0	3.327	0	48.327	0	430.000
51.600	620.000	694.128	1.075	3.475	0	94.415	-46.088	430.000
51.600	725.000	694.398	.270	3.454	0	100.910	-52.592	430.000
51.600	940.000	694.851	.453	3.420	0	111.836	-63.509	430.000
56.000	350.000	696.864	0	3.810	0	153.385	0	440.000
56.000	620.000	697.575	.711	3.446	0	163.914	-10.529	440.000
56.000	725.000	697.792	.217	3.394	0	167.159	-13.774	440.000
56.000	940.000	698.187	.395	3.336	0	173.161	-19.776	440.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	48.845	0
2	0	0	71.464	22.619
3	0	0	89.916	41.071
4	0	0	368.094	319.650



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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C=4 50-YR Q

J1	ICHECK	IND	NINV	IDIR	STPT	METRIC	HVINS	D	WSEL	FD
	0	3.	0	0	0	0	0	0	446.300	-0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

8





SUMMARY PRINTOUT FOR MULTIPLE PROFILES

LTH. = 1500'

673.0  
647.0  
26.0

TRIB C-4 500-YR Q

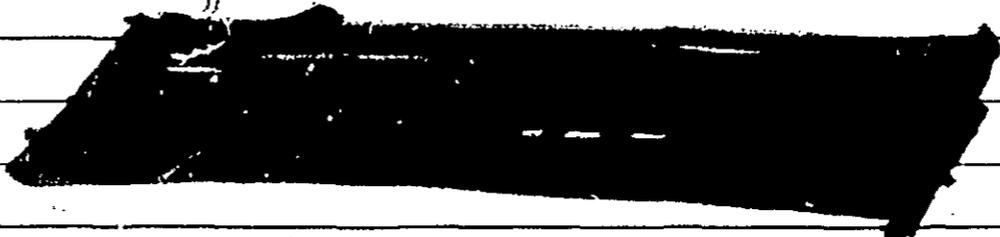
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MTN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EG	TOPWTD	10YRS	TIME	VOL	
5.00		-0	0	0	647.00	410.00	648.55	648.55	648.95	100.69	1145.78	0	0
5.00		-0	0	0	647.00	730.00	648.94	648.94	649.48	115.52	1027.25	0	0
5.00		-0	0	0	647.00	850.00	649.06	649.06	649.65	120.07	1011.56	0	0
5.00		-0	0	0	647.00	1100.00	650.00	0	650.27	140.02	252.14	0	0
10.00	500.00		0	0	653.70	410.00	656.44	0	656.40	142.04	55.89	.08	1.77
10.00	500.00		0	0	653.70	730.00	657.12	0	657.20	147.16	58.84	.06	2.58
10.00	500.00		0	0	653.70	850.00	657.32	0	657.41	148.80	59.52	.06	2.85
10.00	500.00		0	0	653.70	1100.00	657.38	0	657.53	140.15	93.92	.05	3.61
15.00	500.00		0	0	660.40	410.00	662.26	0	662.46	112.70	400.24	.12	3.73
15.00	500.00		0	0	660.40	730.00	662.82	0	663.07	133.76	330.34	.10	5.50
15.00	500.00		0	0	660.40	850.00	662.99	0	663.24	140.79	316.34	.09	6.09
15.00	500.00		0	0	660.40	1100.00	663.63	0	663.84	145.69	177.53	.08	7.41
20.00	500.00		0	0	666.70	410.00	671.69	0	671.95	34.88	110.09	.15	5.00
20.00	500.00		0	0	666.70	730.00	672.81	0	673.24	46.26	136.53	.12	7.43
20.00	500.00		0	0	666.70	850.00	673.13	0	673.61	40.01	144.48	.12	8.24
20.00	500.00		0	0	666.70	1100.00	673.23	0	674.00	40.76	226.47	.10	10.11

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWTD	T.W. DIFF	LENGTH
5.000	410.000	648.546	0	0	0	100.692	0	500.000
5.000	730.000	648.943	.397	0	0	115.516	-14.824	500.000
5.000	850.000	649.065	.122	0	0	120.071	-19.379	500.000
5.000	1100.000	650.000	.935	0	0	140.024	-43.332	500.000
10.000	410.000	656.438	0	7.892	0	142.037	0	500.000
10.000	730.000	657.116	.678	8.173	0	147.154	-5.119	500.000
10.000	850.000	657.325	.208	8.260	0	148.797	-6.760	500.000
10.000	1100.000	657.383	.058	7.383	0	140.145	-7.108	500.000
15.000	410.000	662.259	0	5.821	0	112.698	0	500.000
15.000	730.000	662.820	.561	5.703	0	133.760	-21.062	500.000
15.000	850.000	662.994	.174	5.669	0	140.791	-28.093	500.000
15.000	1100.000	663.628	.634	6.245	0	145.688	-32.990	500.000
20.000	410.000	671.686	0	9.427	0	34.881	0	500.000
20.000	730.000	672.810	1.125	9.991	0	46.264	-9.382	500.000
20.000	850.000	673.130	.320	10.134	0	40.011	-12.130	500.000
20.000	1100.000	673.230	.100	9.602	0	40.765	-12.884	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3.714	0
2	0	0	4.153	.439
3	0	0	4.294	.581
4	0	0	4.496	.783

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C=5 10-YR W

J1	ICHECK	INO	NINV	IDIR	STPT	METRIC	MVINS	D	WSEL	EQ
	0	2	-0	-0	-0	-0	-0	-0	648.700	-0
J2	NPI/OF	TPLOT	PREFS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.090	.090	.090	.100	.300	-0	-0	-0	-0	-0
GT	5.000	410.000	730.000	850.000	850.000	1100.000	-0	-0	-0	-0
X1	3.700	14.000	139.000	163.000	0	0	0	0	-0	-0
GR	666.800	0	663.800	42.000	662.100	50.000	660.500	52.000	655.700	100.000
GR	654.200	139.000	648.800	145.000	648.200	150.000	648.400	152.000	653.100	163.000
GR	653.400	200.000	654.700	250.000	659.600	300.000	663.500	350.000	-0	-0
X1	3.850	-0	-0	-0	15.000	15.000	15.000	-0	.300	-0
X3	10.000	-0	-0	-0	-0	-0	-0	652.400	652.400	-0
NC	.020	.015	.020	-0	-0	-0	-0	-0	-0	-0
X1	3.900	10.000	148.000	152.000	15.000	15.000	15.000	-0	-0	-0
BT	8.000	0	666.000	-0	100.000	657.600	-0	148.000	654.700	650.500
BT	148.600	654.700	651.900	150.000	654.700	652.400	151.400	650.700	651.900	152.000
BT	654.700	650.500	350.000	664.200	0	-0	-0	-0	-0	-0
GR	665.400	0	658.000	100.000	654.700	148.000	650.500	148.000	649.100	148.600
GR	648.500	150.000	640.100	151.400	650.500	152.000	654.700	152.000	664.200	350.000
X1	4.150	-0	-0	-0	35.000	35.000	35.000	-0	-0	-0
X2	-0	-0	-0	-0	-0	-0	1.000	-0	-0	-0
NC	.090	.090	.090	-0	-0	-0	-0	-0	-0	-0
X1	4.400	10.000	141.000	155.000	25.000	25.000	25.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	650.700	654.700	-0
GR	665.400	0	661.600	50.000	658.000	100.000	654.800	141.000	648.700	148.000
GR	648.600	150.000	650.100	151.000	652.100	155.000	653.400	200.000	664.100	350.000
X1	8.000	20.000	247.000	254.000	360.000	360.000	360.000	-0	-0	-0
GR	670.000	0	661.600	100.000	658.500	150.000	656.200	200.000	652.800	201.000
GR	653.100	202.000	653.000	204.000	656.300	206.000	656.600	247.000	653.500	248.000
GR	653.400	250.000	653.500	252.000	657.400	254.000	657.300	300.000	657.000	313.000
GR	660.300	325.000	660.700	350.000	660.700	400.000	665.000	450.000	670.000	500.000
X1	12.200	0	0	0	420.000	420.000	420.000	-0	5.300	-0
X1	16.400	0	0	0	420.000	420.000	420.000	-0	5.300	-0
X1	20.600	0	0	0	420.000	420.000	420.000	-0	5.300	-0
X1	24.800	0	0	0	420.000	420.000	420.000	-0	5.300	-0

X1	29,000	13,000	93,000	110,000	420,000	420,000	420,000	-0	-0	-0
GR	702,000	0	701,200	6,000	684,700	50,000	685,500	93,000	680,500	97,000
GR	679,800	100,000	679,900	104,000	685,300	110,000	687,300	150,000	694,100	700,000
GR	694,700	212,000	701,900	221,000	706,700	250,000	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12559

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 MEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2  
 T3 50-YR 0

J1	ICHECK	IND	NINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-0	3.	-0	-0	-0	-0	-0	-0	651,800	-0
J2	NPROF	TPLT	PREVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	TTTRACE
	2,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12563  
 12561  
 C C

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1  
 T2  
 T3 100-YR Q

J1	TCHECK	JND	NINVS	TDIR	STRT	METRIC	HVINS	D	WSEL	FQ
	-0	4.	-0	-0	-0	-0	-0	-0	453.100	-0
J2	NPROF	TRICT	PPFVS	XSFCV	XSECH	FN	ALLOC	IRW	CHNIM	TTRACE
	3.000	-	-0	-0	-0	-0	-0	-0	-0	-0

12583

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 MEC2 VERSION UPDATED JAN 197A  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1  
 T2  
 T3 500-YP 0

J1	ICHECK	IND	NJNV	TOIR	STRT	METRIC	HVINS	0	WSEL	FG
	-0	6.	-0	-0	-0	-0	-0	-0	655.800	-0
J2	NPROF	TPL0T	PRFV5	XSECV	XSECH	FN	ALLOc	IRW	CHNTM	TTRACE
	15.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

12565

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

00-YR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPWS	EC	TDPWD	10K*5	TIME	VOL	
3.70		0	0	0	648.20	410.00	651.77	651.77	653.00	1A.76	1004.89	0	0
3.70		0	0	0	648.20	730.00	652.95	652.95	654.63	22.32	1004.77	0	0
3.70		0	0	0	648.20	850.00	654.00	654.00	654.91	83.75	445.4A	0	0
3.70		0	0	0	648.20	1100.00	655.80	0	656.00	162.22	80.40	0	0
3.85	15.00	0	0	0	648.50	410.00	653.32	0	653.83	22.53	298.23	.00	.02
3.85	15.00	0	0	0	648.50	730.00	654.90	0	655.24	117.80	153.71	.00	.04
3.85	15.00	0	0	0	648.50	850.00	654.95	0	655.3A	120.72	196.81	.00	.06
3.85	15.00	0	0	0	648.50	1100.00	655.90	0	656.15	157.06	99.69	.00	.12
3.90	15.00	654.70	652.40	648.50	410.00	656.30	656.39	656.90	63.79	63.59	.00	.04	
3.90	15.00	654.70	652.40	648.50	730.00	656.9A	656.98	657.70	84.75	49.95	.00	.10	
3.90	15.00	654.70	652.40	648.50	850.00	657.11	657.11	657.91	89.37	51.73	.00	.11	
3.90	15.00	654.70	652.40	648.50	1100.00	657.4A	657.48	658.30	102.26	43.36	.00	.20	
4.15	35.00	654.70	652.40	648.50	410.00	656.87	0	657.14	80.64	20.20	.00	.11	
4.15	35.00	654.70	652.40	648.50	730.00	657.47	0	657.84	102.11	19.24	.00	.21	
4.15	35.00	654.70	652.40	648.50	850.00	657.67	0	658.04	109.18	18.43	.00	.23	
4.15	35.00	654.70	652.40	648.50	1100.00	657.9A	0	658.43	119.99	18.84	.00	.35	
4.40	25.00	0	0	0	648.60	410.00	657.17	0	657.10	142.32	5.76	.01	.27
4.40	25.00	0	0	0	648.60	730.00	657.87	0	657.90	161.13	10.61	.01	.41
4.40	25.00	0	0	0	648.60	850.00	658.09	0	658.13	167.12	12.21	.01	.45
4.40	25.00	0	0	0	648.60	1100.00	658.44	0	658.51	177.45	15.62	.01	.60
8.00	360.00	0	0	0	652.80	410.00	657.6A	0	657.83	147.74	192.40	.04	2.71
8.00	360.00	0	0	0	652.80	730.00	658.67	0	658.77	171.89	28.5A	.05	3.95
8.00	360.00	0	0	0	652.80	850.00	658.95	0	659.05	177.43	77.24	.05	4.34
8.00	360.00	0	0	0	652.80	1100.00	659.45	0	659.54	187.14	65.97	.05	5.12
12.20	420.00	0	0	0	658.10	410.00	663.30	0	663.3A	155.21	96.14	.10	4.34
12.20	420.00	0	0	0	658.10	730.00	663.61	662.99	663.7A	163.68	166.6A	.09	6.5A
12.20	420.00	0	0	0	658.10	850.00	663.71	663.08	663.89	164.27	128.23	.08	7.29
12.20	420.00	0	0	0	658.10	1100.00	663.94	663.26	664.17	171.12	214.69	.08	8.69
16.40	420.00	0	0	0	663.40	410.00	668.37	0	668.40	149.95	158.07	.14	6.04
16.40	420.00	0	0	0	663.40	730.00	669.17	0	669.2A	169.21	105.95	.13	9.13
16.40	420.00	0	0	0	663.40	850.00	669.39	0	669.51	170.17	99.54	.13	10.10
16.40	420.00	0	0	0	663.40	1100.00	669.77	0	669.89	181.25	93.85	.12	12.01
20.60	420.00	0	0	0	668.70	410.00	673.85	0	673.93	154.39	107.9A	.19	7.69
20.60	420.00	0	0	0	668.70	730.00	674.30	0	674.43	165.79	143.4A	.17	11.74
20.60	420.00	0	0	0	668.70	850.00	674.45	0	674.60	169.31	150.21	.16	13.02
20.60	420.00	0	0	0	668.70	1100.00	674.74	0	674.92	174.96	156.4A	.15	15.50
24.80	420.00	0	0	0	674.00	410.00	679.02	0	679.13	151.11	142.70	.23	9.37
24.80	420.00	0	0	0	674.00	730.00	679.72	0	679.83	162.21	115.77	.21	14.31
24.80	420.00	0	0	0	674.00	850.00	679.91	0	680.04	172.67	112.55	.21	15.87
24.80	420.00	0	0	0	674.00	1100.00	680.2A	0	680.40	179.56	110.47	.19	18.8A

12567

SECTION NUMBER	CHANNL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EA	TOPWID	10K*5	TIME	VOL
29.00	420.00	0	0	679.80	410.00	685.77	0	686.11	77.16	192.01	.26	10.66
29.00	420.00	0	0	679.80	730.00	686.40	0	686.90	84.71	255.53	.24	16.30
29.00	420.00	0	0	679.80	850.00	686.60	0	687.14	91.17	269.41	.23	18.19
29.00	420.00	0	0	679.80	1100.00	686.98	0	687.58	99.81	283.80	.21	21.68

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3.700	410.000	651.773	0	0	0	18.763	0	0
3.700	730.000	652.948	1.175	0	0	22.319	-3.556	0
3.700	850.000	653.997	1.049	0	0	83.746	-64.984	0
3.700	1100.000	655.800	1.803	0	0	162.224	-143.462	0
3.850	410.000	653.319	0	1.546	0	22.533	0	15.000
3.850	730.000	654.904	1.585	1.956	0	117.795	-95.262	15.000
3.850	850.000	654.950	.046	.953	0	120.718	-98.185	15.000
3.850	1100.000	655.905	.954	.105	0	157.056	-134.524	15.000
3.900	410.000	656.390	0	3.071	0	63.790	0	15.000
3.900	730.000	656.982	.592	2.078	0	84.751	-20.962	15.000
3.900	850.000	657.113	.131	2.162	0	89.372	-25.583	15.000
3.900	1100.000	657.477	.364	1.572	0	102.258	-38.469	15.000
4.150	410.000	656.869	0	.479	0	80.643	0	35.000
4.150	730.000	657.473	.604	.401	0	102.109	-21.466	35.000
4.150	850.000	657.674	.201	.562	0	109.178	-28.536	35.000
4.150	1100.000	657.980	.305	.503	0	119.987	-39.345	35.000
4.400	410.000	657.174	0	.305	0	142.325	0	25.000
4.400	730.000	657.875	.701	.401	0	161.127	-18.803	25.000
4.400	850.000	658.094	.220	.420	0	167.122	-24.797	25.000
4.400	1100.000	658.464	.370	.484	0	177.455	-35.130	25.000
8.000	410.000	657.684	0	.510	0	147.740	0	360.000
8.000	730.000	658.671	.987	.797	0	171.890	-24.146	360.000
8.000	850.000	658.953	.282	.859	0	177.426	-29.681	360.000
8.000	1100.000	659.446	.493	.982	0	187.134	-39.391	360.000
12.200	410.000	663.301	0	5.618	0	155.807	0	420.000
12.200	730.000	663.607	.306	4.936	0	163.580	-7.877	420.000
12.200	850.000	663.713	.106	4.760	0	166.268	-10.461	420.000
12.200	1100.000	663.943	.230	4.497	0	171.122	-15.315	420.000
16.400	410.000	668.369	0	5.068	0	149.944	0	420.000
16.400	730.000	669.168	.799	5.561	0	169.810	-19.864	420.000
16.400	850.000	669.394	.226	5.681	0	174.170	-24.224	420.000
16.400	1100.000	669.768	.374	5.825	0	181.849	-31.903	420.000
20.600	410.000	673.846	0	5.476	0	154.393	0	420.000
20.600	730.000	674.297	.452	5.129	0	165.790	-11.401	420.000
20.600	850.000	674.448	.151	5.054	0	169.306	-14.913	420.000
20.600	1100.000	674.737	.289	4.969	0	174.960	-20.571	420.000
24.800	410.000	679.017	0	5.171	0	151.110	0	420.000
24.800	730.000	679.718	.701	5.421	0	168.810	-17.701	420.000
24.800	850.000	679.913	.195	5.464	0	172.667	-21.553	420.000
24.800	1100.000	680.261	.349	5.524	0	179.557	-28.443	420.000
29.000	410.000	685.766	0	6.740	0	72.161	0	420.000
29.000	730.000	686.401	.635	6.683	0	86.700	-14.548	420.000
29.000	850.000	686.601	.200	6.688	0	91.170	-12.009	420.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	0.296	0
2	0	0	0.274	.978
3	0	0	0.529	1.232
4	0	0	0.986	1.689

12568





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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C-5-1 100-YR Q

J1	ICHECK	INQ	NINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	4.	0	0	0	0	0	0	663.160	=0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IR*	CHNIM	ITRACE
	3.000	=0	=0	=0	=0	=0	=0	=0	=0	=0

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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 GASTONIA N C  
 T2 FLOOD INSURANCE  
 T3 TRIB C=5-1 500-YR Q

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	6.	0	0	0	0	0	0	663.960	=0
J2	NPROF	TPLT	PRFVS	XSECV	XSECH	FN	ALDC	IPW	CHNIM	ITRACE
	15.000	=0	=0	=0	=0	=0	=0	=0	=0	=0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB C-5-1 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MTN EL OF GROUND (CFS)	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWD	10KWS	TIME	VOL
8.000	0	0	0	652.80	290.00	661.26	0	661.26	301.03	.72	0	0
8.000	0	0	0	652.80	520.00	642.73	0	662.73	337.06	.72	0	0
8.000	0	0	0	652.80	610.00	663.14	0	663.14	347.18	.73	0	0
8.000	0	0	0	652.80	790.00	643.96	0	663.96	366.00	.75	0	0
3.000	500.00	0	0	656.40	290.00	662.34	462.36	662.84	65.93	733.74	.02	5.24
3.000	500.00	0	0	658.40	520.00	662.90	662.90	663.42	92.19	700.35	.02	8.17
3.000	500.00	0	0	658.40	610.00	643.10	463.10	663.58	143.08	654.22	.03	9.16
3.000	500.00	0	0	658.40	790.00	663.98	0	664.10	165.65	169.79	.04	11.59
6.000	800.00	0	0	659.40	290.00	666.46	0	666.50	74.89	14.64	.17	7.61
6.000	800.00	0	0	659.40	520.00	647.59	0	667.64	97.88	17.31	.15	11.84
6.000	800.00	0	0	659.40	610.00	667.90	0	667.96	102.95	18.50	.14	13.35
6.000	800.00	0	0	659.40	790.00	668.20	0	668.29	107.79	24.65	.14	17.32
11.000	500.00	0	0	645.40	290.00	646.44	468.44	669.61	14.21	1098.36	.19	8.99
11.000	500.00	0	0	645.40	520.00	649.92	669.92	671.11	31.78	722.24	.16	13.96
11.000	500.00	0	0	645.40	610.00	670.36	470.36	671.44	40.42	624.54	.16	15.74
11.000	500.00	0	0	645.40	790.00	670.93	670.93	672.02	52.47	532.17	.16	20.05
16.000	1000.00	0	0	677.90	290.00	683.71	480.93	683.82	57.28	52.31	.29	10.77
16.000	1000.00	0	0	677.90	520.00	684.79	0	684.91	75.48	56.04	.26	16.90
16.000	1000.00	0	0	677.90	610.00	685.07	0	685.21	81.91	58.14	.25	19.13
16.000	1000.00	0	0	677.90	790.00	685.59	0	685.77	89.41	41.29	.24	24.24
20.500	450.00	0	0	685.40	290.00	688.92	0	689.72	15.22	641.49	.31	11.61
20.500	450.00	0	0	685.40	520.00	690.09	489.92	691.12	30.93	601.14	.27	18.25
20.500	450.00	0	0	685.40	610.00	690.45	690.37	691.44	43.43	540.44	.26	20.64
20.500	450.00	0	0	685.40	790.00	691.02	690.94	692.02	51.93	483.11	.26	26.14
25.000	900.00	0	0	684.90	290.00	692.44	0	692.44	87.45	9.34	.50	14.59
25.000	900.00	0	0	684.90	520.00	693.87	0	693.90	110.50	9.43	.45	22.94
25.000	900.00	0	0	684.90	610.00	694.27	0	694.31	117.11	9.64	.43	26.01
25.000	900.00	0	0	684.90	790.00	694.93	0	694.97	127.84	10.43	.41	32.63
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF FACTOR	CWSEL DIFF FACTOR SECTION	CWSEL-WSFLX	TOPWD	T.W. DIFF	LENGTH				
8.000	290.000	661.260	0	0	0	301.024	0	0				0
8.000	520.000	662.730	1.470	0	0	337.057	-34.029	0				0
8.000	610.000	663.160	.430	0	0	347.174	-46.144	0				0
8.000	790.000	663.960	.400	0	0	366.002	-64.974	0				0
3.000	290.000	662.360	0	1.104	0	65.926	0	500.000				0
3.000	520.000	662.900	.537	.170	0	92.184	-24.261	500.000				0
3.000	610.000	663.100	.199	-.060	0	143.074	-77.150	500.000				0
3.000	790.000	663.980	.484	.020	0	165.644	-99.720	500.000				0
6.000	290.000	666.463	0	4.099	0	74.884	0	400.000				0
6.000	520.000	667.586	1.123	4.686	0	97.881	-18.995	400.000				0
6.000	610.000	667.901	.314	4.401	0	102.954	-24.064	400.000				0
6.000	790.000	668.201	.300	4.220	0	107.794	-24.904	400.000				0
11.000	290.000	668.439	0	1.974	0	14.207	0	500.000				0
11.000	520.000	669.916	1.477	2.329	0	31.783	-17.577	500.000				0

11,000	610,000	670,398	.440	2.255	0	40,418	-26,211	500,000
11,000	790,000	670,934	.579	2.734	0	52,468	-38,261	500,000
16,000	290,000	683,705	0	15,266	0	57,283	0	1000,000
16,000	520,000	684,787	1.081	14,871	0	75,684	-14,401	1000,000
16,000	610,000	685,075	.288	14,719	0	80,905	-23,622	1000,000
16,000	790,000	685,594	.519	14,659	0	89,807	-32,524	1000,000
20,500	290,000	688,924	0	5,219	0	15,217	0	450,000
20,500	520,000	690,090	1.164	5,303	0	34,928	-19,712	450,000
20,500	610,000	690,451	.361	5,376	0	43,430	-24,214	450,000
20,500	790,000	691,018	.567	5,425	0	53,926	-38,709	450,000
25,000	290,000	692,458	0	3,534	0	87,449	0	900,000
25,000	520,000	693,865	1.407	3,774	0	110,504	-23,055	900,000
25,000	610,000	694,271	.405	3,820	0	117,109	-29,661	900,000
25,000	790,000	694,925	.655	3,907	0	127,835	-40,387	900,000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENC

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	"	0	0	6.226	0
2	"	0	0	5.260	2.035
3	"	0	0	6.589	3.363
4	"	0	0	10.735	4.509



SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	ES	DEPTH	STENCL	STENCR	VCH
226.95	520.00	0	0	664.10	840.00	671.39	0	671.53	7.29	0	0	4.07
226.95	520.00	0	0	664.10	1620.00	672.21	0	672.35	8.11	0	0	4.56
226.95	520.00	0	0	664.10	2100.00	672.60	0	672.74	8.50	0	0	4.70
226.95	520.00	0	0	664.10	3650.00	673.64	0	673.79	9.54	0	0	5.01
233.90	695.00	0	0	667.60	800.00	673.32	0	673.40	5.72	0	0	3.57
233.90	695.00	0	0	667.60	1510.00	674.17	0	674.26	6.57	0	0	3.97
233.90	695.00	0	0	667.60	1950.00	674.57	0	674.66	6.97	0	0	4.20
233.90	695.00	0	0	667.60	3200.00	675.55	0	675.66	7.95	0	0	4.67
242.25	835.00	0	0	669.50	800.00	675.56	0	675.78	6.06	0	0	4.91
242.25	835.00	0	0	669.50	1510.00	676.50	0	676.75	7.00	0	0	5.80
242.25	835.00	0	0	669.50	1950.00	676.96	0	677.23	7.46	0	0	6.22
242.25	835.00	0	0	669.50	3200.00	678.01	0	678.34	8.51	0	0	7.15
245.75	350.00	0	0	670.40	800.00	676.60	0	676.71	6.20	0	0	3.73
245.75	350.00	0	0	670.40	1510.00	677.51	0	677.58	7.11	0	0	3.60
245.75	350.00	0	0	670.40	1950.00	677.97	0	678.04	7.57	0	0	3.60
245.75	350.00	0	0	670.40	3200.00	679.03	0	679.11	8.63	0	0	3.74
247.00	125.00	0	0	670.90	800.00	676.86	0	677.11	5.96	0	0	5.03
247.00	125.00	0	0	670.90	1510.00	677.72	0	677.88	6.82	0	0	4.84
247.00	125.00	0	0	670.90	1950.00	678.17	0	678.30	7.27	0	0	4.70
247.00	125.00	0	0	670.90	3200.00	679.22	0	679.33	8.32	0	0	4.84
251.45	445.00	0	0	672.50	800.00	679.10	0	679.42	6.60	0	0	5.86
251.45	445.00	0	0	672.50	1510.00	679.65	679.50	679.97	7.15	0	0	6.70
251.45	445.00	0	0	672.50	1950.00	679.95	0	680.25	7.45	0	0	7.09
251.45	445.00	0	0	672.50	3200.00	680.72	0	681.00	8.22	0	0	7.37
255.10	365.00	0	0	675.60	800.00	680.59	0	680.65	4.99	0	0	3.06
255.10	365.00	0	0	675.60	1510.00	681.26	0	681.33	5.66	0	0	3.57
255.10	365.00	0	0	675.60	1950.00	681.56	0	681.63	5.96	0	0	3.79
255.10	365.00	0	0	675.60	3200.00	682.25	0	682.32	6.65	0	0	4.20
256.10	100.00	0	0	676.60	800.00	680.82	0	681.04	4.22	0	0	5.43
256.10	100.00	0	0	676.60	1510.00	681.52	0	681.75	4.92	0	0	6.06
256.10	100.00	0	0	676.60	1950.00	681.83	0	682.05	5.23	0	0	6.30
256.10	100.00	0	0	676.60	3200.00	682.52	0	682.71	5.92	0	0	6.41
257.10	100.00	0	0	677.50	800.00	683.13	683.13	683.61	5.63	0	0	7.11
257.10	100.00	0	0	677.50	1510.00	683.64	683.64	684.16	6.14	0	0	8.54
257.10	100.00	0	0	677.50	1950.00	683.88	683.88	684.41	6.38	0	0	9.11
257.10	100.00	0	0	677.50	3200.00	684.32	684.32	684.95	6.82	0	0	10.85
258.10	100.00	0	0	674.50	800.00	683.82	0	684.01	4.32	0	0	4.02
258.10	100.00	0	0	674.50	1510.00	684.46	0	684.73	5.06	0	0	5.40
258.10	100.00	0	0	674.50	1950.00	684.74	0	685.06	5.24	0	0	6.10
258.10	100.00	0	0	674.50	3200.00	685.41	0	685.76	6.91	0	0	7.37

367+50

791.2

156+80

643.3

210+70 - 21,070'

147.9

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

DUHARTS CR 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	DEPTH	STENCL	STENCR	VCH
156.80	280.00	0	0	643.30	940.00	651.79	0	651.87	8.49	0	0	3.08
156.80	280.00	0	0	643.30	1800.00	652.67	0	652.75	9.37	0	0	3.37
156.80	280.00	0	0	643.30	2400.00	653.15	0	653.23	9.85	0	0	3.52
156.80	280.00	0	0	643.30	4300.00	654.37	0	654.46	11.07	0	0	3.88
160.70	390.00	0	0	644.30	940.00	652.55	0	652.65	8.25	0	0	3.08
160.70	390.00	0	0	644.30	1800.00	653.44	0	653.54	9.14	0	0	3.48
160.70	390.00	0	0	644.30	2400.00	653.91	0	654.00	9.61	0	0	3.58
160.70	390.00	0	0	644.30	4300.00	655.09	0	655.18	10.79	0	0	3.74
172.70	1200.00	0	0	646.80	940.00	655.56	0	655.84	8.76	0	0	4.67
172.70	1200.00	0	0	646.80	1800.00	656.38	0	656.67	9.58	0	0	5.18
172.70	1200.00	0	0	646.80	2400.00	656.75	0	656.99	9.95	0	0	5.51
172.70	1200.00	0	0	646.80	4300.00	657.66	0	657.97	10.86	0	0	6.21
179.00	630.00	0	0	648.40	900.00	658.00	0	658.26	9.40	0	0	4.26
179.00	630.00	0	0	648.40	1720.00	659.10	0	659.43	10.70	0	0	5.37
179.00	630.00	0	0	648.40	2250.00	659.60	0	659.94	11.20	0	0	5.74
179.00	630.00	0	0	648.40	4000.00	660.76	0	661.15	12.36	0	0	6.68
180.80	185.00	662.50	660.80	647.80	900.00	658.58	0	658.80	10.78	0	0	4.47
180.80	185.00	662.50	660.80	647.80	1720.00	659.79	0	660.50	11.99	0	0	6.96
180.80	185.00	662.50	660.80	647.80	2250.00	662.80	0	663.10	15.00	0	0	5.07
180.80	185.00	662.50	660.80	647.80	4000.00	664.37	0	664.80	16.57	0	0	6.55
190.00	915.00	0	0	654.00	900.00	661.74	0	661.97	7.74	0	0	4.22
190.00	915.00	0	0	654.00	1720.00	663.55	0	663.68	9.55	0	0	4.03
190.00	915.00	0	0	654.00	2250.00	664.70	0	664.87	10.70	0	0	3.12
190.00	915.00	0	0	654.00	4000.00	666.68	0	666.83	17.68	0	0	4.12
204.30	1435.00	0	0	656.00	840.00	665.22	0	665.33	8.22	0	0	2.98
204.30	1435.00	0	0	656.00	1620.00	666.34	0	666.44	10.34	0	0	3.31
204.30	1435.00	0	0	656.00	2100.00	666.98	0	667.07	11.98	0	0	3.32
204.30	1435.00	0	0	656.00	3650.00	668.74	0	668.87	17.74	0	0	3.36
214.35	1005.00	0	0	660.00	840.00	666.92	0	667.08	4.92	0	0	3.75
214.35	1005.00	0	0	660.00	1620.00	667.97	0	668.04	7.97	0	0	3.87
214.35	1005.00	0	0	660.00	2100.00	668.41	0	668.57	8.41	0	0	3.90
214.35	1005.00	0	0	660.00	3650.00	669.84	0	669.94	9.84	0	0	3.80
218.95	460.00	0	0	661.50	840.00	668.04	0	668.58	6.54	0	0	6.40
218.95	460.00	0	0	661.50	1620.00	668.87	668.81	669.60	7.37	0	0	8.20
218.95	460.00	0	0	661.50	2100.00	669.27	0	670.03	7.77	0	0	8.79
218.95	460.00	0	0	661.50	3650.00	670.47	0	671.15	8.97	0	0	9.09
221.75	280.00	0	0	662.90	840.00	669.62	0	669.87	4.72	0	0	4.84
221.75	280.00	0	0	662.90	1620.00	670.69	0	670.87	7.79	0	0	4.82
221.75	280.00	0	0	662.90	2100.00	671.13	0	671.30	8.23	0	0	4.97
221.75	280.00	0	0	662.90	3650.00	672.17	0	672.35	9.27	0	0	5.57

30186

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EG	DEPTH	STENCI	STENCR	VCH
226.95	520.00	0	0	664.10	800.00	671.39	0	671.53	7.29	0	0	4.07
226.95	520.00	0	0	664.10	1620.00	672.21	0	672.35	8.11	0	0	4.56
226.95	520.00	0	0	664.10	2100.00	672.60	0	672.70	8.50	0	0	4.70
226.95	520.00	0	0	664.10	3650.00	673.64	0	673.70	9.54	0	0	5.01
233.90	695.00	0	0	667.60	800.00	673.32	0	673.40	5.72	0	0	3.57
233.90	695.00	0	0	667.60	1510.00	674.17	0	674.26	6.57	0	0	3.97
233.90	695.00	0	0	667.60	1950.00	674.57	0	674.66	6.97	0	0	4.20
233.90	695.00	0	0	667.60	3200.00	675.55	0	675.66	7.95	0	0	4.67
242.25	835.00	0	0	669.50	800.00	675.56	0	675.78	6.06	0	0	4.91
242.25	835.00	0	0	669.50	1510.00	676.50	0	676.75	7.00	0	0	5.80
242.25	835.00	0	0	669.50	1950.00	676.96	0	677.23	7.46	0	0	6.22
242.25	835.00	0	0	669.50	3200.00	678.01	0	678.34	8.51	0	0	7.15
245.75	350.00	0	0	670.40	800.00	676.60	0	676.71	6.20	0	0	3.73
245.75	350.00	0	0	670.40	1510.00	677.51	0	677.58	7.11	0	0	3.60
245.75	350.00	0	0	670.40	1950.00	677.97	0	678.04	7.57	0	0	3.60
245.75	350.00	0	0	670.40	3200.00	679.03	0	679.11	8.63	0	0	3.74
247.00	125.00	0	0	670.90	800.00	676.84	0	677.11	5.06	0	0	5.03
247.00	125.00	0	0	670.90	1510.00	677.72	0	677.88	6.82	0	0	4.84
247.00	125.00	0	0	670.90	1950.00	678.17	0	678.30	7.27	0	0	4.70
247.00	125.00	0	0	670.90	3200.00	679.22	0	679.33	8.32	0	0	4.84
251.45	445.00	0	0	672.50	800.00	679.10	0	679.42	6.60	0	0	5.86
251.45	445.00	0	0	672.50	1510.00	679.65	679.50	679.97	7.15	0	0	6.70
251.45	445.00	0	0	672.50	1950.00	679.95	0	680.25	7.45	0	0	7.00
251.45	445.00	0	0	672.50	3200.00	680.72	0	681.00	8.22	0	0	7.37
255.10	365.00	0	0	675.60	800.00	680.59	0	680.65	4.09	0	0	3.06
255.10	365.00	0	0	675.60	1510.00	681.26	0	681.33	5.66	0	0	3.57
255.10	365.00	0	0	675.60	1950.00	681.56	0	681.63	5.06	0	0	3.79
255.10	365.00	0	0	675.60	3200.00	682.25	0	682.32	6.65	0	0	4.20
256.10	100.00	0	0	676.60	800.00	680.82	0	681.04	4.22	0	0	5.43
256.10	100.00	0	0	676.60	1510.00	681.52	0	681.75	4.92	0	0	6.06
256.10	100.00	0	0	676.60	1950.00	681.83	0	682.05	5.23	0	0	6.30
256.10	100.00	0	0	676.60	3200.00	682.52	0	682.71	5.92	0	0	6.41
257.10	100.00	0	0	677.50	800.00	683.13	683.13	683.61	5.63	0	0	7.11
257.10	100.00	0	0	677.50	1510.00	683.64	683.64	684.16	6.14	0	0	8.54
257.10	100.00	0	0	677.50	1950.00	683.88	683.88	684.41	6.38	0	0	9.11
257.10	100.00	0	0	677.50	3200.00	684.32	684.32	684.95	6.82	0	0	10.85
258.10	100.00	0	0	674.50	800.00	683.82	0	684.01	4.32	0	0	4.02
258.10	100.00	0	0	674.50	1510.00	684.44	0	684.73	5.06	0	0	5.40
258.10	100.00	0	0	674.50	1950.00	684.74	0	685.04	6.24	0	0	6.10
258.10	100.00	0	0	674.50	3200.00	685.41	0	685.70	7.91	0	0	7.37