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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* Russ

T1 GASTONIA N.C.  
 T2 FLOOD INSURANCE  
 T3 AVON CREEK 100-YR Q

J1 ICHECK INC MINV IDIR SIPT METRIC HVINS 0 WSEL EQ  
 0 4 0 0 0 0 0 0 756.200 =0

J2 NPROF TPIOT PREVS XSECV YSECH FN ALLOC IRV CHNIM 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 .000 .040 .060 -0 -0 -0 -0 -0 -0 -0  
 QT 5.000 410.000 710.000 830.000 830.000 1080.000 -0 -0 -0  
 ET -0 -0 -0 -0 -0 10.400 -0 -0 -0 -0

X1 82.400 12.000 132.000 <sup>145</sup> 163.000 -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

X1 90.000 15.000 182.000 <sup>200</sup> 221.000 760.000 760.000 760.000 -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 756.800 221.000 758.900 250.000 764.000 300.000 775.000 400.000 785.000 510.000

X1 90.200 -0 -0 -0 20.000 20.000 20.000 -0 -0 -0  
 Y3 10.000 -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 12.000 197.500 <sup>200</sup> 202.500 110.000 110.000 110.000 -0 -0 -0  
 X2 -0 -0 1.000 759.600 776.900 -0 -0 -0 -0 -0  
 Y3 10.000 -0 -0 -0 -0 -0 -0 774.900 774.900 -0  
 RT 14.000 0 786.700 -0 100.000 777.700 -0 150.000 776.400 -0  
 RT 190.000 776.000 -0 197.500 774.900 757.100 198.200 774.900 758.900 200.000  
 RT 776.900 759.600 201.800 776.900 758.900 202.500 776.900 757.100 210.000 775.900  
 RT -0 250.000 774.200 -0 300.000 777.400 -0 350.000 779.700 -0  
 RT 450.000 786.700 -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 750.600 200.000 755.300 201.800 757.100 202.500 750.800 207.000 756.800 221.000  
 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 <sup>210</sup> 226.000 30.000 30.000 30.000 -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  
 QT 5.000 320.000 590.000 675.000 675.000 875.000 -0 -0 -0 -0

X1 95.400 20.000 292.000 <sup>300</sup> 309.000 380.000 380.000 380.000 -0 -0 -0  
 GR 790.000 0 786.000 100.000 785.000 150.000 784.700 200.000 783.500 218.000





SUMMARY PRINTOUT FOR MULTIPLE PROFILES

AVON CREEK FLOODWA

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	OF	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEL	TO	EQ	TOPWID	STENCI	STENCR	VCH
82.40	-0	0	0	0	739.90	830.00	756.20	800.49	756.21	300.00	0	0	1.11
82.40	-0	0	0	0	739.90	830.00	757.20	815.83	757.22	106.22	126.19	232.40	1.14
90.00	760.00	0	0	0	750.60	830.00	755.71	60.79	756.40	33.03	0	0	7.05
90.00	760.00	0	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	0	750.60	830.00	756.16	74.00	756.74	30.74	0	0	6.25
90.20	20.00	0	0	0	750.60	830.00	757.22	110.22	757.58	37.62	182.00	221.00	4.84
91.30	110.00	0	0	0	750.70	830.00	777.07	6112.82	777.07	369.38	0	0	.20
91.30	110.00	0	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	0	756.80	830.00	777.07	2490.19	777.07	163.52	0	0	.34
91.60	30.00	0	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	0	760.00	675.00	777.07	1838.71	777.08	215.97	0	0	.52
95.40	380.00	0	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	0	760.00	675.00	777.07	1838.79	777.08	215.98	0	0	.52
95.60	20.00	0	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	0	766.90	675.00	784.88	37.32	786.33	0.00	0	0	9.67
97.60	200.00	0	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	0	767.30	655.00	786.33	1919.78	786.33	162.08	0	0	.56
97.90	30.00	0	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	0	767.30	655.00	786.33	1919.87	786.33	162.08	0	0	.56
98.20	30.00	0	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	0	749.30	655.00	786.33	2020.21	786.33	424.01	0	0	.25
101.10	200.00	0	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	-0.085	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	.041	0	30.738	0	20.000
90.200	830.000	757.219	1.062	.142	0	37.620	-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

95.600	675.000	778.136	1.062	.000	0	131.412	84.571	20.000
97.600	675.000	784.877	0	7.802	0	4.000	0	200.000
97.600	675.000	785.939	1.062	7.802	0	4.000	0	200.000
97.900	655.000	786.329	0	1.452	0	162.079	0	30.000
97.900	655.000	787.228	.899	1.289	0	88.045	74.034	30.000
98.200	655.000	786.329	0	.000	0	162.082	0	30.000
98.200	655.000	787.228	.899	.000	0	88.050	74.032	30.000
101.100	655.000	786.333	0	.004	0	426.410	0	290.000
101.100	655.000	787.233	.899	.005	0	233.153	193.257	290.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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1	0	0	8.002	0
2	4.000	.173	4.334	-3.668

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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	INQ	NTAV	INDF	STAT	MFIPIC	DMINS	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	445,000
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	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	480,000	770,000	870,000	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	370,000	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	205,000	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.
SP	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	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 743,400 150,000 741,800 171,000 729,400 196,000 729,100 200,000 729,000 208,000  
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, 0,  
NC 0,020 0,015 0,020 0, 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, 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, 250,000 739,600 0, 400,000 747,500 0, 700,000 747,500 0, 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 731,700 153,000 749,700 140,000 741,800 171,000 729,400 196,000 729,100 200,000  
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, 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, 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,

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 15,000 276,000 205 335,000 660,000 660,000 660,000 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,

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, 0,  
SR 0, 1,500 3,000 100,000 5,000 0, 22,500 0, 0, 0,

X1 81,000 21,000 249,500 230 254,500 20,000 20,000 20,000 0, 0, 0,  
X2 0, 0, 1,000 741,200 754,400 0, 0, 0, 0, 0, 0,  
X3 10,000 0, 0, 0, 0, 0, 0, 754,900 754,900 0, 0,  
BT 14,000 0, 745,000 0, 75,000 745,000 0, 150,000 758,900 0, 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, 0,  
BT 600,000 762,700 0, 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, 0,  
ET 0, 0, 0, 0, 10,400 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 OF 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	45.58	338.27	383.85	5.47			
47.50	70.00	723.00	721.70	715.10	1200.00	723.44	78.13	723.84	145.29	0.	330.00	4.55			
47.50	70.00	723.00	721.70	715.10	1200.00	724.17	59.51	724.81	84.43	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	46.14	0.	460.00	6.25			
56.50	870.00	0.	0.	719.50	1050.00	726.69	207.68	727.10	41.35	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	41.60	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	736.80	731.90	724.90	970.00	738.24	210.31	738.51	215.16	0.	0.	4.33
70.20	20.00	736.80	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 EL OF LOW CHORD	MIN FL OF GROUND	DISCHARGE (CFS)	CWSFL	TO	FG	TOPWD	STFNFL	STENCP	VCH
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.	40.110	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.	133.374	-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	-0.070	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.	0.371	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.	293.471	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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 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	720,500	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	389,000	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	389,000	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	0.000	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	714,800	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	520,000	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	0.000	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	751,500	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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 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 FO  
 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 1MG 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 PD  
0. 0. 0. 0. 0. 0. 0. 0. 0. 703.110 0.

J2 NPROF IPLOT PREVS XSECV XSECH FM ALLOC IRW CHNIM ITRACF  
15.000 0. 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	701.20	430.41	701.22	532.18	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	228.80	704.01	248.40	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	713.03	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	169.67	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	85.64	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	1.689	0.	250.988	-52.935	830.000
8.300	1700.000	703.886	1.037	0.776	0.	288.401	-90.338	830.000
16.900	650.000	708.157	0.	6.673	0.	145.434	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	6.438	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	-92,094	80.000
46,800	1550.000	723.415	0.575	1.284	0.	178,314	-114,982	80.000
47,500	580.000	721.655	0.	0.623	0.	49,044	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.	198,185	-149,101	70.000
48,000	580.000	722.452	0.	0.797	0.	21,060	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	-22,962	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	724.044	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	-8,049	50.000
57,000	1350.000	726.693	0.581	0.361	0.	48,814	-13,859	50.000
58,000	510.000	724.644	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.	40,947	-0,976	650.000
65,000	1010.000	730.373	1.481	0.845	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	0.541	-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	736.542	0.346	5.435	0.	236,745	-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	3.549	-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	0.347	-0.014	0.	333,515	-241,909	70.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACHES	TOP WIDTH 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	NINQ	IDTR	SIRT	METRIC	WVINS	Q	WSEL	FR
	-1.	2.	0	0	0	0	-1.0	0	755.800	0
J2	NPROF	IPLQI	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	0	-1.000	-0	-0	-0	-0	-0	-0	-0
NC	.020	.015	.020	-0	-0	-0	-0	-0	-0	-0
BT	5.000	410.000	710.000	830.000	830.000	1080.000	-0	-0	-0	-0
X1	82.400	12.000	132.000	163.000	-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
X1	90.000	15.000	182.000	221.000	760.000	760.000	760.000	-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
X3	10.000	-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
X2	-0	-0	1.000	752.600	775.900	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	774.900	776.900	-0
BT	14.000	0	786.700	-0	100.000	777.700	-0	150.000	776.400	-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
BT	450.000	786.700	-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	754.800	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
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
BT	5.000	320.000	590.000	675.000	675.000	875.000	-0	-0	-0	-0
X1	95.400	20.000	292.000	309.000	360.000	360.000	360.000	-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	YSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0



(34" for PART-I) 48' 11" 10  
 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	0	739.90	410.00	755.80	0	755.80	295.00	.03	0	
82.40		-0	0	0	739.90	710.00	756.82	0	756.83	310.58	.04	0	
82.40		-0	0	0	739.90	830.00	756.20	0	756.21	300.00	.09	0	
82.40		-0	0	0	739.90	1080.00	756.60	0	756.62	312.43	.12	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	0.00	17.34	.11	12.76	
97.60	200.00	787.40	768.10	766.90	590.00	785.14	0	785.22	0.00	26.81	.38	33.74	
97.60	200.00	787.40	768.10	766.90	675.00	784.88	0	786.33	0.00	36.34	.48	38.80	
97.60	200.00	787.40	768.10	766.90	875.00	783.74	0	786.55	0.00	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	CPIWS	EG	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	.42	49.25
101.10	290.00	0	0	769.30	655.00	786.33	0	786.33	426.39	.05	.46	54.57
101.10	290.00	0	0	769.30	845.00	786.55	0	786.55	434.04	.08	.49	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	35.880	-3.250	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	32.640	0	20.000
90.200	710.000	756.474	.852	.017	0	35.910	-3.271	20.000
90.200	830.000	755.317	-1.157	.130	0	31.505	1.143	20.000
90.200	1080.000	755.746	.430	.452	0	33.110	-.471	20.000
91.300	410.000	760.600	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	765.800	0	1.195	0	100.200	0	30.000
91.600	710.000	776.793	10.992	.723	0	162.090	-61.889	30.000
91.600	830.000	777.045	.245	-.002	0	163.390	-63.186	30.000
91.600	1080.000	777.480	.443	-.004	0	165.690	-65.487	30.000
95.400	525.000	765.600	0	-.190	0	30.290	0	380.000
95.400	590.000	776.790	11.180	.000	0	208.860	-170.576	380.000
95.400	675.000	777.040	.250	.001	0	214.280	-175.990	380.000
95.400	875.000	777.480	.443	.001	0	242.011	-203.720	380.000
95.600	320.000	765.490	0	-.113	0	17.000	0	20.000
95.600	590.000	776.790	11.302	.000	0	208.867	-191.867	20.000
95.600	675.000	777.040	.250	.000	0	214.290	-197.290	20.000
95.600	875.000	777.480	.443	.000	0	242.013	-225.013	20.000
97.600	320.000	779.870	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	780.870	-.267	7.831	0	4.000	0	200.000
97.600	875.000	783.760	-1.112	6.275	0	4.000	0	200.000
97.900	295.000	780.517	0	.601	0	80.190	0	30.000
97.900	560.000	786.210	5.702	1.075	0	161.090	-72.903	30.000
97.900	655.000	786.320	.110	1.452	0	162.070	-73.870	30.000
97.900	845.000	786.546	.210	2.782	0	164.010	-75.810	30.000
98.200	295.000	780.517	0	.000	0	85.190	0	30.000
98.200	560.000	786.210	5.702	.000	0	161.101	-72.903	30.000
98.200	655.000	786.320	.110	.000	0	162.077	-73.870	30.000
98.200	845.000	786.546	.210	.001	0	164.015	-75.810	30.000
101.100	295.000	780.522	0	.005	0	190.070	0	290.000
101.100	560.000	786.227	5.700	.003	0	422.540	-223.460	290.000
101.100	655.000	786.333	.111	.004	0	426.380	-227.310	290.000