

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS L-5 FLOODWAY

SECTION CHANNEL MIN EL OR MAX EL OF MIN EL DISCHARGE CASSEL TO EG TOPWID STENCIL STNCR VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

191.90	-0	655.50	9600.00	670.10	2704.42	670.23	530.88	0	0	0	0	0	0	191.90	4.15
191.90	-0	655.50	9600.00	671.10	2713.17	671.24	362.78	0	0	0	0	0	0	191.90	4.37
7.50	750.00	641.30	1250.00	671.04	8550.16	671.07	330.02	0	0	0	0	0	0	290	1.79
7.50	750.00	641.30	1250.00	672.07	552.93	672.10	192.07	0	0	0	0	0	0	117.03	1.90
11.50	400.00	643.60	1250.00	671.38	203.18	671.50	270.36	0	0	0	0	0	0	310.00	4.02
11.50	400.00	643.60	1250.00	672.34	197.88	672.61	100.00	0	0	0	0	0	0	149.07	4.54
16.00	450.00	646.20	1250.00	673.90	64.49	675.98	20.59	0	0	0	0	0	0	100	11.54
16.00	450.00	646.20	1250.00	674.98	88.05	676.40	21.00	0	0	0	0	0	0	90.00	9.54
20.00	400.00	648.50	1250.00	679.43	196.07	679.78	112.77	0	0	0	0	0	0	111.00	5.30
20.00	400.00	648.50	1250.00	679.86	165.20	680.30	30.50	0	0	0	0	0	0	76.45	6.07
22.50	250.00	671.40	1250.00	680.60	105.95	681.71	75.95	0	0	0	0	0	0	111.00	8.51
22.50	250.00	671.40	1250.00	681.50	117.92	682.47	21.00	0	0	0	0	0	0	90.00	7.90
25.00	250.00	678.50	1250.00	683.41	174.55	683.77	104.04	0	0	0	0	0	0	75.00	5.00
25.00	250.00	678.50	1250.00	683.80	178.05	684.31	42.68	0	0	0	0	0	0	75.00	5.10
27.50	250.00	679.40	1250.00	685.00	103.86	685.92	40.23	0	0	0	0	0	0	75.00	7.37
27.50	250.00	679.40	1250.00	685.47	118.17	686.18	41.28	0	0	0	0	0	0	75.00	6.75
26.00	50.00	679.40	1250.00	685.91	137.10	686.50	41.75	0	0	0	0	0	0	75.00	6.10
26.00	50.00	679.40	1250.00	686.10	145.00	686.60	41.95	0	0	0	0	0	0	75.00	5.91
29.00	100.00	679.50	1250.00	686.90	505.23	687.00	45.00	0	0	0	0	0	0	125.00	2.62
29.00	100.00	679.50	1250.00	687.18	508.61	687.28	45.00	0	0	0	0	0	0	125.00	2.58
29.50	50.00	680.60	1250.00	687.11	138.49	687.11	280.42	0	0	0	0	0	0	207.19	0.90
29.50	50.00	680.60	1250.00	687.25	152.93	687.30	180.19	0	0	0	0	0	0	207.19	0.90
29.50	50.00	683.70	1250.00	687.18	404.07	687.20	282.11	0	0	0	0	0	0	218.91	1.75
29.50	50.00	683.70	1250.00	687.30	530.35	687.42	150.52	0	0	0	0	0	0	218.91	2.17
27.00	200.00	685.20	1250.00	687.28	370.80	687.32	257.07	0	0	0	0	0	0	197.70	2.70
27.00	200.00	685.20	1250.00	687.52	290.88	687.60	118.08	0	0	0	0	0	0	197.70	3.50
29.50	250.00	687.20	1250.00	687.47	100.44	685.21	80.27	0	0	0	0	0	0	115.00	7.58
29.50	250.00	687.20	1250.00	687.80	91.52	686.01	25.27	0	0	0	0	0	0	115.00	8.87
41.50	200.00	688.70	1250.00	687.95	108.95	687.11	91.43	0	0	0	0	0	0	115.00	5.97
41.50	200.00	688.70	1250.00	687.60	104.20	688.24	34.67	0	0	0	0	0	0	115.00	6.54
47.50	1300.00	687.10	1050.00	700.98	100.42	705.12	445.22	0	0	0	0	0	0	231.10	4.32
47.50	1300.00	687.10	1050.00	706.05	108.04	706.20	90.13	0	0	0	0	0	0	231.10	4.50
47.50	300.00	689.40	730.00	706.72	85.32	706.90	297.39	0	0	0	0	0	0	190.13	4.74
47.50	300.00	689.40	730.00	707.71	81.78	708.00	57.13	0	0	0	0	0	0	190.13	5.47
42.00	450.00	703.00	730.00	710.07	83.00	710.30	148.30	0	0	0	0	0	0	250	5.08
42.00	450.00	703.00	730.00	713.22	82.17	711.62	68.45	0	0	0	0	0	0	250.65	5.53

SECTION	DISCHARGE	CASEL	CWSEL DIFP	CWSEL DIFP	CWSEL DIFP	TOPWIN	1.5" DIFP	LENGTH	SECTION NUMBER
55.00	705.30	0	705.30	730.00	712.38	83.64	712.60	148.88	55.00
55.00	705.30	0	705.30	730.00	713.52	83.58	713.98	191.00	55.00
75.00	705.30	0	716.00	500.00	720.90	48.28	721.30	50.68	5.70
75.00	705.30	0	716.00	500.00	721.75	51.40	722.28	19.43	5.58
75.00	705.30	0	723.00	500.00	728.78	49.30	729.29	30.05	6.18
75.00	705.30	0	723.00	500.00	729.04	49.32	729.62	19.00	6.08
91.00	650.00	0	734.40	500.00	738.50	40.35	738.98	29.26	5.61
91.00	650.00	0	734.40	500.00	738.57	40.72	739.00	80.00	5.48
191.900	9600.000	470.100	0	0	0	0	550.883	172.104	191.900
7.500	1250.000	671.041	0	0	0	0	734.028	0	750.000
11.500	1250.000	671.382	0	0	0	0	270.360	0	400.000
14.000	1250.000	673.900	0	0	0	0	20.595	0	450.000
20.000	1250.000	679.438	0	0	0	0	112.769	0	400.000
20.000	1250.000	679.860	0	0	0	0	30.548	0	400.000
22.500	1250.000	680.637	0	0	0	0	75.940	0	250.000
22.500	1250.000	681.501	0	0	0	0	21.001	0	250.000
25.000	1250.000	683.015	0	0	0	0	144.037	0	250.000
25.000	1250.000	683.490	0	0	0	0	42.678	0	250.000
27.500	1250.000	685.088	0	0	0	0	40.330	0	250.000
27.500	1250.000	685.408	0	0	0	0	41.288	0	250.000
29.000	1250.000	685.910	0	0	0	0	41.750	0	50.000
29.000	1250.000	685.980	0	0	0	0	41.007	0	50.000
29.000	1250.000	692.947	0	0	0	0	48.000	0	100.000
29.000	1250.000	693.175	0	0	0	0	45.000	0	100.000
29.500	1250.000	690.105	0	0	0	0	280.422	0	50.000
29.500	1250.000	690.258	0	0	0	0	105.198	0	50.000
35.000	1250.000	690.180	0	0	0	0	282.112	0	55.000
35.000	1250.000	690.180	0	0	0	0	150.517	0	55.000
37.000	1250.000	690.278	0	0	0	0	257.073	0	200.000
37.000	1250.000	690.520	0	0	0	0	118.074	0	200.000
38.500	1250.000	690.474	0	0	0	0	88.064	0	250.000
38.500	1250.000	690.805	0	0	0	0	25.372	0	250.000
41.500	1250.000	694.680	0	0	0	0	91.638	0	200.000
41.500	1250.000	694.680	0	0	0	0	36.470	0	200.000
54.500	1250.000	700.976	0	0	0	0	345.220	0	1300.000

SECTION NUMBER OF MIN. EL. DISCHARGE CWSEL TO EN TOPWARD STENCIL STAMPS VCS

54,500	1050,000	706,031	1,055	8,396	0	90,134	251,086	1300,000
57,500	730,000	706,723	0	1,748	0	297,393	0	300,000
57,500	730,000	707,714	.990	1,683	0	57,127	240,265	300,000
62,000	730,000	710,070	0	3,346	0	148,298	0	450,000
62,000	730,000	711,210	1,150	3,505	0	68,650	70,648	450,000
65,000	730,000	712,377	0	2,307	0	108,880	0	300,000
65,000	730,000	713,525	1,147	2,305	0	69,126	70,753	300,000
75,000	500,000	720,943	0	8,566	0	54,684	0	1000,000
75,000	500,000	721,752	.809	8,227	0	10,633	35,050	1000,000
82,500	500,000	728,730	0	7,791	0	34,953	0	750,000
82,500	500,000	729,056	.322	7,304	0	18,001	16,952	750,000
91,000	500,000	738,496	0	9,762	0	29,250	0	850,000
91,000	500,000	738,573	.077	9,517	0	20,498	-2,230	850,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0	0	34,405	0
2	4,000	0	16,860	-19,541

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-6,100 YEAR Q

CATUF

J1	TCHECK	IND	NINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	=0	4	=0	=0	=0	=0	=0	=0	471,400	=0
J2	HPROF	TPLOT	PREVS	YSECV	YSECV	FN	ALLDC	IR*	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	.100	.100	.070	.100	.300	.300	.300	=0	=0	=0
QT	5,000	3400,000	6500,000	9000,000	9000,000	16000,000	=0	=0	=0	=0
ET	=0	=0	=0	=0	=0	8,400	=0	=0	=0	=0
X1	240,000	20,000	1087,000	1127,000	=0	=0	=0	=0	=0	=0
GR	680,000	30,000	675,000	50,000	670,000	450,000	670,200	800,000	460,300	850,000
GR	669,700	900,000	660,700	850,000	670,100	1000,000	670,100	1050,000	671,200	1087,000
GR	662,000	1000,000	661,000	1116,000	669,100	1127,000	670,700	1150,000	668,900	1300,000
GR	668,800	1400,000	669,500	1450,000	670,800	1470,000	675,000	1486,000	680,000	1500,000
QT	5,000	640,000	1120,000	1320,000	1320,000	1700,000	=0	=0	=0	=0
X1	22,000	20,000	140,000	163,000	2400,000	2400,000	2400,000	=0	=0	=0
GR	690,500	=0	687,900	50,000	683,000	100,000	677,300	140,000	674,300	143,000
GR	674,800	145,200	674,800	145,250	674,800	154,750	674,800	154,800	674,400	158,000
GR	678,100	143,000	679,500	200,000	679,700	250,000	680,100	300,000	680,700	350,000
GR	661,100	400,000	662,700	450,000	664,100	500,000	664,900	550,000	665,500	600,000
X1	22,500	=0	=0	=0	50,000	50,000	50,000	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	497,000	497,000	=0
SB	=0	1,500	2,500	=0	9,500	=0	66,500	=0	=0	=0
X1	24,000	13,000	145,250	154,750	150,000	150,000	150,000	=0	=0	=0
X2	=0	=0	1,000	683,000	696,500	=0	=0	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	497,000	497,000	=0
BT	10,000	50,000	497,000	=0	100,000	696,500	=0	145,200	494,400	=0
BT	145,250	606,400	683,000	154,750	696,400	683,000	154,800	696,400	=0	200,000
BT	696,500	=0	250,000	696,600	=0	300,000	696,700	=0	350,000	697,500
BT	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0
GR	697,000	=0	680,200	50,000	680,900	100,000	676,000	145,200	674,000	145,250
GR	676,000	154,750	676,000	154,900	681,100	160,000	681,300	200,000	682,300	250,000
GR	684,200	300,000	685,100	315,000	680,900	350,000	=0	=0	=0	=0
X1	25,000	13,000	142,000	160,000	100,000	100,000	100,000	=0	=0	=0
GR	697,000	=0	680,200	50,000	680,900	100,000	680,000	142,000	676,700	146,000
GR	676,400	150,000	676,400	153,000	681,100	160,000	681,300	200,000	682,300	250,000
GR	684,200	300,000	685,100	315,000	690,800	350,000	=0	=0	=0	=0
X1	30,000	14,000	163,000	220,000	500,000	500,000	500,000	=0	=0	=0
GR	696,900	=0	688,700	50,000	686,700	100,000	686,400	115,000	689,500	125,000
GR	688,600	150,000	687,500	163,000	678,500	195,000	678,700	200,000	679,700	205,000

GR	686,300	270,000	487,300	250,000	687,900	300,000	690,100	350,000	-0	-0
X1	30,500	0	-0	-0	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	490,500	490,500	-0
SB	0	1,500	2,500	0	6,700	0	34,900	0	-0	-0
X1	31,500	18,000	196,500	200 203,500	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	485,400	490,100	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	490,500	490,500	-0
BT	12,000	0	695,400	0	50,000	492,500	0	100,000	491,200	0
BT	150,000	690,200	0	196,500	490,000	482,000	198,000	490,000	484,700	200,000
BT	690,000	685,200	202,000	490,000	684,700	203,500	690,000	482,000	250,000	491,100
BT	0	300,000	492,400	0	350,000	495,200	0	-0	-0	-0
GR	696,500	0	688,700	50,000	686,700	100,000	686,400	115,000	689,500	125,000
GR	688,600	150,000	687,500	153,000	681,800	105,000	681,800	196,500	479,000	198,000
GR	678,500	200,000	679,000	202,000	681,800	203,500	681,500	205,000	686,300	220,000
GR	687,300	250,000	687,900	300,000	690,100	350,000	-0	-0	-0	-0
X1	32,000	10,000	130,000	150 150,000	50,000	50,000	50,000	-0	-0	-0
GR	695,100	0	692,000	30,000	492,000	50,000	487,400	100,000	485,300	130,000
GR	679,000	142,000	478,700	150,000	679,200	154,000	483,300	160,000	685,400	200,000
GR	664,700	250,000	685,900	300,000	688,700	335,000	696,000	350,000	-0	-0
X1	35,000	-0	-0	-0	300,000	300,000	300,000	-0	3,100	-0
BT	5,000	515,000	910,000	1060,000	1060,000	1370,000	-0	-0	-0	-0
X1	38,000	15,000	92,000	700 110,000	300,000	300,000	300,000	-0	-3,100	-0
GR	702,700	0	702,300	28,000	496,200	35,000	495,300	50,000	492,900	42,000
GR	688,100	96,000	688,000	100,000	688,400	106,000	691,500	110,000	692,200	150,000
GR	692,400	200,000	692,800	250,000	696,100	244,000	697,900	300,000	705,200	350,000
X1	41,000	-0	-0	-0	300,000	300,000	300,000	-0	3,100	-0
X1	48,500	16,000	42,000	50 58,000	750,000	750,000	750,000	-0	-0	-0
GR	708,300	0	700,100	25,000	699,500	42,000	695,800	46,000	684,500	50,000
GR	695,400	53,000	697,900	58,000	700,900	100,000	701,900	145,000	701,700	150,000
GR	701,800	200,000	701,600	225,000	697,000	255,000	701,500	270,000	700,000	300,000
GR	703,300	350,000	-0	-0	-0	-0	-0	-0	-0	-0
BT	5,000	365,000	450,000	760,000	760,000	990,000	-0	-0	-0	-0
X1	57,000	11,000	140,000	150 150,000	850,000	850,000	850,000	-0	-0	-0
GR	717,900	0	710,600	50,000	709,400	100,000	709,100	140,000	702,600	143,000
GR	703,400	150,000	703,600	155,000	708,200	159,000	707,700	200,000	711,700	250,000
GR	718,200	300,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	57,800	-0	-0	-0	80,000	80,000	80,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	710,500	710,500	-0
SB	-0	1,500	2,500	-0	8,000	-0	52,000	-0	-0	-0
X1	58,500	11,000	248,000	250 254,000	70,000	70,000	70,000	-0	-0	-0
X2	-0	-0	1,000	710,000	710,300	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	710,500	710,500	-0
BT	11,000	0	724,100	0	50,000	721,000	0	100,000	717,800	0
BT	150,000	714,300	0	200,000	711,600	0	245,900	710,300	0	244,000
BT	710,300	710,000	254,000	710,300	710,000	254,100	710,300	0	300,000	711,000
BT	0	350,000	712,600	0	-0	-0	-0	-0	-0	-0
GR	723,000	0	718,800	50,000	713,400	100,000	709,200	150,000	708,300	200,000
GR	705,900	245,900	703,500	246,000	703,500	254,000	705,600	254,100	709,700	300,000
GR	714,700	350,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	58,800	12,000	245,000	250 255,000	30,000	30,000	30,000	-0	-0	-0
GR	723,000	0	718,800	50,000	713,400	100,000	709,200	150,000	708,300	200,000
GR	705,900	245,000	704,000	247,000	703,500	250,000	703,600	253,000	705,600	255,000
GR	709,700	300,000	714,700	350,000	-0	-0	-0	-0	-0	-0
X1	59,500	-0	-0	-0	70,000	70,000	70,000	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS L-6 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF TOV CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CSFEI	TD	EG	TOPAYD	STENCI	STENCH	VCU
240.00		-0	0	661.90	9000.00	671.55	629.41	672.33	1149.46	0	0	10.72
240.00		-0	0	661.90	9000.00	672.40	626.12	673.42	569.93	717.60	1287.54	11.51
22.00	2400.00	0	0	674.30	1320.00	684.75	810.09	684.76	459.09	0	0	1.45
22.00	2400.00	0	0	674.30	1320.00	685.77	817.82	685.78	241.78	140.00	381.78	1.27
22.50	50.00	0	0	674.30	1320.00	684.37	158.37	684.98	23.00	0	0	6.25
22.50	50.00	0	0	674.30	1320.00	685.48	183.94	685.94	23.00	140.00	163.00	5.58
24.00	150.00	0	0	676.00	1320.00	692.44	135.18	693.55	9.50	0	0	8.45
24.00	150.00	0	0	676.00	1320.00	693.54	118.94	694.52	9.50	145.25	154.75	7.92
25.00	100.00	0	0	676.40	1320.00	693.64	2898.95	693.67	340.67	0	0	.56
25.00	100.00	0	0	676.40	1320.00	694.62	2955.27	694.62	254.43	50.65	307.28	.57
30.00	500.00	0	0	678.50	1320.00	693.68	1360.73	693.69	330.36	0	0	1.00
30.00	500.00	0	0	678.50	1320.00	694.63	1420.48	694.68	223.72	76.48	300.20	1.02
30.50	50.00	0	0	678.50	1320.00	693.68	1370.59	693.69	330.38	0	0	1.00
30.50	50.00	0	0	678.50	1320.00	694.64	1421.21	694.65	223.42	76.52	300.14	1.02
31.50	100.00	0	0	678.50	1320.00	693.63	1139.00	693.63	332.91	0	0	1.11
31.50	100.00	0	0	678.50	1320.00	694.78	1191.62	694.79	235.91	71.18	307.09	1.11
32.00	50.00	0	0	678.70	1320.00	693.63	1570.33	693.64	333.36	0	0	.93
32.00	50.00	0	0	678.70	1320.00	694.79	1625.49	694.79	206.26	100.17	304.42	.95
35.00	300.00	0	0	681.80	1320.00	693.81	784.85	693.82	275.89	0	0	1.57
35.00	300.00	0	0	681.80	1320.00	694.81	815.21	694.83	163.40	127.82	291.22	1.60
38.00	300.00	0	0	684.90	1060.00	693.97	446.11	693.98	240.00	0	0	1.80
38.00	300.00	0	0	684.90	1060.00	694.93	447.54	694.94	137.31	92.00	229.31	1.68
41.00	300.00	0	0	688.00	1060.00	694.24	121.75	694.47	188.09	0	0	4.95
41.00	300.00	0	0	688.00	1060.00	695.14	122.53	695.43	73.44	92.60	165.44	5.12
48.50	750.00	0	0	694.50	1060.00	701.30	95.57	701.65	184.42	0	0	6.35
48.50	750.00	0	0	694.50	1060.00	702.19	94.40	702.63	101.28	42.00	143.28	6.52
57.00	850.00	0	0	703.40	760.00	709.94	85.83	710.21	150.24	0	0	4.95
57.00	850.00	0	0	703.40	760.00	710.91	85.76	711.20	34.56	140.00	174.56	5.27
57.80	80.00	0	0	703.40	760.00	710.52	110.01	710.64	181.88	0	0	3.82
57.80	80.00	0	0	703.40	760.00	711.53	125.94	711.72	50.43	137.94	188.59	4.00
58.50	70.00	0	0	703.50	760.00	711.93	292.88	711.95	204.71	0	0	2.28
58.50	70.00	0	0	703.50	760.00	712.93	332.30	712.94	109.43	172.42	281.86	2.17
58.80	30.00	0	0	703.50	760.00	711.95	292.17	711.97	205.25	0	0	1.97
58.80	30.00	0	0	703.50	760.00	712.95	330.94	712.95	109.99	172.05	282.05	1.89
59.50	70.00	0	0	703.50	760.00	712.00	297.57	712.02	204.28	0	0	1.94
59.50	70.00	0	0	703.50	760.00	712.99	335.60	713.02	110.74	171.55	282.28	1.87

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOP WID	STENCIL	STENCH	VCH
61.00	150.00	0	0	704.60	760.00	712.12	197.05	712.17	184.95	0	0	2.69
61.00	150.00	0	0	704.60	760.00	713.08	226.72	713.13	92.58	184.34	274.94	2.55
63.00	200.00	0	0	706.20	760.00	712.65	61.71	712.93	174.19	0	0	6.01
63.00	200.00	0	0	706.20	760.00	713.41	68.91	713.75	63.48	97.66	151.30	5.91
64.50	150.00	0	0	707.30	760.00	714.24	93.59	714.38	187.76	0	0	4.23
64.50	150.00	0	0	707.30	760.00	714.89	94.56	715.04	83.22	78.43	161.65	4.49
72.00	750.00	0	0	718.40	760.00	721.28	63.14	721.45	134.72	0	0	4.81
72.00	750.00	0	0	718.40	760.00	722.05	59.99	722.34	60.84	40.00	100.84	5.43
80.00	800.00	0	0	723.60	760.00	728.54	94.13	728.74	114.04	0	0	4.40
80.00	800.00	0	0	723.60	760.00	729.34	90.44	729.63	44.33	45.78	112.11	4.75
91.00	100.00	0	0	738.40	760.00	740.42	24.88	740.99	114.54	0	0	6.75
91.00	100.00	0	0	738.40	760.00	740.95	30.24	741.74	69.32	50.00	150.00	7.14
92.00	100.00	0	0	724.10	760.00	741.05	1402.68	741.05	197.49	0	0	.73
92.00	100.00	0	0	724.10	760.00	741.83	1486.69	741.83	124.30	20.06	144.37	.71

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH U	CWSEL DIFF EACH SECTION	CWSEL-WSEFLK	TOP WID	T.A. DIFF	LENGTH
240.000	9000.000	671.581	0	0	0	1140.460	0	0
240.000	9000.000	672.400	.819	0	0	569.930	570.526	0
22.000	1320.000	684.750	0	13.169	0	458.492	0	2400.000
22.000	1320.000	685.770	1.020	13.370	0	241.779	214.713	2400.000
22.500	1320.000	684.371	0	-.378	0	23.000	0	50.000
22.500	1320.000	685.075	1.104	-.295	0	23.000	0	50.000
24.000	1320.000	692.440	0	8.069	0	9.500	0	150.000
24.000	1320.000	693.540	1.100	8.069	0	9.500	0	150.000
25.000	1320.000	693.660	0	1.220	0	340.073	0	100.000
25.000	1320.000	694.520	.856	1.074	0	256.630	83.443	100.000
30.000	1320.000	693.678	0	.014	0	330.360	0	500.000
30.000	1320.000	694.633	.955	.012	0	223.722	104.638	500.000
30.500	1320.000	693.663	0	.005	0	330.377	0	50.000
30.500	1320.000	694.637	.954	.004	0	223.617	104.760	50.000
31.500	1320.000	693.827	0	.144	0	332.916	0	100.000
31.500	1320.000	694.781	.954	.144	0	235.900	97.001	100.000
32.000	1320.000	693.832	0	.005	0	333.362	0	50.000
32.000	1320.000	694.784	.954	.005	0	206.255	127.107	50.000
35.000	1320.000	693.860	0	.028	0	275.885	0	300.000
35.000	1320.000	694.810	.950	.024	0	163.400	112.485	300.000
38.000	1060.000	693.970	0	.110	0	249.402	0	300.000
38.000	1060.000	694.910	.940	.104	0	137.314	112.080	300.000
41.000	1060.000	694.262	0	.292	0	188.094	0	300.000
41.000	1060.000	695.157	.894	.242	0	73.630	114.456	300.000
48.500	1060.000	701.297	0	7.034	0	184.424	0	750.000

48,500	1860,000	702.188	.491	7.631	0	101.276	83.349	750.000
57,000	760,000	709.936	0	8.640	0	150.238	0	850.000
57,000	760,000	710.908	.972	8.721	0	34.561	115.677	850.000
57,800	760,000	710.510	0	.582	0	181.870	0	80.000
57,800	760,000	711.527	1.008	.618	0	50.631	131.248	80.000
58,500	760,000	711.026	0	1.407	0	200.708	0	70.000
58,500	760,000	712.934	1.008	1.407	0	109.433	95.275	70.000
58,800	760,000	711.950	0	.025	0	205.246	0	30.000
58,800	760,000	712.953	1.003	.020	0	109.991	95.255	30.000
59,500	760,000	711.998	0	.047	0	206.281	0	70.000
59,500	760,000	712.990	.993	.037	0	110.737	95.544	70.000
61,000	760,000	712.120	0	.126	0	184.946	0	150.000
61,000	760,000	713.083	.959	.093	0	92.576	92.371	150.000
63,000	760,000	712.645	0	.522	0	174.186	0	200.000
63,000	760,000	713.400	.764	.326	0	63.643	110.543	200.000
64,500	760,000	714.258	0	1.613	0	187.762	0	150.000
64,500	760,000	714.885	.627	1.476	0	83.217	104.545	150.000
72,000	760,000	721.277	0	7.010	0	130.719	0	750.000
72,000	760,000	722.049	.772	7.164	0	60.843	69.877	750.000
80,000	760,000	722.556	0	7.279	0	110.043	0	800.000
80,000	760,000	729.363	.807	7.313	0	46.331	63.712	800.000
81,000	760,000	740.418	0	11.862	0	114.542	0	100.000
81,000	760,000	740.246	.528	11.583	0	68.323	44.220	100.000
82,000	760,000	741.054	0	.636	0	197.485	0	100.000
82,000	760,000	741.826	.772	.880	0	124.300	73.181	100.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	71.063	0
2	4,000	.109	36.534	-34.529

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-8, 100 YEAR Q

CATDF

J1	ICHECK	INC	MINV	TOTR	SIRT	METRIC	WVINS	C	WSEL	EQ
	-0	4.	-0	-0	-0	-0	-0	-0	677,640	-0
J2	NPRDF	IPLOT	PREVS	XSECV	XSFCH	FN	ALLOC	IPW	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	.080	.040	.080	.100	.300	-0	-0	-0	-0	-0
QT	5,000	690,000	1220,000	1420,000	1420,000	1950,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	-0	10,400	-0	-0	-0	-0
X1	7,000	11,000	40,000	112,000	-0	-0	-0	-0	-0	-0
GR	694,300	0	683,000	50,000	680,300	60,000	678,100	90,000	671,800	92,000
GR	671,500	100,000	672,400	106,000	679,200	112,000	678,700	150,000	681,100	200,000
GR	698,700	250,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	9,500	0	-0	-0	250,000	250,000	250,000	-0	3,500	-0
X1	11,500	0	-0	-0	200,000	200,000	200,000	-0	2,800	-0
X1	14,000	11,000	80,000	122,000	250,000	250,000	250,000	-0	-0	-0
GR	697,600	0	689,900	30,000	687,200	50,000	687,500	80,000	681,900	90,000
GR	681,400	100,000	681,300	110,000	687,400	122,000	689,200	140,000	692,100	150,000
GR	701,200	200,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	21,000	14,000	340,000	365,000	700,000	700,000	700,000	-0	-0	-0
GR	699,200	0	698,100	50,000	693,100	100,000	690,400	150,000	689,200	200,000
GR	682,700	250,000	689,600	300,000	691,200	360,000	680,700	343,000	680,600	350,000
GR	684,800	355,000	690,900	365,000	694,300	400,000	709,000	450,000	-0	-0
X1	30,000	12,000	138,000	165,000	900,000	900,000	900,000	-0	-0	-0
GR	712,300	0	698,700	35,000	695,700	50,000	690,600	100,000	695,800	138,000
GR	691,000	104,000	690,200	150,000	690,100	155,000	698,300	165,000	708,100	200,000
GR	708,800	225,000	715,800	250,000	-0	-0	-0	-0	-0	-0
X1	30,000	0	-0	-0	80,000	80,000	80,000	-0	1,200	-0
X3	10,000	-0	-0	-0	-0	-0	-0	706,400	706,400	-0
NC	.035	.035	.035	.300	.500	-0	-0	-0	-0	-0
X1	31,000	12,000	104,000	154,000	20,000	20,000	20,000	-0	-0	-0
BT	12,000	0	709,900	0	50,000	708,800	0	100,000	708,400	0
BT	700,000	706,500	0	104,000	708,500	704,400	146,000	708,500	706,400	150,000
BT	708,600	706,500	155,000	708,700	706,500	156,000	708,700	706,500	158,000	708,700
BT	0	200,000	710,200	0	250,000	713,300	0	-0	-0	-0
GR	709,900	0	708,800	50,000	708,400	100,000	708,500	140,000	706,400	140,000
GR	691,700	146,000	691,400	150,000	691,800	155,000	706,500	156,000	708,700	158,000
GR	710,200	200,000	713,300	250,000	-0	-0	-0	-0	-0	-0

GR	715,300	0	712,700	50,500	711,800	74,000	710,000	98,000	702,700	100,000
GR	700,800	101,000	701,000	113,000	701,000	117,000	703,600	118,000	704,100	123,000
GR	709,700	124,000	710,300	150,000	711,000	200,000	-0	-0	-0	-0
X1	54,200	0	-0	-0	40,000	40,000	40,000	-0	-0	-0
X2	-0	-0	-0	-0	-0	-0	1,000	-0	-0	-0
NC	,080	,080	,080	,100	,300	-0	-0	-0	-0	-0
X1	54,400	12,000	90,000	135,000	20,000	20,000	20,000	-0	-0	-0
X3	10,000	0	0	0	0	0	0	710,200	710,200	0
GR	708,800	0	708,500	50,000	706,900	90,000	701,600	95,000	700,900	100,000
GR	701,900	105,000	709,000	110,000	708,500	120,000	702,000	125,000	706,300	135,000
GR	708,700	150,000	712,400	200,000	-0	-0	-0	-0	-0	-0
X1	58,000	0	-0	-0	60,000	60,000	60,000	-0	-0	-0
QT	5,000	350,000	615,000	720,000	720,000	960,000	-0	-0	-0	-0
X1	64,000	10,000	145,000	180,000	900,000	900,000	900,000	-0	-0	-0
GR	721,300	0	720,500	50,000	720,500	100,000	713,900	145,000	710,700	145,000
GR	710,300	150,000	711,200	155,000	713,600	160,000	716,700	200,000	723,300	250,000
X1	70,500	10,000	50,000	65	75,000	650,000	650,000	650,000	-0	-0
GR	727,300	0	727,000	30,000	721,300	50,000	715,800	62,000	715,700	66,000
GR	715,700	70,000	720,100	75,000	720,500	100,000	722,400	150,000	729,000	200,000
X1	71,800	0	-0	-0	130,000	130,000	130,000	-0	,400	-0
X3	10,000	-0	-0	-0	-0	-0	-0	721,400	721,400	-0
SB	0	1,500	2,500	200,000	8,000	0	48,000	0	716,400	715,400
X1	73,200	9,000	45,000	50	55,000	140,000	140,000	140,000	-1,500	-0
X2	-0	-0	1,000	721,400	725,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	725,900	725,900	-0
GR	732,600	0	729,800	22,000	721,300	40,000	718,000	45,000	717,900	50,000
GR	718,100	55,000	720,300	60,000	726,000	75,000	725,900	100,000	-0	-0
X1	74,000	0	-0	-0	80,000	80,000	80,000	-0	1,500	-0
X1	76,000	9,000	85,000	110,000	200,000	200,000	200,000	-0	-0	-0
GR	731,800	0	727,500	50,000	724,100	45,000	719,100	95,000	719,000	100,000
GR	718,900	105,000	722,700	110,000	727,000	130,000	727,000	150,000	-0	-0
X1	77,500	0	-0	-0	150,000	150,000	150,000	-0	1,800	-0
X3	10,000	-0	-0	-0	-0	-0	-0	727,400	727,400	-0
SB	0	1,500	2,500	0	15,000	0	100,000	0	0	0
X1	78,200	15,000	87,000	102,000	70,000	70,000	70,000	-0	-0	-0
X2	-0	-0	1,000	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	729,500	729,500	-0
BT	7,000	0	735,400	0	50,000	731,500	0	87,000	729,800	727,500
BT	102,000	729,500	727,500	112,000	729,300	0	150,000	729,700	0	175,000
BT	730,400	0	-0	-0	-0	-0	-0	-0	-0	-0
GR	735,400	0	731,500	50,000	729,800	87,000	727,500	87,000	729,700	88,000
GR	722,400	92,000	721,000	95,000	720,700	98,000	721,100	100,000	722,600	101,000
GR	727,600	102,000	729,500	102,000	729,300	112,000	729,700	150,000	730,600	175,000
X1	79,000	7,000	35,000	50,000	80,000	80,000	80,000	-0	-0	-0
GR	730,700	0	726,700	35,000	721,900	45,000	721,400	50,000	721,300	55,000
GR	733,200	80,000	733,600	100,000	-0	-0	-0	-0	-0	-0
X1	80,000	0	-0	-0	100,000	100,000	100,000	-0	1,100	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,400	728,400	-0
SB	0	1,500	2,500	0	8,000	0	48,000	-0	-0	-0
X1	81,000	9,000	146,000	154,000	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	735,500	735,500	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS L-B FLOODWAY

SECTION CHANNEL MIN EL OF MAX FL OF MIN FL DISCHARGE CWSSEL TO EC TOPWID STENCIL STENCR VCH NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

7.00	-	0	671.50	1420.00	678.05	49.27	680.74	20.98	0	13.13
7.00	-	0	671.50	1420.00	678.60	57.23	680.70	21.51	90.00	11.77
9.50	250.00	0	675.00	1420.00	684.77	173.00	685.05	144.11	0	5.03
9.50	250.00	0	675.00	1420.00	685.92	145.92	685.85	57.45	00.00	5.78
11.50	200.00	0	677.80	1420.00	676.52	107.10	687.20	120.73	0	7.41
11.50	200.00	0	677.80	1420.00	687.63	103.19	688.60	22.00	90.00	7.91
14.00	250.00	0	681.30	1420.00	689.30	185.52	689.63	112.00	0	4.62
14.00	250.00	0	681.30	1420.00	690.51	202.40	690.83	42.00	80.00	4.55
21.00	700.00	0	684.64	1420.00	692.25	274.67	692.32	257.84	0	2.73
21.00	700.00	0	684.64	1420.00	693.25	272.47	693.35	130.79	234.21	2.91
30.00	900.00	0	690.10	1420.00	697.00	105.95	697.45	129.09	0	6.44
30.00	900.00	0	690.10	1420.00	697.98	102.33	698.70	53.10	111.51	7.31
40.80	80.00	0	691.30	1420.00	698.27	59.37	700.27	25.50	0	11.36
40.80	80.00	0	691.30	1420.00	699.52	81.19	700.78	27.00	138.00	9.00
41.00	20.00	0	704.50	1420.00	700.43	82.25	704.51	10.78	0	16.25
41.00	20.00	0	704.50	1420.00	704.40	82.25	704.51	10.78	144.00	16.25
41.20	20.00	0	704.50	1420.00	703.27	120.41	705.40	11.35	0	11.94
41.20	20.00	0	704.50	1420.00	703.27	120.59	705.49	11.36	144.00	11.94
41.40	20.00	0	691.30	1420.00	705.49	242.54	705.80	27.00	0	4.45
41.40	20.00	0	691.30	1420.00	705.50	234.32	705.80	27.00	138.00	4.45
42.00	40.00	0	692.50	1420.00	705.84	908.87	705.87	161.50	0	1.29
42.00	40.00	0	692.50	1420.00	705.85	743.04	705.88	109.43	55.57	1.43
45.70	370.00	0	692.90	1420.00	705.93	1102.47	705.94	273.53	0	1.94
45.70	370.00	0	692.90	1420.00	705.98	904.30	705.98	182.08	59.84	1.10
46.90	120.00	0	694.00	1420.00	705.95	822.20	705.97	260.23	0	1.17
46.90	120.00	0	694.00	1420.00	706.01	659.46	706.04	168.90	0	1.45
49.90	300.00	0	694.50	1420.00	705.95	119.14	706.84	20.00	0	7.63
49.90	300.00	0	694.50	1420.00	706.95	138.40	707.68	20.00	0	6.89
41.50	140.00	0	694.50	1420.00	707.19	450.79	707.21	204.88	0	1.95
41.50	140.00	0	694.50	1420.00	708.02	504.12	708.07	104.44	210.00	1.90
49.00	750.00	0	697.80	1300.00	707.98	252.75	708.12	152.97	0	4.28
49.00	750.00	0	697.80	1300.00	708.67	264.06	709.04	69.11	44.17	4.31
49.80	80.00	0	697.80	1300.00	706.32	45.80	710.44	14.00	0	16.18
49.80	80.00	0	697.80	1300.00	707.24	47.75	710.52	10.00	50.00	14.53
50.00	20.00	0	708.10	1300.00	706.48	147.69	711.11	10.80	0	17.28
50.00	20.00	0	708.10	1300.00	707.11	155.48	711.31	10.80	0	16.45

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CASEL TO EG TOPMID STENCIL STENCH VCH

50.70	70.00	712.50	708.80	698.40	1300.00	707.19	147.69	711.81	16.40	0	17.24	16.83
50.90	20.00	0	698.40	698.40	1300.00	712.24	550.32	712.30	169.42	0	1.77	2.19
52.00	110.00	0	699.80	699.80	1300.00	712.33	375.25	712.30	164.26	0	2.40	2.97
52.00	110.00	0	699.80	699.80	1300.00	712.42	305.58	712.52	80.57	0	2.40	2.97
53.50	150.00	0	700.80	700.80	1300.00	712.20	102.95	713.08	18.00	0	7.54	7.32
53.50	150.00	0	700.80	700.80	1300.00	712.51	107.65	713.50	18.00	0	7.54	7.32
55.80	70.00	710.20	706.80	706.80	1300.00	713.29	362.79	713.41	161.33	0	2.50	2.50
53.80	30.00	710.20	704.80	704.80	1300.00	713.43	272.52	713.64	72.54	0	2.50	3.40
54.20	40.00	710.20	706.80	706.80	1300.00	713.34	372.34	713.44	162.43	0	2.52	3.31
54.20	40.00	710.20	706.80	706.80	1300.00	713.53	290.42	713.75	72.83	0	2.52	3.31
54.40	20.00	0	700.90	700.90	1300.00	713.44	431.25	713.48	200.00	0	1.40	1.40
54.40	20.00	0	700.90	700.90	1300.00	713.73	545.53	713.78	120.42	0	1.40	1.64
55.00	60.00	0	700.90	700.90	1300.00	713.48	635.79	713.51	200.00	0	1.40	1.40
55.00	60.00	0	700.90	700.90	1300.00	713.78	550.49	713.82	120.30	0	1.40	1.64
64.00	900.00	0	710.30	715.60	720.00	715.60	341.90	716.60	53.22	0	8.98	8.98
64.00	900.00	0	710.30	715.60	720.00	715.60	24.78	717.54	15.00	0	8.98	11.62
70.50	650.00	0	715.70	722.89	720.00	722.89	112.03	723.03	109.15	0	3.41	3.41
70.50	650.00	0	715.70	722.89	720.00	722.89	117.50	724.41	34.03	0	3.41	3.52
71.80	130.00	0	716.10	723.41	720.00	723.41	119.01	723.52	110.46	0	3.24	3.24
71.80	130.00	0	716.10	723.41	720.00	723.41	122.53	724.88	37.88	0	3.24	3.37
73.20	140.00	0	716.40	724.34	720.00	724.34	45.35	725.60	10.00	0	9.15	7.84
73.20	140.00	0	716.40	725.60	720.00	725.60	48.33	726.60	10.00	0	9.15	9.15
74.00	80.00	0	717.90	726.12	720.00	726.12	125.79	726.32	70.20	0	4.30	4.30
74.00	80.00	0	717.90	726.12	720.00	726.12	131.03	727.18	22.47	0	4.30	4.40
76.00	200.00	0	718.90	726.84	720.00	726.84	117.71	727.02	72.29	0	3.60	3.97
76.00	200.00	0	718.90	727.64	720.00	727.64	109.36	727.90	25.00	0	3.60	3.97
77.50	150.00	0	720.70	727.52	720.00	727.52	78.49	727.87	54.06	0	4.80	4.80
77.50	150.00	0	720.70	728.41	720.00	728.41	84.21	728.70	25.00	0	4.80	4.80
78.20	70.00	720.30	727.50	728.03	720.00	728.03	18.84	729.85	12.33	0	10.82	10.82
78.20	70.00	729.30	727.50	728.70	720.00	728.70	19.17	730.50	10.43	0	10.82	10.82
79.00	80.00	0	721.30	730.45	720.00	730.45	158.20	730.52	72.01	0	2.68	2.68
79.00	80.00	0	721.30	731.11	720.00	731.11	153.86	731.22	40.42	0	2.68	2.71
80.00	100.00	0	722.40	730.67	720.00	730.67	121.85	730.82	62.54	0	3.25	3.11
80.00	100.00	0	722.40	731.35	720.00	731.35	127.16	731.50	35.80	0	3.25	3.11

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	T.W.	EG	TOPWID	STENCI	STENCH	VEP
A1.00	100.00	0	0	723.70	720.00	734.64	33.35	735.71	0.00	0.750	0	8.21
A1.00	100.00	0	0	723.70	720.00	735.34	35.78	736.27	0.00	106.00	150.00	7.73
A1.50	50.00	0	0	723.90	720.00	735.83	489.80	735.85	100.00	0.50	0	1.20
A1.50	50.00	0	0	723.90	720.00	736.37	490.83	736.30	78.04	11.20	89.29	1.24
A8.00	650.00	0	0	728.90	720.00	736.11	142.53	736.21	80.41	0.700	0	3.01
A8.00	650.00	0	0	728.90	720.00	736.63	132.17	736.72	45.15	46.99	112.15	3.42

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-MSFLK	TOPWID	T.W. DIFF	LENGTH
7.000	1420.000	678.055	0	0	0	20.975	0	0
7.000	1420.000	678.640	.585	0	0	21.506	-.531	0
9.500	1420.000	680.770	0	6.715	0	140.100	0	250.000
9.500	1420.000	685.396	.626	6.756	0	51.354	92.755	250.000
11.500	1420.000	686.520	0	1.754	0	120.727	0	200.000
11.500	1420.000	687.632	1.107	2.235	0	22.001	98.726	200.000
14.000	1420.000	680.340	0	2.816	0	111.990	0	250.000
14.000	1420.000	690.507	1.167	2.875	0	42.001	69.998	250.000
21.000	1420.000	692.250	0	2.910	0	257.840	0	700.000
21.000	1420.000	693.249	.099	2.743	0	130.790	127.050	700.000
30.000	1420.000	696.995	0	4.745	0	120.093	0	900.000
30.000	1420.000	697.970	.983	4.720	0	53.098	75.995	900.000
30.800	1420.000	698.268	0	1.273	0	25.497	0	80.000
30.800	1420.000	698.517	1.240	1.539	0	27.000	-1.503	80.000
31.000	1420.000	700.431	0	2.163	0	10.775	0	20.000
31.000	1420.000	700.431	0	.910	0	10.775	0	20.000
31.200	1420.000	703.267	0	2.836	0	11.354	0	20.000
31.200	1420.000	703.274	.006	2.842	0	11.354	-.003	20.000
31.400	1420.000	705.493	0	2.226	0	27.000	0	20.000
31.400	1420.000	705.498	.005	2.220	0	27.000	0	20.000
32.000	1420.000	705.840	0	.351	0	163.501	0	60.000
32.000	1420.000	705.850	.006	.352	0	109.430	54.071	60.000
35.700	1420.000	705.920	0	.085	0	273.532	0	370.000
35.700	1420.000	705.976	.047	.126	0	182.078	91.455	370.000
36.900	1420.000	705.952	0	.023	0	269.228	0	120.000
36.900	1420.000	705.000	.057	.032	0	168.903	100.325	120.000
39.900	1420.000	705.953	0	.001	0	20.000	0	300.000
39.900	1420.000	706.953	1.000	.945	0	20.000	0	300.000
41.500	1420.000	707.193	0	1.240	0	206.881	0	160.000
41.500	1420.000	708.018	.825	1.065	0	105.562	101.319	160.000
48.000	1300.000	707.981	0	.788	0	152.971	0	750.000
49.000	1300.000	708.807	.885	.849	0	69.113	83.857	750.000
49.800	1300.000	706.332	0	1.649	0	10.000	0	80.000

7-1-57

49,800	1300,000	707,243	.911	-1,624	0	10,000	0	80,000
50,000	1300,000	706,475	0	.143	0	10,800	0	20,000
50,000	1300,000	707,111	.635	-.132	0	10,800	0	20,000
50,700	1300,000	707,175	0	.700	0	10,800	0	70,000
50,700	1300,000	707,514	.338	.403	0	10,800	0	70,000
50,900	1300,000	712,262	0	5,087	0	160,423	0	20,000
50,900	1300,000	712,319	.057	4,806	0	95,955	73,468	20,000
52,000	1300,000	712,328	0	.066	0	166,258	0	110,000
52,000	1300,000	712,415	.087	.096	0	80,560	85,690	110,000
53,500	1300,000	712,196	0	-.132	0	18,000	0	150,000
53,500	1300,000	712,506	.300	.090	0	18,001	-.001	150,000
53,800	1300,000	713,289	0	1,093	0	161,335	0	30,000
53,800	1300,000	713,426	.136	.920	0	72,544	88,791	30,000
54,200	1300,000	713,345	0	.055	0	162,425	0	40,000
54,200	1300,000	713,531	.187	.106	0	73,827	88,598	40,000
54,400	1300,000	713,457	0	.112	0	200,000	0	20,000
54,400	1300,000	713,744	.280	.215	0	120,024	79,976	20,000
55,000	1300,000	713,483	0	.024	0	200,000	0	60,000
55,000	1300,000	713,781	.298	.034	0	120,300	79,701	60,000
64,000	720,000	715,642	0	2,159	0	53,218	0	900,000
64,000	720,000	715,464	-.178	1,483	0	15,001	38,217	900,000
70,500	720,000	722,890	0	7,252	0	109,351	0	650,000
70,500	720,000	724,228	1,335	8,765	0	36,031	73,320	650,000
71,800	720,000	723,413	0	.510	0	110,661	0	130,000
71,800	720,000	724,710	1,297	.482	0	37,877	72,785	130,000
73,200	720,000	724,338	0	.924	0	10,000	0	140,000
73,200	720,000	725,636	1,297	.924	0	10,000	0	140,000
74,000	720,000	726,121	0	1,784	0	70,195	0	80,000
74,000	720,000	726,932	.811	1,296	0	23,675	46,521	80,000
76,000	720,000	726,835	0	.710	0	72,387	0	200,000
76,000	720,000	727,655	.820	.723	0	25,001	47,384	200,000
77,500	720,000	727,531	0	.696	0	55,960	0	150,000
77,500	720,000	728,406	.874	.750	0	25,001	30,963	150,000
78,200	720,000	728,029	0	.498	0	13,327	0	70,000
78,200	720,000	728,735	.704	.330	0	14,033	-.706	70,000
79,000	720,000	730,447	0	2,418	0	72,007	0	80,000
79,000	720,000	731,110	.666	2,378	0	40,418	31,390	80,000
80,000	720,000	730,475	0	.227	0	62,530	0	100,000
80,000	720,000	731,351	.676	.237	0	38,804	23,735	100,000
81,000	720,000	734,661	0	3,086	0	8,000	0	100,000
81,000	720,000	735,337	.676	3,086	0	8,000	0	100,000
81,500	720,000	735,833	0	1,172	0	100,001	0	50,000
81,500	720,000	736,375	.542	1,038	0	78,040	21,957	50,000

88.000 120.000 156.631 .517 .256 0 45.152 44.459 450.000

DATA FOR LAST CROSS SECTION

PROFILE TYPE ENC TARGET TOP WIDTH AREA=ACRES AREA=ACRES

1 0 0 20.470 12.355 12.115
2 0 0 4.000 .310

26.00 2550, C
2600, C

LR WE M

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB L-P-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TW	EG	TOPWID	STENCL	STENCR	VCH
0	=0	0	0	700.90	725.00	710.14	201.64	710.10	160.46	0	0	2.03
0	=0	0	0	700.90	725.00	711.14	197.36	711.21	59.89	75.11	135.00	2.20
7.50	750.00	0	0	709.60	725.00	716.25	41.61	716.84	122.09	0	0	7.43
7.50	750.00	0	0	709.60	725.00	716.58	29.46	718.24	21.08	90.00	111.06	10.50
7.70	20.00	0	0	710.00	725.00	716.97	55.89	717.30	131.83	0	0	5.86
7.70	20.00	0	0	710.00	725.00	718.36	60.87	718.87	31.78	90.00	121.78	6.07
8.30	60.00	0	0	710.00	725.00	719.51	269.84	719.58	185.37	0	0	1.70
8.30	60.00	0	0	710.00	725.00	720.91	315.28	720.90	80.97	66.46	156.43	1.66
8.50	20.00	0	0	711.00	725.00	719.53	330.86	719.55	200.00	0	0	1.59
8.50	20.00	0	0	711.00	725.00	720.92	382.87	720.95	94.58	50.19	144.78	1.59
15.40	690.00	0	0	720.60	725.00	724.34	39.46	725.03	81.28	0	0	8.28
15.40	690.00	0	0	720.60	725.00	724.77	29.93	726.20	23.89	43.00	66.89	10.48
26.00	1060.00	0	0	728.20	725.00	736.11	100.84	736.39	70.30	0	0	4.37
26.00	1060.00	0	0	728.20	725.00	737.01	113.41	737.27	29.00	85.00	114.00	4.05

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-CWSELK	TOPWID	T.W. DIFF	LENGTH
0	725.000	710.140	0	0	0	169.450	0	=0
0	725.000	711.140	1.000	0	0	59.890	100.560	=0
7.500	725.000	716.250	0	6.110	0	122.991	0	750.000
7.500	725.000	716.583	.333	5.443	0	21.083	101.908	750.000
7.700	725.000	716.967	0	.717	0	131.827	0	20.000
7.700	725.000	718.365	1.398	1.782	0	31.780	100.043	20.000
8.300	725.000	719.513	0	2.546	0	185.370	0	60.000
8.300	725.000	720.911	1.398	2.546	0	80.971	95.400	60.000
8.500	725.000	719.520	0	.017	0	200.000	0	20.000
8.500	725.000	720.925	1.395	.014	0	94.580	105.414	20.000
15.400	725.000	724.350	0	4.830	0	81.274	0	690.000
15.400	725.000	724.762	.410	3.845	0	23.880	57.367	690.000
26.000	725.000	736.115	0	11.755	0	70.303	0	1060.000
26.000	725.000	737.013	.898	12.244	0	29.001	50.302	1060.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	7.065	0
2	4.000	.170	2.417	-4.647

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

Floodway

stay 10' from bank and
 add 1' elev. to natural for Floodway elev.
 CATOF
 where ENCR is computed
 to Bank Stations.

T1	GASTONIA NORTH CAROLINA										
T2	FLOOD INSURANCE STUDY										
T3	TRIBUTARY L-8-2, 100 YEAR W										
J1	ICHECK	IND	NINV	TDIR	STRT	METRIC	WVINS	Q	WSFL	FG	ENCR
	-0	4	-0	-0	-0	-0	-0	-0	710.140	-0	-0
J2	NPROF	IPLDT	PREVS	XSECV	YSECH	FN	ALDLC	IRW	CHNTM	TTRACE	
	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	-0
NC	.080	.050	.070	.100	.300	-0	-0	-0	-0	-0	-0
BT	5.000	300.000	550.000	430.000	430.000	820.000	-0	-0	-0	-0	-0
ET	-0	-0	-0	-0	10.400	-0	-0	-0	-0	-0	-0
X1	1.000	15.000	91.000	114.000	-0	-0	-0	-0	-0	-0	-0
GR	719.500	0	717.200	50.000	717.300	60.000	708.600	85.000	708.600	91.000	-0
GR	704.100	95.000	703.700	100.000	704.500	103.000	709.600	114.000	711.000	150.000	-0
GR	711.300	200.000	711.100	225.000	718.700	250.000	725.000	265.000	724.900	300.000	-0
X1	1.500	0	-0	-0	50.000	50.000	50.000	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	719.000	719.000	-0	-0
SB	0	1.500	2.500	0	7.500	0	45.000	0	705.400	704.000	-0
X1	2.900	0	96.300	103.800	140.000	140.000	140.000	-0	-0	-0	-0
X2	-0	-0	1.000	711.400	719.000	0	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	719.900	719.900	-0	-0
BT	6.000	0	719.000	0	50.000	719.400	0	94.300	719.900	711.400	-0
BT	103.800	719.900	711.400	150.000	720.700	0	200.000	721.200	0	-0	-0
GR	719.000	0	719.400	50.000	719.900	96.300	705.400	94.300	705.400	103.800	-0
GR	719.900	103.800	720.700	150.000	721.900	200.000	-0	-0	-0	-0	-0
X1	3.500	10.000	70.000	122.000	60.000	60.000	60.000	-0	-0	-0	-0
GR	720.100	0	719.700	50.000	719.200	70.000	705.800	95.000	705.100	100.000	-0
GR	705.200	103.000	720.300	122.000	720.900	150.000	722.600	200.000	725.100	250.000	-0
X1	5.500	0	-0	-0	200.000	200.000	200.000	-0	3.000	-0	-0
X1	7.500	10.000	118.000	124.000	200.000	200.000	200.000	-0	-0	-0	-0
GR	722.100	0	714.500	50.000	715.500	100.000	713.700	118.000	711.000	119.000	-0
GR	711.000	121.000	711.400	123.000	714.300	124.000	715.300	150.000	720.300	200.000	-0
X1	8.000	0	-0	-0	50.000	50.000	50.000	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	721.100	721.100	-0	-0
SB	0	1.500	2.500	0	6.000	0	36.000	0	711.800	711.100	-0
X1	9.200	6.000	97.000	103.000	120.000	120.000	120.000	-0	-0	-0	-0
X2	-0	-0	1.000	717.800	722.100	-0	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	722.500	722.500	-0	-0
BT	6.000	0	722.900	0	50.000	722.100	0	97.000	722.500	717.800	-0
				150.000	722.900	0	200.000	728.600	0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB L-A-2 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF TOP CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EA	TOPWTD	STENCI	STENCH	VCH
1.00	-0	0	0	703.70	630.00	710.14	53.54	710.6A	47.31	0	0	6.03
1.00	-0	0	0	703.70	630.00	711.14	67.31	711.5A	23.00	91.00	114.00	5.19
1.50	50.00	0	0	703.70	630.00	710.81	61.48	711.2A	23.00	0	0	5.53
1.50	50.00	0	0	703.70	630.00	711.59	76.47	711.9A	23.00	91.00	114.00	4.77
2.90	140.00	0	0	705.40	630.00	713.63	25.38	715.37	7.50	0	0	9.95
2.90	140.00	0	0	705.40	630.00	714.62	28.23	715.91	7.50	96.30	103.80	9.11
3.50	60.00	0	0	705.10	630.00	715.70	154.91	715.81	38.90	0	0	2.63
3.50	60.00	0	0	705.10	630.00	716.1A	171.33	716.27	40.34	70.00	122.00	2.44
5.50	200.00	0	0	708.10	630.00	716.35	83.04	716.42	31.12	0	0	4.19
5.50	200.00	0	0	708.10	630.00	716.53	92.34	716.77	32.31	70.00	122.00	3.87
7.50	200.00	0	0	711.00	630.00	717.47	83.86	717.5A	130.26	0	0	3.60
7.50	200.00	0	0	711.00	630.00	717.70	65.98	718.00	47.96	88.15	136.12	4.66
8.00	50.00	0	0	711.00	630.00	718.60	17.85	722.00	4.00	0	0	15.01
8.00	50.00	0	0	711.00	630.00	718.5A	17.73	722.00	4.00	118.00	124.00	15.05
9.20	120.00	0	0	711.80	630.00	721.00	20.27	723.00	4.00	0	0	11.37
9.20	120.00	0	0	711.80	630.00	721.02	20.24	723.02	4.00	97.00	103.00	11.30
10.00	80.00	0	0	711.90	630.00	723.2A	470.82	723.29	113.14	0	0	1.26
10.00	80.00	0	0	711.90	630.00	723.27	416.74	723.50	69.10	56.53	125.63	1.45
16.50	650.00	0	0	719.20	630.00	723.31	27.53	724.44	38.38	0	0	8.50
16.50	650.00	0	0	719.20	630.00	723.24	25.90	724.44	30.00	130.00	160.00	8.8A
26.50	1000.00	0	0	730.50	630.00	738.22	78.94	738.53	42.49	0	0	4.51
26.50	1000.00	0	0	730.50	630.00	738.41	79.99	738.71	24.19	20.00	120.00	4.42
37.00	1050.00	0	0	745.90	630.00	751.70	20.06	753.17	19.28	0	0	9.76
37.00	1050.00	0	0	745.90	630.00	751.71	28.64	753.10	15.18	40.00	62.00	9.75

SECTION NUMBER	DISCHARGE CFS	CWSEL	CASEL DIFF EACH W	CASEL DIFF EACH SECTION	CASEL-WSFLX	TOPWTD	T.W. DIFF	LENGTH
1.000	630.000	710.140	0	0	0	47.311	0	-0
1.000	630.000	711.140	1.000	0	0	23.001	20.310	-0
1.500	630.000	710.80A	0	.66A	0	23.000	0	50.000
1.500	630.000	711.590	.78A	.454	0	23.000	0	50.000
2.900	630.000	713.835	0	3.027	0	7.500	0	140.000
2.900	630.000	714.621	.784	3.027	0	7.500	0	140.000
3.500	630.000	715.702	0	1.867	0	38.895	0	60.000
3.500	630.000	716.17A	.470	1.555	0	40.341	-1.446	60.000
5.500	630.000	716.147	0	.445	0	31.11A	0	200.000
5.500	630.000	716.535	.38A	.35A	0	32.311	-1.193	200.000
7.500	630.000	717.469	0	1.322	0	130.250	0	200.000

7.500	630.000	717.786	.316	1.251	0	47.963	82.297	200.000
8.000	630.000	718.597	0	1.127	0	6.000	0	50.000
8.000	630.000	718.579	-.018	.793	0	6.000	0	50.000
9.200	630.000	721.036	0	2.439	0	6.000	0	120.000
9.200	630.000	721.018	-.018	2.439	0	6.000	0	120.000
10.000	630.000	723.279	0	2.243	0	113.145	0	80.000
10.000	630.000	723.275	-.005	2.257	0	69.103	44.041	80.000
16.500	630.000	723.305	0	.026	0	38.379	0	650.000
16.500	630.000	723.239	-.066	-.036	0	30.001	8.378	650.000
26.500	630.000	738.219	0	14.914	0	46.487	0	1000.000
26.500	630.000	738.410	.191	15.171	0	26.184	20.301	1000.000
37.000	630.000	751.696	0	13.477	0	10.274	0	1050.000
37.000	630.000	751.710	.014	13.305	0	16.177	3.099	1050.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3.754	0
2	4.000	.025	2.471	-1.283

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=9,100 YEAR G CATOF

J1	ICHECK	INO	MINV	IDIP	STRT	METRIC	UVINS	Q	WSFL	FG		
	-0	4.	-0	-0	-0	-0	-0	-0	683.900	-0		
J2	NPROF	IPILOT	PRFVS	YSECV	YSECH	FN	ALLDC	IRK	CHNTM	IIRACE		
	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	.100	.100	.060	.100	.300							
QT	5.000	750.000	1400.000	1750.000	1750.000	2800.000						
ET	-0	-0	-0	-0	10.400							
X1	7.700	20.000	91.000	112.000							-1.600	-0
GR	701.900	0	694.200	42.000	692.000	50.000	682.800	78.000	682.500	91.000		
GR	679.100	93.000	692.200	100.000	679.400	106.000	683.000	112.000	682.300	150.000		
GR	662.600	180.000	687.900	198.000	687.800	200.000	688.000	203.000	688.100	207.000		
GR	699.100	250.000	703.100	265.000	707.500	277.000	706.800	280.000	710.700	300.000		
X1	16.300	20.000	158.000	189.000	660.000	660.000	660.000				-1.600	-0
GR	693.000	0	690.800	30.000	691.600	34.000	687.600	50.000	684.800	72.000		
GR	684.300	100.000	684.500	150.000	684.900	158.000	681.700	160.000	680.700	170.000		
GR	680.700	177.000	680.900	189.000	684.900	200.000	685.300	250.000	686.300	300.000		
GR	689.500	345.000	690.300	350.000	692.100	357.000	691.400	361.000	691.200	369.000		
X1	14.800	0	-0	-0	50.000	50.000	50.000				-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0		684.200	684.200	-0	-0
SB	0	1.500	2.500	0	10.000	0	50.000		2.000	-0	-0	-0
X1	17.500	23.000	180.000	210.000	70.000	70.000	70.000				-1.600	-0
X2	-0	-0	1.000	684.400	686.200						-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0		684.200	684.200	-0	-0
BT	11.000	0	691.400	0	50.000	689.000	0	100.000	687.300	0		
BT	150.000	680.400	0	180.000	686.200	684.400	210.000	686.200	684.400	250.000		
BT	686.400	0	300.000	686.800	0	350.000	687.700	0	400.000	689.800		
BT	0	450.000	692.300	0	0	0	0	0	0	0		
GR	692.400	0	692.300	0.000	691.100	0.000	687.600	50.000	684.500	100.000		
GR	684.700	150.000	686.000	180.000	684.500	185.000	683.500	188.000	680.900	190.000		
GR	680.900	200.000	685.400	214.000	685.400	250.000	685.400	255.000	680.400	250.000		
GR	680.800	245.000	686.100	300.000	686.200	350.000	686.800	372.000	692.700	390.000		
GR	693.300	400.000	694.300	438.000	694.700	450.000	694.700	0	0	0		
X1	18.000	0	0	-0	50.000	50.000	50.000				-0	-0
X1	24.500	24.000	386.000	415.000	650.000	650.000	650.000				-1.600	-0
GR	705.000	0	690.700	100.000	697.800	150.000	694.600	200.000	693.200	223.000		
GR	694.400	229.000	692.500	242.000	692.400	250.000	691.600	300.000	691.600	350.000		
GR	692.100	356.000	683.400	395.000	682.900	400.000	683.700	408.000	691.800	415.000		
GR	691.400	430.000	686.400	446.000	685.600	450.000	686.800	458.000	687.700	500.000		

GR	697,800	544,000	697,400	550,000	698,400	588,000	705,000	700,000	-0	-0
X1	25,000	0	-0	-0	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	696,000	696,000	-0
SB	1,250	1,500	2,500	0	18,000	2,000	725,000	7,500	-0	-0
X1	26,000	19,000	400,000	500,000	100,000	100,000	100,000	-0	-1,600	-0
X2	-0	-0	1,000	694,000	696,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	696,000	696,000	-0
BT	6,000	0	703,400	0	200,000	696,000	0	400,000	696,000	694,000
BT	500,000	696,000	694,000	650,000	696,500	0	750,000	698,400	0	-0
GR	700,000	200,000	692,000	300,000	691,200	338,000	689,100	350,000	687,100	400,000
GR	688,500	415,000	688,000	432,000	683,500	435,000	683,500	450,000	688,300	455,000
GR	688,400	466,000	689,400	485,000	695,600	500,000	695,000	550,000	696,100	600,000
GR	698,100	602,000	698,800	610,000	698,600	650,000	700,000	700,000	-0	-0
X1	27,000	-0	-0	-0	100,000	100,000	100,000	-0	-0	-0
X1	32,000	-0	-0	-0	500,000	500,000	500,000	-0	1,500	-0
X1	37,000	21,000	290,000	316,000	500,000	500,000	500,000	-0	-2,700	-0
GR	699,800	0	698,500	50,000	697,400	100,000	697,200	150,000	696,400	200,000
GR	696,700	250,000	695,600	280,000	692,900	290,000	688,200	295,000	687,900	300,000
GR	687,800	305,000	690,800	307,000	693,600	316,000	693,500	328,000	694,900	333,000
GR	693,800	343,000	693,600	350,000	694,300	400,000	695,600	450,000	696,500	500,000
GR	703,900	550,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	40,000	-0	-0	-0	300,000	300,000	300,000	-0	1,100	-0
X1	42,000	-0	-0	-0	200,000	200,000	200,000	-0	1,000	-0
X3	10,000	-0	-0	-0	-0	-0	-0	702,000	702,000	-0
SB	1,250	1,500	2,500	0	31,000	0,000	216,000	0	-0	-0
X1	44,000	14,000	385,000	416,000	200,000	200,000	200,000	-0	-2,300	-0
X2	-0	-0	1,000	695,000	702,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	702,000	702,000	-0
BT	8,000	0	703,700	0	100,000	702,500	0	200,000	701,800	0
BT	300,000	701,800	0	385,000	701,900	695,000	416,000	701,900	695,000	500,000
BT	703,400	0	600,000	705,300	0	-0	-0	-0	-0	-0
GR	705,000	0	701,200	100,000	697,500	200,000	695,400	250,000	695,000	300,000
GR	694,300	375,000	695,700	385,000	689,500	385,000	689,500	416,000	695,500	415,000
GR	694,300	450,000	694,500	489,000	696,000	500,000	705,000	600,000	-0	-0
X1	45,000	0	0	0	100,000	100,000	100,000	-0	.700	-0
X1	50,000	0	0	0	500,000	500,000	500,000	-0	1,700	-0
BT	5,000	680,000	1200,000	1400,000	1400,000	2000,000	-0	-0	-0	-0
X1	57,000	15,000	232,000	262,000	700,000	700,000	700,000	-0	-1,700	-0
GR	714,400	0	709,400	50,000	703,500	100,000	701,600	150,000	701,400	200,000
GR	701,800	232,000	694,500	244,000	693,800	250,000	693,900	255,000	701,600	262,000
GR	701,800	300,000	701,900	339,000	703,500	350,000	711,100	400,000	714,000	450,000
X1	62,000	0	0	0	500,000	500,000	500,000	-0	1,700	-0
X1	65,000	0	0	0	300,000	300,000	300,000	-0	1,600	-0
X1	69,800	14,000	283,000	310,000	480,000	480,000	480,000	-0	-1,600	-0
GR	725,000	0	711,200	100,000	709,100	150,000	708,700	200,000	708,800	250,000
GR	708,800	283,000	699,600	295,000	699,500	300,000	700,000	305,000	706,500	310,000
GR	710,800	350,000	718,600	400,000	722,300	432,000	725,200	450,000	-0	-0
X1	72,800	-0	-0	-0	300,000	300,000	300,000	-0	1,600	-0
X1	75,800	-0	-0	-0	300,000	300,000	300,000	-0	3,400	-0

X1	80,000	14,000	233,000	245 257,000	420,000	420,000	420,000	-0	13,400	-0
GR	730,000	0	715,700	100,000	716,000	200,000	715,800	233,000	713,500	244,000
GR	711,000	245,000	710,800	250,000	711,000	255,000	714,900	257,000	715,500	300,000
GR	710,600	350,000	715,000	385,000	716,500	400,000	730,000	500,000	-0	-0
QT	5,000	540,000	950,000	1110,000	1110,000	1440,000	-0	-0	-0	-0
X1	83,000	-0	-0	-0	300,000	300,000	300,000	-0	1,400	-0
X1	86,000	-0	-0	-0	300,000	300,000	300,000	-0	2,400	-0
X1	80,500	12,000	100,000	154,000	350,000	350,000	350,000	-0	-2,400	-0
GR	729,100	0	721,900	50,000	721,100	100,000	721,900	146,000	718,700	147,000
GR	718,600	150,000	718,600	151,000	722,200	154,000	721,500	200,000	721,300	250,000
GR	721,200	265,000	731,600	300,000	-0	-0	-0	-0	-0	-0
X1	92,000	0	0	0	250,000	250,000	250,000	-0	2,000	-0
X1	92,500	-0	-0	-0	50,000	50,000	50,000	-0	400	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,000	728,000	-0
SB	0	2,000	2,500	0	12,000	0	135,000	500	-0	-0
X1	93,500	12,000	232,000	260,000	100,000	100,000	100,000	-0	-900	-0
X2	-0	-0	1,000	725,400	728,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,000	728,000	-0
BT	8,000	0	737,500	0	100,000	730,000	0	150,000	728,000	0
BT	200,000	728,000	0	232,000	728,000	725,400	260,000	728,000	725,400	300,000
BT	728,500	0	450,000	730,400	0	-0	-0	-0	-0	-0
GR	735,000	0	728,400	100,000	722,800	150,000	722,500	200,000	723,600	232,000
GR	720,500	242,000	720,500	254,000	723,800	250,000	722,100	300,000	722,600	350,000
GR	728,800	400,000	735,000	500,000	-0	-0	-0	-0	-0	-0
X1	95,000	-0	-0	-0	50,000	50,000	50,000	-0	900	-0
X1	96,500	-0	-0	-0	150,000	150,000	150,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,700	728,700	-0
SB	0	1,500	2,500	0	0,700	0	17,000	0	-0	-0
X1	97,200	19,000	197,000	203,000	70,000	70,000	70,000	-0	-2,800	-0
X2	-0	-0	1,000	724,400	726,700	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	724,800	724,800	-0
BT	10,000	0	735,000	0	50,000	730,000	0	100,000	728,800	0
BT	197,000	720,700	721,500	195,000	724,700	724,100	200,000	726,700	724,400	202,000
BT	726,400	724,100	203,000	726,700	721,500	365,000	726,600	0	500,000	735,000
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	735,000	0	732,200	50,000	730,800	100,000	725,600	150,000	725,500	140,000
GR	721,500	197,000	721,100	198,000	720,800	200,000	721,100	201,000	721,500	203,000
GR	724,900	205,000	724,200	250,000	723,500	300,000	724,000	350,000	720,200	400,000
GR	725,800	420,000	728,000	425,000	728,000	450,000	729,700	500,000	-0	-0
X1	97,700	0	0	0	50,000	50,000	50,000	-0	1,200	-0
QT	5,000	325,000	580,000	680,000	680,000	880,000	-0	-0	-0	-0
X1	100,000	0	0	0	230,000	230,000	230,000	-0	1,400	-0
X1	106,000	6,000	27,000	100,000	600,000	600,000	600,000	-0	-7,200	-0
GR	747,200	0	739,900	27,000	738,600	50,000	739,800	100,000	739,800	150,000
GR	745,900	200,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	112,000	-0	-0	-0	600,000	600,000	600,000	-0	7,200	-0
X1	118,000	-0	-0	-0	600,000	600,000	600,000	-0	8,400	-0
X1	122,000	10,000	95,000	105,000	400,000	400,000	400,000	-0	-7,700	-0
GR	783,200	0	773,100	50,000	762,700	95,000	760,600	96,000	760,300	100,000
GR	760,800	104,000	762,600	105,000	778,200	140,000	779,300	150,000	784,000	200,000

CCHV# .100 CEHV# .300

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIMS	WSELK	FG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOP	ACH	AROR	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTM	ELMIN	RSTA
SCOPE	YLOBL	YLCH	YLOBP	ITRIAL	TDC	ICONT	CORAP	TOPWID	FNAST
7.70	6.40	683.90	0	683.90	684.41	.51	0	0	680.00
1750.	229.	404.	1117.	48.	55.	214.	0	0	681.40
0	4.75	7.36	5.22	.100	.060	.100	0	677.50	69.78
.070879	0	0	0	0	0	1	0	113.35	189.45
16.30	8.23	687.33	0	0	687.40	.07	2.98	.04	683.30
1750.	577.	567.	506.	434.	219.	440.	14.	4.	683.30
.12	1.33	3.04	1.15	.100	.060	.100	.060	679.10	44.72
.001231	860.	840.	850.	6	0	1	0	292.14	334.26
16.80	8.29	687.39	0	0	687.46	.07	.06	.00	683.30
1750.	579.	561.	510.	442.	222.	450.	15.	4.	683.30
.13	1.31	2.95	1.13	.100	.060	.100	.060	679.10	44.43
.001168	50.	50.	50.	2	0	1	0	293.43	337.86

SPECIAL BRIDGE

5070 VARIABLE FLOW OR FLOW ON CARD SR NOT SPECIFIED

SB	YK	XKOK	COEQ	SOLEN	RWC	RWP	RAREA	SS	FLOHD	FLOHD
0	1.50	2.50	0	10.00	0	80.00	2.00	679.10	679.10	

PRESSURE AND AIR FLOW

EGPKS	FGIWC	H3	QWETR	QPR	RAREA	FLIC	ELTRD	CLASS	
698.54	687.46	0	1279.	485.	80.	680.00	686.20	30.00	
17.50	8.91	688.21	0	0	688.25	.07	.79	0	684.40
1750.	611.	510.	421.	612.	238.	655.	17.	5.	683.80
.15	1.00	2.18	.05	.100	.060	.100	.060	679.30	24.06
.000633	70.	70.	70.	2	0	5	0	357.14	381.20
18.00	8.95	688.25	0	0	688.28	.07	.83	.00	684.40
1750.	611.	517.	622.	618.	239.	661.	19.	5.	683.80
.16	.89	2.16	.04	.100	.060	.100	.060	679.30	23.41
.000616	50.	50.	50.	1	0	1	0	357.71	381.31

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIMS	WSELK	FG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOP	ACH	AROR	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTM	ELMIN	RSTA

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB. L-9 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFR)	CASEI	TG	EG	TOPWTD	STENCI	STFPCR	VCH
7.70	-0	0	0	677.50	1750.00	683.90	90.59	680.41	113.35	0	0	7.36
7.70	-0	0	0	677.50	1750.00	684.90	97.36	685.65	62.36	91.00	159.08	7.61
16.30	860.00	0	0	679.10	1750.00	687.33	498.81	687.40	292.14	0	0	3.04
16.30	860.00	0	0	679.10	1750.00	688.43	514.09	688.53	145.14	104.00	240.21	3.25
16.80	50.00	0	0	679.10	1750.00	687.30	512.10	687.44	293.43	0	0	2.98
16.80	50.00	0	0	679.10	1750.00	688.50	526.51	688.50	147.42	103.30	250.72	3.19
17.50	70.00	0	0	679.30	1750.00	688.21	695.42	688.25	357.14	0	0	2.18
17.50	70.00	0	0	679.30	1750.00	689.32	714.45	689.36	198.11	106.13	304.24	2.30
18.00	50.00	0	0	679.30	1750.00	688.25	700.83	688.28	357.71	0	0	2.15
18.00	50.00	0	0	679.30	1750.00	689.35	723.57	689.30	190.58	105.56	305.14	2.32
24.50	650.00	0	0	681.30	1750.00	688.98	172.43	689.40	108.34	0	0	6.70
24.50	650.00	0	0	681.30	1750.00	689.90	172.09	690.56	67.66	386.00	464.29	7.17
25.00	50.00	0	0	681.30	1750.00	688.60	87.70	691.30	25.82	0	0	12.98
25.00	50.00	0	0	681.30	1750.00	689.92	118.47	691.60	28.16	386.00	415.00	10.40
26.00	100.00	676.00	694.00	681.90	1750.00	689.90	225.17	691.30	90.17	0	0	4.75
26.00	100.00	686.00	694.00	681.90	1750.00	690.90	310.32	691.60	92.59	0	0	3.80
27.00	100.00	0	0	681.90	1750.00	691.48	504.23	691.54	207.29	0	0	2.55
27.00	100.00	0	0	681.90	1750.00	691.68	413.05	691.80	99.06	395.33	500.00	3.19
32.00	500.00	0	0	683.40	1750.00	692.21	389.10	692.33	195.97	0	0	3.05
32.00	500.00	0	0	683.40	1750.00	692.33	338.11	692.93	93.31	400.00	500.00	3.50
37.00	500.00	0	0	685.10	1750.00	693.71	207.09	694.15	233.50	0	0	6.54
37.00	500.00	0	0	685.10	1750.00	694.62	188.21	695.28	61.62	290.00	351.62	7.20
40.00	300.00	0	0	686.20	1750.00	695.48	283.81	695.70	345.07	0	0	5.11
40.00	300.00	0	0	686.20	1750.00	696.68	283.58	696.97	85.86	290.00	375.86	5.10
42.00	200.00	0	0	687.20	1750.00	695.93	125.07	697.50	24.00	0	0	10.35
42.00	200.00	0	0	687.20	1750.00	697.31	165.28	698.44	24.00	290.00	316.00	8.54
44.00	200.00	0	0	687.20	1750.00	697.30	275.07	697.82	31.00	0	0	5.57
44.00	200.00	0	0	687.20	1750.00	698.73	330.96	699.10	31.00	385.00	416.00	4.90
45.00	100.00	0	0	687.90	1750.00	697.95	778.79	697.98	390.72	0	0	2.04
45.00	100.00	0	0	687.90	1750.00	699.18	823.88	699.22	194.61	265.00	461.66	2.12
50.00	500.00	0	0	689.60	1750.00	698.30	486.04	698.38	343.32	0	0	3.02
50.00	500.00	0	0	689.60	1750.00	699.49	511.52	699.58	150.79	293.00	447.94	3.13
57.00	700.00	0	0	692.10	1400.00	699.30	60.83	700.98	20.15	0	0	10.40
57.00	700.00	0	0	692.10	1400.00	700.57	121.18	701.60	30.00	232.00	262.00	8.13
62.00	500.00	0	0	693.80	1400.00	703.84	283.71	704.02	255.19	0	0	4.11
62.00	500.00	0	0	693.80	1400.00	704.28	244.11	704.61	84.20	186.89	271.09	4.97

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CASEL TO EC TOPAID STENCIL STENGR VCU
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

65.00	300.00	0	695.77	1000.00	707.72	202.51	705.07	237.36	0	5.37
65.00	300.00	0	695.40	1000.00	705.41	180.08	705.99	41.94	220.06	6.20
69.80	480.00	0	697.90	1400.00	708.39	211.48	708.78	213.80	225	5.53
69.80	480.00	0	697.90	1400.00	708.40	169.13	709.11	27.00	283.00	6.76
72.80	300.00	0	699.50	1400.00	709.77	192.94	710.24	204.25	0	5.94
72.80	300.00	0	699.50	1400.00	710.38	181.95	711.02	27.00	283.00	6.44
75.80	300.00	0	702.90	1400.00	711.70	119.55	712.84	43.41	0	8.46
75.80	300.00	0	702.90	1400.00	712.48	138.90	713.44	27.00	283.00	7.69
80.00	420.00	0	707.40	1400.00	714.73	302.01	714.74	326.05	0	3.12
80.00	420.00	0	707.40	1400.00	715.40	262.42	715.52	165.79	177.34	3.89
83.00	300.00	0	710.80	1110.00	716.30	74.83	716.84	302.26	0	7.33
83.00	300.00	0	710.80	1110.00	716.74	58.43	718.14	49.44	233.00	10.14
86.00	300.00	0	713.20	1110.00	719.48	154.07	719.61	313.97	0	4.18
86.00	300.00	0	713.20	1110.00	720.81	172.73	721.00	107.47	324.47	4.44
89.50	350.00	0	716.20	1110.00	721.33	154.39	721.43	234.31	0	3.17
89.50	350.00	0	716.20	1110.00	722.42	155.92	722.50	107.35	100.00	3.60
92.00	250.00	0	718.20	1110.00	722.98	117.05	723.11	232.45	0	3.79
92.00	250.00	0	718.20	1110.00	724.01	114.99	724.31	92.72	100.00	4.78
92.50	50.00	0	718.60	1110.00	723.44	51.26	724.68	54.00	0	8.88
92.50	50.00	0	718.60	1110.00	724.30	84.96	725.01	54.40	100.00	6.31
93.50	100.00	0	719.60	1110.00	727.35	64.45	728.27	28.00	0	7.54
93.50	100.00	0	719.60	1110.00	728.31	182.70	728.71	28.00	212.00	5.08
95.00	50.00	0	720.50	1110.00	728.38	74.25	728.58	294.05	0	1.34
95.00	50.00	0	720.50	1110.00	728.77	415.91	728.79	171.57	144.25	3.55
96.50	150.00	0	720.50	1110.00	728.42	722.22	728.43	297.18	0	1.35
96.50	150.00	0	720.50	1110.00	728.81	425.20	728.84	172.08	143.99	3.34
97.20	70.00	0	718.00	1110.00	728.45	1214.65	728.65	423.21	0	1.02
97.20	70.00	0	718.00	1110.00	729.04	1074.17	729.05	235.76	172.02	4.07
97.70	50.00	0	721.20	1110.00	728.64	421.70	728.64	332.85	0	2.37
97.70	50.00	0	721.20	1110.00	729.04	229.23	729.07	171.09	197.00	3.88
100.00	230.00	0	724.60	480.00	728.93	48.43	729.34	221.04	0	8.60
100.00	230.00	0	724.60	480.00	729.68	53.91	730.44	74.94	197.00	9.63
106.00	500.00	0	731.40	480.00	734.39	94.48	734.51	142.92	0	3.60
106.00	500.00	0	731.40	480.00	735.14	117.90	735.28	72.00	100.00	2.98
112.00	600.00	0	736.60	480.00	740.52	33.08	741.64	131.31	0	6.10
112.00	600.00	0	736.60	480.00	741.50	30.77	741.50	71.00	100.00	6.74

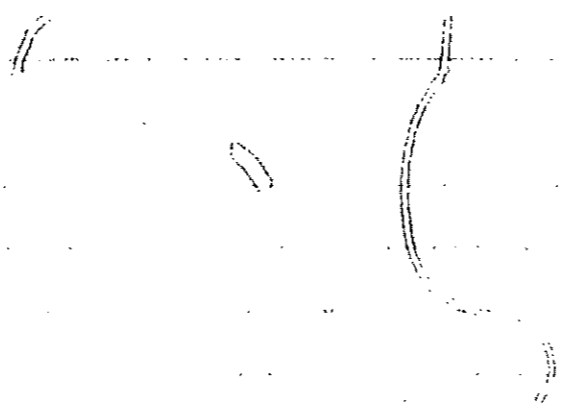
SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEL	TO	EA	TOPWID	STENCI	STENCH	VCH
118.00	600.00	0	0	707.00	680.00	709.72	70.20	749.8A	140.75	0	0	3.40
118.00	600.00	0	0	707.00	680.00	750.09	80.54	750.51	73.00	27.00	100.00	3.76
122.00	400.00	0	0	752.60	680.00	758.14	30.24	759.74	30.09	0	0	11.04
122.00	400.00	0	0	752.60	680.00	758.26	28.87	760.80	10.00	95.00	105.00	13.01
127.50	550.00	0	0	740.30	680.00	767.50	71.77	768.12	41.77	0	0	7.2A
127.50	550.00	0	0	740.30	680.00	769.38	70.11	769.83	17.57	87.43	105.00	5.80

SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIFF EACH W	CASEL DIFF EACH SECTION	CASEL-WSFLY	TOPWID	T.W. DIFF	LENGTH
7.700	1750.000	683.000	0	0	0	113.34A	0	-0
7.700	1750.000	684.900	1.000	0	0	67.360	50.98A	-0
16.300	1750.000	687.327	0	3.427	0	292.130	0	260.000
16.300	1750.000	688.434	1.107	3.534	0	145.137	147.002	260.000
16.800	1750.000	687.390	0	.063	0	293.430	0	50.000
16.800	1750.000	688.495	1.105	.061	0	147.41A	146.011	50.000
17.500	1750.000	688.215	0	.825	0	357.130	0	70.000
17.500	1750.000	689.320	1.105	.825	0	198.10A	159.030	70.000
18.000	1750.000	688.247	0	.032	0	357.70A	0	50.000
18.000	1750.000	689.351	1.100	.031	0	199.581	158.127	50.000
24.500	1750.000	688.070	0	.733	0	106.340	0	450.000
24.500	1750.000	689.035	.956	.584	0	67.661	38.683	450.000
25.000	1750.000	688.687	0	2.292	0	25.817	0	50.000
25.000	1750.000	689.923	1.236	-0.012	0	28.165	-2.348	50.000
26.000	1750.000	689.938	0	1.251	0	90.172	0	100.000
26.000	1750.000	690.938	1.000	1.015	0	92.591	-2.419	100.000
27.000	1750.000	691.075	0	1.538	0	207.288	0	100.000
27.000	1750.000	691.683	.207	.745	0	99.051	100.226	100.000
32.000	1750.000	692.213	0	.738	0	195.007	0	500.000
32.000	1750.000	692.730	.521	1.051	0	93.300	102.650	500.000
37.000	1750.000	693.712	0	1.498	0	239.547	0	500.000
37.000	1750.000	694.622	.910	1.888	0	61.617	177.924	500.000
40.000	1750.000	695.461	0	1.740	0	345.067	0	300.000
40.000	1750.000	696.685	1.224	2.063	0	85.800	250.203	300.000
42.000	1750.000	695.927	0	.466	0	26.000	0	200.000
42.000	1750.000	697.310	1.383	.625	0	26.000	0	200.000
44.000	1750.000	697.343	0	1.414	0	31.000	0	200.000
44.000	1750.000	698.726	1.383	1.416	0	31.000	0	200.000
45.000	1750.000	697.947	0	.604	0	390.710	0	100.000
45.000	1750.000	699.184	1.237	.458	0	198.60A	198.114	100.000
50.000	1750.000	698.209	0	.352	0	343.323	0	500.000
50.000	1750.000	699.487	1.188	.303	0	154.790	180.533	500.000
57.000	1400.000	699.305	0	1.006	0	28.140	0	700.000

57.000	1000.000	700.572	1.267	1.085	30.001	21.852	700.000
62.000	1000.000	703.844	0	4.544	255.193	0	500.000
62.000	1000.000	701.282	.437	3.710	80.194	170.998	500.000
65.000	1000.000	704.721	0	.874	237.357	0	300.000
65.000	1000.000	705.410	.589	1.128	41.937	195.420	300.000
69.800	1000.000	708.389	0	3.668	213.798	0	480.000
69.800	1000.000	708.400	.014	2.990	27.001	164.790	480.000
72.800	1000.000	709.770	0	1.381	206.252	0	300.000
72.800	1000.000	710.380	.615	1.980	27.001	170.251	300.000
75.800	1000.000	711.740	0	1.970	43.412	0	300.000
75.800	1000.000	712.477	.753	2.093	27.001	14.411	300.000
80.000	1000.000	714.728	0	2.980	329.044	0	420.000
80.000	1000.000	715.397	.669	2.920	165.790	163.254	420.000
83.000	1110.000	716.300	0	1.574	302.262	0	300.000
83.000	1110.000	716.736	.432	1.339	48.443	253.820	300.000
86.000	1110.000	719.482	0	3.178	313.970	0	300.000
86.000	1110.000	720.809	1.327	11.073	107.473	204.297	300.000
89.500	1110.000	721.330	0	1.852	236.311	0	350.000
89.500	1110.000	722.415	1.081	1.464	107.348	129.963	350.000
92.000	1110.000	722.978	0	1.640	232.448	0	250.000
92.000	1110.000	724.010	1.032	1.595	93.714	138.932	250.000
92.500	1110.000	724.450	0	.461	50.000	0	50.000
92.500	1110.000	724.389	.929	.379	50.000	0	50.000
93.500	1110.000	727.380	0	3.921	28.000	0	100.000
93.500	1110.000	728.310	.929	3.921	28.001	0	100.000
95.000	1110.000	728.382	0	1.002	29.448	0	50.000
95.000	1110.000	728.764	.383	.454	171.572	120.874	50.000
96.500	1110.000	728.418	0	.354	297.180	0	150.000
96.500	1110.000	728.810	.394	.049	172.062	125.117	150.000
97.200	1110.000	728.604	0	.227	423.208	0	70.000
97.200	1110.000	729.082	.394	.227	255.754	187.452	70.000
97.700	1110.000	728.642	0	.402	332.850	0	50.000
97.700	1110.000	729.037	.394	.405	171.092	160.862	50.000
100.000	480.000	728.930	0	.291	221.038	0	230.000
100.000	480.000	729.482	.708	.445	70.937	104.101	230.000
106.000	480.000	730.389	0	.454	143.923	0	400.000
106.000	480.000	735.140	.751	.458	73.001	70.922	400.000
112.000	680.000	740.529	0	.640	131.304	0	400.000
112.000	680.000	740.597	.068	.457	73.001	58.305	400.000
118.000	680.000	749.720	0	.191	140.751	0	400.000
118.000	680.000	750.090	.370	.492	73.001	67.750	400.000
122.000	480.000	758.161	0	.441	30.091	0	400.000
122.000	480.000	758.261	.101	.171	10.001	20.990	400.000
127.500	680.000	767.500	0	.340	41.769	0	550.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1		0	0	59.885	0
2		4,000	.268	22.952	-36.933



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

Floodway

T1 GASTONIA NORTH CAROLINA FLOODWAY
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY 1-9-1,100 YR 0

J1	ICHECK	INC	MINV	TOIR	SIRT	METRIC	UVINS	D	WSFL	EQ
	-0	4.	-0	-0	-0	-0	-0	-0	496,200	-0
J2	NPROF	IPLOT	PREVS	YSECV	YSECH	FN	ALLOC	IR	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	-0	-0	-0
NC	.000	.000	.000	.100	.300	-0	-0	-0	-0	-0
QT	5,000	650,000	1150,000	1350,000	1350,000	1750,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	-0	10,400	-0	-0	-0	-0
X1	11,500	15,000	434,000	460,000	-0	-0	-0	-0	-0	-0
GR	715,000	0	705,500	200,000	702,000	215,000	701,400	250,000	701,000	300,000
GR	702,400	350,000	701,900	400,000	702,100	416,000	695,700	445,000	695,700	450,000
GR	696,000	455,000	701,700	460,000	702,000	500,000	712,400	520,000	714,600	550,000
X1	15,000	-0	-0	-0	350,000	350,000	350,000	-0	2,000	-0
X1	19,000	-0	-0	-0	400,000	400,000	400,000	-0	2,300	-0
X1	25,000	12,000	230,000	270,000	400,000	400,000	400,000	-0	2,400	-0
GR	725,000	0	716,500	100,000	712,900	140,000	702,000	200,000	709,000	230,000
GR	702,800	245,000	702,800	255,000	710,400	270,000	710,500	300,000	710,500	350,000
GR	711,400	400,000	723,500	450,000	-0	-0	-0	-0	-0	-0
X1	26,000	-0	-0	-0	100,000	100,000	100,000	-0	.600	-0
X3	10,000	-0	-0	-0	0	0	0	-0	721,000	721,000
SB	1,250	1,500	2,500	200,000	15,000	1,000	98,000	0	-0	-0
X1	28,500	12,000	90,000	110,000	250,000	250,000	250,000	-0	-0	-0
X2	-0	-0	1,000	711,600	723,500	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	721,000	721,000	-0
GR	719,000	0	710,800	50,000	713,400	90,000	705,400	92,000	705,700	107,000
GR	707,500	110,000	710,200	150,000	711,000	200,000	711,200	250,000	712,400	300,000
GR	715,500	350,000	717,800	400,000	-0	-0	-0	-0	-0	-0
X1	29,500	-0	-0	-0	100,000	100,000	100,000	-0	.200	-0
QT	5,000	630,000	1100,000	1270,000	1270,000	1710,000	-0	-0	-0	-0
X1	32,000	-0	-0	-0	250,000	250,000	250,000	-0	.600	-0
X1	36,000	11,000	235,000	258,000	400,000	400,000	400,000	-0	2,700	-0
GR	725,000	0	717,200	100,000	715,800	150,000	715,400	200,000	714,400	235,000
GR	708,500	240,000	708,400	250,000	709,000	255,000	715,400	258,000	717,700	320,000
GR	724,500	350,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	38,000	-0	-0	-0	200,000	200,000	200,000	-0	.500	-0

X1	39,000	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	719,500	719,500	-0	-0	-0
SB	1,250	1,500	2,500	0	17,500	3,000	82,600	0	-0	-0	-0	-0
X1	40,000	23,000	241,400	250	258,400	100,000	100,000	100,000	-0	-0	-0	-0
X2	-0	-0	1,000	717,200	719,200	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	719,500	719,500	-0	-0	-0
BT	18,000	0	725,000	0	50,000	721,400	0	150,000	719,500	0	0	0
BT	200,000	719,000	0	241,400	719,200	713,400	243,000	719,200	716,800	245,000	0	0
BT	719,200	717,000	247,000	719,200	716,800	248,600	719,200	713,400	251,600	719,200	0	0
BT	713,200	253,000	719,200	716,400	255,200	719,200	716,800	257,200	719,200	716,400	0	0
BT	255,800	719,200	713,200	300,000	720,200	0	350,000	721,600	0	400,000	0	0
BT	724,100	0	550,000	725,000	0	-0	-0	-0	-0	-0	-0	-0
GR	725,000	0	721,300	50,000	719,600	100,000	718,600	150,000	717,500	200,000	0	0
GR	716,800	210,000	714,000	212,000	713,400	241,400	710,000	243,000	709,800	245,000	0	0
GR	710,000	247,000	713,400	248,600	713,200	251,600	710,000	253,000	709,400	255,200	0	0
GR	710,000	257,200	713,200	258,800	714,500	260,000	717,400	300,000	717,700	350,000	0	0
GR	718,200	400,000	718,400	450,000	725,000	550,000	-0	-0	-0	-0	0	0
X1	41,000	-0	-0	-0	100,000	100,000	100,000	-0	-0	-0	-0	-0
X1	46,000	-0	-0	-0	500,000	500,000	500,000	-0	-0	-0	-0	-0
X1	51,000	9,000	142,000	155,000	500,000	500,000	500,000	-0	-0	-0	-0	-0
GR	737,900	0	732,600	50,000	729,300	100,000	724,900	142,000	724,100	143,000	0	0
GR	723,400	154,000	725,500	155,000	729,300	200,000	738,500	250,000	-0	-0	0	0
BT	5,000	540,000	950,000	1110,000	1110,000	1000,000	-0	-0	-0	-0	0	0
X1	57,000	11,000	140,000	160,000	400,000	400,000	400,000	-0	-0	-0	-0	-0
GR	741,500	0	740,000	50,000	736,500	100,000	734,100	120,000	731,500	125,000	0	0
GR	729,500	140,000	726,000	142,000	726,000	152,000	731,600	160,000	734,500	200,000	0	0
GR	765,000	250,000	-0	-0	-0	-0	-0	-0	-0	-0	0	0
X1	62,000	10,000	145,000	155,000	500,000	500,000	500,000	-0	-0	-0	-0	-0
GR	747,600	0	741,000	50,000	736,300	100,000	736,300	145,000	732,000	146,000	0	0
GR	730,500	150,000	733,000	153,000	736,500	155,000	737,400	200,000	746,000	250,000	0	0
X1	66,000	0	0	0	400,000	400,000	400,000	-0	2,500	-0	-0	-0
X1	70,000	8,000	240,000	270,000	400,000	400,000	400,000	-0	-0	-0	-0	-0
GR	755,000	0	748,800	200,000	744,000	240,000	742,000	245,000	742,000	255,000	0	0
GR	746,500	270,000	748,500	300,000	750,200	305,000	-0	-0	-0	-0	0	0
X1	71,000	0	0	0	100,000	100,000	100,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	750,000	750,000	-0	-0	-0
SB	0	1,500	2,500	0	6,000	0	28,000	0	742,800	744,100	0	0
X1	72,000	13,000	247,000	253,000	100,000	100,000	100,000	-0	-0	-0	-0	-0
X2	-0	-0	1,000	750,100	752,200	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	752,200	752,200	-0	-0	-0
BT	11,000	0	755,000	0	100,000	751,800	0	150,000	751,300	0	0	0
BT	200,000	751,300	0	247,000	752,200	747,100	248,000	752,500	749,400	250,000	0	0
BT	752,500	749,900	252,000	752,200	749,400	253,000	752,200	747,100	300,000	754,000	0	0
BT	0	350,000	756,400	0	-0	-0	-0	-0	-0	-0	0	0
GR	758,000	0	758,000	100,000	752,500	150,000	750,500	200,000	748,500	244,000	0	0
GR	747,100	247,000	744,700	248,000	744,100	250,000	744,700	252,000	747,100	253,000	0	0
GR	749,000	262,000	751,500	300,000	763,200	350,000	-0	-0	-0	-0	0	0
X1	72,500	0	0	0	50,000	50,000	50,000	-0	-0	-0	-0	-0
BT	5,000	470,000	830,000	970,000	970,000	1250,000	-0	-0	-0	-0	0	0
X1	77,000	0	0	0	450,000	450,000	450,000	-0	6,500	-0	-0	-0
X1	81,500	11,000	94,000	110,000	450,000	450,000	450,000	-0	-0	-0	-0	-0
GR	772,500	0	765,900	52,000	762,200	70,000	762,400	94,000	757,500	96,000	0	0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY 1-9-1 FLOODWAY

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CASSEL TG EG TOPAID STENCIL STENCHR VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

11.50	-0	0	695.70	1350.00	702.24	111.07	703.10	255.33	0	436.00	460.00	11.67	7.77
15.00	350.00	0	697.70	1350.00	705.42	217.00	705.61	260.96	0	436.00	460.00	4.50	4.50
19.00	400.00	0	700.00	1350.00	707.32	165.81	708.84	264.89	0	460.00	460.00	5.58	5.58
25.00	600.00	0	702.20	1350.00	710.41	210.72	710.71	200.22	0	230.00	270.00	4.78	5.03
26.00	100.00	0	702.80	1350.00	710.74	204.36	712.31	204.00	0	230.00	270.00	6.31	5.20
28.50	250.00	0	705.40	1350.00	714.04	127.15	715.14	20.00	0	90.00	110.00	8.50	7.42
29.50	100.00	0	705.60	1350.00	715.37	621.82	715.44	298.43	0	90.00	222.43	1.93	2.03
32.00	250.00	0	706.20	1270.00	715.50	525.44	715.53	283.03	0	210.48	210.48	2.07	2.07
36.00	400.00	0	707.70	1270.00	715.65	133.71	716.31	152.18	0	235.00	258.00	7.03	7.34
38.00	200.00	0	708.20	1270.00	717.14	210.50	717.42	213.11	0	209.34	258.00	4.82	5.13
39.00	-0	0	708.20	1270.00	716.71	125.00	717.61	21.00	0	235.00	258.00	7.50	6.51
40.00	100.00	0	709.40	1270.00	720.07	484.36	720.10	388.96	0	300.30	300.30	2.14	2.20
41.00	100.00	0	709.40	1270.00	720.13	501.50	720.13	392.02	0	351.56	351.56	2.09	2.09
46.00	500.00	0	709.40	1270.00	720.42	568.48	720.45	400.45	0	360.52	360.52	1.88	1.93
51.00	500.00	0	723.40	1270.00	728.71	74.34	729.85	87.28	0	165.11	165.11	10.90	10.90
57.00	600.00	0	726.00	1110.00	734.70	179.45	735.12	84.24	0	165.02	165.02	5.22	5.22
57.00	600.00	0	726.00	1110.00	735.61	180.82	736.04	31.89	0	134.03	134.03	5.54	5.54
52.00	500.00	0	720.50	1110.00	738.31	70.12	738.87	124.47	0	159.84	159.84	8.10	8.10
62.00	500.00	0	720.50	1110.00	739.04	72.20	740.07	41.51	0	118.33	118.33	9.60	9.60
66.00	400.00	0	733.00	1110.00	742.04	165.25	742.21	147.20	0	174.63	174.63	4.41	4.41
66.00	400.00	0	733.00	1110.00	743.14	175.02	743.37	143.13	0	108.50	108.50	4.58	4.58

SECTION NUMBER	CHARGE	DISCHARGE	MAX EL OF HIGH	EL OF DISCHARGE	TO	EG	TOPMID	STENCIL	VCH
70.00	702.00	702.00	1110.00	706.64	61.45	708.02	50.00	270.00	9.82
70.00	702.00	702.00	1110.00	706.76	50.45	708.53	30.00	270.00	10.68
71.00	702.00	702.00	1110.00	708.90	120.41	709.58	30.00	270.00	6.60
71.00	702.00	702.00	1110.00	709.44	135.41	750.02	30.00	270.00	5.99
72.00	702.00	702.00	1110.00	752.90	181.41	753.03	150.60	0	4.50
72.00	702.00	702.00	1110.00	753.44	165.62	753.69	150.05	269.00	5.16
72.50	702.00	702.00	1110.00	753.00	190.35	753.20	162.10	0	4.16
72.50	702.00	702.00	1110.00	753.70	180.90	753.89	162.25	270.00	4.71
77.00	750.00	750.00	970.00	757.47	54.84	758.32	103.71	0	10.45
77.00	750.00	750.00	970.00	757.95	53.00	759.30	31.05	257.20	11.79
81.50	750.00	750.00	970.00	756.80	114.46	756.02	121.09	0	4.79
81.50	750.00	750.00	970.00	756.84	113.30	755.77	79.32	175.70	5.62
86.00	750.00	750.00	970.00	757.15	107.84	757.44	110.33	0	5.04
86.00	750.00	750.00	970.00	758.91	109.34	759.25	78.70	175.15	5.70
90.00	750.00	750.00	970.00	771.27	74.05	772.00	51.09	0	7.09
90.00	750.00	750.00	970.00	772.28	94.81	772.87	31.00	104.00	6.14
15.000	1350.000	1350.000	705.424	2.962	0	264.958	0	350.000	-0
15.000	1350.000	1350.000	705.702	0.847	0	112.908	150.050	350.000	-0
19.000	1350.000	1350.000	707.314	1.852	0	260.893	0	400.000	400.000
19.000	1350.000	1350.000	708.389	1.072	0	82.504	170.387	400.000	400.000
25.000	1350.000	1350.000	710.412	3.084	0	200.221	0	400.000	400.000
25.000	1350.000	1350.000	711.490	1.078	0	40.000	169.220	400.000	100.000
26.000	1350.000	1350.000	710.737	1.325	0	40.000	0	100.000	100.000
26.000	1350.000	1350.000	711.887	1.140	0	40.000	0	100.000	100.000
28.500	1350.000	1350.000	714.037	3.290	0	20.000	0	250.000	250.000
28.500	1350.000	1350.000	715.184	1.140	0	20.000	0	250.000	250.000
29.500	1350.000	1350.000	715.368	1.332	0	298.428	0	100.000	100.000
29.500	1350.000	1350.000	716.214	1.028	0	132.430	165.994	100.000	100.000
32.000	1270.000	1270.000	715.095	1.127	0	283.027	0	250.000	250.000
32.000	1270.000	1270.000	716.350	1.140	0	120.483	162.345	250.000	250.000
36.000	1270.000	1270.000	715.649	1.153	0	153.182	0	400.000	400.000
36.000	1270.000	1270.000	716.451	1.098	0	23.001	130.181	400.000	400.000
38.000	1270.000	1270.000	717.141	1.512	0	213.114	0	200.000	200.000
38.000	1270.000	1270.000	718.122	1.690	0	48.654	164.654	200.000	200.000
39.000	1270.000	1270.000	716.713	1.448	0	23.000	0	-0	-0
39.000	1270.000	1270.000	717.924	1.214	0	23.000	0	-0	-0
40.000	1270.000	1270.000	720.066	3.354	0	388.961	0	100.000	100.000

SECTION CHANNEL MIN EL OF MAX EL OF HIGH EL OF DISCHARGE (CFS) TO EG TOPMID STENCIL STENCH VCH

41.000	1270.000	720.130	0	.068	0	392.022	0	100.000
41.000	1270.000	721.342	1.207	.062	0	138.051	253.971	100.000
46.000	1270.000	720.423	0	.289	0	404.850	0	500.000
46.000	1270.000	721.605	1.182	.263	0	150.860	253.985	500.000
51.000	1270.000	728.705	0	8.282	0	87.276	0	500.000
51.000	1270.000	728.709	.004	7.104	0	36.671	50.605	500.000
57.000	1110.000	734.791	0	6.086	0	86.240	0	600.000
57.000	1110.000	735.600	.818	6.900	0	31.890	50.340	600.000
62.000	1110.000	738.308	0	3.517	0	126.667	0	500.000
62.000	1110.000	739.041	.733	3.432	0	41.509	85.158	500.000
66.000	1110.000	742.058	0	3.750	0	147.199	0	400.000
66.000	1110.000	743.165	1.107	4.120	0	66.131	81.068	400.000
70.000	1110.000	746.657	0	4.590	0	50.488	0	400.000
70.000	1110.000	746.757	.100	3.592	0	30.001	24.487	400.000
71.000	1110.000	748.901	0	2.244	0	30.000	0	100.000
71.000	1110.000	749.458	.557	2.701	0	30.000	0	100.000
72.000	1110.000	752.898	0	3.997	0	159.596	0	100.000
72.000	1110.000	753.455	.557	3.997	0	63.941	95.655	100.000
72.500	1110.000	753.088	0	.191	0	162.130	0	50.000
72.500	1110.000	753.690	.610	.200	0	67.207	90.892	50.000
77.000	970.000	757.470	0	4.382	0	103.710	0	450.000
77.000	970.000	757.951	.480	4.252	0	31.040	72.661	450.000
81.500	970.000	763.806	0	6.336	0	121.491	0	450.000
81.500	970.000	765.437	1.631	7.487	0	79.318	42.173	450.000
86.000	970.000	767.152	0	3.345	0	119.330	0	450.000
86.000	970.000	768.908	1.756	3.470	0	78.690	40.635	450.000
90.000	970.000	771.267	0	4.115	0	51.087	0	400.000
90.000	970.000	772.280	1.013	3.373	0	31.001	20.086	400.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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1	0	0	31.500	0
2	4.000	.128	12.022	-19.487

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB L-9-1-1, FLOODWAY

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CWSL TO EG TOPWD STENCIL STNCR VCH

NUMBER LENGTH ROADWAY LOW CHRD GROUND (CFS)

SECTION NUMBER	DISCHARGE CFS	CASEL DIF	CASEL DIF	CASEL DIF	CASEL DIF	TOPWD	T.M. DIF	LENGTH
0	760.000	730.300	1.000	0	120.584	0	02.430	0
2.000	760.000	729.967	0	-333	10.000	0	0	200.000
2.000	760.000	731.053	1.084	-247	10.000	0	0	200.000
5.000	760.000	733.007	1.084	0	55.248	0	-2.703	300.000
5.000	760.000	734.093	1.084	0	58.011	0	0	300.000
6.000	760.000	733.274	0	267	52.769	0	0	100.000
6.000	760.000	730.171	0	0	52.769	0	-1.422	100.000
9.000	760.000	737.912	0	0	52.865	0	0	300.000
9.000	760.000	737.742	-1.169	0	51.750	0	1.115	300.000
11.000	760.000	744.074	0	0	52.744	0	0	400.000
11.000	760.000	744.253	0.178	0	52.543	0	0.203	400.000
11.000	760.000	748.734	0	0	26.860	0	0	300.000
11.000	760.000	748.695	-0.042	0	26.760	0	0.104	300.000
20.000	760.000	752.721	0	0	31.590	0	0	400.000
3.000	760.000	752.50	0	752.50	760.00	758.00	0	95.00
10.00	500.00	0	0	752.50	760.00	758.00	51.01	0
25.00	500.00	0	0	750.00	760.00	750.00	30.46	48.00
25.00	500.00	0	0	750.00	760.00	755.50	30.45	0
20.00	400.00	0	0	747.30	760.00	752.72	31.59	0
20.00	400.00	0	0	747.30	760.00	753.22	31.54	68.00
16.00	300.00	0	0	745.20	760.00	748.70	24.86	0
16.00	300.00	0	0	745.20	760.00	750.14	24.76	68.00
13.00	400.00	0	0	740.80	760.00	744.07	60.27	0
13.00	400.00	0	0	740.80	760.00	744.94	52.75	60.00
9.00	300.00	0	0	734.60	760.00	737.74	51.52	0
9.00	300.00	0	0	734.60	760.00	738.72	52.47	60.00
6.00	100.00	0	0	730.00	760.00	734.17	108.08	0
6.00	100.00	0	0	730.00	760.00	734.11	52.77	60.00
5.00	300.00	0	0	728.50	760.00	733.01	130.71	0
5.00	300.00	0	0	728.50	760.00	734.24	58.01	40.00
2.00	200.00	0	0	723.00	760.00	731.05	115.60	0
2.00	200.00	0	0	723.00	760.00	731.00	10.00	142.00
0	0	0	0	723.00	760.00	731.30	341.67	0
0	0	0	0	723.00	760.00	731.30	57.96	118.98
5.20	0	0	0	120.59	730.30	283.34	120.59	0
5.20	0	0	0	120.59	730.30	283.34	120.59	0

25.000	760.000	754.965	0	2.240	0	30.447	0	500.000
25.000	760.000	754.963	-.003	2.221	0	30.460	-.016	500.000
30.000	760.000	758.042	0	3.077	0	51.408	0	500.000
30.000	760.000	758.040	.402	3.482	0	22.011	29.397	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
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1	0	0	2.888	0
2	4.000	.363	2.585	-.303

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-9-2,100 YEAR Q

CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	UVINS	Q	WSEL	FG		
	-0	4	-0	-0	-0	-0	-0	-0	727,400	-0		
J2	NPROF	IPLOT	PREVS	YSECV	YSECH	FN	ALLDC	IRW	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		-0	-0	-0	-0
VC	.050	.050	.040	.100	.300				-0	-0	-0	-0
QT	5,000	390,000	680,000	800,000	800,000	1000,000			-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400				-0	-0	-0	-0
X1	2,500	12,000	247,000	230,253,000		-0	-0	-0	-0	-6,600	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	-0	727,700	727,100	-0	-0
GR	735,900	150,000	729,500	244,000	728,100	247,000	725,500	248,000	725,100	250,000	-0	-0
GR	725,500	252,000	728,100	253,000	728,400	255,000	729,500	300,000	729,600	350,000	-0	-0
GR	730,300	370,000	733,500	400,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	-0	1,500	2,500	-0	4,700	-0	28,300	-0	-0	-0	-0	-0
X1	3,200	-0	-0	-0	70,000	70,000	70,000	-0	-0	.300	-0	-0
X2	-0	-0	1,000	725,200	727,700	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	-0	727,700	727,700	-0	-0
BT	11,000	0	734,800	0	100,000	740,500	0	150,000	728,800	0	-0	-0
BT	200,000	728,000	0	247,000	727,700	722,100	248,000	727,700	724,900	250,000	-0	-0
BT	727,700	725,200	252,000	727,700	724,900	253,000	727,700	722,100	280,000	727,800	-0	-0
BT	0	350,000	735,000	0	-0	-0	-0	-0	-0	-0	-0	-0
X1	3,500	-0	-0	-0	30,000	30,000	30,000	-0	-0	-0	-0	-0
X1	5,500	-0	-0	-0	200,000	200,000	200,000	-0	3,100	-0	-0	-0
X1	7,600	-0	-0	-0	210,000	210,000	210,000	-0	3,200	-0	-0	-0
X1	8,000	-0	-0	-0	40,000	40,000	40,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	-0	735,600	735,600	-0	-0
SB	-0	1,500	2,500	-0	4,700	-0	28,300	-0	-0	-0	-0	-0
X1	9,000	13,000	147,000	150,153,000	100,000	100,000	100,000	-0	-0	-0	-0	-0
X2	-0	-0	1,000	732,500	735,600	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	-0	735,600	735,600	-0	-0
BT	11,000	0	745,000	0	50,000	739,400	0	100,000	736,700	0	-0	-0
BT	147,000	735,600	729,300	148,000	735,600	732,100	150,000	735,600	732,500	152,000	-0	-0
BT	735,600	732,100	153,000	735,600	729,300	200,000	736,900	0	250,000	740,500	-0	-0
BT	0	300,000	745,600	0	-0	-0	-0	-0	-0	-0	-0	-0
GR	745,000	0	734,600	50,000	731,500	100,000	731,300	147,000	729,300	147,000	-0	-0
GR	726,700	146,000	726,300	150,000	726,700	152,000	729,300	153,000	731,800	156,000	-0	-0
GR	733,900	200,000	745,400	250,000	745,200	300,000	-0	-0	-0	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB. L-9-2 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MTN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCM
2.50	-0	0	0	718.50	800.00	727.40	500.93	727.42	153.00	0	230.00	1.24
2.50	-0	0	0	718.50	800.00	728.40	500.93	728.44	87.18	247.00	334.18	1.32
3.20	70.00	0	0	718.80	800.00	729.36	1099.27	729.36	244.54	0	0	.91
3.20	70.00	0	0	718.80	800.00	730.36	1200.55	730.37	140.76	211.96	361.32	.88
3.50	30.00	0	0	718.80	800.00	729.36	1099.03	729.37	244.53	0	0	.91
3.50	30.00	0	0	718.80	800.00	730.36	1200.51	730.37	140.21	212.06	361.27	.88
5.50	200.00	0	0	721.90	800.00	729.36	325.86	729.40	192.31	0	0	2.38
5.50	200.00	0	0	721.90	800.00	730.36	311.75	730.41	84.96	247.00	331.97	2.02
7.60	210.00	0	0	725.10	800.00	730.45	67.06	731.01	141.38	0	0	9.00
7.60	210.00	0	0	725.10	800.00	730.98	53.29	732.20	32.71	247.00	279.71	10.22
8.00	40.00	0	0	725.10	800.00	733.97	39.41	738.11	4.00	0	0	16.32
8.00	40.00	0	0	725.10	800.00	733.97	39.20	738.11	4.00	247.00	253.00	16.32
9.00	100.00	0	0	726.30	800.00	738.09	890.84	738.11	185.00	0	0	1.07
9.00	100.00	0	0	726.30	800.00	738.09	740.56	738.11	113.92	69.18	183.11	1.28
9.90	90.00	0	0	726.30	800.00	738.10	892.90	738.11	185.11	0	0	1.04
9.90	90.00	0	0	726.30	800.00	738.11	743.03	738.12	114.01	69.18	183.15	1.28
12.00	210.00	0	0	728.50	800.00	738.12	414.09	738.15	165.12	0	0	1.98
12.00	210.00	0	0	728.50	800.00	738.12	327.14	738.15	87.04	83.39	170.43	2.51
15.00	300.00	0	0	731.80	800.00	738.25	274.79	738.32	160.51	0	0	2.37
15.00	300.00	0	0	731.80	800.00	738.33	223.25	738.44	74.00	45.00	121.00	2.92
17.50	250.00	0	0	734.40	800.00	738.84	57.48	739.50	103.83	0	0	6.50
17.50	250.00	0	0	734.40	800.00	738.85	50.51	739.50	74.00	45.00	121.00	6.88

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF FACTOR	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWID	T.W. DIFF	LENGTH
2.500	800.000	727.400	0	0	0	153.000	0	-0
2.500	800.000	728.400	1.000	0	0	87.183	65.817	-0
3.200	800.000	729.357	0	1.057	0	244.542	0	70.000
3.200	800.000	730.357	1.000	1.957	0	140.359	97.182	70.000
3.500	800.000	729.350	0	.002	0	244.531	0	30.000
3.500	800.000	730.358	1.000	.001	0	140.204	97.326	30.000
5.500	800.000	729.360	0	.002	0	192.308	0	200.000
5.500	800.000	730.342	.961	-.017	0	84.964	107.344	200.000
7.600	800.000	730.451	0	1.091	0	141.385	0	210.000
7.600	800.000	730.981	.530	.630	0	32.712	108.673	210.000
8.000	800.000	733.960	0	3.518	0	4.000	0	40.000
8.000	800.000	733.960	.000	2.988	0	4.000	0	40.000
9.000	800.000	738.094	0	4.125	0	185.030	0	100.000

9.000	800.000	738.095	.000	4.125	0	113.921	71.114	100.000
9.900	800.000	738.102	0	.007	0	185.112	0	90.000
9.900	800.000	738.105	.003	.011	0	114.015	71.097	90.000
12.000	800.000	738.118	0	.017	0	165.124	0	210.000
12.000	800.000	738.121	.002	.015	0	87.034	74.089	210.000
15.000	800.000	738.250	0	.131	0	160.505	0	300.000
15.000	800.000	738.326	.076	.205	0	76.001	84.504	300.000
17.500	800.000	738.861	0	.611	0	103.834	0	250.000
17.500	800.000	738.853	-.008	.527	0	76.001	27.833	250.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA-DIFF
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1	0	0	5.694	0
2	4.000	.128	2.987	-2.709

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY I-11,100 YEAR D CATOF

J1	ICHECK	TAC	VJNV	TOTR	SIRT	METRIC	WVINS	C	WSFL	FD
	-0	4.	-0	-0	-0	-0	-0	-0	469,100	-0
J2	MPROF	TPLDT	PREVS	YSECV	YSECH	FIN	ALLDC	IRW	CHNTM	TTRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	0,100	27,000	28,000	26,000		-0	-0
NC	0.000	0,000	0,000	0,100	0,000	0,000	0,000		-0	-0
QT	5,000	2900,000	5750,000	6200,000	8700,000	14000,000			-0	-0
FT	-0	-0	-0	-0	-0	8,400	-0		-0	-0
X1	400,000	24,000	820,000	920,000		-0	-0		-0	-0
GR	697,700	0	696,500	50,000	498,400	100,000	499,700	150,000	700,800	200,000
GR	700,200	250,000	697,400	300,000	487,300	327,000	488,800	350,000	487,500	400,000
GR	688,600	450,000	688,800	500,000	689,800	550,000	690,200	600,000	690,200	450,000
GR	669,900	700,000	669,200	750,000	669,100	800,000	688,600	820,000	685,400	825,000
GR	663,300	850,000	665,300	870,000	688,700	875,000	688,900	900,000	685,000	910,000
GR	640,100	920,000	686,700	950,000	696,900	1000,000	701,400	1050,000	-0	-0
QT	5,000	675,000	1185,000	1390,000	1390,000	1820,000	-0	-0	-0	-0
X1	13,000	14,000	334,000	355,000	1300,000	1300,000	1300,000		-1,600	-0
GR	707,000	0	690,900	100,000	693,900	150,000	695,800	200,000	696,600	250,000
GR	696,600	300,000	696,700	334,000	693,400	340,000	692,500	350,000	693,000	355,000
GR	697,600	364,000	699,000	400,000	700,700	435,000	706,900	450,000	-0	-0
X1	18,000	-0	-0	-0	500,000	500,000	500,000		2,300	-0
X1	22,600	14,000	90,000	124,000	460,000	460,000	460,000		-3,900	-0
GR	713,200	0	710,400	50,000	704,100	90,000	699,300	96,000	699,100	100,000
GR	698,500	107,000	701,800	110,000	706,200	124,000	704,700	131,000	704,800	150,000
GR	705,300	200,000	705,900	250,000	708,000	300,000	709,600	350,000	-0	-0
X1	27,600	-0	-0	-0	500,000	500,000	500,000		2,300	-0
X1	27,900	0	0	0	30,000	30,000	30,000		-0	-0
Y3	10,000	-0	-0	-0	-0	-0	-0		708,500	708,500
SB	0	1,500	3,000	0	25,000	0	235,000	0	0	0
X1	28,300	0	-0	-0	40,000	40,000	40,000		-0	-0
X2	-0	-0	1,000	706,500	708,000	-0	-0		-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0		708,400	708,400
BT	0,000	0	712,000	0	50,000	709,900	-0		90,000	709,000
BT	96,000	709,000	706,500	124,000	708,900	706,500	150,000		708,700	0
BT	708,400	0	800,000	709,800	0	350,000	711,300		-0	-0
X1	28,600	17,000	65,000	126,000	30,000	30,000	30,000		-1,600	-0
GR	712,600	0	710,800	50,000	710,400	65,000	703,200	85,000	700,000	88,000

GR	706,800	100,000	706,800	116,000	704,400	126,000	704,400	150,000	705,900	200,000
GR	706,800	250,000	706,100	300,000	708,700	320,000	705,200	327,000	704,100	332,000
GR	706,000	340,000	716,500	350,000	-0	-0	-0	-0	-0	-0
XI	32,100	-0	-0	-0	350,000	350,000	350,000	-0	2,800	-0
QT	5,000	460,000	810,000	950,000	950,000	1220,000	-0	-0	-0	-0
XI	35,500	12,000	142,000 / 572	161,000	340,000	340,000	340,000	-0	-4,400	-0
GR	737,500	0	720,500	50,000	715,700	100,000	711,800	105,000	710,900	142,000
GR	708,500	100,000	708,100	150,000	708,300	152,000	714,500	161,000	716,000	200,000
GR	717,500	250,000	720,000	300,000	-0	-0	-0	-0	-0	-0
XI	30,000	-0	-0	-0	350,000	350,000	350,000	-0	2,800	-0
XI	43,500	-0	-0	-0	450,000	450,000	450,000	-0	6,500	-0
XI	48,500	11,000	84,000 / 200	118,000	500,000	500,000	500,000	-0	-6,500	-0
GR	743,700	0	733,400	50,000	732,700	84,000	728,400	86,000	728,300	100,000
GR	728,400	115,000	732,700	118,000	748,900	150,000	752,600	175,000	757,400	200,000
GR	764,200	250,000	-0	-0	-0	-0	-0	-0	-0	-0
XI	53,000	-0	-0	-0	450,000	450,000	450,000	-0	6,500	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

12588

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB L-11 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	OF	MAY FL OF LOW CHORD	MIN EI GROUND	DISCHARGE (CFS)	CWSEL	TG	EG	TOPWID	STENCL	STENCR	VCH
400.00		-0		0	683.30	8200.00	690.51	433.28	691.55	641.77	0	0	10.20
400.00		-0		0	683.30	8200.00	691.47	467.00	692.70	425.22	494.78	920.00	10.74
13.00	1300.00			0	690.90	1390.00	699.18	826.10	699.10	386.76	0	0	1.30
13.00	1300.00			0	690.90	1390.00	700.07	824.71	700.08	237.23	117.77	355.00	1.13
18.00	500.00			0	693.20	1390.00	699.43	363.72	699.47	324.82	0	0	2.38
18.00	500.00			0	693.20	1390.00	700.32	365.49	700.37	212.34	142.66	355.00	2.20
22.60	460.00			0	695.20	1390.00	702.15	85.89	702.99	174.42	0	0	8.16
22.60	460.00			0	695.20	1390.00	701.77	58.45	703.75	31.69	90.00	124.00	11.28
27.60	500.00			0	697.50	1390.00	706.30	253.47	706.42	231.74	0	0	3.52
27.60	500.00			0	697.50	1390.00	707.41	268.31	707.55	99.65	90.00	189.65	3.45
27.90	30.00			0	697.50	1390.00	705.95	110.19	706.81	34.00	0	0	7.45
27.90	30.00			0	697.50	1390.00	707.25	151.32	707.81	34.00	90.00	124.00	6.03
28.30	40.00			0	697.50	1390.00	706.93	86.08	707.63	34.00	0	0	6.73
28.30	40.00			0	697.50	1390.00	708.22	186.46	708.65	34.00	90.00	124.00	5.27
28.60	30.00			0	698.20	1390.00	707.71	557.01	707.75	279.33	0	0	2.13
28.60	30.00			0	698.20	1390.00	708.69	550.52	708.70	134.86	45.00	221.86	2.09
32.10	350.00			0	701.00	1390.00	708.02	210.52	708.28	190.11	0	0	4.47
32.10	350.00			0	701.00	1390.00	708.96	204.44	709.30	44.39	85.00	131.39	4.74
35.50	340.00			0	703.70	950.00	710.05	86.43	710.43	59.31	0	0	5.81
35.50	340.00			0	703.70	950.00	710.94	92.87	711.45	35.88	125.12	161.00	6.09
39.00	350.00			0	706.50	950.00	713.42	110.47	713.70	73.77	0	0	4.91
39.00	350.00			0	706.50	950.00	714.14	110.87	714.50	38.83	122.17	161.00	5.34
43.50	450.00			0	713.00	950.00	718.63	62.02	719.27	57.34	0	0	7.53
43.50	450.00			0	713.00	950.00	719.28	60.74	720.18	32.22	128.59	161.00	8.20
48.50	500.00			0	721.80	950.00	726.85	87.12	727.30	67.04	0	0	5.91
48.50	500.00			0	721.80	950.00	727.18	94.99	727.66	34.00	84.00	118.00	5.58
53.00	450.00			0	728.30	950.00	732.94	74.83	733.62	47.54	0	0	6.50
53.00	450.00			0	728.30	950.00	732.87	71.86	733.56	34.00	84.00	118.00	6.65
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH D	CWSEL DIFF EACH SECTION	CWSEL - WSEL	TOPWID	T.G. DIFF	LENGTH					
400.000	8200.000	690.511	0	0	0	641.760	0	-0					
400.000	8200.000	691.470	.958	0	0	425.218	214.551	-0					
13.000	1390.000	699.177	0	8.666	0	386.755	0	1300.000					
13.000	1390.000	700.070	.893	8.600	0	237.234	149.521	1300.000					
18.000	1390.000	699.431	0	.254	0	324.823	0	500.000					
18.000	1390.000	700.321	.890	.251	0	212.341	112.482	500.000					
22.600	1390.000	702.146	0	2.715	0	174.425	0	460.000					

27.600	1390.000	701.772	-0.370	1.450	0	31.688	142.736	460.000
27.600	1390.000	706.298	0	4.153	0	231.737	0	500.000
27.600	1390.000	707.413	1.115	5.641	0	99.646	132.091	500.000
27.900	1390.000	705.952	0	-0.346	0	34.000	0	30.000
27.900	1390.000	707.208	1.294	-0.167	0	34.000	0	30.000
28.300	1390.000	706.920	0	.977	0	34.000	0	40.000
28.300	1390.000	708.223	1.294	.977	0	34.000	0	40.000
28.600	1390.000	707.711	0	.782	0	279.333	0	30.000
28.600	1390.000	708.686	.075	.463	0	136.863	142.470	30.000
32.100	1390.000	708.020	0	.313	0	194.110	0	350.000
32.100	1390.000	708.956	.932	.270	0	46.387	147.723	350.000
35.500	950.000	710.046	0	2.022	0	59.308	0	340.000
35.500	950.000	710.962	.916	2.006	0	35.883	23.425	340.000
39.000	950.000	713.025	0	3.370	0	73.769	0	350.000
39.000	950.000	714.137	.712	3.176	0	38.831	34.939	350.000
43.500	950.000	718.628	0	5.203	0	57.340	0	450.000
43.500	950.000	719.278	.650	5.141	0	32.220	25.116	450.000
48.500	950.000	726.854	0	8.226	0	67.038	0	500.000
48.500	950.000	727.181	.328	7.903	0	34.001	33.037	500.000
53.000	950.000	732.965	0	6.111	0	47.540	0	450.000
53.000	950.000	732.874	-0.091	5.693	0	34.001	13.543	450.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE FNC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DYFF
1	0	0	30.038	0
2	0.000	.033	17.090	-12.038

12595

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-3, 100 YEAR D

CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	WVMS	Q	VSFL	EQ
	0	4	0	0	0	0	0	0	469,190	-0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	PN	ALLOC	IR	CHNH	TTRAF
	1,000	0	0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	0,000	27,000	28,000	26,000			
NC	.100	.100	.070	.100	.300					
QT	5,000	300,000	540,000	630,000	630,000	810,000				
ET	-0	-0	-0	-0	10,000					
X1	7,500	10,000	70,000	105,000						
GR	681,200	0	680,000	35,000	677,600	50,000	671,600	70,000	669,200	95,000
GR	669,300	97,000	667,100	100,000	667,400	103,000	669,200	105,000	668,700	150,000
GR	669,600	200,000	673,000	250,000	676,800	260,000	681,300	300,000		
X1	7,500	0	0	0	30,000	30,000	30,000			
X3	10,000	-0	-0	-0	-0	-0	-0	670,600	670,600	
SB	0	1,500	2,500	0	2,500	0	8,000	0	0	
X1	8,500	9,000	98,500	101,500	70,000	70,000	70,000		-4,400	
X2	-0	-0	1,000	669,500	674,500	-0	-0	-0	-0	
X3	10,000	-0	-0	-0	-0	-0	-0	670,600	670,600	
BT	7,000	0	682,100	0	50,000	477,000	0	98,500	674,500	669,500
BT	101,500	674,500	669,500	150,000	675,100	0	200,000	477,500	0	250,000
BT	681,000	0	-0	-0	-0	-0	-0	-0	-0	-0
GR	680,100	0	674,500	50,000	671,000	65,000	671,100	98,500	671,100	101,500
GR	672,200	150,000	675,800	160,000	676,300	175,000	677,900	200,000		
X1	9,000	0	0	0	50,000	50,000	50,000		0,400	
X3	10,000	-0	-0	-0	-0	-0	-0	670,600	670,600	
X1	12,000	-0	-0	-0	300,000	300,000	300,000		2,200	
X1	16,500	13,000	92,000	106,000	450,000	450,000	450,000		-1,500	
GR	701,800	0	695,700	50,000	688,400	75,000	682,200	80,000	681,200	92,000
GR	679,000	97,000	678,800	100,000	678,500	103,000	682,700	106,000	680,600	134,000
GR	686,300	140,000	687,000	150,000	691,700	200,000		-0		
X1	18,500	-0	-0	-0	200,000	200,000	200,000		1,500	
X1	20,500	-0	-0	-0	200,000	200,000	200,000		13,700	
X1	23,000	8,000	30,000	60,000	250,000	250,000	250,000		-13,700	
GR	740,000	0	728,500	30,000	723,000	45,000	723,200	50,000	723,500	54,000
GR	727,800	60,000	729,300	100,000	731,200	150,000		-0		

CCHVE= .100 CEHV= .300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSFL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK FLEV
Q	QLOB	QCH	QROB	ALDR	ACH	AROR	VDI	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	XLCH	YLOBP	ITRTAL	TDC	ICONT	CORAP	TOPWID	ENDST
7.50	3.00	670.10	670.10	669.10	470.55	.45	0	0	671.40
630.	0	1.99	0	0	26.	101.	0	0	669.20
0	0	7.18	4.36	.100	.070	.100	0	667.10	85.62
.042377	0	0	0	0	13	1	0	121.70	207.36

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSFL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK FLEV
Q	QLOB	QCH	QROB	ALDR	ACH	AROR	VDI	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	XLCH	YLOBP	ITRTAL	TDC	ICONT	CORAP	TOPWID	ENDST

OVERPANK AREA ASSUMED NON-EFFECTIVE, FLIEA= 474.60 EIRFA= 674.60

7.80	4.71	671.81	671.81	0	472.02	1.11	2.12	0	671.40
630.	0	6.0	0	0	70.	0	0.	0.	669.20
.00	0	8.47	0	.100	.070	.100	.048	667.10	70.40
.061040	30.	30.	30.	3	14	1	0	35.00	105.40

SPECIAL BRIDGE

5070, VARIABLE FLOHD OR ELCHD ON CARD SR NOT SPECIFIED

SR	YK	YKOR	CDER	PDLEN	RWC	RWP	RAREA	SS	FLCHD	FLCHD
0	1.50	2.50	0	2.50	0	8.00	0	667.10	667.10	

3280 CROSS SECTION 8.50 EXTENDED 3.18 FEET

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSFL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK FLEV
Q	QLOB	QCH	QROB	ALDR	ACH	AROR	VDI	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	XLCH	YLOBP	ITRTAL	TDC	ICONT	CORAP	TOPWID	ENDST

PRESSURE AND WEIR FLOW

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIB L-3 FLOODWAY

J1	ICHECK	INC	NINV	TDIR	STRT	METRIC	HVINS	D	WSEL	FD
	-0	5.	-0	-0	-0	-0	-0	-0	670.190	-0
J2	NPROP	TPLOT	PRFVS	YSECV	XSECH	FN	ALLDC	IPW	CHNTM	TTRACE
	15,000	0	0	-0	-0	-0	-0	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS L-3 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CASE1	TD	EG	TOPWID.	STENCL	STENCH	VCH
7.50		0	0	0	667.10	630.00	670.10	21.95	670.55	121.74	0	7.18
7.50		0	0	0	667.10	630.00	671.26	23.74	672.17	44.49	70.00	8.00
7.80	30.00	0	0	0	667.10	630.00	671.81	25.50	672.92	35.00	0	8.47
7.80	30.00	0	0	0	667.10	630.00	672.67	44.16	673.21	35.00	70.00	6.02
8.50	70.00	0	0	0	666.70	630.00	676.68	791.38	676.68	200.00	0	.78
8.50	70.00	0	0	0	666.70	630.00	677.54	780.79	677.54	115.85	46.50	.84
9.00	50.00	0	0	0	671.10	630.00	676.67	223.84	676.70	150.29	0	1.88
9.00	50.00	0	0	0	671.10	630.00	677.53	219.33	677.54	72.33	68.45	2.11
12.00	300.00	0	0	0	673.30	630.00	677.09	102.25	677.14	110.98	0	3.18
12.00	300.00	0	0	0	673.30	630.00	677.94	102.09	678.04	59.28	75.51	3.65
16.50	450.00	0	0	0	677.00	630.00	682.03	30.87	683.25	30.33	0	9.55
16.50	450.00	0	0	0	677.00	630.00	682.10	21.99	684.10	10.00	92.00	11.38
18.50	200.00	0	0	0	678.50	630.00	685.59	82.08	685.80	60.20	0	4.78
18.50	200.00	0	0	0	678.50	630.00	686.57	85.67	686.91	25.97	88.29	5.06
20.50	200.00	0	0	0	692.20	630.00	697.22	30.46	698.45	30.14	0	9.60
20.50	200.00	0	0	0	692.20	630.00	697.29	21.93	699.30	10.00	92.00	11.38
23.00	250.00	0	0	0	709.30	630.00	713.23	24.05	714.60	24.29	0	9.39
23.00	250.00	0	0	0	709.30	630.00	713.31	27.14	714.60	25.19	30.00	9.17
25.00	200.00	0	0	0	723.00	630.00	726.93	24.13	728.30	24.92	0	9.37
25.00	200.00	0	0	0	723.00	630.00	726.93	24.13	728.30	24.92	30.00	9.37

SECTION NUMBER	DISCHARGE CFS	CASE1	CASE1 DIFF EACH W	CASE1 DIFF EACH SECTION	CASE1-MSFLK	TOPWID	T.W. DIFF	LENGTH
7.500	630.000	670.100	0	0	0	121.738	0	0
7.500	630.000	671.261	1.160	0	0	44.490	77.248	0
7.800	630.000	671.810	0	1.710	0	35.000	0	30.000
7.800	630.000	672.671	.861	1.410	0	35.000	0	30.000
8.500	630.000	676.670	0	4.860	0	200.001	0	70.000
8.500	630.000	677.530	.861	4.860	0	115.840	84.151	70.000
9.000	630.000	676.670	0	-.005	0	150.292	0	50.000
9.000	630.000	677.527	.854	-.012	0	72.327	77.965	50.000
12.000	630.000	677.092	0	.418	0	110.970	0	300.000
12.000	630.000	677.941	.849	.414	0	59.280	52.694	300.000
16.500	630.000	682.032	0	4.940	0	39.331	0	450.000
16.500	630.000	682.099	.067	4.158	0	10.001	25.330	450.000
18.500	630.000	685.585	0	3.550	0	60.202	0	200.000
18.500	630.000	686.573	.988	4.474	0	25.971	34.231	200.000
20.500	630.000	697.219	0	11.630	0	39.138	0	200.000

20.500 630.000 697.292 .074 10.714 0 14.001 25.137 200.000

23.000 630.000 713.226 0 16.007 0 24.895 0 250.000

23.000 630.000 713.306 .080 16.014 0 25.184 -.293 250.000

25.000 630.000 726.932 0 13.706 0 24.917 0 200.000

25.000 630.000 726.932 -.000 13.626 0 24.917 .000 200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-WACRES	TOP WIDTH AREA-DIFF
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1	0	0	0	2.875	0
2	4.000	.000	0	1.491	-1.380

Floodway

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

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4,100 YEAR W CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	4.	-0	-0	-0	-0	-0	-0	669.970	-0
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	C4NTM	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
NC	.100	.100	.070	.100	.300	-0	-0	-0	-0	-0
QT	5.000	670.000	1150.000	1350.000	1350.000	2000.000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10.400	-0	-0	-0	-0	-0
X1	7.100	18.000	330.000	350.000	365.000	-0	-0	-0	-0	-0
GR	677.100	0	668.300	50.000	666.300	100.000	665.300	150.000	665.600	200.000
GR	664.800	250.000	665.500	300.000	665.800	330.000	658.600	340.000	658.000	350.000
GR	658.200	355.000	666.400	365.000	667.100	400.000	667.200	450.000	668.200	500.000
GR	670.800	550.000	679.700	575.000	682.500	600.000	-0	-0	-0	-0
X1	7.600	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
SB	-0	1.500	2.500	-0	5.500	-0	23.760	-0	-0	-0
X1	8.000	23.000	397.300	402.800	402.800	40.000	40.000	40.000	-0	-0
X2	-0	-0	1.000	664.400	668.900	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	669.000	669.000	-0
BT	18.000	-0	680.300	-0	50.000	676.300	-0	100.000	672.500	-0
BT	150.000	669.900	-0	200.000	668.700	-0	250.000	668.100	-0	300.000
BT	667.800	-0	350.000	668.200	-0	397.300	668.800	661.500	398.000	668.800
BT	663.500	399.000	668.800	664.200	400.000	668.800	664.400	401.000	668.800	664.200
BT	402.000	668.800	663.500	402.800	668.800	661.500	450.000	670.300	-0	500.000
BT	672.300	-0	550.000	675.200	-0	-0	-0	-0	-0	-0
GR	681.400	0	676.100	50.000	671.000	100.000	667.700	150.000	667.300	200.000
GR	667.200	250.000	666.900	300.000	668.200	350.000	666.000	385.000	659.700	396.000
GR	661.500	397.300	659.700	398.000	659.100	399.000	658.900	400.000	659.100	401.000
GR	659.700	402.000	661.500	402.800	659.800	404.000	667.900	413.000	668.400	450.000
GR	675.500	480.000	680.000	500.000	680.000	550.000	-0	-0	-0	-0
X1	8.500	15.000	385.000	413.000	50.000	50.000	50.000	-0	-0	-0
GR	681.400	0	676.100	50.000	670.900	100.000	667.700	150.000	667.300	200.000
GR	667.200	250.000	666.900	300.000	668.200	350.000	666.000	385.000	659.700	396.000
GR	659.600	400.000	659.800	404.000	667.900	413.000	668.400	450.000	675.500	480.000
X1	19.000	11.000	133.000	167.000	1050.000	1050.000	1050.000	-0	-0	-0
GR	681.900	0	673.300	50.000	672.100	100.000	673.000	133.000	665.500	146.000
GR	664.800	150.000	666.300	158.000	673.200	167.000	673.000	200.000	674.500	222.000
GR	682.600	250.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	33.000	16.000	135.000	365.000	1900.000	1900.000	1900.000	-0	-0	-0
GR	687.100	0	683.500	50.000	681.600	100.000	681.200	135.000	671.300	150.000

GR	677,500	346,000	677,500	350,000	680,000	355,000	680,700	355,000	680,800	355,000
GR	671,000	346,000	670,600	350,000	671,200	355,000	681,500	365,000	680,800	400,000
GR	692,400	450,000	-0	-0	-0	-0	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

CORVE .100 CORVE

SECNO	DEPTH	CASEL	CRYS	WSEIK	FG	HV	HL	DISS	BANK FLEV
0	DLDB	UCH	CRDB	ALDR	ACH	ARDB	VOL	TVA	LEFT/RIGHT
TIME	VLCB	VCH	VROB	XPL	YRCH	XIR	YTN	ELMIN	SSTA
SLOPE	YLOBL	XICH	YLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
7.10	11.97	669.97	0	669.97	669.98	.01	0	0	665.90
1350.	728.	407.	175.	1185.	330.	307.	0	0	666.40
0	.61	1.35	.44	.100	.070	.100	0	658.00	40.51
.000245	-0	-0	-0	0	0	1	0	493.53	534.04

7.60	11.98	669.98	0	0	670.00	.01	.01	.00	665.90
1350.	728.	408.	175.	1184.	331.	309.	2.	1.	666.40
.02	.61	1.35	.44	.100	.070	.100	.060	658.00	40.84
.000243	50.	50.	50.	0	0	1	0	493.83	534.27

SPECIAL BRIDGE

5070, VARIABLE FLOCH OR ELCHD ON CARD SR NOT SPECIFIED

SB	YK	YKOR	COFO	POLEN	RWC	RWD	RAREA	SS	FLOCH	ELCHD
-0	1.50	2.50	-0	5.50	-0	23.76	-0	658.00	658.00	

PRESSURE AND W/FIP FLOW

EGPRS	FLWC	HS	QWETR	QPR	RAREA	FLIC	FITRU	CLASS	
745.18	670.00	0	1249.	85.	24.	664.00	668.90	30.00	
8.00	11.24	670.24	0	0	670.28	.00	.29	0	661.50
1350.	996.	171.	180.	832.	59.	154.	0.	1.	661.50
.02	1.19	2.91	1.19	.100	.070	.100	.068	658.90	111.84
.001383	40.	40.	40.	2	0	0	0	346.35	457.79

8.50	10.70	670.30	0	0	670.34	.06	.06	.00	666.00
1350.	720.	555.	66.	755.	225.	87.	5.	1.	667.90
.03	.97	2.47	.77	.100	.070	.100	.069	659.60	109.52
.001038	50.	50.	50.	1	0	1	0	346.47	457.99

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CASEL	CRYS	WSEIK	FG	HV	HL	DISS	BANK FLEV
0	DLDB	UCH	CRDB	ALDR	ACH	ARDB	VOL	TVA	LEFT/RIGHT
TIME	VLCB	VCH	VROB	XPL	YRCH	XIR	YTN	ELMIN	SSTA
SLOPE	YLOBL	XICH	YLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
19.00	7.71	672.51	671.32	0	673.71	1.20	3.02	.35	673.00
1350.	5.	1345.	0	0.	153.	0	20.	6.	673.20

12633

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB. L-4 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EC	TOPWTD	STENCL	STFNCR	VCH
7.10	-0	0	0	658.00	1350.00	669.97	861.94	669.98	493.53	0.350	0	1.35
7.10	-0	0	0	658.00	1350.00	670.97	866.41	670.90	240.13	142.34	382.47	1.44
7.60	50.00	0	0	658.00	1350.00	669.98	865.66	670.00	493.83	0	0	1.35
7.60	50.00	0	0	658.00	1350.00	670.98	872.16	671.00	240.73	142.15	382.88	1.43
8.00	40.00	0	0	658.90	1350.00	670.24	363.05	670.28	346.35	0.400	0	2.91
8.00	40.00	0	0	658.90	1350.00	671.24	341.79	671.29	185.55	217.25	402.80	1.95
8.50	50.00	0	0	659.60	1350.00	670.30	419.10	670.31	348.47	0.400	0	2.47
8.50	50.00	0	0	659.60	1350.00	671.29	405.57	671.36	164.91	248.09	413.00	2.58
19.00	1050.00	0	0	664.80	1350.00	672.51	84.54	673.71	63.71	0.350	0	8.81
19.00	1050.00	0	0	664.80	1350.00	673.61	115.23	674.40	30.00	133.00	167.00	7.12
33.00	1900.00	0	0	670.60	1350.00	681.86	329.26	681.91	311.45	0.250	0	1.82
33.00	1900.00	0	0	670.60	1350.00	681.82	317.24	681.83	230.00	135.00	365.00	1.87

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSEFLK	TOPWID	T.W. DIFF	LENGTH
7.100	1350.000	669.970	0	0	0	493.527	0	-0
7.100	1350.000	670.970	1.000	0	0	240.132	253.395	-0
7.600	1350.000	669.982	0	.012	0	493.833	0	50.000
7.600	1350.000	670.982	1.000	.012	0	240.730	253.102	50.000
8.000	1350.000	670.245	0	.262	0	346.352	0	40.000
8.000	1350.000	671.245	1.000	.262	0	185.550	160.798	40.000
8.500	1350.000	670.297	0	.052	0	348.470	0	50.000
8.500	1350.000	671.294	.998	.050	0	164.911	183.563	50.000
19.000	1350.000	672.506	0	2.210	0	63.707	0	1050.000
19.000	1350.000	673.610	1.103	2.315	0	30.001	29.706	1050.000
33.000	1350.000	681.861	0	0.355	0	311.448	0	1900.000
33.000	1350.000	681.821	-0.040	0.212	0	230.001	81.447	1900.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	0	14.501	0
2	4.000	0.040	0	8.828	-5.673

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4-1,100 YEAR Q CATOF

J1	ICHECK	IND	NINV	IDIR	STPT	METRIC	HVINS	Q	WSFL	FQ
	-0	4	-0	-0	-0	-0	-0	-0	470.100	-0
J2	NPROF	TPLOT	PREVS	YSECV	YSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	1.000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1.000	34.000	3.000	4.000	27.000	24.000	26.000			
NC	.070	.070	.050	.100	.300					
QT	5.000	195.000	340.000	400.000	400.000	520.000				
ET	-0	-0	-0	-0	10.400					
X1	2.200	13.000	146.000	155.000						
GR	668.200	0	668.500	50.000	669.200	100.000	471.000	146.000	666.100	149.000
GR	665.500	150.000	665.800	151.000	670.400	155.000	670.600	200.000	671.500	250.000
GR	673.300	300.000	675.000	350.000	676.000	400.000				
SB	0	1.500	2.500	-0	2.000		4.900			
X1	4.000	13.000	149.000	151.000	180.000	120.000	180.000			
X2	-0	-0	1.000	670.700	673.200					
X3	10.000	-0	-0	-0	-0			470.000	470.000	
BT	5.000	0	670.800	0	100.000	472.100	0	149.000	673.200	470.700
BT	151.000	673.200	670.700	250.000	675.900	0				
GR	682.900	0	682.600	15.000	679.600	25.000	678.700	50.000	675.600	55.000
GR	674.100	100.000	673.900	142.000	672.000	149.000	672.000	151.000	672.300	150.000
GR	673.100	160.000	676.200	200.000	678.100	250.000				
X1	5.000	0	-0	-0	100.000	100.000	100.000		4.000	
Y1	7.500	12.000	95.000	108.000	250.000	250.000	250.000			
GR	685.900	0	685.400	13.000	681.700	23.000	679.800	50.000	677.900	95.000
GR	675.100	98.000	674.900	100.000	676.000	103.000	677.700	108.000	677.800	150.000
GR	683.300	200.000	687.700	250.000						
SB	-0	1.500	2.500	-0	2.000		3.140			
X1	9.000	13.000	99.000	101.000	150.000	150.000	150.000			
X2	-0	-0	1.000	-0	-0					
Y3	10.000	-0	-0	-0	-0			482.800	482.800	
BT	10.000	0	689.300	0	50.000	485.000	0	99.000	482.800	478.400
BT	99.500	682.800	679.200	100.000	682.800	679.400	100.500	482.800	679.200	101.000
BT	682.800	678.100	102.000	682.800	0	150.000	483.100	0	200.000	485.300
BT	0	-0	-0	-0	-0					
GR	693.300	0	683.400	50.000	679.800	97.000	678.100	98.000	678.400	99.000
GR	677.900	99.500	677.400	100.000	677.900	100.500	678.400	101.000	678.100	102.000
GR	679.300	105.000	680.600	150.000	688.000	200.000				
X1	9.500	9.000	97.000	105.000	50.000	50.000	50.000			
GR	693.300	0	683.400	50.000	679.800	97.000	678.100	98.000	678.000	100.000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIS L-4-1 FLOODWAY

SECTION CHANNEL MIN EL OF MAX EL OF DISCHARGE CMSL TO EG TOPWID STENCIL STENCER VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

SECTION NUMBER	DISCHARGE CFS	CMSL	CMSL DIFF	CMSL-MSLK	TOPWID	EG	STENCIL	STENCER	VCH
2.20	0	665.50	670.10	52.25	670.10	131.19	0	155.00	3.27
2.20	0	665.50	671.10	49.94	671.10	88.39	0	66.61	3.98
4.00	180.00	648.00	674.16	115.88	674.16	199.13	0	150	1.26
4.00	180.00	648.00	675.16	138.13	675.16	97.48	0	87.29	1.31
5.00	100.00	672.00	674.78	21.71	675.18	102.01	0	126.52	9.51
5.00	100.00	672.00	675.66	23.45	676.60	25.84	0	152.36	12.05
7.50	250.00	674.90	679.02	37.10	679.37	92.66	0	110	5.98
7.50	250.00	674.90	680.22	37.90	680.94	14.75	0	95.00	6.70
9.00	150.00	677.40	684.45	22.57	684.46	131.40	0	103.43	1.47
9.00	150.00	677.40	685.69	26.69	685.71	67.55	0	75.88	1.39
9.50	50.00	678.00	684.46	235.71	684.48	131.48	0	110	1.53
9.50	50.00	678.00	685.70	278.20	685.72	64.22	0	76.73	1.44
18.00	850.00	694.20	699.61	24.79	700.54	30.07	0	50	8.12
18.00	850.00	694.20	699.44	21.76	700.91	10.77	0	42.00	9.78

SECTION DISCHARGE CMSL CMSL DIFF CMSL-MSLK TOPWID T.W. DIFF LENGTH

NUMBER CFS EACH N EACH SECTION

2.20 400.000 670.100 0 131.188 0 42.801 0

4.00 400.000 674.164 0 199.129 0 104.648 0

4.00 400.000 675.160 0 199.129 0 104.648 0

5.00 400.000 674.778 0 102.010 0 25.840 0

5.00 400.000 675.660 0 102.010 0 25.840 0

7.50 400.000 679.021 0 92.662 0 75.915 0

7.50 400.000 680.264 0 92.662 0 75.915 0

9.00 400.000 684.450 0 131.402 0 64.855 0

9.00 400.000 685.695 0 131.402 0 64.855 0

9.50 400.000 684.460 0 131.479 0 65.258 0

9.50 400.000 685.704 0 131.479 0 65.258 0

18.00 400.000 699.604 0 34.068 0 19.495 0

18.00 400.000 699.404 0 34.068 0 19.495 0

DATA FOR LAST CROSS SECTION

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

2 4.000 0 1.544 0 2.092

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

Floodway

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-5, 100 YEAR Q

CATOF

J1	TCHECK	TNO	NINV	IDTR	STRT	METRIC	HVINS	Q	WSFL	FG	
	-0	4.	-0	-0	-0	-0	-0	-0	470.100	-0	
J2	NPROF	IPLO	PREVS	YSECV	YSECH	FN	ALLDC	IRW	CHNTH	TRACE	
	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	.080	.080	.080	.100	.300				-0	-0	-0
QT	5.000	3800.000	7400.000	9600.000	9600.000	17500.000			-0	-0	-0
ET	-0	-0	-0	-0	10.400				-0	-0	-0
X1	191.900	20.000	455.000	499.000					-0	-0	-0
GR	685.000	50.000	680.000	70.000	675.000	100.000	666.400	150.000	662.500	200.000	
GR	662.000	248.000	660.500	275.000	661.700	289.000	662.200	350.000	662.300	400.000	
GR	665.300	450.000	665.000	455.000	655.900	465.000	655.500	475.000	655.500	487.000	
GR	665.800	498.000	663.200	550.000	663.700	600.000	667.500	450.000	685.000	750.000	
QT	5.000	600.000	1070.000	1250.000	1250.000	1610.000			-0	-0	-0
X1	7.500	16.000	275.000	310.000	750.000	750.000	750.000		-0	-0	-0
GR	673.200	0	673.000	17.000	668.400	25.000	667.400	50.000	667.000	100.000	
GK	666.900	150.000	667.900	700.000	668.800	250.000	669.500	275.000	661.500	290.000	
GR	661.300	300.000	661.500	300.000	669.300	310.000	670.300	350.000	678.700	400.000	
GR	684.000	450.000							-0	-0	-0
X1	11.500	0	0	0	400.000	400.000	400.000		-0	2.300	-0
X1	16.000	12.000	90.000	111.000	450.000	450.000	450.000		-0	-2.300	-0
GR	687.900	0	678.200	25.000	677.800	50.000	676.500	90.000	668.700	94.000	
GR	668.500	100.000	668.700	104.000	676.400	111.000	678.400	135.000	683.100	141.000	
GR	684.400	150.000	693.000	200.000					-0	-0	-0
X1	20.000	-0	-0	-0	400.000	400.000	400.000		-0	2.300	-0
X1	22.500	-0	-0	-0	250.000	250.000	250.000		-0	2.900	-0
X1	25.000	10.000	30.000	75.000	250.000	250.000	250.000		-0	-2.900	-0
GR	701.000	-0	689.000	30.000	679.500	40.000	678.400	50.000	679.500	60.000	
GR	685.300	75.000	685.200	100.000	685.100	150.000	687.200	200.000	695.100	250.000	
X1	27.500	-0	-0	-0	250.000	250.000	250.000		-0	2.900	-0
X1	28.000	-0	-0	-0	50.000	50.000	50.000		-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	495.200	495.200	-0	-0
SB	-0	1.500	2.500	-0	6.000	-0	28.270	-0	-0	-0	-0
X1	29.000	14.000	80.000	125.000	100.000	100.000	100.000		-0	-0	-0
X2	-0	-0	1.000	685.300	695.100	-0	-0		-0	-0	-0

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

T1 GASTONIA M C
 T2 FLOOD INSURANCE
 T3 TRIP 1-1 500-YP 0

J1	ICHECK	IND	RTNV	IDIR	STRT	METPIC	WVIA	Q	AISEI	FD
	0.	0.	0.	0.	0.	0.	0.	0.	737.150	0.

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBR	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

32259

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIP NO	SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN FL DISCHARGE GROUND (CFS)	CASE1	CASE2	FG	TOPOID	LOG#5	TIME	VOI	
	0.	0.	0.	0.	725.60	100.00	735.75	0.	735.75	218.81	0.08	0.	
	0.	0.	0.	0.	725.60	180.00	736.60	0.	736.60	243.08	0.13	0.	
	0.	0.	0.	0.	725.60	210.00	736.85	0.	736.85	248.84	0.15	0.	
	0.	0.	0.	0.	725.60	300.00	737.15	0.	737.15	255.32	0.25	0.	
	0.75	50.00	0.	0.	725.40	100.00	735.75	0.	735.75	172.48	0.10	0.08	
	0.75	50.00	0.	0.	725.40	180.00	736.60	0.	736.61	211.77	0.25	0.07	
	0.75	50.00	0.	0.	725.40	210.00	736.85	0.	736.86	230.87	0.28	0.06	
	0.75	50.00	0.	0.	725.40	300.00	737.15	0.	737.16	247.56	0.45	0.05	
	8.75	800.00	0.	0.	736.90	100.00	738.13	738.13	738.65	16.99	565.79	0.12	5.25
	8.75	800.00	0.	0.	736.90	180.00	738.64	738.64	739.37	18.37	515.24	0.10	7.20
	8.75	800.00	0.	0.	736.90	210.00	738.81	738.81	739.40	18.83	502.40	0.09	7.86
	8.75	800.00	0.	0.	736.90	300.00	739.25	739.25	740.22	20.03	481.77	0.08	8.72
9.25	9.55	50.00	0.	0.	737.20	100.00	739.35	0.	739.49	19.49	73.91	0.13	5.28
	9.55	50.00	0.	0.	737.20	180.00	740.07	0.	740.28	21.43	84.80	0.10	7.20
	9.55	50.00	0.	0.	737.20	210.00	740.29	0.	740.53	22.03	88.06	0.10	7.91
	9.55	50.00	0.	0.	737.20	300.00	740.89	0.	741.20	23.63	95.08	0.08	8.78
	9.55	30.00	0.	0.	737.40	100.00	739.57	0.	739.70	19.54	71.00	0.13	5.30
	9.55	30.00	0.	0.	737.40	180.00	740.32	0.	740.52	21.58	78.99	0.10	7.28
	9.55	30.00	0.	0.	737.40	210.00	740.56	0.	740.78	22.22	81.04	0.10	7.94
	9.55	30.00	0.	0.	737.40	300.00	741.18	0.	741.47	23.90	86.11	0.08	8.82
	9.95	40.00	750.00	745.80	739.50	100.00	741.46	741.43	742.13	11.56	514.86	0.13	5.32
	9.95	40.00	750.00	745.80	739.50	180.00	742.18	742.15	743.07	13.87	495.75	0.11	7.31
	9.95	40.00	750.00	745.80	739.50	210.00	742.48	0.	743.37	14.80	451.09	0.10	7.98
	9.95	40.00	750.00	745.80	739.50	300.00	742.97	742.96	744.12	16.39	501.13	0.08	8.87
	10.25	30.00	0.	0.	739.50	100.00	742.55	0.	742.74	14.99	94.47	0.13	5.34
	10.25	30.00	0.	0.	739.50	180.00	743.46	0.	743.73	17.93	107.29	0.11	7.34
	10.25	30.00	0.	0.	739.50	210.00	743.72	0.	744.03	18.77	112.51	0.10	8.01
	10.25	30.00	0.	0.	739.50	300.00	744.46	0.	744.79	20.42	106.43	0.08	8.91
	10.75	50.00	0.	0.	739.50	100.00	742.97	0.	743.10	16.38	55.76	0.14	5.38
	10.75	50.00	0.	0.	739.50	180.00	743.97	0.	744.15	22.11	65.00	0.11	7.39
	10.75	50.00	0.	0.	739.50	210.00	744.25	0.	744.46	24.73	66.13	0.11	8.07
	10.75	50.00	0.	0.	739.50	300.00	744.99	0.	745.17	21.37	50.91	0.09	9.02

SECTION NUMBER	DISCHARGE CFS	CASE1	CASE2 DIFF EACH 0	CASE1 DIFF EACH SECTION	CASE2 - CASE1	TOPOID	T.P. DIFF	LENGTH
0.	100.000	735.750	0.	0.	0.	218.807	0.	0.
0.	180.000	736.600	0.850	0.	0.	243.079	-24.272	0.
0.	210.000	736.850	0.250	0.	0.	248.603	-29.637	0.
0.	300.000	737.150	0.300	0.	0.	255.320	-36.513	0.
0.750	100.000	735.752	0.	0.002	0.	172.480	0.	80.000
0.750	180.000	736.603	0.851	0.003	0.	221.767	-49.287	80.000
0.750	210.000	736.854	0.250	0.004	0.	230.866	-58.386	80.000
0.750	300.000	737.156	0.302	0.006	0.	237.560	-65.080	80.000
8.750	100.000	738.133	0.	2.381	0.	16.989	0.	800.000
8.750	180.000	738.645	0.511	2.041	0.	18.373	-1.384	800.000
8.750	210.000	738.813	0.168	1.959	0.	18.829	-1.840	800.000
8.750	300.000	739.257	0.445	2.102	0.	20.032	-3.043	800.000

2001

9.550	100.000	739.354	0.	1.220	0.	19.487	0.	50.000
9.550	180.000	740.067	0.713	1.422	0.	21.429	-1.941	50.000
9.550	210.000	740.292	0.225	1.479	0.	22.031	-2.544	50.000
9.550	300.000	740.825	0.503	1.628	0.	23.630	-4.143	50.000
9.550	100.000	719.575	0.	0.221	0.	19.543	0.	30.000
9.550	180.000	740.324	0.749	0.257	0.	21.582	-2.039	30.000
9.550	210.000	740.560	0.237	0.262	0.	22.225	-2.681	30.000
9.550	300.000	741.180	0.619	0.294	0.	23.903	-4.360	30.000
9.950	100.000	741.461	0.	1.086	0.	11.560	0.	40.000
9.950	180.000	742.185	0.724	1.861	0.	13.871	-2.311	40.000
9.950	210.000	742.476	0.292	1.916	0.	14.803	-3.243	40.000
9.950	300.000	742.973	0.497	1.703	0.	16.389	-4.828	40.000
10.250	100.000	742.545	0.	1.080	0.	14.983	0.	30.000
10.250	180.000	743.456	0.911	1.272	0.	17.929	-2.936	30.000
10.250	210.000	743.719	0.263	1.243	0.	18.772	-3.779	30.000
10.250	300.000	744.455	0.736	1.482	0.	60.424	-45.431	30.000
10.750	100.000	742.972	0.	0.427	0.	16.385	0.	50.000
10.750	180.000	743.965	0.994	0.509	0.	22.115	-5.730	50.000
10.750	210.000	744.258	0.292	0.538	0.	44.727	-28.342	50.000
10.750	300.000	744.992	0.734	0.547	0.	81.367	-64.982	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA=ACRES	TOP WIDTH AREA=DIFF
1	0.		0.	2.168	0.
2	0.		0.	2.711	0.543
3	0.		0.	2.828	0.660
4	0.		0.	2.977	0.809

CROWDERS CREEK

Ready for Plot

HEC2 VERSION UPDATED JAN 1976
 ERROR-CORRECTION 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 CROWDERS CREEK 10 YR W

UI	CHECK	INC	CLAY	PIPE	STRE	RELOC	CONTS	CON	TRAC	TRAC
01	0.	2.	0.	0.	0.000000	0.	0.	0.	662,500	0.
02	1,000	0.	0.	0.	0.	0.	0.	0.	0.	0.
03	1,000	30,000	3,000	4,000	27,000	28,000	28,000	0.	0.	0.
04	0.150	0.150	0.050	0.100	0.300	0.	0.	0.	0.	0.
05	5,000	250,000	530,000	420,000	600,000	1210,000	0.	0.	0.	0.
06	0.	0.	0.	0.	10,000	0.	0.	0.	0.	0.
07	023,500	15,000	223,000	278,000	0.	0.	0.	0.	0.	0.
08	075,000	0.	070,000	90,000	047,900	100,000	058,700	119,000	054,100	150,000
09	059,200	200,000	054,600	223,000	049,700	224,000	044,000	250,000	050,500	272,000
10	058,900	274,000	041,100	300,000	059,400	350,000	044,100	400,000	075,000	070,000
11	029,500	00,000	400,000	940,000	1000,000	1500,000	1000,000	0.	0.	0.
12	070,000	0.	059,300	200,000	058,700	250,000	058,500	300,000	058,200	350,000
13	057,900	400,000	058,600	450,000	054,500	500,000	058,000	540,000	058,200	040,000
14	058,200	650,000	054,200	700,000	058,000	750,000	059,000	800,000	040,000	050,000
15	040,100	900,000	052,400	910,000	050,500	930,000	040,800	950,000	040,700	940,000
16	060,000	070,000	058,300	1000,000	057,700	1050,000	058,200	1100,000	058,000	1200,000
17	057,900	1250,000	054,000	1300,000	054,200	1350,000	058,400	1400,000	058,400	1450,000
18	060,200	1500,000	060,000	1550,000	061,700	1600,000	063,000	1650,000	064,300	1700,000
19	065,700	1750,000	067,000	1800,000	067,400	1850,000	068,700	1900,000	069,000	1950,000
20	059,500	17,000	550,000	500,000	2000,000	2000,000	2000,000	0.	0.	0.
21	085,000	0.	080,000	50,000	075,000	70,000	070,000	120,000	065,000	145,000
22	060,000	500,000	054,300	550,000	044,000	041,000	044,000	570,000	050,500	044,000
23	059,200	400,000	060,000	510,000	065,000	1005,000	070,000	1130,000	075,000	1165,000
24	080,000	1265,000	085,000	1490,000	0.	0.	0.	0.	0.	0.
25	044,000	30,000	000,000	050,000	050,000	050,000	050,000	0.	0.	0.
26	072,000	0.	063,500	100,000	050,700	130,000	055,700	150,000	050,300	200,000
27	056,500	250,000	058,500	300,000	055,100	050,000	047,000	000,000	055,000	050,000
28	057,200	500,000	058,100	540,000	052,300	600,000	048,000	711,000	044,000	020,000
29	050,500	038,000	059,200	050,000	058,000	200,000	058,000	250,000	058,100	040,000
30	050,300	050,000	058,000	000,000	055,000	050,000	058,000	100,000	055,000	1050,000
31	055,700	1100,000	058,000	1150,000	058,000	1170,000	058,400	1200,000	074,000	1035,000
32	041,000	17,000	1000,000	1000,000	1300,000	1300,000	1300,000	0.	0.	0.
33	085,000	0.	080,000	250,000	075,000	055,000	070,000	070,000	065,000	705,000
34	040,000	1000,000	054,300	1005,000	053,000	1011,000	054,000	1020,000	050,000	1030,000
35	059,200	1050,000	060,000	1060,000	065,000	1325,000	070,000	1405,000	075,000	1425,000
36	080,000	1000,000	085,000	1065,000	0.	0.	0.	0.	0.	0.
37	5,000	2500,000	0450,000	0400,000	0400,000	11300,000	0.	0.	0.	0.
38	886,000	20,000	636,000	683,000	500,000	500,000	500,000	0.	0.	0.

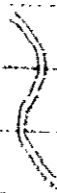
GR	668,000	300,000	667,000	400,000	667,000	500,000	667,000	605,000	667,900	230,000
GR	658,000	600,000	657,700	657,000	658,200	670,000	668,000	663,000	666,200	750,000
GR	666,300	800,000	665,600	900,000	667,100	950,000	669,200	949,000	680,000	1005,000
X1	653,000	20,000	330,000	343,000	700,000	700,000	700,000	0.	0.	0.
GR	625,000	0.	623,000	30,000	680,000	30,000	677,000	320,000	675,000	140,000
GR	667,300	215,000	667,000	265,000	670,200	315,000	667,400	330,000	659,000	337,000
GR	659,100	350,000	659,000	350,000	660,500	363,000	672,000	350,000	660,000	390,000
GR	667,400	215,000	668,000	465,000	666,500	665,000	667,500	603,000	660,000	625,000
X1	907,000	19,000	750,000	412,000	1400,000	1400,000	1400,000	0.	0.	0.
GR	680,000	45,000	675,000	200,000	670,200	300,000	669,500	350,000	669,500	550,000
GR	670,100	600,000	669,800	650,000	670,000	730,000	670,000	750,000	660,800	772,000
GR	640,500	780,000	640,100	783,000	641,000	806,000	668,500	812,000	670,400	640,000
GR	670,800	887,000	675,000	808,000	682,500	823,000	684,300	950,000	0.	0.
SR	0.250	2,000	2,700	0.	90,800	2,000	28,000	0.	0.	0.
NC	0.000	0.000	0.050	0.100	0.300	0.	0.	0.	0.	0.
BT	5,000	2000,000	4800,000	4200,000	6200,000	11000,000	0.	0.	0.	0.
X1	909,600	20,000	352,000	389,000	200,000	200,000	200,000	0.	0.	0.
X2	0.	0.	1,000	678,800	679,200	0.	0.	0.	0.	0.
BT	5,000	0.	655,000	678,800	300,000	679,400	678,000	350,000	679,200	678,000
BT	600,000	679,000	678,800	8550,000	680,100	678,800	0.	0.	0.	0.
GR	679,800	0.	679,500	50,000	679,000	150,000	677,000	200,000	677,200	250,000
GR	666,400	300,000	669,800	350,000	669,800	352,000	660,700	360,000	660,100	372,000
GR	661,600	364,000	668,600	359,000	671,400	400,000	669,600	450,000	668,500	500,000
GR	668,900	550,000	670,000	600,000	670,800	613,000	674,700	620,000	600,800	650,000
X1	921,000	30,000	950,000	997,000	1200,000	1200,000	1200,000	0.	0.	0.
GR	680,000	50,000	673,000	250,000	671,500	300,000	671,000	350,000	670,400	600,000
GR	670,500	450,000	669,500	500,000	670,600	550,000	671,100	600,000	671,000	700,000
GR	671,700	750,000	670,800	600,000	670,600	850,000	671,100	900,000	672,500	950,000
GR	662,600	964,000	661,400	977,000	660,400	993,000	670,900	997,000	672,400	1010,000
GR	671,900	1050,000	670,500	1100,000	670,600	1150,000	670,600	1200,000	671,000	1250,000
GR	670,000	1350,000	669,200	1400,000	669,600	1050,000	669,600	1550,000	670,200	1600,000
GR	670,300	1730,000	672,000	1745,000	675,000	1791,000	680,000	1820,000	0.	0.
X1	933,700	29,000	827,000	869,000	1175,000	1375,000	1270,000	0.	0.	0.
GR	685,000	15,000	680,000	170,000	675,000	200,000	673,500	450,000	671,400	605,000
GR	672,000	580,000	673,300	550,000	672,600	800,000	670,400	650,000	674,100	700,000
GR	674,000	750,000	674,500	800,000	673,000	827,000	663,500	835,000	663,000	807,000
GR	664,000	800,000	674,900	869,000	674,000	900,000	673,300	950,000	673,000	1000,000
GR	672,500	1050,000	672,900	1100,000	672,900	1150,000	675,400	1200,000	680,000	1207,000
GR	684,400	1300,000	684,900	1305,000	680,100	1350,000	687,200	1370,000	0.	0.
X1	945,800	25,000	425,000	468,000	1210,000	1210,000	1210,000	0.	0.	0.
GR	700,000	0.	692,400	50,000	691,400	100,000	680,400	200,000	678,400	250,000
GR	676,800	300,000	677,500	350,000	677,500	400,000	676,500	425,000	676,000	437,000
GR	666,100	450,000	667,100	463,000	675,200	464,000	676,400	500,000	675,600	550,000
GR	675,200	600,000	675,700	650,000	675,900	700,000	676,000	750,000	676,400	800,000
GR	675,600	650,000	681,000	400,000	684,300	650,000	682,000	600,000	684,000	1035,000
NC	0.100	0.100	0.060	0.100	0.300	0.	0.	0.	0.	0.
BT	5,000	2200,000	6000,000	5000,000	6800,000	10000,000	0.	0.	0.	0.
X1	963,800	17,000	516,000	610,000	1720,000	1720,000	1720,000	0.	0.	0.
X2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	700,000	0.	681,300	100,000	679,500	150,000	676,200	250,000	676,200	350,000
GR	676,600	450,000	679,400	500,000	679,500	530,000	667,600	550,000	669,800	590,000
GR	680,100	610,000	678,900	650,000	678,400	800,000	676,400	900,000	679,500	950,000
GR	687,400	1000,000	689,500	1050,000	0.	0.	0.	0.	0.	0.
X1	983,800	17,000	305,000	530,000	2080,000	2080,000	2080,000	0.	0.	0.
GR	710,000	0.	705,000	105,000	700,000	210,000	695,000	235,000	690,000	205,000
GR	685,000	395,000	683,700	480,000	675,400	488,000	673,800	500,000	675,300	512,000
GR	683,500	520,000	685,000	530,000	680,000	842,000	695,000	860,000	700,000	885,000
GR	705,000	875,000	710,000	885,000	0.	0.	0.	0.	0.	0.

 HEC2 VERSION UPDATED JAN 1976
 ERROR CORRECTION 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 CROWDEKS CREEK 50 YR G

J1	ICHECK	ING	NINV	IDIP	STRT	PFIRIC	EVINS	0	ASEI	FG
	0.	3.	0.	0.	0.000000	0.	0.	0.	064,000	0.

J2	NPROF	IPLDT	PPFVS	XSECV	XSECH	FM	ALIDC	TRK	CHNIV	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.



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

T1 GASTONIA M C
 T2 FLOOD INSURANCE
 T3 CROWDERS CREEK 500 YR Q

J1 ICHECK INQ MINV IOIS STRT NEIPIC HVINS R WSEL ER
 0. 6. 0. 0. 0.000600 0. 0. 0. 646.000 0.

J2 NPROF IPLOT PPFVS XSECV XSECF EN ALLOC TRK CHN1 ITRACF
 15.000 0. 0. 0. 0. 0. 0. 0. 0. 0.

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

CROWDERS CREEK 500 YR 0

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF ROADWAY	MAX EL OF LOW CHOP	MIN FL OF GROUND	DISCHARGE (CFS)	CSF1	CSF2	CSF3	CSF4	CSF5	CSF6	CSF7
A23.50	0.	0.	0.	640.00	2650.00	662.80	1076.27	662.00	256.92	0.	0.	1.05
A23.50	0.	0.	0.	640.00	5300.00	667.20	2141.50	667.45	229.00	0.	0.	4.33
A23.50	0.	0.	0.	640.00	6800.00	669.10	2745.50	669.41	307.02	0.	0.	4.57
A23.50	0.	0.	0.	640.00	12100.00	674.57	8919.73	674.85	457.67	0.	0.	5.41
A39.50	1400.00	0.	0.	650.50	2650.00	663.20	2610.77	663.21	1525.92	0.	0.	1.75
A39.50	1400.00	0.	0.	650.50	5300.00	667.67	7042.53	667.48	1704.35	0.	0.	1.27
A39.50	1400.00	0.	0.	650.50	6800.00	669.62	9600.50	669.42	1910.40	0.	0.	1.24
A39.50	1400.00	0.	0.	650.50	12100.00	675.03	19316.10	675.03	1950.00	0.	0.	1.37
A59.50	2000.00	0.	0.	648.80	2650.00	663.41	1004.23	663.79	626.62	0.	0.	3.70
A59.50	2000.00	0.	0.	648.80	5300.00	667.85	2854.28	667.03	979.91	0.	0.	3.20
A59.50	2000.00	0.	0.	648.80	6800.00	669.77	4131.12	669.83	1000.00	0.	0.	3.06
A59.50	2000.00	0.	0.	648.80	12100.00	675.15	8024.41	675.19	1026.51	0.	0.	3.00
A68.00	450.00	0.	0.	648.80	2650.00	663.91	3601.95	663.91	1077.62	0.	0.	1.60
A68.00	450.00	0.	0.	648.80	5300.00	668.02	7305.00	668.03	1159.87	0.	0.	1.20
A68.00	450.00	0.	0.	648.80	6800.00	669.02	9353.34	669.02	1189.91	0.	0.	1.16
A68.00	450.00	0.	0.	648.80	12100.00	675.26	16353.25	675.27	1235.00	0.	0.	1.60
A81.00	1300.00	0.	0.	650.60	2650.00	663.23	721.93	664.18	429.17	0.	0.	4.71
A81.00	1300.00	0.	0.	650.60	5300.00	668.09	2016.33	668.24	650.54	0.	0.	4.61
A81.00	1300.00	0.	0.	650.60	6800.00	669.09	2901.18	670.12	724.77	0.	0.	3.22
A81.00	1300.00	0.	0.	650.60	12100.00	675.35	6451.35	675.45	912.33	0.	0.	3.80
A86.00	500.00	0.	0.	657.70	2500.00	664.26	157.34	666.23	38.64	0.	0.	12.87
A86.00	500.00	0.	0.	657.70	4950.00	668.44	534.38	669.42	604.49	0.	0.	9.08
A86.00	500.00	0.	0.	657.70	6400.00	670.20	1040.89	670.80	776.36	0.	0.	7.41
A86.00	500.00	0.	0.	657.70	11300.00	675.54	3706.37	675.72	895.54	0.	0.	5.03
A93.00	700.00	0.	0.	659.00	2500.00	670.52	526.40	670.80	415.96	0.	0.	5.33
A93.00	700.00	0.	0.	659.00	4950.00	672.50	936.21	672.86	647.60	0.	0.	4.65
A93.00	700.00	0.	0.	659.00	6400.00	672.09	1044.65	673.44	452.73	0.	0.	7.69
A93.00	700.00	0.	0.	659.00	11300.00	676.82	2111.83	676.85	473.44	0.	0.	2.05
907.00	1400.00	0.	0.	660.10	2500.00	672.41	826.60	672.72	641.95	0.	0.	3.71
907.00	1400.00	0.	0.	660.10	4950.00	674.84	1622.27	674.04	694.64	0.	0.	3.00
907.00	1400.00	0.	0.	660.10	6400.00	675.76	2021.21	675.01	714.29	0.	0.	4.35
907.00	1400.00	0.	0.	660.10	11300.00	678.83	3685.20	678.09	726.93	0.	0.	4.25
909.00	200.00	679.20	678.80	660.10	2400.00	672.41	1647.45	672.72	454.17	0.	0.	1.62
909.00	200.00	679.20	678.80	660.10	4800.00	674.87	3047.40	674.09	474.25	0.	0.	1.87
909.00	200.00	679.20	678.80	660.10	6200.00	675.77	4437.34	675.01	508.24	0.	0.	2.03
909.00	200.00	679.20	678.80	660.10	11600.00	680.04	10072.24	680.12	629.92	0.	0.	1.95
921.00	1200.00	0.	0.	661.40	2400.00	672.84	2533.30	672.97	1425.25	0.	0.	1.01
921.00	1200.00	0.	0.	661.40	4800.00	675.02	7190.78	675.04	1507.94	0.	0.	0.84
921.00	1200.00	0.	0.	661.40	6200.00	676.00	9114.07	676.00	1624.05	0.	0.	0.80
921.00	1200.00	0.	0.	661.40	11600.00	680.10	25301.20	680.17	1740.00	0.	0.	0.73

SECTION NUMBER	CHANNEL LENGTH	MIN FL OF QUADRAY	MAX EL OF LOW CORNER	MIN FL OF GROUND	DISCHARGE (CFS)	C-SFL	TO	EG	TOP TO	STENCL	STENGE	VOL
933.70	1270.00	0.	0.	663.00	2000.00	672.55	200.70	673.53	102.95	0.	0.	2.00
933.70	1270.00	0.	0.	663.00	4000.00	675.11	1171.41	675.72	772.70	0.	0.	0.53
933.70	1270.00	0.	0.	663.00	6200.00	674.05	1870.05	674.19	677.01	0.	0.	0.10
933.70	1270.00	0.	0.	663.00	11000.00	680.12	7240.07	680.20	1025.00	0.	0.	2.12
945.80	1210.00	0.	0.	666.10	2000.00	677.09	668.10	677.31	669.90	0.	0.	2.51
945.80	1210.00	0.	0.	666.10	4000.00	677.81	659.07	678.13	569.00	0.	0.	6.14
945.80	1210.00	0.	0.	666.10	6200.00	678.00	1000.20	678.50	608.82	0.	0.	4.00
945.80	1210.00	0.	0.	666.10	11000.00	680.52	2900.04	680.74	639.09	0.	0.	0.77
963.00	1720.00	0.	0.	667.40	2200.00	679.55	673.80	679.42	770.70	0.	0.	3.14
963.00	1720.00	0.	0.	667.40	4000.00	681.23	1230.73	681.30	674.83	0.	0.	3.40
963.00	1720.00	0.	0.	667.40	5800.00	681.01	1620.11	682.05	611.43	0.	0.	3.89
963.00	1720.00	0.	0.	667.40	10000.00	683.21	2479.71	683.02	621.62	0.	0.	5.12
983.80	2060.00	0.	0.	673.80	2200.00	680.46	187.85	685.20	111.21	0.	0.	6.10
983.80	2060.00	0.	0.	673.80	4000.00	684.06	397.02	687.28	255.03	0.	0.	7.15
983.80	2060.00	0.	0.	673.80	5600.00	687.11	512.90	687.06	308.70	0.	0.	7.72
983.80	2060.00	0.	0.	673.80	10000.00	689.51	1135.90	690.74	500.03	0.	0.	8.05
1007.00	2320.00	0.	0.	673.80	2100.00	684.13	2115.29	684.11	1037.50	0.	0.	0.99
1007.00	2320.00	0.	0.	673.80	4200.00	684.20	3882.75	684.25	1041.23	0.	0.	1.20
1007.00	2320.00	0.	0.	673.80	5400.00	689.20	4705.70	689.10	1070.63	0.	0.	1.37
1007.00	2320.00	0.	0.	673.80	9500.00	691.58	7520.48	691.60	1093.90	0.	0.	1.71
1015.60	860.00	0.	0.	670.90	2100.00	684.70	1053.88	684.20	700.23	0.	0.	1.02
1015.60	860.00	0.	0.	670.90	4200.00	688.34	2212.55	688.02	621.63	0.	0.	2.11
1015.60	860.00	0.	0.	670.90	5400.00	689.25	2780.01	689.28	630.40	0.	0.	2.27
1015.60	860.00	0.	0.	670.90	9500.00	691.77	4782.90	691.51	655.31	0.	0.	2.60
1031.40	1580.00	0.	0.	677.40	2100.00	687.42	322.46	687.80	207.02	0.	0.	5.37
1031.40	1580.00	0.	0.	677.40	4200.00	689.02	602.22	689.85	521.85	0.	0.	5.85
1031.40	1580.00	0.	0.	677.40	5000.00	690.36	940.83	690.69	577.72	0.	0.	5.31
1031.40	1580.00	0.	0.	677.40	9500.00	692.85	2020.45	693.10	601.00	0.	0.	5.64

Change

SECTION NUMBER	DISCHARGE CFS	C-SFL	C-SFL DIFF EACH 0	C-SFL DIFF EACH SECTION	C-SFL AREA	TURATO	T.S. DIFF	LENGTH
823.500	2650.000	672.700	0.	0.	0.	256.903	0.	0.
823.500	5300.000	667.279	4.420	0.	0.	209.000	+32.057	0.
823.500	6800.000	669.142	1.863	0.	0.	307.074	-50.007	0.
823.500	12100.000	674.567	5.385	0.	0.	457.066	-200.093	0.
839.500	2650.000	663.207	0.	0.309	0.	1535.400	0.	1000.000
839.500	5300.000	667.571	4.374	0.433	0.	1798.350	-242.374	1000.000
839.500	6800.000	669.617	1.945	0.425	0.	1930.903	-305.013	1000.000
839.500	12100.000	675.027	5.410	0.460	0.	1950.001	-214.021	1000.000
859.500	2650.000	663.612	0.	0.315	0.	670.019	0.	2000.000
859.500	5300.000	667.450	4.238	0.179	0.	979.911	-281.222	2000.000
859.500	6800.000	669.771	1.921	0.155	0.	1006.603	-308.193	2000.000
859.500	12100.000	675.105	5.375	0.110	0.	1004.504	-309.090	2000.000
868.000	2650.000	663.904	0.	0.206	0.	1007.075	0.	850.000
868.000	5300.000	668.023	4.119	0.172	0.	1159.664	-42.104	850.000
868.000	6800.000	669.918	1.895	0.146	0.	1149.909	-32.233	850.000
868.000	12100.000	675.264	5.346	0.118	0.	1245.000	-137.325	850.000
881.000	2650.000	663.932	0.	0.024	0.	429.771	0.	1300.000
881.000	5300.000	668.001	4.169	0.044	0.	650.540	-220.768	1300.000
881.000	6800.000	669.904	1.903	0.076	0.	724.770	-204.909	1300.000
881.000	12100.000	675.349	5.355	0.085	0.	412.332	-482.561	1300.000

886,000	2500,000	664,256	0.	0.	0.324	0.	38,641	0.	500,000
886,000	4950,000	666,401	4,185	0.	0.351	0.	644,686	-666,244	500,000
886,000	6400,000	670,288	1,847	0.	0.286	0.	776,357	-737,716	500,000
886,000	11300,000	675,564	5,265	0.	0.235	0.	695,501	-856,689	500,000
893,000	2500,000	670,323	0.	0.	6,267	0.	419,962	0.	700,000
893,000	4950,000	672,300	2,617	0.	4,604	0.	447,072	-31,084	700,000
893,000	6400,000	672,987	0,407	0.	2,508	0.	452,739	-36,775	700,000
893,000	11300,000	676,078	3,402	0.	0,400	0.	473,496	-37,483	700,000
907,000	2500,000	676,010	0.	0.	2,027	0.	641,351	0.	1,000,000
907,000	4950,000	674,243	2,253	0.	2,323	0.	694,615	-52,253	1,000,000
907,000	7400,000	675,743	4,901	0.	2,777	0.	718,279	-76,525	1,000,000
907,000	11300,000	676,434	3,070	0.	2,556	0.	784,926	-155,979	1,000,000
909,000	2400,000	672,612	0.	0.	0,002	0.	454,172	0.	200,000
909,000	4800,000	674,845	2,253	0.	0,002	0.	479,255	-25,082	200,000
909,000	6200,000	675,746	0,001	0.	0,003	0.	498,258	-04,088	200,000
909,000	11000,000	680,056	4,292	0.	1,224	0.	629,964	-173,812	200,000
921,000	2400,000	672,641	0.	0.	0,294	0.	1405,255	0.	1200,000
921,000	4800,000	675,082	2,220	0.	0,216	0.	1597,939	-102,685	1200,000
921,000	6200,000	675,985	0,910	0.	0,229	0.	1629,051	-132,725	1200,000
921,000	11000,000	680,150	4,160	0.	0,101	0.	1760,000	-254,785	1200,000
933,700	2400,000	672,553	0.	0.	-0,308	0.	102,946	0.	1270,000
933,700	4800,000	675,110	2,557	0.	0,029	0.	736,739	-629,793	1270,000
933,700	6200,000	676,051	0,940	0.	0,055	0.	807,412	-704,458	1270,000
933,700	11000,000	680,180	4,135	0.	0,027	0.	1085,002	-982,056	1270,000
905,800	2400,000	677,085	0.	0.	4,533	0.	450,991	0.	1210,000
905,800	4800,000	677,814	0,727	0.	2,743	0.	594,039	-133,000	1210,000
905,800	6200,000	678,093	0,279	0.	2,042	0.	608,680	-157,889	1210,000
905,800	11000,000	680,555	2,464	0.	0,376	0.	689,684	-238,693	1210,000
963,000	2200,000	679,507	0.	0.	2,441	0.	734,705	0.	1720,000
963,000	4400,000	681,227	1,680	0.	3,414	0.	804,639	-70,126	1720,000
963,000	5600,000	681,913	0,685	0.	3,826	0.	811,935	-76,932	1720,000
963,000	10000,000	683,212	1,299	0.	2,665	0.	821,022	-86,920	1720,000
983,800	2200,000	684,641	0.	0.	5,114	0.	111,209	0.	2020,000
983,800	4400,000	682,442	1,600	0.	5,234	0.	255,430	-104,225	2020,000
983,800	5600,000	687,108	0,605	0.	5,195	0.	308,686	-197,688	2020,000
983,800	10000,000	689,500	2,308	0.	6,288	0.	506,020	-369,825	2020,000
1007,000	2100,000	686,100	0.	0.	1,419	0.	1037,500	0.	2320,000
1007,000	4200,000	688,202	2,101	0.	1,780	0.	1061,226	-23,726	2320,000
1007,000	5300,000	689,091	0,809	0.	1,983	0.	1070,629	-33,129	2320,000
1007,000	8500,000	691,542	2,401	0.	2,076	0.	1093,956	-56,486	2320,000
1015,500	2100,000	686,217	0.	0.	0,137	0.	796,230	0.	250,000
1015,500	4200,000	686,382	2,185	0.	0,156	0.	821,627	-25,507	250,000
1015,500	5400,000	689,255	0,640	0.	0,145	0.	830,300	-34,152	250,000
1015,500	8500,000	691,770	2,515	0.	0,109	0.	855,307	-59,077	250,000
1031,400	2100,000	687,420	0.	0.	1,143	0.	287,919	0.	1530,000
1031,400	4200,000	689,442	2,002	0.	1,046	0.	521,652	-224,632	1530,000
1031,400	5000,000	690,555	6,003	0.	1,089	0.	577,720	-250,701	1530,000
1031,400	8500,000	692,652	2,497	0.	1,081	0.	691,080	-364,941	1530,000

DATE FOR LAST CROSS SECTION
PROFILE 1 0. 0.
2 0. 0.
TOP WIDTH TOP LIMIT
AREAS DIFF AREA-DIFF
320,479 0.
-399,031 78,551

 HER2 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-5,500 YEAR D

CATOF

J1	ICHECK	INC	NINV	IDTR	SIRT	METRIC	HVINS	G	WSEL	FG
	-0	6.	-0	-0	-0	-0	-0	-0	682,300	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

42202

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=5,100 YEAR Q CATOR

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0	4.	-0	-0	-0	-0	-0	-0	676.700	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

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

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-5, 50 YEAR Q

CATOE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	3.	-0	-0	-0	-0	-0	-0	673.300	-0
J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	-0	-0	-0	-0	-0	-0	-0	.-0	-0

42194

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

Profile PLOTTED 3-16-76 by S.P.F.

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-5, 10 YEAR Q

CATOF

J1	ICHECK	INQ	NINQ	IDTR	STRT	METRIC	HVINS	Q	WSEL	FD
	-0	2.	-0	-0	-0	-0	-0	-0	670.100	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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	9,000	-0	-0	-0
NC	.080	.080	.050	.100	.300	-0	-0	-0	-0	-0
QT	5,000	3800,000	7400,000	9600,000	9600,000	17500,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0
X1	191,900	20,000	455,000	498,000	-0	-0	-0	-0	-0	-0
GR	685,000	50,000	680,000	70,000	675,000	100,000	666,400	150,000	662,500	200,000
GR	662,000	268,000	660,500	275,000	661,700	288,000	662,200	350,000	662,300	400,000
GR	665,300	450,000	665,000	455,000	655,900	465,000	655,500	475,000	655,500	487,000
GR	665,800	498,000	663,200	550,000	663,700	600,000	667,500	650,000	685,000	740,000
QT	5,000	600,000	1070,000	1250,000	1250,000	1610,000	-0	-0	-0	-0
X1	7,500	16,000	275,000	310,000	750,000	750,000	750,000	-0	-0	-0
GR	673,200	0	673,000	17,000	668,400	25,000	667,400	50,000	667,000	100,000
GR	666,900	150,000	667,900	200,000	668,800	250,000	669,500	275,000	661,500	290,000
GR	661,300	300,000	661,500	304,000	669,300	310,000	670,300	350,000	678,700	400,000
GR	684,000	450,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	11,500	0	0	0	400,000	400,000	400,000	-0	2,300	-0
X1	16,000	12,000	90,000	111,000	450,000	450,000	450,000	-0	-2,300	-0
GR	687,900	0	679,200	25,000	677,800	50,000	676,500	90,000	668,700	96,000
GR	668,500	100,000	668,700	104,000	676,400	111,000	678,400	136,000	683,100	141,000
GR	684,400	150,000	693,000	200,000	-0	-0	-0	-0	-0	-0
X1	20,000	-0	-0	-0	400,000	400,000	400,000	-0	2,300	-0
X1	22,500	-0	-0	-0	250,000	250,000	250,000	-0	2,900	-0
X1	25,000	10,000	30,000	75,000	250,000	250,000	250,000	-0	-2,900	-0
GR	701,000	-0	689,000	30,000	679,500	40,000	679,400	50,000	679,500	60,000
GR	685,300	75,000	685,200	100,000	685,100	150,000	687,200	200,000	695,100	250,000
X1	27,500	-0	-0	-0	250,000	250,000	250,000	-0	2,900	-0
X1	28,000	-0	-0	-0	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	695,200	695,200	-0
SB	-0	1,500	2,500	-0	6,000	-0	28,270	-0	-0	-0
X1	29,000	14,000	80,000	125,000	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	685,300	695,100	-0	-0	-0	-0	-0

17555

X3	10,000	-0	-0	-0	-0	-0	-0	-0	695,200	695,200	-0
BT	11,000	-0	703,200	-0	50,000	699,200	-0	97,000	695,200	682,500	
BT	98,000	695,200	684,800	100,000	695,200	685,500	102,000	695,200	684,800	103,000	
BT	695,200	682,500	150,000	692,400	-0	200,000	691,600	-0	250,000	693,200	
BT	-0	300,000	696,200	-0	-0	-0	-0	-0	-0	-0	
GR	701,000	50,000	689,000	80,000	682,500	90,000	682,500	97,000	680,200	98,000	
GR	679,500	100,000	680,200	102,000	682,500	103,000	682,500	115,000	685,300	125,000	
GR	685,200	150,000	665,100	200,000	687,200	250,000	695,100	300,000	-0	-0	
X1	29,500	15,000	42,000	56,000	50,000	50,000	50,000	-0	-0	-0	
GR	708,600	-0	689,900	25,000	686,400	42,000	681,200	44,000	680,600	50,000	
GR	680,800	54,000	685,700	56,000	686,000	100,000	685,600	108,000	682,200	112,000	
GR	684,800	115,000	685,100	150,000	687,100	200,000	691,000	250,000	692,400	300,000	
X1	35,000	14,000	89,000	110,000	550,000	550,000	550,000	-0	-0	-0	
GR	702,500	0	690,900	20,000	689,900	50,000	690,300	89,000	683,800	95,000	
GR	683,700	100,000	683,800	104,000	689,400	110,000	689,200	150,000	689,100	200,000	
GR	691,300	250,000	694,400	300,000	699,900	350,000	704,000	400,000	-0	-0	
X1	37,000	-0	-0	-0	200,000	200,000	200,000	-0	1,500	-0	
X1	39,500	9,000	88,000	115,000	250,000	250,000	250,000	-0	-1,500	-0	
GR	702,700	0	694,500	30,000	694,300	50,000	694,700	88,000	689,200	96,000	
GR	688,700	100,000	669,400	108,000	698,400	115,000	697,800	150,000	-0	-0	
X1	41,500	-0	-0	-0	200,000	200,000	200,000	-0	1,500	-0	
QT	5,000	500,000	900,000	1050,000	1050,000	1350,000	-0	-0	-0	-0	
X1	54,500	18,000	137,000	155,000	1300,000	1300,000	1300,000	-0	-0	-0	
GR	724,500	-0	721,200	30,000	704,600	50,000	703,900	100,000	704,600	137,000	
GR	697,300	147,000	697,100	150,000	697,400	153,000	704,300	155,000	702,800	200,000	
GR	703,500	250,000	703,300	300,000	704,000	350,000	705,100	400,000	710,000	440,000	
GR	715,000	500,000	720,000	535,000	725,000	560,000	-0	-0	-0	-0	
QT	5,000	350,000	620,000	730,000	730,000	940,000	-0	-0	-0	-0	
X1	57,500	-0	-0	-0	300,000	300,000	300,000	-0	2,300	-0	
X1	62,000	14,000	191,000	211,000	450,000	450,000	450,000	-0	-2,300	-0	
GR	726,600	-0	722,100	50,000	718,700	100,000	715,700	150,000	712,000	191,000	
GR	705,500	197,000	705,300	200,000	705,500	203,000	713,100	211,000	711,800	250,000	
GR	710,300	300,000	711,600	350,000	716,400	400,000	719,600	450,000	-0	-0	
X1	65,000	-0	-0	-0	300,000	300,000	300,000	-0	2,300	-0	
QT	5,000	290,000	410,000	500,000	500,000	640,000	-0	-0	-0	-0	
X1	75,000	10,000	90,000	110,000	1000,000	1000,000	1000,000	-0	-0	-0	
GR	736,200	-0	724,200	50,000	720,400	55,000	719,400	90,000	716,100	95,000	
GR	716,000	100,000	716,100	105,000	722,200	110,000	724,900	150,000	733,700	200,000	
X1	82,500	10,000	42,000	60,000	750,000	750,000	750,000	-0	-0	-0	
GR	744,800	-0	726,900	42,000	723,200	47,000	723,000	50,000	723,300	53,000	
GR	727,000	60,000	732,500	100,000	737,100	150,000	743,500	200,000	749,000	250,000	
X1	91,000	10,000	80,000	125,000	850,000	850,000	850,000	-0	-0	-0	
GR	759,200	-0	748,700	50,000	739,800	63,000	743,300	68,000	740,800	80,000	
GR	734,500	90,000	734,400	100,000	734,500	105,000	744,600	125,000	749,500	150,000	
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	

42190

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L=4-1,500 YEAR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWTD	STENCI	STENCR	WSELK
*A	2.20	-0	0	665.50	195.00	670.00	47.03	670.02	128.48	0	0	670.00
	2.20	-0	0	665.50	340.00	673.20	455.29	673.20	297.22	0	0	673.20
	2.20	-0	0	665.50	400.00	676.60	1496.06	676.60	400.00	0	0	676.60
	2.20	-0	0	665.50	520.00	682.30	4615.98	682.30	400.00	0	0	682.30
STA 3+00	4.00	180.00	673.2	670.0	668.00	195.00	674.30	336.23	674.30	199.35	0	0
Rosewood Dr.	4.00	180.00	673.20	670.70	668.00	340.00	675.06	460.35	675.06	209.89	0	0
B	4.00	180.00	673.20	670.70	668.00	400.00	676.64	786.59	676.64	228.48	0	0
	4.00	180.00	673.20	670.70	668.00	520.00	682.33	2630.14	682.33	250.00	0	0
C	5.00	100.00	0	0	672.00	195.00	674.30	12.49	674.65	81.57	0	0
	5.00	100.00	0	0	672.00	340.00	674.94	30.21	675.14	108.95	0	0
	5.00	100.00	0	0	672.00	400.00	676.63	137.76	676.66	158.24	0	0
	5.00	100.00	0	0	672.00	520.00	682.33	1227.46	682.34	234.12	0	0
D	7.50	250.00	0	0	674.90	195.00	678.39	18.21	678.60	71.95	0	0
	7.50	250.00	0	0	674.90	340.00	678.64	24.71	679.17	80.21	0	0
	7.50	250.00	0	0	674.90	400.00	678.75	28.07	679.33	83.92	0	0
	7.50	250.00	0	0	674.90	520.00	682.34	310.53	682.35	160.98	0	0
STA 8+50	9.00	150.00	682.8	679.4	677.40	195.00	683.86	170.34	683.87	124.43	0	0
A Diet Rd.	9.00	150.00	682.80	679.40	677.40	340.00	684.30	210.26	684.31	129.65	0	0
	9.00	150.00	682.80	679.40	677.40	400.00	684.45	224.30	684.46	131.37	0	0
	9.00	150.00	682.80	679.40	677.40	520.00	684.74	254.00	684.76	134.83	0	0
E	9.50	50.00	0	0	678.00	195.00	683.87	179.19	683.87	124.44	0	0
	9.50	50.00	0	0	678.00	340.00	684.31	220.80	684.33	129.72	0	0
	9.50	50.00	0	0	678.00	400.00	684.46	235.42	684.48	131.44	0	0
	9.50	50.00	0	0	678.00	520.00	684.76	267.23	684.78	135.04	0	0
F	18.00	850.00	0	0	694.20	195.00	698.17	9.99	699.20	12.08	0	0
	18.00	850.00	0	0	694.20	340.00	699.33	22.22	700.20	31.68	0	0
	18.00	850.00	0	0	694.20	400.00	699.61	26.78	700.53	34.07	0	0
	18.00	850.00	0	0	694.20	520.00	700.06	35.80	701.03	38.24	0	0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWTD	T.W. DIFF	LENGTH
2,200	195.000	670.000	0	0	0	128.480	0	-0
2,200	340.000	673.200	3.200	0	0	297.222	-168.738	-0
2,200	400.000	676.600	3.400	0	0	400.000	-271.516	-0
2,200	520.000	682.300	5.700	0	0	400.001	-271.517	-0
4,000	195.000	674.297	0	0.297	0	199.350	0	180.000
4,000	340.000	675.056	.759	1.856	0	209.888	-10.538	180.000
4,000	400.000	676.641	1.585	.041	0	228.478	-29.128	180.000
4,000	520.000	682.334	5.693	.034	0	250.002	-50.652	180.000
5,000	195.000	674.302	0	.005	0	81.560	0	100.000
5,000	340.000	674.937	.635	-.110	0	108.952	-27.380	100.000
5,000	400.000	676.634	1.697	-.008	0	158.230	-76.671	100.000
5,000	520.000	682.334	5.700	-.000	0	234.118	-152.550	100.000
7,500	195.000	678.388	0	4.086	0	71.955	0	250.000
7,500	340.000	678.641	.254	3.704	0	80.210	-8.255	250.000

17555

7,500	400,000	678,754	.113	2,121	0	83,915	-11,960	250,000
7,500	520,000	682,335	3,581	.001	0	169,979	-98,024	250,000
9,000	195,000	683,862	0	5,474	0	124,429	0	150,000
9,000	340,000	684,304	.442	5,662	0	129,653	-5,224	150,000
9,000	400,000	684,448	.148	5,693	0	131,370	-6,940	150,000
9,000	520,000	684,738	.290	2,403	0	134,830	-10,401	150,000
9,500	195,000	683,867	0	.006	0	124,437	0	50,000
9,500	340,000	684,315	.447	.011	0	129,717	-5,280	50,000
9,500	400,000	684,461	.146	.010	0	131,445	-7,008	50,000
9,500	520,000	684,756	.295	.018	0	135,037	-10,599	50,000
18,000	195,000	698,170	0	14,303	0	12,076	0	850,000
18,000	340,000	699,326	1,156	15,011	0	31,683	-19,606	850,000
18,000	400,000	699,606	.280	15,144	0	34,065	-21,989	850,000
18,000	520,000	700,061	.456	15,305	0	38,244	-26,168	850,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3,253	0
2	0	0	4,041	.788
3	0	0	4,574	1,320
4	0	0	5,429	2,175

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=0=1,500 YEAR Q

CATOF

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	=0	6.	=0	=0	=0	=0	=0	=0	482.300	=0
J2	NPROF	IPLT	PRFS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	15,000	=0	=0	=0	=0	=0	=0	=0	=0	=0

17553

 4EC2 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4-1,100 YEAR Q CATOE

J1	ICHECK	INO	NINV	TOTR	STRT	METRIC	HVTNS	Q	WSEL	PG
	-0	4.	-0	-0	-0	-0	-0	-0	676,600	-0
J2	NPROF	TPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	TTRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

17551

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4-1, 50 YEAR Q CATOE

J1	TCHECK	INQ	NINV	TDTR	STPT	METRIC	WVINS	Q	WSEL	EQ
	-0	3.	-0	-0	-0	-0	-0	-0	673,200	-0
J2	NPROF	TPLUT	PHFVS	YSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITPACE
	2,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

17549

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

PROFILE PLOTTED 3-19-76 by S.P.F.

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4-1, 10 YEAR Q

CATOF

J1 ICHECK INQ NINV IDIR STPT METRIC HVINS Q WSEL EQ
 -0 2 -0 -0 -0 -0 -0 -0 670,000 -0

J2 NPROF TRTOT PRFVS XSECV XSECH FN ALLDC IBW 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	9,000	-0	-0	-0
NC	.070	.070	.050	.100	.300	-0	-0	-0	-0	-0
QT	5,000	195,000	340,000	400,000	400,000	520,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0
V1	2,200	13,000	146,000	155,000	-0	-0	-0	-0	-0	-0
GR	668,200	0	668,500	50,000	669,200	100,000	671,000	146,000	666,100	149,000
GR	665,500	150,000	665,800	151,000	670,400	155,000	670,600	200,000	671,500	250,000

160 669.1

200 672.2

250 674.1 675.9

17547

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

PROFILE PLOTTED 3-19-76 by S.P.F.

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4-1, 10 YEAR Q CATOF

J1	ICHECK	INQ	NINQ	IDIR	STPT	METRIC	MVINS	Q	WSEL	FD
	-0	2.	-0	-0	-0	-0	-0	-0	670.000	-0
J2	NPROF	TPLT	PRFVS	YSECV	XSECH	FN	ALLOD	IRW	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	9.000	-0	-0	-0
NC	.070	.070	.050	.100	.300	-0	-0	-0	-0	-0
QT	5.000	195.000	340.000	400.000	400.000	520.000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10.400	-0	-0	-0	-0	-0
X1	2.200	13.000	146.000	155.000	-0	-0	-0	-0	-0	-0
GR	668.200	0	668.500	50.000	669.200	100.000	671.000	146.000	666.100	149.000
GR	665.500	150.000	665.800	151.000	670.400	155.000	670.600	200.000	671.500	250.000
GR	673.300	300.000	675.000	350.000	676.000	400.000	-0	-0	-0	-0
SB	0	1.500	2.500	-0	2.000	-0	4.900	-0	-0	-0
X1	4.000	13.000	149.000	151.000	180.000	180.000	180.000	-0	-4.000	-0
X2	-0	-0	1.000	ELC 670.700	673.200	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	674.000	674.000	-0
BT	5.000	0	670.800	0	100.000	672.100	0	149.000	673.200	670.700
BT	151.000	673.200	670.700	250.000	675.900	0	-0	-0	-0	-0
GR	682.900	0	682.600	15.000	679.600	25.000	678.700	50.000	675.600	55.000
GR	674.100	100.000	673.900	142.000	672.000	149.000	672.000	151.000	672.300	154.000
GR	673.100	160.000	676.200	200.000	678.100	250.000	-0	-0	-0	-0
X1	5.000	0	-0	-0	100.000	100.000	100.000	-0	4.000	-0
X1	7.500	12.000	95.000	108.000	250.000	250.000	250.000	-0	-0	-0
GR	685.800	0	685.400	13.000	681.700	23.000	679.800	50.000	677.900	95.000
GR	675.100	98.000	674.900	100.000	676.000	103.000	677.700	108.000	677.800	150.000
GR	683.300	200.000	687.700	250.000	-0	-0	-0	-0	-0	-0
SB	-0	1.500	2.500	-0	2.000	-0	3.140	-0	-0	-0
X1	9.000	13.000	99.000	101.000	150.000	150.000	150.000	-0	-0	-0
X2	-0	-0	1.000	-0	-0	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	482.800	482.800	-0
BT	10.000	0	689.300	0	50.000	685.000	0	99.000	482.800	678.400
BT	99.500	682.800	679.200	100.000	682.800	679.400	100.500	682.800	679.200	101.000
BT	682.800	678.100	102.000	682.800	0	150.000	683.100	0	200.000	485.300
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	693.300	0	683.400	50.000	679.800	97.000	678.100	98.000	678.400	99.000
GR	677.900	99.500	677.400	100.000	677.900	100.500	678.400	101.000	678.100	102.000
GR	679.300	105.000	680.600	150.000	688.000	200.000	-0	-0	-0	-0
X1	9.500	9.000	97.000	105.000	50.000	50.000	50.000	-0	-0	-0
GR	693.300	0	683.400	50.000	679.800	97.000	678.100	98.000	678.000	100.000

GR	678.100	102.000	679.300	105.000	680.600	150.000	688.000	200.000	=0	=0
X1	18.000	9.000	42.000	57.000	850.000	850.000	850.000	=0	=0	=0
GR	712.900	0	699.900	42.000	694.800	40.000	694.200	50.000	694.900	51.000
GR	698.500	57.000	698.700	70.000	702.900	100.000	709.900	150.000	=0	=0
EJ	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0

sta	GR	R/W	ELLC
0	678.9	670.8	
15	678.6		
25	675.6		
50	674.7		
55	671.6		
60	669.1		
100	670.1	672.1	
142	669.9		
149	668.0	673.2	670.7
151	668.0	673.2	670.7
154	668.3		
160	669.1		
200	672.2		
250	674.1	675.9	

C. O. 17547

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L=4,500 YEAR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWTD	STENCI	STENCR	WSELK	
A	7.10	=0	0	0	658.00	670.00	670.00	871.06	670.00	494.27	0	0	670.00
	7.10	=0	0	0	658.00	1150.00	673.20	2128.98	673.20	534.58	0	0	673.20
	7.10	=0	0	0	658.00	1350.00	676.60	4021.51	676.60	563.45	0	0	676.60
	7.10	=0	0	0	658.00	2000.00	682.30	8376.21	682.30	598.21	0	0	682.30
E RICHMOND GLENNER RD.	7.60	50.00	667.8	664.4	658.00	670.00	670.00	871.96	670.01	494.35	0	0	0
	7.60	50.00	0	0	658.00	1150.00	673.20	2129.68	673.20	534.59	0	0	0
	7.60	50.00	0	0	658.00	1350.00	676.60	4021.87	676.60	563.46	0	0	0
	7.60	50.00	0	0	658.00	2000.00	682.30	8376.46	682.30	598.22	0	0	0
	8.00	40.00	668.90	664.40	658.90	670.00	670.09	339.26	670.10	343.59	0	0	0
	8.00	40.00	668.90	664.40	658.90	1150.00	673.27	1067.92	673.27	392.89	0	0	0
	8.00	40.00	668.90	664.40	658.90	1350.00	676.65	2278.44	676.66	440.38	0	0	0
	8.00	40.00	668.90	664.40	658.90	2000.00	682.35	5381.09	682.36	550.00	0	0	0
B	8.50	50.00	0	0	659.60	670.00	670.11	387.32	670.12	344.95	0	0	0
	8.50	50.00	0	0	659.60	1150.00	673.27	1154.93	673.28	393.47	0	0	0
	8.50	50.00	0	0	659.60	1350.00	676.65	2415.73	676.66	435.25	0	0	0
	8.50	50.00	0	0	659.60	2000.00	682.35	5554.83	682.36	480.00	0	0	0
C	19.00	1050.00	0	0	664.80	670.00	670.60	45.48	671.35	26.46	0	0	0
	19.00	1050.00	0	0	664.80	1150.00	673.23	109.16	673.79	150.54	0	0	0
	19.00	1050.00	0	0	664.80	1350.00	676.71	439.82	676.77	199.36	0	0	0
	19.00	1050.00	0	0	664.80	2000.00	682.38	1565.33	682.39	249.21	0	0	0
D 32+50	33.00	1900.00	0	0	670.60	670.00	680.29	150.14	680.33	165.95	0	0	0
	33.00	1900.00	0	0	670.60	1150.00	681.38	254.88	681.43	265.49	0	0	0
	33.00	1900.00	0	0	670.60	1350.00	680.48	161.51	680.63	179.53	0	0	0
	33.00	1900.00	0	0	670.60	2000.00	683.02	574.85	683.07	346.81	0	0	0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWTD	T.W. DIFF	LENGTH
7.100	670.000	670.000	0	0	0	494.274	0	=0
7.100	1150.000	673.200	3.200	0	0	534.582	-40.308	=0
7.100	1350.000	676.600	3.400	0	0	563.451	-69.177	=0
7.100	2000.000	682.300	5.700	0	0	598.214	-103.940	=0
7.600	670.000	670.003	0	.003	0	494.348	0	50.000
7.600	1150.000	673.201	3.198	.001	0	534.595	-40.247	50.000
7.600	1350.000	676.601	3.399	.001	0	563.456	-69.108	50.000
7.600	2000.000	682.300	5.700	.000	0	598.217	-103.869	50.000
8.000	670.000	670.092	0	.089	0	343.587	0	40.000
8.000	1150.000	673.269	3.177	.068	0	392.891	-49.305	40.000
8.000	1350.000	676.653	3.384	.053	0	440.377	-96.791	40.000
8.000	2000.000	682.355	5.701	.054	0	550.000	-206.414	40.000
8.500	670.000	670.107	0	.015	0	344.947	0	50.000
8.500	1150.000	673.274	3.167	.005	0	393.474	-48.527	50.000
8.500	1350.000	676.655	3.381	.001	0	435.253	-90.306	50.000
8.500	2000.000	682.355	5.700	.000	0	480.001	-135.054	50.000
19.000	670.000	670.603	0	.496	0	26.462	0	1050.000
19.000	1150.000	673.231	2.628	-.043	0	150.538	-124.076	1050.000

670.00
673.20
676.60
682.30

41207

19,000	1350,000	676,706	3,475	.052	0	199,362	-172,901	1050,000
19,000	2000,000	682,377	5,670	.022	0	249,207	-222,745	1050,000
33,000	670,000	680,289	0	9,685	0	165,949	0	1900,000
33,000	1150,000	681,377	1,089	8,146	0	265,493	-99,544	1900,000
33,000	1350,000	680,478	-900	3,771	0	179,526	-13,577	1900,000
33,000	2000,000	683,016	2,538	.639	0	346,814	-180,865	1900,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	10,020	0
2	0	0	17,121	7,101
3	0	0	17,522	7,502
4	0	0	23,592	13,572

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=4,500 YEAR Q

CATOE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	6	-0	-0	-0	-0	-0	-0	682,300	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

41205

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=4,100 YEAR Q

CATOE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FD
	-0	4	-0	-0	-0	-0	-0	-0	676,600	-0
J2	NPROF	IPLT	PRFS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

41203

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=4,50 YEAR 0

CATOE

J1	ICHECK	ING	NINV	IDIR	STAT	METRIC	HVINS	D	WSEL	FD
	-0	3.	-0	-0	-0	-0	-0	-0	673,200	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	TTRACE
	2,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

41201

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

Plotted 3-15-76 by S.P.F.

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-4, 10 YEAR D

CATOF

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	D	XSEL	FN
	-0	2,	-0	-0	-0	-0	-0	-0	670,000	-0
J2	NPROF	IPILOT	PRFVS	XSECV	XSECH	FN	ALIDC	IN	CHNTH	TRHAF
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	4,000	27,000	28,000	9,000			
NC	.100	.100	.070	.100	.300					
QT	5,000	670,000	1150,000	1350,000	1350,000	2000,000				
ET	-0	-0	-0	-0	10,400					
X1	7,100	18,000	330,000	365,000						
GR	677,100	0	668,300	50,000	666,300	100,000	665,300	150,000	665,600	200,000
GR	664,800	250,000	665,500	300,000	665,800	330,000	658,600	340,000	658,000	350,000
GR	658,200	355,000	666,400	365,000	667,100	400,000	667,200	450,000	668,200	500,000
GR	670,800	550,000	679,700	575,000	682,500	600,000				
X1	7,600	-0	-0	-0	50,000	50,000	50,000			
SB	-0	1,500	2,500	-0	5,500	-0	23,700			
X1	8,000	23,000	397,300	402,800	40,000	40,000	40,000			
X2	-0	-0	1,000	664,400	668,900					
X3	10,000	-0	-0	-0	-0	-0	-0	669,000	669,000	
BT	18,000	-0	680,300	-0	50,000	676,300	-0	100,000	672,500	
BT	150,000	669,900	-0	200,000	668,700	-0	250,000	668,100	-0	300,000
BT	667,800	-0	350,000	668,200	-0	397,300	668,800	661,500	398,000	668,800
BT	663,500	399,000	668,800	664,200	400,000	668,800	664,400	401,000	668,800	668,200
BT	402,000	668,800	663,500	402,800	668,800	661,500	450,000	470,300	-0	500,000
BT	672,300	-0	550,000	675,200	-0	-0	-0	-0	-0	-0
GR	681,400	0	676,100	50,000	671,000	100,000	667,700	150,000	667,300	200,000
GR	667,200	250,000	666,900	300,000	668,200	350,000	666,000	385,000	659,700	396,000
GR	661,500	397,300	659,700	398,000	659,100	399,000	658,900	400,000	659,100	401,000
GR	659,700	402,000	661,500	402,800	659,800	404,000	667,900	413,000	668,400	450,000
GR	675,500	480,000	680,000	500,000	680,000	550,000	-0	-0	-0	-0
X1	8,500	15,000	385,000	413,000	50,000	50,000	50,000			
GR	681,400	0	676,100	50,000	670,900	100,000	667,700	150,000	667,300	200,000
GR	667,200	250,000	666,900	300,000	668,200	350,000	666,000	385,000	659,700	396,000
GR	659,600	400,000	659,800	404,000	667,900	413,000	668,400	450,000	675,500	480,000
X1	19,000	11,000	133,000	167,000	1050,000	1050,000	1050,000			
GR	681,900	0	673,300	50,000	672,100	100,000	673,000	133,000	665,500	146,000
GR	664,800	150,000	666,300	158,000	673,200	167,000	673,000	200,000	674,500	222,000
GR	682,600	250,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	33,000	16,000	135,000	365,000	1900,000	1900,000	1900,000			
GR	687,100	0	683,500	50,000	681,600	100,000	681,200	135,000	671,300	150,000

GR	677,500	160,000	679,600	200,000	680,000	250,000	680,700	300,000	681,700	330,000
GR	671,000	346,000	670,600	350,000	671,200	355,000	681,500	365,000	680,800	400,000
GR	692,400	450,000	-0	-0	-0	-0	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

C C 41199

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L-3, 500 YEAR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TW	EC	TOPWTD	STENCI	STENCH	WSFLK	
A	7.50	0.	0.	0.	647.10	300.00	649.72	12.01	670.02	112.29	0.	0.	669.20
	7.50	0.	0.	0.	667.10	540.00	672.70	181.84	672.72	170.25	0.	0.	672.70
	7.50	0.	0.	0.	647.10	630.00	674.20	351.92	674.21	191.82	0.	0.	674.20
	7.50	0.	0.	0.	667.10	810.00	678.60	1132.39	678.60	232.25	0.	0.	678.60
X	7.80	30.00	0.	0.	647.10	300.00	671.06	14.53	671.63	29.34	0.	0.	0.
	7.80	30.00	0.	0.	667.10	540.00	672.45	39.49	672.93	35.00	0.	0.	0.
	7.80	30.00	0.	0.	647.10	630.00	674.05	84.04	674.31	35.00	0.	0.	0.
	7.80	30.00	0.	0.	667.10	810.00	678.60	1132.73	678.61	232.27	0.	0.	0.
X	8.50	70.00	674.50	669.50	666.70	300.00	675.85	652.09	675.85	200.00	0.	0.	0.
	8.50	70.00	674.50	669.50	666.70	540.00	676.51	762.51	676.52	200.00	0.	0.	0.
	8.50	70.00	674.50	669.50	666.70	630.00	676.74	801.60	676.74	200.00	0.	0.	0.
	8.50	70.00	674.50	669.50	666.70	810.00	678.75	1187.11	678.75	200.00	0.	0.	0.
B	9.00	50.00	0.	0.	671.10	300.00	675.85	160.85	675.85	123.39	0.	0.	0.
	9.00	50.00	0.	0.	671.10	540.00	676.51	210.15	676.53	146.19	0.	0.	0.
	9.00	50.00	0.	0.	671.10	630.00	676.73	228.62	676.75	151.69	0.	0.	0.
	9.00	50.00	0.	0.	671.10	810.00	678.70	440.73	678.74	187.96	0.	0.	0.
C	12.00	300.00	0.	0.	673.30	300.00	676.06	53.49	676.10	100.90	0.	0.	0.
	12.00	300.00	0.	0.	673.30	540.00	676.87	90.40	676.92	108.37	0.	0.	0.
	12.00	300.00	0.	0.	673.30	630.00	677.13	104.50	677.10	111.46	0.	0.	0.
	12.00	300.00	0.	0.	673.30	810.00	678.90	226.29	678.90	151.01	0.	0.	0.
D	16.50	450.00	0.	0.	677.00	300.00	680.71	13.71	681.66	25.66	0.	0.	0.
	16.50	450.00	0.	0.	677.00	540.00	681.70	25.55	682.88	30.10	0.	0.	0.
	16.50	450.00	0.	0.	677.00	630.00	682.03	30.82	683.25	30.29	0.	0.	0.
	16.50	450.00	0.	0.	677.00	810.00	682.54	40.77	683.88	47.61	0.	0.	0.
E	18.50	200.00	0.	0.	678.50	300.00	684.03	40.15	684.21	47.13	0.	0.	0.
	18.50	200.00	0.	0.	678.50	540.00	685.25	71.03	685.48	58.72	0.	0.	0.
	18.50	200.00	0.	0.	678.50	630.00	685.50	82.11	685.80	68.21	0.	0.	0.
	18.50	200.00	0.	0.	678.50	810.00	686.20	104.05	686.48	62.86	0.	0.	0.
F	20.50	200.00	0.	0.	692.20	300.00	695.91	13.71	696.86	25.66	0.	0.	0.
	20.50	200.00	0.	0.	692.20	540.00	696.92	25.40	698.06	30.87	0.	0.	0.
	20.50	200.00	0.	0.	692.20	630.00	697.22	30.86	698.45	30.14	0.	0.	0.
	20.50	200.00	0.	0.	692.20	810.00	697.81	41.62	699.08	48.25	0.	0.	0.
G	23.00	250.00	0.	0.	709.30	300.00	711.90	11.83	712.96	20.21	0.	0.	0.
	23.00	250.00	0.	0.	709.30	540.00	712.92	22.13	714.19	23.77	0.	0.	0.
	23.00	250.00	0.	0.	709.30	630.00	713.23	26.05	714.69	20.89	0.	0.	0.
	23.00	250.00	0.	0.	709.30	810.00	713.78	34.00	715.32	24.91	0.	0.	0.
H	25.00	200.00	0.	0.	723.00	300.00	725.65	11.86	726.60	20.22	0.	0.	0.
	25.00	200.00	0.	0.	723.00	540.00	726.62	22.18	727.86	23.79	0.	0.	0.
	25.00	200.00	0.	0.	723.00	630.00	726.93	24.13	728.30	20.92	0.	0.	0.
	25.00	200.00	0.	0.	723.00	810.00	727.40	34.12	729.02	24.94	0.	0.	0.

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	TOPWTD	T.W. DIFF	LENGTH
7.500	300.000	669.724	0.	0.	112.292	0.	0.
7.500	540.000	672.700	2.976	0.	179.255	-66.963	0.

27229

7,500	630,000	674,200	1,500	0.	0.	191,825	-79,533	0.
7,500	810,000	678,600	4,400	0.	0.	232,250	-119,958	0.
7,800	300,000	671,060	0.	1,340	0.	29,341	0.	30,000
7,800	540,000	672,445	1,381	-255	0.	35,000	-5,650	30,000
7,800	630,000	674,047	1,602	-153	0.	35,000	-5,650	30,000
7,800	810,000	678,602	4,550	0.002	0.	232,273	-202,932	30,000
8,500	300,000	675,847	0.	4,783	0.	200,000	0.	70,000
8,500	540,000	676,513	665	4,067	0.	200,001	-0,000	70,000
8,500	630,000	676,737	225	2,690	0.	200,001	-0,000	70,000
8,500	810,000	678,745	2,008	148	0.	200,001	-0,001	70,000
9,000	300,000	675,845	0.	-0,002	0.	123,389	0.	50,000
9,000	540,000	676,508	663	-0,004	0.	146,190	-22,804	50,000
9,000	630,000	676,732	224	-0,005	0.	151,687	-28,298	50,000
9,000	810,000	678,743	2,011	-0,002	0.	187,956	-64,567	50,000
12,000	300,000	676,062	0.	217	0.	100,940	0.	300,000
12,000	540,000	676,869	807	351	0.	108,375	-7,435	300,000
12,000	630,000	677,133	263	401	0.	111,856	-10,516	300,000
12,000	810,000	678,905	1,772	161	0.	151,010	-50,070	300,000
16,500	300,000	680,709	0.	4,646	0.	25,656	0.	450,000
16,500	540,000	681,695	987	4,826	0.	34,101	-8,445	450,000
16,500	630,000	682,029	334	4,896	0.	39,289	-13,633	450,000
16,500	810,000	682,564	535	2,650	0.	47,604	-21,852	450,000
18,500	300,000	684,030	0.	3,321	0.	47,134	0.	200,000
18,500	540,000	685,247	1,217	3,552	0.	58,716	-11,582	200,000
18,500	630,000	685,586	339	3,557	0.	60,204	-13,072	200,000
18,500	810,000	686,197	611	3,633	0.	62,859	-15,725	200,000
20,500	300,000	695,900	0.	11,879	0.	25,656	0.	200,000
20,500	540,000	696,910	1,010	11,672	0.	34,471	-8,814	200,000
20,500	630,000	697,219	300	11,633	0.	39,139	-13,483	200,000
20,500	810,000	697,806	586	11,609	0.	48,250	-22,594	200,000
23,000	300,000	711,940	0.	16,635	0.	20,205	0.	250,000
23,000	540,000	712,920	976	16,001	0.	23,775	-3,570	250,000
23,000	630,000	713,226	306	16,007	0.	24,890	-0,680	250,000
23,000	810,000	713,778	552	15,972	0.	26,912	-6,707	250,000
25,000	300,000	725,648	0.	13,704	0.	20,220	0.	200,000
25,000	540,000	726,625	977	13,705	0.	23,792	-3,572	200,000
25,000	630,000	726,932	308	13,706	0.	24,917	-0,697	200,000
25,000	810,000	727,485	551	13,708	0.	26,948	-6,720	200,000

DATA FOR LAST CROSS SECTION

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

1	0.	0.	2,400	0.
2	0.	0.	2,777	374
3	0.	0.	2,908	500
4	0.	0.	3,771	1,367

 * SEPT 1971 VERSION UPDATED JAN 1976 *
 * ERROR CORRECTIONS 01-09 *
 * MODIFICATIONS 52-58 *

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-3, 500 YEAR Q

CATOF

J1	ICHECK	INO	NJNV	IDIR	STPT	METRIC	WVINS	0	WSEL	EQ
	0.	6.	0.	0.	0.	0.	0.	0.	678.600	0.
J2	NPROF	IPL0T	PREVS	XSFCV	XSFCW	FN	ALLOD	IRW	CHNTM	TTRACE
	15,000	0.	0.	0.	0.	0.	0.	0.	0.	0.

27223

 * SEPT 1971 VERSION UPDATED JAN 1976 *
 * ERROR CORRECTIONS 01-09 *
 * MODIFICATIONS 52-58 *

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-3, 100 YEAR Q

CATOE

J1	ICHECK	INO	NINV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.	0.	0.	0.	674.200	0.
J2	NPROF	IPILOT	PREVS	YSECV	YSECH	FN	ALLOC	IRW	CHNTH	TTRACE
	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

27220
 27223

 * SEPT 1971 VERSION UPDATED JAN 1976 *
 * ERROR CORRECTIONS 01-09 *
 * MODIFICATIONS 52-58 *

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY 1-3, 50 YEAR

CATOF

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	0.	3.	0.	0.	0.	0.	0.	0.	672.700	0.
J2	NPROF	TPLOT	PRFVS	YSECV	YSFCH	FN	ALLDC	IPW	CHNTH	TTRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

27220

 * SEPT 1971 VERSION UPDATED JAN 1976 *
 * ERROR CORRECTIONS 01-09 *
 * MODIFICATIONS 52-58 *

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-3, 10 YEAR W CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	RVINS	D	WSEL	FG
	0.	2.	0.	0.	0.	0.	0.	0.	669,200	0.
J2	NPPOF	TPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	IRW	CWNIM	TIPACE
	1,000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	1,000	34,000	3,000	4,000	27,000	28,000	9,000	0.	0.	0.
NC	.100	.100	.070	.100	.300	0.	0.	0.	0.	0.
QT	5,000	300,000	540,000	430,000	430,000	810,000	0.	0.	0.	0.
X1	7,500	14,000	70,000	105,000	0.	0.	0.	0.	0.	0.
GR	681,200	0.	680,000	35,000	677,600	50,000	671,600	70,000	669,200	95,000
GR	668,300	97,000	667,100	100,000	667,400	103,000	669,200	105,000	668,700	150,000
GR	669,600	200,000	673,000	250,000	674,800	260,000	681,300	300,000	0.	0.
X1	7,500	0.	0.	0.	30,000	30,000	30,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	674,600	674,600	0.
SB	0.	1,500	2,500	0.	2,500	0.	2,500	0.	0.	0.
X1	8,500	9,000	98,500	101,500	70,000	70,000	70,000	0.	80,000	0.
X2	0.	0.	1,000	669,500	674,500	0.	0.	0.	0.	0.
Y3	10,000	0.	0.	0.	0.	0.	0.	674,600	674,600	0.
BT	7,000	0.	682,100	0.	50,000	677,000	0.	98,500	674,500	669,500
BT	101,500	674,500	669,500	150,000	675,100	0.	200,000	677,500	0.	250,000
BT	681,000	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	680,100	0.	674,500	50,000	671,900	65,000	671,100	98,500	671,100	101,500
GR	672,200	150,000	675,800	160,000	676,300	175,000	677,900	200,000	0.	0.
X1	9,000	0.	0.	0.	50,000	50,000	50,000	0.	4,400	0.
X3	10,000	0.	0.	0.	0.	0.	0.	674,600	674,600	0.
Y1	12,000	0.	0.	0.	300,000	300,000	300,000	0.	2,200	0.
X1	16,500	13,000	92,000	104,000	650,000	650,000	650,000	0.	-1,500	0.
GR	701,800	0.	695,700	50,000	682,400	75,000	682,200	80,000	681,200	92,000
GR	679,000	97,000	678,500	100,000	678,500	103,000	682,700	106,000	680,600	130,000
GR	686,300	140,000	687,000	150,000	691,700	200,000	0.	0.	0.	0.
Y1	18,500	0.	0.	0.	200,000	200,000	200,000	0.	1,500	0.
Y1	20,500	0.	0.	0.	200,000	200,000	200,000	0.	13,700	0.
X1	23,000	8,000	30,000	60,000	250,000	250,000	250,000	0.	-13,700	0.
GR	740,000	0.	728,500	30,000	723,000	25,000	723,200	50,000	723,500	56,000
GR	727,800	60,000	729,300	100,000	731,200	150,000	0.	0.	0.	0.
X1	25,000	0.	0.	0.	200,000	200,000	200,000	0.	13,700	0.

07217

SUMMARY PRINTOUT OF MULTIPLE PROFILES

LONG CREEK 500 YEAR FLOOD

SECTION CHANNEL MIN FLOW MAX FLOW MIN FLOW DISCHARGE
 NUMBER LENGTH ROADWAY I-GW-CHORD GROUND (CFS)

SECTION NUMBER	CHANNEL LENGTH	MIN FLOW	MAX FLOW	MIN FLOW DISCHARGE	I-GW-CHORD	GROUND	CFS	TO	EC	TOP TO	STENCI	STFNCR	VCM
A	90.00	-0	607.00	3800.00	607.00	3800.00	607.00	1051.05	604.40	307.22	0	0	2.69
	90.00	-0	607.00	7000.00	607.00	7000.00	607.00	2063.45	667.62	363.21	0	0	3.07
B	97.50	750.00	608.10	3800.00	608.10	3800.00	608.10	1034.82	665.40	155.53	0	0	3.02
	97.50	750.00	608.10	7000.00	608.10	7000.00	608.58	1707.50	668.81	210.75	0	0	4.08
C	112.00	1450.00	607.80	3800.00	607.80	3800.00	607.80	3389.23	645.92	674.31	0	0	5.68
	112.00	1450.00	607.80	7400.00	607.80	7400.00	607.80	6392.41	649.32	732.70	0	0	1.04
D	123.00	1100.00	606.80	3800.00	606.80	3800.00	606.80	4401.40	646.02	592.09	0	0	1.72
	123.00	1100.00	606.80	7400.00	606.80	7400.00	606.42	7441.50	649.42	660.72	0	0	1.97
E	133.00	1000.00	608.20	3800.00	608.20	3800.00	608.14	2028.32	646.14	324.97	0	0	1.62
	133.00	1000.00	608.20	7400.00	608.20	7400.00	609.57	3425.08	649.62	384.18	0	0	2.02
F	147.80	1480.00	609.30	3800.00	609.30	3800.00	609.30	3151.40	649.94	592.88	0	0	1.07
	147.80	1480.00	609.30	7400.00	609.30	7400.00	615.50	7440.55	671.54	605.97	0	0	1.18
G	151.00	320.00	608.60	3800.00	608.60	3800.00	611.61	2811.61	646.52	580.28	0	0	1.04
	151.00	320.00	608.60	7400.00	608.60	7400.00	608.74	5087.37	670.02	621.41	0	0	1.24
H	163.80	1280.00	652.60	3800.00	652.60	3800.00	675.75	775.75	667.12	192.63	0	0	3.51
	163.80	1280.00	652.60	7400.00	652.60	7400.00	672.04	1502.71	670.61	210.39	0	0	4.04
I	181.70	1790.00	654.30	3800.00	654.30	3800.00	670.02	1114.88	670.02	204.24	0	0	2.32
	181.70	1790.00	654.30	7400.00	654.30	7400.00	673.19	2125.65	673.28	410.57	0	0	2.58
J	183.90	220.00	654.60	3800.00	654.60	3800.00	682.25	5932.09	670.02	850.05	0	0	1.72
	183.90	220.00	654.60	7400.00	654.60	7400.00	673.20	12412.95	673.28	1185.86	0	0	1.80

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CASE	TW	EC	TOPWTD	STENCI	STENCH	VCH	
K	194.00	1010.00	0	0	655.50	3800.00	670.07	4430.74	670.00	530.53	0	0	1.00
	194.00	1010.00	0	0	655.50	7400.00	673.30	8220.78	673.34	560.99	0	0	1.23
	194.00	1010.00	0	0	655.50	9600.00	676.62	13222.50	676.65	604.44	0	0	1.13
	194.00	1010.00	0	0	655.50	17500.00	682.25	24216.70	682.20	664.85	0	0	1.34
L	217.40	2340.00	0	0	658.60	3800.00	670.28	3768.96	670.20	1194.35	0	0	1.00
	217.40	2340.00	0	0	658.60	7400.00	673.48	9817.75	673.50	1344.26	0	0	.92
	217.40	2340.00	0	0	658.60	9600.00	676.73	18681.14	676.74	1469.97	0	0	.73
	217.40	2340.00	0	0	658.60	17500.00	682.36	40596.85	682.37	1693.94	0	0	.76
M	240.00	2260.00	0	0	661.90	3400.00	670.85	365.47	671.02	1076.56	0	0	4.50
	240.00	2260.00	0	0	661.90	6600.00	673.77	2351.83	673.80	1332.97	0	0	1.74
	240.00	2260.00	0	0	661.90	9000.00	676.85	6357.83	676.84	1808.58	0	0	1.05
	240.00	2260.00	0	0	661.90	16000.00	682.43	17850.86	682.40	1470.00	0	0	.85
N	264.30	2430.00	0	0	662.00	3400.00	675.93	1070.84	675.97	690.69	0	0	2.00
	264.30	2430.00	0	0	662.00	6600.00	676.45	1331.28	676.54	710.32	0	0	3.24
	264.30	2430.00	0	0	662.00	9000.00	677.74	2088.97	677.84	768.68	0	0	3.07
	264.30	2430.00	0	0	662.00	16000.00	682.74	6702.77	682.80	930.96	0	0	2.14
O	276.00	1170.00	0	0	666.00	3400.00	677.62	647.52	677.88	377.84	0	0	5.13
	276.00	1170.00	0	0	666.00	6600.00	679.51	1218.41	679.82	414.20	0	0	6.02
	276.00	1170.00	0	0	666.00	9000.00	680.43	1575.97	680.80	432.52	0	0	6.71
	276.00	1170.00	0	0	666.00	16000.00	683.74	3250.33	684.12	486.24	0	0	6.83
P	279.00	300.00	684.90	682.80	666.60	3400.00	677.60	2418.35	677.88	1071.77	0	0	1.34
	279.00	300.00	684.90	682.80	666.60	6600.00	679.54	4391.64	679.82	1102.43	0	0	1.64
	279.00	300.00	684.90	682.80	666.60	9000.00	680.47	5553.73	680.80	1109.02	0	0	1.87
	279.00	300.00	684.90	682.80	666.60	16000.00	685.77	14312.21	685.80	1140.55	0	0	1.64
Q	289.00	1000.00	0	0	668.30	3400.00	678.21	1058.56	678.27	673.88	0	0	2.85
	289.00	1000.00	0	0	668.30	6600.00	680.15	2220.15	680.22	732.08	0	0	3.04
	289.00	1000.00	0	0	668.30	9000.00	681.17	2997.42	681.25	754.75	0	0	3.31
	289.00	1000.00	0	0	668.30	16000.00	685.94	4056.57	686.01	873.06	0	0	2.80
R	293.30	430.00	702.60	699.30	669.30	3300.00	678.21	331.30	679.60	84.26	0	0	9.86
	293.30	430.00	702.60	699.30	669.30	6450.00	680.14	522.19	682.90	98.36	0	0	13.98
	293.30	430.00	702.60	699.30	669.30	8800.00	681.17	642.77	685.00	101.88	0	0	16.48
	293.30	430.00	702.60	699.30	669.30	15500.00	685.94	1490.72	689.47	153.94	0	0	16.57
S	303.70	1040.00	0	0	670.30	3300.00	683.04	851.80	683.23	322.74	0	0	4.11
	303.70	1040.00	0	0	670.30	6450.00	686.23	1910.19	686.30	370.95	0	0	4.20
	303.70	1040.00	0	0	670.30	8800.00	688.14	2788.43	688.32	410.64	0	0	4.30
	303.70	1040.00	0	0	670.30	15500.00	692.10	5130.54	692.20	467.59	0	0	4.90
T	306.60	290.00	698.40	695.90	671.00	3300.00	683.08	1170.75	683.32	270.91	0	0	4.80
	306.60	290.00	698.40	695.90	671.00	6450.00	686.25	2175.21	686.57	321.52	0	0	6.04
	306.60	290.00	698.40	695.90	671.00	8800.00	688.17	2958.44	688.50	360.62	0	0	6.61
	306.60	290.00	698.40	695.90	671.00	15500.00	692.12	5013.64	692.50	427.61	0	0	7.98

SECTION NUMBER	CHANNEL LENGTH	MIN EI OF ROADWAY	MAX FL OF LOW CHORD	MIN EI OF GROUND	DISCHARGE (CFS)	CWSEL	TD	EG	TOPWD	STENCI	STENCH	VCW
U	321.80	1520.00	0	0	672.10	3300.00	683.77	2807.80	683.78	902.31	0	1.68
	321.80	1520.00	0	0	672.10	6450.00	687.02	5680.03	687.03	985.75	0	1.91
	321.80	1520.00	0	0	672.10	8800.00	688.98	7850.20	688.99	1022.17	0	2.11
	321.80	1520.00	0	0	672.10	15500.00	693.06	13430.23	693.08	1072.97	0	2.55
V	340.00	1820.00	0	0	674.20	3150.00	684.18	1220.42	684.23	735.19	0	3.30
	340.00	1820.00	0	0	674.20	6200.00	687.35	3195.33	687.36	900.01	0	3.16
	340.00	1820.00	0	0	674.20	8600.00	689.28	4846.91	689.32	998.40	0	3.22
	340.00	1820.00	0	0	674.20	15000.00	693.35	9577.77	693.39	1254.00	0	3.42
W	343.60	2340.00	0	0	677.40	3150.00	686.73	597.10	687.15	423.45	0	6.80
	343.60	2340.00	0	0	677.40	6200.00	688.93	1280.53	689.30	575.00	0	7.53
	343.60	2340.00	0	0	677.40	8600.00	690.57	2028.41	690.88	620.13	0	7.33
	343.60	2340.00	0	0	677.40	15000.00	694.30	4375.90	694.50	718.13	0	7.17
X	382.30	1870.00	0	0	680.10	2900.00	688.24	1911.53	688.27	1388.17	0	1.87
	382.30	1870.00	0	0	680.10	5750.00	690.31	3911.21	690.33	1400.00	0	2.17
	382.30	1870.00	0	0	680.10	8200.00	691.75	5695.98	691.79	1400.00	0	2.36
	382.30	1870.00	0	0	680.10	14000.00	695.21	10917.66	695.24	1400.00	0	2.55
Y	400.00	1770.00	0	0	683.30	2900.00	689.13	254.81	690.02	324.06	0	8.31
	400.00	1770.00	0	0	683.30	5750.00	690.94	741.03	691.60	644.86	0	7.80
	400.00	1770.00	0	0	683.30	8200.00	692.41	1360.12	692.88	662.77	0	7.24
	400.00	1770.00	0	0	683.30	14000.00	695.67	3434.35	696.00	705.57	0	6.55

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL - WSELK	TOPWD	L.W. DIFF	LENGTH
90,000	3800,000	664,400	0	0	0	307,220	0	0
90,000	7400,000	667,500	3,100	0	0	363,204	-55,983	0
90,000	9600,000	668,900	1,400	0	0	383,593	-74,370	0
90,000	17500,000	672,900	4,000	0	0	439,511	-132,288	0
97,500	3800,000	665,360	0	0	0	155,524	0	750,000
97,500	7400,000	668,583	3,223	1,063	0	214,753	-59,227	750,000
97,500	9600,000	670,020	1,437	1,120	0	225,515	-69,988	750,000
97,500	17500,000	674,055	4,035	1,155	0	255,612	-100,064	750,000
112,000	3800,000	665,023	0	0	0	476,394	0	0
112,000	7400,000	669,298	4,275	0	0	733,700	-57,398	1450,000
112,000	9600,000	670,831	1,533	0	0	755,457	-70,151	1450,000
112,000	17500,000	675,124	4,293	1,060	0	764,140	-107,830	1450,000
123,000	3800,000	666,025	0	0	0	692,987	0	1100,000
123,000	7400,000	669,422	3,397	0	0	460,710	-67,732	1100,000
123,000	9600,000	670,967	1,545	0	0	695,652	-102,665	1100,000
123,000	17500,000	675,290	4,323	0	0	793,458	-200,471	1100,000
133,000	3800,000	666,140	0	0	0	346,970	0	1000,000
133,000	7400,000	669,565	3,425	0	0	366,183	-30,208	1000,000
133,000	9600,000	671,120	1,554	0	0	403,972	-54,998	1000,000
133,000	17500,000	675,473	4,353	0	0	440,203	-102,228	1000,000
147,800	3800,000	666,457	0	0	0	563,793	0	1480,000
147,800	7400,000	669,942	3,485	0	0	593,881	-30,088	1480,000
147,800	9600,000	671,538	1,596	0	0	605,969	-42,170	1480,000
147,800	17500,000	675,990	4,453	0	0	643,670	-70,881	1480,000
151,000	3800,000	666,503	0	0	0	589,260	0	320,000
151,000	7400,000	669,993	3,490	0	0	621,604	-32,324	320,000
151,000	9600,000	671,542	1,549	0	0	634,020	-47,140	320,000

151,000	17500,000	676,057	0,465	0,62	0	660,950	-80,671	720,000
163,800	3800,000	664,970	0	0,75	0	192,524	0	1280,000
163,800	7400,000	670,416	2,437	0,23	0	219,387	-24,861	1280,000
163,800	9600,000	672,006	1,590	0,14	0	226,382	-32,858	1280,000
163,800	17500,000	676,437	0,431	0,380	0	256,890	-64,365	1280,000
181,700	3800,000	660,062	0	2,984	0	346,338	0	1790,000
181,700	7400,000	673,188	2,224	2,773	0	410,571	-64,237	1790,000
181,700	9600,000	674,747	1,550	2,741	0	442,838	-97,501	1790,000
181,700	17500,000	679,155	0,405	2,718	0	516,321	-169,984	1790,000
183,900	3800,000	669,970	0	0,07	0	850,045	0	220,000
183,900	7400,000	673,199	2,229	0,10	0	1185,850	-231,814	220,000
183,900	9600,000	676,607	2,408	1,850	0	1393,890	-530,844	220,000
183,900	17500,000	682,240	5,642	2,092	0	1500,000	-645,955	220,000
194,000	3800,000	670,068	0	0,98	0	534,531	0	1010,000
194,000	7400,000	673,304	2,236	0,105	0	569,980	-35,457	1010,000
194,000	9600,000	676,621	2,317	0,15	0	606,638	-72,106	1010,000
194,000	17500,000	682,250	5,628	0,01	0	664,852	-130,322	1010,000
217,400	3800,000	670,278	0	0,210	0	1194,349	0	2340,000
217,400	7400,000	673,484	2,206	0,180	0	1346,260	-151,911	2340,000
217,400	9600,000	676,720	2,245	0,108	0	1469,968	-275,619	2340,000
217,400	17500,000	682,356	5,626	0,106	0	1693,941	-499,592	2340,000
240,000	3400,000	670,858	0	0,576	0	1076,558	0	2260,000
240,000	6600,000	673,771	2,914	0,284	0	1332,971	-256,413	2260,000
240,000	9000,000	676,849	2,079	0,120	0	1448,574	-372,018	2260,000
240,000	16000,000	682,428	5,578	0,72	0	1670,000	-392,443	2260,000
264,300	3400,000	675,927	0	5,072	0	699,690	0	2430,000
264,300	6600,000	678,455	0,527	2,884	0	719,318	-10,427	2430,000
264,300	9000,000	677,739	1,285	0,890	0	768,670	-68,980	2430,000
264,300	16000,000	682,741	5,001	0,312	0	939,950	-240,269	2430,000
276,000	3000,000	677,616	0	1,689	0	277,838	0	1170,000
276,000	6600,000	679,510	1,894	2,055	0	416,201	-38,362	1170,000
276,000	9000,000	680,432	0,922	2,694	0	432,516	-54,678	1170,000
276,000	16000,000	682,757	2,224	1,014	0	480,237	-102,399	1170,000
279,000	3000,000	677,642	0	0,224	0	1071,760	0	300,000
279,000	6600,000	679,530	1,898	0,30	0	1102,432	-30,662	300,000
279,000	9000,000	680,469	0,930	0,37	0	1109,918	-32,149	300,000
279,000	16000,000	685,772	5,302	2,015	0	1140,551	-68,785	300,000
289,000	3000,000	678,210	0	0,568	0	673,870	0	1000,000
289,000	6600,000	680,152	1,942	0,612	0	732,080	-58,201	1000,000
289,000	9000,000	681,166	1,014	0,696	0	756,755	-82,874	1000,000
289,000	16000,000	685,942	0,776	0,170	0	873,062	-199,184	1000,000
293,300	3300,000	678,212	0	0,002	0	86,282	0	430,000
293,300	6450,000	680,155	1,942	0,002	0	98,255	-12,072	430,000
293,300	8800,000	681,170	1,015	0,004	0	101,877	-15,545	430,000
293,300	15500,000	685,945	0,775	0,002	0	169,942	-82,660	430,000
303,700	3300,000	682,064	0	0,851	0	222,730	0	1040,000
303,700	6450,000	684,232	2,169	0,077	0	279,951	-57,215	1040,000
303,700	8800,000	688,160	1,927	0,990	0	410,638	-87,899	1040,000
303,700	15500,000	692,101	2,941	0,156	0	467,585	-144,846	1040,000
306,600	3300,000	683,078	0	0,014	0	270,908	0	290,000
306,600	6450,000	684,245	2,168	0,012	0	221,515	-50,408	290,000
306,600	8800,000	688,173	1,927	0,012	0	264,620	-92,712	290,000
306,600	15500,000	692,117	2,944	0,015	0	427,604	-154,698	290,000

121,400	3300,000	483,760	0	.491	0	002,310	0	1520,000
121,400	6450,000	487,020	1,251	.774	0	085,745	-83,432	1520,000
121,400	8500,000	488,010	1,050	.802	0	1022,170	-110,837	1520,000
121,400	14800,000	491,060	0,001	.741	0	1012,970	-170,657	1520,000
120,800	3300,000	288,128	0	.808	0	735,191	0	1520,000
120,800	6300,000	289,188	1,171	.830	0	907,905	-170,713	1520,000
120,800	8200,000	289,280	1,038	.805	0	998,800	-262,210	1520,000
120,800	14800,000	291,700	0,050	.588	0	1248,997	-520,807	1520,000
120,800	3150,000	284,711	0	2,550	0	821,851	0	2360,000
120,800	6200,000	285,227	2,160	1,577	0	975,897	-152,843	2360,000
120,800	8200,000	285,291	1,282	1,288	0	488,120	-200,676	2360,000
120,800	14200,000	288,207	2,250	2,005	0	718,132	-298,678	2360,000
120,800	2000,000	288,243	0	1,527	0	1388,166	0	1870,000
120,800	5750,000	290,111	2,050	1,285	0	1800,000	-11,830	1870,000
120,800	8200,000	291,777	1,021	1,201	0	1000,001	-11,830	1870,000
120,800	14000,000	288,210	2,418	1,017	0	1400,001	-11,830	1870,000
120,800	2000,000	288,132	0	.872	0	126,060	0	1770,000
120,800	5750,000	288,062	1,030	.490	0	806,854	-120,700	1770,000
120,800	8200,000	288,011	1,081	.637	0	662,766	-136,700	1770,000
120,800	14000,000	288,471	1,298	.487	0	708,566	-170,500	1770,000

DATA FOR 1974 FISH CAPTURE

DATE	TYPE	EXP	TARGET	TOT MINIM AREA-ACRES	TOT MINIM AREA-DIFF
1	0	0	0	261,571	0
2	0	0	0	510,855	64,485
3	0	0	0	581,218	99,608
4	0	0	0	422,188	158,588

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

PROFILE PLOTTED 3-12-76 by FLETCHER

T1 GASTONIA NORTH CAROLINA
T2 FLOOD INSURANCE STUDY
T3 TRIBUTARY L-11, 10 YEAR Q CATOE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0	2	-0	-0	-0	-0	-0	-0	689,100	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTH	ITRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	34,000	3,000	4,000	27,000	2A,000	26,000		-0	-0
NC	.090	.090	.070	.100	.300				-0	-0
QT	5,000	2900,000	5750,000	8200,000	8200,000	14000,000			-0	-0
X1	400,000	29,000	820,000	920,000		-0	-0		-0	-0
GR	697,700	0	696,500	50,000	698,400	100,000	699,700	150,000	700,800	200,000
GR	700,200	250,000	693,900	300,000	687,300	327,000	686,800	350,000	687,500	400,000
GR	688,600	450,000	688,600	500,000	689,800	550,000	690,200	600,000	690,200	650,000
GR	689,900	700,000	689,400	750,000	689,100	800,000	688,600	820,000	685,400	825,000
GR	683,300	850,000	685,300	870,000	688,700	875,000	688,900	400,000	685,000	910,000
GR	690,100	920,000	689,700	950,000	696,900	1000,000	701,400	1050,000		-0
QT	5,000	675,000	1185,000	1390,000	1390,000	1820,000		-0	-0	-0
X1	13,000	14,000	334,000	355,000	1300,000	1300,000	1300,000		-0	-1,600
GR	707,000	0	694,900	100,000	693,900	150,000	695,600	200,000	696,600	250,000
GR	696,600	300,000	696,700	334,000	693,400	340,000	692,500	350,000	693,000	355,000
GR	697,600	364,000	699,000	400,000	700,700	438,000	706,900	450,000		-0
X1	18,000	-0	-0	-0	500,000	500,000	500,000		-0	2,300
X1	22,600	14,000	90,000	124,000	460,000	460,000	460,000		-0	-3,900
GR	713,200	0	710,400	50,000	704,100	90,000	699,300	96,000	699,100	100,000
GR	699,500	107,000	703,000	110,000	706,200	124,000	704,700	131,000	704,800	150,000
GR	705,300	200,000	705,900	250,000	708,000	300,000	709,600	350,000		-0
X1	27,600	-0	-0	-0	500,000	500,000	500,000		-0	2,300
X1	27,900	0	0	0	30,000	30,000	30,000		-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	708,500	708,500	-0
SB	0	1,500	3,000	0	25,000	0	235,000	0	0	0
X1	28,300	0	-0	-0	40,000	40,000	40,000		-0	-0
X2	-0	-0	1,000	706,500	708,400		-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	708,400	708,400	-0
BT	9,000	0	712,000	0	50,000	709,900		90,000	709,000	706,500
BT	96,000	709,000	706,500	124,000	708,900	706,500	150,000	708,700	0	700,000
BT	708,400	0	300,000	709,800	0	350,000	711,300	0	-0	-0
X1	28,600	17,000	85,000	126,000	30,000	30,000	30,000		-0	-1,600
GR	712,600	0	710,800	50,000	710,400	65,000	703,200	85,000	700,000	88,000
GR	699,800	100,000	700,800	116,000	704,400	126,000	704,800	150,000	705,900	200,000

41016

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

$$\begin{array}{r} 739.7 \\ 718.5 \\ \hline 20.6 \end{array}$$

$$\begin{array}{r} 17+50 \\ 2+50 \\ \hline 15+00 \end{array}$$

TRIBUTARY L-9-2,500 YEAR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EG	DEPTH	STENCL	STFNCR	VCM
*	2.50	=0	0	0	718.50	390.00	727.40	0	727.41	8.90	0	.60
*	2.50	=0	0	0	718.50	680.00	728.00	0	728.01	9.50	0	1.01
*	2.50	=0	0	0	718.50	800.00	728.60	0	728.61	10.10	0	1.01
*	2.50	=0	0	0	718.50	1040.00	729.50	0	729.51	11.00	0	1.07
	3.20	70.00	727.70	725.20	718.80	390.00	728.65	0	728.66	9.85	0	.52
	3.20	70.00	727.70	725.20	718.80	680.00	729.25	0	729.26	10.45	0	.79
V	3.20	70.00	727.70	725.20	718.80	800.00	729.50	0	729.51	10.70	0	.88
	3.20	70.00	727.70	725.20	718.80	1040.00	729.98	0	729.99	11.18	0	1.02
*	3.50	30.00	0	0	718.80	390.00	728.66	0	728.66	9.86	0	.52
*	3.50	30.00	0	0	718.80	680.00	729.26	0	729.26	10.46	0	.79
*	3.50	30.00	0	0	718.80	800.00	729.50	0	729.51	10.70	0	.88
*	3.50	30.00	0	0	718.80	1040.00	729.98	0	729.99	11.18	0	1.02
*	5.50	200.00	0	0	721.90	390.00	728.65	0	728.67	8.75	0	1.62
*	5.50	200.00	0	0	721.90	680.00	729.26	0	729.26	9.36	0	2.11
*	5.50	200.00	0	0	721.90	800.00	729.51	0	729.54	9.61	0	2.24
*	5.50	200.00	0	0	721.90	1040.00	729.99	0	730.01	10.09	0	2.41
	7.60	210.00	0	0	725.10	390.00	730.00	730.00	730.40	4.90	0	6.96
	7.60	210.00	0	0	725.10	680.00	730.38	730.38	730.85	5.28	0	8.21
	7.60	210.00	0	0	725.10	800.00	730.51	730.51	731.01	5.41	0	8.52
	7.60	210.00	0	0	725.10	1040.00	730.70	730.70	731.29	5.60	0	9.38
*	8.00	40.00	0	0	725.10	390.00	730.88	730.88	733.42	5.78	0	12.79
*	8.00	40.00	0	0	725.10	680.00	733.13	733.13	736.80	8.03	0	15.46
*	8.00	40.00	0	0	725.10	800.00	733.97	733.97	738.11	8.87	0	16.32
*	8.00	40.00	0	0	725.10	1040.00	735.64	735.64	735.65	10.54	0	1.19
	9.00	100.00	735.60	732.50	726.30	390.00	733.95	0	735.31	7.65	0	9.34
	9.00	100.00	735.60	732.50	726.30	680.00	737.27	0	737.28	10.97	0	1.11
	9.00	100.00	735.60	732.50	726.30	800.00	738.09	0	738.11	11.79	0	1.07
	9.00	100.00	735.60	732.50	726.30	1040.00	738.11	0	738.13	11.91	0	1.38
*	9.90	90.00	0	0	726.30	390.00	735.47	0	735.48	9.17	0	1.15
*	9.90	90.00	0	0	726.30	680.00	737.28	0	737.29	10.98	0	1.11
*	9.90	90.00	0	0	726.30	800.00	738.10	0	738.11	11.90	0	1.06
*	9.90	90.00	0	0	726.30	1040.00	738.12	0	738.14	11.92	0	1.38
	12.00	210.00	0	0	728.50	390.00	735.48	0	735.58	8.98	0	3.64
	12.00	210.00	0	0	728.50	680.00	737.30	0	737.34	9.80	0	2.34
	12.00	210.00	0	0	728.50	800.00	738.12	0	738.15	9.52	0	1.98
	12.00	210.00	0	0	728.50	1040.00	738.15	0	738.20	9.65	0	2.54
	15.00	300.00	0	0	731.80	390.00	736.29	0	736.44	8.49	0	3.12
	15.00	300.00	0	0	731.80	680.00	737.52	0	737.63	9.72	0	2.72
	15.00	300.00	0	0	731.80	800.00	738.25	0	738.32	8.45	0	2.37
	15.00	300.00	0	0	731.80	1040.00	738.34	0	738.48	8.56	0	2.96

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEL	CRIBS	EG	DEPTH	STENCE	STENCE	VCF
17.50	250.00	0	0	734.40	390.00	738.20	738.20	738.70	4.50	0	0	5.71
17.50	250.00	0	0	734.40	680.00	738.61	738.61	739.30	0.21	0	0	6.70
17.50	250.00	0	0	734.40	800.00	738.86	738.86	739.50	0.06	0	0	6.50
17.50	250.00	0	0	734.40	1040.00	739.10	739.10	739.87	0.70	0	0	7.20

SECTION NUMBER	DISCHARGE CFS	CASEL	CASEL DIFF EACH FT	CASEL DIFF EACH SECTION	CASEL-WSFLY	TOPWID	T.W. DIFF	LENGTH
2.500	390.000	727.400	0	0	0	0	0	0
2.500	680.000	728.000	.600	0	0	0	0	0
2.500	800.000	728.600	.600	0	0	0	0	0
2.500	1040.000	729.500	.900	0	0	0	0	0
3.200	390.000	728.655	0	1.255	0	0	0	70.000
3.200	680.000	729.255	.600	1.255	0	0	0	70.000
3.200	800.000	729.503	.249	.903	0	0	0	70.000
3.200	1040.000	729.980	.477	.480	0	0	0	70.000
3.500	390.000	728.655	0	.001	0	0	0	30.000
3.500	680.000	729.256	.601	.001	0	0	0	30.000
3.500	800.000	729.505	.249	.001	0	0	0	30.000
3.500	1040.000	729.987	.478	.002	0	0	0	30.000
5.500	390.000	728.650	0	-.001	0	0	0	200.000
5.500	680.000	729.257	.602	.001	0	0	0	200.000
5.500	800.000	729.506	.250	.002	0	0	0	200.000
5.500	1040.000	729.984	.479	.003	0	0	0	200.000
7.600	390.000	730.000	0	1.350	0	0	0	210.000
7.600	680.000	730.377	.377	1.120	0	0	0	210.000
7.600	800.000	730.500	.123	1.003	0	0	0	210.000
7.600	1040.000	730.697	.188	.712	0	0	0	210.000
8.000	390.000	730.850	0	.880	0	0	0	40.000
8.000	680.000	733.120	2.270	2.752	0	0	0	40.000
8.000	800.000	733.968	.848	3.459	0	0	0	40.000
8.000	1040.000	735.637	1.669	0.900	0	0	0	40.000
9.000	390.000	733.952	0	3.068	0	0	0	100.000
9.000	680.000	737.271	3.319	0.142	0	0	0	100.000
9.000	800.000	738.090	.818	0.126	0	0	0	100.000
9.000	1040.000	738.110	.015	2.072	0	0	0	100.000
9.000	390.000	735.472	0	1.520	0	0	0	90.000
9.000	680.000	737.280	1.808	.009	0	0	0	90.000
9.000	800.000	738.102	.822	.007	0	0	0	90.000
9.000	1040.000	738.122	.020	.012	0	0	0	90.000
12.000	390.000	735.477	0	.005	0	0	0	210.000
12.000	680.000	737.300	1.823	.020	0	0	0	210.000
12.000	800.000	738.118	.841	.017	0	0	0	210.000
12.000	1040.000	738.149	.031	.028	0	0	0	210.000
15.000	390.000	734.295	0	.817	0	0	0	300.000
15.000	680.000	737.020	1.225	.224	0	0	0	300.000
15.000	800.000	738.250	.724	.131	0	0	0	300.000
15.000	1040.000	738.360	.110	.210	0	0	0	300.000
17.500	390.000	738.200	0	1.905	0	0	0	250.000
17.500	680.000	738.612	.412	1.088	0	0	0	250.000
17.500	800.000	738.861	.249	.611	0	0	0	250.000

17,500

1040,000

739,098

.237

.739

0

0

0

250,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	4.332	0
2	0	0	5.528	1.196
3	0	0	5.795	1.462
4	0	0	6.298	1.966

HEC2 VERSION UPDATED JAN 1976
 ERROR CORRECTIONS 01,02,33,04,05,06,07,08,09
 MODIFICATIONS 52,53,54, 55,56,57,58

11 GASTONIA NORTH CAROLINA

12 FLOOD INSURANCE STUDY

13 TRIBUTARY L-9-2,100 YEAR Q

CATOE

J1 ICHECK

INO

NINV

IDIR

STRT

METRIC

MVINS

Q

WSEL

EQ

=0

4.

=0

=0

=0

=0

=0

=0

728.400

=0

3,000

=0

=0

=0

=0

=0

=0

=0

=0

=0

J2 NPROF

IPLDT

PRYS

XSECV

XSECH

FN

ALLOC

IR*

CHNIM

ITRACE

Catoe
Plot

PROFILE PLOTTED 5-4-76
by S.P. FLETCHER

L-9-2

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 NORTH CAROLINA
T2 FLOOD INSURANCE STUDY
T3 TRIBUTARY L-9-2, 10 YEAR D

CATOE

J1	TCHECK	IND	NINV	IDIR	STRT	METRIC	WVINS	D	WSEL	FG
	-0	2.	-0	-0	-0	-0	-0	-0	727,400	-0
J2	NPRDF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRN	CHNIM	TTRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	2,000	3,000	4,000	27,000	28,000	26,000	-0	-0	-0
NC	.050	.050	.040	.100	.300	-0	-0	-0	-0	-0
QT	5,000	390,000	680,000	800,000	800,000	1040,000	-0	-0	-0	-0
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0
X1	2,500	12,000	247,000	253,000	-0	-0	-0	-0	-4,600	-0
X3	10,000	-0	-0	-0	-0	-0	-0	727,700	727,100	-0
GR	735,900	150,000	729,500	244,000	728,100	247,000	725,500	248,000	725,100	250,000

758.7
LTH 3000' " 723.0
35-7

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB L-9-1-1, 500 YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF 10' CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPIWS	EC	TOPWID	10K*8	TIME	VOL
0	-0	0	0	723.00	360.00	730.30	0	730.30	120.59	1.61	0	0
0	-0	0	0	723.00	640.00	731.40	0	731.40	143.23	2.10	0	0
0	-0	0	0	723.00	760.00	731.70	0	731.70	140.41	2.40	0	0
0	-0	0	0	723.00	980.00	732.50	0	732.50	165.88	2.40	0	0
2.00	200.00	0	0	723.00	360.00	730.24	0	730.45	14.00	12.56	.01	1.07
2.00	200.00	0	0	723.00	640.00	731.16	0	731.60	10.00	27.63	.01	1.43
2.00	200.00	0	0	723.00	760.00	731.36	0	732.04	14.00	36.28	.01	1.54
2.00	200.00	0	0	723.00	980.00	731.94	0	732.96	10.00	49.28	.01	1.85
5.00	300.00	732.50	727.00	728.50	360.00	732.54	0	732.60	50.04	12.63	.05	1.90
5.00	300.00	732.50	727.00	728.50	640.00	733.04	0	733.24	55.33	23.26	.03	2.40
5.00	300.00	732.50	727.00	728.50	760.00	733.15	0	733.44	55.62	29.20	.03	2.54
5.00	300.00	732.50	727.00	728.50	980.00	733.32	0	733.74	56.05	41.64	.02	2.91
6.00	100.00	0	0	730.00	360.00	732.61	0	733.03	50.48	129.20	.05	2.14
6.00	100.00	0	0	730.00	640.00	733.20	0	733.80	52.50	127.00	.04	2.71
6.00	100.00	0	0	730.00	760.00	733.37	0	734.13	53.07	136.96	.03	2.87
6.00	100.00	0	0	730.00	980.00	733.64	0	734.63	54.01	152.33	.03	3.26
9.00	300.00	0	0	734.60	360.00	737.05	736.93	737.58	47.18	177.97	.07	2.59
9.00	300.00	0	0	734.60	640.00	737.60	737.54	738.30	51.82	180.29	.05	3.34
9.00	300.00	0	0	734.60	760.00	737.83	737.74	738.70	52.63	167.96	.04	3.59
9.00	300.00	0	0	734.60	980.00	738.23	0	739.22	53.99	153.73	.04	4.11
13.00	400.00	0	0	740.80	360.00	743.38	0	743.82	50.40	137.22	.09	3.19
13.00	400.00	0	0	740.80	640.00	743.96	0	744.63	52.37	135.58	.06	4.22
13.00	400.00	0	0	740.80	760.00	744.14	0	744.92	52.95	144.23	.06	4.55
13.00	400.00	0	0	740.80	980.00	744.43	0	745.43	53.04	156.50	.05	5.24
16.00	300.00	0	0	745.20	360.00	747.54	0	748.38	23.93	140.34	.10	3.59
16.00	300.00	0	0	745.20	640.00	748.33	748.33	749.68	25.85	194.35	.07	4.80
16.00	300.00	0	0	745.20	760.00	748.68	748.68	750.16	26.74	189.68	.07	5.19
16.00	300.00	0	0	745.20	980.00	749.28	749.28	750.96	28.22	182.70	.06	5.90
20.00	400.00	0	0	747.30	360.00	750.80	0	751.20	27.00	38.40	.13	4.10
20.00	400.00	0	0	747.30	640.00	752.28	0	752.71	30.50	38.34	.09	5.67
20.00	400.00	0	0	747.30	760.00	752.75	0	753.24	31.66	39.43	.09	6.17
20.00	400.00	0	0	747.30	980.00	753.50	0	754.09	33.55	41.01	.08	7.15
25.00	500.00	0	0	750.00	360.00	753.17	0	753.58	25.94	59.11	.15	5.05
25.00	500.00	0	0	750.00	640.00	754.48	0	755.05	20.23	55.91	.12	6.97
25.00	500.00	0	0	750.00	760.00	754.96	0	755.58	30.04	54.80	.11	7.63
25.00	500.00	0	0	750.00	980.00	755.76	0	756.46	32.43	53.82	.10	8.91
30.00	500.00	0	0	752.50	360.00	756.61	0	757.08	41.43	83.27	.18	5.88
30.00	500.00	0	0	752.50	640.00	757.65	0	758.18	48.66	70.60	.14	8.27
30.00	500.00	0	0	752.50	760.00	758.04	0	758.50	51.41	45.86	.13	9.13
30.00	500.00	0	0	752.50	980.00	758.71	0	759.20	56.09	58.68	.12	10.75

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWID	T.W. DIFF	LENGTH
0	360.000	730.300	0	0	0	120.586	0	-0
0	640.000	731.400	1.100	0	0	143.231	-22.645	-0

0	760.000	731.700	.300	0	0	149.407	-24.821	-0
0	980.000	732.500	.800	0	0	165.876	-45.290	-0
2.000	360.000	730.235	0	-.065	0	14.000	0	200.000
2.000	640.000	731.150	.920	-.241	0	14.000	0	200.000
2.000	760.000	731.356	.197	-.340	0	14.000	0	200.000
2.000	980.000	731.945	.589	-.555	0	14.000	0	200.000
5.000	360.000	732.540	0	2.305	0	54.045	0	300.000
5.000	640.000	733.040	.500	1.881	0	55.326	-1.281	300.000
5.000	760.000	733.155	.114	1.799	0	55.622	-1.577	300.000
5.000	980.000	733.315	.161	1.370	0	56.047	-2.003	300.000
6.000	360.000	732.608	0	.068	0	50.481	0	100.000
6.000	640.000	733.200	.592	.160	0	52.497	-2.017	100.000
6.000	760.000	733.367	.167	.213	0	53.068	-2.587	100.000
6.000	980.000	733.643	.276	.328	0	54.008	-3.527	100.000
9.000	360.000	737.040	0	4.441	0	47.181	0	300.000
9.000	640.000	737.598	.549	4.397	0	51.820	-4.630	300.000
9.000	760.000	737.833	.235	4.465	0	52.631	-5.450	300.000
9.000	980.000	738.230	.397	4.587	0	53.985	-6.805	300.000
13.000	360.000	743.384	0	6.335	0	50.395	0	400.000
13.000	640.000	743.963	.570	6.365	0	52.367	-1.971	400.000
13.000	760.000	744.136	.173	6.303	0	52.954	-2.559	400.000
13.000	980.000	744.428	.292	6.198	0	53.940	-3.545	400.000
16.000	360.000	747.558	0	4.175	0	23.931	0	300.000
16.000	640.000	748.332	.770	4.360	0	25.851	-1.920	300.000
16.000	760.000	748.685	.353	4.549	0	26.735	-2.804	300.000
16.000	980.000	749.277	.592	4.849	0	28.220	-4.288	300.000
20.000	360.000	750.888	0	3.330	0	26.990	0	400.000
20.000	640.000	752.279	1.391	3.947	0	30.497	-3.498	400.000
20.000	760.000	752.745	.466	4.061	0	31.656	-4.657	400.000
20.000	980.000	753.505	.750	4.228	0	33.555	-6.556	400.000
25.000	360.000	753.168	0	2.280	0	25.942	0	500.000
25.000	640.000	754.481	1.313	2.202	0	29.230	-3.292	500.000
25.000	760.000	754.964	.483	2.210	0	30.445	-4.503	500.000
25.000	980.000	755.755	.791	2.250	0	32.427	-6.485	500.000
30.000	360.000	756.606	0	3.438	0	41.427	0	500.000
30.000	640.000	757.640	1.043	3.168	0	48.656	-7.229	500.000
30.000	760.000	758.042	.393	3.078	0	51.410	-2.982	500.000
30.000	980.000	758.714	.672	2.950	0	56.080	-10.662	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	2.828	0
2	0	0	2.870	.251
3	0	0	2.957	.320
4	0	0	3.101	.473

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-9-1 50 YP. Q

J1	TCHECK	INQ	NINV	TDIR	STPT	METRIC	HVINS	Q	WSEL	FQ
	-0	3.	-0	-0	-0	-0	-0	-0	497.600	-0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62

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

L-9-1

Plot
 adjust last
 section
 manually
 + take out
 bridge info
 at 71.00

PROFILE PLOTTED
 5-6-76 BY
 S. P. FLETCHER

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-9-1, 10 YEAR Q

CATOF

J1	TCHECK	YNG	NINV	TDIR	STRT	METRIC	WVINS	D	WSEL	FD
	-0	2.	-0	-0	-0	-0	-0	-0	696,200	-0
J2	NPROF	TPLDT	PREVS	YSECV	YSECH	FN	ALLOC	IRW	CHNTM	TRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
J3	1,000	2,000	3,000	4,000	27,000	24,000	26,000		-0	-0
NC	.050	.080	.060	.100	.300				-0	-0
OT	5,000	650,000	1150,000	1350,000	1350,000	1750,000			-0	-0
ET	-0	-0		-0	-0	10,400			-0	-0
X1	11,500	15,000	436,000	462,000					-0	-0
GR	715,000	0	705,500	200,000	702,000	215,000	701,400	250,000	701,000	300,000
GR	702,400	350,000	701,900	400,000	702,100	436,000	695,700	845,000	695,700	850,000
GR	696,000	455,000	701,700	460,000	702,000	500,000	712,400	520,000	714,600	550,000
X1	15,000	-0	-0	-0	350,000	350,000	350,000		-0	2,000
X1	19,000	-0	-0	-0	400,000	400,000	400,000		-0	2,300
X1	25,000	12,000	230,000	270,000	600,000	600,000	600,000		-0	.600
GR	725,000	0	716,500	100,000	712,900	150,000	702,000	200,000	709,000	230,000
GR	702,800	245,000	702,800	255,000	710,400	270,000	710,500	300,000	710,500	350,000
GR	711,400	400,000	723,500	450,000		-1		-0	-0	-0
X1	26,000	-0	-0	-0	100,000	100,000	100,000		-0	.600
X3	10,000	-0	-0	-0	-0	-0	-0	721,000	721,000	-0
SB	1,250	1,500	2,500	200,000	15,000	1,000	98,000		-0	-0
X1	28,500	12,000	90,000	110,000	250,000	250,000	250,000		-0	-0
X2	-0	-0	1,000	711,600	723,500		-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	721,000	721,000	-0
GR	719,000	0	714,800	50,000	713,400	90,000	705,400	92,000	705,700	107,000
GR	707,500	110,000	710,200	150,000	711,000	200,000	711,200	250,000	712,600	300,000
GR	715,500	350,000	717,800	400,000		-0		-0	-0	-0
X1	29,500	-0	-0	-0	100,000	100,000	100,000		-0	.200
OT	5,000	630,000	1100,000	1270,000	1270,000	1710,000			-0	-0
X1	32,000	-0	-0	-0	250,000	250,000	250,000		-0	.600
X1	36,000	11,000	235,000	252,000	400,000	400,000	400,000		-0	.700
GR	725,000	0	717,200	100,000	715,800	150,000	715,400	200,000	714,400	235,000
GR	706,500	240,000	702,400	250,000	702,000	255,000	715,400	252,000	717,700	320,000
GR	724,500	350,000	-0	-0	-0	-0	-0	-0	-0	-0
			-0	-0	200,000	200,000	200,000		-0	.500

X1	39,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	719,500	719,500	-0
SB	1,250	1,500	2,500	0	17,500	3,000	82,600	0	-0	-0
X1	40,000	23,000	241,400	258,800	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	717,200	719,200	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	719,500	719,500	-0
BT	18,000	0	725,000	0	50,000	721,400	0	150,000	719,500	0
BT	200,000	719,000	0	241,400	719,200	713,400	243,000	719,200	716,800	245,000
BT	719,200	717,000	247,000	719,200	716,800	288,600	719,200	713,400	251,600	719,200
BT	713,200	253,000	719,200	716,400	255,200	719,200	716,800	257,200	719,200	716,400
BT	258,800	719,200	713,200	300,000	720,200	0	350,000	721,600	0	400,000
BT	724,100	0	550,000	725,000	0	-0	-0	-0	-0	-0
GR	725,000	0	721,300	50,000	719,600	100,000	718,600	150,000	717,500	200,000
GR	716,800	210,000	714,000	212,000	713,400	241,400	710,000	243,000	709,800	245,000
GR	710,000	247,000	713,400	248,600	713,200	251,600	710,000	253,000	709,400	255,200
GR	710,000	257,200	713,200	258,800	714,500	260,000	717,000	300,000	717,700	350,000
GR	718,200	400,000	718,400	450,000	725,000	550,000	-0	-0	-0	-0
X1	41,000	-0	-0	-0	100,000	100,000	100,000	-0	-0	-0
X1	46,000	-0	-0	-0	500,000	500,000	500,000	-0	-0	-0
X1	51,000	9,000	142,000	155,000	500,000	500,000	500,000	-0	-0	-0
GR	737,900	0	732,600	50,000	729,300	100,000	724,900	142,000	724,100	143,000
GR	723,400	154,000	725,500	155,000	729,300	200,000	738,500	250,000	-0	-0
QT	5,000	540,000	950,000	1110,000	1110,000	1440,000	-0	-0	-0	-0
X1	57,000	11,000	140,000	160,000	600,000	600,000	600,000	-0	-0	-0
GR	741,500	0	740,000	50,000	736,500	100,000	734,100	120,000	731,500	125,000
GR	729,500	140,000	726,000	142,000	726,000	152,000	731,600	160,000	730,500	200,000
GR	765,000	250,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	62,000	10,000	145,000	155,000	500,000	500,000	500,000	-0	-0	-0
GR	747,600	0	741,000	50,000	736,300	100,000	736,300	145,000	732,000	146,000
GR	730,500	150,000	733,000	153,000	736,500	155,000	737,400	200,000	746,000	250,000
X1	66,000	0	0	0	400,000	400,000	400,000	-0	2,500	-0
X1	70,000	8,000	240,000	270,000	400,000	400,000	400,000	-0	-0	-0
GR	755,000	0	748,800	200,000	744,000	240,000	742,000	245,000	742,000	255,000
GR	746,500	270,000	748,500	300,000	750,200	345,000	-0	-0	-0	-0
X1	71,000	0	0	0	100,000	100,000	100,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	750,000	750,000	-0
BT	0	350,000	756,400	0	-0	-0	-0	-0	-0	-0
SB	0	1,500	2,500	0	4,000	0	28,000	0	742,800	744,100
X1	72,000	13,000	247,000	253,000	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	750,100	752,200	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	752,200	752,200	-0
BT	0,000	0	755,000	0	100,000	751,800	0	150,000	751,300	0
BT	200,000	751,300	0	247,000	752,200	747,100	248,000	752,500	749,400	250,000
BT	752,500	749,900	252,000	752,200	748,400	253,000	752,200	747,100	300,000	754,000
GR	758,000	0	758,000	100,000	752,500	150,000	750,500	200,000	748,500	244,000
GR	747,100	247,000	740,700	248,000	744,100	250,000	744,700	252,000	747,100	253,000
GR	749,000	262,000	751,500	300,000	763,200	350,000	-0	-0	-0	-0
X1	72,500	0	0	0	50,000	50,000	50,000	-0	-0	-0
QT	5,000	470,000	830,000	970,000	970,000	1250,000	-0	-0	-0	-0
X1	77,000	0	0	0	450,000	450,000	450,000	-0	4,500	-0
X1	81,500	11,000	90,000	110,000	450,000	450,000	450,000	-0	-0	-0
GR	772,500	0	765,900	50,000	762,200	70,000	762,400	90,000	757,500	96,000

	757,500	100,000	758,500	102,000	762,400	110,000	773,100	141,000	765,700	150,000
GR	756,800	200,000	=0	=0	=0	=0	=0	=0	=0	=0
XI	88,000	0	0	0	450,000	450,000	450,000	=0	3,500	=0
XI	90,000	11,000	75,000	106,000	400,000	400,000	400,000	=0	=0	=0
GR	779,500	0	779,500	50,000	769,500	75,000	768,600	92,000	764,300	95,000
GR	764,300	105,000	669,500	106,000	770,000	120,000	779,100	132,000	779,900	150,000
GR	780,000	200,000	=0	=0	=0	=0	=0	=0	=0	=0
EJ	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0

Handwritten circled number 1

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L=0,500 YEAR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWTD	10K*8	TIME	VOL
7.70		=0	0	0	677.50	750.00	683.90	0	683.90	113.35	56.72	0
7.70		=0	0	0	677.50	1400.00	687.20	0	687.20	144.59	15.84	0
7.70		=0	0	0	677.50	1750.00	689.10	0	689.15	161.70	9.42	0
7.70		=0	0	0	677.50	2800.00	693.20	0	693.20	188.52	5.03	0
16.30	860.00		0	0	679.10	750.00	685.65	0	685.69	250.63	9.89	.15
16.30	860.00		0	0	679.10	1400.00	687.90	0	687.98	302.96	5.12	.18
16.30	860.00		0	0	679.10	1750.00	689.55	0	689.57	320.05	3.04	.21
16.30	860.00		0	0	679.10	2800.00	693.40	0	693.48	360.00	1.48	.25
16.80	50.00		0	0	679.10	750.00	685.50	0	685.87	31.00	44.10	.16
16.80	50.00		0	0	679.10	1400.00	687.97	0	688.00	303.41	4.97	.19
16.80	50.00		0	0	679.10	1750.00	689.57	0	689.59	320.68	3.02	.23
16.80	50.00		0	0	679.10	2800.00	693.45	0	693.48	360.00	1.47	.26
17.50	70.00	686.20	684.40	679.30	750.00	686.87	0	686.88	337.35	3.43	.18	10.77
17.50	70.00	686.20	684.40	679.30	1400.00	688.27	0	688.29	357.93	3.90	.21	23.62
17.50	70.00	686.20	684.40	679.30	1750.00	689.71	0	689.72	377.67	2.51	.25	32.88
17.50	70.00	686.20	684.40	679.30	2800.00	693.54	0	693.58	450.00	1.18	.29	57.89
18.00	50.00		0	0	679.30	750.00	686.88	0	686.90	337.50	3.40	.20
18.00	50.00		0	0	679.30	1400.00	688.29	0	688.31	358.26	3.85	.23
18.00	50.00		0	0	679.30	1750.00	689.72	0	689.73	377.77	2.40	.26
18.00	50.00		0	0	679.30	2800.00	693.57	0	693.58	450.00	1.18	.30
24.50	650.00		0	0	681.30	750.00	687.28	0	687.50	90.26	79.04	.24
24.50	650.00		0	0	681.30	1400.00	688.73	0	689.08	103.94	79.58	.27
24.50	650.00		0	0	681.30	1750.00	689.98	0	690.20	122.11	52.60	.31
24.50	650.00		0	0	681.30	2800.00	693.70	0	693.78	300.02	11.20	.39
25.00	50.00		0	0	681.30	750.00	687.47	0	688.28	23.50	145.64	.24
25.00	50.00		0	0	681.30	1400.00	688.32	0	690.25	23.13	308.73	.27
25.00	50.00		0	0	681.30	1750.00	689.17	0	691.35	28.74	311.00	.31
25.00	50.00		0	0	681.30	2800.00	692.43	0	694.53	20.00	186.20	.39
26.00	100.00	696.00	694.00	681.90	750.00	687.66	0	688.28	82.39	129.20	.25	21.84
26.00	100.00	696.00	694.00	681.90	1400.00	689.09	0	690.25	82.13	40.02	.27	40.21
26.00	100.00	696.00	694.00	681.90	1750.00	689.99	0	691.35	90.30	58.07	.31	55.28
26.00	100.00	696.00	694.00	681.90	2800.00	692.90	0	694.53	97.33	26.74	.40	102.90
27.00	100.00		0	0	681.90	750.00	688.68	0	688.75	143.78	23.92	.26
27.00	100.00		0	0	681.90	1400.00	690.40	0	690.58	192.57	15.36	.29
27.00	100.00		0	0	681.90	1750.00	691.52	0	691.60	207.85	11.61	.33
27.00	100.00		0	0	681.90	2800.00	694.60	0	694.68	370.82	5.68	.41
32.00	500.00		0	0	683.40	750.00	689.90	0	690.08	142.36	29.50	.32
32.00	500.00		0	0	683.40	1400.00	691.42	0	691.58	167.29	24.10	.34
32.00	500.00		0	0	683.40	1750.00	692.24	0	692.35	194.32	19.88	.38
32.00	500.00		0	0	683.40	2800.00	694.90	0	695.00	245.34	10.01	.47

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX FL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CPWS	EA	TOPWID	LOK*9	TIME	VOL
37.00	500.00		0	685.10	750.00	692.00	0	692.42	120.67	75.62	.35	29.64
37.00	500.00		0	685.10	1400.00	693.17	0	693.64	192.05	77.90	.36	53.66
37.00	500.00		0	685.10	1750.00	693.71	0	694.15	240.30	71.25	.41	72.64
37.00	500.00		0	685.10	2800.00	695.68	0	695.84	457.16	28.93	.52	137.21
40.00	300.00		0	686.20	750.00	693.77	0	693.90	160.16	37.32	.37	31.32
40.00	300.00		0	686.20	1400.00	695.01	0	695.24	298.25	37.90	.39	56.85
40.00	300.00		0	686.20	1750.00	695.46	0	695.70	345.06	38.02	.43	76.76
40.00	300.00		0	686.20	2800.00	696.50	0	696.80	447.51	33.92	.54	145.40
42.00	200.00		0	687.20	750.00	694.60	0	695.08	26.00	73.50	.38	32.30
42.00	200.00		0	687.20	1400.00	695.68	0	696.83	24.00	141.02	.39	58.48
42.00	200.00		0	687.20	1750.00	695.94	0	697.50	24.00	195.70	.44	78.75
42.00	200.00		0	687.20	2800.00	696.50	696.50	700.10	24.00	385.53	.54	148.54
44.00	200.00	702.00	695.00	687.20	750.00	694.81	0	695.08	31.00	17.88	.40	33.15
44.00	200.00	702.00	695.00	687.20	1400.00	696.45	0	696.83	31.00	34.14	.41	59.51
44.00	200.00	702.00	695.00	687.20	1750.00	697.34	0	697.82	31.00	40.21	.45	79.86
44.00	200.00	702.00	695.00	687.20	2800.00	699.50	0	700.42	31.00	56.12	.55	149.88
45.00	100.00		0	687.90	750.00	695.16	0	695.21	280.09	8.17	.41	34.17
45.00	100.00		0	687.90	1400.00	696.95	0	696.90	356.68	6.37	.43	61.25
45.00	100.00		0	687.90	1750.00	697.95	0	697.98	390.72	5.05	.47	82.06
45.00	100.00		0	687.90	2800.00	700.55	0	700.58	493.42	3.11	.58	153.40
50.00	500.00		0	689.60	750.00	695.76	0	695.90	248.61	25.21	.46	39.96
50.00	500.00		0	689.60	1400.00	697.40	0	697.50	300.23	17.40	.49	72.98
50.00	500.00		0	689.60	1750.00	698.30	0	698.38	343.32	12.90	.54	97.62
50.00	500.00		0	689.60	2800.00	700.76	0	700.81	437.14	6.70	.66	181.20
57.00	700.00		0	692.10	880.00	698.52	0	699.08	24.15	102.42	.49	43.73
57.00	700.00		0	692.10	1200.00	699.28	0	700.53	28.07	203.84	.51	80.59
57.00	700.00		0	692.10	1400.00	699.30	0	700.98	20.15	272.35	.56	107.59
57.00	700.00		0	692.10	2000.00	701.10	701.10	702.07	220.66	122.11	.69	201.12
62.00	500.00		0	693.80	880.00	701.83	0	702.10	168.21	39.26	.53	45.46
62.00	500.00		0	693.80	1200.00	703.38	0	703.57	245.97	27.44	.55	84.40
62.00	500.00		0	693.80	1400.00	703.84	0	704.02	255.19	24.35	.60	112.07
62.00	500.00		0	693.80	2000.00	704.51	0	704.72	265.23	28.30	.73	208.18
65.00	300.00		0	695.40	880.00	703.10	0	703.48	64.36	48.58	.55	46.63
65.00	300.00		0	695.40	1200.00	704.35	0	704.71	225.10	50.34	.57	87.53
65.00	300.00		0	695.40	1400.00	704.72	0	705.07	237.36	47.75	.62	115.90
65.00	300.00		0	695.40	2000.00	705.50	0	705.80	256.00	47.30	.75	213.28
69.80	480.00		0	697.90	880.00	705.64	0	706.00	31.83	58.97	.57	48.34
69.80	480.00		0	697.90	1200.00	707.88	0	708.31	194.88	46.62	.61	97.30
69.80	480.00		0	697.90	1400.00	708.30	0	708.78	213.80	43.74	.67	129.03
69.80	480.00		0	697.90	2000.00	709.53	0	709.85	258.08	36.33	.82	234.45

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWTD	10KFS	TIME	VOL
72.80	300.00		0	699.50	680.00	707.37	0	707.70	33.19	54.80	.59	49.30
72.80	300.00		0	699.50	1200.00	709.38	0	709.85	193.26	53.03	.62	99.46
72.80	300.00		0	699.50	1400.00	709.77	0	710.20	204.25	52.65	.68	131.82
72.80	300.00		0	699.50	2000.00	710.72	0	711.14	237.70	50.17	.84	238.88
75.80	300.00		0	702.90	680.00	709.49	0	710.13	23.15	115.18	.60	50.15
75.80	300.00		0	702.90	1200.00	711.37	0	712.30	30.65	122.65	.63	101.07
75.80	300.00		0	702.90	1400.00	711.74	0	712.84	43.61	137.13	.69	133.75
75.80	300.00		0	702.90	2000.00	712.51	711.34	714.08	184.57	179.98	.84	241.79
80.00	420.00		0	707.40	680.00	713.12	0	713.24	304.01	50.21	.65	52.50
80.00	420.00		0	707.40	1200.00	714.32	0	714.30	323.21	25.18	.70	105.51
80.00	420.00		0	707.40	1400.00	714.73	0	714.70	320.05	21.49	.76	138.90
80.00	420.00		0	707.40	2000.00	715.78	0	715.84	344.29	16.14	.91	249.03
83.00	300.00		0	710.80	540.00	715.63	715.63	716.12	157.44	198.12	.67	54.32
83.00	300.00		0	710.80	950.00	716.11	714.11	716.64	298.92	231.47	.71	109.00
83.00	300.00		0	710.80	1110.00	716.30	716.30	716.80	302.26	208.73	.77	143.05
83.00	300.00		0	710.80	1440.00	716.45	716.45	717.07	304.78	261.27	.92	254.56
86.00	300.00		0	713.20	540.00	718.70	0	718.32	302.14	50.13	.70	55.80
86.00	300.00		0	713.20	950.00	719.33	0	719.44	311.75	48.51	.75	111.62
86.00	300.00		0	713.20	1110.00	719.48	0	719.61	313.97	51.91	.81	146.04
86.00	300.00		0	713.20	1440.00	719.88	0	720.01	319.68	49.57	.96	258.14
89.50	350.00		0	716.20	540.00	720.53	0	720.50	227.97	50.62	.75	58.47
89.50	350.00		0	716.20	950.00	721.13	0	721.21	234.12	52.20	.79	115.52
89.50	350.00		0	716.20	1110.00	721.33	0	721.43	234.31	51.69	.85	150.34
89.50	350.00		0	716.20	1440.00	721.70	0	721.81	240.02	53.63	.99	263.29
92.00	250.00		0	718.20	540.00	722.25	0	722.34	224.07	101.58	.78	60.16
92.00	250.00		0	718.20	950.00	722.80	0	722.92	230.72	91.80	.82	117.98
92.00	250.00		0	718.20	1110.00	722.98	0	723.11	232.65	89.93	.87	153.07
92.00	250.00		0	718.20	1440.00	723.35	0	723.50	234.39	86.04	1.02	266.50
92.50	50.00		0	718.60	540.00	722.77	0	723.35	54.00	359.30	.79	60.34
92.50	50.00		0	718.60	950.00	723.24	723.26	724.32	54.00	465.92	.82	118.27
92.50	50.00		0	718.60	1110.00	723.44	723.46	724.68	54.00	468.94	.87	153.30
92.50	50.00		0	718.60	1440.00	723.90	723.90	725.35	54.00	441.01	1.02	266.88
93.50	100.00	728.00	725.40	719.60	540.00	724.38	0	724.74	28.00	73.55	.79	60.59
93.50	100.00	728.00	725.40	719.60	950.00	726.74	0	727.44	28.00	217.62	.82	118.56
93.50	100.00	728.00	725.40	719.60	1110.00	727.38	0	728.27	28.00	279.01	.88	153.70
93.50	100.00	728.00	725.40	719.60	1440.00	728.67	724.84	729.20	320.80	325.34	1.02	247.41
95.00	50.00		0	720.50	540.00	724.89	0	724.92	237.13	12.14	.80	60.94
95.00	50.00		0	720.50	950.00	727.54	0	727.55	282.12	3.05	.84	119.34
95.00	50.00		0	720.50	1110.00	728.38	0	728.30	294.45	2.42	.89	154.61
95.00	50.00		0	720.50	1440.00	729.28	0	729.30	321.69	2.41	1.04	268.57

SECTION NUMBER	CHANNEL LENGTH	MIN EL. OF ROADWAY	MAY EL. OF LOW CHORD	MIN EL. OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EA	TOPWID	10K'S	TIME	VOL
96.50	150.00		0	720.50	540.00	724.90	0	725.40	24.00	92.75	.81	62.00
96.50	150.00		0	720.50	950.00	727.59	0	727.60	287.91	2.95	.89	123.49
96.50	150.00		0	720.50	1110.00	728.42	0	728.43	297.18	2.36	.84	159.61
96.50	150.00		0	720.50	1440.00	729.32	0	729.33	322.28	2.36	1.08	274.52
97.20	70.00	726.70	724.40	718.00	540.00	727.50	0	727.50	395.19	.30	.87	63.59
97.20	70.00	726.70	724.40	718.00	950.00	728.14	0	728.14	408.55	.80	.93	126.14
97.20	70.00	726.70	724.40	718.00	1110.00	728.65	0	728.65	423.21	.83	.96	162.65
97.20	70.00	726.70	724.40	718.00	1440.00	729.49	0	729.49	451.61	.92	1.12	278.09
97.70	50.00		0	721.20	540.00	727.50	0	727.51	287.33	5.03	.89	65.10
97.70	50.00		0	721.20	950.00	728.13	0	728.16	295.02	7.98	.94	127.94
97.70	50.00		0	721.20	1110.00	728.64	0	728.66	332.85	6.93	1.00	164.63
97.70	50.00		0	721.20	1440.00	729.46	0	729.50	365.66	6.02	1.13	280.44
100.00	230.00		0	724.60	325.00	728.53	728.53	728.84	204.33	130.69	.91	67.52
100.00	230.00		0	724.60	580.00	728.83	728.83	729.22	219.42	143.10	.96	131.04
100.00	230.00		0	724.60	680.00	728.93	728.93	729.34	221.04	197.16	1.01	168.20
100.00	230.00		0	724.60	880.00	729.66	0	729.81	272.59	76.75	1.16	285.25
106.00	600.00		0	731.40	325.00	733.56	0	733.63	134.00	53.40	.99	69.72
106.00	600.00		0	731.40	580.00	734.19	0	734.29	141.50	48.14	1.02	134.29
106.00	600.00		0	731.40	680.00	734.39	0	734.51	143.92	47.70	1.07	171.80
106.00	600.00		0	731.40	880.00	734.37	733.51	734.58	143.73	81.68	1.20	290.05
112.00	600.00		0	738.60	325.00	740.14	740.08	740.43	124.42	348.52	1.02	71.40
112.00	600.00		0	738.60	580.00	740.41	740.41	740.88	129.98	427.73	1.05	136.85
112.00	600.00		0	738.60	680.00	740.53	740.52	741.04	131.31	422.60	1.10	174.67
112.00	600.00		0	738.60	880.00	741.14	740.72	741.47	134.63	170.61	1.24	293.47
118.00	600.00		0	747.00	325.00	749.01	0	749.11	132.31	76.50	1.09	73.03
118.00	600.00		0	747.00	580.00	749.55	0	749.60	138.72	73.00	1.11	139.20
118.00	600.00		0	747.00	680.00	749.72	0	749.88	140.75	73.72	1.16	177.28
118.00	600.00		0	747.00	880.00	749.74	0	750.00	140.94	120.08	1.28	296.67
122.00	400.00		0	752.60	325.00	756.37	756.37	757.64	19.24	378.64	1.10	73.89
122.00	400.00		0	752.60	580.00	757.74	757.74	759.27	28.25	310.99	1.12	140.54
122.00	400.00		0	752.60	680.00	758.16	758.16	759.76	30.99	300.27	1.17	178.78
122.00	400.00		0	752.60	880.00	758.88	758.88	760.61	35.69	287.74	1.29	298.19
127.50	550.00		0	760.30	325.00	765.64	0	766.08	20.48	80.97	1.14	74.64
127.50	550.00		0	760.30	580.00	767.06	0	767.63	38.86	88.20	1.15	141.79
127.50	550.00		0	760.30	680.00	767.50	0	768.12	41.77	89.77	1.19	180.23
127.50	550.00		0	760.30	880.00	768.28	0	768.97	44.87	91.94	1.32	300.11

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.A. DIFF	LENGTH
7.700	750.000	683.900	0	0	0	113.346	0	0
7.700	1400.000	687.200	3.300	0	0	146.587	-33.241	0
7.700	1750.000	689.100	1.900	0	0	161.702	-28.357	0
7.700	2800.000	693.200	4.100	0	0	188.520	-75.179	0
16.300	750.000	685.646	0	1.746	0	259.628	0	860.000
16.300	1400.000	687.444	2.298	.744	0	302.950	-43.331	860.000
16.300	1750.000	689.552	1.608	.452	0	324.840	-64.421	860.000
16.300	2800.000	693.440	3.888	.240	0	369.001	-109.373	860.000
16.800	750.000	685.543	0	-.103	0	31.000	0	50.000
16.800	1400.000	687.970	2.427	.026	0	303.409	-272.407	50.000
16.800	1750.000	689.567	1.597	.015	0	324.685	-293.685	50.000

16,500	2800,000	693,247	3,850	.007	0	360,001	-434,001	50,000
17,500	750,000	686,867	0	1,324	0	337,344	0	70,000
17,500	1400,000	688,268	1,401	.298	0	357,928	-20,580	70,000
17,500	1750,000	689,706	1,438	.130	0	377,666	-40,318	70,000
17,500	2800,000	693,564	3,857	.117	0	450,000	-112,652	70,000
18,000	750,000	686,884	0	.017	0	337,498	0	50,000
18,000	1400,000	688,288	1,403	.020	0	358,255	-20,757	50,000
18,000	1750,000	689,714	1,431	.013	0	377,764	-40,268	50,000
18,000	2800,000	693,570	3,851	.004	0	450,000	-112,502	50,000
24,500	750,000	687,283	0	.390	0	90,274	0	450,000
24,500	1400,000	688,729	1,446	.441	0	103,934	-13,661	450,000
24,500	1750,000	689,980	1,255	.265	0	122,114	-31,839	450,000
24,500	2800,000	693,690	3,710	.129	0	340,010	-253,744	450,000
25,000	750,000	687,468	0	.180	0	23,502	0	50,000
25,000	1400,000	688,320	.857	-.404	0	25,132	-1,630	50,000
25,000	1750,000	689,167	.843	-.817	0	26,740	-3,238	50,000
25,000	2800,000	692,427	3,259	-1,272	0	29,000	-5,498	50,000
26,000	750,000	687,663	0	.195	0	82,394	0	100,000
26,000	1400,000	689,093	1,431	.769	0	88,120	-5,737	100,000
26,000	1750,000	689,989	.895	.821	0	90,294	-7,903	100,000
26,000	2800,000	692,895	2,907	.460	0	97,328	-14,935	100,000
27,000	750,000	688,674	0	1,013	0	143,782	0	100,000
27,000	1400,000	690,489	1,810	1,394	0	192,568	-48,786	100,000
27,000	1750,000	691,517	1,028	1,528	0	207,945	+64,163	100,000
27,000	2800,000	694,595	3,078	1,700	0	370,823	-227,041	100,000
32,000	750,000	689,990	0	1,318	0	142,361	0	500,000
32,000	1400,000	691,418	1,425	.929	0	167,288	-24,927	500,000
32,000	1750,000	692,237	.818	.720	0	196,314	-53,955	500,000
32,000	2800,000	694,943	2,704	.347	0	245,340	-102,978	500,000
37,000	750,000	692,003	0	2,000	0	120,660	0	500,000
37,000	1400,000	693,168	1,165	1,740	0	192,050	-62,380	500,000
37,000	1750,000	693,714	.547	1,477	0	240,294	-110,627	500,000
37,000	2800,000	695,678	1,052	.733	0	457,160	-327,491	500,000
40,000	750,000	693,767	0	1,760	0	160,165	0	300,000
40,000	1400,000	695,004	1,230	1,838	0	295,247	-135,082	300,000
40,000	1750,000	695,461	.455	1,747	0	345,063	-184,898	300,000
40,000	2800,000	694,593	1,132	.917	0	447,512	-287,348	300,000
42,000	750,000	694,601	0	.833	0	26,000	0	200,000
42,000	1400,000	695,681	1,081	.675	0	26,000	0	200,000
42,000	1750,000	695,927	.244	.466	0	26,000	0	200,000
42,000	2800,000	696,503	.575	-.090	0	26,000	0	200,000
44,000	750,000	694,810	0	.200	0	31,000	0	200,000
44,000	1400,000	696,448	1,638	.767	0	31,000	0	200,000
44,000	1750,000	697,343	.895	1,416	0	31,000	0	200,000
44,000	2800,000	699,592	2,240	3,090	0	31,000	0	200,000
45,000	750,000	695,163	0	.353	0	289,092	0	100,000
45,000	1400,000	696,900	1,784	.501	0	356,678	-67,586	100,000
45,000	1750,000	697,947	.998	.604	0	394,710	-105,627	100,000
45,000	2800,000	700,555	2,607	.962	0	493,415	-204,323	100,000
50,000	750,000	695,755	0	.592	0	248,611	0	500,000
50,000	1400,000	697,400	1,645	.451	0	309,224	-60,615	500,000
50,000	1750,000	698,290	.890	.352	0	343,323	-94,711	500,000
50,000	2800,000	700,760	2,461	.205	0	437,142	-188,531	500,000

57,000	680,000	698,521	0	2,765	0	26,14A	0	700,000
57,000	1200,000	699,281	.760	1,881	0	2A,06E	-1,917	700,000
57,000	1400,000	699,305	.024	1,00A	0	28,140	-2,001	700,000
57,000	2000,000	701,185	1,881	.426	0	220,660	-203,512	700,000
62,000	680,000	701,833	0	3,312	0	168,207	0	500,000
62,000	1200,000	703,376	1,543	4,095	0	245,96A	-77,75A	500,000
62,000	1400,000	703,844	.46A	4,540	0	255,193	-84,98A	500,000
62,000	2000,000	704,511	.667	3,326	0	265,225	-97,01A	500,000
65,000	680,000	703,104	0	1,271	0	66,350	0	300,000
65,000	1200,000	704,351	1,247	.970	0	225,09A	-15A,730	300,000
65,000	1400,000	704,721	.370	.876	0	237,357	-170,99A	300,000
65,000	2000,000	705,490	.77A	.98A	0	256,003	-180,643	300,000
69,800	680,000	705,630	0	2,535	0	31,835	0	480,000
69,800	1200,000	707,882	2,243	3,531	0	196,877	-165,042	480,000
69,800	1400,000	708,389	.507	3,66A	0	213,795	-181,961	480,000
69,800	2000,000	709,531	1,142	4,032	0	250,477	-21A,642	480,000
72,800	680,000	707,366	0	1,728	0	33,18A	0	300,000
72,800	1200,000	709,37A	2,012	1,496	0	193,255	-160,067	300,000
72,800	1400,000	709,770	.392	1,381	0	206,252	-173,064	300,000
72,800	2000,000	710,716	.906	1,185	0	237,69A	-204,510	300,000
75,800	680,000	709,091	0	2,120	0	23,152	0	300,000
75,800	1200,000	711,373	1,882	1,995	0	39,64A	-16,496	300,000
75,800	1400,000	711,744	.371	1,974	0	43,612	-20,460	300,000
75,800	2000,000	712,500	.765	1,793	0	184,572	-161,420	300,000
80,000	680,000	713,121	0	3,630	0	306,013	0	420,000
80,000	1200,000	714,323	1,202	2,950	0	323,207	-17,194	420,000
80,000	1400,000	714,72A	.406	2,984	0	329,04A	-23,033	420,000
80,000	2000,000	715,770	1,050	3,270	0	340,290	-3A,281	420,000
83,000	540,000	715,627	0	2,506	0	157,040	0	300,000
83,000	950,000	716,107	.480	1,785	0	29A,922	-141,482	300,000
83,000	1110,000	716,304	.197	1,576	0	302,263	-144,823	300,000
83,000	1440,000	716,452	.14A	.673	0	304,77A	-147,33A	300,000
86,000	540,000	718,697	0	3,070	0	302,142	0	300,000
86,000	950,000	719,327	.630	3,220	0	311,751	-9,610	300,000
86,000	1110,000	719,482	.155	3,17A	0	313,970	-11,829	300,000
86,000	1440,000	719,877	.395	3,425	0	319,682	-17,541	300,000
89,500	540,000	720,530	0	1,833	0	227,960	0	350,000
89,500	950,000	721,126	.596	1,799	0	234,115	-6,146	350,000
89,500	1110,000	721,334	.200	1,852	0	236,311	-A,342	350,000
89,500	1440,000	721,699	.364	1,822	0	240,024	-12,055	350,000
92,000	540,000	722,24A	0	1,71A	0	220,96A	0	250,000
92,000	950,000	722,79A	.551	1,470	0	230,71A	-5,750	250,000
92,000	1110,000	722,97A	.182	1,440	0	232,64A	-7,682	250,000
92,000	1440,000	723,345	.367	1,60A	0	236,38A	-11,422	250,000
92,500	540,000	722,76A	0	.520	0	54,000	0	50,000
92,500	950,000	723,257	.491	.461	0	54,000	0	50,000
92,500	1110,000	723,460	.203	.481	0	54,000	0	50,000
92,500	1440,000	723,903	.443	.55A	0	54,000	0	50,000
93,500	540,000	724,375	0	1,609	0	2A,000	0	100,000
93,500	950,000	726,761	2,385	3,504	0	2A,000	0	100,000
93,500	1110,000	727,380	.620	3,921	0	2A,000	0	100,000
93,500	1440,000	728,668	1,287	4,765	0	329,803	-301,803	100,000

95.000	1440.000	729.283	.901	.614	0	321.089	-84.964	50.000
96.500	540.000	724.994	0	.099	0	28.000	0	150.000
96.500	950.000	727.585	2.491	.045	0	282.914	-254.915	150.000
96.500	1110.000	728.418	.833	.036	0	297.180	-269.180	150.000
96.500	1440.000	729.319	.901	.036	0	322.277	-294.277	150.000
97.200	540.000	727.499	0	2.505	0	345.190	0	70.000
97.200	950.000	728.138	.639	.552	0	405.050	-9.856	70.000
97.200	1110.000	728.646	.508	.227	0	423.208	-28.010	70.000
97.200	1440.000	729.485	.839	.166	0	451.611	-56.417	70.000
97.700	540.000	727.496	0	-.003	0	287.332	0	50.000
97.700	950.000	728.134	.638	-.003	0	295.017	-7.665	50.000
97.700	1110.000	728.643	.509	-.002	0	332.850	-45.522	50.000
97.700	1440.000	729.484	.840	-.002	0	365.656	-78.320	50.000
100.000	325.000	728.531	0	1.035	0	204.327	0	230.000
100.000	580.000	728.834	.304	.701	0	219.623	-15.296	230.000
100.000	680.000	728.934	.099	.291	0	221.038	-16.712	230.000
100.000	880.000	729.655	.721	.172	0	272.590	-68.263	230.000
106.000	325.000	733.555	0	5.020	0	133.996	0	600.000
106.000	580.000	734.186	.631	5.351	0	141.502	-7.506	600.000
106.000	680.000	734.389	.203	5.455	0	143.923	-9.927	600.000
106.000	880.000	734.374	-.016	4.719	0	143.737	-9.737	600.000
112.000	325.000	740.136	0	6.581	0	126.615	0	600.000
112.000	580.000	740.414	.278	7.227	0	129.965	-3.370	600.000
112.000	680.000	740.529	.116	6.100	0	131.304	-4.691	600.000
112.000	880.000	741.143	.610	6.769	0	138.633	-12.018	600.000
118.000	325.000	749.014	0	8.878	0	132.317	0	600.000
118.000	580.000	749.551	.538	9.138	0	138.720	-6.407	600.000
118.000	680.000	749.720	.169	9.191	0	140.751	-8.438	600.000
118.000	880.000	749.740	.020	8.597	0	140.941	-8.628	600.000
122.000	325.000	756.371	0	7.358	0	19.231	0	600.000
122.000	580.000	757.744	1.372	8.193	0	28.253	-9.018	600.000
122.000	680.000	758.161	.417	8.001	0	30.991	-11.756	600.000
122.000	880.000	758.874	.715	9.135	0	35.666	-16.460	600.000
127.500	325.000	765.661	0	9.240	0	29.663	0	550.000
127.500	580.000	767.059	1.398	9.315	0	38.865	-9.182	550.000
127.500	680.000	767.500	.441	9.340	0	41.769	-12.061	550.000
127.500	880.000	768.278	.718	9.403	0	46.872	-17.169	550.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ELC	TARGET	TOP ADJIN AREAS-ACRES	TOP ADJOUT AREAS-ACRES
1	0	0	0	39.810	0
2	0	0	0	57.143	17.330
3	0	0	0	61.072	21.259
4	0	0	0	77.752	27.936

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

OK
 already
 plotted

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE
 T3 TRIBUTARY 1-9,10 YEAR D CATOF

J1	TCHECK	INR	NINR	IDIR	STRT	METRIC	WVINS	Q	WSFL	FR
	-0	2.	-0	-0	-0	-0	-0	-0	483,900	-0
J2	NPROF	TPLOT	PREVS	YSECV	XSFCM	FM	ALLDC	IRW	CHNIM	ITRACE
	1,000	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.060	.100	.300					
BT	5,000	750,000	1400,000	1750,000	1750,000	2400,000				
ET	-0	-0	-0	-0	10,400					
X1	7,700	20,000	91,000	112,000					-1,600	-0
GR	701,900	0	694,200	42,000	692,000	50,000	482,800	74,000	682,500	91,000
GR	679,100	93,000	692,200	100,000	679,400	106,000	483,000	112,000	482,300	150,000
GR	682,500	180,000	487,900	198,000	687,800	200,000	488,000	203,000	688,100	207,000
GR	699,100	250,000	703,100	265,000	707,500	277,000	706,800	280,000	710,700	300,000
Y1	16,300	20,000	158,000	189,000	860,000	860,000	860,000		-1,600	-0
GR	693,000	0	690,800	30,000	691,600	30,000	487,600	50,000	480,800	79,000
GR	684,300	100,000	684,500	150,000	684,900	158,000	481,700	160,000	480,700	170,000
GR	680,700	177,000	682,900	189,000	684,900	200,000	485,300	250,000	486,300	100,000
GR	689,500	345,000	690,300	350,000	692,100	357,000	691,400	361,000	691,200	369,000
X1	16,800	0	-0	-0	50,000	50,000	50,000		-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	486,200	486,200	-0
SB	0	1,500	2,500	0	10,000	0	80,000	2,000	-0	-0
Y1	17,500	23,000	160,000	214,000	70,000	70,000	70,000		-1,600	-0
Y2	-0	-0	1,000	684,400	686,200				-0	-0
Y3	10,000	-0	-0	-0	-0	-0	-0	486,200	486,200	-0
BT	11,000	0	691,400	0	50,000	489,000	0	100,000	487,300	0
BT	150,000	686,400	0	180,000	686,200	684,400	214,000	686,200	684,400	250,000
BT	686,400	0	300,000	486,800	0	350,000	487,700	0	400,000	489,800
BT	0	450,000	692,300	0	-0	-0	-0	-0	-0	-0
GR	692,400	0	692,300	4,000	691,100	0,000	487,600	50,000	484,500	100,000
GR	684,700	150,000	686,000	180,000	684,500	185,000	483,500	184,000	680,900	190,000
GR	680,900	200,000	685,400	214,000	685,400	250,000	685,400	255,000	684,400	259,000
GR	684,800	265,000	686,100	300,000	686,200	350,000	686,800	372,000	692,700	390,000
GR	693,300	400,000	694,300	438,000	694,700	450,000	-0	-0	-0	-0
X1	18,000	0	-0	-0	50,000	50,000	50,000		-0	-0
X1	24,500	24,000	386,000	415,000	650,000	650,000	650,000		-1,600	-0
GR	705,000	0	699,700	100,000	697,800	150,000	694,600	200,000	693,200	223,000
GR	694,400	229,000	692,600	242,000	692,400	250,000	691,600	300,000	691,600	350,000
GR	692,100	386,000	683,400	395,000	682,900	400,000	683,700	408,000	691,800	415,000
GR	691,400	430,000	686,400	446,000	685,600	450,000	686,800	458,000	687,700	500,000
GR	697,800	544,000	697,400	550,000	698,300	588,000	705,000	700,000	-0	-0

GR	730,000	0	715,700	100,000	716,000	200,000	715,800	233,000	715,500	244,000
GR	711,000	245,000	710,800	250,000	711,000	255,000	714,900	257,000	715,500	300,000
GR	714,600	350,000	715,000	385,000	716,500	400,000	730,000	500,000	-0	-0
QT	5,000	540,000	950,000	1110,000	1110,000	1440,000	-0	-0	-0	-0
X1	83,000	-0	-0	-0	300,000	300,000	300,000	-0	3,400	-0
X1	86,000	-0	-0	-0	300,000	300,000	300,000	-0	2,400	-0
X1	89,500	12,000	100,000	150,000	350,000	350,000	350,000	-0	-2,400	-0
GR	729,100	0	721,900	50,000	721,100	100,000	721,900	144,000	718,700	147,000
GR	718,600	150,000	718,600	153,000	722,200	154,000	721,500	200,000	721,300	250,000
GR	721,200	265,000	731,600	300,000	-0	-0	-0	-0	-0	-0
X1	92,000	0	0	0	250,000	250,000	250,000	-0	2,000	-0
X1	92,500	-0	-0	-0	50,000	50,000	50,000	-0	400	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,000	728,000	-0
SB	0	2,000	2,500	0	12,000	0	135,000	500	-0	-0
X1	93,500	12,000	232,000	260,000	100,000	100,000	100,000	-0	-900	-0
X2	-0	-0	1,000	725,400	728,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,000	728,000	-0
BT	8,000	0	737,500	0	100,000	730,400	0	150,000	728,900	0
BT	200,000	728,000	0	232,000	728,000	725,400	260,000	728,000	725,400	300,000
BT	728,500	0	450,000	730,400	0	-0	-0	-0	-0	-0
GR	735,000	0	728,400	100,000	722,800	150,000	722,500	200,000	723,600	232,000
GR	720,500	242,000	720,500	254,000	723,800	260,000	722,100	300,000	722,600	350,000
GR	728,800	400,000	735,000	500,000	-0	-0	-0	-0	-0	-0
X1	95,000	-0	-0	-0	50,000	50,000	50,000	-0	900	-0
X1	96,500	-0	-0	-0	150,000	150,000	150,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	726,700	726,700	-0
SB	0	1,500	2,500	0	4,700	0	17,000	0	-0	-0
X1	97,200	19,000	197,000	203,000	70,000	70,000	70,000	-0	-2,800	-0
X2	-0	-0	1,000	724,400	726,700	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	726,800	726,800	-0
BT	10,000	0	735,000	0	50,000	730,800	0	100,000	728,800	0
BT	197,000	726,700	721,500	198,000	726,700	724,100	200,000	726,700	724,400	202,000
BT	726,400	724,100	203,000	726,700	721,500	365,000	726,600	0	500,000	735,000
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	735,000	0	732,200	50,000	730,800	100,000	725,600	150,000	725,500	190,000
GR	721,500	197,000	721,100	198,000	720,800	200,000	721,100	201,000	721,500	203,000
GR	724,900	205,000	724,200	250,000	723,800	300,000	724,000	350,000	724,200	400,000
GR	725,800	420,000	728,000	425,000	728,000	450,000	729,700	500,000	-0	-0
X1	97,700	0	0	0	50,000	50,000	50,000	-0	3,200	-0
QT	5,000	325,000	580,000	680,000	680,000	880,000	-0	-0	-0	-0
X1	100,000	0	0	0	230,000	230,000	230,000	-0	3,400	-0
X1	106,000	6,000	27,000	100,000	600,000	600,000	600,000	-0	-7,200	-0
GR	747,200	0	739,900	27,000	738,600	50,000	739,800	100,000	739,800	150,000
GR	745,900	200,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	112,000	-0	-0	-0	600,000	600,000	600,000	-0	7,200	-0
X1	118,000	-0	-0	-0	600,000	600,000	600,000	-0	8,400	-0
X1	122,000	10,000	95,000	105,000	400,000	400,000	400,000	-0	-7,700	-0
GR	783,200	0	773,100	50,000	762,700	95,000	760,600	94,000	760,300	100,000
GR	760,800	104,000	762,600	105,000	778,200	140,000	779,300	150,000	784,000	200,000
X1	127,500	0	0	0	550,000	550,000	550,000	-0	-0	-0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L-8-2,500 YEAR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CHSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
1.00	-0	0	0	703.70	300.00	709.70	43.62	709.86	34.73	0	0	709.70
1.00	-0	0	0	703.70	550.00	712.20	145.88	712.27	153.96	0	0	712.20
1.00	-0	0	0	703.70	630.00	712.90	204.79	712.95	158.28	0	0	712.90
1.00	-0	0	0	703.70	820.00	714.90	438.02	714.92	170.60	0	0	714.90
1.50	50.00	0	0	703.70	300.00	709.93	45.31	710.09	23.00	0	0	0
A 1.50	50.00	0	0	703.70	550.00	712.20	90.39	712.42	23.00	0	0	0
1.50	50.00	0	0	703.70	630.00	712.85	104.87	713.09	23.00	0	0	0
1.50	50.00	0	0	703.70	820.00	714.78	151.48	715.03	23.00	0	0	0
		719.0	711.4									
STA 2+20 2.90	140.00	719.00	711.40	705.40	300.00	710.85	14.78	711.69	7.50	0	0	0
CHESTER ST. 2.90	140.00	719.00	711.40	705.40	550.00	714.72	28.60	715.68	7.50	0	0	0
2.90	140.00	719.00	711.40	705.40	630.00	716.53	35.28	717.42	7.50	0	0	0
2.90	140.00	719.00	711.40	705.40	820.00	719.11	44.83	720.10	7.50	0	0	0
3.50	60.00	0	0	705.10	300.00	712.05	60.01	712.15	27.77	0	0	0
A B 3.50	60.00	0	0	705.10	550.00	715.90	161.49	715.97	34.49	0	0	0
3.50	60.00	0	0	705.10	630.00	717.58	225.76	717.64	44.60	0	0	0
3.50	60.00	0	0	705.10	820.00	720.24	361.80	720.28	121.92	0	0	0
5.50	200.00	0	0	708.10	300.00	712.84	26.42	713.18	21.06	0	0	0
5.50	200.00	0	0	708.10	550.00	716.21	84.46	716.41	31.31	0	0	0
5.50	200.00	0	0	708.10	630.00	717.77	125.81	717.92	34.08	0	0	0
5.50	200.00	0	0	708.10	820.00	720.36	216.88	720.47	43.95	0	0	0
7.50	200.00	0	0	711.00	300.00	715.93	22.49	716.20	78.62	0	0	0
R C 7.50	200.00	0	0	711.00	550.00	717.29	73.72	717.39	126.86	0	0	0
7.50	200.00	0	0	711.00	630.00	718.32	142.48	718.37	146.51	0	0	0
7.50	200.00	0	0	711.00	820.00	720.61	384.79	720.63	186.67	0	0	0
8.00	50.00	0	0	711.00	300.00	716.62	11.30	716.16	6.00	0	0	0
8.00	50.00	0	0	711.00	550.00	717.97	15.75	721.10	6.00	0	0	0
8.00	50.00	0	0	711.00	630.00	718.57	17.77	722.09	6.00	0	0	0
8.00	50.00	0	0	711.00	820.00	719.93	22.58	724.11	6.00	0	0	0
		722.1	717.9									
STA 8+80 9.20	120.00	722.10	717.80	711.80	300.00	723.09	18.34	723.22	114.48	0	0	0
MORRIS ST. 9.20	120.00	722.10	717.80	711.80	550.00	716.33	8.56	722.68	6.00	0	0	0
9.20	120.00	722.10	717.80	711.80	630.00	721.03	20.26	723.08	6.00	0	0	0
9.20	120.00	722.10	717.80	711.80	820.00	723.86	65.28	724.11	129.51	0	0	0
10.00	80.00	0	0	711.90	300.00	723.24	475.06	723.24	117.93	0	0	0
U D 10.00	80.00	0	0	711.90	550.00	723.34	486.53	723.35	113.45	0	0	0
10.00	80.00	0	0	711.90	630.00	723.27	479.33	723.29	113.12	0	0	0
10.00	80.00	0	0	711.90	820.00	724.16	585.44	724.18	117.69	0	0	0
16.50	650.00	0	0	719.20	300.00	723.12	24.12	723.43	35.38	0	0	0
16.50	650.00	0	0	719.20	550.00	723.06	22.97	724.15	30.32	0	0	0
D E 16.50	650.00	0	0	719.20	630.00	723.31	27.53	724.44	38.38	0	0	0
16.50	650.00	0	0	719.20	820.00	723.84	39.13	725.06	47.20	0	0	0

41942

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	VSELK
* ER	26.50	1000.00	0	0	730.50	300.00	735.32	30.26	735.60	20.18	0	0
	26.50	1000.00	0	0	730.50	550.00	737.84	70.34	738.13	37.66	0	0
	26.50	1000.00	0	0	730.50	630.00	738.22	78.94	738.53	44.49	0	0
	26.50	1000.00	0	0	730.50	820.00	738.94	98.65	739.31	63.26	0	0
	37.00	1050.00	0	0	745.90	300.00	750.64	19.03	751.25	10.72	0	0
	37.00	1050.00	0	0	745.90	550.00	751.25	24.21	752.69	14.14	0	0
	37.00	1050.00	0	0	745.90	630.00	751.70	29.06	753.17	19.28	0	0
	37.00	1050.00	0	0	745.90	820.00	752.63	40.86	754.17	25.69	0	0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL - VSELK	TOPWID	T.W. DIFF	LENGTH
1,000	300,000	709.700	0	0	0	34.732	0	-0
1,000	550,000	712.200	2.500	0	0	153.963	-119.231	-0
1,000	630,000	712.900	.700	0	0	158.277	-123.545	-0
1,000	820,000	714.900	2.000	0	0	170.603	-135.871	-0
1,500	300,000	709.931	0	.231	0	23.000	0	50,000
1,500	550,000	712.203	2.273	.003	0	23.000	0	50,000
1,500	630,000	712.850	.647	-.050	0	23.000	0	50,000
1,500	820,000	714.781	1.931	-.119	0	23.000	0	50,000
2,900	300,000	710.853	0	.922	0	7.500	0	140,000
2,900	550,000	714.722	3.869	2.519	0	7.500	0	140,000
2,900	630,000	716.533	1.811	3.682	0	7.500	0	140,000
2,900	820,000	719.111	2.578	4.330	0	7.500	0	140,000
3,500	300,000	712.048	0	1.195	0	27.771	0	60,000
3,500	550,000	715.895	3.848	1.173	0	39.486	-11.714	60,000
3,500	630,000	717.577	1.681	1.044	0	44.603	-16.831	60,000
3,500	820,000	720.230	2.662	1.128	0	121.923	-94.152	60,000
5,500	300,000	712.844	0	.797	0	21.062	0	200,000
5,500	550,000	716.208	3.363	.312	0	31.305	-10.243	200,000
5,500	630,000	717.774	1.566	.197	0	36.085	-15.022	200,000
5,500	820,000	720.359	2.585	.120	0	43.953	-22.891	200,000
7,500	300,000	715.934	0	3.090	0	78.618	0	200,000
7,500	550,000	717.287	1.353	1.080	0	126.850	-48.241	200,000
7,500	630,000	718.324	1.037	.551	0	146.512	-67.895	200,000
7,500	820,000	720.607	2.283	.249	0	186.672	-108.055	200,000
8,000	300,000	716.618	0	.684	0	6.000	0	50,000
8,000	550,000	717.972	1.355	.685	0	6.000	0	50,000
8,000	630,000	718.565	.593	.241	0	6.000	0	50,000
8,000	820,000	719.928	1.363	-.679	0	6.000	0	50,000
9,200	300,000	723.084	0	6.468	0	114.484	0	120,000
9,200	550,000	716.328	-6.757	-1.644	0	6.000	108.484	120,000
9,200	630,000	721.028	4.699	2.462	0	6.000	108.484	120,000
9,200	820,000	723.856	2.828	3.928	0	129.511	-15.026	120,000
10,000	300,000	723.240	0	.154	0	112.928	0	80,000
10,000	550,000	723.338	.098	7.009	0	113.447	-.519	80,000
10,000	630,000	723.275	-.063	2.247	0	113.123	-.194	80,000
10,000	820,000	724.164	.889	.308	0	117.692	-4.763	80,000
16,500	300,000	723.123	0	-.117	0	35.382	0	650,000
16,500	550,000	723.061	-.063	-.278	0	34.323	1.059	650,000
16,500	630,000	723.305	.244	.030	0	38.379	-2.997	650,000

10,500	820,000	723,837	.932	-.327	0	47,205	-11,822	650,000
26,500	300,000	735,317	0	12,194	0	20,180	0	1000,000
26,500	550,000	737,844	2.527	14,784	0	37,661	-17,481	1000,000
26,500	630,000	738,219	.375	14,910	0	46,487	-26,306	1000,000
26,500	820,000	738,939	.720	15,102	0	63,258	-43,078	1000,000
37,000	300,000	750,644	0	15,327	0	14,725	0	1050,000
37,000	550,000	751,251	.607	13,407	0	16,130	-1,414	1050,000
37,000	630,000	751,696	.445	13,477	0	19,276	-0,551	1050,000
37,000	820,000	752,633	.937	13,694	0	25,690	-10,965	1050,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	3.036	0
2	0	0	3.488	.452
3	0	0	3.904	.868
4	0	0	5.254	2.218

41943

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-8-2,500 YEAR Q

CATOF

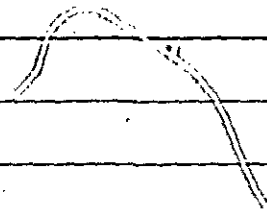
J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FG
	=0	6.	=0	=0	=0	=0	=0	=0	714,900	=0
J2	NPROF	IPLOT	PRFVB	YSECV	YSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	=0	=0	=0	=0	=0	=0	=0	=0	=0

41939

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=5=2,100 YEAR Q CATOE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	=0	4.	=0	=0	=0	=0	=0	=0	712,900	=0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3,000	=0	// =0	=0	=0	=0	=0	=0	=0	=0



C C 41936

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-3-2,50 YEAR D

CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FG
	-0	3.	-0	-0	-0	-0	-0	-0	712,200	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IR	CHNIM	ITRACE
	2,000	1,000	-0	2,000	10,000	-0	-0	-0	-0	-0

41933

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

PROFILE PLOTTED 3-15-76 by S.P.F.

T1	GASTONIA NORTH CAROLINA										
T2	FLOOD INSURANCE STUDY										
T3	TRIBUTARY L-8-2, 10 YEAR Q										
	CATOE										
J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	WVINS	0	WSEL	FO	
	-0	2.	-0	-0	-0	-0	-0	-0	709,700	-0	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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	9,000	-0	-0	-0	
NC	.080	.080	.070	.100	.300	-0	-0	-0	-0	-0	
QT	5,000	300,000	550,000	630,000	630,000	820,000	-0	-0	-0	-0	
ET	-0	-0	-0	-0	10,400	-0	-0	-0	-0	-0	
X1	1,000	15,000	91,000	114,000	-0	-0	-0	-0	-0	-0	
GR	719,500	0	717,200	50,000	717,300	60,000	708,600	85,000	708,600	91,000	
GR	704,100	95,000	703,700	100,000	704,500	103,000	709,600	114,000	711,000	150,000	
GR	711,300	200,000	711,100	225,000	718,700	250,000	725,000	265,000	724,900	300,000	
X1	1,500	0	-0	-0	50,000	50,000	50,000	-0	-0	-0	
X3	10,000	-0	-0	-0	-0	-0	-0	719,000	719,000	-0	
SB	0	1,500	2,500	0	7,500	0	45,000	0	705,400	704,000	
X1	2,900	8,000	96,300	103,800	140,000	140,000	140,000	-0	-0	-0	
X2	-0	-0	1,000	711,400	719,000	-0	-0	-0	-0	-0	
X3	10,000	-0	-0	-0	-0	-0	-0	719,900	719,900	-0	
BT	6,000	0	719,000	0	50,000	719,400	0	96,300	719,900	711,400	
BT	103,800	719,900	711,400	150,000	720,700	0	200,000	721,900	0	-0	
GR	719,000	0	719,400	50,000	719,900	96,300	705,400	96,300	705,400	103,800	
GR	719,900	103,800	720,700	150,000	721,900	200,000	-0	-0	-0	-0	
X1	3,500	10,000	70,000	122,000	60,000	60,000	60,000	-0	-0	-0	
GR	720,100	0	719,700	50,000	719,800	70,000	705,800	95,000	705,100	100,000	
GR	705,200	103,000	720,300	122,000	720,900	150,000	722,600	200,000	725,100	250,000	
X1	5,500	0	-0	-0	200,000	200,000	200,000	-0	3,000	-0	
X1	7,500	10,000	118,000	124,000	200,000	200,000	200,000	-0	-0	-0	
GR	722,100	0	716,500	50,000	715,500	100,000	713,700	118,000	711,000	119,000	
GR	711,000	121,000	711,400	123,000	714,300	124,000	715,300	150,000	720,300	200,000	
X1	8,000	0	-0	-0	50,000	50,000	50,000	-0	-0	-0	
X3	10,000	-0	-0	-0	-0	-0	-0	721,100	721,100	-0	
SB	0	1,500	2,500	0	6,000	0	36,000	0	711,800	711,100	
X1	9,200	8,000	97,000	103,000	120,000	120,000	120,000	-0	-0	-0	
X2	-0	-0	1,000	717,800	722,100	-0	-0	-0	-0	-0	
X3	10,000	-0	-0	-0	-0	-0	-0	722,500	722,500	-0	
BT	6,000	0	722,900	0	50,000	722,100	0	97,000	722,500	717,800	
BT	103,000	722,500	717,800	150,000	724,900	0	200,000	728,600	0	-0	

GR	722,900	0	722,100	50,000	722,500	97,000	711,800	97,000	711,800	103,000
GR	722,500	103,000	724,900	150,000	728,600	200,000	-0	-0	-0	-0
XI	10,000	12,000	90,000	110,000	80,000	80,000	80,000	-0	-0	-0
GR	725,000	0	725,100	25,000	717,900	50,000	716,300	80,000	715,400	82,000
GR	714,900	90,000	712,100	96,000	711,900	100,000	712,000	103,000	715,300	110,000
GR	720,600	140,000	726,600	150,000	-0	-0	-0	-0	-0	-0
XI	16,500	10,000	130,000	160,000	650,000	650,000	650,000	-0	-0	-0
GR	737,600	0	732,700	50,000	726,600	100,000	722,800	130,000	719,700	147,000
GR	719,200	150,000	719,600	153,000	722,800	160,000	727,400	200,000	736,800	250,000
XI	26,500	8,000	90,000	120,000	1000,000	1000,000	1000,000	-0	-0	-0
GR	745,600	0	739,100	50,000	737,300	90,000	730,500	95,000	730,700	100,000
GR	730,800	105,000	741,000	120,000	746,500	150,000	-0	-0	-0	-0
XI	37,000	7,000	40,000	62,000	1050,000	1050,000	1050,000	-0	-0	-0
GR	757,700	0	751,200	40,000	746,000	46,000	745,900	50,000	746,200	52,000
GR	759,400	62,000	763,700	100,000	-0	-0	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

41930

26.00 2550.
2600.

I : W L E , M
I : W L E . M

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 17 GASTONIA NORTH CAROLINA
T2 FLOOD INSURANCE STUDY
T3 TRIBUTARYL=8=1,100 YEAR @

CATOE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-0	4.	-0	-0	-0	-0	-0	-0	712,900	-0

J2	NPROF	TPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

32014

PROFILE PLOTTED 3-12-76 by S.P.F.

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

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-8-1, 10 YEAR Q CATOF

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	2	-0	-0	-0	-0	-0	-0	709,700	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	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	9,000	-0	-0	-0
NC	-0	-0	-0	-0	-0	-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	12,000	90,000	135,000	-0	-0	-0	-0	-0	-0
GR	708,800	0	708,500	50,000	706,900	90,000	701,600	95,000	700,900	100,000
GR	701,900	105,000	709,000	110,000	708,500	120,000	702,000	125,000	706,300	135,000
GR	708,700	150,000	712,400	200,000	-0	-0	-0	-0	-0	-0
X1	7,500	11,000	90,000	107,000	750,000	750,000	750,000	-0	-0	-0
GR	720,400	0	716,000	50,000	715,100	90,000	712,200	95,500	710,600	96,000
GR	709,600	98,000	710,600	100,000	712,200	100,500	715,200	107,000	715,000	150,000
GR	718,100	200,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7,700	0	-0	-0	20,000	20,000	20,000	-0	400	-0
X3	10,000	-0	-0	-0	-0	-0	-0	715,200	715,200	-0
SB	-0	1,500	2,500	0	5,000	-0	21,400	-0	-0	-0
X1	8,300	0	-0	-0	60,000	60,000	60,000	-0	-0	-0
X2	-0	-0	1,000	715,200	717,900	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	717,900	717,900	-0
BT	10,000	0	721,600	0	50,000	718,900	0	90,000	718,900	0
BT	95,500	717,900	712,600	96,000	717,900	714,200	98,000	717,900	715,200	100,000
BT	717,900	714,200	100,500	717,900	712,600	150,000	717,900	0	200,000	719,000
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
X1	8,500	9,000	89,000	108,000	20,000	20,000	20,000	-0	-0	-0
GR	717,900	0	715,900	50,000	715,200	89,000	711,000	96,000	711,000	100,000
GR	711,200	103,000	714,300	108,000	716,300	150,000	718,500	200,000	-0	-0
X1	15,400	9,000	43,000	57,000	690,000	690,000	690,000	-0	-0	-0
GR	727,100	0	721,900	43,000	720,700	48,000	720,600	50,000	720,900	52,000
GR	722,100	57,000	723,800	100,000	730,900	150,000	732,800	200,000	-0	-0
X1	26,000	10,000	85,000	114,000	1060,000	1060,000	1060,000	-0	-0	-0
GR	748,100	0	740,200	50,000	733,800	85,000	728,500	97,000	728,200	100,000
GR	728,500	102,000	734,600	114,000	736,000	150,000	736,700	160,000	740,700	200,000
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

32009

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L=8,500 YEAR 0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCI	STENCR	WSELK	
A	7.00	-0	0	0	671.50	690.00	677.50	43.46	678.36	20.43	0	0	677.60
	7.00	-0	0	0	671.50	1220.00	679.50	77.74	680.47	95.76	0	0	679.50
	7.00	-0	0	0	671.50	1420.00	680.50	121.67	681.05	124.24	0	0	680.50
	7.00	-0	0	0	671.50	1850.00	685.80	744.79	685.84	175.74	0	0	685.80
V	9.50	250.00	0	0	675.00	690.00	682.30	60.73	682.77	40.73	0	0	0
	9.50	250.00	0	0	675.00	1220.00	683.95	118.82	684.38	126.99	0	0	0
	9.50	250.00	0	0	675.00	1420.00	683.96	119.29	684.53	127.20	0	0	0
	9.50	250.00	0	0	675.00	1850.00	686.02	286.95	686.21	152.24	0	0	0
U	11.50	200.00	0	0	677.80	690.00	684.96	58.44	685.46	29.18	0	0	0
	11.50	200.00	0	0	677.80	1220.00	686.34	98.43	686.96	114.26	0	0	0
	11.50	200.00	0	0	677.80	1420.00	686.78	120.21	687.35	127.60	0	0	0
	11.50	200.00	0	0	677.80	1850.00	687.15	142.57	687.84	134.72	0	0	0
B	14.00	250.00	0	0	681.30	690.00	687.48	88.38	687.70	73.54	0	0	0
	14.00	250.00	0	0	681.30	1220.00	688.95	159.50	689.23	107.61	0	0	0
	14.00	250.00	0	0	681.30	1420.00	689.28	181.63	689.59	111.61	0	0	0
	14.00	250.00	0	0	681.30	1850.00	689.94	232.71	690.31	116.51	0	0	0
C	21.00	700.00	0	0	684.60	690.00	690.87	114.95	690.94	215.57	0	0	0
	21.00	700.00	0	0	684.60	1220.00	691.93	230.15	691.90	249.83	0	0	0
	21.00	700.00	0	0	684.60	1420.00	692.25	275.02	692.32	257.90	0	0	0
	21.00	700.00	0	0	684.60	1850.00	692.87	373.19	692.95	273.44	0	0	0
D	30.00	900.00	0	0	690.10	690.00	696.18	62.13	696.47	110.72	0	0	0
	30.00	900.00	0	0	690.10	1220.00	696.80	93.53	697.21	124.59	0	0	0
	30.00	900.00	0	0	690.10	1420.00	697.00	105.28	697.45	129.06	0	0	0
	30.00	900.00	0	0	690.10	1850.00	697.38	131.89	697.91	130.43	0	0	0
E	30.80	80.00	0	0	691.30	690.00	697.24	42.92	697.99	24.26	0	0	0
	30.80	80.00	0	0	691.30	1220.00	698.09	56.40	699.68	25.28	0	0	0
	30.80	80.00	0	0	691.30	1420.00	698.29	59.82	700.28	25.53	0	0	0
	30.80	80.00	0	0	691.30	1850.00	698.84	69.59	701.56	26.20	0	0	0
STA 31+50	31.00	20.00	710.8	706.4	691.40	690.00	697.14	43.34	699.77	10.10	0	0	0
	31.00	20.00	708.40	706.50	691.40	1220.00	699.60	71.87	703.35	10.51	0	0	0
	31.00	20.00	708.40	706.50	691.40	1420.00	700.43	82.25	704.53	10.78	0	0	0
	31.00	20.00	708.40	706.50	691.40	1850.00	702.06	103.72	706.86	11.11	0	0	0
F	31.20	20.00	708.40	706.50	691.40	690.00	699.07	65.47	700.46	10.50	0	0	0
	31.20	20.00	708.40	706.50	691.40	1220.00	702.24	106.27	704.25	11.15	0	0	0
	31.20	20.00	708.40	706.50	691.40	1420.00	703.27	120.41	705.49	11.55	0	0	0
	31.20	20.00	708.40	706.50	691.40	1850.00	705.32	150.53	707.94	11.77	0	0	0
G	31.40	20.00	0	0	691.30	690.00	700.49	105.22	700.71	27.00	0	0	0
	31.40	20.00	0	0	691.30	1220.00	704.26	205.80	704.54	27.00	0	0	0
	31.40	20.00	0	0	691.30	1420.00	705.49	242.54	705.80	27.00	0	0	0
	31.40	20.00	0	0	691.30	1850.00	707.93	319.15	708.29	27.00	0	0	0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWTD	STENCI	STENCR	WSELK	
* E	32.00	60.00	0	0	692.50	690.00	700.80	214.09	700.80	134.20	0	0	0
	32.00	60.00	0	0	692.50	1220.00	704.59	694.03	704.61	156.20	0	0	0
	32.00	60.00	0	0	692.50	1420.00	705.84	908.87	705.87	163.50	0	0	0
	32.00	60.00	0	0	692.50	1850.00	708.33	1415.55	708.35	177.95	0	0	0
F	35.70	370.00	0	0	692.90	690.00	701.27	176.46	701.30	227.15	0	0	0
	35.70	370.00	0	0	692.90	1220.00	704.70	785.15	704.71	268.61	0	0	0
	35.70	370.00	0	0	692.90	1420.00	705.93	1102.67	705.94	273.53	0	0	0
	35.70	370.00	0	0	692.90	1850.00	708.39	1875.55	708.40	283.37	0	0	0
	36.90	120.00	0	0	694.00	690.00	701.53	97.17	701.62	205.94	0	0	0
	36.90	120.00	0	0	694.00	1220.00	704.74	549.25	704.76	264.34	0	0	0
	36.90	120.00	0	0	694.00	1420.00	705.95	822.20	705.97	269.23	0	0	0
	36.90	120.00	0	0	694.00	1850.00	708.40	1512.71	708.41	279.03	0	0	0
	39.90	300.00	0	0	694.50	690.00	701.54	44.68	702.31	19.85	0	0	0
	39.90	300.00	0	0	694.50	1220.00	704.74	96.67	705.62	20.00	0	0	0
	39.90	300.00	0	0	694.50	1420.00	705.95	119.14	706.86	20.00	0	0	0
	39.90	300.00	0	0	694.50	1850.00	708.40	167.53	709.36	20.00	0	0	0
G	41.50	160.00	0	0	694.50	690.00	703.37	121.92	703.47	137.57	0	0	0
	41.50	160.00	0	0	694.50	1220.00	706.07	383.43	706.12	187.01	0	0	0
	41.50	160.00	0	0	694.50	1420.00	707.19	550.79	707.23	206.88	0	0	0
	41.50	160.00	0	0	694.50	1850.00	709.58	1045.10	709.60	283.05	0	0	0
H	49.00	750.00	0	0	697.80	610.00	705.86	101.66	706.03	89.81	0	0	0
	49.00	750.00	0	0	697.80	1100.00	707.23	185.45	707.40	140.24	0	0	0
	49.00	750.00	0	0	697.80	1300.00	707.98	252.75	708.12	152.97	0	0	0
	49.00	750.00	0	0	697.80	1660.00	709.94	489.49	710.01	185.99	0	0	0
	49.80	80.00	0	0	697.80	610.00	705.84	42.05	706.86	10.00	0	0	0
	49.80	80.00	0	0	697.80	1100.00	705.71	41.01	709.13	10.00	0	0	0
	49.80	80.00	0	0	697.80	1300.00	706.33	45.80	710.40	10.00	0	0	0
	49.80	80.00	0	0	697.80	1660.00	707.75	56.96	712.54	10.00	0	0	0
STA. 50+20	50.00	20.00	712.6	708.10	697.70	610.00	705.84	146.90	707.03	10.80	0	0	0
	50.00	20.00	712.50	708.10	697.70	1100.00	706.09	153.16	709.73	10.80	0	0	0
	50.00	20.00	712.50	708.10	697.70	1300.00	706.48	147.69	711.11	10.80	0	0	0
	50.00	20.00	712.50	708.10	697.70	1660.00	713.64	426.85	713.97	250.00	0	0	0
	50.70	70.00	712.50	708.80	698.40	610.00	705.84	130.04	707.30	10.80	0	0	0
	50.70	70.00	712.50	708.80	698.40	1100.00	706.79	153.16	710.43	10.80	0	0	0
	50.70	70.00	712.50	708.80	698.40	1300.00	707.18	147.69	711.81	10.80	0	0	0
	50.70	70.00	712.50	708.80	698.40	1660.00	714.05	325.49	714.60	250.00	0	0	0
	50.90	20.00	0	0	698.40	610.00	707.38	106.27	707.49	79.84	0	0	0
	50.90	20.00	0	0	698.40	1100.00	710.77	356.22	710.82	165.87	0	0	0
	50.90	20.00	0	0	698.40	1300.00	712.26	550.32	712.30	169.42	0	0	0
	50.90	20.00	0	0	698.40	1660.00	714.60	955.28	714.67	170.00	0	0	0

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SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CHSEL	TQ	EG	TOPWTD	STENCI	STENCR	WSELK
	52.00	110.00	0	0	699.80	610.00	707.82	70.85	708.04	64.47	0	0
J	52.00	110.00	0	0	699.80	1100.00	710.89	232.61	710.90	135.46	0	0
	52.00	110.00	0	0	699.80	1300.00	712.33	375.25	712.39	166.26	0	0
	52.00	110.00	0	0	699.80	1660.00	714.67	710.37	714.71	170.00	0	0
	53.50	150.00	0	0	700.80	610.00	709.04	56.75	709.48	18.00	0	0
	53.50	150.00	0	0	700.80	1100.00	711.11	85.38	711.92	18.00	0	0
	53.50	150.00	0	0	700.80	1300.00	712.20	102.95	713.08	18.00	0	0
	53.50	150.00	0	0	700.80	1660.00	714.77	566.14	714.82	160.68	0	0
			711.1	706.9								
Sta 54+00	53.80	30.00	710.20	706.80	700.80	610.00	709.35	81.92	709.73	25.75	0	0
	53.80	30.00	710.20	706.80	700.80	1100.00	712.08	181.57	712.30	133.45	0	0
	53.80	30.00	710.20	706.80	700.80	1300.00	713.29	362.79	713.41	161.33	0	0
	53.80	30.00	710.20	706.80	700.80	1660.00	714.77	701.23	714.86	189.99	0	0
	54.20	40.00	710.20	706.80	700.80	610.00	709.57	81.66	709.95	25.86	0	0
	54.20	40.00	710.20	706.80	700.80	1100.00	712.26	203.03	712.44	138.19	0	0
	54.20	40.00	710.20	706.80	700.80	1300.00	713.34	373.34	713.46	162.43	0	0
	54.20	40.00	710.20	706.80	700.80	1660.00	714.80	707.27	714.88	190.42	0	0
	54.40	20.00	0	0	700.90	610.00	709.95	108.05	710.06	45.00	0	0
	54.40	20.00	0	0	700.90	1100.00	712.45	463.65	712.47	200.00	0	0
	54.40	20.00	0	0	700.90	1300.00	713.46	631.25	713.48	200.00	0	0
	54.40	20.00	0	0	700.90	1660.00	714.87	903.35	714.89	200.00	0	0
	55.00	60.00	0	0	700.90	610.00	710.14	184.63	710.17	160.44	0	0
L-8-1	55.00	60.00	0	0	700.90	1100.00	712.48	468.88	712.51	200.00	0	0
L-8-2	55.00	60.00	0	0	700.90	1300.00	713.48	635.79	713.51	200.00	0	0
	55.00	60.00	0	0	700.90	1660.00	714.89	908.89	714.91	200.00	0	0
	64.00	900.00	0	0	710.30	350.00	713.99	12.61	715.17	20.65	0	0
L	64.00	900.00	0	0	710.30	615.00	715.34	29.21	716.37	47.22	0	0
	64.00	900.00	0	0	710.30	720.00	715.64	34.90	716.69	53.22	0	0
	64.00	900.00	0	0	710.30	960.00	716.16	46.72	717.29	63.45	0	0
	70.50	650.00	0	0	715.70	350.00	721.69	57.34	721.79	82.76	0	0
M	70.50	650.00	0	0	715.70	615.00	722.61	95.95	722.74	106.13	0	0
	70.50	650.00	0	0	715.70	720.00	722.89	112.03	723.03	109.35	0	0
	70.50	650.00	0	0	715.70	960.00	723.48	149.28	723.63	115.87	0	0
	71.80	130.00	0	0	716.10	350.00	722.16	50.79	722.26	80.88	0	0
	71.80	130.00	0	0	716.10	615.00	723.13	102.62	723.24	107.51	0	0
	71.80	130.00	0	0	716.10	720.00	723.41	119.01	723.53	110.66	0	0
	71.80	130.00	0	0	716.10	960.00	724.00	157.64	724.14	117.20	0	0
Sta. 71+90	73.20	140.00	725.00	721.40	716.40	350.00	722.95	34.66	723.40	10.00	0	0
	73.20	140.00	725.00	721.40	716.40	615.00	724.52	48.75	725.43	10.00	0	0
	73.20	140.00	725.00	721.40	716.40	720.00	724.34	45.35	725.64	10.00	0	0
	73.20	140.00	725.00	721.40	716.40	960.00	726.03	192.23	726.20	73.20	0	0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCI	STFNCR	WSFLK
N	74.00	80.00	0	0	717.90	350.00	723.73	58.99	723.88	34.18	0	0
	74.00	80.00	0	0	717.90	615.00	725.80	114.78	725.97	43.99	0	0
	74.00	80.00	0	0	717.90	720.00	726.12	125.79	726.32	70.20	0	0
	74.00	80.00	0	0	717.90	960.00	726.21	129.37	726.54	70.39	0	0
O	76.00	200.00	0	0	718.90	350.00	724.57	48.49	724.73	38.44	0	0
	76.00	200.00	0	0	718.90	615.00	726.44	102.32	726.61	66.53	0	0
	76.00	200.00	0	0	718.90	720.00	726.84	117.71	727.02	72.39	0	0
	76.00	200.00	0	0	718.90	960.00	727.32	140.23	727.56	98.14	0	0
	77.50	150.00	0	0	720.70	350.00	725.58	33.88	725.85	24.36	0	0
	77.50	150.00	0	0	720.70	615.00	727.13	61.47	727.52	25.00	0	0
	77.50	150.00	0	0	720.70	720.00	727.53	78.49	727.87	55.96	0	0
	77.50	150.00	0	0	720.70	960.00	728.16	99.10	728.58	65.22	0	0
STA. 77+80	78.20	70.00	729.30	727.4	720.70	350.00	726.49	19.76	727.16	12.02	0	0
	78.20	70.00	729.30	727.50	720.70	615.00	728.12	18.75	729.45	13.42	0	0
	78.20	70.00	729.30	727.50	720.70	720.00	728.03	18.84	729.85	13.33	0	0
	78.20	70.00	729.30	727.50	720.70	960.00	728.05	18.83	731.28	13.34	0	0
P	79.00	80.00	0	0	721.30	350.00	727.68	63.86	727.78	41.93	0	0
	79.00	80.00	0	0	721.30	615.00	729.97	137.74	730.06	66.90	0	0
	79.00	80.00	0	0	721.30	720.00	730.45	158.20	730.55	72.01	0	0
	79.00	80.00	0	0	721.30	960.00	731.94	239.95	732.03	77.35	0	0
	80.00	100.00	0	0	722.40	350.00	728.04	47.67	728.19	31.86	0	0
	80.00	100.00	0	0	722.40	615.00	730.19	104.56	730.34	57.31	0	0
	80.00	100.00	0	0	722.40	720.00	730.67	121.85	730.83	62.54	0	0
	80.00	100.00	0	0	722.40	960.00	732.11	184.27	732.25	75.40	0	0
STA. 80+60	81.00	100.00	735.50	728.40	723.70	350.00	728.73	8.92	730.08	8.00	0	0
	81.00	100.00	735.50	728.40	723.70	615.00	732.94	27.23	734.02	8.00	0	0
	81.00	100.00	735.50	728.40	723.70	720.00	734.66	33.35	735.71	8.00	0	0
	81.00	100.00	735.50	728.40	723.70	960.00	734.98	34.49	736.74	8.00	0	0
Q	81.50	50.00	0	0	723.90	350.00	730.48	75.76	730.55	87.13	0	0
	81.50	50.00	0	0	723.90	615.00	734.16	324.81	734.18	100.00	0	0
	81.50	50.00	0	0	723.90	720.00	735.83	489.80	735.85	100.00	0	0
	81.50	50.00	0	0	723.90	960.00	736.93	612.51	736.95	100.00	0	0
R	88.00	650.00	0	0	728.90	350.00	733.24	28.42	733.56	62.23	0	0
	88.00	650.00	0	0	728.90	615.00	734.66	72.22	734.86	76.32	0	0
	88.00	650.00	0	0	728.90	720.00	736.11	142.53	736.21	89.61	0	0
	88.00	650.00	0	0	728.90	960.00	737.23	214.95	737.33	99.37	0	0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH G	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWID	T.A. DIFF	LENGTH
7.000	690.000	677.600	0	0	0	20.430	0	-0
7.000	1220.000	679.500	1.900	0	0	95.758	-75.328	-0
7.000	1420.000	680.500	1.000	0	0	128.241	-107.811	-0
7.000	1850.000	685.800	5.300	0	0	175.742	-155.312	-0
9.500	690.000	682.299	0	0.699	0	40.729	0	250.000
9.500	1220.000	683.948	1.649	0.648	0	126.988	-86.259	250.000
9.500	1420.000	683.957	0.010	3.457	0	127.197	-86.467	250.000
9.500	1850.000	686.018	2.060	.218	0	152.242	-111.512	250.000
11.500	690.000	684.962	0	2.603	0	29.179	0	200.000
11.500	1220.000	686.337	1.375	2.390	0	114.264	-85.085	200.000
11.500	1420.000	686.779	.442	2.822	0	127.601	-98.422	200.000

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14,000	690,000	687,484	0	2,522	0	73,536	0	250,000
14,000	1220,000	688,952	1,468	2,615	0	107,606	-34,070	250,000
14,000	1420,000	689,284	.332	2,504	0	111,613	-38,077	250,000
14,000	1850,000	689,965	.681	2,811	0	116,307	-42,771	250,000
21,000	690,000	690,869	0	3,384	0	215,567	0	700,000
21,000	1220,000	691,925	1,056	2,973	0	209,834	-34,268	700,000
21,000	1420,000	692,246	.321	2,963	0	257,903	-42,336	700,000
21,000	1850,000	692,869	.623	2,904	0	273,437	-57,871	700,000
30,000	690,000	696,183	0	5,313	0	119,721	0	900,000
30,000	1220,000	696,797	.615	4,872	0	128,384	-8,665	900,000
30,000	1420,000	696,997	.190	4,750	0	129,056	-9,334	900,000
30,000	1850,000	697,384	.388	4,515	0	130,433	-10,711	900,000
30,800	690,000	697,244	0	1,061	0	24,258	0	80,000
30,800	1220,000	698,094	.850	1,296	0	25,285	-1,025	80,000
30,800	1420,000	698,294	.201	1,298	0	25,529	-1,271	80,000
30,800	1850,000	698,842	.548	1,458	0	26,198	-1,940	80,000
31,000	690,000	697,140	0	.104	0	10,103	0	20,000
31,000	1220,000	699,602	2,462	1,508	0	10,606	-.502	20,000
31,000	1420,000	700,431	.829	2,137	0	10,775	-.672	20,000
31,000	1850,000	702,064	1,632	3,221	0	11,108	-1,005	20,000
31,200	690,000	699,073	0	1,933	0	10,498	0	20,000
31,200	1220,000	702,241	3,168	2,639	0	11,146	-.648	20,000
31,200	1420,000	703,267	1,026	2,836	0	11,354	-.855	20,000
31,200	1850,000	705,321	2,054	3,257	0	11,773	-1,274	20,000
31,400	690,000	700,491	0	1,418	0	27,000	0	20,000
31,400	1220,000	704,258	3,767	2,017	0	27,000	0	20,000
31,400	1420,000	705,493	1,234	2,226	0	27,000	0	20,000
31,400	1850,000	707,929	2,436	2,608	0	27,000	0	20,000
32,000	690,000	700,805	0	.313	0	134,198	0	60,000
32,000	1220,000	704,589	3,784	.331	0	156,203	-22,006	60,000
32,000	1420,000	705,844	1,255	.351	0	163,501	-29,304	60,000
32,000	1850,000	708,328	2,484	.400	0	177,948	-43,750	60,000
35,700	690,000	701,268	0	.463	0	227,148	0	370,000
35,700	1220,000	704,701	3,433	.112	0	268,613	-41,465	370,000
35,700	1420,000	705,929	1,229	.085	0	273,533	-46,385	370,000
35,700	1850,000	708,387	2,458	.059	0	283,373	-56,225	370,000
36,900	690,000	701,532	0	.265	0	205,945	0	120,000
36,900	1220,000	704,735	3,203	.055	0	264,342	-58,397	120,000
36,900	1420,000	705,952	1,216	.023	0	269,228	-63,283	120,000
36,900	1850,000	708,399	2,867	.012	0	279,034	-73,089	120,000
39,900	690,000	701,541	0	.008	0	19,848	0	300,000
39,900	1220,000	704,737	3,194	.002	0	20,000	-.152	300,000
39,900	1420,000	705,953	1,216	.001	0	20,000	-.152	300,000
39,900	1850,000	708,400	2,867	.001	0	20,000	-.152	300,000
41,500	690,000	703,366	0	1,825	0	137,569	0	160,000
41,500	1220,000	706,068	2,702	1,331	0	187,008	-49,440	160,000
41,500	1420,000	707,193	1,125	1,240	0	206,881	-69,312	160,000
41,500	1850,000	709,580	2,387	1,180	0	283,051	-145,482	160,000
49,000	610,000	705,857	0	2,491	0	89,808	0	750,000
49,000	1100,000	707,226	1,370	1,158	0	140,237	-50,432	750,000
49,000	1300,000	707,981	.755	.788	0	152,971	-63,165	750,000
49,000	1660,000	709,938	1,957	.358	0	185,986	-96,180	750,000

49,800	610,000	705,844	0	-.013	0	10,000	0	80,000
49,800	1100,000	705,708	-.136	-1.518	0	10,000	0	80,000
49,800	1300,000	706,332	.624	-1.649	0	10,000	0	80,000
49,800	1660,000	707,755	1.422	-2.183	0	10,000	0	80,000
50,000	610,000	705,837	0	-.007	0	10,800	0	20,000
50,000	1100,000	706,095	.258	.386	0	10,800	0	20,000
50,000	1300,000	706,475	.381	.143	0	10,800	0	20,000
50,000	1660,000	713,642	7.167	5.887	0	250,000	-239,200	20,000
50,700	610,000	705,842	0	.005	0	10,800	0	70,000
50,700	1100,000	706,795	.953	.700	0	10,800	0	70,000
50,700	1300,000	707,175	.381	.700	0	10,800	0	70,000
50,700	1660,000	714,053	6.878	.411	0	250,000	-239,200	70,000
50,900	610,000	707,375	0	1.533	0	79,841	0	20,000
50,900	1100,000	710,771	3.396	3.977	0	165,867	-86,026	20,000
50,900	1300,000	712,262	1.491	5.087	0	169,423	-89,582	20,000
50,900	1660,000	714,641	2.379	.588	0	170,000	-90,160	20,000
52,000	610,000	707,820	0	.445	0	63,468	0	110,000
52,000	1100,000	710,888	3.068	.117	0	135,460	-71,996	110,000
52,000	1300,000	712,328	1.440	.066	0	166,258	-102,790	110,000
52,000	1660,000	714,675	2.347	.034	0	170,000	-106,532	110,000
53,500	610,000	709,042	0	1.222	0	18,000	0	150,000
53,500	1100,000	711,109	2.067	.221	0	18,000	0	150,000
53,500	1300,000	712,196	1.087	-.132	0	18,000	0	150,000
53,500	1660,000	714,766	2.569	.091	0	169,680	-151,680	150,000
53,800	610,000	709,346	0	.304	0	25,753	0	30,000
53,800	1100,000	712,084	2.738	.975	0	153,447	-107,694	30,000
53,800	1300,000	713,289	1.206	1.093	0	161,335	-135,582	30,000
53,800	1660,000	714,772	1.482	.006	0	189,988	-164,235	30,000
54,200	610,000	709,570	0	.220	0	25,854	0	40,000
54,200	1100,000	712,255	2.686	.171	0	138,195	-112,336	40,000
54,200	1300,000	713,345	1.090	.055	0	162,425	-136,566	40,000
54,200	1660,000	714,795	1.450	.023	0	190,417	-164,558	40,000
54,400	610,000	709,950	0	.380	0	45,000	0	20,000
54,400	1100,000	712,428	2.498	.193	0	200,000	-155,000	20,000
54,400	1300,000	713,457	1.009	.112	0	200,000	-155,000	20,000
54,400	1660,000	714,869	1.412	.070	0	200,000	-155,000	20,000
55,000	610,000	710,139	0	.189	0	169,440	0	60,000
55,000	1100,000	712,482	2.343	.034	0	200,000	-30,560	60,000
55,000	1300,000	713,483	1.001	.026	0	200,000	-30,560	60,000
55,000	1660,000	714,889	1.406	.020	0	200,000	-30,561	60,000
64,000	350,000	713,990	0	3.852	0	20,652	0	900,000
64,000	615,000	715,338	1.347	2.856	0	47,220	-26,572	900,000
64,000	720,000	715,642	.304	2.159	0	53,218	-32,566	900,000
64,000	960,000	716,161	.519	1.272	0	65,455	-42,803	900,000
70,500	350,000	721,692	0	7.701	0	82,765	0	650,000
70,500	615,000	722,613	1.922	7.276	0	106,130	-23,369	650,000
70,500	720,000	722,894	.280	7.252	0	109,351	-26,586	650,000
70,500	960,000	723,481	.587	7.320	0	115,873	-33,108	650,000
71,800	350,000	722,163	0	.472	0	84,882	0	130,000
71,800	615,000	723,127	.964	.510	0	107,505	-22,623	130,000
71,800	720,000	723,413	.285	.519	0	110,601	-25,779	130,000
71,800	960,000	724,003	.591	.522	0	117,203	-32,321	130,000

31978

73,200	350,000	724,520	1,572	1,393	0	10,000	0	140,000
73,200	615,000	724,338	1,182	926	0	10,000	0	140,000
73,200	960,000	726,035	1,696	2,031	0	73,203	-63,203	140,000
74,000	350,000	723,733	0	785	0	30,185	0	80,000
74,000	615,000	725,799	2,066	1,279	0	43,989	-9,807	80,000
74,000	720,000	726,121	322	1,783	0	70,195	-36,011	80,000
74,000	960,000	726,206	385	1,172	0	70,390	-36,205	80,000
76,000	350,000	724,571	0	838	0	38,437	0	200,000
76,000	615,000	726,442	1,870	643	0	66,528	-28,091	200,000
76,000	720,000	726,835	394	714	0	72,387	-33,950	200,000
76,000	960,000	727,319	483	1,112	0	98,140	-59,703	200,000
77,500	350,000	725,581	0	1,010	0	24,362	0	150,000
77,500	615,000	727,133	1,552	692	0	25,000	-638	150,000
77,500	720,000	727,531	398	696	0	55,964	-31,602	150,000
77,500	960,000	728,155	624	837	0	65,219	-40,857	150,000
78,200	350,000	726,489	0	907	0	12,018	0	70,000
78,200	615,000	728,124	1,635	991	0	13,420	-1,402	70,000
78,200	720,000	728,029	95	498	0	13,327	-1,309	70,000
78,200	960,000	728,046	16	110	0	13,341	-1,324	70,000
79,000	350,000	727,683	0	1,194	0	41,935	0	80,000
79,000	615,000	729,970	2,287	1,846	0	66,899	-24,964	80,000
79,000	720,000	730,447	477	2,418	0	72,007	-30,073	80,000
79,000	960,000	731,940	1,492	3,894	0	77,352	-55,418	80,000
80,000	350,000	728,043	0	361	0	31,856	0	100,000
80,000	615,000	730,192	2,149	222	0	57,305	-25,450	100,000
80,000	720,000	730,675	482	227	0	62,539	-30,683	100,000
80,000	960,000	732,110	1,435	170	0	75,399	-43,543	100,000
81,000	350,000	728,733	0	690	0	8,000	0	100,000
81,000	615,000	732,942	4,209	2,749	0	8,000	0	100,000
81,000	720,000	734,661	1,714	3,986	0	8,000	0	100,000
81,000	960,000	734,978	317	2,868	0	8,000	0	100,000
81,500	350,000	730,476	0	1,743	0	87,129	0	50,000
81,500	615,000	734,162	3,686	1,220	0	100,001	-12,872	50,000
81,500	720,000	735,833	1,671	1,172	0	100,001	-12,872	50,000
81,500	960,000	736,933	1,100	1,955	0	100,001	-12,873	50,000
88,000	350,000	733,240	0	2,764	0	62,227	0	650,000
88,000	615,000	734,660	1,420	498	0	76,322	-14,094	650,000
88,000	720,000	736,114	1,454	281	0	89,611	-27,383	650,000
88,000	960,000	737,232	1,118	299	0	99,375	-37,147	650,000

DATA FOR LAST CROSS SECTION

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

1	0	0	17,327	0
2	0	0	23,355	6,028
3	0	0	24,723	7,396
4	0	0	28,196	10,869

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=8,500 YEAR Q

CATDE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	6.	-0	-0	-0	-0	-0	-0	685.800	-0
J2	NPROF	TPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	15.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

31969

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=8,100 YEAR Q

CATOE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0	4.	-0	-0	-0	-0	-0	-0	680.500	-0
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	TTRACE
	3,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

31963

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=8,50 YEAR Q

CATOE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-0	3.	-0	-0	-0	-0	-0	-0	679,500	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	YTRACE
	2,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

31957

BT	7,000	0	742,000	0	50,000	737,000	0	100,000	735,600	0
BT	146,000	735,500	728,400	154,000	735,500	728,400	200,000	736,600	0	250,000
BT	739,500	0	0	0	0	0	0	0	0	0
GR	742,000	0	737,000	50,000	735,600	100,000	735,500	146,000	723,700	146,000
GR	723,700	154,000	735,500	154,000	736,600	200,000	739,500	250,000	0	0
XI	81,500	7,000	40,000	57,000	50,000	50,000	50,000	0	0	0
GR	730,800	0	727,700	40,000	724,100	43,000	723,900	50,000	724,300	55,000
GR	727,700	57,000	731,200	100,000	0	0	0	0	0	0
XI	88,000	10,000	92,000	108,000	650,000	650,000	650,000	0	0	0
GR	740,700	0	739,800	40,000	735,200	50,000	732,800	58,000	732,100	92,000
GR	729,300	95,000	728,900	100,000	729,500	105,000	731,600	108,000	738,000	150,000
EJ	0	0	0	0	0	0	0	0	0	0

31951

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

Plotted 3-15-76 by S.P.F.

get. v. C. Mir R.W. Elen
Stor. "S" section
Cross Notes
Upstream & Min
R/W Elen
Also Sta. 08
R02

T1	GASTONIA NORTH CAROLINA										
T2	FLOOD INSURANCE STUDY										
T3	TRIBUTARY L=8, 10 YEAR Q										
J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	WVINS	Q	WSEL	EQ	CATOF
	-0	2.	-0	-0	-0	-0	-0	-0	677.600	-0	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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	9.000	-0	-0	-0	
NC	.080	.080	.080	.100	.300	-0	-0	-0	-0	-0	
QT	5.000	690.000	1220.000	1420.000	1420.000	1850.000	-0	-0	-0	-0	
ET	-0	-0	-0	-0	10.400	-0	-0	-0	-0	-0	
X1	7.000	11.000	90.000	112.000	-0	-0	-0	-0	-0	-0	
GR	694.300	0	663.000	50.000	680.300	60.000	678.100	90.000	671.800	92.000	
GR	671.500	100.000	672.400	106.000	679.200	112.000	678.700	150.000	681.100	200.000	
GR	698.700	250.000	-0	-0	-0	-0	-0	-0	-0	-0	
X1	9.500	0	-0	-0	250.000	250.000	250.000	-0	3.500	-0	
X1	11.500	0	-0	-0	200.000	200.000	200.000	-0	2.800	-0	
X1	14.000	11.000	80.000	122.000	250.000	250.000	250.000	-0	-0	-0	
GR	697.600	0	688.900	30.000	687.200	50.000	687.500	80.000	681.900	90.000	
GR	681.400	100.000	681.300	110.000	687.400	122.000	689.200	140.000	692.100	150.000	
GR	701.200	200.000	-0	-0	-0	-0	-0	-0	-0	-0	
X1	21.000	14.000	340.000	365.000	700.000	700.000	700.000	-0	-0	-0	
GR	699.200	0	696.100	50.000	693.100	100.000	690.400	150.000	689.200	200.000	
GR	688.700	250.000	689.600	300.000	691.200	340.000	684.700	343.000	684.600	350.000	
GR	684.800	355.000	690.900	365.000	696.300	400.000	709.000	450.000	-0	-0	
X1	30.000	12.000	138.000	165.000	900.000	900.000	900.000	-0	-0	-0	
GR	712.300	0	698.700	35.000	695.700	50.000	694.600	100.000	695.800	138.000	
GR	691.000	144.000	690.200	150.000	690.100	155.000	698.300	165.000	708.100	200.000	
GR	708.800	225.000	715.800	250.000	-0	-0	-0	-0	-0	-0	
X1	30.800	0	-0	-0	80.000	80.000	80.000	-0	1.200	-0	
X3	10.000	-0	-0	-0	-0	-0	-0	-0	706.400	706.400	
NC	.035	.035	.035	.300	.500	-0	-0	-0	-0	-0	
X1	31.000	12.000	144.000	156.000	20.000	20.000	20.000	-0	-0	-0	
BT	12.000	0	709.900	0	50.000	708.800	0	100.000	708.400	0	
BT	140.000	708.500	0	144.000	708.500	708.400	144.000	708.500	708.400	150.000	
BT	708.600	706.500	155.000	708.700	706.500	708.700	706.500	706.500	158.000	708.700	
BT	0	200.000	710.200	0	250.000	713.300	0	-0	-0	-0	
GR	709.900	0	708.800	50.000	708.400	100.000	708.500	140.000	706.400	144.000	
GR	691.700	146.000	691.400	150.000	691.800	155.000	706.500	156.000	708.700	158.000	
GR	710.200	200.000	713.300	250.000	-0	-0	-0	-0	-0	-0	

GR	715,300	0	712,700	50,000	711,800	74,000	710,000	94,000	702,700	100,000
GR	700,800	101,000	701,000	113,000	701,000	117,000	703,600	118,000	704,100	123,000
GR	709,700	124,000	710,300	150,000	711,000	200,000	-0	-0	-0	-0
X1	54,200	0	-0	-0	40,000	40,000	40,000	-0	-0	-0
X2	-0	-0	-0	-0	-0	-0	1,000	-0	-0	-0
NC	.080	.080	.080	.100	.300	-0	-0	-0	-0	-0
X1	54,400	12,000	90,000	135,000	20,000	20,000	20,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	710,200	710,200	-0
GR	708,800	0	708,500	50,000	706,900	90,000	701,600	95,000	700,900	100,000
GR	701,900	105,000	709,000	110,000	708,500	120,000	702,000	125,000	706,300	135,000
GR	708,700	150,000	712,400	200,000	-0	-0	-0	-0	-0	-0
X1	55,000	0	-0	-0	60,000	60,000	60,000	-0	-0	-0
QT	5,000	350,000	615,000	720,000	720,000	960,000	-0	-0	-0	-0
X1	64,000	10,000	145,000	160,000	900,000	900,000	900,000	-0	-0	-0
GR	721,300	0	720,500	50,000	720,500	100,000	713,900	145,000	710,700	145,000
GR	710,300	150,000	711,200	155,000	713,600	160,000	716,700	200,000	723,300	250,000
X1	70,500	10,000	50,000	75,000	650,000	650,000	650,000	-0	-0	-0
GR	727,300	0	727,000	30,000	721,300	50,000	715,800	62,000	715,700	66,000
GR	715,700	70,000	720,100	75,000	720,500	100,000	722,400	150,000	729,000	200,000
X1	71,800	0	-0	-0	130,000	130,000	130,000	-0	.400	-0
X3	10,000	-0	-0	-0	-0	-0	-0	721,400	721,400	-0
SB	0	1,500	2,500	200,000	8,000	0	48,000	0	716,400	715,400
X1	73,200	9,000	45,000	55,000	140,000	140,000	140,000	-0	-1,500	-0
X2	-0	-0	1,000	721,400	725,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	725,900	725,900	-0
GR	732,600	0	729,800	22,000	721,300	40,000	718,000	45,000	717,900	50,000
GR	718,100	55,000	720,300	60,000	726,000	75,000	725,900	100,000	-0	-0
X1	74,000	0	-0	-0	80,000	80,000	80,000	-0	1,500	-0
X1	76,000	9,000	85,000	110,000	200,000	200,000	200,000	-0	-0	-0
GR	731,800	0	727,500	50,000	724,100	85,000	719,100	95,000	719,000	100,000
GR	718,900	105,000	722,700	110,000	727,000	130,000	727,000	150,000	-0	-0
X1	77,500	0	-0	-0	150,000	150,000	150,000	-0	1,800	-0
X3	10,000	-0	-0	-0	-0	-0	-0	727,400	727,400	-0
SB	0	1,500	2,500	0	15,000	0	100,000	0	0	0
X1	78,200	15,000	87,000	102,000	70,000	70,000	70,000	-0	-0	-0
X2	-0	-0	1,000	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	729,500	729,500	-0
BT	7,000	0	735,400	0	50,000	731,500	0	87,000	729,800	727,500
BT	102,000	729,500	727,500	112,000	729,300	0	150,000	729,700	0	175,000
BT	730,600	0	-0	-0	-0	-0	-0	-0	-0	-0
GR	735,400	0	731,500	50,000	729,800	87,000	727,500	87,000	729,700	88,000
GR	722,400	92,000	721,000	95,000	720,700	98,000	721,100	100,000	722,600	101,000
GR	727,600	102,000	729,500	102,000	729,300	112,000	729,700	150,000	730,600	175,000
X1	79,000	7,000	35,000	80,000	80,000	80,000	80,000	-0	-0	-0
GR	730,700	0	726,700	35,000	721,900	45,000	721,300	50,000	721,300	55,000
GR	733,200	80,000	733,600	100,000	-0	-0	-0	-0	-0	-0
X1	80,000	0	-0	-0	100,000	100,000	100,000	-0	1,100	-0
X3	10,000	-0	-0	-0	-0	-0	-0	728,400	728,400	-0
SB	0	1,500	2,500	0	8,000	0	48,000	-0	-0	-0
X1	81,000	9,000	146,000	154,000	100,000	100,000	100,000	-0	-0	-0
X2	-0	-0	1,000	-0	-0	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	735,500	735,500	-0

BT	7,000	0	742,000	0	50,000	737,000	0	100,000	735,000	0
BT	146,000	735,500	728,400	154,000	735,500	728,400	200,000	736,600	0	250,000
GR	739,500	0	0	0	0	0	0	0	0	0
GR	742,000	0	737,000	50,000	735,600	100,000	735,500	146,000	723,700	146,000
GR	723,700	154,000	735,500	154,000	736,600	200,000	739,500	250,000	0	0
X1	81,500	7,000	40,000	57,000	50,000	50,000	50,000	0	0	0
GR	730,800	0	727,700	40,000	724,100	43,000	723,900	50,000	724,300	55,000
GR	727,700	57,000	731,200	100,000	0	0	0	0	0	0
X1	88,000	10,000	92,000	108,000	650,000	650,000	650,000	0	0	0
GR	740,700	0	739,800	40,000	735,200	50,000	732,800	58,000	732,100	92,000
GR	729,300	95,000	728,900	100,000	729,500	105,000	731,600	108,000	738,000	150,000
EJ	0	0	0	0	0	0	0	0	0	0

31951

64,500	365,000	713,508	0	1,822	0	168,188	0	150,000
64,500	650,000	714,137	.629	1,848	0	184,549	-16,360	150,000
64,500	760,000	714,263	.125	1,630	0	187,883	-19,694	150,000
64,500	990,000	714,575	.313	1,374	0	195,755	-27,567	150,000
72,000	365,000	720,422	0	6,914	0	124,143	0	750,000
72,000	650,000	721,005	.583	6,867	0	128,667	-4,524	750,000
72,000	760,000	721,268	.264	7,006	0	130,692	-6,549	750,000
72,000	990,000	721,699	.431	7,124	0	134,005	-9,862	750,000
80,000	365,000	727,555	0	7,133	0	93,777	0	800,000
80,000	650,000	728,366	.811	7,361	0	108,388	-14,611	800,000
80,000	760,000	728,557	.191	7,289	0	110,056	-16,279	800,000
80,000	990,000	728,991	.434	7,292	0	113,538	-19,761	800,000
81,000	365,000	739,888	0	12,333	0	96,517	0	100,000
81,000	650,000	740,297	.409	11,931	0	111,235	-14,718	100,000
81,000	760,000	740,418	.122	11,861	0	114,542	-18,026	100,000
81,000	990,000	740,650	.232	11,658	0	120,843	-24,326	100,000
82,000	365,000	740,342	0	.455	0	188,858	0	100,000
82,000	650,000	740,881	.538	.584	0	195,383	-6,525	100,000
82,000	760,000	741,054	.174	.636	0	197,485	-8,627	100,000
82,000	990,000	741,384	.330	.734	0	199,717	-10,859	100,000

DATA FOR LAST CROSS SECTION
PROFILE TYPE ENC

TARGET TOP WIDTH TOP WIDTH
AREA-ACRES AREA-DIFF

1	0	0	57,006	0
2	0	0	64,967	7,961
3	0	0	71,995	14,989
4	0	0	78,804	21,798

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

6-5-2

TRIBUTARY L-6, 500 YEAR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWTD	STENCL	STENCR	WSELK	
	240.00	-0	0	0	661.90	3400.00	670.90	379.94	671.24	1082.00	0	0	670.90
	240.00	-0	0	0	661.90	6600.00	673.80	1951.03	673.84	1335.43	0	0	673.80
	240.00	-0	0	0	661.90	9000.00	676.90	5090.98	676.92	1448.92	0	0	676.90
	240.00	-0	0	0	661.90	16000.00	682.50	13984.48	682.51	1470.00	0	0	682.50
A	22.00	2400.00	0	0	674.30	640.00	681.81	228.87	681.84	313.93	0	0	0
	22.00	2400.00	0	0	674.30	1120.00	680.02	77.08	680.88	168.92	0	0	0
	22.00	2400.00	0	0	674.30	1320.00	680.31	92.40	681.16	198.96	0	0	0
	22.00	2400.00	0	0	674.30	1700.00	682.82	377.83	682.90	352.77	0	0	0
	22.50	50.00	0	0	674.30	640.00	681.71	94.46	681.99	23.00	0	0	0
	22.50	50.00	0	0	674.30	1120.00	680.89	76.82	682.02	23.00	0	0	0
	22.50	50.00	0	0	674.30	1320.00	681.03	79.75	682.53	23.00	0	0	0
	22.50	50.00	0	0	674.30	1700.00	681.75	95.53	683.72	23.00	0	0	0
B	24.00	150.00	696.50	683.00	676.00	640.00	681.98	35.64	683.95	0.50	0	0	0
	24.00	150.00	696.50	683.00	676.00	1120.00	684.55	59.28	687.50	0.50	0	0	0
	24.00	150.00	696.50	683.00	676.00	1320.00	688.19	94.17	690.21	0.50	0	0	0
	24.00	150.00	696.50	683.00	676.00	1700.00	695.33	162.81	696.66	0.50	0	0	0
C	25.00	100.00	0	0	676.40	640.00	684.28	289.01	684.30	263.43	0	0	0
	25.00	100.00	0	0	676.40	1120.00	687.83	971.20	687.84	304.47	0	0	0
	25.00	100.00	0	0	676.40	1320.00	690.42	1705.34	690.43	328.11	0	0	0
	25.00	100.00	0	0	676.40	1700.00	696.80	4311.05	696.80	349.40	0	0	0
D	30.00	500.00	0	0	678.50	640.00	684.73	75.16	684.90	43.57	0	0	0
	30.00	500.00	0	0	678.50	1120.00	687.90	220.71	688.06	191.65	0	0	0
	30.00	500.00	0	0	678.50	1320.00	690.46	572.09	690.51	310.80	0	0	0
	30.00	500.00	0	0	678.50	1700.00	696.81	2467.53	696.81	349.44	0	0	0
	30.50	50.00	0	0	678.50	640.00	685.10	86.02	685.31	45.72	0	0	0
	30.50	50.00	0	0	678.50	1120.00	688.02	215.23	688.20	57.00	0	0	0
	30.50	50.00	0	0	678.50	1320.00	690.44	384.30	690.57	57.00	0	0	0
	30.50	50.00	0	0	678.50	1700.00	696.81	2468.15	696.82	349.45	0	0	0
E	31.50	100.00	690.10	685.40	678.50	640.00	690.73	443.52	690.74	313.07	0	0	0
	31.50	100.00	690.10	685.40	678.50	1120.00	691.85	658.25	691.86	320.23	0	0	0
	31.50	100.00	690.10	685.40	678.50	1320.00	692.25	746.35	692.27	322.82	0	0	0
	31.50	100.00	690.10	685.40	678.50	1700.00	696.91	2128.37	696.92	350.00	0	0	0
F	32.00	50.00	0	0	678.70	640.00	690.74	778.88	690.75	275.50	0	0	0
	32.00	50.00	0	0	678.70	1120.00	691.86	1030.78	691.87	289.99	0	0	0
	32.00	50.00	0	0	678.70	1320.00	692.27	1131.92	692.28	314.90	0	0	0
	32.00	50.00	0	0	678.70	1700.00	696.92	2684.76	696.92	350.00	0	0	0
	35.00	300.00	0	0	681.80	640.00	690.77	276.35	690.80	225.18	0	0	0
	35.00	300.00	0	0	681.80	1120.00	691.91	420.89	691.95	250.64	0	0	0
	35.00	300.00	0	0	681.80	1320.00	692.32	495.40	692.37	255.96	0	0	0
	35.00	300.00	0	0	681.80	1700.00	696.93	1578.82	696.94	333.34	0	0	0

STA 2180
GREEN ISLAND BR.

STA 2180
GREEN ISLAND BR.

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MTN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWTD	STENCL	STFNCR	WSFLK	
	38.00	300.00	0	0	684.90	515.00	691.02	110.67	691.07	184.86	0	0	0
	38.00	300.00	0	0	684.90	910.00	692.20	214.58	692.25	210.55	0	0	0
	38.00	300.00	0	0	684.90	1060.00	692.61	260.66	692.67	219.22	0	0	0
	38.00	300.00	0	0	684.90	1370.00	696.97	1045.88	696.98	284.28	0	0	0
E	41.00	300.00	0	0	688.00	515.00	692.67	34.99	693.24	141.27	0	0	0
	41.00	300.00	0	0	688.00	910.00	693.23	56.97	693.88	165.57	0	0	0
	41.00	300.00	0	0	688.00	1060.00	693.47	69.56	694.06	170.86	0	0	0
	41.00	300.00	0	0	688.00	1370.00	697.06	443.79	697.09	249.09	0	0	0
F	48.50	750.00	0	0	694.50	515.00	700.74	67.23	700.90	137.30	0	0	0
	48.50	750.00	0	0	694.50	910.00	701.67	120.21	701.84	223.15	0	0	0
	48.50	750.00	0	0	694.50	1060.00	701.87	136.52	702.04	306.55	0	0	0
	48.50	750.00	0	0	694.50	1370.00	700.92	75.37	701.84	149.36	0	0	0
G	57.00	850.00	0	0	703.40	365.00	707.82	27.62	708.31	28.82	0	0	0
	57.00	850.00	0	0	703.40	650.00	708.83	45.98	709.47	73.93	0	0	0
	57.00	850.00	0	0	703.40	760.00	709.18	55.68	709.80	88.93	0	0	0
	57.00	850.00	0	0	703.40	990.00	710.97	151.40	711.12	193.36	0	0	0
	57.80	80.00	0	0	703.40	365.00	708.93	41.80	709.22	18.91	0	0	0
	57.80	80.00	0	0	703.40	650.00	710.12	59.98	710.68	19.00	0	0	0
	57.80	80.00	0	0	703.40	760.00	710.40	64.56	711.10	19.00	0	0	0
	57.80	80.00	0	0	703.40	990.00	711.30	179.40	711.41	199.87	0	0	0
STA. 58+25			710.3	710.0									
DAVIDSON AV.	58.50	70.00	710.30	710.00	703.50	365.00	709.02	25.77	710.08	8.00	0	0	0
	58.50	70.00	710.30	710.00	703.50	650.00	711.64	260.93	711.66	198.34	0	0	0
	58.50	70.00	710.30	710.00	703.50	760.00	711.90	289.62	711.92	204.08	0	0	0
	58.50	70.00	710.30	710.00	703.50	990.00	712.42	351.59	712.45	215.48	0	0	0
H	58.80	30.00	0	0	703.50	365.00	710.23	131.05	710.25	167.43	0	0	0
	58.80	30.00	0	0	703.50	650.00	711.66	259.96	711.68	198.84	0	0	0
	58.80	30.00	0	0	703.50	760.00	711.92	288.97	711.95	204.53	0	0	0
	58.80	30.00	0	0	703.50	990.00	712.45	351.52	712.48	214.11	0	0	0
	59.50	70.00	0	0	703.50	365.00	710.28	135.47	710.30	168.74	0	0	0
	59.50	70.00	0	0	703.50	650.00	711.70	264.63	711.72	199.80	0	0	0
	59.50	70.00	0	0	703.50	760.00	711.97	294.46	711.99	205.69	0	0	0
	59.50	70.00	0	0	703.50	990.00	712.50	358.53	712.53	217.33	0	0	0
	61.00	150.00	0	0	704.60	365.00	710.44	76.07	710.40	147.60	0	0	0
	61.00	150.00	0	0	704.60	650.00	711.82	170.26	711.84	178.30	0	0	0
	61.00	150.00	0	0	704.60	760.00	712.10	194.81	712.14	184.41	0	0	0
	61.00	150.00	0	0	704.60	990.00	712.65	248.10	712.70	194.37	0	0	0
	63.00	200.00	0	0	706.20	365.00	711.89	24.94	712.15	128.06	0	0	0
	63.00	200.00	0	0	706.20	650.00	712.29	44.35	712.71	165.00	0	0	0
	63.00	200.00	0	0	706.20	760.00	712.63	60.95	712.93	173.82	0	0	0
	63.00	200.00	0	0	706.20	990.00	713.20	96.14	713.40	188.73	0	0	0

17122

SECTION NUMBER	CHANNEL WIDTH	MIN EL OF LOW CHORD	MAY EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEI	TC	EC	DEPTH	STENO	201002	FILE
I	84.50	150.00	0	0	707.30	365.00	713.51	40.98	713.61	168.19		1
I	84.50	150.00	0	0	707.30	650.00	714.14	85.38	714.25	168.55		1
I	84.50	150.00	0	0	707.30	760.00	714.24	93.91	714.30	167.88		1
I	84.50	150.00	0	0	707.30	990.00	714.58	115.79	714.72	195.70		1
J	72.00	750.00	0	0	718.40	365.00	720.42	25.89	720.57	120.14		1
J	72.00	750.00	0	0	718.40	650.00	721.00	50.01	721.18	128.67		1
J	72.00	750.00	0	0	718.40	760.00	721.27	62.96	721.40	131.69		1
J	72.00	750.00	0	0	718.40	990.00	721.70	84.88	721.80	130.10		1
K	80.00	800.00	0	0	723.60	365.00	727.55	51.59	727.67	91.76		1
K	80.00	800.00	0	0	723.60	650.00	728.37	85.65	728.53	108.39		1
K	80.00	800.00	0	0	723.60	760.00	728.54	96.21	728.70	111.10		1
K	80.00	800.00	0	0	723.60	990.00	728.99	120.23	729.21	113.50		1
L	81.00	100.00	0	0	738.40	365.00	739.80	11.67	740.31	91.52		1
L	81.00	100.00	0	0	738.40	650.00	740.30	22.76	740.82	111.20		1
L	81.00	100.00	0	0	738.40	760.00	740.42	26.88	740.90	110.50		1
L	81.00	100.00	0	0	738.40	990.00	740.65	35.63	741.31	121.80		1
L	82.00	100.00	0	0	724.10	365.00	740.34	1203.70	740.30	184.40		1
L	82.00	100.00	0	0	724.10	650.00	740.88	1308.01	740.88	195.38		1
L	82.00	100.00	0	0	724.10	760.00	741.05	1402.68	741.04	197.00		1
L	82.00	100.00	0	0	724.10	990.00	741.38	1470.79	741.30	190.72		1

SECTION NUMBER	DISCHARGE CFS	CASEI	CASEI DIFF EACH W	CASEI DIFF EACH SECTION	DEPTH	T.W. DIFF	LENGTH
240,000	3000,000	670,900	0	0	1081,907	0	0
240,000	6000,000	673,800	2,900	0	1335,020	-253,113	0
240,000	9000,000	676,900	3,100	0	1008,920	-366,100	0
240,000	10000,000	682,800	5,600	0	1070,001	-388,200	0
22,000	600,000	681,807	0	10,007	113,026	0	2000,000
22,000	1120,000	680,010	-1,788	8,219	168,911	108,000	2000,000
22,000	1320,000	680,310	295	3,010	108,956	110,970	2000,000
22,000	1700,000	682,816	2,507	3,310	162,772	-34,805	2000,000
22,500	600,000	681,700	0	-0,008	23,000	0	50,000
22,500	1120,000	680,890	-810	8,711	23,000	0	50,000
22,500	1320,000	681,028	138	710	23,000	0	50,000
22,500	1700,000	681,750	720	-1,002	23,000	0	50,000
24,000	600,000	681,060	0	376	0,500	0	150,000
24,000	1120,000	682,553	2,508	3,663	0,500	0	150,000
24,000	1320,000	682,186	3,636	7,161	0,500	0	150,000
24,000	1700,000	695,332	7,140	13,578	0,500	0	150,000
25,000	600,000	682,282	0	2,200	263,432	0	100,000
25,000	1120,000	687,831	3,547	3,278	308,071	-44,640	100,000
25,000	1320,000	690,423	2,593	2,216	328,113	-60,682	100,000
25,000	1700,000	696,746	6,320	1,066	340,390	-84,967	100,000
30,000	600,000	682,720	0	805	43,507	0	500,000
30,000	1120,000	687,900	3,171	0,060	191,647	-148,079	500,000
30,000	1320,000	690,060	2,560	0,041	310,800	-267,237	500,000
30,000	1700,000	696,407	6,387	0,010	340,438	-305,870	500,000
30,500	600,000	685,097	0	368	45,722	0	50,000
30,500	1120,000	688,017	2,920	0,117	57,000	-11,278	50,000
30,500	1320,000	690,000	2,428	0,070	57,000	-11,278	50,000

adjust Maxwell

OK

30,500	1700,000	696,810	6,366	.002	0	349,447	-303,726	50,000
31,500	640,000	690,733	0	5,636	0	313,074	0	100,000
31,500	1120,000	691,851	1,118	3,830	0	320,232	-7,158	100,000
31,500	1320,000	692,250	.403	1,810	0	322,823	-9,749	100,000
31,500	1700,000	696,915	4,661	.105	0	350,001	-34,927	100,000
32,000	640,000	690,741	0	.008	0	275,505	0	50,000
32,000	1120,000	691,862	1,121	.011	0	289,993	-11,488	50,000
32,000	1320,000	692,266	.404	.012	0	314,901	-30,396	50,000
32,000	1700,000	696,917	4,651	.002	0	350,000	-74,495	50,000
35,000	640,000	690,769	0	.028	0	225,185	0	300,000
35,000	1120,000	691,912	1,143	.050	0	250,645	-25,460	300,000
35,000	1320,000	692,323	.412	.057	0	255,957	-30,772	300,000
35,000	1700,000	696,932	4,609	.015	0	333,343	-108,158	300,000
38,000	515,000	691,015	0	.247	0	184,857	0	300,000
38,000	910,000	692,197	1,182	.286	0	210,551	-25,694	300,000
38,000	1060,000	692,612	.414	.289	0	219,216	-34,358	300,000
38,000	1370,000	696,973	4,362	.041	0	284,283	-99,425	300,000
41,000	515,000	692,668	0	1,652	0	141,267	0	300,000
41,000	910,000	693,220	.561	1,031	0	165,574	-24,307	300,000
41,000	1060,000	693,474	.245	.863	0	170,861	-29,594	300,000
41,000	1370,000	697,055	3,581	.082	0	249,088	-107,821	300,000
48,500	515,000	700,736	0	8,068	0	137,301	0	750,000
48,500	910,000	701,672	.937	8,440	0	223,151	-85,850	750,000
48,500	1060,000	701,868	.195	8,394	0	306,548	-169,247	750,000
48,500	1370,000	700,920	<u>-248</u>	3,865	0	<u>149,360</u>	-12,059	750,000
57,000	365,000	707,815	0	7,079	0	28,824	0	850,000
57,000	650,000	708,826	1,011	7,154	0	73,928	-45,104	850,000
57,000	760,000	709,178	.353	7,311	0	88,920	-60,106	850,000
57,000	990,000	710,968	1,789	10,048	0	193,358	-164,534	850,000
57,800	365,000	708,934	0	1,110	0	18,900	0	80,000
57,800	650,000	710,117	1,183	1,292	0	19,000	-.091	80,000
57,800	760,000	710,397	.280	1,219	0	19,000	-.091	80,000
57,800	990,000	711,301	.904	.334	0	199,866	-180,957	80,000
58,500	365,000	709,024	0	.090	0	8,000	0	70,000
58,500	650,000	711,635	2,611	1,518	0	198,341	-190,341	70,000
58,500	760,000	711,897	.262	1,500	0	204,075	-196,075	70,000
58,500	990,000	712,418	.521	1,116	0	215,482	-207,482	70,000
58,800	365,000	710,229	0	1,205	0	167,420	0	30,000
58,800	650,000	711,658	1,429	.023	0	198,841	-31,412	30,000
58,800	760,000	711,922	.264	.025	0	204,628	-37,199	30,000
58,800	990,000	712,446	.524	.020	0	216,113	-48,684	30,000
59,500	365,000	710,283	0	.054	0	168,736	0	70,000
59,500	650,000	711,702	1,418	.044	0	199,794	-31,060	70,000
59,500	760,000	711,970	.269	.048	0	205,686	-36,950	70,000
59,500	990,000	712,502	.532	.055	0	217,328	-48,592	70,000
61,000	365,000	710,435	0	.152	0	147,602	0	150,000
61,000	650,000	711,820	1,385	.118	0	178,298	-30,694	150,000
61,000	760,000	712,099	.279	.129	0	184,410	-36,808	150,000
61,000	990,000	712,645	.546	.143	0	196,373	-48,771	150,000
63,000	365,000	711,686	0	1,251	0	128,064	0	200,000
63,000	650,000	712,289	.604	.469	0	165,000	-36,936	200,000
63,000	760,000	712,633	.343	.533	0	173,820	-45,757	200,000
63,000	990,000	713,201	.569	.556	0	188,730	-60,666	200,000

*disc. 1
Mand. 1/17*

17123

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=6,500 YEAR Q CATOE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVTNS	Q	WSEL	FG
	-0	6.	-0	-0	-0	-0	-0	-0	682.500	-0
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNTM	YTRACE
	15.000	-0	-0	-0	-0	-0	-0	-0	-0	-0

17117

 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 NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L=6,50 YEAR Q CATOE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-0	3.	-0	-0	-0	-0	-0	-0	673,800	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2,000	-0	-0	-0	-0	-0	-0	-0	-0	-0

8128
 17108

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

PROFILE PLOTTED 3-16-76 by S.P.F.

T1 GASTONIA NORTH CAROLINA
 T2 FLOOD INSURANCE STUDY
 T3 TRIBUTARY L-6, 10 YEAR Q

CATOF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	=0	2	=0	=0	=0	=0	=0	=0	670,900	=0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	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	9,000			
NC	.100	.100	.070	.100	.300					
ET	=0	=0	=0	=0	10,400					
BT	5,000	3400,000	6600,000	9000,000	9000,000	16000,000				
X1	240,000	20,000	1087,000	1127,000	=0	=0	=0	=0	=0	=0
GR	680,000	30,000	675,000	50,000	670,000	450,000	670,200	800,000	669,300	850,000
GR	669,700	900,000	669,700	950,000	670,100	1000,000	670,100	1050,000	671,200	1087,000
GR	662,000	1096,000	661,900	1116,000	669,100	1127,000	670,700	1150,000	668,900	1300,000
GR	668,800	1000,000	669,500	1050,000	670,800	1070,000	675,000	1086,000	680,000	1500,000
BT	5,000	640,000	1120,000	1320,000	1320,000	1700,000				
X1	22,000	20,000	140,000	163,000	2400,000	2400,000	2400,000			
GR	690,500	=0	687,900	50,000	683,000	100,000	677,300	140,000	674,300	143,000
GR	674,800	145,200	674,800	145,250	674,800	154,750	674,800	154,800	674,400	158,000
GR	678,100	163,000	679,500	200,000	679,700	250,000	680,100	300,000	680,700	350,000
GR	681,100	400,000	682,700	450,000	684,100	500,000	684,900	550,000	685,500	600,000
X1	22,500	=0	=0	=0	50,000	50,000	50,000			
X3	10,000	=0	=0	=0	=0	=0	=0	697,000	697,000	
SB	=0	1,500	2,500	=0	9,500	=0	66,500			
X1	24,000	13,000	145,250	154,750	150,000	150,000	150,000			
X2	=0	=0	1,000	683,000	696,500					
X3	10,000	=0	=0	=0	=0	=0	=0	697,000	697,000	
BT	10,000	50,000	697,000		100,000	696,500		148,200	696,400	
BT	145,250	696,400	683,000	154,750	696,400	683,000	154,800	696,400		200,000
BT	696,500	0	250,000	696,600		300,000	696,700		350,000	697,500
BT	0	=0	=0	=0	=0	=0	=0			
GR	697,000	=0	680,200	50,000	680,900	100,000	676,000	145,200	676,000	148,250
GR	676,000	154,750	676,000	154,800	681,100	160,000	681,300	200,000	682,300	250,000
GR	684,200	300,000	683,100	315,000	690,800	350,000				
X1	25,000	13,000	142,000	160,000	100,000	100,000	100,000			
GR	697,000	0	680,200	50,000	680,900	100,000	680,000	142,000	676,700	148,000
GR	676,400	150,000	676,600	153,000	681,100	160,000	681,300	200,000	682,300	250,000
GR	684,200	300,000	685,100	315,000	690,800	350,000				
X1	30,000	14,000	163,000	220,000	500,000	500,000	500,000			
GR	696,900	0	688,700	50,000	686,700	100,000	686,400	115,000	689,500	125,000
GR	688,400	150,000	687,500	163,000	678,500	195,000	678,700	200,000	679,700	205,000

GR	686,300	220,000	687,300	250,000	687,900	300,000	690,100	350,000	=0	=0
X1	30,500	0	=0	=0	50,000	50,000	50,000	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	690,500	690,500	=0
SB	0	1,500	2,500	0	6,700	0	34,900	0	=0	=0
X1	31,500	18,000	196,500	203,500	100,000	100,000	100,000	=0	=0	=0
X2	=0	=0	1,000	685,400	690,100	=0	=0	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	690,500	690,500	=0
BT	12,000	0	695,400	0	50,000	692,500	0	100,000	691,200	0
BT	150,000	690,200	0	196,500	690,000	682,000	198,000	690,000	684,700	200,000
BT	690,000	685,200	202,000	690,000	684,700	203,500	690,000	682,000	250,000	691,100
BT	0	300,000	692,800	0	350,000	695,200	0	=0	=0	=0
GR	696,500	0	688,700	50,000	686,700	100,000	686,400	115,000	689,500	125,000
GR	688,600	150,000	687,500	163,000	681,800	195,000	681,800	196,500	679,000	198,000
GR	678,500	200,000	679,000	202,000	681,800	203,500	681,500	205,000	686,300	220,000
GR	687,300	250,000	687,900	300,000	690,100	350,000	=0	=0	=0	=0
X1	32,000	14,000	130,000	160,000	50,000	50,000	50,000	=0	=0	=0
GR	695,100	0	692,000	30,000	692,000	50,000	687,400	100,000	685,300	130,000
GR	679,000	142,000	678,700	150,000	679,200	154,000	683,300	160,000	685,400	200,000
GR	684,700	250,000	685,900	300,000	688,700	335,000	696,000	350,000	=0	=0
X1	35,000	=0	=0	=0	300,000	300,000	300,000	=0	3,100	=0
QT	5,000	515,000	910,000	1060,000	1060,000	1370,000	=0	=0	=0	=0
X1	30,000	15,000	92,000	110,000	300,000	300,000	300,000	=0	-3,100	=0
GR	702,700	0	702,300	28,000	696,200	35,000	695,300	50,000	692,900	92,000
GR	688,100	96,000	688,000	100,000	688,400	106,000	691,500	110,000	692,200	150,000
GR	692,400	200,000	692,800	250,000	696,100	264,000	697,900	300,000	705,200	350,000
X1	41,000	=0	=0	=0	300,000	300,000	300,000	=0	3,100	=0
X1	48,500	16,000	42,000	58,000	750,000	750,000	750,000	=0	=0	=0
GR	708,300	0	700,100	25,000	699,500	42,000	695,800	46,000	694,500	50,000
GR	695,400	53,000	697,900	58,000	700,900	100,000	701,900	145,000	701,700	150,000
GR	701,800	200,000	701,600	225,000	697,000	255,000	701,500	270,000	700,000	300,000
GR	703,300	350,000	=0	=0	=0	=0	=0	=0	=0	=0
QT	5,000	365,000	650,000	760,000	760,000	990,000	=0	=0	=0	=0
X1	57,000	11,000	140,000	159,000	850,000	850,000	850,000	=0	=0	=0
GR	717,900	0	710,600	50,000	709,400	100,000	709,100	140,000	703,600	143,000
GR	703,400	150,000	703,600	155,000	708,200	159,000	707,700	200,000	711,700	250,000
GR	718,200	300,000	=0	=0	=0	=0	=0	=0	=0	=0
X1	57,800	=0	=0	=0	80,000	80,000	80,000	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	710,500	710,500	=0
SB	=0	1,500	2,500	=0	8,000	=0	52,000	=0	=0	=0
X1	58,500	11,000	246,000	254,000	70,000	70,000	70,000	=0	=0	=0
X2	=0	=0	1,000	710,000	710,300	=0	=0	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	710,500	710,500	=0
BT	11,000	0	724,100	0	50,000	721,000	0	100,000	717,800	0
BT	150,000	714,300	0	200,000	711,600	0	245,900	710,300	0	246,000
BT	710,300	710,000	254,000	710,300	710,000	254,100	710,300	0	300,000	711,000
BT	0	350,000	712,600	0	=0	=0	=0	=0	=0	=0
GR	727,000	0	718,800	50,000	713,400	100,000	709,200	150,000	708,300	200,000
GR	705,900	245,900	703,500	246,000	703,500	254,000	705,600	254,100	709,700	300,000
GR	714,700	350,000	=0	=0	=0	=0	=0	=0	=0	=0
X1	58,800	12,000	245,000	255,000	30,000	30,000	30,000	=0	=0	=0
GR	723,000	0	718,800	50,000	713,400	100,000	709,200	150,000	708,300	200,000
GR	705,900	245,000	704,000	247,000	703,500	250,000	703,600	253,000	705,600	255,000
GR	709,700	300,000	714,700	350,000	=0	=0	=0	=0	=0	=0
X1	59,500	=0	=0	=0	70,000	70,000	70,000	=0	=0	=0

17103

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIBUTARY L-5,500 YEAR 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	WSELK
191.90	-0	0	0	655.50	3800.00	670.10	2706.42	670.12	534.88	0	0	670.10
191.90	-0	0	0	655.50	7400.00	673.30	4926.33	673.33	569.94	0	0	673.30
191.90	-0	0	0	655.50	9600.00	676.70	7951.13	676.73	607.51	0	0	676.70
191.90	-0	0	0	655.50	17500.00	682.30	14409.47	682.34	665.31	0	0	682.30
A 7.50	750.00	0	0	661.30	600.00	670.26	389.22	670.27	324.42	0	0	0
7.50	750.00	0	0	661.30	1070.00	673.47	1268.19	673.48	368.86	0	0	0
7.50	750.00	0	0	661.30	1250.00	676.81	2679.66	676.81	388.75	0	0	0
7.50	750.00	0	0	661.30	1610.00	682.41	6088.90	682.41	435.01	0	0	0
11.50	400.00	0	0	663.60	600.00	670.41	107.85	670.54	209.85	0	0	0
11.50	400.00	0	0	663.60	1070.00	673.51	601.85	673.53	335.39	0	0	0
11.50	400.00	0	0	663.60	1250.00	676.82	1659.64	676.82	375.11	0	0	0
11.50	400.00	0	0	663.60	1610.00	682.41	4533.65	682.42	413.33	0	0	0
16.00	450.00	0	0	666.20	600.00	672.64	46.57	673.45	18.47	0	0	0
16.00	450.00	0	0	666.20	1070.00	672.83	49.69	675.18	18.79	0	0	0
16.00	450.00	0	0	666.20	1250.00	676.54	158.29	677.06	105.18	0	0	0
16.00	450.00	0	0	666.20	1610.00	682.39	795.95	682.45	142.50	0	0	0
B 20.00	400.00	0	0	668.50	600.00	676.78	78.22	677.16	34.40	0	0	0
20.00	400.00	0	0	668.50	1070.00	678.97	164.06	679.32	107.64	0	0	0
20.00	400.00	0	0	668.50	1250.00	678.97	165.37	679.45	107.43	0	0	0
20.00	400.00	0	0	668.50	1610.00	682.60	504.61	682.71	125.24	0	0	0
22.50	250.00	0	0	671.40	600.00	678.58	58.02	679.16	19.72	0	0	0
22.50	250.00	0	0	671.40	1070.00	680.24	93.03	681.21	58.67	0	0	0
22.50	250.00	0	0	671.40	1250.00	680.68	107.20	681.73	77.48	0	0	0
22.50	250.00	0	0	671.40	1610.00	682.86	234.23	683.27	110.86	0	0	0
25.00	250.00	0	0	676.50	600.00	681.07	69.00	681.42	36.26	0	0	0
25.00	250.00	0	0	676.50	1070.00	682.96	142.63	683.33	134.73	0	0	0
25.00	250.00	0	0	676.50	1250.00	683.41	174.53	683.77	146.03	0	0	0
25.00	250.00	0	0	676.50	1610.00	684.10	233.90	684.45	163.19	0	0	0
27.50	250.00	0	0	679.40	600.00	683.37	53.25	683.87	34.08	0	0	0
27.50	250.00	0	0	679.40	1070.00	684.77	93.29	685.40	39.19	0	0	0
27.50	250.00	0	0	679.40	1250.00	685.09	103.82	685.93	40.33	0	0	0
27.50	250.00	0	0	679.40	1610.00	685.62	128.07	686.62	128.90	0	0	0
C 28.00	50.00	0	0	679.40	600.00	684.07	70.52	684.36	36.46	0	0	0
28.00	50.00	0	0	679.40	1070.00	685.51	119.95	686.02	41.33	0	0	0
28.00	50.00	0	0	679.40	1250.00	685.91	137.13	686.50	41.75	0	0	0
28.00	50.00	0	0	679.40	1610.00	686.47	162.90	687.25	42.35	0	0	0
29.00	100.00	691.6	685.3	679.50	600.00	694.49	543.52	694.52	45.00	0	0	0
29.00	100.00	695.10	685.30	679.50	1070.00	693.71	484.58	693.78	45.00	0	0	0
29.00	100.00	695.10	685.30	679.50	1250.00	693.99	505.22	694.00	45.00	0	0	0
29.00	100.00	695.10	685.30	679.50	1610.00	694.45	540.55	694.62	45.00	0	0	0

42206

Sta 28+50
MODENA ST.

739
675
74

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CHANNEL TO	EG	TOPWID	STENCL	STENCH	WSELK		
D	29.50	50.00	0	0	680.60	600.00	694.52	31485.00	694.52	281.17	0	0	0
	29.50	50.00	0	0	680.60	1070.00	693.80	41268.89	693.81	280.22	0	0	0
	29.50	50.00	0	0	680.60	1250.00	694.11	51358.69	694.11	280.62	0	0	0
	29.50	50.00	0	0	680.60	1610.00	694.63	71521.53	694.64	281.33	0	0	0
E	35.00	550.00	0	0	683.70	600.00	694.53	727.33	694.54	287.46	0	0	0
	35.00	550.00	0	0	683.70	1070.00	693.67	578.44	693.88	276.08	0	0	0
	35.00	550.00	0	0	683.70	1250.00	694.18	646.47	694.20	282.11	0	0	0
	35.00	550.00	0	0	683.70	1610.00	694.73	775.41	694.76	289.60	0	0	0
37.00	200.00	0	0	685.20	600.00	694.55	3418.36	694.56	261.76	0	0	0	
	200.00	0	0	685.20	1070.00	693.96	41320.78	694.01	251.32	0	0	0	
	200.00	0	0	685.20	1250.00	694.28	5372.93	694.33	257.07	0	0	0	
	200.00	0	0	685.20	1610.00	694.84	7473.37	694.90	267.09	0	0	0	
39.50	250.00	0	0	687.20	600.00	694.57	115.21	694.73	88.95	0	0	0	
	250.00	0	0	687.20	1070.00	694.16	95.30	694.86	87.13	0	0	0	
	250.00	0	0	687.20	1250.00	694.47	109.66	695.21	88.47	0	0	0	
	250.00	0	0	687.20	1610.00	695.02	140.18	695.81	90.97	0	0	0	
F	41.50	200.00	0	0	688.70	600.00	695.23	77.43	695.56	85.24	0	0	0
	41.50	200.00	0	0	688.70	1070.00	696.32	128.02	696.73	90.02	0	0	0
	41.50	200.00	0	0	688.70	1250.00	696.68	148.95	697.11	91.53	0	0	0
	41.50	200.00	0	0	688.70	1610.00	697.29	188.08	697.76	94.34	0	0	0
G	54.50	1300.00	0	0	697.10	500.00	704.00	57.10	704.25	214.36	0	0	0
	54.50	1300.00	0	0	697.10	900.00	704.78	120.34	704.93	335.81	0	0	0
	54.50	1300.00	0	0	697.10	1050.00	704.98	144.62	705.12	345.22	0	0	0
	54.50	1300.00	0	0	697.10	1350.00	705.35	196.91	705.48	357.99	0	0	0
57.50	300.00	0	0	699.40	350.00	706.06	46.87	706.26	178.46	0	0	0	
	300.00	0	0	699.40	620.00	706.58	73.78	706.70	270.86	0	0	0	
	300.00	0	0	699.40	730.00	706.72	85.32	706.94	297.39	0	0	0	
	300.00	0	0	699.40	940.00	706.98	109.12	707.18	331.04	0	0	0	
62.00	450.00	0	0	703.00	350.00	708.96	39.26	709.27	84.03	0	0	0	
	450.00	0	0	703.00	620.00	709.85	70.90	710.11	136.64	0	0	0	
	450.00	0	0	703.00	730.00	710.07	83.00	710.34	148.30	0	0	0	
	450.00	0	0	703.00	940.00	710.41	104.47	710.69	166.19	0	0	0	
H	65.00	300.00	0	0	705.30	350.00	711.30	40.25	711.59	84.63	0	0	0
	65.00	300.00	0	0	705.30	620.00	712.14	70.84	712.41	136.57	0	0	0
	65.00	300.00	0	0	705.30	730.00	712.58	83.68	712.84	148.88	0	0	0
	65.00	300.00	0	0	705.30	940.00	712.77	108.95	713.02	169.58	0	0	0
I	75.00	1000.00	0	0	716.00	290.00	720.01	28.04	720.39	39.52	0	0	0
	75.00	1000.00	0	0	716.00	410.00	720.64	40.25	721.05	50.01	0	0	0
	75.00	1000.00	0	0	716.00	500.00	720.94	48.28	721.39	54.68	0	0	0
	75.00	1000.00	0	0	716.00	640.00	721.35	59.91	721.85	65.54	0	0	0

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO	FR	TOPWID	STENCI	STENCR	WSFLK
J	12.50	750.00	0	0	723.00	290.00	727.67	29.29	728.05	24.69	0	0
	12.50	750.00	0	0	723.00	410.00	728.31	40.54	728.80	30.86	0	0
	12.50	750.00	0	0	723.00	500.00	728.73	49.34	729.29	34.95	0	0
	12.50	750.00	0	0	723.00	640.00	729.33	63.48	729.96	40.63	0	0
K	91.00	850.00	0	0	734.40	290.00	737.41	24.93	737.78	25.36	0	0
	91.00	850.00	0	0	734.40	410.00	738.08	36.18	738.51	27.76	0	0
	91.00	850.00	0	0	734.40	500.00	738.50	44.35	738.98	29.26	0	0
	91.00	850.00	0	0	734.40	640.00	739.06	56.63	739.62	31.27	0	0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSFLK	TOPWID	T.W. DIFF	LENGTH
191.900	3800.000	670.100	0	0	0	530.883	0	-0
191.900	7400.000	673.301	3.200	0	0	569.945	-35.062	-0
191.900	9600.000	676.700	3.400	0	0	607.510	-72.631	-0
191.900	17500.000	682.300	5.600	0	0	665.310	-130.431	-0
7.500	600.000	670.262	0	.162	0	326.421	0	750.000
7.500	1070.000	674.070	3.208	.170	0	368.860	-42.444	750.000
7.500	1250.000	676.806	3.336	.106	0	388.746	-62.325	750.000
7.500	1610.000	682.410	5.603	.110	0	435.006	-108.585	750.000
11.500	600.000	670.406	0	.124	0	209.846	0	400.000
11.500	1070.000	673.514	3.109	.044	0	335.392	-125.546	400.000
11.500	1250.000	676.818	3.302	.012	0	375.107	-165.261	400.000
11.500	1610.000	682.413	5.595	.003	0	413.330	-203.484	400.000
16.000	600.000	672.643	0	2.238	0	18.472	0	450.000
16.000	1070.000	672.831	.188	-1.683	0	18.793	-1.322	450.000
16.000	1250.000	676.543	3.712	-.275	0	105.170	-86.708	450.000
16.000	1610.000	682.395	5.852	-.014	0	142.505	-124.033	450.000
20.000	600.000	676.779	0	4.136	0	30.399	0	400.000
20.000	1070.000	674.071	2.191	6.139	0	107.642	-73.243	400.000
20.000	1250.000	678.475	.004	2.432	0	107.428	-73.029	400.000
20.000	1610.000	682.601	3.626	.206	0	125.242	-90.843	400.000
22.500	600.000	678.578	0	1.799	0	19.723	0	250.000
22.500	1070.000	680.204	1.666	1.273	0	58.668	-38.944	250.000
22.500	1250.000	680.675	.431	1.700	0	77.478	-57.755	250.000
22.500	1610.000	682.865	2.189	.263	0	114.862	-95.139	250.000
25.000	600.000	681.072	0	2.494	0	36.264	0	250.000
25.000	1070.000	682.959	1.888	2.715	0	134.731	-98.468	250.000
25.000	1250.000	683.413	.454	2.738	0	146.020	-109.766	250.000
25.000	1610.000	684.102	.689	1.238	0	163.190	-124.930	250.000
27.500	600.000	683.373	0	2.301	0	34.076	0	250.000
27.500	1070.000	684.771	1.398	1.812	0	39.187	-5.111	250.000
27.500	1250.000	685.087	.314	1.674	0	40.330	-6.254	250.000
27.500	1610.000	685.617	.530	1.514	0	128.902	-94.826	250.000
28.000	600.000	684.023	0	.650	0	36.460	0	50.000
28.000	1070.000	685.508	1.485	.737	0	41.328	-4.867	50.000
28.000	1250.000	685.910	.402	.823	0	41.750	-5.290	50.000
28.000	1610.000	686.474	.565	.858	0	42.344	-5.885	50.000
29.000	600.000	694.493	0	10.470	0	45.000	0	100.000
29.000	1070.000	693.709	-.784	8.201	0	45.000	0	100.000
29.000	1250.000	693.987	.278	8.077	0	45.000	0	100.000

adjust
MWD

42207

29,000	1610,000	694,454	.467	7,479	0	45,000	0	100,000
29,500	600,000	694,517	0	.025	0	281,173	0	50,000
29,500	1070,000	693,801	<u>-.717</u>	.092	0	280,215	.95A	50,000
29,500	1250,000	694,105	.304	.119	0	280,622	.551	50,000
29,500	1610,000	694,633	.52A	.180	0	281,329	-.155	50,000
35,000	600,000	694,532	0	.014	0	287,450	0	550,000
35,000	1070,000	693,865	<u>-.667</u>	.064	0	276,485	10,970	550,000
35,000	1250,000	694,181	.317	.075	0	282,112	5,347	550,000
35,000	1610,000	694,720	.540	.09A	0	289,596	-2,13A	550,000
37,000	600,000	694,540	0	.01A	0	261,756	0	200,000
37,000	1070,000	693,956	<u>-.590</u>	.090	0	251,310	10,437	200,000
37,000	1250,000	694,278	.322	.09A	0	257,073	4,680	200,000
37,000	1610,000	694,830	.561	.110	0	267,095	-5,33A	200,000
39,500	600,000	694,570	0	.025	0	88,951	0	250,000
39,500	1070,000	694,164	<u>-.411</u>	.20A	0	87,130	1,821	250,000
39,500	1250,000	694,471	.307	.193	0	88,466	.485	250,000
39,500	1610,000	695,021	.550	.182	0	90,970	-2,023	250,000
41,500	600,000	695,233	0	.659	0	85,245	0	200,000
41,500	1070,000	696,321	1,08A	2,157	0	90,010	-4,774	200,000
41,500	1250,000	696,684	.363	2,213	0	91,635	-6,390	200,000
41,500	1610,000	697,293	.609	2,272	0	94,342	-9,097	200,000
54,500	500,000	703,995	0	8,762	0	214,35A	0	1300,000
54,500	900,000	704,783	.787	8,462	0	335,800	-121,451	1300,000
54,500	1050,000	704,976	.193	8,292	0	345,220	-130,862	1300,000
54,500	1350,000	705,355	.379	8,061	0	352,987	-138,629	1300,000
57,500	350,000	706,061	0	2,065	0	178,460	0	300,000
57,500	620,000	706,578	.517	1,795	0	270,861	-92,397	300,000
57,500	730,000	706,723	.146	1,748	0	297,393	-118,92A	300,000
57,500	940,000	706,981	.257	1,626	0	331,03A	-152,573	300,000
62,000	350,000	708,962	0	2,901	0	86,435	0	450,000
62,000	620,000	709,846	.880	3,268	0	136,63A	-50,203	450,000
62,000	730,000	710,070	.220	3,346	0	148,29A	-61,864	450,000
62,000	940,000	710,413	.343	3,432	0	166,192	-70,757	450,000
65,000	350,000	711,304	0	2,342	0	89,62A	0	300,000
65,000	620,000	712,142	.837	2,296	0	136,574	-46,045	300,000
65,000	730,000	712,377	.236	2,307	0	148,88A	-59,251	300,000
65,000	940,000	712,765	.388	2,352	0	169,570	-70,951	300,000
75,000	290,000	720,011	0	8,707	0	39,524	0	1000,000
75,000	410,000	720,636	.625	8,490	0	50,012	-14,860	1000,000
75,000	500,000	720,943	.307	8,566	0	50,684	-15,160	1000,000
75,000	640,000	721,350	.40A	8,585	0	55,530	-16,015	1000,000
82,500	290,000	727,671	0	7,660	0	20,68A	0	750,000
82,500	410,000	728,306	.635	7,670	0	30,855	-6,16A	750,000
82,500	500,000	728,734	.42A	7,791	0	34,953	-10,266	750,000
82,500	640,000	729,327	.593	7,976	0	40,634	-15,947	750,000
91,000	290,000	737,407	0	9,736	0	25,363	0	850,000
91,000	410,000	738,075	.660	9,769	0	27,756	-2,393	850,000
91,000	500,000	738,496	.421	9,762	0	20,250	-2,896	850,000
91,000	640,000	739,061	.565	9,730	0	31,271	-5,90A	850,000

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

1	0	0	28.787	0
2	0	0	36.672	7.955
3	0	0	39.568	10.852
4	0	0	43.383	14.666

42208