Floodway

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*********************************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
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T1      GASTONIA N C
T2      FLOOD INSURANCE
T3      TRIB R-4-1        100-YR Q

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0       4.        0         0         0         0         0         0     681.830     -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    26.000       -0        -0        -0
NC     .080     .080      .065      .100      .300       -0        -0        -0        -0        -0
GT    5.000   335.000   600.000   700.000   700.000   920.000       -0        -0        -0        -0
ET      -0       -0        -0        -0     10.400       -0        -0        -0        -0        -0

X1   10.500    16.000   239.000 250 260.000      -0       -0        -0        -0        -0        -0
GR  690.100        0   687.200    50.000   682.900   100.000   680.800   150.000   680.300   200.000
GR  681.200   239.000   672.900   245.000   672.500   250.000   673.100   257.000   681.800   260.000
GR  680.900   300.000   681.300   350.000   683.000   400.000   684.800   450.000   684.100   500.000
GR  690.000   550.000       -0       -0        -0       -0        -0        -0        -0        -0

X1    8.000    15.000    91.000 /80 106.000   400.000   400.000   400.000       -0        -0        -0
GR  697.500        0   697.600    28.000   694.700    50.000   685.700    82.000   684.200    91.000
GR  680.600    97.000   679.800   100.000   680.500   103.000   684.400   106.000   683.200   150.000
GR  683.400   200.000   684.400   232.000   687.500   250.000   691.700   270.000   693.900   300.000

X1    8.000        0         0         0   400.000   400.000   400.000       -0     5.300       -0

X1   12.000        0         0         0   400.000   400.000   400.000       -0     5.300       -0

X1   16.000        0         0         0   400.000   400.000   400.000       -0     5.300       -0

X1   20.000        0         0         0   400.000   400.000   400.000       -0     5.300       -0

X1   22.000   10.000    94.000 /80 106.000   200.000   200.000   200.000       -0       -0       -0
GR  729.600        0   714.600    50.000   708.300    94.000   705.000    95.000   704.000   100.000
GR  704.300   105.000   707.100   106.000   716.800   150.000   723.600   200.000   729.400   250.000
EJ      -0       -0        -0        -0        -0        -0        -0        -0        -0        -0
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HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
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T1       GASTONIA N C
T2       FLOOD INSURANCE
T3       TRIB R-4-1        FLOODWAY

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       -0       5.        -0        -0        -0        -0        -0        -0   682.830        -0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    15.000        -0        -0        -0        -0        -0        -0        -0        -0        -0
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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-4-1 FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
10.50	-0	0	0	672.50	700.00	681.83	137.03	681.97	240.11	0	0	3.37
10.50	-0	0	0	672.50	700.00	682.83	132.56	683.04	33.12	226.87	260.00	3.71
4.00	400.00	0	0	679.80	700.00	684.56	40.89	685.02	144.03	0 /00	0	7.24
4.00	400.00	0	0	679.80	700.00	685.54	36.26	686.70	35.97	91.00	126.97	9.38
8.00	400.00	0	0	685.10	700.00	690.50	77.41	690.65	151.60	0	0	4.34
8.00	400.00	0	0	685.10	700.00	691.79	86.39	692.01	61.41	91.00	152.42	4.40
12.00	400.00	0	0	690.40	700.00	695.31	48.62	695.64	145.86	0	0	6.29
12.00	400.00	0	0	690.40	700.00	696.17	41.06	697.03	43.93	91.00	134.93	8.33
16.00	400.00	0	0	695.70	700.00	700.99	70.72	701.17	150.38	0	0	4.67
16.00	400.00	0	0	695.70	700.00	702.28	78.97	702.53	59.24	91.00	150.24	4.75
20.00	400.00	0	0	701.00	700.00	706.00	53.42	706.29	146.92	0	0	5.83
20.00	400.00	0	0	701.00	700.00	706.93	47.22	707.57	47.79	91.00	138.79	7.38
22.00	200.00	0	0	704.00	700.00	709.82	39.38	711.15	34.91	0 /00	0	9.83
22.00	200.00	0	0	704.00	700.00	711.11	44.98	712.37	12.00	94.00	106.00	9.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
10.500	700.000	681.830	0	0	0	240.112	0	-0
10.500	700.000	682.830	1.000	0	0	33.125	206.987	-0
4.000	700.000	684.555	0	2.725	0	144.032	0	400.000
4.000	700.000	685.535	.980	2.705	0	35.973	108.059	400.000
8.000	700.000	690.500	0	5.945	0	151.601	0	400.000
8.000	700.000	691.794	1.294	6.258	0	61.415	90.186	400.000
12.000	700.000	695.306	0	4.806	0	145.862	0	400.000
12.000	700.000	696.169	.864	4.375	0	43.933	101.929	400.000
16.000	700.000	700.987	0	5.682	0	150.379	0	400.000
16.000	700.000	702.280	1.293	6.111	0	59.240	91.139	400.000
20.000	700.000	705.998	0	5.011	0	146.918	0	400.000
20.000	700.000	706.925	.927	4.645	0	47.789	99.130	400.000
22.000	700.000	709.815	0	3.817	0	34.907	0	200.000
22.000	700.000	711.109	1.294	4.184	0	12.001	22.906	200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	7.629	0
2	4.000	.225	2.350	-5.279

PLOT

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*****************************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
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PROFILE PLOTTED 5-7-76 BY S.P. FLETCHER

CROSS-SECTIONS & FLOOD LINES PLOTTED 5-17-76 ON 1:400 MAP. S.P. FLETCHER

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T1      GASTONIA N C                                    TRTB, R-4-1
T2      FLOOD INSURANCE
T3      TRIB R-4-1        10-YR Q

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     0         WSEL      FQ

        0       2.        0         0         0         0         0         0   681.830     -0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

      1.000       -0        -0        -0        -0        -0        -0        -0        -0        -0

NC      .080      .080      .065      .100      .300        -0        -0        -0        -0        -0
GT     5.000   335.000   600.000   700.000   700.000   920.000        -0        -0        -0        -0

X1    10.500    16.000   239.000   260.000        -0        -0        -0        -0        -0        -0
GR   690.100         0   687.200    50.000   682.900   100.000   680.800   150.000   680.300   200.000
GR   681.200   239.000   672.900   243.000   672.500   250.000   673.100   257.000   681.800   260.000
GR   680.900   300.000   681.300   350.000   683.000   400.000   684.800   450.000   684.100   500.000
GR   690.000   550.000        -0        -0        -0        -0        -0        -0        -0        -0

X1     8.000    15.000    91.000   106.000   400.000   400.000   400.000        -0        -0        -0
GR   697.500         0   697.600    28.000   694.700    50.000   685.700    82.000   684.200    91.000
GR   680.600    97.000   679.800   100.000   680.500   103.000   684.400   106.000   683.200   150.000
GR   683.400   200.000   684.400   232.000   687.500   250.000   691.700   270.000   693.500   300.000

X1     8.000         0         0         0   400.000   400.000   400.000        -0     5.300        -0

X1    12.000         0         0         0   400.000   400.000   400.000        -0     5.300        -0

X1    16.000         0         0         0   400.000   400.000   400.000        -0     5.300        -0

X1    20.000         0         0         0   400.000   400.000   400.000        -0     5.300        -0

X1    22.000    10.000    94.000   106.000   200.000   200.000   200.000        -0        -0        -0
GR   729.600         0   714.600    50.000   708.300    94.000   705.000    95.000   704.000   100.000
GR   704.300   105.000   707.100   106.000   716.800   150.000   723.600   200.000   729.400   250.000
EJ       -0        -0        -0        -0        -0        -0        -0        -0        -0        -0
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*********************************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
*********************************************


T1      GASTONIA N C
T2      FLOOD INSURANCE
T3      TRIB R-4-1        50-YR Q

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0      3.        0         0         0         0         0         0      483.900     -0
J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
      2.000      -0        -0        -0        -0        -0        -0        -0        -0        -0
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*****************************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
*****************************************


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

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0       4.        0         0         0         0         0         0   484.560      -0
J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
    3.000       -0        -0        -0        -0        -0        -0        -0        -0        -0
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*****************************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 52,53,54,55,56,57,58
*****************************************


T1      GASTONIA N C
T2      FLOOD INSURANCE
T3      TRIB A-4-1      500-YR Q

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

        0      0.        0         0         0         0         0         0     686.580     -0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNTM     ITRACE

     15.000      -0        -0        -0        -0        -0        -0        -0        -0        -0
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LTH- 2200'

710.5
672.5
38.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

TRIB R-4-1 500-YR Q

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	CRIWS	EG	TOPWID	10K*S	TIME	VOL
10.50		-0	0	0	672.50	335.00	681.83	0	681.86	240.11	5.98	0	0
10.50		-0	0	0	672.50	600.00	683.90	0	683.91	336.63	2.08	0	0
10.50		-0	0	0	672.50	700.00	684.56	0	684.57	399.39	1.56	0	0
10.50		-0	0	0	672.50	920.00	686.58	0	686.58	463.81	.61	0	0
4.00		400.00	0	0	679.80	335.00	684.03	684.03	684.41	115.09	234.60	.02	1.98
4.00		400.00	0	0	679.80	600.00	684.38	684.38	684.89	140.39	331.28	.02	4.96
A 4.00		400.00	0	0	679.80	700.00	684.53	684.53	685.02	143.77	308.75	.02	6.16
4.00		400.00	0	0	679.80	920.00	686.61	0	686.67	166.02	21.79	.06	11.74
8.00		400.00	0	0	685.10	335.00	689.74	0	689.88	142.66	88.75	.06	3.08
8.00		400.00	0	0	685.10	600.00	690.36	0	690.50	150.00	76.26	.06	6.68
8.00		400.00	0	0	685.10	700.00	690.51	0	690.66	151.79	79.57	.06	8.09
8.00		400.00	0	0	685.10	920.00	690.02	690.02	690.60	145.93	353.76	.08	14.80
12.00		400.00	0	0	690.40	335.00	694.70	0	695.01	120.24	197.01	.09	4.22
12.00		400.00	0	0	690.40	600.00	695.12	0	695.49	143.49	230.65	.09	8.49
12.00		400.00	0	0	690.40	700.00	695.29	0	695.64	145.65	215.48	.08	10.12
12.00		400.00	0	0	690.40	920.00	696.18	0	696.35	154.18	76.66	.11	17.12
16.00		400.00	0	0	695.70	335.00	700.29	0	700.44	141.91	98.59	.13	5.33
16.00		400.00	0	0	695.70	600.00	700.86	0	701.02	148.83	91.59	.12	10.24
16.00		400.00	0	0	695.70	700.00	701.01	0	701.18	150.82	95.91	.12	12.08
16.00		400.00	0	0	695.70	920.00	700.85	0	701.23	148.80	216.38	.13	19.59
20.00		400.00	0	0	701.00	335.00	705.35	0	705.63	123.77	175.02	.16	6.47
20.00		400.00	0	0	701.00	600.00	705.82	0	706.12	144.40	185.55	.15	12.06
20.00		400.00	0	0	701.00	700.00	705.99	0	706.28	146.81	174.89	.15	14.10
20.00		400.00	0	0	701.00	920.00	706.62	0	706.82	154.32	97.08	.17	21.96
22.00		200.00	0	0	704.00	335.00	708.73	0	709.37	29.54	188.73	.17	6.85
B 22.00		200.00	0	0	704.00	600.00	709.67	0	710.76	33.13	265.23	.16	12.64
22.00		200.00	0	0	704.00	700.00	709.83	709.68	711.15	35.17	309.97	.15	14.76
22.00		200.00	0	0	704.00	920.00	710.47	710.47	711.94	42.48	314.65	.17	22.89

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
10.500	335.000	681.830	0	0	0	240.112	0	-0
10.500	600.000	683.900	2.070	0	0	336.628	-96.516	-0
10.500	700.000	684.560	.660	0	0	399.391	-159.279	-0
10.500	920.000	686.580	2.020	0	0	463.808	-223.696	-0
4.000	335.000	684.031	0	2.201	0	115.086	0	400.000
4.000	600.000	684.376	.345	.476	0	140.393	-25.307	400.000
4.000	700.000	684.533	.157	-.027	0	143.769	-28.682	400.000
4.000	920.000	686.609	2.076	.029	0	166.016	-50.929	400.000
8.000	335.000	689.739	0	5.708	0	142.656	0	400.000
8.000	600.000	690.363	.624	5.987	0	150.000	-7.344	400.000
8.000	700.000	690.505	.142	5.972	0	151.791	-9.135	400.000
8.000	920.000	690.016	-.490	3.407	0	145.927	-3.271	400.000
12.000	335.000	694.701	0	4.962	0	120.235	0	400.000
12.000	600.000	695.123	.421	4.760	0	143.685	-23.450	400.000

18.000	920.000	696.184	.894	6.169	0	156.181	-35.945	400.000
16.000	335.000	700.288	0	5.586	0	141.909	0	400.000
16.000	600.000	700.861	.574	5.739	0	148.834	-6.925	400.000
16.000	700.000	701.005	.144	5.715	0	150.520	-8.611	400.000
16.000	920.000	700.854	-.151	4.670	0	148.804	-6.895	400.000
20.000	335.000	705.350	0	5.063	0	123.765	0	400.000
20.000	600.000	705.820	.470	4.950	0	144.800	-21.035	400.000
20.000	700.000	705.989	.169	4.984	0	146.814	-23.049	400.000
20.000	920.000	706.624	.636	5.770	0	154.325	-30.560	400.000
22.000	335.000	708.733	0	3.383	0	22.537	0	200.000
22.000	600.000	709.665	.932	3.845	0	33.131	-10.595	200.000
22.000	700.000	709.833	.168	3.845	0	35.166	-12.630	200.000
22.000	920.000	710.473	.640	3.849	0	42.476	-19.939	200.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0	0	6.781	0
2	0	0	7.972	1.191
3	0	0	8.359	1.579
4	0	0	8.955	2.174