```
**************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
MODIFICATIONS 52,53,54,55,56,57,58,59
**************************
```

```
T1      TRANSYLVANIA CO                                                                                  5
T2      100 YEAR                                                                                         0
T3      CARSON CREEK 2-5-76 SFA                                                                          0

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ
      0.      6.       0.       0.   0.0          0.0      0.0      0.   2138.960  0.0                  20
J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE
    0.0       0.0      -1.000   0.0      0.0      0.0      0.0      0.0      0.0      15.000   0.000

J3    1.000   34.000   36.000   4.000    27.000   28.000   9.000    0.0      0.0      0.0      0
NC    0.060   0.080    0.045    0.100    0.500    0.0      0.0      0.0      0.0      0.0      25
CT    6.000   570.000  1605.000 2030.000 3205.000 2030.000 2030.000 0.0      0.0      0.0      30
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    440.000  580.000  0.0      35

X1    0.220   34.000   500.000  525.000  0.0      0.0      0.0      0.0      0.0      0.0      40
GR    2162.000 18.000  2152.300 44.000   2147.000 68.000   2140.800 78.000   2142.300 80.000   45
      2144.600 93.000  2144.500 100.000  2142.500 104.000  2138.800 152.000  2139.900 200.000  50
GR    2140.400 215.000 2138.000 300.000  2137.800 400.000  2138.100 500.000  2133.700 502.000  55
GR    2132.200 512.000 2133.700 520.000  2137.000 525.000  2137.300 545.000  2137.600 600.000  60
GR    2137.600 660.000 2137.600 671.000  2137.500 682.000  2137.800 700.000  2137.700 800.000  65
GR    2138.100 900.000 2138.700 1000.000 2139.600 1100.000 2140.200 1115.000 2140.200 1120.000 70
GR    2140.800 1128.000 2141.600 1200.000 2146.700 1300.000 2153.100 1381.000 0.0      0.0      75
NC    0.090   0.070    0.045    0.100    0.500    0.0      0.0      0.0      0.0      0.0      80
CT    6.000   550.000  1550.000 1950.000 3000.000 1950.000 1950.000 0.0      0.0      0.0      85
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    585.000  645.000  0.0      90

X1    0.410   16.000   600.000  630.000  1000.000 1000.000 1000.000 0.0      -6.700   0.0      95
GR    2170.000 0.0     2156.600 200.000  2152.700 400.000  2151.100 560.000  2151.500 590.000  100
GR    2151.700 600.000 2147.700 601.000  2146.700 602.000  2143.500 612.000  2144.900 623.000  105
GR    2150.000 626.000 2152.000 630.000  2153.200 700.000  2158.200 900.000  2166.700 982.000  110
GR    2173.000 1684.000 0.0     0.0      0.0      0.0      0.0      0.0      0.0      0.0      115
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    585.000  645.000  0.0      117

X1    0.500   0.0      0.0      0.0      500.000  500.000  500.000  0.0      6.700    0.0      116
NC    0.100   0.090    0.060    0.100    0.500    0.0      0.0      0.0      0.0      0.0      120
CT    6.000   905.000  1470.000 1825.000 2875.000 1825.000 1825.000 0.0      0.0      0.0      125
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    440.000  540.000  0.0      130

X1    0.680   16.000   475.000  502.000  1025.000 1025.000 1025.000 0.0      -16.000  0.0      135
      2200.600 40.000  2190.600 100.000  2185.000 200.000  2184.800 218.000  2183.500 300.000  140
GR    2182.200 400.000 2181.800 475.000  2177.800 480.000  2177.000 490.000  2177.800 498.000  145
GR    2180.500 500.000 2181.600 502.000  2182.800 600.000  2185.900 700.000  2187.800 768.000  150
GR    2201.500 910.000 0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      155
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    430.000  550.000  0.0      156
ET    0.0     0.0      0.0      0.0      0.0      0.0      8.100    440.000  540.000  0.0      130
```

X1	0.770	0.0	0.0	0.0	475.000	475.000	475.000	0.0	16.000	0.0	157
NC	0.150	0.100	0.060	0.100	0.500	0.0	0.0	0.0	0.0	0.0	160
QT	6.000	890.000	1430.000	1750.000	2800.000	1750.000	1750.000	0.0	0.0	0.0	165
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	140.000	200.000	0.0	170
	0.920	12.000	150.000	171.000	750.000	750.000	750.000	0.0	0.0	0.0	175
GR	2215.000	14.000	2207.800	23.000	2207.400	50.000	2204.500	150.000	2200.000	154.000	180
GR	2199.000	160.000	2200.100	168.000	2202.700	170.000	2204.000	171.000	2202.600	250.000	185
GR	2202.700	262.000	2215.000	375.000	0.0	0.0	0.0	0.0	0.0	0.0	190
NC	0.150	0.100	0.060	0.100	0.500	0.0	0.0	0.0	0.0	0.0	195
QT	6.000	865.000	1400.000	1700.000	2750.000	1700.000	1700.000	0.0	0.0	0.0	200
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	72.000	120.000	0.0	205
X1	1.030	12.000	74.000	100.000	500.000	500.000	500.000	0.0	0.0	0.0	210
GR	2236.300	50.000	2226.100	61.000	2214.300	74.000	2209.000	79.000	2208.400	82.000	215
GR	2209.100	95.000	2214.200	100.000	2215.600	140.000	2214.600	200.000	2218.800	300.000	220
GR	2225.100	336.000	2230.100	382.000	0.0	0.0	0.0	0.0	0.0	0.0	225
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230

```
*****************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 DIFICATIONS 52,53,54,55,56,57,58,59
*****************************
```

T1	TRANSYLVANIA CO	235
T2	100 YEAR FLOODWAY	0
T3	CARSON CREEK 2-5-76 SFA	0

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	7.	0.	0.	0.0	0.0	0.0	0.	2139.960	0.0	250

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	15.000	0.000

```
**************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
MODIFICATIONS 52,53,54,55,56,57,58,59
**************************

T1      TRANSYLVANIA CO                                                          285
T2      500 YEAR                                                                 290
T3      CARSON CREEK 11-16-76 SFA                                                295

J1  ICHECK    INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ
        0.      5.      0.      0.  0.004980  0.0     0.0     0.      0.0     0.0                                                  300
J2  NROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE
    15.000  0.0     -1.000  0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.000
```

```
**************************
HEC2        VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 CODIFICATIONS 52,53,54,55,56,57,58,59
**************************

T1      TRANSYLVANIA CO                                                                                    260
T2      100 YEAR                                                                                           265
T3      CARSON CREEK 11-16-76 SFA                                                                          270

J1  ICHECK    INQ     NINV    IDIR    STRT      METRIC    HVINS     Q       WSEL      FQ
        0.      4.      0.      0.  0.004980    0.0       0.0       0.      0.0       0.0                275

J2  NPROF     IFLCT   PRFVS   XSECV   XSECH     FN        ALLOC     IBW     CHNIM     ITRACE
    3.000     0.0     -1.000  0.0     0.0       0.0       0.0       0.0     0.0       0.0       0.000
```

```
*************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
MODIFICATIONS 52,53,54,55,56,57,58,59
*************************
```

```
T1      TRANSYLVANIA CO                                                                                  235
T2      50 YEAR                                                                                          240
T3      CARSON CREEK 11-16-76 SFA                                                                        245

J1  ICHECK    INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ
        0.    -1.7    0.      0.      0.004980 0.0    0.0     0.      -0.0    0.0                      250
                                                                      21.1.76
J2  NPROF     IPLOT   PRFVS   XSECV   XSECH   FN      ALLOC   IBW     CHNIM   ITRACE
    2.000     0.0     -1.000  0.0     0.0     0.0     0.0     0.0     0.0     -0.0    0.000
                                                                                  15
```

```
**************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
MODIFICATIONS 52,53,54,55,56,57,58,59
**************************
```

```
T1      TRANSYLVANIA CO                                                                                  5
T2      10 YEAR                                                                                         10
T3      CARSON CREEK 11-16-76 SFA                                                                       15

J1  ICHECK    INC      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ                20
    0.        -2.6     0.       0.       0.004580 0.       0.0      0.       -123.74  0.0
NC  0.060     0.080    0.045    0.100    0.500    0.0      0.0      0.0      0.0      0.0               25
QT  6.000     970.000  1605.000 2030.000 3205.000 2030.000 2030.000 0.0      0.0      0.0               30
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               35
                                                                     (445)    (32)
X1  0.220     34.000   500.000  525.000  0.0      0.0      0.0      0.0      0.0      0.0               40
GR  2162.000  18.000   2152.300 44.000   2147.000 68.000   2140.800 78.000   2142.300 80.000            45
GR  2144.600  93.000   2144.500 100.000  2142.500 104.000  2138.800 152.000  2139.900 200.000           50
GR  2140.400  215.000  2138.000 300.000  2137.800 400.000  2138.100 500.000  2133.700 502.000           55
GR  2132.200  512.000  2133.700 520.000  2137.000 525.000  2137.300 545.000  2137.600 600.000           60
GR  2137.600  660.000  2137.600 671.000  2137.500 682.000  2137.800 700.000  2137.700 800.000           65
GR  2138.100  900.000  2139.700 1000.000 2139.600 1100.000 2140.200 1115.000 2140.200 1120.000          70
GR  2140.800  1128.000 2141.600 1200.000 2146.700 1300.000 2153.100 1381.000 0.0      0.0               75
NC  0.090     0.070    0.045    0.100    0.500    0.0      0.0      0.0      0.0      0.0               80
QT  6.000     950.000  1550.000 1950.000 3000.000 1950.000 1950.000 0.0      0.0      0.0               85
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               90
                                                                     (585)    (645)
X1  0.410     16.000   600.000  630.000  1000.000 1000.000 1000.000 0.0      -6.700   0.0               95
GR  2170.000  0.0      2156.600 200.000  2152.700 400.000  2151.100 560.000  2151.500 590.000           100
GR  2151.700  600.000  2147.700 601.000  2146.700 602.000  2143.500 612.000  2144.900 623.000           105
GR  2150.000  626.000  2152.000 630.000  2153.200 700.000  2158.200 900.000  2166.700 982.000           110
GR  2173.000  1084.000 0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0               115
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               117
                                                                     (535)    (445)
X1  0.500     0.0      0.0      0.0      500.000  500.000  500.000  0.0      6.700    0.0               116
NC  0.100     0.090    0.060    0.100    0.500    0.0      0.0      0.0      0.0      0.0               120
QT  6.000     905.000  1470.000 1825.000 2875.000 1825.000 1825.000 0.0      0.0      0.0               125
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               130
                                                                     (425)    (535)
X1  0.680     16.000   475.000  502.000  1025.000 1025.000 1025.000 0.0      -16.000  0.0               135
GR  2200.800  40.000   2190.800 100.000  2185.000 200.000  2184.800 218.000  2183.500 300.000           140
GR  2182.200  400.000  2181.800 475.000  2177.800 480.000  2177.000 490.000  2177.800 498.000           145
GR  2180.900  500.000  2181.600 502.000  2182.800 600.000  2185.900 700.000  2187.800 768.000           150
GR  2201.500  910.000  0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0               155
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               156
                                                                     (415)    (555)
X1  0.770     0.0      0.0      0.0      475.000  475.000  475.000  0.0      16.000   0.0               157
NC  0.150     0.100    0.060    0.100    0.500    0.0      0.0      0.0      0.0      0.0               160
QT  6.000     890.000  1430.000 1750.000 2800.000 1750.000 1750.000 0.0      0.0      0.0               165
ET  0.0       0.0      0.0      0.0      0.0      0.0      8.100    0.0      0.0      0.0               170
                                                                     (145)    (245)
```

X1	0.920	12.000	150.000	171.000	750.000	750.000	750.000	0.0	0.0	0.0	175
GR	2215.000	14.000	2207.800	23.000	2207.400	50.000	2204.500	150.000	2200.000	154.000	180
GR	2199.000	160.000	2200.100	168.000	2202.700	170.000	2204.000	171.000	2202.600	250.000	185
GR	2202.700	262.000	2215.000	375.000	0.0	0.0	0.0	0.0	0.0	0.0	190
NC	0.150	0.100	0.060	0.100	0.500	0.0	0.0	0.0	0.0	0.0	195
QT	6.000	865.000	1400.000	1700.000	2750.000	1700.000	1700.000	0.0	0.0	0.0	200
T	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	205
								72	1		
X1	1.030	12.000	74.000	100.000	500.000	500.000	500.000	0.0	0.0	0.0	210
GR	2236.300	50.000	2226.100	61.000	2214.300	74.000	2209.000	79.000	2208.400	82.000	215
GR	2209.100	95.000	2214.200	100.000	2215.600	140.000	2214.600	200.000	2218.800	300.000	220
GR	2225.100	336.000	2230.100	382.000	0.0	0.0	0.0	0.0	0.0	0.0	225
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

ARSON CREEK 11-16-76 SF

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
0.22	0.0	0.0	0.0	2132.20	970.00	2138.29	2138.29	2138.66	642.15	49.28	0.0	0.0
0.22	0.0	0.0	0.0	2132.20	1605.00	2138.74	0.0	2139.04	730.19	48.94	0.0	0.0
0.22	0.0	0.0	0.0	2132.20	2030.00	2138.96	0.0	2139.24	771.33	49.49	0.0	0.0
0.22	0.0	0.0	0.0	2132.20	3205.00	2139.46	0.0	2139.72	873.89	48.92	0.0	0.0
0.41	1000.00	0.0	0.0	2136.80	950.00	2143.78	0.0	2144.53	26.67	66.40	0.04	6.44
0.41	1000.00	0.0	0.0	2136.80	1550.00	2144.95	2143.27	2146.21	120.17	98.41	0.03	10.62
0.41	1000.00	0.0	0.0	2136.80	1950.00	2145.43	2144.10	2146.92	180.93	111.66	0.03	13.35
0.41	1000.00	0.0	0.0	2136.80	3000.00	2146.87	2146.87	2147.85	359.76	72.77	0.04	22.77
0.50	500.00	0.0	0.0	2143.50	950.00	2148.72	0.0	2150.38	24.51	205.05	0.05	7.75
0.50	500.00	0.0	0.0	2143.50	1550.00	2150.76	0.0	2152.56	27.28	153.95	0.04	12.55
0.50	500.00	0.0	0.0	2143.50	1950.00	2151.68	2150.74	2153.64	125.47	152.67	0.04	16.03
0.50	500.00	0.0	0.0	2143.50	3000.00	2153.43	2153.43	2154.56	347.13	83.02	0.06	30.22
0.68	1025.00	0.0	0.0	2161.00	905.00	2166.57	2166.35	2167.24	209.18	132.24	0.10	11.21
0.68	1025.00	0.0	0.0	2161.00	1470.00	2167.21	2167.21	2167.91	291.17	139.45	0.09	18.55
0.68	1025.00	0.0	0.0	2161.00	1825.00	2167.57	0.0	2168.21	329.47	129.51	0.09	23.98
0.68	1025.00	0.0	0.0	2161.00	2875.00	2168.10	2168.10	2168.86	379.82	158.81	0.10	45.38
0.77	475.00	0.0	0.0	2177.00	905.00	2182.38	2182.38	2183.23	179.35	169.02	0.12	13.21
0.77	475.00	0.0	0.0	2177.00	1470.00	2183.19	2183.19	2183.91	288.69	144.07	0.11	22.50
0.77	475.00	0.0	0.0	2177.00	1825.00	2183.42	2183.42	2184.21	314.31	159.34	0.11	28.93
0.77	475.00	0.0	0.0	2177.00	2875.00	2183.99	2183.99	2184.86	369.78	181.69	0.12	52.42
0.92	750.00	0.0	0.0	2199.00	890.00	2204.32	2204.32	2205.01	126.68	200.36	0.15	16.30
0.92	750.00	0.0	0.0	2199.00	1430.00	2204.92	2204.92	2205.77	146.76	232.98	0.14	27.96
0.92	750.00	0.0	0.0	2199.00	1750.00	2205.27	2205.27	2206.15	162.17	229.42	0.14	35.47
0.92	750.00	0.0	0.0	2199.00	2800.00	2205.90	2205.90	2207.14	189.73	299.98	0.15	61.59
1.03	500.00	0.0	0.0	2208.40	865.00	2213.98	0.0	2214.99	25.48	192.40	0.17	18.04
1.03	500.00	0.0	0.0	2208.40	1400.00	2215.29	2214.29	2216.67	116.24	194.65	0.16	30.57
1.03	500.00	0.0	0.0	2208.40	1700.00	2215.98	2215.98	2217.18	160.77	157.67	0.16	38.96
1.03	500.00	0.0	0.0	2208.40	2750.00	2217.11	2217.11	2218.33	188.86	154.19	0.17	66.86

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-HSELK	TOPWID	T.W. DIFF	LENGTH
0.220	970.000	2138.291	0.0	0.0	0.0	642.155	0.0	0.0
0.220	1605.000	2138.736	0.446	0.0	0.0	730.179	-88.024	0.0
0.220	2030.000	2138.956	0.220	0.0	0.0	771.332	-129.177	0.0
0.220	3205.000	2139.461	0.505	0.0	0.0	873.889	-231.734	0.0
0.410	950.000	2143.779	0.0	5.489	0.0	26.667	0.0	1000.000
0.410	1550.000	2144.947	1.168	6.211	0.0	120.170	-93.503	1000.000
0.410	1950.000	2145.432	0.484	6.476	0.0	180.927	-154.259	1000.000
0.410	3000.000	2146.873	1.441	7.412	0.0	359.761	-333.094	1000.000
0.500	950.000	2148.720	0.0	4.941	0.0	24.506	0.0	500.000
0.500	1550.000	2150.756	2.035	5.808	0.0	27.276	-2.770	500.000
0.500	1950.000	2151.682	0.926	6.250	0.0	125.466	-100.960	500.000
0.500	3000.000	2153.434	1.753	6.561	0.0	347.125	-322.619	500.000
0.680	905.000	2166.566	0.0	17.846	0.0	209.176	0.0	1025.000
0.680	1470.000	2167.212	0.646	16.456	0.0	291.173	-81.997	1025.000

0.680	2875.000	2168.100	0.528	14.666	0.0	379.817	-170.641	1025.000
0.770	905.000	2182.378	0.0	15.812	0.0	179.349	0.0	475.000
0.770	1470.000	2183.189	0.811	15.978	0.0	288.694	-109.344	475.000
0.770	1825.000	2183.424	0.234	15.852	0.0	314.306	-134.956	475.000
0.770	2875.000	2183.994	0.571	15.894	0.0	369.783	-190.434	475.000
0.920	850.000	2204.315	0.0	21.938	0.0	126.684	0.0	750.000
0.920	1430.000	2204.917	0.601	21.728	0.0	146.761	-20.077	750.000
0.920	1750.000	2205.270	0.353	21.846	0.0	162.168	-35.484	750.000
0.920	2800.000	2205.900	0.631	21.906	0.0	189.731	-63.047	750.000
1.030	865.000	2213.976	0.0	9.661	0.0	25.479	0.0	500.000
1.030	1400.000	2215.286	1.310	10.369	0.0	116.238	-90.759	500.000
1.030	1700.000	2215.982	0.696	10.712	0.0	160.766	-135.287	500.000
1.030	2750.000	2217.109	1.128	11.209	0.0	188.865	-163.385	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	16.346	0.0
2	0.0	0.0	22.773	6.427
3	0.0	0.0	27.507	11.160
4	0.0	0.0	37.847	21.500