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

J1	ICHECK	INC	NINV	ICIR	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
QT	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
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	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
QT	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	628.000	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	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	115
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	505.000	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
	2200.800	40.000	2150.800	100.000	2185.000	200.000	2184.800	219.000	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	510.000	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

XI	0.770	0.0	0.0	0.0	475.000	475.000	475.000	0.0	16.000	0.0	157
NC	[illegible]	0.100	0.060	0.100	0.500	[illegible]	0.0	0.0	0.0	0.0	160
OT	6[illegible]	890.000	1430.000	1750.000	2800.000	17[illegible].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
OT	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
XI	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

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**************************
HEC2      VERSICN UPDATED AUG 1976
ERROR CORRECTICNS 01,02,03,04,05,06,07,08,09,10
MODIFICATICNS 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    INN     NINV    ICIR    STRT    METRIC  HVINS   0       WSEL    FQ

        0.      6.      C.      C.  0.0         0.0     0.0     0.  2138.960  0.0                          20

J2  NPRCF     IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

        C.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
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     C.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
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 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      C.090   0.070   C.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      C.C     0.0     C.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 1084.000 C.C   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     C.0     0.0     500.000 500.000 500.000 0.0     6.700   0.0     116
NC      0.100   0.090   C.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   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
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      2201.500 510.000 C.0    0.0     0.0     0.0     0.0     0.0     0.0     0.0     155
ET      0.C     0.0     0.0     0.0     0.0     0.0     8.100   430.000 550.000 0.0     156
ET      0.0     0.0     C.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
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
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

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**************************
HEC2      VERSICN UPDATED AUG 1976
ERROR CORRECTICNS 01,02,03,04,05,C6,07,C8,09,10
MCDIFICATICNS 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    INC       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.       7.        C.        0.  0.0         0.0       0.0       0.  2139.960    0.0                250

J2  NPROF     IPLCT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    15.00C    0.0       -1.000    0.0       0.0       0.0       0.0       0.0       0.0       15.000    0.000
```

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

CARSON CREEK 2-5-76 SFA

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	PERENC	TOPWID	STENCL	STENCR	WSELK
0.22	0.0	0.0	0.0	2132.20	2030.00	2138.96	289.52	0.0	772.00	0.0	0.0	2138.96
0.22	0.0	0.0	0.0	2132.20	2030.00	2139.96	255.08	140.00	140.00	440.00	580.00	2139.96
0.41	1000.00	0.0	0.0	2136.80	1950.00	2145.42	193.83	0.0	179.35	0.0	0.0	0.0
0.41	1000.00	0.0	0.0	2136.80	1950.00	2146.41	231.39	60.00	60.00	585.00	645.00	0.0
0.50	500.00	0.0	0.0	2143.50	1950.00	2151.69	158.44	0.0	127.53	0.0	0.0	0.0
0.50	500.00	0.0	0.0	2143.50	1950.00	2151.28	141.93	60.00	28.45	585.00	645.00	0.0
0.68	1025.00	0.0	0.0	2161.00	1825.00	2167.57	159.63	0.0	328.84	0.0	0.0	0.0
0.68	1025.00	0.0	0.0	2161.00	1825.00	2168.23	167.71	100.00	100.00	440.00	540.00	0.0
0.77	475.00	0.0	0.0	2177.00	1825.00	2183.43	145.32	0.0	315.11	0.0	0.0	0.0
0.77	475.00	0.0	0.0	2177.00	1825.00	2183.47	121.62	100.00	100.00	440.00	540.00	0.0
0.92	750.00	0.0	0.0	2199.00	1750.00	2205.21	111.54	0.0	159.49	0.0	0.0	0.0
0.92	750.00	0.0	0.0	2199.00	1750.00	2206.15	104.33	60.00	60.00	140.00	200.00	0.0
1.03	500.00	0.0	0.0	2208.40	1700.00	2215.98	135.57	0.0	160.84	0.0	0.0	0.0
1.03	500.00	0.0	0.0	2208.40	1700.00	2216.47	142.96	48.00	48.00	72.00	120.00	0.0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
0.220	2030.000	2138.959	0.0	0.0	0.0	772.003	0.0	0.0
0.220	2030.000	2139.959	1.000	0.0	0.0	139.999	632.004	0.0
0.410	1950.000	2145.422	0.0	6.463	0.0	179.351	0.0	1000.000
0.410	1950.000	2146.408	0.986	6.449	0.0	59.999	119.352	1000.000
0.500	1950.000	2151.688	0.0	6.266	0.0	127.534	0.0	500.000
0.500	1950.000	2151.277	-0.410	4.869	0.0	28.451	99.083	500.000
0.680	1825.000	2167.565	0.0	15.878	0.0	328.845	0.0	1025.000
0.680	1825.000	2168.229	0.663	16.951	0.0	99.999	228.846	1025.000
0.770	1825.000	2183.431	0.0	15.866	0.0	315.105	0.0	475.000
0.770	1825.000	2183.475	0.044	15.246	0.0	99.999	215.106	475.000
0.920	1750.000	2205.208	0.0	21.777	0.0	159.492	0.0	750.000
0.920	1750.000	2206.147	0.939	22.672	0.0	59.999	99.493	750.000
1.030	1700.000	2215.984	0.0	10.776	0.0	160.839	0.0	500.000
1.030	1700.000	2216.474	0.489	10.327	0.0	47.999	112.840	500.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE END	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	27.486	0.0
2	1.000	48.000	7.402	-20.084

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**************************
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
X1      0.920      12.000     150.000     171.000     750.000
GR
        .70.                                  .0.
        .15.                                  0.                                                   20
**************************
HEC2      VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 ODIFICATIONS 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     STET    METRIC    HVINS     Q     WSEL     FQ                 20
     0.       0.       0.      0.     0.00480    0.0       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
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

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   95.000 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  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    0.0      0.0      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 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

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

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

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
```

```
**************************
HEC2        VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
 ODIFICATIONS 52,53,54,55,56,57,58,59
**************************
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```
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.        2.0      0.       0.       0.004580 0.0      0.0      0.       0.0      0.0

NC   0.080     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

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   2150.300 44.000   2147.000 68.000   2140.800 78.000   2142.300 80.000                      45
GR   2144.600  95.000   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  2137.500 687.000  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

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

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

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   2190.300 100.000  2185.000 200.000  2184.800 218.000  2183.500 300.000                     140
GR   2182.200  400.000  2181.900 475.000  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

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
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X1	0.920	12.000	150.000	171.000	750.000	750.000	750.000	0.0	0.0	0.0	175
GR	221[illegible]000	14.000	2207.800	23.000	2207.400	[illegible].000	2204.500	150.000	2200.000	154.000	180
GR	219[illegible]00	160.000	2200.100	168.000	2202.700	[illegible].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
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

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*****************************
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    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0.        2.        0.        0.  0.004980    0.0       0.0       0.        0.0       0.0                                                  20

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   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

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    95.000  2144.500   100.000  2142.500   104.000  2138.800   152.000  2139.900   200.000                                       50
GR   2140.400   215.000  2139.000   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   680.000  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  1120.000  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   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

X1      0.410    10.000   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   620.000  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

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     0.0       0.0       0.0                                         130

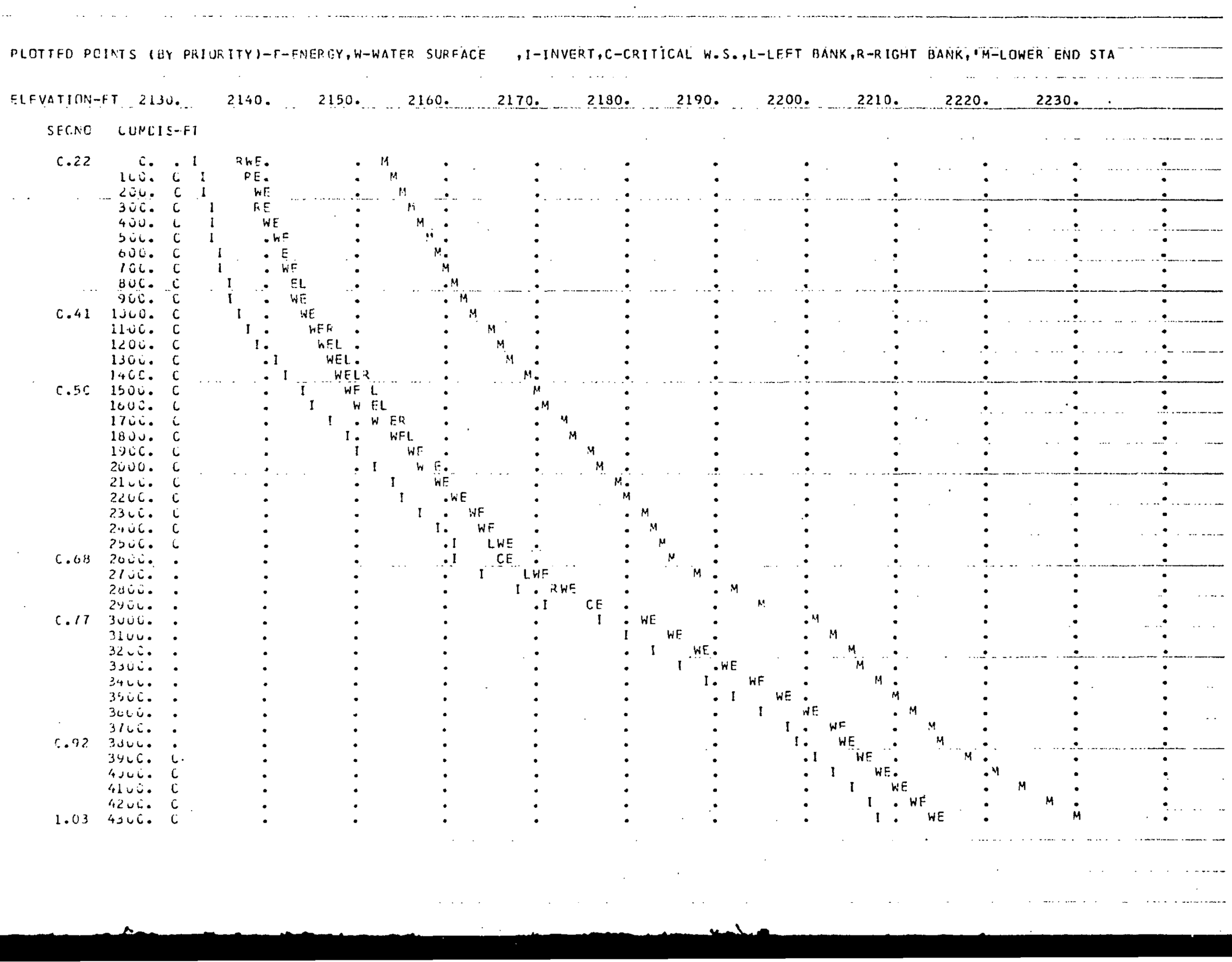
X1      0.600    16.000   475.000   502.000  1025.000  1025.000  1025.000     0.0     -16.000     0.0                                         135
GR   2200.400    40.000  2190.800   100.000  2185.000   200.000  2184.800   218.000  2183.500   300.000                                      140
GR   2182.200   400.000  2181.800   475.000  2177.800   480.000  2177.000   490.000  2177.800   498.000                                      145
GR   2180.900   500.000  2181.000   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

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
CT      6.000   890.000  1420.000  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
```

XI	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	0.0	0.0	0.0	205
XI	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

PROFILE FOR RIVER CARSON CREEK 11-16-76 SF

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE ,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,'M-LOWER END STA



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*****************************
HEC2      VERSICN UPDATEC AUG 1976
ERROR CORRECTICNS 01,02,03,04,05,C6,07,08,09,10
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    INC      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ
       0.       3.       0.       0.  0.004580     0.0      0.0      0.       0.0      0.0                                    250
J2  NPROF     IPLCT    PRFVS    XSECV    XSECH    FN       ALLDC    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
```

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*************************
HEC2      VERSICN UPDATED AUG 1976
EPROR CORRECTICNS 01,02,03,04,05,06,07,08,09,10
MODIFICATICNS 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    INN      NINV     IDIP     STRT     METRIC   HVINS    Q        WSEL     FQ
       0.       4.       0.       0.  0.004980     0.0      0.0      0.       0.0      0.0                                    275
J2  NPROF    IPLOT    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                                                                                    285
T2      500 YEAR                                                                                           290
T3      CARSON CREEK 11-16-76 SFA                                                                          295
J1  ICHECK    INQ      NINV     ICIR     STRT     METRIC   HVINS    Q        WSEL     FQ
       0.       5.       0.       0.  0.004980     0.0      0.0      0.       0.0      0.0                300
J2  NPROF    IPLOT    PROFVS   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
```

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

CARSON 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	730.18	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	2146.37	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-WSELK	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	2138.738	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	1825.000	2167.572	0.360	15.890	0.0	329.470	-120.294	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	890.000	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