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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 5:05  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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T1 TRANSYLVAINA CC. NC 0  
 T2 100 YEAR 0  
 T3 PATERSON CREEK 3-3-77 0

J1 ICHECK INQ NINW IDIR STRT METRIC HVINS Q WSEL FQ  
 0. 6. 0. 0. 0.0 0. 0. 0. 0.2151.810 0.

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE  
 0. 0. -1. 0. 0. 0.0 0.0 0. 0. 15. 0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.00 43.00 1.00 50.00 36.00 4.00 27.00 28.00 9.00 52.00 0

200.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0

NC 0.060 0.060 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 10  
 QT 6.000 400.000 650.000 850.000 1260.000 850.000 850.000 0.0 0.0 0.0 11  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 12

X1 0.220 15.000 409.000 446.000 0.0 0.0 0.0 0.0 0.0 0.0 13  
 GR 2155.600 0.0 2153.400 110.000 2153.000 210.000 2151.000 309.000 2151.200 409.000 15  
 GR 2144.100 420.000 2142.600 429.000 2144.000 435.000 2149.500 446.000 2151.900 513.000 16  
 GR 2153.200 610.000 2156.400 692.000 2159.700 707.000 2159.900 725.000 2165.000 780.000 17  
 NC 0.060 0.060 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 20  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 21

X1 0.220 24.000 401.000 446.000 50.000 50.000 50.000 0.0 0.0 0.0 22  
 X3 10.000 0.0 0.0 0.0 0.0 0.0 0.0 2152.200 2154.500 0.0 23  
 GR 2155.600 0.0 2153.400 110.000 2153.000 210.000 2151.200 300.000 2151.000 309.000 24  
 GR 2151.100 401.000 2147.900 401.000 2146.900 411.000 2146.800 412.000 2144.900 424.000 25  
 GR 2143.500 425.000 2142.700 428.000 2142.800 429.000 2143.000 430.000 2143.900 434.000 26  
 GR 2144.000 435.000 2146.000 446.000 2149.500 446.000 2151.900 514.000 2153.200 610.000 27  
 GR 2156.400 692.000 2159.700 708.000 2160.000 725.000 2165.000 779.000 0.0 0.0 28  
 NC 0.060 0.060 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 30  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 31

X1 0.220 0.0 0.0 0.0 5.000 5.000 5.000 0.0 0.0 0.0 32  
 B 29.000 0.0 2155.600 0.0 110.000 2153.800 0.0 300.000 2153.200 0.0 35  
 BT 309.000 2153.300 0.0 401.000 2154.100 0.0 401.000 2154.100 2151.500 411.000 36  
 BT 2154.200 2151.700 411.000 2154.200 0.0 412.000 2154.200 0.0 412.000 2154.200 37  
 BT 2151.700 424.000 2154.300 2151.800 424.000 2154.300 0.0 425.000 2154.300 0.0 38  
 BT 425.000 2154.300 2151.900 429.000 2154.400 2151.900 429.000 2154.400 0.0 430.000 39  
 BT 2154.400 0.0 430.000 2154.400 2151.900 434.000 2154.400 2152.000 434.000 2154.400 40  
 BT 0.0 435.000 2154.500 0.0 435.000 2154.500 2152.000 446.000 2154.500 2152.100 41  
 BT 446.000 2154.500 0.0 514.000 2155.800 0.0 410.000 2157.400 0.0 788.000 42





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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  
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T1 TRANSYLVANIA CO. NC 0  
 T2 100 YEAR 0  
 T3 PATERSON CREEK 3-3-77 0

J1 ICHECK INQ MINV IDIR STRT METRIC HVINS Q WSEL FQ  
 0. 0. 0. 0. 0.0 0.0 0.0 0. 2151.810 0.0 5

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC ISW CHNIM ITRACE  
 0.0 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 15.000 0.0

J3 1.000 347.000 36.000 4.000 27.000 28.000 9.000 0.0 0.0 0.0 9  
 NC 0.060 0.050 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 10  
 QT 6.000 400.000 650.000 850.000 1260.000 850.000 850.000 0.0 0.0 0.0 11  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 12

X1 0.220 15.000 409.000 446.000 0.0 0.0 0.0 0.0 0.0 0.0 13  
 GR 2155.600 0.0 2153.400 110.000 2153.000 210.000 2151.000 309.000 2151.200 409.000 15  
 GR 2144.100 420.000 2142.600 429.000 2144.000 435.000 2149.500 446.000 2151.900 513.000 16  
 GR 2153.200 610.000 2156.400 692.000 2159.700 707.000 2159.900 725.000 2165.000 780.000 17  
 NC 0.060 0.050 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 20  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 21

X1 0.220 24.000 401.000 446.000 50.000 50.000 50.000 0.0 0.0 0.0 22  
 X3 10.000 0.0 0.0 0.0 0.0 0.0 0.0 2152.200 2154.500 0.0 23  
 GR 2155.600 0.0 2153.400 110.000 2153.000 210.000 2151.200 300.000 2151.000 309.000 24  
 GR 2151.100 401.000 2147.900 401.000 2146.900 411.000 2146.800 412.000 2144.900 424.000 25  
 GR 2143.500 425.000 2142.700 428.000 2142.800 429.000 2143.000 430.000 2143.900 434.000 26  
 GR 2144.000 435.000 2146.000 446.000 2149.500 446.000 2151.900 514.000 2153.200 610.000 27  
 GP 2156.400 692.000 2159.700 708.000 2160.000 725.000 2165.000 779.000 0.0 0.0 28  
 NC 0.060 0.050 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 30  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 31

X1 0.220 0.0 0.0 0.0 5.000 5.000 5.000 0.0 0.0 0.0 32  
 BT 29.000 0.0 2155.600 0.0 110.000 2153.800 0.0 300.000 2153.200 0.0 35  
 BT 309.000 2153.300 0.0 401.000 2154.100 0.0 401.000 2154.100 2151.500 411.000 36  
 BT 2154.200 2151.700 411.000 2154.200 0.0 412.000 2154.200 0.0 412.000 2154.200 37  
 BT 2151.700 424.000 2154.300 2151.800 424.000 2154.300 0.0 425.000 2154.300 0.0 38  
 BT 425.000 2154.300 2151.900 429.000 2154.400 2151.900 429.000 2154.400 0.0 430.000 39  
 BT 2154.400 0.0 430.000 2154.400 2151.900 434.000 2154.400 2152.000 434.000 2154.400 40  
 BT 0.0 435.000 2154.500 0.0 435.000 2154.500 2152.000 446.000 2154.500 2152.100 41  
 BT 446.000 2154.500 0.0 514.000 2155.800 0.0 610.000 2157.600 0.0 708.000 42  
 BT 2159.700 0.0 725.000 2160.000 0.0 779.000 2165.000 0.0 0.0 0.0 43  
 NC 0.060 0.050 0.045 0.100 0.500 0.0 0.0 0.0 0.0 0.0 45  
 ET 0.0 0.0 0.0 0.0 0.0 0.0 8.100 380.000 480.000 0.0 46

X1 0.220 0.0 0.0 0.0 20.000 20.000 20.000 0.0 0.0 0.0 47  
 X2 0.0 0.0 0.0 0.0 0.0 0.0 1.000 0.0 0.0 0.0 48

ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.100	380.000	480.000	0.0	50
X1	0.22J	15.00J	409.000	446.000	5.000	5.000	5.000	0.0	0.0	0.0	0.0	51
GR	2155.60J	0.0	2153.400	110.000	2153.000	210.000	2151.000	309.000	2151.200	409.000	52	
GR	2144.10J	420.00J	2142.600	429.000	2144.000	435.000	2149.500	446.000	2151.900	513.000	53	
GR	2153.20J	610.00J	2156.400	692.000	2159.700	707.000	2159.900	725.000	2165.000	780.000	54	
NC	0.06J	0.00J	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	55	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	405.000	505.000	0.0	56	
X1	0.24J	27.00J	443.000	476.000	25.000	25.000	25.000	0.0	0.0	0.0	73	
GR	2157.40J	0.0	2156.000	20.000	2154.900	40.000	2153.300	140.000	2153.200	150.000	75	
GR	2152.90J	240.00J	2152.700	250.000	2150.900	340.000	2150.900	350.000	2151.000	440.000	76	
GR	2145.60J	448.00J	2144.200	452.000	2143.100	455.000	2143.900	466.000	2145.000	469.000	77	
GR	2149.40J	476.00J	2151.800	540.000	2151.900	550.000	2153.100	639.000	2153.600	650.000	78	
GR	2155.90J	711.00J	2152.200	723.000	2155.800	725.000	2159.200	731.000	2159.600	735.000	79	
GR	2160.40J	760.00J	2164.200	800.000	0.0	0.0	0.0	0.0	0.0	0.0	80	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	405.000	505.000	0.0	85	
X1	0.24J	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0	86	
X3	10.00J	0.0	0.0	0.0	0.0	0.0	0.0	2152.200	2154.300	0.0	87	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	405.000	505.000	0.0	90	
SR	0.0	1.50J	3.000	0.0	14.000	0.0	123.200	0.0	2143.800	2143.800	91	
X1	0.24J	0.0	452.000	466.000	20.000	20.000	20.000	0.0	0.0	0.0	92	
X2	0.0	0.0	1.000	2152.500	2153.400	0.0	0.0	0.0	0.0	0.0	93	
X3	10.00J	0.0	0.0	0.0	0.0	0.0	0.0	2153.300	2154.100	0.0	94	
BT	14.00J	0.0	2200.000	0.0	20.000	2200.000	0.0	150.000	2200.000	0.0	95	
BT	405.00J	2200.00J	0.0	405.000	2153.700	0.0	452.000	2156.700	0.0	452.000	96	
BT	2156.70J	2152.50J	466.000	2156.900	2152.500	505.000	2154.700	0.0	505.000	2200.000	97	
BT	0.0	550.00J	2200.000	0.0	731.000	2200.000	0.0	760.000	2200.000	0.0	98	
BT	800.00J	2200.00J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	565.000	665.000	0.0	100	
X1	0.24J	20.00J	600.000	637.000	10.000	10.000	10.000	0.0	0.0	0.0	101	
GR	2165.20J	30.00J	2160.200	88.000	2157.700	150.000	2154.900	200.000	2153.300	300.000	105	
GR	2152.90J	400.00J	2150.900	500.000	2151.100	600.000	2144.000	612.000	2143.100	616.000	106	
GR	2143.90J	627.00J	2149.500	637.000	2151.800	700.000	2153.200	800.000	2155.900	870.000	107	
GR	2153.00J	880.00J	2158.900	839.000	2160.300	905.000	2160.400	920.000	2168.600	1010.000	108	
NC	0.15J	0.12J	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	109	
QT	6.00J	365.00J	600.000	773.000	1153.000	773.000	773.000	0.0	0.0	0.0	111	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	565.000	665.000	0.0	110	
X1	0.30J	0.0	0.0	0.0	300.000	300.000	300.000	0.0	2.100	0.0	0	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	460.000	520.000	0.0	0	
X1	0.44J	22.00J	478.000	500.000	1090.000	790.000	1010.000	0.0	-6.000	0.0	114	
GR	2175.30J	0.0	2168.800	33.000	2167.700	54.000	2166.400	65.000	2165.900	69.000	115	
GR	2164.10J	100.00J	2165.400	200.000	2164.200	300.000	2164.000	400.000	2161.600	478.000	116	
GR	2158.80J	433.00J	2158.300	485.000	2158.900	491.000	2161.100	500.000	2163.000	531.000	117	
GR	2162.30J	600.00J	2161.800	620.000	2161.700	629.000	2161.800	631.000	2167.200	675.000	118	
GR	2163.80J	700.00J	2180.000	789.000	0.0	0.0	0.0	0.0	0.0	0.0	119	
NC	0.10J	0.15J	0.050	0.100	0.500	0.0	0.0	0.0	0.0	0.0	120	
QT	6.00J	335.00J	560.000	715.000	1070.000	715.000	715.000	0.0	0.0	0.0	121	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	460.000	520.000	0.0	125	
X1	0.47J	0.0	0.0	0.0	150.000	150.000	150.000	0.0	6.000	0.0	0	
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	440.000	520.000	0.0	0	





SUMMARY PRINTOUT FOR MULTIPLE PROFILES

PATTERSON CREEK

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	2142.60	850.00	2151.81	275.16	0.0	241.58	0.0	0.0	2151.81
0.22	0.0	0.0	0.0	2142.60	850.00	2152.81	364.60	100.00	100.00	380.00	480.00	2152.81
0.22	50.00	0.0	0.0	2142.70	850.00	2151.86	295.53	0.0	45.00	0.0	0.0	0.0
0.22	50.00	0.0	0.0	2142.70	850.00	2152.84	390.01	100.00	66.00	380.00	480.00	0.0
0.22	5.00	2153.20	2152.10	2142.70	850.00	2151.74	105.63	0.0	236.40	0.0	0.0	0.0
0.22	5.00	2153.20	2152.10	2142.70	850.00	2152.70	83.76	100.00	100.00	380.00	480.00	0.0
0.22	20.00	2153.20	2152.10	2142.70	850.00	2151.89	95.98	0.0	248.28	0.0	0.0	0.0
0.22	20.00	2153.20	2152.10	2142.70	850.00	2152.91	83.76	100.00	100.00	380.00	480.00	0.0
0.22	5.00	0.0	0.0	2142.60	850.00	2152.22	337.07	0.0	289.28	0.0	0.0	0.0
0.22	5.00	0.0	0.0	2142.60	850.00	2153.25	415.60	100.00	100.00	380.00	480.00	0.0
0.24	25.00	0.0	0.0	2143.10	850.00	2152.25	351.66	0.0	303.74	0.0	0.0	0.0
0.24	25.00	0.0	0.0	2143.10	850.00	2153.26	419.71	100.00	100.00	405.00	505.00	0.0
0.24	20.00	0.0	0.0	2143.10	850.00	2152.21	261.13	0.0	36.00	0.0	0.0	0.0
0.24	20.00	0.0	0.0	2143.10	850.00	2153.25	369.95	100.00	71.00	405.00	505.00	0.0
0.24	20.00	2153.40	2152.50	2143.10	850.00	2153.34	499.82	0.0	338.86	0.0	0.0	0.0
0.24	20.00	2153.40	2152.50	2143.10	850.00	2154.36	561.90	100.00	100.00	405.00	505.00	0.0
0.24	10.00	0.0	0.0	2143.10	850.00	2153.37	597.96	0.0	509.78	0.0	0.0	0.0
0.24	10.00	0.0	0.0	2143.10	850.00	2154.37	555.61	100.00	100.00	565.00	665.00	0.0
0.30	300.00	0.0	0.0	2145.20	773.00	2153.41	211.16	0.0	206.86	0.0	0.0	0.0
0.30	300.00	0.0	0.0	2145.20	773.00	2154.44	289.30	100.00	100.00	565.00	665.00	0.0
0.44	1010.00	0.0	0.0	2152.30	773.00	2157.16	76.88	0.0	214.69	0.0	0.0	0.0
0.44	1010.00	0.0	0.0	2152.30	773.00	2156.96	60.27	60.00	60.00	460.00	520.00	0.0
0.47	150.00	0.0	0.0	2158.30	715.00	2163.03	63.39	0.0	209.56	0.0	0.0	0.0
0.47	150.00	0.0	0.0	2158.30	715.00	2162.84	51.37	60.00	60.00	460.00	520.00	0.0
0.67	930.00	0.0	0.0	2169.20	715.00	2174.23	66.40	0.0	28.30	0.0	0.0	0.0
0.67	930.00	0.0	0.0	2169.20	715.00	2174.68	78.36	80.00	29.69	440.00	520.00	0.0
0.67	50.00	0.0	0.0	2169.20	715.00	2174.93	85.56	0.0	30.47	0.0	0.0	0.0
0.67	50.00	0.0	0.0	2169.20	715.00	2175.17	92.80	80.00	31.22	440.00	520.00	0.0
0.67	20.00	2178.10	2176.30	2169.20	715.00	2174.93	85.55	0.0	30.47	0.0	0.0	0.0
0.67	20.00	2178.10	2176.30	2169.20	715.00	2175.17	92.76	80.00	31.21	440.00	520.00	0.0
0.67	10.00	0.0	0.0	2169.20	715.00	2175.01	87.09	0.0	30.70	0.0	0.0	0.0
0.67	10.00	0.0	0.0	2169.20	715.00	2175.24	93.89	80.00	31.40	440.00	520.00	0.0
0.95	1490.00	0.0	0.0	2195.60	715.00	2202.02	68.12	0.0	136.21	0.0	0.0	0.0
0.95	1490.00	0.0	0.0	2195.60	715.00	2201.57	46.82	60.00	42.52	200.00	260.00	0.0

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
0.220	850.000	2151.809	0.0	0.0	0.0	241.577	0.0	0.0



0.220	850.000	2152.809	1.000	0.0	0.0	99.999	141.578	0.0
0.220	850.000	2151.863	0.0	0.054	0.0	45.000	0.0	50.000
0.220	850.000	2152.841	0.978	0.032	0.0	66.000	-21.000	50.000
0.220	850.000	2151.737	0.0	-0.126	0.0	236.403	0.0	5.000
0.220	850.000	2152.700	0.963	-0.141	0.0	99.999	136.404	5.000
0.220	850.000	2151.890	0.0	0.153	0.0	248.278	0.0	20.000
0.220	850.000	2152.906	1.016	0.206	0.0	99.999	148.279	20.000
0.220	850.000	2152.225	0.0	0.335	0.0	289.277	0.0	5.000
0.220	850.000	2153.249	1.024	0.343	0.0	99.999	189.278	5.000
0.240	850.000	2152.250	0.0	0.025	0.0	303.743	0.0	25.000
0.240	850.000	2153.260	1.010	0.011	0.0	99.999	203.744	25.000
0.240	850.000	2152.210	0.0	-0.039	0.0	36.000	0.0	20.000
0.240	850.000	2153.252	1.042	-0.007	0.0	71.000	-35.000	20.000
0.240	850.000	2153.345	0.0	1.134	0.0	338.863	0.0	20.000
0.240	850.000	2154.364	1.019	1.111	0.0	99.999	238.864	20.000
0.240	850.000	2153.369	0.0	0.024	0.0	509.782	0.0	10.000
0.240	850.000	2154.365	0.996	0.002	0.0	99.999	409.783	10.000
0.300	773.000	2153.406	0.0	0.037	0.0	206.861	0.0	300.000
0.300	773.000	2154.439	1.033	0.073	0.0	99.999	106.862	300.000
0.440	773.000	2157.157	0.0	3.751	0.0	214.686	0.0	1010.000
0.440	773.000	2156.958	-0.199	2.519	0.0	59.999	154.687	1010.000
0.470	715.000	2163.031	0.0	5.874	0.0	209.556	0.0	150.000
0.470	715.000	2162.841	-0.191	5.883	0.0	59.999	149.557	150.000
0.670	715.000	2174.229	0.0	11.198	0.0	28.297	0.0	930.000
0.670	715.000	2174.679	0.449	11.838	0.0	29.685	-1.388	930.000
0.670	715.000	2174.931	0.0	0.702	0.0	30.467	0.0	50.000
0.670	715.000	2175.172	0.241	0.494	0.0	31.216	-0.750	50.000
0.670	715.000	2174.931	0.0	0.0	0.0	30.465	0.0	20.000
0.670	715.000	2175.172	0.241	0.0	0.0	31.213	-0.747	20.000
0.670	715.000	2175.014	0.0	0.083	0.0	30.699	0.0	10.000
0.670	715.000	2175.239	0.225	0.067	0.0	31.397	-0.697	10.000
0.950	715.000	2202.022	0.0	27.008	0.0	136.206	0.0	1490.000
0.950	715.000	2201.569	-0.453	26.329	0.0	42.522	93.684	1490.000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENCL

TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	13.985
2	1.000	5.279

THIS RUN EXECUTED

08/2

15:4

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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 6:10  
 ERROR CORR - 01  
 MODIFICATION - 50,51,57  
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T1	TRANSYLVANIA CO. N.C.	1
T2	10-YEAR FLOOD 11-8-76	2
T3	PATTERSON CREEK	3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	HSEL	FO	
	0.	2.	0.	0.	0.00095	0.	0.	0.2148.000	0.		

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	0.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	6

NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	10
QT	6.000	400.000	650.000	850.000	1260.000	850.000	850.000	0.0	0.0	0.0	11
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	380.000	480.000	0.0	12

XI	0.220	15.000	409.000	446.000	0.0	0.0	0.0	0.0	0.0	0.0	13
G	2155.600	0.0	2153.400	110.000	2153.000	210.000	2151.000	309.000	2151.200	409.000	15
GR	2144.100	420.000	2142.600	429.000	2144.000	435.000	2149.500	446.000	2151.900	513.000	16
GR	2153.200	610.000	2156.400	692.000	2159.700	707.000	2159.900	725.000	2165.000	780.000	17
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	20
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	380.000	480.000	0.0	21

XI	0.220	24.000	401.000	446.000	50.000	50.000	50.000	0.0	0.0	0.0	22
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	2152.200	2154.500	0.0	23
GR	2155.600	0.0	2153.400	110.000	2153.000	210.000	2151.200	300.000	2151.000	309.000	24
GR	2151.100	401.000	2147.900	401.000	2146.900	411.000	2146.800	412.000	2144.900	424.000	25
GR	2143.500	425.000	2142.700	428.000	2142.800	429.000	2143.000	430.000	2143.900	434.000	26
GR	2144.000	435.000	2146.000	446.000	2149.500	446.000	2151.900	514.000	2153.200	610.000	27
GR	2156.400	692.000	2159.700	708.000	2160.000	725.000	2165.000	779.000	0.0	0.0	28
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	30
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	380.000	480.000	0.0	31

XI	0.220	0.0	0.0	0.0	5.000	5.000	5.000	0.0	0.0	0.0	32
BT	29.000	0.0	2155.600	0.0	110.000	2153.800	0.0	300.000	2153.200	0.0	0
BT	309.000	2153.300	0.0	401.000	2154.100	0.0	401.000	2154.100	2151.500	411.000	0
BT	2154.200	2151.700	411.000	2154.200	0.0	412.000	2154.200	0.0	412.000	2154.200	0
BT	2151.700	424.000	2154.300	2151.800	424.000	2154.300	0.0	425.000	2154.300	0.0	0
BT	425.000	2154.300	2151.900	429.000	2154.400	2151.900	429.000	2154.400	0.0	430.000	0
BT	2154.400	0.0	430.000	2154.400	2151.900	434.000	2154.400	2152.000	434.000	2154.400	0
BT	0.0	435.000	2154.500	0.0	435.000	2154.500	2152.000	446.000	2154.500	2152.100	0
E	446.000	2154.500	0.0	514.000	2155.800	0.0	610.000	2157.600	0.0	708.000	0
BT	2159.700	0.0	725.000	2160.000	0.0	779.000	2165.000	0.0	0.0	0.0	0
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	45
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	380.000	480.000	0.0	46

X1	0.0	0.0	0.0	0.0	20.000	0.000	20.000	0.0	0.0	0.0	47
X2	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	48





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HFC?      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. N.C.	1
T2	10-YEAR FLOOD 11-8-76	2
T3	PATTERSON CREEK	3

J1	ICHECK	INC	NINV	IDIP	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	2.	0.	0.	0.000950	0.0	0.0	0.	2148.000	0.0	5

J2	NPROF	IFLCT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRAC	
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000

NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	10
QT	6.000	400.000	650.000	850.000	1260.000	850.000	850.000	0.0	0.0	0.0	11
FT	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	12

X1	0.220	15.000	409.000	446.000	0.0	0.0	0.0	0.0	0.0	0.0	13
GR	2155.600	0.0	2153.400	110.000	2153.000	210.000	2151.000	309.000	2151.200	409.000	15
GR	2144.100	420.000	2142.600	429.000	2144.000	435.000	2149.500	446.000	2151.900	513.000	16
GR	2153.200	610.000	2156.400	692.000	2159.700	707.000	2159.900	725.000	2165.000	780.000	17
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	20
FT	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	21

X1	0.220	24.000	401.000	446.000	50.000	50.000	50.000	0.0	0.0	0.0	22
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	2152.200	2154.500	0.0	23
GR	2155.600	0.0	2153.400	110.000	2153.000	210.000	2151.200	300.000	2151.000	309.000	24
GR	2151.100	401.000	2147.900	401.000	2146.900	411.000	2146.800	412.000	2144.900	424.000	25
GR	2143.500	425.000	2142.700	428.000	2142.800	429.000	2143.000	430.000	2143.900	434.000	26
GR	2144.000	435.000	2146.000	446.000	2149.500	446.000	2151.900	514.000	2153.200	610.000	27
GR	2156.400	692.000	2159.700	708.000	2160.000	725.000	2165.000	779.000	0.0	0.0	28
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	30
FT	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	31

X1	0.220	0.0	0.0	0.0	5.000	5.000	5.000	0.0	0.0	0.0	32
RT	25.000	0.0	2155.600	0.0	110.000	2153.800	0.0	300.000	2153.200	0.0	35
BT	309.000	2153.300	0.0	401.000	2154.100	0.0	401.000	2154.100	2151.500	411.000	36
BT	2154.200	2151.700	411.000	2154.200	0.0	412.000	2154.200	0.0	412.000	2154.200	37
RT	2151.700	424.000	2154.300	2151.800	424.000	2154.300	0.0	425.000	2154.300	0.0	38
RT	425.000	2154.300	2151.900	429.000	2154.400	2151.900	429.000	2154.400	0.0	430.000	39
BT	2154.400	0.0	430.000	2154.400	2151.900	434.000	2154.400	2152.000	434.000	2154.400	40
BT	0.0	435.000	2154.500	0.0	435.000	2154.500	2152.000	446.000	2154.500	2152.100	41
BT	446.000	2154.500	0.0	514.000	2155.800	0.0	610.000	2157.600	0.0	708.000	42
BT	2159.700	0.0	725.000	2160.000	0.0	779.000	2165.000	0.0	0.0	0.0	43
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	45
FT	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	46

X1	0.220	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0	47
X2	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	48
FT	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	50

X1	0.220	15.000	409.000	446.000	5.000	5.000	5.000	0.0	0.0	0.0	51
GR	2155.600	0.0	2153.400	110.000	2153.000	210.000	2151.000	309.000	2151.200	409.000	52
GR	2144.100	420.000	2142.600	429.000	2144.000	435.000	2149.500	446.000	2151.900	513.000	53
GR	2153.200	610.000	2156.400	692.000	2159.700	707.000	2159.900	725.000	2165.000	780.000	54
NC	0.060	0.060	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	55
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	56

X1	0.240	27.000	440.000	476.000	25.000	25.000	25.000	0.0	0.0	0.0	73
GR	2157.400	0.0	2156.000	20.000	2154.900	40.000	2153.300	140.000	2153.200	150.000	75
GR	2152.900	240.000	2152.700	250.000	2150.900	340.000	2150.900	350.000	2151.000	440.000	76
GR	2145.600	448.000	2144.200	452.000	2143.100	455.000	2143.900	466.000	2145.000	469.000	77
GR	2149.400	476.000	2151.800	540.000	2151.900	550.000	2153.100	639.000	2153.600	650.000	78
GR	2155.900	711.000	2152.200	723.000	2155.800	725.000	2159.200	731.000	2159.600	735.000	79
GR	2160.400	760.000	2164.200	800.000	0.0	0.0	0.0	0.0	0.0	0.0	80
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	85

X1	0.240	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0	86
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	2152.300	2154.300	0.0	87
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	90
SB	0.0	1.600	3.000	0.0	14.000	0.0	123.200	0.0	2143.800	2143.800	91

X1	0.240	0.0	452.000	466.000	20.000	20.000	20.000	0.0	0.0	0.0	92
X2	0.0	0.0	1.000	2152.500	2153.400	0.0	0.0	0.0	0.0	0.0	93
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	2153.300	2154.100	0.0	94
BT	14.000	0.0	2157.400	0.0	20.000	2156.000	0.0	150.000	2154.000	0.0	95
BT	250.000	2153.400	0.0	350.000	2153.400	0.0	452.000	2156.700	0.0	452.000	96
BT	2156.700	2152.500	466.000	2156.900	2152.500	466.000	2154.100	0.0	550.000	2155.500	97
BT	0.0	650.000	2157.400	0.0	731.000	2159.500	0.0	760.000	2160.400	0.0	98
BT	800.000	2164.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	100

X1	0.240	20.000	600.000	637.000	10.000	10.000	10.000	0.0	0.0	0.0	101
GP	2165.200	30.000	2160.200	88.000	2157.700	150.000	2154.900	200.000	2153.300	300.000	105
GR	2152.900	400.000	2150.900	500.000	2151.100	600.000	2144.000	612.000	2143.100	616.000	106
GR	2143.900	627.000	2149.500	637.000	2151.800	700.000	2153.200	800.000	2155.900	870.000	107
GP	2153.000	880.000	2158.900	889.000	2160.300	905.000	2160.400	920.000	2168.600	1010.000	108
NC	0.150	0.120	0.045	0.100	0.500	0.0	0.0	0.0	0.0	0.0	109
QT	6.000	365.000	600.000	773.000	1153.000	773.000	773.000	0.0	0.0	0.0	111
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	113

X1	0.300	0.0	0.0	0.0	300.000	300.000	300.000	0.0	2.100	0.0	0
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	0

X1	0.440	22.000	478.000	500.000	1090.000	790.000	1010.000	0.0	-6.000	0.0	114
GR	2175.300	0.0	2168.800	33.000	2167.700	54.000	2166.400	65.000	2165.900	69.000	115
GR	2164.100	100.000	2165.400	200.000	2164.200	300.000	2164.000	400.000	2161.600	478.000	116
GR	2158.800	483.000	2158.300	485.000	2158.900	491.000	2161.100	500.000	2163.000	531.000	117
GP	2162.300	600.000	2161.800	620.000	2161.700	629.000	2161.800	631.000	2167.200	675.000	118
GP	2168.800	700.000	2180.000	789.000	0.0	0.0	0.0	0.0	0.0	0.0	119
NC	0.100	0.150	0.050	0.100	0.500	0.0	0.0	0.0	0.0	0.0	120
QT	6.000	335.000	560.000	715.000	1070.000	715.000	715.000	0.0	0.0	0.0	121
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	125

X1	0.470	0.0	0.0	0.0	150.000	150.000	150.000	0.0	6.000	0.0	0
ET	0.0	0.0	0.0	0.0	0.0	0.0	8.100	0.0	0.0	0.0	0



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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  
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T1      TRANSYLVANIA CO. N.C.      175  
T2      50-YEAR FLOOD 11-18-76      176  
T3      PATTERSON CREEK      177

J1    ICHECK    INQ      NINV      IDIR      STRT      METRIC    HVINS    Q      WSEL      FQ  
      0.       3.       0.       0.      0.000950    0.C      0.0      0.      2149.000    0.0      178

J2    MPRCF      IFLCT      PRFVS      XSECV      XSECH      FN      ALLDC      IBW      CHNIM      ITRACE  
      2.000      0.0      -1.000      0.0      0.C      0.0      0.0      0.0      0.0      0.0      0.000





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HEC2      VERSION UPDATED AUG 1976  
ERRCR 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. N.C.      185  
T2      500-YR. FLOOD 11-18-76      186  
T3      PATTERSON CREEK      187

J1    ICHECK    INC      NINV      ICIR      STRT      METRIC    HVINS      Q      WSEL      FQ  
      0.        5.        0.        0.    0.00095C    0.0      0.0      0.    2151.000    0.0      189

J2    NPROF      IPLOT      PREVS      XSECV      XSECH      FN      ALLOC      IBW      CHNIM      ITRACE  
      15.00C    0.0      -1.000    0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.000

PRINTED IN U.S.A.

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

PATTERSON CREEK

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CHSEL	CRHS	EG	TOPWID	10K*S	TIME	VOL
0.22	0.0	0.0	0.0	2142.60	400.00	2149.76	0.0	2149.86	41.94	9.51	0.0	0.0
0.22	0.0	0.0	0.0	2142.60	650.00	2151.19	0.0	2151.33	189.64	9.61	0.0	0.0
0.22	0.0	0.0	0.0	2142.60	850.00	2151.81	0.0	2151.95	241.29	9.58	0.0	0.0
0.22	0.0	0.0	0.0	2142.60	1260.00	2152.61	0.0	2152.75	336.31	9.64	0.0	0.0
0.22	50.00	0.0	0.0	2142.70	400.00	2149.84	0.0	2149.90	45.00	6.06	0.01	0.20
0.22	50.00	0.0	0.0	2142.70	650.00	2151.28	0.0	2151.37	45.00	6.53	0.01	0.30
0.22	50.00	0.0	0.0	2142.70	850.00	2151.86	0.0	2151.99	45.00	8.29	0.00	0.39
0.22	50.00	0.0	0.0	2142.70	1260.00	2152.65	0.0	2152.79	218.76	8.68	0.00	0.67
0.22	5.00	2153.20	2152.10	2142.70	400.00	2149.78	0.0	2149.97	52.97	39.79	0.01	0.22
0.22	5.00	2153.20	2152.10	2142.70	650.00	2151.19	0.0	2151.47	193.41	40.25	0.01	0.32
0.22	5.00	2153.20	2152.10	2142.70	850.00	2151.73	2148.73	2152.14	236.01	64.87	0.01	0.42
0.22	5.00	2153.20	2152.10	2142.70	1260.00	2152.31	2149.66	2153.16	300.00	226.30	0.00	0.71
0.22	20.00	2153.20	2152.10	2142.70	400.00	2149.87	0.0	2150.05	55.41	37.18	0.01	0.27
0.22	20.00	2153.20	2152.10	2142.70	650.00	2151.28	0.0	2151.55	200.27	38.16	0.01	0.39
0.22	20.00	2153.20	2152.10	2142.70	850.00	2151.89	2148.73	2152.28	247.97	78.49	0.01	0.49
0.22	20.00	2153.20	2152.10	2142.70	1260.00	2152.76	2149.66	2153.61	356.02	226.30	0.01	0.79
0.22	5.00	0.0	0.0	2142.60	400.00	2149.97	0.0	2150.07	48.31	8.20	0.01	0.29
0.22	5.00	0.0	0.0	2142.60	650.00	2151.46	0.0	2151.57	214.55	7.67	0.01	0.42
0.22	5.00	0.0	0.0	2142.60	850.00	2152.22	0.0	2152.32	288.82	6.38	0.01	0.53
0.22	5.00	0.0	0.0	2142.60	1260.00	2153.65	0.0	2153.70	523.87	3.46	0.01	0.86
0.24	25.00	0.0	0.0	2143.10	400.00	2149.99	0.0	2150.09	50.36	8.07	0.01	0.39
0.24	25.00	0.0	0.0	2143.10	650.00	2151.49	0.0	2151.59	221.02	7.16	0.01	0.61
0.24	25.00	0.0	0.0	2143.10	850.00	2152.25	0.0	2152.33	303.35	5.86	0.01	0.83
0.24	25.00	0.0	0.0	2143.10	1260.00	2153.66	0.0	2153.70	539.93	3.13	0.01	1.49
0.24	20.00	0.0	0.0	2143.10	400.00	2150.01	0.0	2150.10	34.53	8.05	0.01	0.46
0.24	20.00	0.0	0.0	2143.10	650.00	2151.48	0.0	2151.63	36.00	8.92	0.01	0.73
0.24	20.00	0.0	0.0	2143.10	850.00	2152.21	0.0	2152.40	36.00	10.61	0.01	1.00
0.24	20.00	0.0	0.0	2143.10	1260.00	2153.65	0.0	2153.73	358.55	4.84	0.01	1.93
0.24	20.00	2153.40	2152.50	2143.10	400.00	2149.94	0.0	2150.24	34.43	56.38	0.02	0.52
0.24	20.00	2153.40	2152.50	2143.10	650.00	2151.33	0.0	2151.86	36.00	79.95	0.01	0.81
0.24	20.00	2153.40	2152.50	2143.10	850.00	2153.34	0.0	2153.39	338.68	2.90	0.01	1.22
0.24	20.00	2153.40	2152.50	2143.10	1260.00	2154.43	0.0	2154.45	610.82	1.52	0.02	2.47
0.24	10.00	0.0	0.0	2143.10	400.00	2150.19	0.0	2150.28	54.50	7.33	0.02	0.55
0.24	10.00	0.0	0.0	2143.10	650.00	2151.84	0.0	2151.92	250.51	5.34	0.01	0.87
0.24	10.00	0.0	0.0	2143.10	850.00	2153.37	0.0	2153.39	509.50	2.03	0.02	1.41
0.24	10.00	0.0	0.0	2143.10	1260.00	2154.43	0.0	2154.45	609.63	1.57	0.02	2.83
0.30	300.00	0.0	0.0	2145.20	365.00	2150.49	0.0	2150.67	30.45	21.82	0.04	1.52
0.30	300.00	0.0	0.0	2145.20	600.00	2152.04	0.0	2152.26	47.19	19.61	0.04	2.83
0.30	300.00	0.0	0.0	2145.20	773.00	2153.40	0.0	2153.60	206.63	13.43	0.04	5.66
0.30	300.00	0.0	0.0	2145.20	1153.00	2154.42	0.0	2154.65	308.83	13.96	0.04	10.04

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	CRWS	EG	TOPWID	10K*5	TIME	VOL
0.44	1010.00	0.0	0.0	2152.30	365.00	2155.56	2155.56	2156.59	29.37	253.15	0.08	3.30
0.44	1010.00	0.0	0.0	2152.30	600.00	2156.66	2156.66	2157.48	155.83	127.35	0.08	6.20
0.44	1010.00	0.0	0.0	2152.30	773.00	2157.16	2157.16	2157.86	214.68	101.12	0.09	11.36
0.44	1010.00	0.0	0.0	2152.30	1153.00	2157.67	2157.67	2158.45	235.39	108.78	0.09	19.86
0.47	150.00	0.0	0.0	2158.30	335.00	2161.50	2161.50	2162.42	28.41	286.52	0.08	3.45
0.47	150.00	0.0	0.0	2158.30	560.00	2162.57	2162.57	2163.36	141.03	156.47	0.08	6.65
0.47	150.00	0.0	0.0	2158.30	715.00	2163.03	2163.03	2163.73	209.57	127.16	0.09	12.12
0.47	150.00	0.0	0.0	2158.30	1070.00	2163.58	2163.58	2164.31	231.91	126.63	0.09	21.02
0.67	930.00	0.0	0.0	2169.20	335.00	2173.15	0.0	2173.48	24.95	64.15	0.14	4.71
0.67	930.00	0.0	0.0	2169.20	560.00	2173.88	0.0	2174.45	27.21	93.98	0.13	8.93
0.67	930.00	0.0	0.0	2169.20	715.00	2174.23	0.0	2174.99	28.30	115.98	0.13	15.35
0.67	930.00	0.0	0.0	2169.20	1070.00	2175.22	0.0	2176.25	31.35	129.13	0.13	25.79
0.67	50.00	0.0	0.0	2169.20	335.00	2173.49	0.0	2173.75	26.03	46.54	0.14	4.80
0.67	50.00	0.0	0.0	2169.20	560.00	2174.42	0.0	2174.84	28.88	61.62	0.13	9.05
0.67	50.00	0.0	0.0	2169.20	715.00	2174.93	0.0	2175.46	30.47	69.85	0.13	15.47
0.67	50.00	0.0	0.0	2169.20	1070.00	2176.07	0.0	2176.77	34.01	76.17	0.13	25.96
0.67	20.00	2178.10	2176.30	2169.20	335.00	2173.49	0.0	2173.75	26.01	46.70	0.14	4.84
0.67	20.00	2178.10	2176.30	2169.20	560.00	2174.42	0.0	2174.84	28.89	61.61	0.13	9.10
0.67	20.00	2178.10	2176.30	2169.20	715.00	2174.93	0.0	2175.46	30.47	69.85	0.13	15.53
0.67	20.00	2178.10	2176.30	2169.20	1070.00	2178.38	0.0	2178.58	281.55	15.96	0.13	26.11
0.67	10.00	0.0	0.0	2169.20	335.00	2173.54	0.0	2173.80	26.16	45.95	0.14	4.86
0.67	10.00	0.0	0.0	2169.20	560.00	2174.49	0.0	2174.91	29.08	59.96	0.13	9.12
0.67	10.00	0.0	0.0	2169.20	715.00	2175.01	0.0	2175.53	30.70	67.40	0.13	15.56
0.67	10.00	0.0	0.0	2169.20	1070.00	2178.40	0.0	2178.59	282.94	15.83	0.13	26.23
0.95	1490.00	0.0	0.0	2195.60	335.00	2199.53	2199.53	2200.76	15.51	330.13	0.19	6.91
0.95	1490.00	0.0	0.0	2195.60	560.00	2200.59	2200.59	2202.16	18.55	320.32	0.17	11.93
0.95	1490.00	0.0	0.0	2195.60	715.00	2202.02	2202.02	2202.64	136.21	110.17	0.20	20.49
0.95	1490.00	0.0	0.0	2195.60	1070.00	2202.49	2202.49	2203.18	154.73	125.96	0.20	39.26

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH C	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
0.220	400.000	2149.756	0.0	0.0	0.0	41.940	0.0	0.0
0.220	650.000	2151.191	1.435	0.0	0.0	189.639	-147.699	0.0
0.220	850.000	2151.805	0.614	0.0	0.0	241.286	-199.346	0.0
0.220	1260.000	2152.606	0.801	0.0	0.0	336.309	-294.369	0.0
0.220	400.000	2149.840	0.0	0.084	0.0	45.000	0.0	50.000
0.220	650.000	2151.275	1.436	0.084	0.0	45.000	0.0	50.000
0.220	850.000	2151.859	0.584	0.054	0.0	45.000	0.0	50.000
0.220	1260.000	2152.652	0.793	0.046	0.0	218.757	-173.757	50.000
0.220	400.000	2149.781	0.0	-0.059	0.0	52.966	0.0	5.000
0.220	650.000	2151.189	1.408	-0.086	0.0	193.413	-140.448	5.000
0.220	850.000	2151.733	0.544	-0.126	0.0	236.013	-183.047	5.000
0.220	1260.000	2152.311	0.578	-0.341	0.0	299.995	-247.030	5.000
0.220	400.000	2149.867	0.0	0.086	0.0	55.405	0.0	20.000
0.220	650.000	2151.277	1.411	0.088	0.0	200.273	-144.868	20.000
0.220	850.000	2151.887	0.609	0.154	0.0	247.968	-192.563	20.000
0.220	1260.000	2152.764	0.877	0.453	0.0	356.017	-300.612	20.000
0.220	400.000	2149.973	0.0	0.106	0.0	48.314	0.0	5.000
0.220	650.000	2151.460	1.488	0.183	0.0	214.551	-166.236	5.000
0.220	850.000	2152.222	0.761	0.335	0.0	288.822	-240.507	5.000

0.220	1260.000	2153.647	1.426	0.884	0.0	523.872	-475.557	5.000
0.240	400.000	2149.994	0.0	0.021	0.0	50.363	0.0	25.000
0.240	650.000	2151.486	1.493	0.026	0.0	221.018	-170.656	25.000
0.240	850.000	2152.246	0.760	0.024	0.0	303.348	-252.985	25.000
0.240	1260.000	2153.661	1.415	0.014	0.0	539.930	-489.567	25.000
0.240	400.000	2150.009	0.0	0.016	0.0	34.534	0.0	20.000
0.240	650.000	2151.483	1.474	-0.003	0.0	36.000	-1.466	20.000
0.240	850.000	2152.207	0.724	-0.039	0.0	36.000	-1.466	20.000
0.240	1260.000	2153.650	1.443	-0.011	0.0	358.548	-324.014	20.000
0.240	400.000	2149.938	0.0	-0.072	0.0	34.431	0.0	20.000
0.240	650.000	2151.328	1.391	-0.155	0.0	36.000	-1.569	20.000
0.240	850.000	2153.342	2.014	1.135	0.0	338.680	-304.249	20.000
0.240	1260.000	2154.426	1.084	0.776	0.0	610.819	-576.388	20.000
0.240	400.000	2150.194	0.0	0.256	0.0	54.505	0.0	10.000
0.240	650.000	2151.842	1.648	0.514	0.0	250.507	-196.003	10.000
0.240	850.000	2153.365	1.524	0.023	0.0	509.498	-454.993	10.000
0.240	1260.000	2154.427	1.062	0.001	0.0	609.628	-555.124	10.000
0.300	365.000	2150.492	0.0	0.298	0.0	30.450	0.0	300.000
0.300	600.000	2152.040	1.548	0.158	0.0	47.195	-16.744	300.000
0.300	773.000	2153.404	1.364	0.038	0.0	206.634	-176.184	300.000
0.300	1153.000	2154.425	1.021	-0.003	0.0	308.832	-278.382	300.000
0.440	365.000	2155.556	0.0	5.064	0.0	29.374	0.0	1010.000
0.440	600.000	2156.662	1.106	4.623	0.0	155.832	-126.458	1010.000
0.440	773.000	2157.157	0.494	3.753	0.0	214.677	-185.302	1010.000
0.440	1153.000	2157.667	0.510	3.242	0.0	235.395	-206.021	1010.000
0.470	335.000	2161.502	0.0	5.946	0.0	28.406	0.0	150.000
0.470	560.000	2162.567	1.064	5.904	0.0	141.030	-112.624	150.000
0.470	715.000	2163.031	0.464	5.874	0.0	209.566	-181.160	150.000
0.470	1070.000	2163.581	0.550	5.914	0.0	231.912	-203.505	150.000
0.670	335.000	2173.150	0.0	11.648	0.0	24.946	0.0	930.000
0.670	560.000	2173.879	0.729	11.313	0.0	27.208	-2.262	930.000
0.670	715.000	2174.229	0.349	11.198	0.0	28.296	-3.350	930.000
0.670	1070.000	2175.221	0.993	11.640	0.0	31.354	-6.408	930.000
0.670	335.000	2173.495	0.0	0.245	0.0	26.026	0.0	50.000
0.670	560.000	2174.422	0.927	0.543	0.0	28.885	-2.858	50.000
0.670	715.000	2174.931	0.509	0.703	0.0	30.465	-4.439	50.000
0.670	1070.000	2176.072	1.141	0.851	0.0	34.006	-7.979	50.000
0.670	335.000	2173.495	0.0	0.0	0.0	26.015	0.0	20.000
0.670	560.000	2174.422	0.927	0.0	0.0	28.886	-2.871	20.000
0.670	715.000	2174.931	0.509	0.0	0.0	30.465	-4.451	20.000
0.670	1070.000	2178.384	3.453	2.313	0.0	281.550	-255.535	20.000
0.670	335.000	2173.544	0.0	0.049	0.0	26.155	0.0	10.000
0.670	560.000	2174.490	0.946	0.069	0.0	29.077	-2.917	10.000
0.670	715.000	2175.014	0.524	0.083	0.0	30.699	-4.540	10.000
0.670	1070.000	2178.402	3.388	0.018	0.0	282.944	-256.785	10.000
0.950	335.000	2199.528	0.0	25.984	0.0	15.505	0.0	1490.000
0.950	560.000	2200.592	1.064	26.102	0.0	18.548	-3.039	1490.000
0.950	715.000	2202.022	1.429	27.008	0.0	136.206	-120.697	1490.000
0.950	1070.000	2202.489	0.467	24.087	0.0	154.725	-139.216	1490.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE	ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
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8A Study Contractor Draft FIS Text