

PENWOOD BRANCH

FLOOD INSURANCE ZONE DATA FOR PENWOOD-MAIN ASHFORD

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

ZONE DATA

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2%	0.2%
31.000A	0.	-4.20	-.80	1.30
30.000C	1500.	-1.14	-.46	1.20
61.000C	3600.	-1.84	-.46	.89
41.000	3684.	-1.44	-.32	.67
21.000	3717.	-2.08	-.94	3.54
1.28.000D	3775.	-3.09	-1.24	3.60
531.000	5526.	-1.54	-.27	1.34
527.000	5650.	-1.50	-.28	1.12
534.000E	5693.	-2.06	-.54	2.06
53.000F	5777.	-2.50	-.78	2.70
-27.000G	6252.	-1.90	-.62	1.89
-25.000H	7802.	-1.54	-.51	1.17
25.000I	9752.	-1.61	-.58	1.00
251.000J	10477.	-1.34	-.42	.91
252.000K	10563.	-.94	-.22	.01
41.000	10591.	-.98	-.24	.79
41.000	10651.	-2.50	-1.00	2.69
24.000L	12174.	-1.24	-.33	.72
23.000M	12828.	-1.37	-.47	.89
231.000N	12997.	-3.50	-1.06	1.04
91.000O	13059.	-3.87	-1.30	9.71
49.000P	13128.	-5.26	-1.80	3.44
22.000Q	14179.	-5.05	-1.72	3.43
21.000R	15274.	-4.19	-1.60	3.29
20.000S	18278.	-1.26	-.39	.46
17.000T	18453.	-1.23	-.33	.78
15.000U	18873.	-1.55	-.52	.77
15.000V	19123.	-1.27	-.46	.94
16.000W	19353.	-1.59	-.67	1.04
148.000X	19553.	-1.35	-.46	1.14
13.000Y	20503.	-1.47	-.55	1.06
62.000Z	21693.	-1.45	-.57	1.16

WEIGHTED AVG FOR REACH		-2.25	-.73	1.79

FRE FOR THE REACH = 0.25 WITH 48.9% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = 5.5

FLOODWAY DATA, PENWOOD-MAIN ASHEBORO
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
31.000 A	125.	400.	5.2	614.3	614.3	0.
30.000 B	204.	502.	3.8	624.3	623.5	.8
41.000 C	200.	816.	2.8	635.8	635.4	.4
611.000	37.	235.	4.6	635.5	635.1	.4
241.000	37.	259.	8.6	636.5	635.8	.7
2.000 D	125.	538.	3.6	637.2	637.2	0.
531.000	135.	532.	3.8	647.1	646.6	.5
532.000	31.	260.	7.7	647.2	646.7	.5
534.000 E	31.	281.	7.1	647.4	647.5	-.1
54.000 F	145.	564.	3.5	648.3	648.0	.3
27.000 G	140.	575.	3.1	650.5	649.7	.8
26.000 H	150.	547.	3.2	654.0	657.4	-.3
25.000 I	153.	535.	3.3	659.4	663.2	-.3
251.000 J	200.	713.	2.5	673.4	672.8	.6
252.000 K	21.	181.	9.7	673.1	672.5	.6
211.000	21.	181.	9.7	673.2	672.6	.6
21.000	172.	621.	2.5	674.7	674.3	.4
22.000 L	178.	657.	2.7	681.5	680.8	.7
23.000 M	165.	582.	3.0	684.5	683.1	.7
231.000 N	12.	194.	16.9	690.3	690.1	.2
491.000 O	12.	52.	14.2	690.7	690.7	0.
49.000 P	115.	1462.	1.1	695.9	695.9	0.
22.000 Q	100.	652.	2.9	697.5	697.1	.4
21.000 R	133.	1053.	1.7	698.3	697.3	1.0
20.000 S	124.	745.	3.5	712.4	711.8	.6
17.000 T	133.	421.	3.4	713.7	713.1	.6
16.000 U	145.	278.	3.9	720.1	720.0	.1
15.000 V	100.	225.	4.8	723.9	723.9	0.
14.000 W	65.	132.	5.9	727.0	727.0	0.
14.000 X	44.	149.	5.7	730.7	730.7	0.
13.000 Y	75.	225.	3.5	740.5	740.2	.3
62.000 Z	55.	195.	5.0	747.6	747.3	.3

FLOODWAY AREA

FLOODWAY DATA, PENWOOD-BR. ASHEBORO
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
19.000 A	50.	103.	4.3	716.0	715.4	.6
18.000 B	48.	117.	3.7	759.0	758.8	.2
63.000 C	40.	41.	4.3	770.1	770.1	0.

FLOOD INSURANCE ZONE DATA FOR PENWOOD-BR. ASHBORO

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2+	0.26
19.000A	0.	-1.12	-.17	.35
18.000B	2500.	-1.06	-.49	1.07
63.000C	3000.	-.59	-.26	.41
WEIGHTED AVG FOR REACH		-1.07	-.33	.71

FHE FOR THE REACH = 010 WITH 100.0% OF THE REACH WITHIN .5 FEET
 ZONE FOR THE REACH = A 2

ZONE DATA

THIS RUN EXECUTED 01/12/79 04:07:49

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

PROFILES

PENWOOD-MAIN ASHEBORO
 SUMMARY PRINTOUT

	SEONO	Q	CWSEL	CRW5	FG	FLMIN	10K*5	K*CHSL	TOPWID	AREA	TELMX	XLBFL	RHEL
A	31.000	1022.00	610.10	0.	610.80	604.60	89.98	0.	34.41	152.44	617.70	611.20	611.90
	31.000	1842.00	613.50	0.	614.12	604.60	42.62	0.	104.07	353.59	617.70	611.20	611.90
	31.000	2301.00	614.30	0.	615.02	604.60	44.48	0.	125.94	445.59	617.70	611.20	611.90
	31.000	3550.00	615.60	0.	616.64	604.60	56.71	0.	162.47	632.91	617.70	611.20	611.90
B	30.000	1022.00	622.31	0.	622.64	617.00	69.94	8.27	374.16	450.59	629.10	622.30	620.70
	30.000	1842.00	623.04	0.	623.42	617.00	81.10	8.27	392.97	729.10	629.10	622.30	620.70
	30.000	2301.00	623.49	0.	623.85	617.00	72.77	8.27	402.92	911.81	629.10	622.30	620.70
	30.000	3550.00	624.70	0.	624.99	617.00	53.65	8.27	426.78	1413.04	629.10	622.30	620.70
C	51.000	1022.00	633.59	0.	633.96	627.10	43.79	4.81	199.32	373.98	643.60	630.20	631.20
	51.000	1842.00	634.94	0.	635.34	627.10	43.63	4.81	262.23	688.83	643.60	630.20	631.20
	51.000	2301.00	635.43	0.	635.86	627.10	46.96	4.81	281.28	818.83	643.60	630.20	631.20
	51.000	3550.00	636.32	0.	636.88	627.10	58.83	4.81	307.16	1082.63	643.60	630.20	631.20
*	511.000	1022.00	633.69	0.	634.29	627.49	17.83	4.64	37.00	164.28	644.00	639.00	639.10
	511.000	1842.00	634.81	0.	636.05	627.49	29.15	4.64	37.00	206.14	644.00	639.00	639.10
	511.000	2301.00	635.13	0.	636.87	627.49	38.71	4.64	37.00	217.56	644.00	639.00	639.10
	511.000	3550.00	635.80	635.80	639.13	627.49	66.85	4.64	37.00	242.39	644.00	639.00	639.10
*	281.000	1022.00	633.69	0.	634.29	627.49	17.79	0.	37.00	164.42	644.00	639.00	639.10
	281.000	1842.00	634.83	0.	636.07	627.49	29.05	0.	37.00	206.39	644.00	639.00	639.10
	281.000	2301.00	635.77	0.	637.18	627.49	28.39	0.	37.00	241.51	644.00	639.00	639.10
	281.000	3550.00	639.31	0.	640.69	627.49	18.71	0.	282.88	472.52	644.00	639.00	639.10
D	28.000	1022.00	634.09	634.09	634.08	628.30	135.50	13.73	172.54	246.65	645.00	631.70	633.20
	28.000	1842.00	635.94	0.	636.42	628.30	66.62	13.73	218.90	611.61	645.00	631.70	633.20
	28.000	2301.00	637.18	0.	637.49	628.30	39.94	13.73	254.49	902.06	645.00	631.70	633.20
	28.000	3550.00	640.78	0.	640.90	628.30	11.99	13.73	385.96	2066.09	645.00	631.70	633.20
531.000	880.00	645.02	0.	645.35	637.64	36.34	5.19	97.94	278.54	657.94	643.64	641.84	
	1594.00	646.29	0.	646.83	637.64	50.49	5.19	127.65	422.57	657.94	643.64	641.84	
	1997.00	646.55	0.	647.29	637.64	67.53	5.19	134.75	457.75	657.94	643.64	641.84	

531.000	3060.00	647.90	0.	648.78	637.64	73.02	5.19	170.30	662.28	657.94	643.64	641.84
532.000	880.00	645.16	0.	645.46	636.81	6.82	-9.88	31.00	199.35	656.80	650.20	650.20
532.000	1594.00	646.39	0.	647.09	636.81	13.51	-9.88	31.00	237.27	656.80	650.20	650.20
532.000	1997.00	646.66	0.	647.69	636.81	19.16	-9.88	31.00	245.81	656.80	650.20	650.20
532.000	3060.00	647.78	0.	649.63	636.81	30.92	-9.88	31.00	280.53	656.80	650.20	650.20

531.000	3060.00	647.90	0.	648.78	637.64	73.02	5.19	170.30	662.28	657.94	643.64	641.84
532.000	880.00	645.16	0.	645.46	636.81	6.82	-9.88	31.00	199.35	656.80	650.20	650.20
532.000	1594.00	646.39	0.	647.09	636.81	13.51	-9.88	31.00	237.27	656.80	650.20	650.20
532.000	1997.00	646.66	0.	647.69	636.81	19.16	-9.88	31.00	245.81	656.80	650.20	650.20
532.000	3060.00	647.78	0.	649.63	636.81	30.92	-9.88	31.00	280.53	656.80	650.20	650.20

	SECNO	Q	CWSEL	CRWS	EG	ELMIN	10K*5	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RBEL
	534.000	480.00	645.39	0.	645.67	636.81	6.17	0.	31.00	206.33	656.80	650.20	650.20
U	534.000	1594.00	646.91	0.	647.53	636.81	11.16	0.	31.00	253.64	656.80	650.20	650.20
	534.000	1997.00	647.45	0.	648.30	636.81	14.62	0.	31.00	270.33	656.80	650.20	650.20
	534.000	3060.00	649.51	0.	650.81	636.81	19.01	0.	31.00	333.96	656.80	650.20	650.20
	53.000	580.00	645.51	0.	645.99	638.70	55.62	22.50	87.23	226.17	659.00	644.70	642.90
V	53.000	1594.00	647.23	0.	647.81	638.70	54.81	22.50	124.57	407.93	659.00	644.70	642.90
	53.000	1997.00	648.01	0.	648.61	638.70	52.89	22.50	145.47	514.37	659.00	644.70	642.90
	53.000	3060.00	650.71	0.	651.11	638.70	29.87	22.50	209.41	995.65	659.00	644.70	642.90
	27.000	770.00	648.03	0.	648.17	643.00	38.14	9.05	353.82	507.83	655.80	647.20	646.60
G	27.000	1403.00	649.31	0.	649.41	643.00	23.22	9.05	412.57	995.03	655.80	647.20	646.60
	27.000	1762.00	649.93	0.	650.02	643.00	19.56	9.05	442.06	1260.36	655.80	647.20	646.60
	27.000	2690.00	651.82	0.	651.87	643.00	10.34	9.05	492.98	2143.42	655.80	647.20	646.60
	26.000	770.00	655.78	0.	656.24	650.30	64.73	4.71	125.21	229.48	665.30	653.00	653.40
H	26.000	1403.00	656.84	0.	657.48	650.30	78.90	4.71	144.80	376.19	665.30	653.00	653.40
	26.000	1762.00	657.35	0.	658.05	650.30	81.74	4.71	149.83	451.32	665.30	653.00	653.40
	26.000	2690.00	658.53	0.	659.32	650.30	82.91	4.71	161.36	633.33	665.30	653.00	653.40
	25.000	770.00	667.58	0.	667.90	661.70	55.45	5.85	259.73	345.67	676.90	666.50	664.60
I	25.000	1403.00	668.71	0.	668.97	661.70	46.77	5.85	310.41	668.42	676.90	666.50	664.60
	25.000	1762.00	669.19	0.	669.44	661.70	45.17	5.85	332.30	822.17	676.90	666.50	664.60
	25.000	2690.00	670.19	0.	670.44	661.70	43.09	5.85	367.01	1175.74	676.90	666.50	664.60
	251.000	770.00	671.48	0.	671.79	665.56	51.70	5.32	262.05	359.21	680.76	670.36	668.46
J	251.000	1403.00	672.40	0.	672.72	665.56	56.15	5.32	302.90	616.95	680.76	670.36	668.46
	251.000	1762.00	672.82	0.	673.14	665.56	56.31	5.32	322.10	750.21	680.76	670.36	668.46
	251.000	2690.00	673.73	0.	674.06	665.56	56.18	5.32	358.60	1060.05	680.76	670.36	668.46
	252.000	770.00	671.57	0.	671.99	663.33	10.23	-25.93	21.00	147.68	690.90	678.60	677.90
K	252.000	1403.00	672.29	0.	673.44	663.33	25.97	-25.93	21.00	162.89	690.90	678.60	677.90
	252.000	1762.00	672.51	0.	674.23	663.33	37.37	-25.93	21.00	167.64	690.90	678.60	677.90
	252.000	2690.00	672.52	672.51	676.51	663.33	88.19	-25.93	21.00	167.70	690.90	678.60	677.90
	511.000	770.00	671.57	0.	671.99	663.33	10.22	0.	21.00	147.75	690.90	678.60	677.90
	511.000	1403.00	672.31	0.	673.46	663.33	25.82	0.	21.00	163.23	690.90	678.60	677.90
	511.000	1762.00	672.55	0.	674.25	663.33	37.49	0.	21.00	168.27	690.90	678.60	677.90
	511.000	2690.00	673.34	0.	676.63	663.33	67.86	0.	21.00	184.80	690.90	678.60	677.90
	51.000	770.00	671.76	671.35	672.61	666.50	147.28	51.13	129.94	156.79	686.60	669.60	671.20
	51.000	1403.00	673.25	0.	673.88	666.50	93.98	51.13	184.34	403.20	686.60	669.60	671.20
	51.000	1762.00	674.26	0.	674.88	666.50	59.64	51.13	195.55	594.04	686.60	669.60	671.20
	51.000	2690.00	676.94	0.	677.15	666.50	23.91	51.13	224.74	1158.87	686.60	669.60	671.20
	24.000	770.00	679.70	0.	679.87	673.70	28.08	4.72	371.45	501.06	689.70	676.90	677.70
L	24.000	1403.00	680.61	0.	680.79	673.70	29.58	4.72	407.20	858.75	689.70	676.90	677.70
	24.000	1762.00	680.94	0.	681.14	673.70	32.63	4.72	414.22	993.70	689.70	676.90	677.70
	24.000	2690.00	681.66	0.	681.89	673.70	38.15	4.72	427.77	1296.85	689.70	676.90	677.70
M	23.000	770.00	682.78	0.	683.19	677.40	71.70	5.69	237.30	299.32	690.10	681.00	681.30

M	23.000	1403.00	683.72	0.	684.12	677.40	70.98	5.69	289.08	551.82	690.10	681.00	681.30
	23.000	1762.00	684.14	0.	684.54	677.40	70.22	5.69	303.82	676.17	690.10	681.00	681.30
	23.000	2690.00	685.03	0.	685.43	677.40	69.29	5.69	334.76	961.02	690.10	681.00	681.30

	SECHO	Q	CWSEL	CRIS	EG	ELMIN	10K#S	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RBEL
*	231.000	770.00	686.63	686.63	689.15	679.08	95.15	9.94	12.00	60.40	691.20	685.10	685.10
*	231.000	1403.00	689.07	689.07	692.87	679.08	98.44	9.94	12.00	89.66	691.20	685.10	685.10
*	231.000	1762.00	690.13	690.13	694.73	679.08	106.26	9.94	12.00	102.37	691.20	685.10	685.10
*	231.000	2690.00	691.16	691.16	691.21	679.08	3.57	9.94	426.70	2811.63	691.20	685.10	685.10
	491.000	770.00	686.80	0.	691.23	680.49	224.86	22.74	12.00	45.58	692.61	686.51	686.51
	491.000	1403.00	689.36	0.	694.61	680.49	157.37	22.74	12.00	76.32	692.61	686.51	686.51
*	491.000	1762.00	690.67	0.	696.37	680.49	144.32	22.74	12.00	91.96	692.61	686.51	686.51
*	491.000	2690.00	700.38	0.	700.38	680.49	.30	22.74	474.06	6428.43	692.61	686.51	686.51
	49.000	770.00	691.63	0.	691.69	678.80	.68	-24.49	255.47	1685.93	699.60	683.30	684.40
	49.000	1403.00	695.14	0.	695.15	678.80	.66	-24.49	290.30	2628.25	699.60	683.30	684.40
	49.000	1762.00	696.94	0.	696.95	678.80	.62	-24.49	305.59	3165.29	699.60	683.30	684.40
	49.000	2690.00	700.38	0.	700.34	678.80	.62	-24.49	330.26	4267.19	699.60	683.30	684.40
	22.000	770.00	691.97	0.	691.98	685.40	4.95	6.29	545.75	1294.78	695.20	688.10	688.70
	22.000	1403.00	695.24	0.	695.24	685.40	1.12	6.29	644.30	3254.67	695.20	688.10	688.70
	22.000	1762.00	697.01	0.	697.02	685.40	.73	6.29	656.94	4410.92	695.20	688.10	688.70
	22.000	2690.00	700.44	0.	700.44	685.40	.46	6.29	680.37	6697.92	695.20	688.10	688.70
	21.000	770.00	693.14	0.	693.31	686.60	18.36	1.09	173.14	377.14	701.50	690.50	691.80
	21.000	1403.00	695.74	0.	695.85	686.60	9.27	1.09	223.80	901.86	701.50	690.50	691.80
	21.000	1762.00	697.33	0.	697.42	686.60	6.11	1.09	242.05	1275.22	701.50	690.50	691.80
	21.000	2690.00	700.63	0.	700.69	686.60	3.66	1.09	279.54	2134.13	701.50	690.50	691.80
	20.000	529.00	710.52	709.30	711.14	705.30	99.61	6.23	204.25	134.68	718.00	709.50	709.60
	20.000	879.00	711.39	0.	711.98	705.30	97.32	6.23	259.04	339.92	718.00	709.50	709.60
	20.000	1238.00	711.74	0.	712.32	705.30	92.32	6.23	275.75	443.88	718.00	709.50	709.60
	20.000	1930.00	712.65	0.	713.12	705.30	78.46	5.23	305.82	708.52	718.00	709.50	709.60
	17.000	452.00	711.84	0.	712.09	706.60	34.96	7.43	55.75	142.55	718.70	710.50	708.40
	17.000	852.00	712.74	0.	713.20	706.60	53.50	7.43	205.84	253.38	718.70	710.50	708.40
	17.000	1079.00	713.07	0.	713.60	706.60	61.02	7.43	222.35	326.51	718.70	710.50	708.40
	17.000	1700.00	713.84	0.	714.50	706.60	72.00	7.43	255.49	509.70	718.70	710.50	708.40
*	16.000	452.00	718.44	718.44	719.47	714.50	221.70	18.81	62.72	77.51	728.90	717.60	716.90
*	16.000	852.00	719.67	719.67	720.52	714.50	153.94	18.81	141.08	217.75	728.90	717.60	716.90
*	16.000	1079.00	719.99	719.99	720.92	714.50	165.92	18.81	145.19	263.30	728.90	717.60	716.90
*	16.000	1700.00	720.75	720.75	721.80	714.50	177.93	18.81	155.10	378.38	728.90	717.60	716.90
	15.000	452.00	722.59	0.	723.09	719.00	104.86	18.00	74.80	121.31	730.60	720.50	721.20
	15.000	852.00	723.40	0.	724.19	719.00	140.00	18.00	92.06	188.96	730.60	720.50	721.20
	15.000	1079.00	723.87	0.	724.73	719.00	140.32	18.00	101.90	233.80	730.60	720.50	721.20
	15.000	1700.00	724.81	0.	725.87	719.00	149.32	18.00	119.71	338.69	730.60	720.50	721.20
	14.000	452.00	725.45	0.	726.11	722.30	153.35	14.35	52.44	85.04	735.90	724.70	724.20
	14.000	852.00	726.58	0.	727.46	722.30	141.47	14.35	62.35	149.40	735.90	724.70	724.20
	14.000	1079.00	727.04	0.	728.07	722.30	145.91	14.35	66.44	179.23	735.90	724.70	724.20
	14.000	1700.00	728.09	0.	729.47	722.30	155.41	14.35	75.66	253.31	735.90	724.70	724.20
X	142.000	458.00	729.33	0.	729.93	726.90	229.06	23.00	65.01	97.02	741.10	729.10	734.80

By Cont.

X 148.000	852.00	730.22	0.	731.02	726.90	214.39	23.00	69.47	157.13	741.10	729.10	734.80
148.000	1079.00	730.69	0.	731.56	726.90	201.11	23.00	76.85	191.47	741.10	729.10	734.80
148.000	1700.00	730.32	0.	732.82	726.90	175.97	23.00	96.70	289.07	741.10	729.10	734.80

SFCNO	Q	CWSEL	CRIS	EG	ELMIN	10K*S	K*CHSL	TOPWID	AREA	TELMX	XLBEL	REEL
13.000	458.00	738.71	0.	738.95	734.60	59.55	8.11	118.08	186.38	754.60	738.20	738.90
13.000	852.00	739.72	0.	740.02	734.60	60.29	8.11	128.75	310.09	754.60	738.20	738.90
13.000	1079.00	740.18	0.	740.50	734.60	60.99	8.11	134.20	370.68	754.60	738.20	738.90
13.000	1700.00	741.24	0.	741.63	734.60	62.41	8.11	146.64	518.48	754.60	738.20	738.90
62.000	414.00	745.44	0.	745.77	741.00	63.94	5.82	39.09	91.83	763.00	745.70	747.10
62.000	773.00	746.74	0.	747.23	741.00	69.80	5.82	49.97	152.59	763.00	745.70	747.10
62.000	980.00	747.31	0.	747.88	741.00	71.81	5.82	55.92	181.74	763.00	745.70	747.10
62.000	1560.00	748.47	746.92	749.22	741.00	73.65	5.82	216.45	329.12	763.00	745.70	747.10

PENWOOD-MAIN ASHEBORO

SUMMARY PRINTOUT

SECNO	QLOB	OROR	QCH	VLOB
31.000	0.	0.	1022.00	0.
31.000	38.65	29.65	1773.69	.59
31.000	84.63	69.18	2147.19	1.09
31.000	258.36	198.51	3093.13	1.68
30.000	240.12	132.15	649.73	1.14
30.000	584.69	337.64	919.67	1.58
30.000	809.47	476.47	1015.06	1.72
30.000	1432.97	886.24	1230.75	1.94
61.000	203.21	57.57	761.22	1.14
61.000	549.93	216.62	1075.45	1.54
61.000	742.04	317.64	1241.32	1.74
61.000	1279.21	610.61	1669.17	2.25
611.000	0.	0.	1022.00	0.
611.000	0.	0.	1842.00	0.
611.000	0.	0.	2301.00	0.
* 611.000	0.	0.	3550.00	0.
281.000	0.	0.	1022.00	0.
281.000	0.	0.	1842.00	0.
281.000	0.	0.	2301.00	0.
* 281.000	27.84	3.81	3518.34	.35
28.000	43.53	170.97	807.50	1.53
28.000	141.16	719.65	981.19	1.57
28.000	233.32	1056.54	1011.14	1.53
28.000	629.41	1878.07	1042.52	1.13
531.000	4.71	163.80	711.48	.58
531.000	44.14	406.92	1142.34	1.04
531.000	67.77	533.66	1395.57	1.36
531.000	193.85	976.41	1689.75	1.99
532.000	0.	0.	880.00	0.
532.000	0.	0.	1594.00	0.
532.000	0.	0.	1997.00	0.
532.000	0.	0.	3060.00	0.
534.000	0.	0.	880.00	0.
534.000	0.	0.	1594.00	0.
534.000	0.	0.	1997.00	0.
534.000	0.	0.	3060.00	0.
53.000	1.30	127.79	750.90	.48

53.000	39.87	398.27	1155.86	1.07
53.000	86.40	567.21	1343.39	1.36
53.000	283.80	1157.43	1618.77	1.67
27.000	207.07	156.33	406.60	1.04
27.000	419.57	472.03	511.40	1.13
27.000	540.25	654.55	567.20	1.15
27.000	863.08	1165.69	661.22	1.09

SECNO	QLOB	QPOH	QCH	VLOB
26.000	82.35	76.80	610.85	1.33
26.000	209.26	249.79	943.95	1.95
26.000	287.29	369.26	1105.45	2.19
26.000	501.94	710.48	1477.58	2.64
25.000	115.53	144.34	510.13	.80
25.000	439.61	308.01	655.38	1.22
25.000	635.12	397.94	728.95	1.37
25.000	1162.47	628.58	898.94	1.65
251.000	122.90	146.17	501.03	.80
251.000	413.16	303.82	686.01	1.27
251.000	598.70	393.54	769.76	1.44
251.000	1110.32	623.10	956.58	1.78
252.000	0.	0.	770.00	0.
252.000	0.	0.	1403.00	0.
252.000	0.	0.	1762.00	0.
252.000	0.	0.	2690.00	0.
511.000	0.	0.	770.00	0.
511.000	0.	0.	1403.00	0.
511.000	0.	0.	1762.00	0.
511.000	0.	0.	2690.00	0.
51.000	113.72	22.66	633.62	2.32
51.000	223.53	328.98	850.49	2.54
51.000	277.84	592.05	892.11	2.32
51.000	432.87	1259.63	997.50	1.85
24.000	249.06	25.30	495.94	.72
24.000	661.30	73.11	668.59	1.03
24.000	892.96	101.99	767.05	1.18
24.000	1515.38	183.47	991.15	1.51
23.000	119.42	96.15	554.42	1.00
23.000	385.50	263.65	752.85	1.44
23.000	554.96	361.54	845.50	1.62
23.000	1009.01	621.75	1059.23	1.96
* 231.000	0.	0.	770.00	0.
* 231.000	0.	0.	1403.00	0.
* 231.000	0.	0.	1762.00	0.
* 231.000	1441.13	792.51	456.36	.82
491.000	0.	0.	770.00	0.
491.000	0.	0.	1403.00	0.
* 491.000	0.	0.	1762.00	0.
* 491.000	1551.64	778.80	359.56	.37
49.000	127.48	359.18	283.34	.33

49.000	268.19	711.70	423.11	.41
49.000	354.59	915.68	491.72	.44
49.000	579.43	1443.66	666.92	.51

SECNO	QLOS	QROH	QCH	VIOR
22.000	212.63	344.72	212.65	.50
22.000	447.36	731.01	224.63	.38
22.000	588.21	931.71	242.08	.36
22.000	936.48	1444.97	308.55	.37
21.000	18.28	111.31	640.41	.60
21.000	91.83	449.68	861.49	.74
21.000	158.08	660.21	943.71	.75
21.000	338.92	1163.08	1188.00	.78
20.000	8.19	28.10	492.71	.75
20.000	58.00	252.28	667.72	1.20
20.000	97.18	402.55	736.27	1.38
20.000	220.00	832.72	877.28	1.67
17.000	6.58	42.92	408.39	.53
17.000	59.48	93.30	698.82	.80
17.000	114.50	132.72	831.78	1.00
17.000	304.65	269.77	1125.58	1.47
16.000	1.56	38.62	417.83	.96
16.000	14.37	244.37	593.25	1.46
16.000	21.46	366.81	690.33	1.67
16.000	47.56	737.80	914.64	2.08
15.000	74.38	6.36	377.27	1.39
15.000	203.89	24.95	623.15	2.12
15.000	295.03	41.51	742.46	2.36
15.000	555.05	103.90	1041.06	2.88
14.000	.93	21.92	435.15	.75
14.000	19.02	100.05	741.92	1.31
14.000	18.32	150.09	919.60	1.54
14.000	50.47	301.33	1348.20	2.04
14.000	75.86	0.	382.14	1.87
14.000	201.37	0.	650.63	2.63
14.000	282.10	0.	796.89	2.88
14.000	528.16	0.	1171.84	3.21
13.000	110.88	0.	347.12	1.02
13.000	313.52	1.27	537.22	1.51
13.000	436.14	4.17	638.69	1.72
13.000	781.60	20.84	897.56	2.15
62.000	.59	0.	413.41	.33
62.000	25.12	0.	747.88	1.17
62.000	45.83	.09	934.08	1.47
62.000	107.46	59.45	1393.09	1.86

PENWOOD-MAIN ASHEBORO

SUMMARY PRINTOUT

VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
6.704	5.50	1103.41	1137.82	0.	0.	.70
6.425	8.90	1066.67	1170.73	0.	3.40	.62
7.025	9.70	1054.55	1180.49	0.	.80	.72
8.744	11.00	1033.87	1196.34	0.	1.30	1.04
5.719	5.31	1020.97	1413.89	1500.00	0.	.33
6.870	6.04	1019.76	1422.93	1500.00	.72	.38
6.918	6.49	1018.99	1428.67	1500.00	.46	.35
6.819	7.70	1016.96	1443.75	1500.00	1.20	.29
5.647	6.49	1081.65	1280.97	2100.00	0.	.37
6.477	7.84	1056.50	1318.73	2100.00	1.35	.39
7.013	8.33	1049.37	1330.66	2100.00	.48	.43
8.447	9.22	1044.94	1352.10	2100.00	.89	.56
6.221	6.20	1259.00	1296.00	84.00	0.	.60
8.936	7.32	1259.00	1296.00	84.00	1.12	1.24
10.576	7.64	1259.00	1296.00	84.00	.32	1.74
14.646	8.31	1259.00	1296.00	84.00	.57	3.33
6.216	6.20	1259.00	1296.00	33.00	0.	.60
8.925	7.34	1259.00	1296.00	33.00	1.13	1.24
9.528	8.28	1259.00	1296.00	33.00	.94	1.41
9.450	11.82	1106.23	1389.10	33.00	3.54	1.37
6.518	5.79	1173.13	1345.67	59.00	0.	.90
7.442	7.64	1154.60	1373.51	59.00	1.89	.48
6.461	8.88	1135.68	1390.16	59.00	1.24	.31
4.558	12.48	1036.22	1422.18	59.00	3.50	.12
5.152	7.38	1145.95	1243.89	1800.00	0.	.34
6.884	8.65	1127.94	1255.58	1800.00	1.27	.54
8.123	8.91	1126.92	1261.68	1800.00	.27	.74
9.388	10.26	1121.85	1292.15	1800.00	1.34	.88
4.414	8.35	1413.00	1444.00	84.00	0.	.30
6.718	9.58	1413.00	1444.00	84.00	1.23	.70
8.124	9.85	1413.00	1444.00	84.00	.28	1.02
10.908	10.97	1413.00	1444.00	84.00	1.12	1.85
4.265	8.58	1413.00	1444.00	33.00	0.	.28
6.285	10.10	1413.00	1444.00	33.00	1.53	.61
7.387	10.64	1413.00	1444.00	33.00	.54	.85
9.163	12.70	1413.00	1444.00	33.00	2.06	1.30
5.981	6.81	1153.24	1240.47	84.00	0.	.48

7.076	8.53	1128.37	1252.94	84.00	1.72	.58
7.435	9.31	1125.39	1270.86	84.00	.78	.60
6.749	12.01	1114.05	1323.46	84.00	2.70	.40
4.049	5.03	1140.57	1494.39	475.00	0.	.14
3.824	6.31	1113.92	1526.49	475.00	1.28	.09
3.786	6.93	1099.18	1541.24	475.00	.62	.08
3.325	8.82	1087.39	1580.37	475.00	1.89	.05

VCH	DEPTH	SSTA	ENDST	XLCH	DIF#SP	HV
6.126	5.48	1114.10	1239.32	1550.00	0.	.47
7.736	6.54	1108.79	1253.60	1550.00	1.07	.64
8.329	7.05	1106.24	1256.07	1550.00	.51	.70
9.394	8.23	1100.40	1261.75	1550.00	1.17	.80
5.584	5.88	1141.32	1401.05	1950.00	0.	.33
5.866	7.01	1105.94	1416.35	1950.00	1.13	.27
6.057	7.49	1090.52	1422.82	1950.00	.48	.26
6.494	8.44	1069.38	1436.39	1950.00	1.00	.25
5.429	5.92	1139.70	1401.75	725.00	0.	.30
6.311	6.84	1111.19	1414.08	725.00	.92	.32
6.614	7.26	1097.75	1419.85	725.00	.42	.32
7.210	8.17	1073.48	1432.08	725.00	.91	.32
5.214	8.24	1193.00	1214.00	86.00	0.	.42
8.613	8.96	1193.00	1214.00	86.00	.72	1.15
10.510	9.18	1193.00	1214.00	86.00	.22	1.72
10.040	9.19	1193.00	1214.00	86.00	.01	4.00
5.211	8.24	1193.00	1214.00	28.00	0.	.42
8.595	8.98	1193.00	1214.00	28.00	.74	1.15
10.471	9.22	1193.00	1214.00	28.00	.24	1.70
14.557	10.01	1193.00	1214.00	28.00	.79	3.29
8.136	5.26	1072.77	1202.71	62.00	0.	.86
7.999	6.75	1068.48	1252.81	62.00	1.50	.63
7.113	7.76	1062.39	1257.94	62.00	1.00	.43
5.654	10.44	1046.89	1271.63	62.00	2.69	.21
4.204	6.00	1117.99	1489.44	1525.00	0.	.18
4.812	6.91	1094.35	1501.56	1525.00	.91	.18
5.236	7.24	1089.81	1504.02	1525.00	.33	.20
6.080	7.96	1081.65	1509.41	1525.00	.72	.23
6.020	5.38	1179.02	1416.33	650.00	0.	.41
6.783	6.32	1141.56	1436.64	650.00	.95	.40
7.082	6.74	1133.17	1436.99	650.00	.42	.40
7.720	7.63	1115.34	1450.10	650.00	.89	.40
12.749	7.55	1322.00	1334.00	169.00	0.	2.52
15.648	9.99	1322.00	1334.00	169.00	2.44	3.80
17.212	11.05	1322.00	1334.00	169.00	1.06	4.60
3.975	12.08	1046.55	1473.25	169.00	1.04	.05
16.893	6.31	1322.00	1334.00	62.00	0.	4.43
18.384	8.87	1322.00	1334.00	62.00	2.56	5.25
19.160	10.18	1322.00	1334.00	62.00	1.30	5.70
1.725	19.89	1000.00	1474.00	62.00	9.71	.01
1.065	12.88	1047.93	1303.40	69.00	0.	.01

1.238	15.34	1033.40	1323.70	69.00	3.46	.01
1.289	18.14	1028.71	1334.31	69.00	1.80	.01
1.458	21.58	1019.74	1350.00	69.00	3.44	.01

VCH	DEPTH	SSTA	ENDST	XLCH	OIFWSP	HV
1.852	6.57	1074.19	1619.93	1050.00	0.	.02
1.225	9.84	1000.00	1644.30	1050.00	3.27	.01
1.097	11.61	1000.00	1656.94	1050.00	1.78	.00
1.055	15.04	1000.00	1680.37	1050.00	3.43	.00
3.608	6.54	1060.97	1234.11	1100.00	0.	.17
3.309	9.14	1035.31	1259.11	1100.00	2.59	.11
3.028	10.73	1025.50	1267.54	1100.00	1.60	.08
2.849	14.03	1005.34	1284.88	1100.00	3.29	.06
6.576	5.22	1098.86	1303.11	3000.00	0.	.63
7.374	6.09	1066.90	1325.94	3000.00	.87	.54
7.548	6.48	1060.42	1336.17	3000.00	.39	.54
7.711	7.32	1047.49	1353.30	3000.00	.90	.45
4.245	5.24	1150.96	1206.72	175.00	0.	.25
5.979	6.14	1058.53	1264.34	175.00	.90	.46
6.669	6.47	1053.41	1275.76	175.00	.33	.54
7.910	7.24	1045.03	1300.52	175.00	.78	.66
* 8.537	3.94	1080.14	1201.99	420.00	0.	1.04
* 8.804	5.17	1074.50	1215.57	420.00	1.23	.85
* 9.567	5.49	1073.03	1218.22	420.00	.32	.93
* 10.834	6.25	1069.51	1224.61	420.00	.77	1.05
6.181	3.59	1092.95	1167.75	250.00	0.	.49
4.240	4.40	1081.37	1173.43	250.00	.81	.79
4.844	4.87	1074.76	1176.67	250.00	.46	.95
10.315	5.81	1061.29	1181.60	250.00	.94	1.06
6.646	3.15	1075.72	1128.15	230.00	0.	.65
8.031	4.25	1070.87	1133.22	230.00	1.12	.88
8.798	4.74	1068.86	1135.31	230.00	.47	1.03
10.490	5.79	1064.35	1140.01	230.00	1.04	1.38
6.759	2.43	1082.84	1176.54	200.00	0.	.60
4.681	3.32	1082.74	1177.10	200.00	.39	.80
8.534	3.79	1047.03	1177.40	200.00	.45	.87
9.405	4.92	1038.59	1178.11	200.00	1.14	1.00
4.492	4.11	1079.77	1197.85	950.00	0.	.24
5.350	5.12	1075.42	1204.16	950.00	1.01	.29
5.754	5.54	1073.43	1207.62	950.00	.46	.32
6.638	6.64	1068.87	1215.52	950.00	1.06	.39
4.590	4.44	1243.41	1288.00	1100.00	0.	.33
5.706	5.74	1241.17	1291.14	1100.00	1.30	.49
6.225	6.31	1240.20	1296.11	1100.00	.57	.58
7.360	7.47	1216.60	1433.06	1100.00	1.16	.76

PENWOOD-MAIN ASHERORD

SUMMARY PRINTOUT TABLE 100

SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPP	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
281.000	634.24	636.13	0.	639.00	1022.00	0.	1.00	.00	6.20	633.69	6.22	634.29
281.000	636.07	636.13	0.	639.00	1842.00	0.	1.00	.01	7.34	634.83	8.92	636.07
281.000	636.88	636.13	637.18	639.00	2301.00	0.	10.00	.03	8.28	635.77	9.53	637.18
281.000	639.14	636.13	640.68	639.00	3552.60	0.	30.00	0.	11.82	639.31	9.45	640.69
534.000	645.67	648.06	0.	650.20	880.00	0.	1.00	.23	8.58	645.39	4.26	645.67
534.000	647.53	648.06	0.	650.20	1594.00	0.	1.00	.53	10.10	646.91	6.28	647.53
534.000	648.30	648.06	648.04	650.20	1997.00	0.	1.00	.79	10.64	647.45	7.39	648.30
534.000	650.62	648.06	651.03	650.20	2858.45	81.09	30.00	1.47	12.70	649.51	9.16	650.81
511.000	671.99	677.30	0.	677.90	770.00	0.	1.00	.00	8.24	671.57	5.21	671.99
511.000	673.46	677.30	0.	677.90	1403.00	0.	1.00	.02	8.98	672.31	8.60	673.46
511.000	674.25	677.30	0.	677.90	1762.00	0.	1.00	.04	9.22	672.55	10.47	674.25
511.000	676.63	677.30	0.	677.90	2690.00	0.	2.00	0.	10.01	673.34	14.56	676.63
491.000	691.23	692.49	0.	696.64	770.00	0.	1.00	.18	6.31	686.80	16.89	691.23
491.000	694.61	692.49	692.41	696.64	1403.00	0.	1.00	.30	8.87	689.36	18.38	694.61
491.000	696.37	692.49	696.40	696.64	1762.00	0.	2.00	0.	10.18	690.67	19.16	696.37
491.000	702.89	692.49	703.46	696.64	1683.75	1008.21	30.00	.00	19.89	700.38	1.72	700.38

SUMMARY OF ERRORS

CAUTION SECNO= 511.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 611.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 281.000 PROFILE= 4 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 28.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 28.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 511.000 PROFILE= 4 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 231.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 241.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 231.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 231.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 231.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 231.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 231.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 231.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 491.000 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 491.000 PROFILE= 4 WSEL ASSUMED BASED ON MIN DIFF

THIS RUN EXECUTED 02/09/79 01:45:36

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

(Final Floodway)

T1 FIS RANDOLPH CO. N.C. 12-5-78
T2 FLOODWAY--NATURAL PROFILE
T3 PENWOOD--MAIN ASHERORO

J1	ICHECK	INC	NTIV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	614.300	0.
J2	NPROF	IPLOT	PREVS	XSEC	XSECH	FO	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	100.000	105.000	110.000	200.000	0.	0.	0.	0.	0.	0.
J4	LEFT	WVSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J5	I-LEF	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
SC	.127	.127	.052	.100	.300	0.	0.	0.	0.	0.
GT	3.000	2301.000	2301.000	2301.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1055.000	1140.000
X1	11.000	11.000	1103.000	1140.000	0.	0.	0.	0.	0.	0.
GR	617.700	1000.000	614.600	1050.000	611.400	1100.000	611.200	1103.000	605.800	1105.000
GR	604.600	1121.000	605.300	1132.000	611.900	1140.000	611.800	1150.000	615.900	1200.000
GR	618.500	1220.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1104.000	1308.000
X1	21.000	21.000	1240.000	1268.000	1500.000	1500.000	1500.000	0.	0.	0.
GR	634.800	1000.000	621.700	1022.000	620.500	1050.000	620.900	1100.000	621.200	1150.000
GR	622.200	1200.000	622.300	1240.000	617.900	1144.000	617.000	1250.000	618.400	1264.000
GR	620.700	1238.000	624.400	1279.000	622.400	288.000	622.100	1300.000	620.700	1350.000
GR	621.200	1400.000	625.200	1450.000	626.000	500.000	626.500	1550.000	627.300	1600.000
GR	620.100	1650.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1300.000

X1	61.000	14.000	1200.000	1223.000	2100.000	2100.000	2100.000	0.	0.	0.
GR	645.400	1000.000	635.300	1050.000	632.600	1100.000	632.400	1150.000	630.200	1200.000
GR	627.500	1203.000	627.300	1210.000	627.100	1220.000	631.200	1223.000	632.600	1250.000
GR	634.200	1300.000	636.200	1350.000	639.100	1400.000	643.600	1450.000	0.	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1259.000	1296.000

X1	611.000	25.000	1259.000	1296.000	84.000	84.000	84.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	636.130	636.030	0.
GR	645.000	1000.000	641.000	1050.000	639.400	1100.000	638.700	1150.000	638.500	1200.000
GR	639.000	1250.000	639.000	1258.000	639.000	1259.000	631.990	1259.000	628.490	1264.000
GR	627.990	1269.000	627.490	1274.000	627.890	1279.000	628.250	1284.000	631.090	1269.000
GR	632.490	1294.000	632.390	1296.000	639.100	1296.000	639.100	1298.000	639.000	1350.000
GR	639.400	1400.000	640.200	1450.000	641.500	1500.000	642.700	1550.000	644.000	1600.000
S-	.460	1.500	2.600	0.	21.000	.100	245.300	1.330	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1259.000	1296.000

X1	241.000	0.	0.	0.	33.000	33.000	33.000	0.	0.	0.
X2	0.	0.	1.000	636.130	639.000	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	639.000	639.100	0.
NC	0.	0.	.052	.100	.300	0.	0.	0.	0.	0.
BT	4.000	1090.000	645.000	645.000	1259.000	639.000	636.130	1296.000	639.000	636.030
BT	1690.000	644.000	644.000	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1197.000	1321.000

X1	28.000	17.000	1197.000	1217.000	59.000	59.000	59.000	0.	0.	0.
GR	645.200	1000.000	640.200	1041.000	639.400	1050.000	639.100	1100.000	636.400	1150.000
GR	641.700	1197.000	629.400	1200.000	628.300	1207.000	628.900	1214.000	633.200	1217.000
GR	632.500	1250.000	633.100	1268.000	632.900	1300.000	634.200	1350.000	637.900	1400.000
GR	641.800	1430.000	645.000	1500.000	0.	0.	0.	0.	0.	0.
BT	3.000	1997.000	1997.000	1997.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1127.000	1262.000

X1	531.000	18.000	1150.000	1182.000	1800.000	1800.000	1800.000	0.	0.	0.
GR	658.340	1000.000	655.240	1050.000	651.140	1100.000	649.440	1116.000	645.740	1130.000
GR	644.840	1150.000	643.640	1160.000	637.640	1164.000	637.240	1172.000	638.540	1179.000
GR	641.840	1182.000	642.340	1200.000	643.540	1235.000	646.040	1250.000	648.240	1300.000
GR	651.240	1350.000	653.840	1400.000	657.940	1430.000	0.	0.	0.	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1413.000	1444.000

X1	532.000	24.000	1413.000	1444.000	84.000	84.000	84.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	648.010	648.060	0.
GR	656.800	1000.000	654.300	1050.000	652.000	1100.000	651.800	1150.000	650.800	1200.000
GR	650.900	1250.000	650.300	1300.000	650.500	1350.000	650.200	1400.000	650.200	1413.000
GR	638.410	1413.000	636.810	1418.000	637.710	1423.000	638.110	1428.000	638.910	1433.000
GR	640.010	1438.000	642.310	1444.000	650.200	1444.000	650.400	1450.000	651.300	1500.000
GR	653.300	1550.000	655.600	1600.000	659.500	1650.000	663.500	1688.000	0.	0.

SH	9.000	1.500	2.600	0.	15.000	.100	259.200	.710	0.	0.
FT	0.	0.	9.100	0.	0.	0.	0.	0.	1413.000	1444.000
X1	574.000	0.	0.	0.	33.000	33.000	33.000	0.	0.	0.
X2	0.	0.	1.000	648.060	650.200	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	650.200	650.200	0.
BT	4.000	1000.000	656.800	656.800	1413.000	650.040	648.010	1444.000	650.200	648.060
BT	1578.000	663.500	663.500	0.	0.	0.	0.	0.	0.	0.
SC	0.	0.	.052	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1125.000	1271.000
X1	53.000	15.000	1160.000	1182.000	84.000	84.000	84.000	0.	0.	0.
GP	559.400	1000.000	656.300	1050.000	652.200	1100.000	650.500	1116.000	646.800	1130.000
GP	645.900	1150.000	644.700	1160.000	638.700	1164.000	638.900	1172.000	639.600	1179.000
GP	642.900	1182.000	643.400	1200.000	644.500	1235.000	647.100	1250.000	649.300	1300.000
GP	552.300	1350.000	654.900	1400.000	659.000	1430.000	0.	0.	0.	0.
DT	3.000	1762.000	1762.000	1762.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1230.000	1370.000
A1	27.000	22.000	1265.000	1291.000	475.000	475.000	475.000	0.	0.	0.
GP	663.700	1000.000	657.800	1050.000	649.800	1100.000	646.400	1140.000	645.800	1144.000
GP	645.500	1150.000	646.400	1200.000	647.100	1250.000	647.200	1265.000	643.200	1267.000
GP	643.000	1275.000	644.800	1285.000	646.500	1291.000	647.000	1300.000	647.100	1350.000
GP	646.800	1400.000	646.700	1450.000	648.200	1500.000	650.300	1550.000	652.800	1600.000
GP	654.100	1659.000	655.800	1700.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1105.000	1256.000
A1	26.000	14.000	1154.000	1175.000	1550.000	1550.000	1550.000	0.	0.	0.
GP	665.300	1000.000	662.400	1050.000	658.500	1100.000	654.500	1120.000	653.700	1150.000
GP	663.000	1150.000	650.300	1150.000	650.400	1163.000	651.000	1170.000	651.400	1175.000
GP	654.500	1200.000	655.100	1250.000	665.800	1300.000	671.500	1350.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1169.000	1352.000
X1	25.000	17.000	1315.000	1333.000	1950.000	1950.000	1950.000	0.	0.	0.
GP	678.600	1000.000	671.700	1050.000	669.000	1077.000	668.400	1100.000	667.300	1150.000
GP	666.600	1200.000	665.700	1250.000	665.500	1300.000	666.500	1315.000	661.700	1314.000
GP	661.800	1324.000	661.900	1329.000	664.500	1333.000	665.100	1350.000	667.500	1400.000
GP	671.200	1450.000	676.900	1490.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1200.000	1400.000
X1	251.000	0.	0.	0.	725.000	725.000	725.000	1.000	3.860	0.
SC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1193.000	1214.000
X1	252.000	20.000	1193.000	1214.000	86.000	85.000	86.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	677.300	676.600	0.
GP	641.100	1000.000	647.000	1050.000	643.500	1100.000	680.600	1150.000	679.600	1193.000

GP	566.630	1143.000	664.730	1142.000	663.730	1203.000	663.330	1203.000	666.030	1214.000
GR	677.900	1214.000	677.600	1250.000	677.400	1300.000	677.300	1350.000	677.800	1400.000
GE	679.100	1450.000	681.400	1500.000	684.300	1550.000	687.400	1600.000	690.900	1650.000
SE	.900	1.500	2.600	0.	16.000	.100	241.600	.191	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1193.000	1214.000

X1	511.000	0.	0.	0.	28.000	28.000	28.000	0.	0.	0.
X2	0.	0.	1.000	677.300	677.300	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	678.600	677.900	0.
BT	5.000	1000.000	691.100	691.100	1143.000	678.600	677.300	1203.000	678.300	677.000
BT	1214.000	677.900	676.690	1650.000	690.900	690.900	0.	0.	0.	0.
NC	0.	0.	.052	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1078.000	1250.000

X1	51.000	14.000	1097.000	1115.000	62.000	62.000	62.000	0.	0.	0.
GR	665.600	1000.000	676.300	1050.000	673.000	1070.000	669.400	1078.000	669.600	1097.000
GR	666.600	1100.000	666.600	1105.000	666.500	1109.000	671.200	1116.000	671.300	1150.000
GR	671.700	1200.000	672.700	1250.000	682.500	1300.000	684.600	1350.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1275.000	1453.000

X1	24.000	20.000	1430.000	1453.000	1525.000	1525.000	1525.000	0.	0.	0.
GR	669.700	1090.000	688.900	1050.000	688.100	1067.000	681.500	1082.000	680.200	1100.000
GR	678.800	1150.000	678.500	1200.000	678.400	1250.000	678.800	1300.000	679.100	1350.000
GR	678.000	1400.000	676.900	1430.000	673.800	1438.000	673.700	1442.000	673.800	1450.000
GR	677.700	1453.000	679.400	1485.000	680.400	1500.000	683.500	1524.000	689.800	1538.000
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1220.000	1390.000

X1	23.000	17.000	1315.000	1335.000	650.000	650.000	650.000	0.	0.	0.
GR	663.500	1000.000	669.800	1050.000	665.700	1100.000	663.300	1150.000	662.400	1200.000
GR	661.700	1250.000	661.600	1300.000	661.000	1315.000	677.400	1318.000	677.900	1328.000
GR	677.600	1332.000	661.300	1335.000	661.500	1350.000	661.700	1400.000	665.000	1450.000
GR	669.600	1454.000	690.100	1474.000	0.	0.	0.	0.	0.	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1322.000	1334.000

X1	21.000	20.000	1322.000	1334.000	169.000	169.000	169.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	691.000	691.000	0.
GR	664.700	1000.000	690.200	1050.000	686.900	1100.000	684.600	1150.000	683.500	1200.000
GR	662.800	1250.000	662.700	1300.000	662.100	1315.000	682.100	1318.000	685.100	1322.000
GR	661.100	1332.000	679.600	1328.000	661.100	1331.000	685.100	1334.000	682.400	1335.000
GR	662.600	1350.000	662.700	1400.000	666.100	1450.000	690.700	1464.000	691.200	1474.000
SE	.900	1.400	2.600	0.	9.400	.100	113.100	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1322.000	1334.000

X1	691.000	0.	0.	0.	62.000	62.000	62.000	1.000	1.410	0.
X2	0.	0.	1.000	692.600	696.640	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	696.600	696.640	0.
BT	20.000	1090.000	705.100	696.700	1650.000	705.100	690.900	1100.000	705.100	686.900

BT	1150.000	705.100	584.400	1200.000	702.000	683.500	1250.000	702.000	682.800	1300.000
BT	689.600	682.700	1315.000	697.500	682.700	1318.000	697.500	682.700	1322.000	696.700
BT	685.100	1325.000	696.700	689.100	1324.000	696.700	691.000	1331.000	696.700	689.100
BT	1334.000	696.000	685.100	1335.000	696.000	682.400	1350.000	695.600	682.600	1400.000
BT	684.600	682.800	1450.000	682.500	686.100	1464.000	692.500	680.700	1474.000	692.500
BT	691.200	0.	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.	0.	.052	.100	.300	0.	0.	0.	0.	0.
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1075.000	1190.000

XI	69.000	15.000	1117.000	1139.000	69.000	69.000	69.000	0.	0.	0.
GR	703.700	1000.000	702.200	1015.000	694.900	1034.000	691.200	1050.000	685.200	1077.000
GR	684.300	1100.000	683.300	1117.000	679.500	1119.000	678.800	1124.000	679.400	1137.000
GR	684.400	1139.000	684.500	1150.000	683.300	1200.000	689.900	1250.000	691.100	1300.000
GR	689.600	1350.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1230.000	1330.000

XI	22.000	20.000	1264.000	1285.000	1050.000	1050.000	1050.000	0.	0.	0.
GR	695.200	1000.000	642.600	1050.000	691.400	1100.000	689.600	1150.000	688.500	1200.000
GR	689.400	1250.000	688.100	1264.000	688.500	1266.000	685.500	1273.000	685.400	1282.000
GR	686.700	1285.000	689.900	1300.000	690.300	1350.000	690.200	1400.000	689.700	1450.000
GR	689.100	1500.000	689.200	1550.000	689.400	1500.000	696.000	1650.000	703.300	1700.000
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1078.000	1215.000

XI	21.000	12.000	1084.000	1116.000	1100.000	1100.000	1100.000	0.	0.	0.
GR	701.500	1000.000	694.800	1041.000	694.400	1050.000	690.500	1084.000	686.800	1087.000
GR	686.600	1100.000	687.700	1110.000	691.500	1116.000	691.500	1150.000	691.300	1200.000
GR	694.000	1289.000	703.500	1300.000	0.	0.	0.	0.	0.	0.
BT	3.000	1236.000	1236.000	1236.000	0.	0.	0.	0.	0.	0.
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1121.000	1250.000

XI	20.000	15.000	1121.000	1139.000	3000.000	3000.000	3000.000	0.	0.	0.
GR	719.200	1000.000	714.600	1030.000	712.400	1050.000	710.900	1075.000	710.500	1100.000
GR	709.500	1121.000	705.700	1125.000	705.300	1131.000	705.300	1135.000	709.600	1139.000
GR	709.900	1150.000	710.500	1200.000	710.100	1250.000	710.400	1300.000	712.300	1350.000
GR	715.000	1400.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	3.000	1079.000	1079.000	1079.000	0.	0.	0.	0.	0.	0.
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1060.000	1190.000

XI	17.000	17.000	1170.000	1193.000	175.000	175.000	175.000	0.	0.	0.
GR	714.700	1000.000	713.300	1050.000	712.500	1082.000	712.200	1100.000	711.900	1150.000
GR	710.500	1170.000	707.200	1175.000	706.800	1181.000	707.400	1186.000	708.400	1193.000
GR	709.500	1200.000	709.900	1205.000	712.500	1207.000	712.300	1250.000	713.800	1300.000
GR	714.500	1314.000	719.200	1344.000	0.	0.	0.	0.	0.	0.
BT	0.	0.	9.100	0.	0.	0.	0.	0.	1073.000	1218.000

XI	16.000	14.000	1084.000	1099.000	420.000	420.000	420.000	0.	0.	0.
GR	733.900	1000.000	729.900	1025.000	728.900	1050.000	717.500	1084.000	715.100	1085.000
GR	716.500	1099.000	715.200	1095.000	715.400	1099.000	719.200	1150.000	718.300	1200.000

GR	719.000	1210.000	723.800	1250.000	727.400	1300.000	728.900	1320.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1075.000	1177.000
XI	15.000	10.000	1140.000	1158.000	250.000	250.000	250.000	0.	0.	0.
GR	731.300	1000.000	725.600	1050.000	722.100	1100.000	720.500	1140.000	719.200	1141.000
GR	719.000	1147.000	719.200	1157.000	721.200	1158.000	724.200	1179.000	730.600	1200.000
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1069.000	1135.000
XI	14.000	10.000	1079.000	1103.000	230.000	230.000	230.000	0.	0.	0.
GR	735.900	1000.000	731.400	1050.000	724.700	1079.000	722.800	1080.000	722.300	1089.000
GR	722.700	1099.000	724.200	1103.000	725.200	1127.000	730.300	1150.000	736.800	1183.000
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1083.000	1180.000
XI	14.000	16.000	1150.000	1180.000	200.000	200.000	200.000	0.	0.	0.
GR	741.100	1000.000	738.400	1018.000	731.900	1039.000	730.300	1050.000	736.500	1082.000
GR	728.000	1083.000	728.200	1100.000	728.500	1119.000	736.100	1136.000	729.100	1150.000
GR	727.300	1151.000	727.100	1163.000	726.900	1175.000	734.800	1180.000	737.900	1200.000
GR	741.400	1250.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1124.000	1198.000
XI	13.000	14.000	1175.000	1198.000	950.000	950.000	950.000	0.	0.	0.
GR	744.800	1000.000	745.600	1050.000	738.200	1082.000	737.300	1100.000	737.400	1150.000
GR	748.200	1175.000	734.600	1177.000	735.300	1195.000	738.900	1198.000	742.900	1228.000
GR	748.700	1250.000	750.900	1275.000	752.700	1300.000	754.600	1343.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1240.000	1296.000
XI	52.000	21.000	1253.000	1292.000	1100.000	1100.000	1100.000	0.	0.	0.
GR	743.600	1000.000	754.400	1013.000	751.400	1050.000	749.400	1100.000	748.500	1150.000
GR	746.800	1200.000	748.000	1239.000	745.100	1244.000	745.300	1250.000	745.700	1258.000
GR	742.100	1283.000	741.000	1270.000	741.300	1278.000	747.100	1292.000	747.500	1300.000
GR	748.200	1350.000	747.600	1400.000	748.900	1450.000	750.400	1491.000	751.700	1500.000
GR	753.000	1550.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE = 1. THEREFORE FRICTION LOSS (FL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02/09/79 01:46:14

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 12-5-78
T2 FLOODWAY--METHOD 1
T3 PENWOOD-MAIN ASHEBORO

J1	ICHECK	IND	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	3.	0.	0.	0.	0.	0.	0.	614.300	0.
J2	NPROF	IPILOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	LTRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

THLEO = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

3700. BRIDGE STENCL= 1322.00 STENCL= 1334.00

THIS RUN EXECUTED 02/09/79 01:46:27

 REC2 RELEASE DATED NOV 75 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

PENWOOD-MAIN ASPEROPO

SUMMARY PRINTOUT TABLE 100

SECTNO	EGLWC	ELLC	EGPPS	ELTRC	OPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
281.000	636.88	636.13	637.18	639.00	2301.00	0.	10.00	.03	8.28	635.77	9.53	637.18
281.000	637.10	636.13	637.65	639.00	2301.00	0.	10.00	.02	9.03	636.52	8.56	637.65
534.000	648.30	648.05	648.04	650.20	1997.00	0.	1.00	.74	10.64	647.45	7.39	648.30
534.000	648.59	648.05	648.51	650.20	1997.00	0.	1.00	.68	11.00	647.81	7.10	648.59
511.000	674.25	677.30	0.	677.90	1762.00	0.	1.00	.04	9.22	672.55	10.47	674.25
511.000	674.54	677.30	0.	677.90	1762.00	0.	1.00	.03	9.85	673.18	9.71	674.64
* 491.000	696.37	692.49	695.40	696.64	1762.00	0.	2.00	0.	10.18	690.67	19.16	696.37
491.000	696.38	692.49	695.56	696.64	1762.00	0.	1.00	.36	10.16	690.65	19.21	696.38

PENWOOD-MAIN ASHEBORO

SUMMARY PRINTOUT TABLE 105

SECNO	CWSFL	HL	OLOSS	TWPWD	OLUB	OCH	OROB
61.000	635.43	11.99	.02	281.28	742.04	1241.32	317.64
61.000	635.87	11.21	.03	200.00	717.81	1229.02	354.17
611.000	635.13	.36	.65	37.00	0.	2301.00	0.
611.000	635.60	.29	.55	37.00	0.	2301.00	0.
281.000	635.77	.31	0.	37.00	0.	2301.00	0.
281.000	636.52	.56	0.	37.00	0.	2301.00	0.
28.000	637.18	.20	.11	254.49	233.42	1911.14	1056.54
28.000	637.54	.24	.07	174.00	0.	1145.82	1155.18
531.000	646.55	9.67	.13	134.75	67.77	1345.57	533.66
531.000	647.10	9.65	.04	135.00	92.71	1325.97	578.32
532.000	646.65	.25	.14	31.00	0.	1997.00	0.
532.000	647.13	.20	.18	31.00	0.	1997.00	0.
534.000	647.45	.61	0.	31.00	0.	1997.00	0.
534.000	647.81	.55	0.	31.00	0.	1997.00	0.
53.000	648.01	.29	.02	145.47	86.40	1343.39	567.21
53.000	648.35	.24	.03	146.00	101.77	1300.78	594.44
251.000	672.82	3.63	.02	322.10	598.70	769.76	393.54
251.000	673.44	3.80	.02	200.00	534.05	783.31	444.64
252.000	672.51	.39	.70	21.00	0.	1762.00	0.
252.000	673.15	.31	.59	21.00	0.	1762.00	0.
511.000	672.55	.02	0.	21.00	0.	1762.00	0.
511.000	673.18	.02	0.	21.00	0.	1762.00	0.
51.000	674.26	.30	.13	195.55	277.44	892.11	592.05
51.000	674.52	.25	.11	172.00	203.51	894.07	564.41
23.000	684.14	3.34	.06	303.82	554.95	845.50	361.54
23.000	684.83	3.23	.03	160.00	562.93	916.49	282.57
* 231.000	690.13	1.80	1.40	12.00	0.	1762.00	0.
* 231.000	690.29	2.32	1.45	12.00	0.	1762.00	0.
* 491.000	690.67	1.64	0.	12.00	0.	1762.00	0.

491.000	690.65	1.66	0.	12.00	0.	1762.00	0.
49.000	696.94	.01	.57	305.59	354.59	491.72	915.68
49.000	696.93	.02	.57	115.00	433.80	443.06	485.14

PENWOOD-MAIN ASHERO

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKAS	FG	TOPRID	QLOH	UCH	OROH	PERFNC	STENCL	STCHL	STCHR	STENCH
31.000	614.30	0.	615.02	125.94	84.83	2147.19	69.18	0.	0.	1103.00	1140.00	0.
31.000	614.30	0.	615.02	125.00	85.03	2146.49	69.48	125.00	1055.00	1103.00	1140.00	1140.00
30.000	623.44	0.	623.85	492.92	809.47	1015.06	476.47	0.	0.	1240.00	1268.00	0.
30.000	624.31	.81	625.01	263.29	762.40	1425.62	112.98	204.00	1104.00	1240.00	1268.00	1308.00
61.000	635.43	0.	635.85	281.28	742.04	1241.32	317.64	0.	0.	1200.00	1223.00	0.
61.000	635.87	.45	636.25	200.00	717.81	1229.02	354.17	200.00	1100.00	1200.00	1223.00	1300.00
611.000	635.13	0.	636.87	37.00	0.	2301.00	0.	0.	0.	1259.00	1296.00	0.
611.000	635.66	.41	637.09	37.00	0.	2301.00	0.	37.00	1259.00	1259.00	1296.00	1296.00
281.000	635.77	0.	637.18	37.00	0.	2301.00	0.	0.	0.	1259.00	1296.00	0.
281.000	636.52	.75	637.65	37.00	0.	2301.00	0.	37.00	1259.00	1259.00	1296.00	1296.00
28.000	637.15	0.	637.49	254.40	233.32	1011.14	1056.54	0.	0.	1197.00	1217.00	0.
28.000	637.59	.35	637.96	124.00	0.	1145.82	1155.18	124.00	1197.00	1197.00	1217.00	1321.00
531.000	646.55	0.	647.24	134.75	67.77	1395.57	533.66	0.	0.	1160.00	1182.00	0.
531.000	647.10	.55	647.66	135.00	62.71	1325.97	578.32	135.00	1127.00	1160.00	1182.00	1262.00
532.000	646.66	0.	647.69	31.00	0.	1997.00	0.	0.	0.	1413.00	1444.00	0.
532.000	647.13	.47	648.04	31.00	0.	1997.00	0.	31.00	1413.00	1413.00	1444.00	1444.00
534.000	647.85	0.	648.30	31.00	0.	1997.00	0.	0.	0.	1413.00	1444.00	0.
534.000	647.81	.35	648.59	31.00	0.	1997.00	0.	31.00	1413.00	1413.00	1444.00	1444.00
53.000	648.01	0.	648.61	145.47	86.40	1343.39	567.21	0.	0.	1160.00	1192.00	0.
53.000	648.36	.34	648.86	146.00	101.77	1300.73	594.44	146.00	1125.00	1160.00	1192.00	1271.00
27.000	649.93	0.	650.92	442.06	549.25	567.20	654.55	0.	0.	1265.00	1291.00	0.
27.000	650.60	.67	650.98	140.00	214.46	1038.39	509.14	140.00	1240.00	1265.00	1291.00	1370.00
28.000	657.35	0.	658.95	149.83	237.29	1105.45	369.26	0.	0.	1154.00	1175.00	0.
28.000	657.49	.56	658.45	150.00	313.33	1022.63	426.04	150.00	1106.00	1154.00	1175.00	1255.00
28.000	658.19	0.	659.44	332.30	632.12	728.35	397.94	0.	0.	1315.00	1333.00	0.
28.000	659.41	.22	659.90	151.00	513.75	934.67	213.58	151.00	1194.00	1315.00	1333.00	1352.00
251.000	672.42	0.	673.14	322.11	598.70	769.76	393.54	0.	0.	1315.00	1333.00	0.
251.000	673.44	.62	673.72	200.00	834.05	783.31	444.64	200.00	1200.00	1315.00	1333.00	1400.00
252.000	672.51	0.	673.23	21.00	0.	1762.00	0.	0.	0.	1193.00	1214.00	0.
252.000	673.15	.64	673.82	21.00	0.	1762.00	0.	21.00	1193.00	1193.00	1214.00	1214.00
511.000	672.55	0.	673.25	21.00	0.	1762.00	0.	0.	0.	1193.00	1214.00	0.

511.000	673.18	.63	674.64	21.00	0.	1762.00	0.	21.00	1193.00	1193.00	1214.00	1214.00
51.000	674.26	0.	674.68	195.55	277.84	892.11	592.05	0.	0.	1097.00	1116.00	0.
51.000	674.62	.36	675.00	172.00	203.51	894.07	664.41	172.00	1078.00	1097.00	1116.00	1250.00
24.000	680.94	0.	681.14	414.22	892.96	767.05	101.99	0.	0.	1430.00	1453.00	0.
24.000	681.64	.74	681.98	178.00	813.90	948.10	0.	178.00	1275.00	1430.00	1453.00	1453.00

PHOTODUPLICATION

SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOR	QCH	OROH	PERENC	SCENCL	STCHL	STCHR	SIENCR
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23.000	684.14	0.	684.54	303.82	534.96	845.50	361.54	0.	0.	1315.00	1335.00	0.
23.000	684.83	.68	685.24	150.00	562.93	916.49	282.57	160.00	1220.00	1315.00	1335.00	1380.00
* 231.000	690.13	0.	690.73	12.00	0.	1762.00	0.	0.	0.	1322.00	1334.00	0.
* 231.000	690.29	.16	690.72	12.00	0.	1762.00	0.	12.00	1322.00	1322.00	1334.00	1334.00
* 491.000	690.67	0.	690.37	12.00	0.	1762.00	0.	0.	0.	1322.00	1334.00	0.
491.000	690.65	-.02	690.38	12.00	0.	1762.00	0.	12.00	1322.00	1322.00	1334.00	1334.00
49.000	696.94	0.	696.95	305.59	354.59	491.72	915.68	0.	0.	1117.00	1139.00	0.
49.000	696.93	-.00	696.97	115.00	433.80	843.06	485.14	115.00	1075.00	1117.00	1139.00	1190.00
22.000	697.01	0.	697.02	656.94	588.21	242.08	931.71	0.	0.	1264.00	1285.00	0.
22.000	697.45	.44	697.60	100.00	377.89	939.93	444.18	100.00	1230.00	1264.00	1285.00	1330.00
21.000	697.33	0.	697.42	242.05	158.08	943.71	660.21	0.	0.	1084.00	1116.00	0.
21.000	698.30	.97	698.40	135.00	23.44	1074.02	659.54	139.00	1078.00	1084.00	1116.00	1216.00
20.000	711.78	0.	712.32	275.75	97.18	736.27	402.55	0.	0.	1121.00	1139.00	0.
20.000	712.37	.59	712.92	129.00	0.	793.01	442.99	129.00	1121.00	1121.00	1139.00	1250.00
17.000	713.07	0.	713.60	222.35	114.50	831.78	132.72	0.	0.	1170.00	1193.00	0.
17.000	713.76	.63	714.16	133.00	231.38	847.12	0.	133.00	1060.00	1170.00	1193.00	1193.00
* 16.000	719.99	0.	720.92	145.19	21.86	690.33	366.81	0.	0.	1084.00	1099.00	0.
* 16.000	720.09	.10	720.92	145.00	21.43	672.21	383.38	145.00	1073.00	1084.00	1099.00	1216.00
15.000	723.87	0.	724.73	101.90	295.03	742.46	41.51	0.	0.	1140.00	1158.00	0.
15.000	723.77	-.10	724.69	100.00	288.41	750.99	39.60	102.00	1075.00	1140.00	1158.00	1177.00
14.000	727.04	0.	728.07	66.44	13.32	910.80	150.09	0.	0.	1079.00	1103.00	0.
14.000	727.08	.04	728.08	66.00	12.13	907.61	152.26	66.00	1069.00	1079.00	1103.00	1155.00
140.000	730.59	0.	731.58	76.45	262.10	796.49	0.	0.	0.	1150.00	1180.00	0.
140.000	730.58	-.01	731.58	71.45	271.31	807.69	0.	47.00	1083.00	1150.00	1180.00	1180.00
13.000	740.18	0.	740.50	134.20	436.14	848.69	4.17	0.	0.	1175.00	1198.00	0.
13.000	740.73	.56	741.17	74.00	415.80	763.20	0.	74.00	1124.00	1175.00	1198.00	1198.00
62.000	747.31	0.	747.88	55.92	45.83	934.08	.09	0.	0.	1258.00	1292.00	0.
62.000	747.56	.25	748.07	56.00	51.17	928.23	.60	56.00	1240.00	1258.00	1292.00	1296.00

SUMMARY OF ERRORS

CAUTION SECNO= 231.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 231.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 231.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 231.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

THIS RUN EXECUTED 12/08/78 11:33:13

(Final Profiles)

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 11-21-78
 T2 16 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 PENWOOD-RR. ASHEBORO

J1	ICHECK	INO	RINV	IOIR	SIRT	METRIC	HVINS	0	WSEL	FO
	-1.	2.	0.	0.	-1.000000	0.	0.	0.	714.160	0.
J2	INPROF	IPLOT	PREVS	XSECV	XSECH	FM	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	43.000	1.000	2.000	3.000	42.000	5.000	33.000	4.000	25.000
	13.000	23.000	24.000	0.	38.000	13.000	15.000	14.000	55.000	0.
	26.000	3.000	53.000	54.000	39.000	59.000	10.000	201.000	0.	0.
J5	LEPRT	NO-SEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	INLEG	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J7	OT									
	.127	.127	.952	.100	.300	0.	0.	0.	0.	0.
	4.000	175.000	340.000	437.000	700.000	0.	0.	0.	0.	0.
J8										
	19.000	14.000	1071.000	1080.000	0.	0.	0.	0.	0.	0.
	722.000	1000.000	715.500	1050.000	712.700	1071.000	711.200	1075.000	710.900	1076.000
	711.000	1077.000	714.000	1030.000	714.400	1100.000	714.700	1150.000	714.400	1200.000
	716.000	1250.000	715.900	1300.000	717.900	1334.000	722.400	1350.000	0.	0.
J9										
	18.000	9.000	1140.000	1146.000	2500.000	2500.000	2500.000	0.	0.	0.
	722.400	1000.000	771.500	1050.000	759.900	1100.000	755.700	1140.000	753.900	1143.000
	756.900	1146.000	755.900	1150.000	763.100	1200.000	767.900	1230.000	0.	0.
	4.000	59.000	137.000	179.000	298.000	0.	0.	0.	0.	0.

XI	63.000	9.000	1127.000	1138.000	500.000	500.000	500.000	0.	0.	0.
GR	769.500	1000.000	774.800	1050.000	769.800	1100.000	769.500	1127.000	766.800	1131.000
GW	769.500	1135.000	768.500	1150.000	772.500	1200.000	786.500	1250.000	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

INLEO = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 12/08/78 11:33:16

HFC? RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 11-21-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 PENWOOD-RR. ASHFORD.

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	-1.000000	0.	0.	0.	715.140	0.
J2	NPROF	IPLOT	PPFVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

HLFO = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF
PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR
DETAILS.

THIS RUN EXECUTED 01/12/79 04:07:40

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 11-21-78
T2 500 YR NATURAL AND FLOOD ZONE TABLE 201
T3 PENWOOD-MAIN ASHEBORO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	5.	0.	0.	0.	0.	0.	0.	615.600	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

IHLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.