

VESTAL CREEK

THIS RUN EXECUTED 12/03/78 05:56:40

(Final Profiles)

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

T1 FIS RANDOLPH CO. N.C. 10-30-78
 T2 10 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 VESTAL-MAIN ASHEBORO

J1	ICHECK	INJ	NINJ	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	-2.	0.	0.	0.	0.	0.	0.	649.780	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	IHW	CHMIM	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
	63.000	23.000	24.000	0.	38.000	13.000	15.000	14.000	55.000	56.000
	26.000	8.000	53.000	54.000	39.000	50.000	10.000	100.000	201.000	0.
J5	LPRINT	NMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	INLEN	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J7	OT									
	.135	.135	.051	.100	.300	0.	0.	0.	0.	0.
	4.000	633.000	1152.000	1464.000	2300.000	0.	0.	0.	0.	0.
J8	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
	13.000	12.000	1033.000	1047.000	0.	0.	0.	0.	0.	0.
	650.000	1000.000	648.500	1026.000	647.100	1033.000	645.900	1035.000	648.020	1045.000
	648.800	1047.500	647.200	1055.000	649.700	1074.000	648.900	1100.000	649.300	1124.000
	655.800	1438.000	656.700	1450.000	0.	0.	0.	0.	0.	0.
	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
J9	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
	131.000	15.000	1033.000	1047.000	141.000	141.000	141.000	0.	0.	0.
	10.000	0.	0.	0.	0.	0.	0.	649.020	649.020	0.
	650.000	1000.000	648.500	1026.000	647.100	1033.000	645.900	1035.000	648.020	1035.000

GR	647.020	1040.000	648.020	1041.000	645.800	1045.000	646.800	1047.000	647.200	1065.000
GR	649.700	1074.000	648.900	1100.000	649.300	1124.000	655.800	1438.000	656.700	1450.000
SH	.900	1.880	2.500	0.	1.770	0.	3.142	0.	646.480	647.020
X1	132.000	0.	0.	0.	18.000	18.000	18.000	1.000	-.540	0.
X2	0.	0.	1.000	648.480	649.370	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	649.370	649.370	0.
BT	5.000	1000.000	659.460	659.460	1039.000	650.300	647.800	1040.000	649.400	648.480
HT	1041.000	649.800	647.480	1450.000	656.160	656.50	0.	0.	0.	0.
NC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
X1	121.000	9.000	1150.000	1172.000	141.000	141.000	141.000	0.	0.	0.
GR	657.500	1000.000	653.000	1050.000	650.000	1100.000	650.400	1150.000	648.400	1151.000
GR	648.300	1171.000	650.700	1172.000	651.200	1210.000	655.500	1235.000	0.	0.
X1	12.000	0.	0.	0.	1400.000	1400.000	1400.000	1.000	10.300	0.
X1	122.000	0.	0.	0.	300.000	300.000	300.000	1.000	2.480	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
X1	211.000	24.000	1093.000	1132.000	64.000	64.000	64.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	670.820	671.230	0.
GR	674.400	1000.000	672.500	1050.000	670.100	1093.000	666.570	1095.000	664.320	1097.000
GR	662.320	1094.000	664.320	1101.000	666.570	1103.000	664.460	1109.000	664.210	1111.000
GR	662.210	1113.000	664.210	1115.000	664.460	1117.000	666.980	1124.000	664.730	1126.000
GR	662.730	1124.000	664.730	1130.000	666.980	1132.000	669.300	1150.000	669.100	1200.000
GR	669.400	1250.000	669.400	1300.000	670.800	1350.000	674.100	1400.000	0.	0.
SH	.900	1.050	2.500	0.	20.300	0.	170.250	0.	662.420	662.210
X1	212.000	0.	0.	0.	73.000	73.000	73.000	1.000	.210	0.
X2	0.	0.	1.000	662.420	673.900	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	674.500	674.100	0.
BT	23.000	1000.000	675.200	674.400	1050.000	674.500	672.500	1095.000	674.390	666.570
BT	1097.000	674.390	668.820	1099.000	674.390	670.820	1101.000	674.390	664.820	1103.000
BT	674.390	666.570	1109.000	674.390	664.460	1111.000	673.900	668.710	1113.000	673.900
BT	670.710	1115.000	673.900	668.710	1117.000	673.900	664.460	1124.000	674.390	666.980
BT	1126.000	674.390	669.230	1128.000	674.390	671.230	1130.000	674.390	669.230	1132.000
BT	674.390	666.980	1150.000	674.100	669.300	1200.000	674.500	669.100	1250.000	675.900
BT	669.400	1300.000	677.400	669.400	1350.000	678.600	670.800	1400.000	674.700	674.100
NC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
X1	21.000	13.000	1093.000	1126.000	63.000	63.000	63.000	0.	0.	0.
GR	674.400	1000.000	672.500	1050.000	670.100	1093.000	663.700	1106.000	662.300	1113.000
GR	663.700	1117.000	667.700	1126.000	669.300	1150.000	669.100	1200.000	669.400	1250.000
GR	669.400	1300.000	670.800	1350.000	674.100	1400.000	0.	0.	0.	0.
QT	4.000	5.6.000	1061.000	1362.000	2140.000	0.	0.	0.	0.	0.

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X1	11.000	10.000	1078.000	1093.000	700.000	700.000	700.000	0.	0.	0.
GR	689.500	1000.000	681.700	1050.000	677.400	1078.000	675.700	1080.000	676.000	1089.000
GR	677.100	1093.000	678.000	1100.000	679.100	1120.000	680.600	1140.000	687.000	1175.000
QT	4.000	406.000	758.000	962.000	1500.000	0.	0.	0.	0.	0.
X1	10.000	11.000	1117.000	1140.000	325.000	325.000	325.000	0.	0.	0.
GR	690.700	1000.000	685.700	1038.000	685.500	1050.000	685.000	1100.000	685.700	1117.000
GR	682.400	1127.000	682.200	1133.000	685.100	1140.000	685.500	1150.000	686.600	1158.000
GP	690.800	1165.000	0.	0.	0.	0.	0.	0.	0.	0.
X1	9.000	12.000	1062.000	1078.000	1200.000	1200.000	1200.000	0.	0.	0.
GR	701.800	1000.000	692.900	1023.000	693.300	1050.000	691.000	1062.000	689.700	1064.000
GR	689.800	1074.000	691.200	1078.000	692.900	1100.000	693.500	1150.000	693.900	1123.000
GP	695.900	1200.000	701.800	1240.000	0.	0.	0.	0.	0.	0.
X1	5.000	12.000	1125.000	1150.000	1475.000	1475.000	1475.000	0.	0.	0.
GR	709.400	1000.000	707.500	1050.000	704.000	1100.000	701.400	1125.000	700.900	1129.000
GR	700.900	1148.000	702.000	1150.000	702.500	1200.000	702.600	1250.000	702.700	1300.000
GR	703.300	1325.000	707.900	1350.000	0.	0.	0.	0.	0.	0.
QT	4.000	352.000	660.000	830.000	1320.000	0.	0.	0.	0.	0.
X1	7.000	9.000	1035.000	1052.000	1900.000	1900.000	1900.000	0.	0.	0.
GR	726.500	1000.000	715.200	1035.000	714.000	1037.000	713.800	1050.000	716.700	1052.000
GR	714.900	1100.000	718.900	1123.000	721.300	1150.000	725.500	1190.000	0.	0.
X1	32.000	11.000	1132.000	1148.000	700.000	700.000	700.000	0.	0.	0.
GR	731.100	1000.000	723.300	1032.000	721.400	1050.000	723.500	1100.000	720.200	1132.000
GR	718.400	1134.000	718.900	1146.000	720.200	1148.000	724.700	1200.000	726.700	1250.000
GR	728.300	1270.000	0.	0.	0.	0.	0.	0.	0.	0.
FJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

IMLEQ = 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 12/03/78 05:57:18

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

T1 FIS RANDOLPH CO. N.C. 11-24-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-MAIN ASHEBORO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.	0.	0.	0.	651.070	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	JBW	CHNIN	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

IHLEO = 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 12/03/78 05:57:34

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,54

T1 FIS RANDOLPH CO. N.C. 11-24-78
T2 100 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-MAIN ASHEBORO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.	0.	0.	0.	651.730	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IHW	CHNIM	ITRACE
	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

IMLEO = 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 12/03/78 05:57:51

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51.52.53

T1 FIS RANDOLPH CO. N.C. 11-24-78
T2 500 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-MAIN ASHEBORO

J1	ICHECK	INQ	MINV	IOIP	SIRT	METRIC	HVINS	W	WSEL	FQ
	-10.	5.	0.	0.	0.	0.	0.	0.	653.300	0.
J2	NPROF	IPLDT	PREVS	XSECV	XSECH	FN	ALLDC	ISW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

PPROFILES

THIS RUN EXECUTED 12/03/76 05:58:06

 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

VESTAL-MATH ASHE-000

SUMMARY PRINTOUT

SECTION	Q	CNSL	CPIWS	EG	ELMIN	10KRS	%CHSL	TOPWID	AREA	TELMX	XLHEL	URHEL
A 13.000	533.00	549.75	0.	550.38	545.80	176.34	0.	124.08	164.91	656.70	547.10	646.80
13.000	1162.00	551.87	0.	551.55	545.80	124.36	0.	189.32	367.05	656.70	547.10	646.80
13.000	1464.00	551.73	0.	552.14	545.80	100.02	0.	222.04	503.01	656.70	547.10	646.80
13.000	2300.00	553.38	0.	553.59	545.80	63.45	0.	302.08	914.96	656.70	547.10	646.80
131.000	533.00	550.65	0.	551.21	545.80	35.21	0.	187.13	275.54	656.70	547.10	646.80
131.000	1162.00	551.74	0.	552.44	545.80	35.44	0.	223.45	454.34	656.70	547.10	646.80
131.000	1464.00	552.29	0.	553.08	545.80	36.34	0.	250.50	621.11	656.70	547.10	646.80
131.000	2300.00	553.64	0.	554.43	545.80	31.35	0.	319.25	1008.41	656.70	547.10	646.80
132.000	533.00	552.20	0.	552.31	545.26	4.63	-30.00	273.96	742.75	656.16	646.56	646.26
132.000	1162.00	552.74	0.	553.04	545.26	4.46	-30.00	303.78	913.11	656.16	646.56	646.26
132.000	1464.00	553.05	0.	553.38	545.26	13.15	-30.00	216.30	993.02	656.16	646.56	646.26
132.000	2300.00	553.94	0.	554.43	545.26	17.48	-30.00	362.13	1247.32	656.16	646.56	646.26
121.000	633.00	552.54	0.	552.74	548.30	52.34	21.56	156.65	288.13	656.50	650.40	650.70
121.000	1162.00	553.39	0.	553.70	548.30	40.82	21.56	174.52	421.00	656.50	650.40	650.70
121.000	1464.00	553.75	0.	554.11	548.30	49.40	21.56	180.24	685.07	656.50	650.40	650.70
121.000	2300.00	554.75	0.	555.20	548.30	40.11	21.56	196.74	682.14	656.50	650.40	650.70
12.000	533.00	562.61	0.	562.90	558.60	84.69	7.36	148.76	245.94	666.80	660.70	661.00
12.000	1162.00	563.84	0.	564.11	558.60	68.86	7.36	177.00	448.47	666.80	660.70	661.00
12.000	1464.00	564.39	0.	564.66	558.60	55.04	7.36	185.71	548.26	666.80	660.70	661.00
12.000	2300.00	565.52	0.	565.84	558.60	65.55	7.36	203.60	763.35	666.80	660.70	661.00
122.000	533.00	565.12	0.	565.34	561.08	81.52	8.27	149.54	250.22	669.28	663.18	663.48
122.000	1162.00	566.11	0.	566.43	561.08	84.89	8.27	173.78	412.86	669.28	663.18	663.48
122.000	1464.00	566.58	0.	566.82	561.08	84.13	8.27	181.25	496.62	669.28	663.18	663.48
122.000	2300.00	567.69	0.	568.07	561.08	82.24	8.27	198.69	705.92	669.28	663.18	663.48
* 211.000	533.00	566.85	666.65	567.90	562.21	77.81	17.66	36.58	76.93	674.10	670.10	666.98
* 211.000	1162.00	567.91	667.91	569.45	562.21	87.51	17.66	37.76	116.35	674.10	670.10	666.98
* 211.000	1464.00	568.43	668.43	570.22	562.21	83.99	17.66	38.05	136.02	674.10	670.10	666.98

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671.2 671.4

* 212.000	2300.00	669.70	669.70	672.10	662.21	77.29	17.66	38.77	185.04	674.10	670.10	666.98
* 212.000	633.00	667.10	667.04	668.12	662.42	93.20	2.88	36.75	78.21	674.31	670.31	667.19
* 212.000	1162.00	658.09	668.09	669.67	662.42	90.20	2.88	37.74	115.31	674.31	670.31	667.19
* 212.000	1464.00	668.69	668.61	670.44	662.42	79.71	2.88	38.08	132.24	674.31	670.31	667.19
212.000	2300.00	673.54	0.	674.31	662.42	12.71	2.88	39.00	326.53	674.31	670.31	667.19

671.2 671.4

SECNO	Q	CWSEL	CRWS	EG	ELMIN	10K*5	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RBEL
21.000	633.00	668.28	0.	668.87	662.30	132.42	-1.90	38.05	105.24	674.10	670.10	667.70
21.000	1162.00	669.66	668.51	670.47	662.30	139.90	-1.90	215.36	230.33	674.10	670.10	667.70
21.000	1454.00	670.57	0.	671.08	662.30	85.70	-1.90	256.96	442.72	674.10	670.10	667.70
21.000	2300.00	674.38	0.	674.45	662.30	10.40	-1.90	399.40	1694.50	674.10	670.10	667.70
11.000	556.00	679.87	0.	680.67	675.70	202.95	19.14	68.37	122.64	687.00	677.40	677.10
11.000	1081.00	681.19	0.	682.05	675.70	189.80	19.14	88.89	221.08	687.00	677.40	677.10
11.000	1352.00	681.37	0.	682.60	675.70	237.22	19.14	92.04	244.90	687.00	677.40	677.10
11.000	2140.00	682.42	0.	683.89	675.70	247.35	19.14	104.51	347.80	687.00	677.40	677.10
10.000	405.00	686.06	0.	686.45	682.20	156.39	20.00	118.79	126.69	690.70	685.70	685.10
10.000	758.00	686.90	0.	687.32	682.20	139.41	20.00	129.61	231.44	690.70	685.70	685.10
10.000	962.00	687.40	0.	687.80	682.20	117.95	20.00	134.25	297.57	690.70	685.70	685.10
10.000	1500.00	688.36	0.	688.80	682.20	105.30	20.00	143.21	431.72	690.70	685.70	685.10
9.000	405.00	694.17	0.	694.33	689.70	41.38	6.25	165.58	232.71	701.80	691.00	691.20
9.000	758.00	695.12	0.	695.30	689.70	63.48	6.25	176.19	396.37	701.80	691.00	691.20
9.000	962.00	695.53	0.	695.73	689.70	45.73	6.25	180.71	469.07	701.80	691.00	691.20
9.000	1500.00	696.48	0.	696.70	689.70	47.75	6.25	189.13	643.77	701.80	691.00	691.20
8.000	405.00	703.43	0.	703.58	700.90	64.05	7.59	221.01	231.36	707.90	701.40	702.00
8.000	758.00	704.11	0.	704.28	700.90	78.21	7.59	231.78	387.86	707.90	701.40	702.00
8.000	962.00	704.44	0.	704.62	700.90	74.35	7.59	238.43	468.02	707.90	701.40	702.00
8.000	1500.00	705.21	0.	705.40	700.90	70.13	7.59	253.23	654.58	707.90	701.40	702.00
7.000	352.00	718.02	0.	718.34	713.80	71.73	6.79	74.51	111.11	725.60	715.20	716.70
7.000	660.00	719.08	0.	719.50	713.80	81.23	6.79	101.57	204.39	725.60	715.20	716.70
7.000	839.00	719.52	0.	719.98	713.80	86.03	6.79	106.83	249.66	725.60	715.20	716.70
7.000	1320.00	720.48	0.	721.04	713.80	93.34	6.79	118.50	358.34	725.60	715.20	716.70
32.000	352.00	722.74	0.	723.00	718.40	62.12	6.57	69.28	130.05	728.30	720.20	720.20
32.000	660.00	723.99	0.	724.30	718.40	58.98	6.57	162.73	276.28	728.30	720.20	720.20
32.000	839.00	724.49	0.	724.79	718.40	56.74	6.57	170.51	353.10	728.30	720.20	720.20
32.000	1320.00	725.51	0.	725.81	718.40	53.12	6.57	197.55	540.51	728.30	720.20	720.20

VESTAL - MAIN ASSEMBLY

SUMMARY PRINTOUT

SECNO	QL05	QR08	QC4	VL08	VR08	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
13.000	33.15	195.55	403.27	2.11	2.04	7.63	3.98	1023.11	1147.19	0.	0.	.60
13.000	70.75	538.33	552.59	2.33	2.03	7.80	5.27	1020.14	1209.50	0.	1.29	.48
13.000	90.51	765.20	508.19	2.31	1.99	7.52	5.93	1018.70	1241.39	0.	.66	.41
13.000	141.34	1433.08	725.58	2.19	1.92	7.11	7.50	1015.15	1317.23	0.	1.57	.29
131.000	24.56	290.95	403.39	1.15	1.01	7.65	4.83	1021.18	1188.31	141.00	0.	.59
131.000	55.51	469.79	636.70	1.40	1.22	9.32	5.94	1018.66	1242.11	141.00	1.11	.75
131.000	75.73	592.63	750.64	1.49	1.29	9.90	5.49	1017.45	1267.95	141.00	.55	.79
131.000	112.25	1174.67	1012.97	1.59	1.39	10.68	7.84	1014.38	1333.63	141.00	1.35	.80
132.000	30.75	294.57	307.36	.56	.49	3.73	6.94	1015.41	1290.36	18.00	0.	.11
132.000	55.70	575.73	528.56	.87	.76	5.84	7.53	1015.07	1318.85	18.00	.59	.25
132.000	71.51	744.45	548.34	1.02	.90	6.99	7.79	1014.49	1331.29	18.00	.26	.33
132.000	112.42	1255.59	930.99	1.24	1.14	8.72	8.68	1012.46	1374.60	18.00	.90	.49
121.000	151.22	75.52	495.60	1.16	1.14	4.46	4.29	1059.85	1215.53	141.00	0.	.21
121.000	151.25	175.57	634.87	1.68	1.69	5.45	5.09	1045.77	1220.29	141.00	.80	.31
121.000	177.20	235.55	751.22	1.93	1.94	6.45	5.45	1041.75	1221.99	141.00	.36	.36
121.000	184.91	415.57	1010.52	2.36	2.35	7.30	6.99	1030.14	1225.92	141.00	1.04	.42
12.000	135.50	65.61	431.80	1.27	1.20	5.09	4.01	1066.47	1215.23	1400.00	0.	.28
12.000	303.90	180.79	617.31	1.51	1.53	5.52	5.24	1044.03	1221.03	1400.00	1.23	.27
12.000	505.05	246.99	711.95	1.77	1.75	5.74	5.79	1037.91	1223.62	1400.00	.55	.27
12.000	900.35	430.40	955.25	2.15	2.15	6.51	6.92	1025.35	1228.95	1400.00	1.13	.32
122.000	137.36	50.71	422.91	1.25	1.20	5.02	4.04	1065.76	1215.36	300.00	0.	.27
122.000	347.57	173.92	640.41	1.70	1.72	5.96	5.03	1046.29	1220.07	300.00	.99	.32
122.000	482.59	237.34	743.47	1.90	1.91	6.31	5.50	1041.04	1222.29	300.00	.47	.34
122.000	875.36	420.67	1003.97	2.30	2.30	7.07	6.61	1028.80	1227.49	300.00	1.11	.38
211.000	0.	0.	633.00	0.	0.	8.23	4.64	1094.84	1131.89	64.00	0.	1.05
211.000	0.	0.	1162.00	0.	0.	9.99	5.70	1094.24	1132.00	64.00	1.05	1.55
211.000	0.	0.	1464.00	0.	0.	10.76	6.22	1093.95	1132.00	64.00	.52	1.80
211.000	0.	0.	2300.00	0.	0.	12.43	7.49	1093.23	1132.00	64.00	1.28	2.40
212.000	0.	0.	633.00	0.	0.	8.09	4.68	1094.82	1131.92	73.00	0.	1.02
212.000	0.	0.	1162.00	0.	0.	10.08	5.67	1094.26	1132.00	73.00	.99	1.58
212.000	0.	0.	1464.00	0.	0.	10.59	6.27	1093.92	1132.00	73.00	.60	1.74
212.000	0.	0.	2300.00	0.	0.	7.04	11.12	1093.00	1132.00	73.00	4.85	.77
21.000	0.	1.41	631.59	0.	.55	6.15	5.98	1096.69	1134.75	63.00	0.	.59
21.000	0.	79.04	1082.96	0.	.93	7.47	7.36	1093.90	1309.25	63.00	1.38	.81
21.000	.74	328.42	1134.44	.38	1.23	6.50	6.27	1084.66	1341.62	63.00	.91	.51
21.000	114.15	1209.57	975.25	.64	1.00	3.25	12.02	1000.60	1400.00	63.00	3.81	.08
11.000	35.35	95.44	453.80	1.78	2.08	8.09	4.17	1061.91	1130.28	700.00	0.	.80

11.000	100.68	274.66	705.66	2.25	2.70	9.46	5.40	1053.88	1142.76	700.00	1.23	.94
11.000	135.17	367.12	859.71	2.64	3.19	10.94	5.67	1052.16	1144.20	700.00	.26	1.23
11.000	277.36	673.22	1189.42	3.39	3.92	12.62	6.72	1045.42	1149.93	700.00	1.05	1.47
10.000	65.71	9.28	331.01	1.12	1.06	5.96	3.86	1035.27	1154.06	325.00	0.	.40
10.000	222.70	35.98	499.32	1.72	1.57	6.34	4.70	1028.89	1158.50	325.00	.84	.43
10.000	328.66	55.69	576.64	1.88	1.75	6.38	5.20	1025.08	1159.33	325.00	.50	.40
10.000	602.62	111.12	786.26	2.25	2.15	6.98	6.16	1017.73	1160.94	325.00	.96	.43

SECNO	QLOB	QROH	QCH	VLOB	VR0B	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
9.000	49.19	94.06	262.76	.89	.85	3.95	4.47	1019.72	1185.30	1200.00	0.	.16
9.000	120.58	256.94	380.48	1.24	1.18	4.65	5.42	1017.24	1193.44	1200.00	.95	.18
9.000	162.40	356.21	443.38	1.41	1.34	5.02	5.83	1016.19	1196.90	1200.00	.41	.20
9.000	275.48	635.36	589.16	1.73	1.67	5.70	6.78	1013.75	1202.94	1200.00	.95	.22
8.000	19.64	142.59	243.77	1.00	.94	4.01	2.53	1105.60	1326.61	1475.00	0.	.16
8.000	42.64	358.54	356.82	1.21	1.31	4.57	3.21	1098.44	1330.22	1475.00	.68	.17
8.000	60.31	447.14	414.55	1.33	1.45	4.78	3.54	1093.57	1332.00	1475.00	.33	.17
8.000	112.42	829.04	558.53	1.54	1.74	5.29	4.31	1082.73	1335.96	1475.00	.76	.19
7.000	13.99	23.31	314.70	1.13	.71	4.76	4.22	1026.24	1100.75	1900.00	0.	.32
7.000	34.42	127.56	498.02	1.48	1.31	5.94	5.28	1023.00	1124.57	1900.00	1.06	.42
7.000	47.05	201.85	590.10	1.64	1.56	6.47	5.72	1021.65	1128.48	1900.00	.44	.47
7.000	83.96	426.69	809.36	1.95	2.06	7.52	6.58	1018.67	1137.16	1900.00	.96	.56
32.000	30.58	37.50	283.82	1.01	1.01	4.55	4.34	1108.08	1177.36	700.00	0.	.26
32.000	112.65	105.88	440.47	1.08	1.28	5.34	5.59	1029.14	1191.87	700.00	1.25	.30
32.000	189.42	145.50	503.42	1.21	1.37	5.57	6.09	1027.10	1197.62	700.00	.50	.30
32.000	405.35	271.28	643.37	1.52	1.62	6.02	7.11	1022.90	1220.45	700.00	1.02	.29

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VESTAL-MAIN ASHEBORO

SUMMARY PRINTOUT TABLE 100

SECNO	FGLWC	ELLC	EGPRS	ELTRD	QPR	OWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
132.000	551.89	548.48	1835.80	549.37	23.86	609.86	30.00	0.	6.94	652.20	3.73	652.31
132.000	553.17	548.48	4645.53	549.37	20.94	1143.69	30.00	0.	7.53	652.74	5.84	653.04
132.000	553.75	548.48	6991.79	549.37	19.29	1446.21	30.00	0.	7.79	653.05	6.88	653.38
132.000	555.11	548.48	16300.55	549.37	14.18	2287.69	30.00	0.	8.68	653.94	8.72	654.43
* 212.000	568.11	562.42	567.21	573.90	533.00	0.	10.00	0.	4.68	667.10	8.09	666.12
* 212.000	567.67	562.42	569.11	573.90	1162.00	0.	10.00	0.	5.67	669.09	10.08	669.67
* 212.000	570.43	562.42	570.33	573.90	1464.00	0.	10.00	0.	6.27	669.69	10.59	670.44
212.000	572.31	562.42	574.41	573.90	2276.79	9.14	30.00	0.	11.12	673.54	7.04	674.31

SUMMARY OF ERRORS

CAUTION SECNO= 211.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 211.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 211.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 211.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 211.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 211.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 211.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 211.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

 CAUTION SECNO= 212.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
 CAUTION SECNO= 212.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 212.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 212.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 212.000 PROFILE= 3 WSEL ASSUMED BASED ON MIN DIFF
 CAUTION SECNO= 212.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

THIS RUN EXECUTED 02/06/79 11:01:15

(Final Floodway)

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50.51.52.53

T1 FJS RANDOLPH CO. N.C. 12-5-78
 T2 FLOODWAY--NATURAL PROFILE
 T3 VESTAL-MAIN ASHEBORO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	651.730	0.
J2	NPROF	IPLGT	PREVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	IRACE
	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.
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	IHLFO	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
NC	.136	.136	.061	.100	.300	0.	0.	0.	0.	0.
QT	3.000	1464.000	1464.000	1464.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	8.400	0.	0.	0.	0.	0.	0.	0.
X1	13.000	12.000	1033.000	1047.000	0.	0.	0.	0.	0.	0.
GR	660.000	1000.000	648.500	1026.000	547.100	1033.000	645.900	1035.000	645.800	1045.000
GR	646.800	1047.000	647.200	1065.000	649.700	1074.000	648.900	1100.000	649.300	1124.000
GR	655.800	1438.000	656.700	1450.000	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.	1033.000	1159.000
X1	131.000	15.000	1033.000	1047.000	141.000	141.000	141.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	649.020	549.020	0.
GR	660.000	1000.000	648.500	1026.000	647.100	1033.000	645.900	1035.000	648.020	1039.000
GR	647.020	1040.000	648.020	1041.000	645.800	1045.000	646.800	1047.000	647.200	1065.000
GR	649.700	1074.000	648.900	1100.000	649.700	1124.000	655.800	1438.000	656.700	1450.000
SR	.900	1.880	2.500	0.	1.770	0.	3.142	0.	646.480	647.020
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1026.000	1156.000

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X1	132.000	0.	0.	0.	18.000	18.000	18.000	1.000	-540	0.
X2	0.	0.	1.000	648.480	649.370	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	649.370	649.370	0.
BT	5.000	1000.000	659.460	659.460	1039.000	650.300	647.800	1040.000	649.400	648.480
HT	1041.000	649.800	647.480	1450.000	656.160	656.160	0.	0.	0.	0.
NC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1210.000

X1	121.000	9.000	1150.000	1172.000	141.000	141.000	141.000	0.	0.	0.
GR	657.500	1000.000	653.000	1050.000	650.900	1100.000	650.400	1150.000	648.400	1151.000
GR	648.300	1171.000	650.700	1172.000	651.200	1210.000	656.500	1235.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1210.000

X1	12.000	0.	0.	0.	1400.000	1400.000	1400.000	1.000	10.300	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1210.000

X1	122.000	0.	0.	0.	300.000	300.000	300.000	1.000	2.480	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1094.000	1132.000

X1	211.000	24.000	1093.000	1132.000	64.000	64.000	64.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	670.820	671.230	0.
GR	674.400	1000.000	672.500	1050.000	670.100	1093.000	666.570	1095.000	664.320	1097.000
GR	662.320	1099.000	664.320	1101.000	666.570	1103.000	664.460	1109.000	664.210	1111.000
GR	662.210	1113.000	664.210	1115.000	664.460	1117.000	666.980	1124.000	664.730	1126.000
GR	662.730	1128.000	664.730	1130.000	666.980	1132.000	669.300	1150.000	669.100	1200.000
GR	669.400	1250.000	669.400	1300.000	670.800	1350.000	674.100	1400.000	0.	0.
SR	.900	1.660	2.500	0.	20.300	0.	170.250	0.	662.420	662.210
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1034.000	1132.000

X1	212.000	0.	0.	0.	73.000	73.000	73.000	1.000	.210	0.
X2	0.	0.	1.000	662.420	673.900	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	674.500	674.100	0.
BT	23.000	1000.000	675.200	674.400	1050.000	674.500	672.500	1095.000	674.390	666.570
BT	1097.000	674.390	688.820	1099.000	674.390	670.820	1101.000	674.390	668.820	1103.000
BT	674.390	666.570	1109.000	674.390	664.460	1111.000	673.900	668.710	1113.000	673.900
BT	670.710	1115.000	673.900	668.710	1117.000	673.900	664.460	1124.000	674.390	666.980
BT	1126.000	674.390	669.230	1128.000	674.390	671.230	1130.000	674.390	669.230	1132.000
BT	674.390	666.980	1150.000	674.100	669.300	1200.000	674.500	669.100	1250.000	675.900
BT	669.400	1300.000	677.400	669.400	1350.000	678.600	670.800	1400.000	679.700	674.100
NC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1093.000	1300.000

X1	21.000	13.000	1093.000	1126.000	63.000	63.000	63.000	0.	0.	0.
GR	674.400	1000.000	672.500	1050.000	670.100	1093.000	663.700	1106.000	662.300	1113.000
GR	663.700	1117.000	667.700	1126.000	669.300	1150.000	669.100	1200.000	669.400	1250.000

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GR	669.400	1300.000	670.800	1350.000	674.100	1400.000	0.	0.	0.	0.
QT	3.000	1362.000	1362.000	1362.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1052.000	1144.000
XI	11.000	10.000	1078.000	1093.000	700.000	700.000	700.000	0.	0.	0.
GR	689.500	1000.000	681.700	1050.000	677.400	1078.000	675.700	1080.000	676.000	1089.000
GR	677.100	1093.000	678.000	1100.000	679.100	1120.000	680.600	1140.000	687.000	1175.000
QT	3.000	962.000	962.000	962.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1050.000	1140.000
XI	10.000	11.000	1117.000	1140.000	325.000	325.000	325.000	0.	0.	0.
GR	690.700	1000.000	685.700	1038.000	685.500	1050.000	685.000	1100.000	685.700	1117.000
GR	682.400	1127.000	682.200	1133.000	685.100	1140.000	685.500	1150.000	686.600	1158.000
GR	690.800	1165.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1054.000	1126.000
XI	9.000	12.000	1062.000	1078.000	1200.000	1200.000	1200.000	0.	0.	0.
GR	701.800	1000.000	692.900	1023.000	693.300	1050.000	691.000	1062.000	689.700	1064.000
GR	689.800	1074.000	691.200	1078.000	692.900	1100.000	693.500	1150.000	693.900	1183.000
GR	695.900	1200.000	701.800	1230.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1125.000	1217.000
XI	8.000	12.000	1125.000	1150.000	1475.000	1475.000	1475.000	0.	0.	0.
GR	709.400	1000.000	707.500	1050.000	704.000	1100.000	701.400	1125.000	700.900	1129.000
GR	700.900	1148.000	702.000	1150.000	702.500	1200.000	702.600	1250.000	702.700	1300.000
GR	703.300	1325.000	707.900	1350.000	0.	0.	0.	0.	0.	0.
QT	3.000	839.000	839.000	839.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1022.000	1100.000
XI	7.000	9.000	1035.000	1052.000	1900.000	1900.000	1900.000	0.	0.	0.
GR	726.500	1000.000	715.200	1035.000	714.000	1037.000	713.800	1050.000	716.700	1052.000
GR	718.000	1100.000	718.900	1123.000	721.400	1150.000	725.600	1190.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1173.000
XI	12.000	11.000	1132.000	1148.000	700.000	700.000	700.000	0.	0.	0.
GR	731.100	1000.000	723.300	1032.000	723.400	1050.000	723.600	1100.000	720.200	1132.000
GR	718.400	1134.000	718.900	1146.000	720.200	1148.000	724.700	1200.000	726.700	1250.000
GR	728.300	1270.000	0.	0.	0.	0.	0.	0.	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

INLET = 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 02/06/79 11:01:43

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 VESTAL-MAIN ASHERORO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	652.530	0.
J2	NPROF	1PLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	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.

3700. BRIDGE STENCL= 1026.00 STENCR= 1156.00

PRINTED IN U.S.A.

THIS RUN EXECUTED 02/06/79 11:01:52

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

VESTAL-MAIN ASHERBORO

SUMMARY PRINTOUT TABLE 100

SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
132.000	653.76	648.48	6991.79	649.37	19.20	1446.21	30.00	0.	7.79	653.05	6.88	653.34
132.000	554.38	648.48	6992.69	649.37	14.57	1449.29	30.00	0.	8.09	653.35	7.61	653.82
* 212.000	670.43	662.42	670.33	673.90	1464.00	0.	10.00	0.	6.27	668.69	10.59	670.44
* 212.000	670.44	662.42	670.30	673.90	1464.00	0.	10.00	0.	6.23	668.65	10.71	670.43

PRINTED IN U.S.A.

VESTAL-MAIN ASHEBORO

SUMMARY PRINTOUT TABLE 105

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOB	QCH	QROB
13.000	651.73	0.	0.	222.69	90.61	608.19	765.20
13.000	652.53	0.	0.	75.95	0.	679.01	784.98
131.000	652.29	.75	.19	250.50	70.73	750.64	642.63
131.000	653.19	.67	.01	126.00	0.	710.87	753.13
132.000	653.05	.30	0.	316.80	71.51	648.04	744.45
132.000	653.35	.12	0.	130.00	41.04	748.47	674.49
121.000	653.75	.72	.01	180.24	477.20	751.22	235.58
121.000	654.12	.71	.01	110.00	386.61	826.63	250.76
122.000	666.54	2.24	.02	181.25	482.69	743.47	237.84
122.000	666.96	2.24	.02	110.00	386.72	822.53	252.75
* 211.000	668.43	.54	.73	38.05	0.	1464.00	0.
* 211.000	668.39	.58	.69	38.00	0.	1464.00	0.
* 212.000	668.69	.58	-.58	38.08	0.	1464.00	0.
* 212.000	668.65	.63	-.63	38.00	0.	1464.00	0.
21.000	670.57	.52	.12	256.96	.74	1134.84	328.42
21.000	670.58	.55	.13	207.00	0.	1144.62	319.37

VESTAL-MAIN ASHEBORO

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOH	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCH
13.000	651.73	0.	652.14	222.69	90.61	608.19	765.20	0.	0.	1033.00	1047.00	0.
13.000	652.53	.80	653.01	75.95	0.	679.01	784.98	.31	1033.00	1033.00	1047.00	1108.95
131.000	652.29	0.	653.08	250.50	70.73	750.64	642.63	0.	0.	1033.00	1047.00	0.
131.000	653.19	.90	653.70	126.00	0.	710.87	753.13	126.00	1033.00	1033.00	1047.00	1159.00
132.000	653.05	0.	653.38	316.80	71.51	648.04	744.45	0.	0.	1033.00	1047.00	0.
132.000	653.35	.30	653.82	130.00	41.04	748.47	674.49	130.00	1026.00	1033.00	1047.00	1156.00
121.000	653.75	0.	654.11	180.24	477.20	751.22	235.58	0.	0.	1150.00	1172.00	0.
121.000	654.12	.37	654.54	110.00	386.61	826.63	250.76	110.00	1100.00	1150.00	1172.00	1210.00
12.000	664.39	0.	664.66	185.71	505.05	711.95	246.99	0.	0.	1150.00	1172.00	0.
12.000	664.76	.37	665.11	110.00	397.65	805.13	261.22	110.00	1100.00	1150.00	1172.00	1210.00
122.000	666.58	0.	666.92	181.25	482.69	743.47	237.84	0.	0.	1150.00	1172.00	0.
122.000	666.96	.38	667.36	110.00	388.72	822.53	252.75	110.00	1100.00	1150.00	1172.00	1210.00
* 211.000	668.43	0.	670.22	38.05	0.	1464.00	0.	0.	0.	1093.00	1132.00	0.
* 211.000	668.39	-.04	670.23	38.00	0.	1464.00	0.	38.00	1094.00	1093.00	1132.00	1132.00
* 212.000	668.69	0.	670.44	38.08	0.	1464.00	0.	0.	0.	1093.00	1132.00	0.
* 212.000	668.65	-.04	670.43	38.00	0.	1464.00	0.	38.00	1094.00	1093.00	1132.00	1132.00
21.000	670.57	0.	671.08	256.96	.74	1134.84	328.42	0.	0.	1093.00	1126.00	0.
21.000	670.53	.02	671.11	207.00	0.	1144.62	319.37	207.00	1093.00	1093.00	1126.00	1300.00
11.000	681.37	0.	682.60	92.04	135.17	859.71	367.12	0.	0.	1078.00	1093.00	0.
11.000	681.39	.02	682.60	91.94	135.65	858.01	368.34	92.00	1052.00	1078.00	1093.00	1144.00
10.000	687.40	0.	687.80	134.25	328.66	576.64	56.69	0.	0.	1117.00	1140.00	0.
10.000	687.63	.24	688.08	90.00	340.40	621.60	0.	90.00	1050.00	1117.00	1140.00	1140.00
9.000	695.53	0.	695.73	180.71	162.40	443.38	356.21	0.	0.	1062.00	1078.00	0.
9.000	696.42	.89	696.76	68.00	27.25	595.27	339.48	68.00	1058.00	1062.00	1078.00	1126.00
8.000	704.44	0.	704.62	238.43	60.31	414.55	487.14	0.	0.	1125.00	1150.00	0.
8.000	705.46	1.01	705.71	92.00	0.	557.28	404.72	92.00	1125.00	1125.00	1150.00	1217.00
7.000	719.52	0.	719.98	106.83	47.05	590.10	201.85	0.	0.	1035.00	1052.00	0.
7.000	719.68	.16	720.14	78.00	51.49	599.87	187.64	78.00	1022.00	1035.00	1052.00	1100.00
32.000	724.49	0.	724.79	170.51	189.48	503.92	145.60	0.	0.	1132.00	1148.00	0.
32.000	724.64	.15	725.00	73.00	142.86	544.93	151.22	73.00	1100.00	1132.00	1148.00	1173.00

PRINTED IN U.S.A.

THIS RUN EXECUTED 12/13/78 03:10:30

(Final Profiles)

 MEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 11-22-78
 T2 10 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 VESTAL DR. 1 ASHERBORO

J1	ICHECK	INR	MINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	2.	9.	0.	0.	9.	0.	0.	687.300	0.
J2	MPROF	IPLOT	PREVS	XSECV	XSECH	EQ	ALLDC	IRV	CHNIM	ITRACE
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	13.000	13.000	1.000	2.000	3.000	42.000	5.000	33.000	4.000	25.000
	13.000	23.000	24.000	0.	35.000	13.000	15.000	14.000	55.000	56.000
	26.000	8.000	53.000	54.000	34.000	58.000	10.000	100.000	201.000	0.
J4	UP- I	MPSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-15.000	0.	0.	0.	0.	0.	0.	0.	0.
J5	J-LEC	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J6										
	.136	.135	.061	.190	.300	0.	0.	0.	0.	0.
	4.000	331.000	623.000	793.000	1250.000	0.	0.	0.	0.	0.
J7										
	6.000	12.000	1164.000	1183.000	0.	0.	0.	0.	0.	0.
	700.200	1000.000	689.400	1050.000	687.000	1066.000	685.000	1100.000	686.400	1150.000
	686.100	1164.000	683.300	1168.000	681.200	1176.000	683.800	1179.000	686.500	1183.000
	686.500	1200.000	689.300	1225.000	0.	0.	0.	0.	0.	0.
J8										
	5.000	10.000	1028.000	1062.000	350.000	350.000	350.000	0.	0.	0.
	700.400	1000.000	685.300	1025.000	685.200	1044.000	684.900	1057.000	686.800	1062.000
	687.800	1100.000	686.300	1150.000	687.400	1200.000	687.100	1245.000	692.300	1267.000
	4.000	272.000	513.000	654.000	1034.000	0.	0.	0.	0.	0.

X1	24.000	8.000	1100.000	1114.000	1375.000	1375.000	1375.000	0.	0.	0.
GP	707.600	1000.000	703.700	1059.000	703.100	1100.000	709.800	1100.000	702.800	1114.000
GR	705.000	1150.000	705.000	1200.000	705.300	1250.000	0.	0.	0.	0.
DC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.

X1	241.000	19.000	1100.000	1114.000	25.000	25.000	25.000	0.	0.	0.
X2	10.000	0.	0.	0.	0.	0.	0.	705.000	704.840	0.
GP	707.600	1000.000	703.700	1059.000	703.100	1100.000	703.250	1100.000	702.500	1101.000
GR	701.500	1102.000	701.500	1103.000	702.500	1104.000	703.250	1105.000	703.090	1109.000
GP	702.400	1110.000	701.340	1111.000	701.340	1112.000	702.400	1113.000	703.090	1114.000
GR	702.800	1114.000	705.000	1153.000	705.000	1200.000	705.300	1250.000	0.	0.
SR	.900	2.560	2.500	0.	5.500	.100	19.240	0.	0.	0.

X1	231.000	0.	0.	0.	69.000	69.000	69.000	1.000	.940	0.
X2	0.	0.	1.000	705.940	709.600	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	709.600	709.600	0.
BT	17.000	1000.000	713.100	707.800	1059.000	704.700	703.700	1100.000	709.600	703.250
BT	1101.000	702.800	704.000	1102.000	709.600	705.000	1103.000	709.600	705.000	1104.000
BT	709.600	703.000	1105.000	709.600	703.250	1102.000	709.600	703.090	1110.000	709.600
BT	703.840	1111.000	704.800	704.800	1112.000	709.600	704.840	1113.000	709.600	703.840
BT	1104.000	709.600	703.090	1150.000	710.000	705.000	1200.000	711.500	705.000	1250.000
BT	714.800	705.300	0.	0.	0.	0.	0.	0.	0.	0.
DC	0.	0.	.951	.100	.300	0.	0.	0.	0.	0.

X1	23.000	10.000	1102.000	1105.000	65.000	65.000	65.000	0.	0.	0.
GP	713.300	1000.000	707.900	1050.000	705.700	1100.000	705.900	1150.000	705.100	1102.000
GR	702.700	1102.000	705.200	1105.000	705.300	1200.000	706.900	1250.000	708.000	1300.000

X1	4.000	10.500	1277.000	1274.000	425.000	425.000	425.000	0.	0.	0.
GP	704.300	1000.000	720.200	1050.000	720.500	1100.000	717.500	1150.000	715.800	1200.000
GR	712.400	1200.000	710.800	1277.000	709.000	1287.000	712.400	1274.000	713.100	1300.000
SR	714.840	1325.000	715.300	1350.000	722.700	1400.000	730.100	1450.000	0.	0.

X1	3.000	11.000	1178.000	1191.000	750.000	750.000	750.000	0.	0.	0.
GP	704.000	1000.000	737.900	1050.000	731.300	1100.000	729.800	1150.000	730.000	1178.000
GR	728.300	1107.000	729.000	1191.000	731.200	1200.000	737.500	1250.000	745.000	1265.000
GP	706.800	1300.000	0.	0.	0.	0.	0.	0.	0.	0.

X1	341.000	0.	0.	0.	450.000	450.000	450.000	1.000	3.140	0.
DC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.

X1	301.000	13.000	1170.000	1185.000	67.000	67.000	67.000	0.	0.	0.
X2	10.000	0.	0.	0.	0.	0.	0.	745.500	745.500	0.
GP	706.300	1000.000	751.100	1050.000	706.200	1100.000	742.700	1150.000	742.100	1170.000
GR	744.000	1100.000	743.500	1181.000	752.500	1182.000	743.500	1155.000	744.000	1154.000

69	740.900	1185.000	745.400	1200.000	755.700	1250.000	0.	0.	0.	0.
SH	.900	2.830	2.600	0.	2.360	.100	7.070	0.	0.	0.
X1	344.000	0.	0.	0.	65.000	65.000	65.000	1.000	1.750	0.
X2	0.	0.	1.000	747.250	756.000	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	756.100	756.000	0.
BT	12.000	1005.000	771.800	756.000	1950.000	762.050	751.100	1100.000	758.000	746.200
BT	1150.000	756.000	742.700	1180.000	756.000	744.000	1181.000	756.000	744.500	1182.000
BT	756.000	745.500	1123.000	756.000	744.500	1124.000	756.000	744.000	1185.000	756.000
BT	760.950	1200.000	756.800	745.400	1280.000	759.200	755.700	0.	0.	0.
BC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
X1	33.000	9.000	1170.000	1185.000	43.000	43.000	43.000	0.	0.	0.
69	756.300	1000.000	751.100	1050.000	746.200	1100.000	742.700	1150.000	742.100	1170.000
69	739.600	1142.000	740.900	1185.000	745.600	1200.000	755.700	1250.000	0.	0.
BT	4.000	235.000	446.000	559.000	902.000	0.	0.	0.	0.	0.
X1	2.000	0.000	1088.000	1081.000	200.000	200.000	200.000	0.	0.	0.
69	750.800	1000.000	752.900	1050.000	750.400	1053.000	748.700	1075.000	751.700	1081.000
69	754.000	1100.000	754.100	1150.000	754.000	1200.000	0.	0.	0.	0.
X1	29.000	0.000	1107.000	1118.000	300.000	300.000	300.000	0.	0.	0.
69	779.400	1000.000	770.900	1050.000	765.400	1100.000	765.500	1107.000	764.900	1110.000
69	755.800	1118.000	765.900	1124.000	775.000	1150.000	787.100	1200.000	0.	0.
BT	0.000	140.000	270.000	347.000	535.000	0.	0.	0.	0.	0.
X1	28.000	11.000	1170.000	1177.000	1300.000	1300.000	1300.000	0.	0.	0.
69	816.000	1000.000	814.600	1050.000	810.800	1100.000	806.000	1150.000	803.700	1170.000
69	801.500	1174.000	804.500	1177.000	804.200	1200.000	807.400	1250.000	812.700	1300.000
69	119.300	1350.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.000	155.000	174.000	225.000	354.000	0.	0.	0.	0.	0.
X1	1.000	12.000	1161.000	1169.000	700.000	700.000	700.000	0.	0.	0.
69	832.300	1000.000	827.300	1050.000	825.400	1053.000	819.700	1100.000	815.700	1150.000
69	811.800	1161.000	810.700	1164.000	812.100	1169.000	812.300	1175.000	822.700	1190.000
69	83.400	1200.000	823.500	1250.000	0.	0.	0.	0.	0.	0.
BT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

NEGATIVE AREA SECTION NO. 301 742.12

THIS RUN EXECUTED 12/13/78 03:10:40

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

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESIAL PR.1 ASHERORO

J1	ICHECK	INC	NTRY	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	0.	0.	0.	0.	0.	0.	0.	687.900	0.
J2	NRDF	IPLOT	PREVS	XSCV	XSECH	FL	ALLUC	IRW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

NEGATIVE AREA SECTION NO. 341 742.34

NEGATIVE AREA SECTION NO. 341 742.31

THIS RUN EXECUTED 12/13/78 03:10:44

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51.52.53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 100 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL RR.1 ASHERORO

J1	ICHECK	IND	AINV	ICIR	SIRT	METRIC	RVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.	0.	0.	0.	688.200	0.
J2	PROF	IPLT	PREVS	XSECV	XSECH	FC	ALLO	IRW	CHNIM	IIRACE
	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

NEGATIVE AREA SECTION NO. 341 742.17

THIS RUN EXECUTED 12/13/78 03:10:49

HEG2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51.52.53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 500 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL RR.1 ASHERBORO

J1	ICHECK	INI	WINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.	0.	0.	0.	688.800	0.
J2	NSRGE	IPLOT	PREVS	ASECV	XSECH	FO	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

 SEC2 RELEASE DATED NOV 75 UPDATED AUG1977
 EPPOR CORR - 01.02
 MODIFICATION - 50.51.52.53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF LRPDL5 LIST

PROFILES

VE STAL PR.1 ASHE 0080

SUMMARY PRINTOUT

	SECOO	G	CXSEL	CHLRS	FC	FLMIN	LOGRS	KXCHSC	TOPWTD	AREA	TELMX	XLBEL	PSBL
A	5.000	331.00	687.30	0.	687.44	681.89	40.18	0.	143.14	193.26	689.30	686.10	686.50
	5.000	627.00	687.90	0.	688.12	681.80	62.24	0.	152.50	221.95	689.30	686.10	686.50
	5.000	747.00	688.20	0.	688.45	681.80	70.09	0.	157.18	328.40	689.30	686.10	686.50
	5.000	1250.00	688.80	0.	689.10	681.80	91.20	0.	166.54	425.52	689.30	686.10	686.50
B	5.000	331.00	688.55	0.	688.74	684.90	34.36	8.46	213.05	260.54	692.30	695.30	686.80
	5.000	523.00	689.53	0.	689.61	684.90	31.59	8.26	218.11	443.34	692.30	695.30	686.80
	5.000	743.00	689.92	0.	690.00	684.90	31.43	8.86	220.40	534.63	692.30	695.30	686.80
	5.000	1250.00	690.77	0.	690.87	684.90	32.43	8.86	225.39	725.73	692.30	695.30	686.80
C	24.000	272.00	704.20	0.	704.40	700.30	195.24	11.50	94.85	95.18	705.30	703.10	702.80
	24.000	513.00	704.94	0.	705.34	700.30	195.82	11.50	114.67	167.34	705.30	703.10	702.80
	24.000	654.00	705.23	0.	705.63	700.30	194.59	11.50	206.88	217.08	705.30	703.10	702.80
	24.000	1034.00	705.80	0.	706.21	700.30	189.35	11.50	226.86	344.01	705.30	703.10	702.80
	* 241.000	272.00	705.02	705.02	705.20	701.34	26.55	20.77	169.52	168.75	705.30	703.10	702.80
* 241.000	513.00	705.21	705.21	705.32	701.34	56.94	20.77	204.24	204.75	705.30	703.10	702.80	
* 241.000	654.00	705.50	705.50	706.20	701.34	65.03	20.77	223.61	277.62	705.30	703.10	702.80	
* 241.000	1034.00	706.15	706.15	706.99	701.34	67.24	20.77	231.47	417.14	705.30	703.10	702.80	
D	231.000	272.00	710.04	0.	710.05	702.28	.32	13.62	250.00	1101.69	706.24	704.04	703.74
	231.000	513.00	710.79	0.	710.71	702.28	.75	13.62	250.00	1306.01	706.24	704.04	703.74
	231.000	654.00	710.98	0.	710.98	702.28	1.07	13.62	250.00	1370.24	706.24	704.04	703.74
	231.000	1034.00	711.53	0.	711.53	702.28	1.37	13.62	250.00	1513.41	706.24	704.04	703.74
E	23.000	272.00	710.05	0.	710.05	702.70	.95	6.46	269.89	922.63	708.00	705.10	705.20
	23.000	513.00	710.72	0.	710.72	702.70	2.05	6.46	276.07	1104.73	708.00	705.10	705.20
	23.000	654.00	710.99	0.	711.00	702.70	2.74	6.46	278.50	1180.56	708.00	705.10	705.20
	23.000	1034.00	711.59	0.	711.59	702.70	4.51	6.46	284.14	1349.06	708.00	705.10	705.20
F	4.000	272.00	713.75	0.	713.12	709.00	138.32	14.82	52.94	74.82	728.80	710.80	712.20
	4.000	513.00	713.60	0.	714.10	709.00	149.87	14.82	92.34	134.09	728.80	710.80	712.20
	4.000	654.00	713.95	0.	714.51	709.00	154.95	14.82	102.94	168.77	728.80	710.80	712.20

4.000	1034.00	714.70	0.	715.38	709.00	163.73	14.82	125.03	254.38	728.80	710.80	712.20
3.000	272.00	730.98	730.98	731.46	728.30	343.64	25.73	78.43	78.95	741.00	730.00	729.40
3.000	513.00	731.61	0.	732.20	728.30	332.20	25.73	98.55	134.73	741.00	730.00	729.40
3.000	654.00	731.91	0.	732.54	728.30	325.13	25.73	105.36	164.81	741.00	730.00	729.40
3.000	1034.00	732.54	0.	733.25	728.30	312.62	25.73	116.51	235.40	741.00	730.00	729.40

SECNO		CWSEL	CR195	EG	ELMIN	10KPS	K*CHSL	TOPWID	AREA	TELMX	XI BEL	WBEL
331.000	272.00	739.58	0.	739.80	736.44	126.13	18.09	93.24	119.23	749.14	738.14	737.54
331.000	513.00	740.31	0.	740.54	736.44	128.69	18.09	110.75	194.52	749.14	738.14	737.54
331.000	654.00	740.65	0.	740.94	736.44	130.29	18.09	116.02	231.87	749.14	738.14	737.54
331.000	1034.00	741.38	0.	741.76	736.44	134.27	18.09	127.75	321.14	749.14	738.14	737.54
* 341.000	272.00	745.22	745.22	746.35	740.90	99.43	66.57	15.00	31.84	755.70	742.10	740.90
* 341.000	513.00	745.54	745.54	745.93	740.90	64.82	66.57	91.21	192.75	755.70	742.10	740.90
* 341.000	654.00	745.59	745.59	746.33	740.90	110.32	66.57	90.56	189.70	755.70	742.10	740.90
* 341.000	1034.00	746.01	746.01	747.40	740.90	145.27	66.57	100.24	237.95	755.70	742.10	740.90
441.000	272.00	757.19	0.	757.19	742.65	.04	26.92	240.48	1854.75	757.45	743.85	742.65
441.000	513.00	757.86	0.	757.86	742.65	.13	26.92	248.21	2019.55	757.45	743.85	742.65
441.000	654.00	758.13	0.	758.13	742.65	.19	26.92	250.00	2087.52	757.45	743.85	742.65
441.000	1034.00	758.71	0.	758.74	742.65	.39	26.92	250.00	2231.80	757.45	743.85	742.65
33.000	272.00	757.19	0.	757.19	739.60	.06	-70.93	250.00	2324.02	755.70	742.10	740.90
33.000	513.00	757.87	0.	757.87	739.60	.16	-70.93	250.00	2442.29	755.70	742.10	740.90
33.000	654.00	758.14	0.	758.14	739.60	.16	-70.93	250.00	2560.38	755.70	742.10	740.90
33.000	1034.00	758.73	0.	758.73	739.60	.33	-70.93	250.00	2709.84	755.70	742.10	740.90
2.000	235.00	757.29	0.	757.22	748.70	2.14	45.50	93.02	366.67	760.80	750.40	751.30
2.000	469.00	757.89	0.	757.93	748.70	5.16	45.50	100.83	433.79	760.80	750.40	751.30
2.000	694.00	758.17	0.	758.23	748.70	7.20	45.50	104.01	462.62	760.80	750.40	751.30
2.000	902.00	758.79	0.	758.91	748.70	13.14	45.50	111.03	529.56	760.80	750.40	751.30
* 25.000	235.00	767.65	767.65	768.43	764.90	369.06	54.00	35.46	47.74	779.40	765.50	765.80
* 25.000	469.00	768.55	768.55	769.58	764.90	343.14	54.00	47.53	85.22	779.40	765.50	765.80
* 25.000	694.00	769.01	769.01	770.09	764.90	328.33	54.00	53.70	107.65	779.40	765.50	765.80
* 25.000	902.00	769.58	769.58	771.17	764.90	310.94	54.00	66.46	158.93	779.40	765.50	765.80
25.000	140.00	805.15	0.	805.43	801.50	241.65	28.15	57.44	51.21	816.90	803.70	804.50
25.000	270.00	805.78	0.	806.18	801.50	235.41	28.15	72.69	92.01	816.90	803.70	804.50
25.000	347.00	806.05	0.	806.66	801.50	242.65	28.15	79.27	112.33	816.90	803.70	804.50
25.000	556.00	806.69	0.	807.10	801.50	236.25	28.15	95.34	166.36	816.90	803.70	804.50
1.000	88.00	813.76	0.	813.98	810.70	80.65	13.14	21.38	34.38	823.50	811.80	812.10
1.000	171.00	814.65	0.	814.94	810.70	85.36	13.14	25.47	56.84	823.50	811.80	812.10
1.000	226.00	815.11	0.	815.44	810.70	87.14	13.14	27.44	69.07	823.50	811.80	812.10
1.000	309.00	816.05	0.	816.54	810.70	86.22	13.14	35.32	93.30	823.50	811.80	812.10

VESTAL #1 ASHBORO

SUMMARY PRINTOUT

SECTID	QLOP	QROB	QCR	VLDP	VROR	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
6.000	77.25	9.19	244.57	.73	.55	3.43	5.50	1064.00	1207.14	0.	0.	.14
6.000	201.53	31.50	329.87	1.21	.97	4.72	6.10	1060.00	1212.50	0.	.60	.22
6.000	222.39	48.20	452.41	1.92	1.15	5.24	6.40	1054.00	1215.18	0.	.30	.26
6.000	505.37	98.07	545.95	1.92	1.55	6.48	7.00	1054.00	1220.54	0.	.60	.36
6.000	0.	129.92	201.02	0.	.50	2.46	3.76	1038.53	1251.58	350.00	0.	.08
6.000	0.	337.11	245.69	0.	.74	3.13	4.63	1037.15	1255.26	350.00	.87	.08
6.000	0.	450.31	332.69	0.	1.06	3.28	5.02	1036.52	1256.93	350.00	.39	.08
6.000	0.	736.09	453.91	0.	1.32	3.67	5.87	1035.17	1260.55	350.00	.86	.09
20.000	59.75	21.27	190.95	1.34	1.23	5.56	3.46	1042.92	1137.77	1375.00	0.	.35
20.000	166.32	53.24	267.42	1.83	1.55	6.56	4.14	1034.21	1148.88	1375.00	.48	.40
20.000	226.32	75.25	332.32	2.13	1.51	5.93	4.43	1030.45	1237.34	1375.00	.29	.41
20.000	365.82	244.11	425.97	2.47	1.74	7.58	5.30	1023.14	1250.00	1375.00	.58	.41
* 241.000	67.57	24.50	179.81	.74	.50	5.03	3.58	1033.12	1202.79	25.00	0.	.26
* 241.000	132.58	55.20	325.22	1.20	.70	8.47	4.27	1030.65	1234.89	25.00	.19	.71
* 241.000	175.51	97.40	332.09	1.35	.92	8.57	4.20	1025.39	1250.00	25.00	.33	.72
* 241.000	241.53	228.45	525.95	1.60	1.20	10.18	4.31	1018.53	1250.00	25.00	.61	.83
231.000	74.76	96.02	85.22	.17	.15	1.03	7.76	1000.00	1250.00	69.00	0.	.01
231.000	182.37	196.69	173.44	.29	.27	1.70	8.42	1000.00	1250.00	69.00	.66	.02
231.000	145.07	240.35	218.50	.35	.34	2.57	6.68	1000.00	1250.00	69.00	.26	.02
231.000	315.84	387.20	335.99	.51	.49	2.95	9.25	1000.00	1250.00	69.00	.57	.05
23.000	123.51	26.64	61.54	.25	.25	.77	7.35	1030.11	1400.00	65.00	0.	.00
23.000	232.44	167.75	135.76	.46	.46	1.26	8.02	1023.93	1400.00	65.00	.67	.01
23.000	307.35	215.51	130.49	.48	.48	1.42	8.29	1021.40	1300.00	65.00	.27	.01
23.000	495.25	345.00	131.71	.67	.57	1.94	8.49	1015.86	1400.00	65.00	.60	.02
4.000	44.50	.50	220.96	1.35	.54	5.20	3.76	1244.77	1237.71	425.00	0.	.36
4.000	124.03	10.49	375.49	1.93	.39	7.53	4.00	1232.42	1324.76	425.00	.83	.50
4.000	172.82	27.44	453.94	2.13	1.15	7.10	4.95	1227.21	1336.15	425.00	.36	.56
4.000	302.34	93.64	632.92	2.51	1.70	8.24	5.70	1216.16	1341.19	425.00	.75	.68
* 2.000	20.51	10.68	171.91	1.67	1.71	6.48	2.88	1120.48	1192.90	750.00	0.	.48
2.000	213.36	28.31	271.39	2.40	2.27	8.17	3.31	1104.68	1203.23	750.00	.63	.59
2.000	292.07	40.34	321.53	2.62	2.57	8.69	3.61	1099.14	1205.51	750.00	.30	.63
2.000	517.37	76.01	440.69	3.17	2.50	9.74	4.24	1093.55	1210.45	750.00	.63	.71
331.000	102.19	13.86	149.96	1.40	1.31	4.92	3.14	1108.72	1201.96	450.00	0.	.21
331.000	242.92	34.35	235.73	1.82	1.55	5.81	3.57	1096.90	1207.64	450.00	.73	.27
331.000	325.91	47.72	260.37	2.03	1.80	6.25	4.21	1094.20	1210.22	450.00	.33	.30
331.000	557.05	58.52	352.24	2.47	2.07	7.21	4.94	1088.19	1215.94	450.00	.73	.36
* 341.000	0.	0.	272.00	0.	0.	8.54	4.32	1170.00	1185.00	67.00	0.	1.13

*	341.000	182.08	54.69	276.23	1.51	1.53	7.54	4.64	1109.46	1200.67	67.00	.32	.49
*	341.000	232.14	69.69	352.13	1.96	1.97	9.75	4.60	1109.94	1200.51	67.00	-.03	.82
*	341.000	367.63	111.13	552.24	2.44	2.54	12.71	5.11	1102.72	1202.96	67.00	.51	1.39
	344.000	126.62	38.10	107.27	.10	.09	.58	14.54	1008.26	1248.74	65.00	0.	.00
	344.000	240.94	73.72	198.34	.18	.16	1.02	15.21	1001.79	1250.00	65.00	.67	.01
	344.000	308.22	95.01	250.77	.22	.19	1.26	15.48	1000.00	1250.00	65.00	.27	.01
	344.000	491.15	153.22	389.62	.33	.29	1.87	16.06	1000.00	1250.00	65.00	.59	.02

SECNO	QLOR	PROB	QCH	VLOR	VROR	VCH	DEPTH	SSTA	EMDST	XLGH	DIFWSP	HV
33.000	152.63	47.81	71.56	.10	.09	.29	17.59	1000.00	1250.00	43.00	0.	.00
33.000	290.15	91.85	130.99	.18	.16	.51	18.26	1000.00	1250.00	43.00	.67	.00
33.000	371.02	117.87	165.10	.22	.20	.63	18.54	1000.00	1250.00	43.00	.27	.00
33.000	590.27	188.83	254.90	.33	.29	.94	19.13	1000.00	1250.00	43.00	.60	.00
2.000	65.17	43.14	126.68	.41	.39	1.31	8.50	1022.80	1115.83	200.00	0.	.02
2.000	129.50	86.35	228.04	.62	.65	2.16	9.19	1018.42	1119.25	200.00	.69	.04
2.000	168.17	115.79	285.05	.82	.78	2.61	9.47	1016.64	1120.65	200.00	.28	.06
2.000	275.95	193.44	432.71	1.15	1.11	3.68	10.09	1012.70	1123.73	200.00	.62	.11
* 20.000	53.14	8.41	173.42	2.40	1.90	8.20	2.75	1085.32	1120.78	300.00	0.	.79
* 20.000	132.98	23.55	289.47	2.83	2.41	9.89	3.65	1075.51	1123.10	300.00	.90	1.03
* 20.000	184.15	34.74	348.12	3.04	2.63	10.46	4.10	1070.69	1124.39	300.00	.44	1.09
* 20.000	335.95	72.12	493.50	3.49	3.30	12.06	4.95	1061.40	1127.86	300.00	.85	1.32
23.000	12.20	33.45	94.30	1.30	1.32	5.67	3.65	1157.40	1214.83	1300.00	0.	.34
23.000	32.98	47.43	140.48	1.71	1.87	6.68	4.22	1151.94	1224.63	1300.00	.63	.39
23.000	45.55	137.02	164.42	1.91	2.09	7.18	4.55	1149.54	1228.81	1300.00	.27	.41
23.000	91.95	247.53	216.51	2.39	2.46	7.95	5.16	1143.10	1238.48	1300.00	.62	.44
1.000	4.53	12.54	70.81	.91	1.20	3.75	3.00	1155.64	1177.02	700.00	0.	.18
1.000	14.21	31.12	123.67	1.23	1.55	4.85	3.96	1152.93	1178.40	700.00	.96	.28
1.000	21.41	43.01	161.53	1.33	1.45	5.35	4.41	1151.63	1179.07	700.00	.45	.33
1.000	46.53	75.91	245.56	1.75	2.25	6.47	5.38	1145.15	1189.46	700.00	.97	.46

VESTAL RR. 1 ASHERORO

SUMMARY PRINTOUT TABLE 100

SECNO	EGLAC	ELLC	EGPSS	ELTRD	OPR	QWEIR	CLASS	HD	DEPTH	GWSEL	VCH	EG
231.000	707.26	705.96	712.76	709.60	216.42	55.71	30.00	.01	7.76	710.04	1.03	710.05
231.000	711.32	705.94	733.47	709.60	226.36	241.16	30.00	.05	8.42	710.70	1.70	710.71
231.000	712.59	705.94	751.67	709.60	225.13	429.34	30.00	.05	8.68	710.96	2.07	710.98
231.000	715.97	705.94	820.97	709.60	224.77	817.73	30.00	.06	9.25	711.53	2.95	711.58
344.000	747.25	747.25	810.25	756.00	115.59	157.54	30.00	.25	14.54	757.19	.58	757.19
344.000	1125.57	747.25	975.99	756.00	113.41	399.00	30.00	.05	15.21	757.86	1.02	757.86
344.000	1250.39	747.25	1121.53	756.00	119.37	535.45	30.00	.13	15.48	758.13	1.26	758.14
344.000	179.65	747.25	1605.95	756.00	120.31	913.95	30.00	.32	15.06	758.71	1.87	758.74

SUMMARY OF ERRORS

CAUTION	SECNO=	241.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	241.000	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	241.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	241.000	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	241.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	241.000	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	241.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	241.000	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	3.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3.000	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	341.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	341.000	PROFILE=	1	PROGRAMME MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	341.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE GWSEL
CAUTION	SECNO=	341.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	341.000	PROFILE=	2	PROGRAMME MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	341.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE GWSEL
CAUTION	SECNO=	341.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	341.000	PROFILE=	3	PROGRAMME MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	341.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE GWSEL
CAUTION	SECNO=	341.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	341.000	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	29.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	29.000	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	29.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	29.000	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	29.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	29.000	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	29.000	PROFILE=	4	CRITICAL DEPTH ASSUMED

THIS RUN EXECUTED 02/09/79 01:47:56

(Final Floodway)

 REC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

T1 FIS RANDOLPH CO. N.C. 12-7-78
 T2 FLOODWAY--NATURAL PROFILE
 T3 VESTAL-BR.1 ASHFORD

J1	ICHECK	ING	NIAV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	0.	0.	0.	0.	688.200	0.
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	LTPACE
	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.
J5	LPRIT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	I-REFC	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
IC	WT	ET	0.136	.136	.061	.100	.300	0.	0.	0.
	3.000	793.000	793.000	793.000	0.	0.	0.	0.	0.	0.
	0.	0.	6.400	0.	0.	0.	0.	0.	0.	0.
X1	GP	GT	ET	6.000	12.000	1164.000	1143.000	0.	0.	0.
	700.200	1000.000	689.400	1050.000	687.000	1060.000	685.800	1100.000	686.400	1150.000
	686.100	1164.000	683.300	1168.000	681.800	1176.000	683.600	1179.000	686.500	1183.000
	686.500	1200.000	689.300	1225.000	0.	0.	0.	0.	0.	0.
	0.	0.	9.100	0.	0.	0.	0.	0.	1028.000	1128.000
X1	GP	GT	ET	5.000	10.000	1028.000	1062.000	350.000	350.000	350.000
	700.400	1000.000	695.300	1024.000	685.200	1044.000	684.900	1057.000	686.800	1062.000
	687.800	1100.000	688.300	1150.000	687.400	1200.000	687.100	1245.000	692.300	1267.000
	3.000	654.000	654.000	654.000	0.	0.	0.	0.	0.	0.
	0.	0.	9.100	0.	0.	0.	0.	0.	1050.000	1150.000
X1	GP	GT	ET	24.000	8.000	1100.000	1114.000	1375.000	1375.000	1375.000
									0.	0.

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GP	707.600	1000.000	703.700	1050.000	703.100	1100.000	700.800	1100.000	702.800	1114.000
GR	705.000	1150.000	705.000	1200.000	705.300	1250.000	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.	1050.000	1150.000

X1	241.000	19.000	1100.000	1114.000	26.000	26.000	26.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	705.000	704.840	0.
GP	707.600	1000.000	703.700	1050.000	703.100	1100.000	703.250	1100.000	702.500	1101.000
GR	701.500	1102.000	701.500	1103.000	702.500	1104.000	703.250	1105.000	703.090	1109.000
GR	702.400	1110.000	701.340	1111.000	701.340	1112.000	702.400	1113.000	703.090	1114.000
GR	702.800	1114.000	705.000	1150.000	705.600	1200.000	705.300	1250.000	0.	0.
SR	.900	2.550	2.600	0.	5.500	.100	19.240	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1050.000	1150.000

X1	231.000	0.	0.	0.	69.000	69.000	69.000	1.000	.940	0.
X2	0.	0.	1.000	705.940	709.600	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	709.600	709.600	0.
HT	17.000	1000.000	713.100	707.600	1050.000	709.700	703.700	1100.000	709.600	703.250
BT	1101.000	709.600	704.000	1102.000	709.600	705.000	1103.000	709.600	705.000	1104.000
HT	709.600	704.000	1105.000	709.600	703.250	1109.000	709.600	703.090	1110.000	709.600
HT	703.840	1111.000	709.600	704.840	1112.000	709.600	704.840	1113.000	709.600	703.840
HT	1114.000	709.600	703.090	1150.000	710.000	705.000	1200.000	711.800	705.000	1250.000
BT	714.800	705.300	0.	0.	1.	0.	0.	0.	0.	0.
NC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1050.000	1150.000

X1	23.000	10.000	1182.000	1195.000	65.000	65.000	65.000	0.	0.	0.
GR	713.300	1000.000	707.900	1050.000	706.700	1100.000	705.900	1150.000	705.100	1182.000
GR	702.700	1129.000	705.200	1195.000	705.300	1200.000	706.900	1250.000	708.000	1300.000
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1227.000	1327.000

X1	4.000	14.000	1277.000	1294.000	425.000	425.000	425.000	0.	0.	0.
GR	728.800	1000.000	724.200	1050.000	720.600	1100.000	717.500	1150.000	715.800	1200.000
GR	712.400	1250.000	710.500	1277.000	709.000	1287.000	712.200	1294.000	713.100	1300.000
GR	715.500	1325.000	715.300	1356.000	722.700	1400.000	730.100	1450.000	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1099.000	1199.000

X1	3.000	11.000	1178.000	1191.000	750.000	750.000	750.000	0.	0.	0.
GR	741.000	1000.000	737.900	1050.000	731.800	1100.000	729.800	1150.000	730.000	1178.000
GR	728.300	1147.000	729.400	1191.000	731.200	1200.000	737.600	1250.000	745.000	1265.000
GR	746.500	1394.000	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1200.000

X1	331.000	0.	0.	0.	450.000	450.000	450.000	1.000	8.140	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1110.000	1201.000

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X1	341.000	13.000	1170.000	1185.000	67.000	67.000	67.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	745.500	745.500	0.
GR	756.300	1000.000	751.100	1050.000	746.200	1100.000	742.700	1150.000	742.100	1170.000
SR	744.000	1180.000	743.500	1181.000	742.500	1182.000	743.500	1183.000	744.000	1184.000
GR	740.900	1135.000	745.400	1200.000	755.700	1250.000	0.	0.	0.	0.
SR	.900	2.830	2.600	0.	2.350	.100	7.070	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1050.000	1200.000

X1	344.000	0.	0.	0.	65.000	65.000	65.000	1.000	1.750	0.
X2	0.	0.	1.000	747.250	756.000	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	756.100	756.000	0.
BT	12.000	1000.000	771.500	756.300	1050.000	762.050	751.100	1100.000	758.000	746.200
BT	1150.000	756.300	742.700	1180.000	755.000	744.000	1181.000	756.000	744.500	1182.000
PT	756.000	745.500	1183.000	756.000	744.500	1184.000	756.000	744.000	1185.000	756.000
BT	740.900	1200.000	756.600	745.400	1250.000	759.200	755.700	0.	0.	0.
NC	0.	0.	.051	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1050.000	1200.000

X1	33.000	9.000	1170.000	1185.000	43.000	43.000	43.000	0.	0.	0.
GR	756.300	1000.000	751.100	1050.000	746.200	1100.000	742.700	1150.000	742.100	1170.000
GR	739.600	1182.000	740.900	1185.000	745.300	1200.000	755.700	1250.000	0.	0.
BT	3.000	544.000	569.000	569.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1050.000	1100.000

X1	0.000	4.000	1068.000	1081.000	200.000	200.000	200.000	0.	0.	0.
GR	750.000	1000.000	752.900	1050.000	750.400	1068.000	748.700	1075.000	751.300	1081.000
GR	754.000	1100.000	754.100	1150.000	759.000	1200.000	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1070.000	1124.000

X1	28.000	9.000	1107.000	1118.000	300.000	300.000	300.000	0.	0.	0.
GR	772.400	1000.000	770.900	1050.000	755.300	1100.000	765.500	1107.000	764.900	1110.000
GR	765.800	1116.000	768.900	1124.000	775.300	1150.000	787.100	1200.000	0.	0.
BT	3.000	347.000	347.000	347.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1149.000	1229.000

X1	20.000	11.000	1170.000	1177.000	1300.000	1300.000	1300.000	0.	0.	0.
GR	816.900	1000.000	814.600	1050.000	810.800	1100.000	806.000	1150.000	803.700	1170.000
GR	801.500	1174.000	804.500	1177.000	804.200	1200.000	807.400	1250.000	812.700	1300.000
GR	819.300	1350.000	0.	0.	0.	0.	0.	0.	0.	0.
BT	3.000	226.000	226.000	226.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1151.000	1179.000

X1	1.000	12.000	1161.000	1169.000	700.000	700.000	700.000	0.	0.	0.
GR	832.300	1000.000	827.300	1050.000	825.400	1053.000	819.700	1100.000	815.700	1150.000
GR	811.800	1161.000	810.700	1164.000	812.100	1169.000	812.300	1175.000	822.700	1190.000
GR	823.400	1200.000	823.500	1250.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

THIS RUN EXECUTED 02/09/79 01:48:24

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

T1 FIS RAYDOLPH CO. N.C. 12-7-78
T2 FLOODWAY--METHOD 1
T3 VESTAL-BR.1 ASHEBORO

J1	ICHECK	IRG	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	3.	0.	0.	0.	0.	0.	0.	688.800	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IRW	CHNIM	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

HL=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= 1050.00 STENCR= 1150.00
 NEGATIVE AREA SECTION NO. 341 742.30
 3700. BRIDGE STENCL= 1050.00 STENCR= 1200.00

THIS RUN EXECUTED 02/09/79 01:48:31

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

VESTAL-RR.1 ASHEROHO

SUMMARY PRINTOUT TABLE 100

SECNO	EGLWC	ELLC	EGPKS	ELTPO	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
231.000	712.69	705.94	751.47	709.60	225.13	429.88	30.00	.05	8.68	710.95	2.07	710.98
*231.000	713.10	705.94	751.35	709.60	229.55	424.74	30.00	.09	8.72	711.00	3.23	711.08
344.000	1290.39	747.25	1121.53	756.00	119.37	535.45	30.00	.13	15.48	758.13	1.26	754.14
*344.000	1293.48	747.25	1121.53	756.00	120.40	535.35	30.00	.13	15.58	758.23	1.41	758.25

VESTAL-RR.1 ASHEBORO

SUMMARY PRINTOUT TABLE 105

SECTNO	CWSFL	HL	LOSS	TOPWID	QLOH	QCH	QRDR
24.000	705.23	15.54	.10	206.88	226.36	332.38	95.25
24.000	705.37	14.76	.07	100.00	218.22	338.26	97.51
* 241.000	705.54	.17	.24	227.61	174.51	382.09	97.40
* 241.000	705.42	.23	.33	100.00	162.37	417.62	74.00
231.000	710.96	4.72	0.	250.00	195.07	218.54	240.35
231.000	711.00	4.64	0.	100.00	190.81	343.43	119.76
23.000	710.99	.01	.00	278.60	307.99	130.49	215.51
23.000	711.16	.10	.01	100.00	654.00	0.	0.
331.000	740.65	8.37	.03	116.02	325.91	280.37	47.72
331.000	740.70	8.41	.04	100.00	331.71	283.54	38.76
* 341.000	745.50	.74	.32	90.56	232.18	352.13	69.69
* 341.000	745.50	.74	.31	90.49	232.21	352.11	69.68
344.000	758.13	11.81	0.	250.00	308.22	250.77	95.01
344.000	758.23	11.92	0.	150.00	330.08	283.44	40.48
33.000	758.14	.00	.00	250.00	371.02	165.10	117.87
33.000	758.24	.00	.00	150.00	408.73	198.85	46.42

VESTAL-RR.1 ASHEROFO

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	WLOW	QCH	QROP	PERENC	STENCL	STCHL	STCHR	STENCH
5.000	688.20	0.	688.46	157.14	282.39	462.41	48.20	0.	0.	1164.00	1183.00	0.
5.000	688.20	.60	689.15	71.14	238.91	554.09	0.	.28	1111.86	1164.00	1183.00	1183.00
5.000	689.92	0.	690.00	220.40	0.	332.69	460.31	0.	0.	1028.00	1062.00	0.
5.000	690.78	.86	690.94	92.84	0.	489.04	303.96	100.00	1028.00	1028.00	1062.00	1128.00
24.000	705.23	0.	705.63	206.88	226.36	332.38	95.25	0.	0.	1100.00	1114.00	0.
24.000	705.37	.14	705.77	100.00	218.22	338.25	97.51	100.00	1050.00	1100.00	1114.00	1150.00
* 241.000	705.54	0.	706.26	223.51	174.51	382.09	97.40	0.	0.	1100.00	1114.00	0.
* 241.000	705.42	-.12	706.44	100.00	162.37	417.62	74.00	100.00	1050.00	1100.00	1114.00	1150.00
231.000	710.96	0.	710.98	250.00	195.07	218.54	240.35	0.	0.	1100.00	1114.00	0.
231.000	711.09	.03	711.03	100.00	190.41	343.43	119.76	100.00	1050.00	1100.00	1114.00	1150.00
23.000	710.99	0.	711.00	278.50	307.99	130.49	215.51	0.	0.	1182.00	1195.00	0.
23.000	711.16	.17	711.19	100.00	654.00	0.	0.	100.00	1050.00	1182.00	1195.00	1150.00
4.000	713.95	0.	714.51	102.94	172.62	453.94	27.44	0.	0.	1277.00	1294.00	0.
4.000	714.13	.18	714.60	100.00	179.65	439.85	34.50	100.00	1227.00	1277.00	1294.00	1327.00
3.000	731.91	0.	732.54	106.36	292.07	321.53	40.39	0.	0.	1178.00	1191.00	0.
3.000	731.87	-.04	732.55	99.55	291.36	327.13	35.46	100.00	1099.00	1178.00	1191.00	1199.00
331.000	740.65	0.	740.94	116.02	325.91	280.37	47.72	0.	0.	1178.00	1191.00	0.
331.000	740.70	.05	740.99	100.00	331.71	283.54	38.76	100.00	1100.00	1178.00	1191.00	1200.00
* 341.000	745.50	0.	746.33	70.56	232.18	352.13	69.69	0.	0.	1170.00	1185.00	0.
* 341.000	745.50	-.00	746.33	70.49	232.21	352.11	69.68	91.00	1110.00	1170.00	1185.00	1201.00
344.000	758.13	0.	758.14	250.00	308.22	250.77	95.01	0.	0.	1170.00	1185.00	0.
344.000	758.23	.10	758.25	150.00	330.08	283.44	40.48	150.00	1050.00	1170.00	1185.00	1200.00
33.000	758.14	0.	758.14	250.00	471.02	165.10	117.87	0.	0.	1170.00	1185.00	0.
33.000	758.24	.11	758.25	150.00	408.73	198.85	46.42	150.00	1050.00	1170.00	1185.00	1200.00
2.000	758.17	0.	758.23	104.01	168.17	285.05	115.79	0.	0.	1068.00	1081.00	0.
2.000	758.24	.11	758.38	50.00	122.21	344.72	102.07	50.00	1050.00	1068.00	1081.00	1100.00
* 29.000	769.00	0.	770.09	53.70	155.15	348.12	34.74	0.	0.	1107.00	1116.00	0.
* 29.000	769.04	.04	770.09	53.79	187.73	346.26	35.01	54.00	1070.00	1107.00	1116.00	1124.00
28.000	806.05	0.	806.46	79.27	45.55	164.42	137.02	0.	0.	1170.00	1177.00	0.
28.000	806.02	-.02	806.45	78.70	45.92	165.73	136.24	80.00	1149.00	1170.00	1177.00	1229.00
1.000	815.11	0.	815.44	27.44	21.41	161.58	43.01	0.	0.	1161.00	1169.00	0.

VESTAL - R.1 ASHERBORO

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	WLOH	QCH	QROH	PERFNC	SIENCL	STCHL	STCHR	SIENCR
6.000	688.20	0.	588.66	157.14	282.39	462.41	48.20	0.	0.	1164.00	1183.00	0.
6.000	689.40	.60	589.15	71.14	238.91	554.09	0.	.28	1111.86	1164.00	1183.00	1183.00
5.000	589.92	0.	690.00	220.40	0.	332.69	460.31	0.	0.	1028.00	1062.00	0.
5.000	590.75	.86	690.94	92.84	0.	489.04	303.96	100.00	1028.00	1028.00	1062.00	1128.00
24.000	705.23	0.	705.63	206.85	226.35	332.38	95.25	0.	0.	1100.00	1114.00	0.
24.000	705.37	.14	705.77	100.00	214.22	338.25	97.51	100.00	1050.00	1100.00	1114.00	1150.00
* 241.000	705.54	0.	706.25	223.51	174.51	382.09	97.40	0.	0.	1100.00	1114.00	0.
* 241.000	705.42	-.12	706.44	100.00	162.37	417.62	74.00	100.00	1050.00	1100.00	1114.00	1150.00
231.000	710.45	0.	710.94	250.00	195.07	218.54	249.35	0.	0.	1100.00	1114.00	0.
231.000	711.00	.94	711.04	100.00	190.81	343.43	119.76	100.00	1050.00	1100.00	1114.00	1150.00
23.000	710.94	0.	711.00	278.60	307.99	130.49	215.51	0.	0.	1182.00	1195.00	0.
23.000	711.10	.17	711.19	100.00	654.00	0.	0.	100.00	1050.00	1182.00	1195.00	1150.00
4.000	714.95	0.	714.51	103.96	172.52	453.94	27.44	0.	0.	1277.00	1294.00	0.
4.000	714.13	.13	714.60	101.00	179.65	439.35	34.50	100.00	1227.00	1277.00	1294.00	1327.00
73.000	731.91	0.	732.54	105.35	292.07	321.53	40.39	0.	0.	1178.00	1191.00	0.
73.000	731.57	-.04	732.85	99.55	291.35	327.19	35.46	100.00	1099.00	1178.00	1191.00	1199.00
331.000	740.85	0.	740.94	116.02	325.91	280.37	47.72	0.	0.	1178.00	1191.00	0.
331.000	740.70	.05	740.95	100.00	331.71	283.54	38.76	100.00	1100.00	1178.00	1191.00	1200.00
* 341.000	745.50	0.	746.33	90.56	232.18	352.13	69.69	0.	0.	1170.00	1185.00	0.
* 341.000	745.50	-.00	746.33	90.49	232.21	352.11	69.58	91.00	1110.00	1170.00	1185.00	1201.00
340.000	754.13	0.	754.14	250.00	304.22	250.77	95.01	0.	0.	1170.00	1185.00	0.
340.000	754.23	.10	754.25	150.00	330.04	283.44	40.48	150.00	1050.00	1170.00	1185.00	1200.00
33.000	754.14	0.	754.14	250.00	371.02	165.10	117.67	0.	0.	1170.00	1185.00	0.
33.000	754.24	.11	754.25	150.00	408.73	198.85	46.42	150.00	1050.00	1170.00	1185.00	1200.00
2.000	754.17	0.	754.23	104.01	168.17	285.05	115.75	0.	0.	1062.00	1081.00	0.
2.000	754.27	.11	754.38	59.00	122.21	344.72	102.07	50.00	1050.00	1062.00	1081.00	1100.00
* 29.000	764.00	0.	770.09	53.70	145.15	348.12	34.74	0.	0.	1107.00	1116.00	0.
* 29.000	769.04	.64	770.09	53.79	147.73	346.25	35.01	54.00	1070.00	1107.00	1116.00	1124.00
27.000	806.05	0.	806.46	74.27	45.55	164.42	137.62	0.	0.	1170.00	1177.00	0.
27.000	806.02	-.02	806.45	74.70	45.92	165.73	136.24	80.00	1149.00	1170.00	1177.00	1229.00
1.000	815.11	0.	815.44	27.44	21.41	161.54	43.01	0.	0.	1161.00	1169.00	0.

THIS RUN EXECUTED 12/13/78 03:10:58

(Final Profile)

 HEC2 RELEASE DATED NOV 76 UPDATED AGR1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53

T1 FIS-RANDOLPH CO. N.C. 11-22-78
 T2 10 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 VESTAL-RR. 2 ASHEBORO

01	ICHECK	LOG	NIRV	IOIR	STRT	METRIC	RVINS	0	WSEL	F0
	-1.	2.	0.	0.	0.	0.	0.	0.	664.700	0.
02	MPAGE	IPLDT	PREVS	XSECV	XSECH	EN	ALLOC	IB	CHIM	ITRACE
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
03	VARIABLE CODES FOR SUMMARY PRINTOUT									
	29.000	43.000	1.000	2.000	3.000	42.000	5.000	33.000	4.000	25.000
	43.000	24.000	24.000	0.	38.000	13.000	15.000	14.000	55.000	56.000
	29.000	3.000	53.000	54.000	39.000	50.000	10.000	100.000	201.000	0.
05	LPRINT	NOU SEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
06	FILED	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
08	BT									
	.136	.136	.061	.100	.300	0.	0.	0.	0.	0.
	4.000	214.000	393.000	495.000	760.000	0.	0.	0.	0.	0.
09	BT									
	17.000	10.000	1071.000	1084.000	0.	0.	0.	0.	0.	0.
	577.900	1000.000	665.200	1050.000	663.100	1071.000	662.000	1072.000	661.500	1084.000
	543.900	1025.000	664.700	1100.000	666.000	1150.000	666.200	1150.000	664.100	1195.000
09	BT									
	16.000	9.000	1000.000	1021.000	406.000	800.000	800.000	0.	0.	0.
	543.300	1000.000	672.100	1056.000	672.200	1014.000	673.800	1021.000	676.500	1050.000
	577.000	1100.000	677.700	1150.000	678.300	1200.000	653.200	1230.000	0.	0.

X1	15.000	9.000	1060.000	1072.000	1000.000	1000.000	1000.000	0.	0.	0.
GR	702.000	1000.000	632.300	1050.000	600.200	1050.000	688.000	1066.000	688.800	1073.000
SR	641.100	1079.000	691.100	1100.000	693.400	1150.000	698.800	1200.000	0.	0.
X1	25.000	12.000	1132.000	1144.000	750.000	750.000	750.000	0.	0.	0.
GR	712.500	1000.000	704.800	1050.000	705.500	1100.000	704.500	1132.000	702.400	1133.000
SR	702.500	1142.000	704.600	1144.000	705.100	1200.000	705.100	1250.000	705.300	1300.000
GR	707.500	1350.000	710.300	1600.000	0.	0.	0.	0.	0.	0.
DT	4.000	117.000	352.000	355.000	690.000	0.	0.	0.	0.	0.
SR	0.	0.	0.025	0.300	0.500	0.	0.	0.	0.	0.
X1	251.000	18.000	1132.000	1144.000	89.000	89.000	89.000	0.	0.	0.
GR	710.000	0.	0.	0.	0.	0.	0.	707.800	707.800	0.
SR	712.500	1000.000	708.800	1050.000	705.500	1100.000	704.500	1132.000	702.400	1133.000
GR	705.300	1135.000	704.600	1135.000	702.400	1137.000	704.600	1139.000	705.300	1140.000
SR	704.500	1140.000	705.100	1200.000	705.100	1250.000	705.500	1300.000	707.500	1350.000
GR	710.300	1400.000	0.	0.	0.	0.	0.	0.	0.	0.
SR	0.000	1.000	2.500	0.	3.000	0.100	10.000	0.	0.	0.
X1	251.000	0.	0.	0.	12.000	12.000	12.000	1.000	0.680	0.
GR	0.	0.	1.000	707.800	710.200	0.	0.	0.	0.	0.
SR	10.000	0.	0.	0.	0.	0.	0.	710.500	710.200	0.
DT	10.000	1000.000	714.400	712.500	1050.000	711.900	708.800	1100.000	711.200	705.600
DT	1132.000	710.500	704.800	1132.000	710.500	702.400	1135.000	710.400	705.300	1136.000
DT	710.400	706.200	1137.000	710.400	707.300	1139.000	710.400	706.200	1140.000	710.400
DT	705.300	1144.000	710.200	706.600	1200.000	709.600	705.100	1250.000	709.600	705.100
DT	1400.000	709.800	706.300	1350.000	711.500	707.500	1400.000	712.000	710.300	0.
DT	4.000	214.000	373.000	395.000	750.000	0.	0.	0.	0.	0.
DT	0.	0.	0.001	0.100	0.300	0.	0.	0.	0.	0.
X1	25.000	12.000	1067.000	1074.000	50.000	50.000	50.000	0.	0.	0.
GR	713.000	1000.000	708.100	1030.000	709.300	1050.000	708.600	1067.000	705.800	1071.000
GR	708.200	1078.000	708.000	1085.000	708.800	1100.000	709.400	1150.000	708.300	1171.000
GR	711.000	1200.000	713.200	1250.000	0.	0.	0.	0.	0.	0.
DT	4.000	157.000	304.000	350.000	625.000	0.	0.	0.	0.	0.
X1	14.000	10.000	1134.000	1147.000	510.000	510.000	510.000	0.	0.	0.
GR	708.000	1000.000	737.500	1050.000	732.400	1100.000	733.100	1134.000	731.800	1141.000
GR	731.500	1140.000	733.000	1147.000	736.400	1200.000	737.100	1250.000	734.300	1300.000
GR	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

I-IFC = 1. THEREFORE FRICTION LOSS (DL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM BEACH TO BEACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 12/13/78 03:11:05

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

T1 FIS RANDOLPH CO. N.C. 11-22-73
T2 50 YR. NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR.2 ASHERONG

J1	ICHECK	IND	NINVT	INDR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	665.400	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSEPH	FN	ALLDC	12W	CHMIN	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

IFILE = 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 12/13/78 03:11:08

REG2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51.52.53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 100 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR.2 ASHEBORO

J1	ICHECK	IPR	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	EQ
	-10.	4.	0.	0.	0.	0.	0.	0.	665.700	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IPW	CHNIM	ITRACE
	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

INLECC = 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 12/13/78 03:11:11

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51,52.53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 500 YR. NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR. 2 ASHERORO

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.	0.	0.	0.	666.400	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

INLEQ = 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 12/13/78 03:11:15

 HRCZ 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

VESTAL - 2 ASR 4080

SUMMARY REPORT

SEC ID	Q	CASEL	CORRS	RG	ELMIN	TKMS	KPC/SL	TORWID	AREA	TEUMA	XLBEL	CRBEL
17.000	214.00	664.70	0.	665.06	661.50	131.09	0.	45.00	57.70	669.10	663.10	663.90
17.000	493.00	665.40	0.	665.06	661.50	164.26	0.	77.71	100.95	669.10	663.10	663.90
17.000	695.00	665.70	0.	666.31	661.50	173.60	0.	30.43	125.17	669.10	663.10	663.90
17.000	760.00	666.00	0.	667.04	661.50	165.30	0.	135.76	205.89	669.10	663.10	663.90
18.000	214.00	675.20	0.	675.50	672.10	130.30	13.13	31.70	52.89	683.20	683.30	673.80
18.000	493.00	676.30	0.	675.70	672.10	114.55	13.13	44.77	97.22	683.20	683.30	673.80
18.000	695.00	676.80	0.	677.20	672.10	113.03	13.13	79.67	124.52	683.20	683.30	673.80
18.000	760.00	677.50	0.	678.11	672.10	118.63	13.13	140.04	210.77	683.20	683.30	673.80
19.000	214.00	691.60	0.	691.86	688.30	195.12	16.70	52.12	50.10	698.80	690.20	691.10
19.000	493.00	692.12	0.	692.70	688.30	202.44	15.70	67.89	90.75	698.80	690.20	691.10
19.000	695.00	692.40	0.	693.07	688.30	201.45	15.70	75.20	113.05	698.80	690.20	691.10
19.000	760.00	693.11	0.	693.84	688.30	194.72	15.70	91.30	169.68	698.80	690.20	691.10
20.000	214.00	705.34	705.33	705.72	702.40	175.48	18.13	152.74	83.14	710.30	704.50	704.60
20.000	393.00	705.97	0.	706.20	702.40	161.50	18.13	186.51	173.31	710.30	704.50	704.60
20.000	695.00	706.00	0.	706.41	702.40	158.52	18.13	199.15	215.85	710.30	704.50	704.60
20.000	760.00	706.58	0.	706.85	702.40	155.41	18.13	225.21	312.37	710.30	704.50	704.60
20.000	137.00	706.80	706.83	707.37	702.40	130.95	0.	12.00	24.40	710.30	704.50	704.60
20.000	362.00	707.32	707.32	708.90	702.40	130.22	0.	12.00	35.89	710.30	704.50	704.60
20.000	695.00	707.80	707.83	707.98	702.40	8.03	0.	290.54	623.05	710.30	704.50	704.60
20.000	699.00	707.81	707.81	707.92	702.40	19.53	0.	290.04	521.17	710.30	704.50	704.60
20.000	197.00	708.70	0.	709.01	703.00	20.01	15.19	12.00	44.30	710.98	705.18	705.28
20.000	362.00	710.25	0.	710.27	702.00	1.37	15.19	255.28	920.46	710.98	705.18	705.28
20.000	695.00	710.47	0.	710.48	702.00	1.85	16.19	248.92	972.85	710.98	705.18	705.28
20.000	699.00	710.81	0.	710.83	703.00	2.08	16.19	365.27	1386.40	710.98	705.18	705.28
25.000	214.00	709.13	0.	709.35	705.80	95.74	46.10	135.25	92.31	713.00	708.60	708.00
25.000	393.00	710.31	0.	710.39	705.80	33.55	46.10	187.02	297.95	713.00	708.60	708.00
25.000	695.00	710.52	0.	710.62	705.80	38.37	46.10	189.79	338.71	713.00	708.60	708.00

	25.000	760.00	710.88	0.	711.04	705.80	55.71	46.10	194.32	406.85	713.00	708.60	709.00
* F	14.000	157.00	733.47	733.47	733.84	731.50	474.87	50.39	76.57	50.73	738.00	733.10	733.00
* F	14.000	304.00	733.89	733.89	734.37	731.50	482.65	50.39	97.75	87.22	738.00	733.10	733.00
* F	14.000	396.00	734.08	734.08	734.61	731.50	482.80	50.39	107.53	107.09	738.00	733.10	733.00
* F	14.000	625.00	734.51	734.51	735.12	731.50	475.36	50.39	124.31	156.84	738.00	733.10	733.00

VESTAL-RR.2 ASHEROPO

SUMMARY PRINTOUT

SICNO	VL04	VR04	QCH	VL04	VR04	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSE	HV
17.000	13.75	4.07	195.17	1.07	.63	5.04	3.10	1055.00	1100.00	0.	0.	.38
17.000	42.52	31.15	312.33	1.61	1.20	6.56	3.40	1049.21	1126.92	0.	.70	.55
17.000	62.64	55.25	376.91	1.90	1.37	7.12	4.10	1048.03	1138.46	0.	.30	.61
17.000	115.55	154.60	488.85	2.33	1.66	7.80	4.80	1045.28	1181.03	0.	.70	.63
15.000	0.	10.34	203.56	0.	.98	4.81	3.10	1004.34	1036.03	800.00	0.	.34
15.000	0.	48.42	344.58	0.	1.34	5.55	4.26	1003.72	1046.49	800.00	1.16	.42
15.000	0.	41.81	413.19	0.	1.51	5.84	4.73	1003.47	1083.14	800.00	.47	.45
15.000	0.	206.21	553.79	0.	1.63	6.60	5.50	1003.05	1143.09	800.00	.77	.50
15.000	1.97	5.70	204.32	1.09	.70	5.33	2.64	1054.11	1106.23	1000.00	0.	.42
15.000	12.93	42.82	337.20	1.49	1.39	6.54	3.32	1050.89	1118.78	1000.00	.68	.58
15.000	20.03	71.29	403.64	1.70	1.62	7.06	3.63	1049.35	1124.55	1000.00	.31	.64
15.000	43.50	159.02	557.43	2.15	2.00	7.96	4.31	1045.85	1137.15	1000.00	.68	.74
25.000	8.45	32.44	173.05	.81	.79	5.44	2.94	1107.42	1200.21	750.00	0.	.38
25.000	32.35	135.31	225.33	1.20	1.25	5.95	3.47	1095.72	1282.24	750.00	.53	.33
25.000	44.34	196.81	249.85	1.37	1.41	6.16	3.69	1092.28	1291.43	750.00	.22	.31
25.000	41.34	363.24	305.35	1.66	1.72	6.64	4.15	1085.17	1310.38	750.00	.45	.30
251.000	0.	0.	197.00	0.	0.	5.07	3.96	1132.00	1144.00	89.00	0.	1.01
* 251.000	0.	0.	362.00	0.	0.	10.04	4.92	1132.00	1144.00	49.00	.96	1.58
* 251.000	67.50	258.48	129.02	.54	.56	3.07	5.43	1065.11	1355.45	89.00	.51	.04
* 251.000	103.50	396.55	198.95	.82	.88	4.76	5.41	1065.43	1355.52	89.00	-.02	.11
* 251.000	0.	0.	197.00	0.	0.	4.65	5.62	1132.00	1144.00	42.00	0.	.31
251.000	0.	273.44	88.51	0.	.32	1.40	7.18	1132.00	1387.28	42.00	1.56	.31
251.000	0.	446.03	108.97	0.	.38	1.66	7.39	1132.00	1490.92	42.00	.21	.01
251.000	125.03	421.20	152.77	.39	.62	2.19	7.73	1031.82	1397.15	42.00	.35	.02
25.000	14.50	17.26	182.24	.65	.56	4.15	3.33	1097.89	1179.96	59.00	0.	.23
25.000	76.55	109.25	207.20	.83	.72	3.19	4.51	1095.55	1192.52	59.00	1.18	.09
25.000	102.11	148.75	244.14	.97	.91	3.55	4.72	1095.06	1196.65	59.00	.21	.10
25.000	167.77	251.19	341.02	1.31	1.23	4.54	5.08	1094.34	1196.66	59.00	.36	.15
* 14.000	55.34	4.05	77.56	1.84	.90	6.01	1.97	1079.53	1166.10	510.00	0.	.37
* 14.000	122.37	22.39	159.23	2.47	1.40	7.34	2.39	1085.42	1183.17	510.00	.42	.43
* 14.000	180.87	37.90	191.23	2.72	1.59	7.90	2.58	1083.52	1191.05	510.00	.19	.53
* 14.000	260.24	97.48	257.27	3.20	2.13	8.99	3.01	1079.36	1203.67	510.00	.42	.61

VESTAL BR. 2 ASHERBORO

SUMMARY PRINTOUT TABLE 100

SECNO	FWC	ELLC	EGPRS	ELTRD	QPR	WEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
251.000	708.19	707.80	709.01	710.20	197.00	0.	10.00	0.	5.62	708.70	4.45	709.01
251.000	709.72	707.80	716.24	710.20	208.04	154.15	30.00	.25	7.18	710.26	1.40	710.27
251.000	710.63	707.80	721.93	710.20	197.05	259.72	30.00	.00	7.39	710.47	1.66	710.48
251.000	714.52	707.80	741.08	710.20	210.59	489.54	30.00	.00	7.73	710.81	2.19	710.83

SUMMARY OF ERRORS

CAUTION SECNO= 251.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 251.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 251.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 251.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 251.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 251.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 251.000 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 14.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 14.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 14.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 14.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

THIS RUN EXECUTED 102/09/79 01:46:36

(Final Floodway)

 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--NATURAL PROFILE
 T3 ~~VESTAL BR R ASHEBORO~~

J1	ICHECK	INQ	NIRV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	0.	2.	0.	0.	0.	0.	0.	0.	665.700	0.
J2	LPROF	IPLOT	PREVS	XSECV	ASECH	FN	ALLDC	IBW	CHNIM	LTPACE
	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.
J5	LPRIC	NURSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	IRLEFC	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
QC	.135	.135	.061	.100	.500	0.	0.	0.	0.	0.
QT	3.000	495.000	495.000	495.000	0.	0.	0.	0.	0.	0.
FT	0.	0.	9.100	0.	0.	0.	0.	0.	1048.000	1138.000
X1	17.000	16.000	1071.000	1045.000	0.	0.	0.	0.	0.	0.
CC	677.200	1000.000	665.200	1050.000	663.100	1071.000	662.000	1072.000	661.500	1084.000
CR	673.900	1045.000	664.700	1100.000	665.000	1150.000	665.200	1130.000	669.100	1195.000
FT	0.	0.	9.100	0.	0.	0.	0.	0.	1003.000	1083.000
X1	18.000	7.000	1000.000	1021.000	800.000	800.000	800.000	0.	0.	0.
CC	673.300	1000.000	672.100	1005.000	672.200	1014.000	673.800	1021.000	675.500	1050.000
CR	677.000	1100.000	677.700	1150.000	678.300	1200.000	683.200	1230.000	0.	0.
FT	0.	0.	9.100	0.	0.	0.	0.	0.	1049.000	1125.000
X1	18.000	7.000	1000.000	1021.000	800.000	800.000	800.000	0.	0.	0.
CC	702.000	1000.000	672.300	1050.000	670.200	1050.000	683.900	1065.000	683.800	1073.000
CR	691.100	1075.000	691.100	1100.000	693.800	1150.000	698.800	1200.000	0.	0.

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ET	0.	0.	9.100	0.	0.	0.	0.	0.	1132.000	1212.000
X1	26.000	12.000	1132.000	1144.000	750.000	750.000	750.000	0.	0.	0.
GR	712.500	1000.000	708.800	1050.000	705.500	1100.000	704.500	1132.000	702.400	1133.000
GR	702.500	1142.000	704.600	1144.000	705.100	1200.000	705.100	1250.000	706.300	1300.000
GR	707.500	1350.000	710.300	1400.000	0.	0.	0.	0.	0.	0.
QT	3.000	455.000	455.000	455.000	0.	0.	0.	0.	0.	0.
MC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1132.000	1212.000

X1	261.000	16.000	1132.000	1144.000	89.000	89.000	89.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	707.800	707.800	0.
GR	712.500	1000.000	708.800	1050.000	705.600	1100.000	704.500	1132.000	702.400	1133.000
GR	705.300	1135.000	704.600	1136.000	707.800	1137.000	704.600	1139.000	705.300	1140.000
GR	704.500	1144.000	705.100	1200.000	705.100	1250.000	706.300	1300.000	707.500	1350.000
GR	710.300	1400.000	0.	0.	0.	0.	0.	0.	0.	0.
SH	.900	1.690	2.500	0.	3.930	.100	19.630	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1132.000	1212.000

X1	251.000	0.	0.	0.	42.000	42.000	42.000	1.000	.680	0.
X2	0.	0.	1.900	707.800	710.200	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	710.500	710.200	0.
BT	16.000	1000.000	714.400	712.500	1050.000	711.900	708.800	1100.000	711.200	705.600
BT	1132.000	715.500	704.500	1133.000	710.500	702.400	1135.000	710.400	705.300	1136.000
BT	710.400	705.200	1137.000	710.400	707.800	1139.000	710.400	705.200	1140.000	710.400
BT	705.300	1144.000	710.200	704.600	1200.000	709.600	705.100	1250.000	709.600	705.100
BT	1360.000	709.900	705.300	1350.000	711.500	707.500	1400.000	712.000	710.300	0.
GT	3.000	455.000	455.000	455.000	0.	0.	0.	0.	0.	0.
MC	0.	0.	.061	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1005.000	1085.000

X1	25.000	12.000	1067.000	1085.000	59.000	59.000	59.000	0.	0.	0.
GR	713.000	1000.000	708.100	1010.000	709.300	1050.000	708.600	1067.000	705.800	1071.000
GR	706.200	1078.000	708.000	1085.000	708.800	1100.000	709.400	1150.000	708.300	1171.000
GR	711.000	1200.000	713.200	1250.000	0.	0.	0.	0.	0.	0.
BT	3.000	340.000	340.000	340.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1100.000	1191.000

X1	14.300	10.000	1134.000	1147.000	510.000	510.000	510.000	0.	0.	0.
GR	738.000	1000.000	737.500	1050.000	732.400	1100.000	733.100	1134.000	731.800	1141.000
GR	731.500	1144.000	733.000	1147.000	734.300	1250.000	737.100	1250.000	739.300	1300.000
ET	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

PRINTED IN USA

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

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

11 FIS RANDOLPH CO. N.C. 12-5-78
12 FLOODWAY--METHOD 1
13 VESTAL-BR.2 ASHERORO.

J1	ICHECK	INC	NIIV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	665.700	0.
J2	NPROF	TPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	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.

3700. BRIDGE STENCL= 1132.00 STENCR= 1212.00

THIS RUN EXECUTED 02/09/79 01:46:48

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

VESTAL-BR.2 ASHFORD

SUMMARY PRINTOUT TABLE 100

SECTNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VGH	EG
251.000	710.63	707.80	721.93	710.20	197.05	259.72	30.00	.00	7.39	710.47	1.66	710.48
251.000	710.65	707.80	721.91	710.20	217.07	240.44	30.00	.01	7.88	710.96	2.75	711.02

VESTAL-RR-2 ASHEBORO

SUMMARY PRINTOUT TABLE 105

SECNO	CWSEL	HL	OLUSS	TOPWID	QLOF	QCH	DRDH
26.000	706.04	13.31	.03	199.15	48.34	249.85	196.81
26.000	706.50	13.78	.03	80.00	0.	284.14	210.82
* 261.000	707.83	.07	.14	290.84	67.50	129.02	258.48
* 261.000	707.81	.27	.23	80.00	0.	218.02	236.98
251.000	710.47	2.60	0.	258.92	0.	108.97	346.03
251.000	710.96	2.99	0.	80.00	0.	196.73	258.27
25.000	710.52	.12	.03	189.79	102.11	244.14	148.75
25.000	711.05	.16	.03	80.00	182.02	312.98	0.

VESTAL-HP.2 ASSEMBLY

SUMMARY PRINTOUT TABLE 110

SECNO	CASEL	DIFKWS	FG	TOPWID	GLDF	QCR	QRDR	PERFNC	STENCE	STCPL	STCHR	STNCR
17.000	665.70	0.	665.31	90.43	62.84	375.41	55.25	0.	0.	1071.00	1085.00	0.
17.000	665.70	0.	665.31	89.97	62.83	376.41	55.37	40.00	1043.00	1071.00	1085.00	1138.00
16.000	675.83	0.	677.29	79.67	0.	413.19	81.21	0.	0.	1000.00	1021.00	0.
16.000	675.83	-0.00	677.28	79.53	0.	413.21	81.79	80.00	1003.00	1000.00	1021.00	1083.00
15.000	692.43	0.	693.07	75.29	20.03	403.64	71.29	0.	0.	1060.00	1079.00	0.
15.000	692.43	0.00	693.07	75.20	20.03	403.58	71.29	76.00	1049.00	1060.00	1079.00	1125.00
26.000	706.04	0.	706.41	199.15	44.34	249.85	196.81	0.	0.	1132.00	1144.00	0.
26.000	706.50	.41	706.88	90.00	0.	284.18	210.82	80.00	1132.00	1132.00	1144.00	1212.00
* 251.000	707.83	0.	707.88	200.24	67.59	129.92	258.48	0.	0.	1132.00	1144.00	0.
* 251.000	707.81	-0.02	708.02	90.00	0.	218.02	236.98	80.00	1132.00	1132.00	1144.00	1212.00
251.000	710.47	0.	710.48	258.92	0.	108.97	346.03	0.	0.	1132.00	1144.00	0.
251.000	710.95	.50	711.02	90.00	0.	196.73	258.27	80.00	1132.00	1132.00	1144.00	1212.00
25.000	710.52	0.	710.62	199.74	102.11	244.14	148.75	0.	0.	1067.00	1085.00	0.
25.000	711.05	.52	711.21	90.00	182.02	312.58	0.	80.00	1005.00	1067.00	1085.00	1085.00
* 14.000	734.08	0.	734.61	107.53	160.87	191.23	37.90	0.	0.	1134.00	1147.00	0.
* 14.000	734.18	.10	734.74	91.00	138.84	202.21	48.85	91.00	1100.00	1134.00	1147.00	1191.00

SUMMARY OF ERRORS

CAUTION SECNO= 251.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 251.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 251.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 251.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 14.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 14.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 14.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

THIS RUN EXECUTED 12/01/78 03:39:58

(Final Profiles)

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

T1 FIS RANDOLPH CO. N.C. 11-22-78
 T2 10 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 VESTAL-RR. 3 ASHBORO

J1	ICHECK	IPW	MINV	IDIR	STRT	METRIC	HVINS	Q	WSFL	FU
	-1.	2.	0.	0.	0.	0.	0.	0.	649.760	0.
J2	IPRGE	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNJH	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	47.000	5.000	33.000	4.000	25.000
	63.000	23.000	24.000	0.	38.000	13.000	15.000	14.000	55.000	56.000
	26.000	8.000	53.000	54.000	39.000	50.000	10.000	201.000	0.	0.
J5	LRPT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	ICOPY	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
J7	ICOPY	ICOPY								
	4.000	642.000	1179.000	1485.000	2240.000	0.	0.	0.	0.	0.
J8	ICOPY	ICOPY								
	14.000	10.000	1057.000	1084.000	0.	0.	0.	0.	0.	0.
J9	ICOPY	ICOPY								
	659.100	1669.000	648.900	1035.000	647.500	1050.000	646.200	1057.000	645.000	1060.000
J10	ICOPY	ICOPY								
	645.300	1675.000	644.900	1084.000	653.300	1087.000	654.400	1100.000	640.200	1128.000
J11	ICOPY	ICOPY								
	4.000	428.000	786.000	990.000	1520.000	0.	0.	0.	0.	0.
J12	ICOPY	ICOPY								
	14.000	11.000	1206.000	1229.000	1400.000	1400.000	1400.000	0.	0.	0.
J13	ICOPY	ICOPY								
	665.400	1090.000	660.000	1017.000	659.700	1050.000	661.100	1100.000	659.300	1150.000
J14	ICOPY	ICOPY								
	649.200	1200.000	660.100	1206.000	657.500	1213.000	657.500	1220.000	663.900	1229.000
J15	ICOPY	ICOPY								
	668.580	1250.000	0.	0.	0.	0.	0.	0.	0.	0.

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EJ. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

INLET = 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 12/01/78 03:40:00

HEC2 RELEASE DATED NOV 75 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51,52,53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR.3 ASHERORO

J1	ICHECK	IQ	NINV	IUR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	651.070	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

INLE0 = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

IPIS RUN EXECUTED 12/01/78 03:40:01

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50.51,52,53

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 100 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR.3 ASHERORO

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS		WSEL	FO
	-10.	4.	0.	0.	0.	0.	0.	0.	651.730	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	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 12/01/78 03:40:01

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

T1 FIS RANDOLPH CO. N.C. 11-22-78
T2 500 YR NATURAL AND FLOOD ZONE TABLE 201
T3 VESTAL-RR.3 ASHERORO

J1	ICHECK	IDW	NINW	IDIP	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	5.	0.	0.	0.	0.	0.	0.	653.300	0.
J2	NPROF	IPLT	PPFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITPACE
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

THLE0 = 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 12/01/78 03:40:02

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

PROFILES

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

VE STAL - RR. 3 ASHBORO

SUMMARY PRINTOUT

SECTNO	Q	CWSEL	CRIMS	EG	ELMIN	10K*5	K*CHSL	TOPWID	AREA	TELMX	XLBEL	PBEL
19.000	642.00	649.78	0.	650.20	645.00	84.25	0.	51.71	147.22	659.10	646.20	645.90
19.000	1179.00	651.07	0.	651.76	645.00	99.37	0.	57.14	217.43	659.10	646.20	648.90
19.000	1485.00	651.73	0.	652.55	645.00	102.06	0.	59.92	256.05	659.10	646.20	648.90
19.000	2280.00	653.30	0.	654.36	645.00	100.12	0.	66.53	355.31	659.10	646.20	648.90
18.000	428.00	661.20	0.	661.32	657.50	74.72	8.93	211.96	266.99	665.40	660.10	663.90
18.000	785.00	662.07	0.	662.17	657.50	54.66	4.93	215.92	453.05	665.40	660.10	663.90
18.000	990.00	662.98	0.	662.58	657.50	54.64	8.93	217.81	542.75	665.40	660.10	663.90
18.000	1520.00	663.43	0.	663.54	657.50	48.02	8.93	222.14	751.93	665.40	660.10	663.90

VESTAL-RR.3 ASHERORO

SUMMARY PRINTOUT

SECNO	QLOP	QROB	QCH	VLOB	VROB	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
19.000	64.15	.10	577.75	1.57	.40	5.44	4.78	1032.89	1084.60	0.	0.	.42
19.000	164.17	1.26	1009.57	2.25	.79	7.16	6.97	1028.34	1085.48	0.	1.29	.69
19.000	237.83	2.59	1244.58	2.51	.95	7.84	6.73	1026.01	1085.93	0.	.66	.82
19.000	442.91	8.33	1828.77	3.00	1.26	9.09	8.30	1020.47	1087.00	0.	1.57	1.06
18.000	225.03	0.	202.97	1.05	0.	3.89	3.70	1013.24	1225.20	1400.00	0.	.12
18.000	509.97	0.	270.08	1.33	0.	3.97	4.57	1010.50	1226.42	1400.00	.87	.10
18.000	673.24	0.	316.76	1.45	0.	4.06	4.98	1009.20	1227.00	1400.00	.41	.10
18.000	1100.84	0.	419.16	1.69	0.	4.25	5.93	1006.20	1228.34	1400.00	.95	.11

SUMMARY OF ERRORS

THIS RUN EXECUTED 02/06/79 11:02:07

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 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 VESTAL-BR.3 ASHEROPO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	651.730	0.
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	100.000	105.000	110.000	200.000	0.	0.	0.	0.	0.	0.
J5	LPNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J6	IHLQ	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
NC	.136	.136	.061	.100	.300	0.	0.	0.	0.	0.
QT	3.000	1485.000	1485.000	1485.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	0.	9.100	0.	0.	0.	0.	1026.000	1086.000
X1	19.000	10.000	1057.000	1084.000	0.	0.	0.	0.	0.	0.
GR	659.100	1000.000	648.900	1036.000	647.400	1050.000	646.200	1057.000	645.000	1060.000
GR	645.300	1075.000	648.900	1084.000	653.300	1087.000	654.400	1100.000	660.200	1128.000
QT	3.000	1229.000	1229.000	1229.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	10.400	9.100	0.	0.	0.	0.	1144.000	1229.000
X1	18.000	11.000	1206.000	1229.000	1400.000	1400.000	1400.000	0.	0.	0.
GR	665.400	1000.000	660.000	1017.000	659.700	1050.000	661.100	1100.000	659.300	1150.000
GR	660.200	1200.000	660.100	1206.000	657.500	1213.000	657.500	1220.000	663.900	1229.000
GR	668.580	1250.000	0.	0.	0.	0.	0.	0.	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

DETAILS.

FLOW DISTRIBUTION FOR SFCNO= 19.00 CWSFL= 651.73

STA=	1026.	1036.	1050.	1057.	1084.	1086.
PER Q=	1.3	7.9	6.8	83.8	.2	
AREA=	14.1	47.3	33.1	158.8	2.7	
VEL=	1.4	2.5	3.1	7.8	.9	

FLOW DISTRIBUTION FOR SFCNO= 18.00 CWSFL= 662.81

STA=	1008.	1017.	1050.	1100.	1150.	1200.	1206.	1229.
PER Q=	1.0	13.6	14.7	16.7	21.8	2.1	30.1	
AREA=	12.5	97.8	120.7	130.7	153.2	16.0	85.1	
VEL=	1.0	1.7	1.5	1.6	1.7	1.6	4.3	

THIS RUN EXECUTED 02/06/79 11:02:30

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 4
T3 VESTAL-RR.3 ASHEBORO

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	3.	0.	0.	0.	0.	0.	0.	651.730	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

IHLEO = 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 02/06/79 11:02:30

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

T1 FTS RANDOLPH CO. N.C. 12-5-78
T2 FLOODWAY--METHOD 5
T3 VESTAL-BR.3 ASHERORO

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEI	F0
	-10.	4.	0.	0.	0.	0.	0.	0.	652.730	0.
J2	NPRUF	TPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

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

VESTAL-BR.3 ASHEBORD

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOA	QCH	QROH	PERENC	STENCL	STCHL	STCHR	STENCH
19.000	651.73	0.	652.55	59.92	237.93	1244.58	2.59	0.	0.	1057.00	1084.00	0.
19.000	651.73	0.	652.55	59.92	237.93	1244.58	2.59	0.	0.	1057.00	1084.00	0.
19.000	652.73	1.00	653.28	60.00	272.23	1208.71	4.06	60.00	1026.00	1057.00	1084.00	1085.00
18.000	662.81	0.	662.93	219.33	859.02	369.98	0.	0.	0.	1206.00	1229.00	0.
18.000	663.62	.81	663.84	110.22	705.37	523.63	0.	.37	1118.39	1206.00	1229.00	1229.00
18.000	663.61	.80	663.95	84.58	604.61	624.39	0.	85.00	1144.00	1206.00	1229.00	1229.00

SUMMARY OF ERRORS

FLOODWAY DATA. VESTAL-BR.3 ASHERORO
PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
19.000	60.	256.	5.8	651.7	651.7	0.
18.000	110.	436.	2.8	663.6	662.8	.8

X

WESTINGHOUSE

FLOODWAY DATA, VESTAL-BR.3 ASHEBORD
PROFILE NO. 3

FLOODWAY AREA

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
19.000 A	60.	316.	4.7	652.7	651.7	1.0
18.000 B	85.	341.	3.6	663.6	662.8	.8

FLOODWAY DATA VESTAL-MAIN ASHEBORO
 PROFILE NO. 2

FLOODWAY AREA

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A 13.000	76.	343.	4.3	652.5	651.7	.8
B 131.000	126.	566.	2.6	653.2	652.3	.9
132.000	130.	685.	2.1	653.3	653.0	.3
C 121.000	110.	419.	3.5	654.2	653.8	.4
D 12.000	110.	456.	3.2	664.8	664.4	.4
E 122.000	110.	425.	3.4	667.0	666.6	.4
211.000	38.	135.	10.9	668.4	668.4	0.
F 212.000	38.	137.	10.7	668.7	668.7	0.
21.000	207.	419.	3.5	670.6	670.6	0.
G 11.000	42.	246.	5.5	681.4	681.4	0.
H 10.000	90.	254.	3.3	687.6	687.4	.2
I 9.000	68.	306.	3.1	696.4	695.5	.9
J 8.000	92.	322.	3.0	705.4	704.4	1.0
K 7.000	78.	237.	3.5	719.7	719.5	.2
L 32.000	73.	264.	3.2	724.6	724.5	.1

FLOOD INSURANCE ZONE DATA FOR VESTAL-MAIN ASHEBORO

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2%	0.2%
13.000 A	0.	-1.95	-.66	1.57
131.000 B	141.	-1.65	-.55	1.35
132.000	159.	-.84	-.26	.90
121.000 C	300.	-1.17	-.36	1.09
12.000 D	1700.	-1.77	-.55	1.13
122.000 E	2000.	-1.46	-.47	1.11
211.000	2064.	-1.57	-.52	1.28
212.000 F	2137.	-1.60	-.60	4.85
213.000	2200.	-2.28	-.91	3.81
11.000 G	2900.	-1.50	-.26	1.05
10.000 H	3225.	-1.34	-.50	.96
9.000 I	4425.	-1.36	-.41	.95
8.000 J	5900.	-1.02	-.33	.76
7.000 K	7800.	-1.49	-.44	.96
32.000 L	8500.	-1.75	-.50	1.02

ZONE DATA

WEIGHTED AVG FOR REACH -1.41 -.44 1.12

FHF FOR THE REACH = .015 WITH 99.3% OF THE REACH WITHIN .5 FEET
 ZONE FOR THE REACH = A 3

PRINTED IN USA

FLOOD INSURANCE ZONE DATA FOR VESTAL HILL ASHERDOR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		1% ²	2% ²	0.2% ²
6.000A	0.	-.90	-.30	.50
5.000B	350.	-1.26	-.39	.86
24.000C	1725.	-.97	-.29	.58
24.000	1751.	-.52	-.33	.61
231.000D	1820.	-.92	-.26	.57
23.000E	1885.	-.94	-.27	.50
6.000F	2310.	-1.19	-.36	.75
3.000G	3086.	-.93	-.30	.63
331.000	3510.	-1.06	-.33	.73
341.000H	3577.	-.29	.03	.51
344.000	3642.	-.96	-.27	.59
33.000I	3645.	-.95	-.27	.50
3.000	3885.	-.97	-.28	.62
20.000J	4185.	-1.35	-.44	.25
24.000K	5485.	-.90	-.27	.62
1.000L	5185.	-1.41	-.45	.47
WEIGHTED AVG FOR REACH		-1.08	-.33	.71

ZONE DATA

THE FLOOD REACH = 910. WITH 100.0% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = 3.2

FLOODWAY DATA, VESTAL-RR. 1 ASHEBORO
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.000A	71.	236.	3.4	688.2	688.2	.0
5.000B	93.	335.	2.4	690.8	689.9	.9
24.000C	100.	200.	3.3	705.3	705.2	.1
241.000D	100.	198.	3.3	705.5	705.5	0.
231.000E	100.	661.	1.0	711.0	711.0	0.
23.000E	100.	436.	1.5	711.2	711.0	.2
4.000F	100.	186.	3.5	714.2	714.0	.2
3.000G	100.	158.	4.1	731.9	731.9	0.
331.000G	100.	228.	2.9	740.6	740.6	0.
341.000H	40.	189.	3.5	745.5	745.5	0.
344.000	150.	1676.	.4	758.2	758.1	.1
33.000I	150.	1475.	.3	758.2	758.1	.1
2.000	50.	337.	1.7	758.3	758.2	.1
24.000J	54.	110.	5.2	769.0	769.0	0.
24.000K	79.	111.	3.1	806.0	806.0	0.
1.000L	27.	69.	3.3	815.1	815.1	0.

FLOODWAY AREA

FLOOD INSURANCE ZONE DATA FOR VESTAL-BR.2 ASHERORO

ZONE DATA

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2%	0.2%
12.000 A	0.	-1.00	-.30	.70
16.000 B	800.	-1.63	-.47	.77
15.000 C	1800.	-.99	-.31	.68
26.000 D	2450.	-.75	-.22	.45
24.000	2670.	-1.47	-.51	.02
25.000	2681.	-1.77	-.21	.35
25.000 E	2740.	-1.39	-.21	.36
14.000 F	3250.	-.61	-.19	.42
WEIGHTED AVG FOR REACH		-1.17	-.33	.61

FME FOR THE REACH = 0.10 WITH 100.0% OF THE REACH WITHIN .5 FEET
 ZONE FOR THE REACH = A 2

FLOOD INSURANCE ZONE DATA FOR VESTAL-BR. 3 ASHEBORO

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

ZONE DATA

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND			
		10%	2%	0.2%	
19.000 A	0.	-1.95	-.66	1.57	
18.000 B	1400.	-1.28	-.41	.95	
WEIGHTED AVG FOR REACH		-1.62	-.54	1.26	

FHF FOR THE REACH = .015 WITH 100.0% OF THE REACH WITHIN .5 FEET
 ZONE FOR THE REACH = A 3