Muddy Creek - West Tributary

1.1:33:34

PROFILES

Zone 2

0.
0.
0.
1200.000
1295.000
1401.000
0.

0.
1211.000
1400.000

THIS RUN EXECUTED 03/13/79 11:33:34

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HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01,02
MODIFICATION - 50,51,52,53
****

Final PROFILES
(Single Zone)

T1 FIS RANDOLPH CO. N.C. 11-7-78
T2 10 YR NATURAL AND FLOOD ZONE TABLE 201
T3 MUDDY-W. BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.	0.	0.	0.	783.000	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.000	43.000	1.000	2.000	3.000	42.000	5.000	33.000	4.000	25.000
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 LPRNT NUMSEC ********REQUESTED SECTION NUMBERS********

-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.

J6 ITHLEQ ICOPY

1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
NC .126	.126	.053	.100	.300	0.	0.	0.	0.	0.
QT 4.000	327.000	614.000	783.000	1240.000	0.	0.	0.	0.	0.
X1 17.000	16.000	1279.000	1295.000	0.	0.	0.	0.	0.	0.
GR 802.200	1000.000	801.800	1009.000	795.000	1100.000	792.600	1122.000	786.000	1200.000
GR 783.400	1279.000	778.800	1284.000	777.800	1286.000	778.500	1290.000	783.800	1295.000
GR 778.900	1306.000	781.700	1311.000	782.700	1379.000	785.300	1389.000	785.500	1401.000
GR 785.400	1414.000	0.	0.	0.	0.	0.	0.	0.	0.
X1 16.000	17.000	1437.000	1454.000	1400.000	1400.000	1400.000	0.	0.	0.
GR 802.900	1000.000	796.500	1100.000	792.900	1164.000	794.700	1200.000	794.100	1211.000
GR 791.600	1300.000	788.300	1344.000	791.600	1359.000	789.100	1373.000	789.800	1400.000

GR	790.500	1437.000	785.600	1440.000	786.500	1445.000	787.000	1451.000	789.600	1454.000
GR	797.100	1500.000	804.100	1530.000	0.	0.	0.	0.	0.	0.
QT	4.000	295.000	555.000	708.000	1123.000	0.	0.	0.	0.	0.
X1	15.000	10.000	1300.000	1312.000	1250.000	1250.000	1250.000	0.	0.	0.
GR	813.200	1000.000	806.600	1100.000	802.100	1200.000	801.300	1300.000	796.900	1302.000
GR	797.000	1305.000	797.500	1309.000	801.100	1312.000	801.700	1400.000	814.300	1500.000
QT	4.000	227.000	431.000	552.000	879.000	0.	0.	0.	0.	0.
X1	73.000	15.000	1326.000	1352.000	2000.000	2000.000	2000.000	0.	0.	0.
GR	832.000	1000.000	825.400	1100.000	821.100	1200.000	818.200	1300.000	817.600	1326.000
GR	814.400	1339.000	814.700	1343.000	814.500	1347.000	817.000	1352.000	815.300	1400.000
GR	817.000	1500.000	820.100	1600.000	821.000	1700.000	824.000	1800.000	830.300	1900.000
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
X1	731.000	15.000	1234.000	1241.000	150.000	150.000	150.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	818.590	818.590	0.
GR	831.500	1000.000	826.500	1100.000	822.600	1200.000	818.590	1234.000	814.240	1234.000
GR	814.240	1238.000	814.240	1241.000	818.590	1241.000	820.600	1278.000	820.400	1300.000
GR	820.500	1400.000	822.500	1500.000	825.000	1600.000	827.700	1700.000	829.400	1760.000
SB	.900	1.740	2.600	0.	7.000	.100	30.450	0.	0.	0.
X1	131.000	0.	0.	0.	50.000	50.000	50.000	0.	0.	0.
X2	0.	0.	1.000	818.590	821.230	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	821.230	821.230	0.
BT	4.000	1000.000	831.500	831.500	1234.000	821.230	818.590	1241.000	821.230	818.590
BT	1760.000	829.400	829.400	0.	0.	0.	0.	0.	0.	0.
NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.
X1	13.000	15.000	1254.000	1272.000	75.000	75.000	75.000	0.	0.	0.
GR	831.500	1000.000	823.000	1100.000	818.300	1200.000	816.900	1254.000	815.200	1259.000
GR	814.700	1263.000	814.400	1267.000	817.600	1272.000	818.500	1300.000	819.500	1321.000
GR	819.900	1334.000	819.800	1345.000	820.900	1400.000	825.500	1500.000	829.900	1600.000
X1	74.000	14.000	1216.000	1238.000	1275.000	1275.000	1275.000	0.	0.	0.
GR	835.800	1000.000	835.500	1010.000	832.600	1100.000	828.400	1200.000	829.100	1207.000
GR	829.000	1216.000	824.800	1222.000	824.600	1226.000	824.800	1228.000	831.300	1238.000
GR	831.800	1300.000	834.900	1400.000	835.000	1404.000	843.600	1464.000	0.	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
X1	741.000	11.000	1217.000	1225.000	93.000	93.000	93.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	830.970	830.970	0.
GR	836.700	1000.000	833.200	1100.000	832.700	1200.000	830.970	1217.000	824.970	1217.000
GR	824.970	1221.000	824.970	1225.000	830.970	1225.000	833.200	1300.000	837.100	1400.000
GR	843.500	1464.000	0.	0.	0.	0.	0.	0.	0.	0.
SB	.900	1.870	2.600	0.	5.330	.100	32.000	0.	0.	0.

X1	111.000	0.	0.	0.	63.000	63.000	63.000	0.	0.	0.	
X2	0.	0.	1.000	830.970	832.630	0.	1.000	0.	0.	0.	
X3	10.000	0.	0.	0.	0.	0.	0.	832.630	832.630	0.	
BT	5.000	1000.000	836.700	836.700	1217.000	832.630	824.970	1221.000	832.630	830.970	
BT	1225.000	832.630	824.970	1464.000	843.500	843.500	0.	0.	0.	0.	
NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.	

X1	11.000	15.000	1215.000	1234.000	43.000	43.000	43.000	0.	0.	0.	
GR	835.900	1000.000	834.600	1032.000	832.100	1100.000	831.200	1180.000	830.500	1200.000	
GR	829.600	1215.000	826.800	1221.000	824.800	1226.000	826.000	1228.000	831.700	1234.000	
GR	832.100	1244.000	832.300	1300.000	834.700	1345.000	837.400	1400.000	844.900	1464.000	
QT	4.000	109.000	214.000	277.000	450.000	0.	0.	0.	0.	0.	

X1	10.000	10.000	1175.000	1189.000	475.000	475.000	475.000	0.	0.	0.	
GR	843.700	1000.000	834.500	1100.000	835.100	1175.000	829.800	1178.000	829.500	1181.000	
GR	829.800	1184.000	834.800	1189.000	835.300	1198.000	835.300	1200.000	845.000	1275.000	
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

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

THIS RUN EXECUTED 03/13/79 11:33:48

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 FTS RANDOLPH CO. N.C. 11-8-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 MUDDY-W.FBR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.	0.	0.	0.	783.800	0.

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

THIS RUN EXECUTED 03/13/79 11:33:53

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  HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
  ERROR CORR -  01,02
  MODIFICATION -  50,51,52,53
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T1      FIS RANDOLPH CO. N.C.  11-8-78
T2      100 YR NATURAL AND FLOOD ZONE TABLE 201
T3      MUDDY-W. BR. - ARCHDALE

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC    HVINS     Q         WSEL      FQ
          -10.      4.       0.       0.  0.       0.        0.        0.  784.200      0.

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN        ALLDC     IBW       CHNIM     ITRACE
        3.000     0.       0.       0.       0.       0.        0.        0.        0.        0.

 IHLEQ = 1.  THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF
 PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH.  SEE DOCUMENTATION FOR
 DETAILS.
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THIS RUN EXECUTED 03/13/79. 11:33:58

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  HEC2 RELEASE DATED NOV 76 UPDATED  AUG1977
  ERROR CORR - 01,02
  MODIFICATION - 50,51,52,53
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T1     FIS RANDOLPH CO. N.C. 11-8-78
T2     500 YR NATURAL AND FLOOD ZONE TABLE 201
T3     MUDDY-W. BR. ARCHDALE

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC    HVINS     Q        WSEL     FQ
      -10.      5.       0.       0.  0.          0.        0.        0.  786.000     0.
J2  NRROF     IPLOT    PRFVS    XSECV    XSECH    FN        ALLDC     IBW      CHNIM    ITRACE
     15.000     0.       0.       0.       0.       0.        0.        0.       0.       0.

IHLEQ = 1.  THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF
PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH.  SEE DOCUMENTATION FOR
DETAILS.
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THIS RUN EXECUTED 03/13/79 11:34:01

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HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01,02
MODIFICATION - 50,51,52,53

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PROFILES

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

MUDDY-W. BR. ARCHDALE

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	EG	ELMIN	10K*S	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RBEL
	17.000	327.00	783.00	0.	783.24	777.80	78.43	0.	98.17	134.88	785.40	783.40	783.80
	17.000	614.00	783.80	0.	784.10	777.80	96.48	0.	116.38	218.36	785.40	783.40	783.80
A	17.000	783.00	784.20	0.	784.52	777.80	95.85	0.	130.08	267.65	785.40	783.40	783.80
	17.000	1240.00	786.00	0.	786.18	777.80	40.80	0.	214.00	570.65	785.40	783.40	783.80
	16.000	327.00	790.71	0.	790.87	785.60	41.71	5.57	140.01	180.41	802.90	790.50	789.60
	16.000	614.00	791.72	0.	791.88	785.60	38.94	5.57	171.20	336.18	802.90	790.50	789.60
B	16.000	783.00	792.13	0.	792.30	785.60	39.02	5.57	188.46	410.52	802.90	790.50	789.60
	16.000	1240.00	792.68	0.	792.93	785.60	55.33	5.57	211.19	519.39	802.90	790.50	789.60
	15.000	295.00	801.65	800.55	802.24	796.90	138.18	9.04	138.88	74.94	813.20	801.30	801.10
*	15.000	555.00	802.39	802.39	802.89	796.90	129.91	9.04	211.91	211.60	813.20	801.30	801.10
C	15.000	708.00	802.65	0.	803.14	796.90	132.83	9.04	219.70	267.37	813.20	801.30	801.10
	15.000	1123.00	803.33	0.	803.73	796.90	116.74	9.04	240.08	422.65	813.20	801.30	801.10
	73.000	227.00	817.06	0.	817.13	814.30	50.71	8.70	173.66	176.85	830.30	817.60	817.00
	73.000	431.00	817.63	0.	817.71	814.30	51.67	8.70	195.67	282.23	830.30	817.60	817.00
D	73.000	552.00	817.90	0.	817.99	814.30	51.38	8.70	216.11	337.88	830.30	817.60	817.00
	73.000	879.00	818.46	0.	818.58	814.30	54.29	8.70	255.90	469.56	830.30	817.60	817.00
	731.000	227.00	817.69	0.	819.06	814.24	120.01	-.40	7.00	24.13	829.40	818.59	818.59
*	731.000	431.00	819.73	819.73	821.50	814.24	100.82	-.40	37.69	55.95	829.40	818.59	818.59
* E	731.000	552.00	821.25	821.25	821.97	814.24	40.10	-.40	225.91	250.30	829.40	818.59	818.59
*	731.000	879.00	821.89	821.89	822.65	814.24	47.25	-.40	263.61	408.10	829.40	818.59	818.59
*	131.000	227.00	818.08	0.	819.19	814.24	90.05	0.	7.00	26.89	829.40	818.59	818.59
	131.000	431.00	822.25	0.	822.37	814.24	7.59	0.	284.61	506.52	829.40	818.59	818.59
	131.000	552.00	822.78	0.	822.88	814.24	7.02	0.	316.14	666.62	829.40	818.59	818.59
*	131.000	879.00	823.33	0.	823.46	814.24	10.35	0.	351.65	847.26	829.40	818.59	818.59
	13.000	227.00	819.38	0.	819.43	814.40	10.42	2.13	141.27	223.85	829.90	816.90	817.60
	13.000	431.00	822.39	0.	822.40	814.40	1.64	2.13	319.27	952.25	829.90	816.90	817.60
F	13.000	552.00	822.90	0.	822.91	814.40	1.81	2.13	341.42	1122.36	829.90	816.90	817.60

F	13.000	879.00	823.49	0.	823.51	814.40	2.98	2.13	361.95	1328.29	829.90	816.90	817.60
	74.000	227.00	828.39	0.	828.86	824.60	135.51	8.00	16.65	41.27	835.80	829.00	831.30
	74.000	431.00	829.66	0.	830.22	824.60	118.50	8.00	65.52	95.36	835.80	829.00	831.30
	74.000	552.00	830.11	0.	830.71	824.60	117.73	8.00	77.00	127.62	835.80	829.00	831.30
	74.000	879.00	831.00	0.	831.68	824.60	122.13	8.00	99.38	205.50	835.80	829.00	831.30

	SECNO	Q	CWSEL	CRIWS	EG	FLMIN	10K*S	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RBEL
	741.000	227.00	828.98	0.	829.76	824.97	56.26	3.98	8.00	32.06	836.70	830.97	830.97
H	741.000	431.00	830.13	0.	831.82	824.97	104.57	3.98	8.00	41.26	836.70	830.97	830.97
	741.000	552.00	830.40	0.	832.91	824.97	149.88	3.98	8.00	43.48	836.70	830.97	830.97
*	741.000	879.00	833.83	833.83	834.71	824.97	41.24	3.98	234.27	334.93	836.70	830.97	830.97
*	111.000	227.00	829.45	0.	830.07	824.97	41.89	0.	8.00	35.83	836.70	830.97	830.97
	111.000	431.00	833.18	0.	833.60	824.97	18.30	0.	194.34	192.89	836.70	830.97	830.97
	111.000	552.00	833.57	0.	834.03	824.97	20.85	0.	220.20	275.94	836.70	830.97	830.97
*	111.000	879.00	834.65	0.	835.01	824.97	19.06	0.	278.69	545.10	836.70	830.97	830.97
	11.000	227.00	830.04	0.	830.36	824.80	77.23	-3.95	24.61	51.75	835.90	829.60	831.70
I	11.000	431.00	833.63	0.	833.67	824.80	6.05	-3.95	266.77	531.64	835.90	829.60	831.70
	11.000	552.00	834.07	0.	834.11	824.80	6.40	-3.95	286.90	652.93	835.90	829.60	831.70
	11.000	879.00	835.05	0.	835.09	824.80	6.75	-3.95	331.02	953.65	835.90	829.60	831.70
J	10.000	109.00	833.30	0.	833.48	829.50	56.87	9.89	11.48	31.46	843.70	835.10	834.80
	10.000	214.00	834.92	0.	835.16	829.50	54.09	9.89	72.34	163.88	843.70	835.10	834.80
	10.000	277.00	835.35	0.	835.61	829.50	53.78	9.89	109.60	105.96	843.70	835.10	834.80
	10.000	450.00	836.20	0.	836.44	829.50	47.59	9.89	125.32	205.27	843.70	835.10	834.80

MUDDY-W. BR. ARCHDALE

SUMMARY PRINTOUT

	SECNO	QLOB	QROB	QCH	VLOB	VROB	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
	17.000	0.	103.92	223.08	0.	1.20	4.65	5.20	1279.43	1380.15	0.	0.	.24
	17.000	.96	270.26	342.77	.40	1.74	5.68	6.00	1266.85	1383.23	0.	.80	.30
	17.000	6.09	372.75	404.16	.63	1.95	6.05	6.40	1254.69	1384.77	0.	.40	.32
	17.000	92.13	668.43	479.44	.90	1.79	5.02	8.20	1200.00	1414.00	0.	1.80	.18
	16.000	90.62	1.94	234.43	.79	.51	3.76	5.11	1311.82	1460.83	1400.00	0.	.16
	16.000	264.34	10.43	339.23	1.09	.76	4.27	6.12	1295.79	1466.99	1400.00	1.01	.16
	16.000	375.08	16.80	391.13	1.23	.85	4.52	6.53	1281.07	1469.53	1400.00	.41	.17
	16.000	654.51	33.64	551.85	1.66	1.16	5.77	7.08	1261.68	1472.87	1400.00	.55	.25
	15.000	3.56	13.59	277.86	.44	.59	6.32	4.50	1255.11	1394.00	1250.00	0.	.58
*	15.000	72.71	117.50	364.80	1.04	1.32	6.92	5.49	1193.56	1405.47	1250.00	.74	.50
	15.000	126.28	175.99	405.74	1.29	1.55	7.27	5.75	1187.82	1407.52	1250.00	.26	.48
	15.000	301.04	345.15	476.80	1.68	1.92	7.46	6.43	1172.81	1412.89	1250.00	.68	.40
	73.000	0.	105.87	121.13	0.	.79	2.86	2.76	1328.20	1501.88	2000.00	0.	.07
	73.000	.00	243.82	187.18	.01	1.08	3.30	3.33	1324.67	1520.34	2000.00	.57	.08
	73.000	.47	324.70	226.83	.24	1.19	3.56	3.60	1312.96	1529.06	2000.00	.27	.09
	73.000	8.78	542.22	328.00	.56	1.44	4.20	4.16	1291.12	1547.02	2000.00	.55	.12
	731.000	0.	0.	227.00	0.	0.	9.41	3.45	1234.00	1241.00	150.00	0.	1.37
*	731.000	4.48	9.76	416.76	.81	.81	10.84	5.49	1224.32	1262.01	150.00	2.05	1.77
*	731.000	26.90	130.51	394.59	.90	.76	8.04	7.01	1211.47	1437.38	150.00	1.52	.72
*	731.000	52.11	330.89	496.00	1.13	1.07	9.26	7.65	1206.00	1469.61	150.00	.64	.76
*	131.000	0.	0.	227.00	0.	0.	8.44	3.84	1234.00	1241.00	50.00	0.	1.11
	131.000	27.51	188.86	214.63	.48	.48	3.83	8.01	1202.96	1487.56	50.00	4.17	.12
	131.000	39.09	283.11	229.80	.52	.53	3.84	8.54	1195.26	1511.40	50.00	.53	.10
*	131.000	69.82	500.08	309.10	.70	.73	4.86	9.09	1181.39	1533.04	50.00	.54	.13
	13.000	56.60	18.81	151.59	.52	.42	2.15	4.98	1177.12	1318.39	75.00	0.	.05
	13.000	154.13	121.21	155.66	.35	.31	1.25	7.99	1113.05	1432.32	75.00	3.00	.01
	13.000	200.16	167.83	184.02	.39	.35	1.37	8.50	1102.10	1443.51	75.00	.51	.01
	13.000	326.65	284.30	268.05	.54	.49	1.85	9.09	1094.28	1456.23	75.00	.58	.02
	74.000	0.	0.	227.00	0.	0.	5.50	3.79	1216.87	1233.52	1275.00	0.	.47
	74.000	30.65	0.	400.35	.99	0.	6.20	5.06	1169.96	1235.48	1275.00	1.27	.56
	74.000	68.15	0.	483.85	1.26	0.	6.58	5.51	1159.18	1236.18	1275.00	.45	.59
	74.000	195.24	0.	683.75	1.72	0.	7.44	6.40	1138.15	1237.53	1275.00	.89	.68
	741.000	0.	0.	227.00	0.	0.	7.08	4.01	1217.00	1225.00	93.00	0.	.78
	741.000	0.	0.	431.00	0.	0.	10.45	5.16	1217.00	1225.00	93.00	1.15	1.69
	741.000	0.	0.	552.00	0.	0.	12.70	5.43	1217.00	1225.00	93.00	.28	2.50
*	741.000	104.09	145.72	629.19	.81	1.07	8.87	8.86	1081.94	1316.21	93.00	3.43	.88
*	111.000	0.	0.	227.00	0.	0.	6.33	4.48	1217.00	1225.00	63.00	0.	.62

	111.000	18.32	44.04	368.64	.40	.54	5.62	8.21	1104.85	1299.18	63.00	3.73	.42
	111.000	47.70	78.58	425.72	.51	.69	6.19	8.60	1089.36	1309.55	63.00	.39	.46
*	111.000	186.38	196.96	495.66	.75	.90	6.40	9.68	1058.53	1337.22	63.00	1.08	.36
	11.000	.61	0.	226.39	.38	0.	4.52	5.24	1207.65	1232.25	43.00	0.	.32
	11.000	149.05	40.62	241.33	.50	.36	2.06	8.83	1058.25	1325.03	43.00	3.59	.04
	11.000	207.34	66.50	278.16	.56	.43	2.22	9.27	1046.34	1333.24	43.00	.44	.04
	11.000	372.36	147.30	359.34	.68	.56	2.50	10.25	1021.03	1352.04	43.00	.97	.04

SECNO	QLOB	QROB	QCH	VLOB	VROB	VCH	DEPTH	SSTA	ENDST	XLCH	DIFWSP	HV
10.000	0.	0.	109.00	0.	0.	3.47	3.80	1176.02	1187.50	475.00	0.	.19
10.000	3.55	.02	210.43	.30	.13	4.04	5.42	1095.49	1191.07	475.00	1.62	.25
10.000	25.74	1.04	250.22	.57	.37	4.30	5.85	1090.78	1200.37	475.00	.43	.26
10.000	117.46	11.96	320.58	.98	.79	4.58	6.70	1081.59	1206.91	475.00	.85	.24

SUMMARY OF ERRORS

CAUTION SECNO= 15.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 15.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 731.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 731.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 731.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 131.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 131.000 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 741.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 741.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 111.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 111.000 PROFILE= 4 HYDRAULIC JUMP D.S.

THIS RUN EXECUTED 03/14/79 14:39:22

Multiple Zones

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
  ERROR CORR -  01,02
  MODIFICATION -  50,51,52,53
**************************************************

T1      FIS RANDOLPH CO. N.C.  11-7-78
T2      10 YR NATURAL AND FLOOD ZONE TABLE 201
T3      MUDDY-W. BR. ARCHDALE

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
       -1.       2.        0.        0.  0.            0.        0.        0.  783.000      0.
J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
     1.000       0.     -1.000       0.        0.        0.        0.        0.        0.        0.
J3  VARIABLE CODES FOR SUMMARY PRINTOUT
   202.000    44.000    60.000   203.000    47.000    50.000    60.000       0.        0.        0.
J5  LPRNT     NUMSEC                        ********REQUESTED SECTION NUMBERS********
   -10.000   -10.000       0.        0.        0.        0.        0.        0.        0.        0.
J6  IHLEQ     ICOPY
     1.000       0.        0.        0.        0.        0.        0.        0.        0.        0.

NC      .126      .126      .053      .100      .300        0.        0.        0.        0.        0.
QT     4.000   327.000   614.000   783.000  1240.000        0.        0.        0.        0.        0.

X1    17.000    16.000  1279.000  1295.000        0.        0.        0.        0.        0.        0.
GP   802.200  1000.000   801.800  1009.000   795.000  1100.000   792.600  1122.000   786.000  1200.000
GR   783.400  1279.000   778.800  1284.000   777.800  1286.000   778.500  1290.000   783.800  1295.000
GP   778.900  1306.000   781.700  1311.000   782.700  1379.000   785.300  1389.000   785.500  1401.000
GR   785.400  1414.000        0.        0.        0.        0.        0.        0.        0.        0.

X1    16.000    17.000  1437.000  1454.000  1400.000  1400.000  1400.000        0.        0.        0.
GR   802.900  1000.000   796.500  1100.000   792.900  1164.000   794.700  1200.000   794.100  1211.000
GR   791.600  1300.000   788.300  1344.000   791.600  1359.000   789.100  1373.000   789.800  1400.000
GR   790.500  1437.000   785.600  1440.000   786.500  1445.000   787.000  1451.000   789.600  1454.000
GR   797.100  1500.000   804.100  1530.000        0.        0.        0.        0.        0.        0.
QT     4.000   295.000   555.000   709.000  1123.000        0.        0.        0.        0.        0.

X1    15.000    10.000  1300.000  1312.000  1250.000  1250.000  1250.000        0.        0.        0.
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GR	813.200	1000.000	806.600	1100.000	802.100	1200.000	801.300	1300.000	796.900	1302.000
GR	797.000	1305.000	797.500	1309.000	801.100	1312.000	801.700	1400.000	814.300	1500.000
GT	4.000	227.000	431.000	552.000	879.000	0.	0.	0.	0.	0.
X1	73.000	15.000	1326.000	1352.000	2000.000	2000.000	2000.000	0.	0.	0.
GR	832.000	1000.000	825.400	1100.000	821.100	1200.000	818.200	1300.000	817.600	1326.000
GR	814.400	1339.000	814.300	1343.000	814.500	1347.000	817.000	1352.000	815.300	1400.000
GR	817.000	1500.000	820.100	1660.000	821.000	1700.000	824.000	1800.000	830.300	1900.000
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
X1	731.000	15.000	1234.000	1241.000	150.000	150.000	150.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	818.590	818.590	0.
GR	831.500	1000.000	826.500	1100.000	822.600	1200.000	818.590	1234.000	814.240	1234.000
GR	814.240	1238.000	814.240	1241.000	818.590	1241.000	820.600	1278.000	820.400	1300.000
GR	820.500	1400.000	822.500	1500.000	825.000	1600.000	827.700	1700.000	829.400	1760.000
SB	.900	1.740	2.600	0.	7.000	.100	30.450	0.	0.	0.
X1	131.000	0.	0.	0.	50.000	50.000	50.000	0.	0.	0.
X2	0.	0.	1.000	818.590	821.230	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	821.230	821.230	0.
BT	4.000	1000.000	831.500	831.500	1234.000	821.230	818.590	1241.000	821.230	818.590
BT	1760.000	829.400	829.400	0.	0.	0.	0.	0.	0.	0.
NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.
X1	13.000	15.000	1254.000	1272.000	75.000	75.000	75.000	0.	0.	0.
GR	831.500	1000.000	823.000	1100.000	818.300	1200.000	816.900	1254.000	815.200	1259.000
GR	814.700	1263.000	814.400	1267.000	817.600	1272.000	818.500	1300.000	819.500	1321.000
GR	819.900	1334.000	819.800	1345.000	820.900	1400.000	825.500	1500.000	829.900	1600.000
X1	74.000	14.000	1216.000	1238.000	1275.000	1275.000	1275.000	0.	0.	0.
GR	835.800	1000.000	835.500	1010.000	832.600	1100.000	828.400	1200.000	829.100	1207.000
GR	829.000	1216.000	824.800	1222.000	824.600	1226.000	824.800	1228.000	831.300	1238.000
GR	831.800	1300.000	834.900	1400.000	835.000	1404.000	843.600	1464.000	0.	0.
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
X1	741.000	11.000	1217.000	1225.000	93.000	93.000	93.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	830.970	830.970	0.
GR	836.700	1000.000	833.200	1100.000	832.700	1200.000	830.970	1217.000	824.970	1217.000
GR	824.970	1221.000	824.970	1225.000	830.970	1225.000	833.200	1300.000	837.100	1400.000
GR	843.500	1464.000	0.	0.	0.	0.	0.	0.	0.	0.
SB	.900	1.870	2.600	0.	5.330	.100	32.000	0.	0.	0.
X1	111.000	0.	0.	0.	63.000	63.000	63.000	0.	0.	0.
X2	0.	0.	1.000	830.970	832.630	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	832.630	832.630	0.
BT	5.000	1000.000	836.700	836.700	1217.000	832.630	824.970	1221.000	832.630	830.970
BT	1225.000	832.630	824.970	1464.000	843.500	843.500	0.	0.	0.	0.

NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.
X1	11.000	15.000	1215.000	1234.000	43.000	43.000	43.000	0.	0.	0.
GR	835.900	1000.000	834.600	1032.000	832.100	1100.000	831.200	1180.000	830.500	1200.000
GR	829.600	1215.000	826.800	1221.000	824.800	1226.000	826.000	1228.000	831.700	1234.000
GR	832.100	1244.000	832.300	1300.000	834.700	1345.000	837.400	1400.000	844.900	1464.000
QT	4.000	109.000	214.000	277.000	450.000	0.	0.	0.	0.	0.
X1	10.000	10.000	1175.000	1189.000	475.000	475.000	475.000	0.	0.	0.
GR	843.700	1000.000	834.500	1100.000	835.100	1175.000	829.800	1178.000	829.500	1181.000
GR	829.800	1184.000	834.800	1189.000	835.300	1198.000	835.300	1200.000	845.000	1275.000
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

THIS RUN EXECUTED 03/14/79 14:39:58

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

T1 FIS RANDOLPH CO. N.C. 11-8-78
T2 50 YR NATURAL AND FLOOD ZONE TABLE 201
T3 MUDDY-W. BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.	0.	0.	0.	783.800	0.

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	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.

THIS RUN EXECUTED 03/14/79 14:40:02

****
HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01,02
MODIFICATION - 50,51,52,53
****

T1 FIS RANDOLPH CO. N.C. 11-8-78
T2 100 YR NATURAL AND FLOOD ZONE TABLE 201
T3 MUDDY-W. BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.	0.	0.	0.	784.200	0.

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	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.

THIS RUN EXECUTED 03/14/79 14:40:07

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

T1 FIS RANDOLPH CO. N.C. 11-8-78
T2 500 YR NATURAL AND FLOOD ZONE TABLE 201
T3 MUDDY-W. BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0. 0.		0.	0.	0.	786.000	0.

J2	NPROF	IPLOT	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.

THIS RUN EXECUTED 03/14/79 14:40:17

****
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

SUMMARY OF ERRORS

CAUTION	SECNO=	0.	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	0.	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	0.	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	0.	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	0.	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	0.	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	0.	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	0.	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	0.	PROFILE= 1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	0.	PROFILE= 4	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	0.	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	0.	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	0.	PROFILE= 1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	0.	PROFILE= 4	HYDRAULIC JUMP D.S.

FLOOD INSURANCE ZONE DATA FOR MUDDY-W. BR. ARCHDALE

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

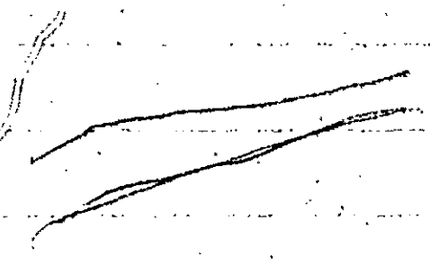
SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10%	2%	0.2%
17.000 A	0.	-1.20	-.40	1.80
16.000 B	1400.	-1.42	-.41	.55
15.000 C	2650.	-1.00	-.26	.68
73.000 D	4650.	-.85	-.27	.55
731.000 E	4800.	-3.56	-1.52	.64
131.000	4850.	-4.70	-.53	.54
13.000 F	4925.	-3.52	-.51	.58
74.000 G	6200.	-1.72	-.45	.89
741.000 H	6293.	-1.43	-.28	3.43
111.000	6356.	-4.12	-.39	1.08
11.000 I	6399.	-4.03	-.44	.97
10.000 J	6874.	-2.05	-.43	.85
WEIGHTED AVG FOR REACH		-1.65	-.39	.81

FHF FOR THE REACH = 0.5 WITH 39.9% OF THE REACH WITHIN .5 FEET
ZONE FOR THE REACH = (A 3) Q=7.6814

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 10%	1%	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.		17.000
1	114.	783.31	784.52	-1.21	-1.21	010	100.
2	228.	783.94	785.17	-1.23	-1.22	010	100.
3	342.	784.57	785.81	-1.24	-1.23	010	100.
4	456.	785.20	786.46	-1.26	-1.24	010	100.
5	570.	785.82	787.11	-1.29	-1.25	015	100.
6	684.	786.45	787.75	-1.30	-1.26	015	100.
7	798.	787.08	788.40	-1.32	-1.26	015	100.
8	912.	787.71	789.04	-1.33	-1.27	015	100.
9	1026.	788.33	789.69	-1.36	-1.28	015	100.
10	1140.	788.96	790.34	-1.38	-1.29	015	100.
11	1254.	789.59	790.98	-1.39	-1.30	015	100.
12	1368.	790.22	791.63	-1.41	-1.31	015	100.
	1400.				SEC.		16.000

ZONE DATA



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13	1482.	790.98	792.39	-1.41	-1.32	015	100.
14	1596.	791.93	793.30	-1.37	-1.32	015	100.
15	1710.	792.92	794.26	-1.34	-1.32	015	100.
16	1824.	793.92	795.22	-1.30	-1.32	015	100.
17	1938.	794.92	796.18	-1.26	-1.32	015	100.
18	2052.	795.92	797.14	-1.22	-1.31	015	100.
19	2166.	796.92	798.10	-1.18	-1.31	015	100.
20	2280.	797.91	799.06	-1.15	-1.30	015	100.
21	2394.	798.91	800.02	-1.11	-1.29	015	100.
22	2508.	799.91	800.98	-1.07	-1.28	015	100.
23	2622.	800.91	801.94	-1.03	-1.27	015	100.
	2650.				SEC.	15.000	
24	2736.	801.86	802.86	-1.00	-1.26	015	100.
25	2850.	802.76	803.74	-.98	-1.25	015	100.
26	2964.	803.63	804.61	-.98	-1.24	010	100.
27	3078.	804.51	805.48	-.97	-1.23	010	100.
28	3192.	805.39	806.35	-.96	-1.22	010	100.
29	3306.	806.27	807.22	-.95	-1.21	010	100.
30	3420.	807.14	808.09	-.95	-1.20	010	100.
31	3534.	808.02	808.96	-.94	-1.19	010	100.
32	3648.	808.90	809.83	-.93	-1.18	010	100.
33	3762.	809.78	810.70	-.92	-1.17	010	100.
34	3876.	810.66	811.57	-.91	-1.17	010	100.
35	3990.	811.53	812.43	-.90	-1.16	010	100.
36	4104.	812.41	813.30	-.89	-1.15	010	100.
37	4218.	813.29	814.17	-.88	-1.14	010	100.
38	4332.	814.17	815.04	-.87	-1.14	010	100.
39	4446.	815.05	815.91	-.86	-1.13	010	100.
40	4560.	815.92	816.78	-.86	-1.12	010	100.
	4650.				SEC.	73.000	
41	4674.	816.76	817.83	-1.07	-1.12	010	100.
42	4788.	817.40	819.71	-2.31	-1.15	010	98.
	4800.				SEC.	731.000	
	4850.				SEC.	131.000	
43	4902.	818.31	821.92	-3.61	-1.21	010	95.
	4925.				SEC.	13.000	
44	5016.	819.50	823.14	-3.64	-1.26	015	93.

ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND

	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-1.26	-.36	.77

FHF FOR REACH 1 = 015 WITH 93.% OF THE REACH WITHIN .5 FEET
ZONE FOR THE REACH = A 3

45	5130.	820.43	823.74	-3.31	-3.31	035	100.
46	5244.	821.23	824.38	-3.15	-3.23	030	100.
47	5358.	822.04	825.03	-2.99	-3.15	030	100.
48	5472.	822.85	825.67	-2.82	-3.07	030	100.
49	5586.	823.65	826.32	-2.67	-2.99	030	100.
50	5700.	824.46	826.96	-2.50	-2.91	030	100.
51	5814.	825.26	827.61	-2.35	-2.83	030	100.

52	5928.	826.07	828.25	-2.18	-2.75	030	100.
53	6042.	826.87	828.90	-2.03	-2.67	025	100.
54	6156.	827.68	829.54	-1.86	-2.59	025	98.
	6200.				SEC.	74.000	
55	6270.	828.46	830.10	-1.64	-2.50	025	98.
	6293.				SEC.	741.000	
	6356.				SEC.	111.000	
56	6384.	829.33	832.12	-2.79	-2.52	025	98.
	6399.				SEC.	11.000	
57	6498.	830.28	834.12	-3.84	-2.63	025	96.
58	6612.	831.11	834.49	-3.38	-2.68	025	97.
59	6726.	831.89	834.80	-2.91	-2.69	025	97.
60	6840.	832.67	835.10	-2.43	-2.68	025	97.
	6874.				SEC.	10.000	

ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND

	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-2.68	-.46	.93

FHF FOR REACH 2 = 025 WITH 97.% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 10%	1%	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.	17.000	
1	114.	783.31	784.52	-1.21	-1.21	010	100.
2	228.	783.94	785.17	-1.23	-1.22	010	100.
3	342.	784.57	785.81	-1.24	-1.23	010	100.
4	456.	785.20	786.46	-1.26	-1.24	010	100.
5	570.	785.82	787.11	-1.29	-1.25	015	100.
6	684.	786.45	787.75	-1.30	-1.26	015	100.
7	798.	787.08	788.40	-1.32	-1.26	015	100.
8	912.	787.71	789.04	-1.33	-1.27	015	100.
9	1026.	788.33	789.69	-1.36	-1.28	015	100.
10	1140.	788.96	790.34	-1.38	-1.29	015	100.
11	1254.	789.59	790.98	-1.39	-1.30	015	100.
12	1368.	790.22	791.63	-1.41	-1.31	015	100.
	1400.				SEC.	16.000	
13	1482.	790.98	792.39	-1.41	-1.32	015	100.
14	1596.	791.93	793.30	-1.37	-1.32	015	100.
15	1710.	792.92	794.26	-1.34	-1.32	015	100.
16	1824.	793.92	795.22	-1.30	-1.32	015	100.
17	1938.	794.92	796.18	-1.26	-1.32	015	100.
18	2052.	795.92	797.14	-1.22	-1.31	015	100.
19	2166.	796.92	798.10	-1.18	-1.31	015	100.
20	2280.	797.91	799.06	-1.15	-1.30	015	100.

21	2394.	798.91	800.02	-1.11	-1.29	015	100.
22	2508.	799.91	800.98	-1.07	-1.28	015	100.
23	2622.	800.91	801.94	-1.03	-1.27	015	100.
	2650.				SEC.	15.000	
24	2736.	801.86	802.86	-1.00	-1.26	015	100.
25	2850.	802.76	803.74	-.98	-1.25	015	100.
26	2964.	803.63	804.61	-.98	-1.24	010	100.
27	3078.	804.51	805.48	-.97	-1.23	010	100.
28	3192.	805.39	806.35	-.96	-1.22	010	100.
29	3306.	806.27	807.22	-.95	-1.21	010	100.
30	3420.	807.14	808.09	-.95	-1.20	010	100.
31	3534.	808.02	808.96	-.94	-1.19	010	100.
32	3648.	808.90	809.83	-.93	-1.18	010	100.
33	3762.	809.78	810.70	-.92	-1.17	010	100.
34	3876.	810.66	811.57	-.91	-1.17	010	100.
35	3990.	811.53	812.43	-.90	-1.16	010	100.
36	4104.	812.41	813.30	-.89	-1.15	010	100.
37	4218.	813.29	814.17	-.88	-1.14	010	100.
38	4332.	814.17	815.04	-.87	-1.14	010	100.
39	4446.	815.05	815.91	-.86	-1.13	010	100.
40	4560.	815.92	816.78	-.86	-1.12	010	100.
	4650.				SEC.	73.000	
41	4674.	816.76	817.83	-1.07	-1.12	010	100.
42	4788.	817.40	819.71	-2.31	-1.15	010	98.
	4900.				SEC.	731.000	
	4850.				SEC.	131.000	
43	4902.	818.31	821.92	-3.61	-1.21	010	95.
	4925.				SEC.	13.000	
44	5016.	819.50	823.14	-3.64	-1.26	015	93.
45	5130.	820.43	823.74	-3.31	-1.31	015	91.
46	5244.	821.23	824.38	-3.15	-1.35	015	89.
47	5358.	822.04	825.03	-2.99	-1.38	015	81.

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-1.38	-.37	.75

FHF FOR REACH 1 = 015 WITH 81.% OF THE REACH WITHIN .5 FEET
ZONE FOR THE REACH = A 3

48	5472.	822.85	825.67	-2.82	-2.82	030	100.
49	5586.	823.65	826.32	-2.67	-2.75	030	100.
50	5700.	824.46	826.96	-2.50	-2.66	025	100.

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-2.66	-.48	.73

FHF FOR REACH 2 = 025 WITH 100.% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

51	5814.	825.26	827.61	-2.35	-2.35	025	100.
52	5928.	826.07	828.25	-2.18	-2.27	025	100.
53	6042.	826.87	828.90	-2.03	-2.19	020	100.
54	6156.	827.68	829.54	-1.86	-2.10	020	100.
	6200.				SEC.	74.000	
55	6270.	828.46	830.10	-1.64	-2.01	020	100.
	6293.				SEC.	741.000	
	6356.				SEC.	111.000	
56	6384.	829.33	832.12	-2.79	-2.14	020	100.
	6399.				SEC.	11.000	
57	6498.	830.28	834.12	-3.84	-2.38	025	98.
58	6612.	831.11	834.49	-3.38	-2.51	025	98.
59	6726.	831.89	834.80	-2.91	-2.55	025	98.
60	6840.	832.67	835.10	-2.43	-2.54	025	98.
	6874.				SEC.	10.000	

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-2.54	-.44	1.07

FHF FOR REACH 3 = 025 WITH 98.% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

THIS RUN EXECUTED 03/16/79 03:55:34

Final
(Floodway)

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**************************************************
  HEC2 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      MUDDY-W.BR.-ARCHDALE

J1  ICHECK     INQ      NINV     IDIP     STRT     METRIC   HVINS    Q        WSEL     FQ
        0.       2.       0.       0.  0.            0.       0.       0.  784.200     0.

J2  NPROF      IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      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  LPRNT    NUMSEC                  *********REQUESTED SECTION NUMBERS*********
    -10.000  -10.000       0.       0.       0.       0.       0.       0.       0.       0.
J6  IHLEG    ICOPY
      1.000      0.       0.       0.       0.       0.       0.       0.       0.       0.

NC      .125     .125     .053     .100     .300       0.       0.       0.       0.       0.
QT     3.000  783.000  793.000  783.000       0.       0.       0.       0.       0.       0.
ET        0.       0.    6.400       0.       0.       0.       0.       0.       0.       0.

X1     17.000   16.000 1279.000 1285.000       0.       0.       0.       0.       0.       0.
GR    802.200 1000.000  801.800 1009.000  795.000 1190.000  792.600 1122.000  786.000 1200.000
GR    783.400 1279.000  778.300 1284.000  777.300 1285.000  778.500 1290.000  783.800 1295.000
GR    778.900 1306.000  781.700 1311.000  782.700 1379.000  785.300 1389.000  785.500 1401.000
GR    785.400 1414.000       0.       0.       0.       0.       0.       0.       0.       0.
ET        0.       0.    9.100       0.       0.       0.       0.       0.  1390.000 1470.000

X1     16.000   17.000 1437.000 1454.000 1400.000 1400.000 1400.000       0.       0.       0.
GR    802.900 1000.000  796.500 1100.000  792.900 1164.000  794.700 1200.000  794.100 1211.000
GR    791.600 1300.000  788.300 1344.000  791.600 1359.000  789.100 1373.000  789.800 1400.000
GR    790.500 1437.000  785.600 1440.000  786.500 1445.000  787.000 1451.000  789.600 1454.000
GR    797.100 1500.000  804.100 1530.000       0.       0.       0.       0.       0.       0.
QT     3.000  708.000  708.000  708.000       0.       0.       0.       0.       0.       0.
ET        0.       0.    9.100       0.       0.       0.       0.       0.  1285.000 1365.000
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PRINTED IN U.S.A.

X1	15.000	10.000	1300.000	1312.000	1250.000	1250.000	1250.000	0.	0.	0.
GR	813.200	1000.000	806.600	1100.000	802.100	1200.000	801.300	1400.000	796.900	1302.000
GR	797.000	1305.000	797.500	1300.000	801.100	1312.000	801.700	1400.000	814.300	1500.000
QT	3.000	552.000	552.000	552.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1321.000	1390.000
X1	73.000	15.000	1326.000	1352.000	2000.000	2000.000	2000.000	0.	0.	0.
GR	832.000	1000.000	825.400	1100.000	821.100	1200.000	818.200	1300.000	817.600	1326.000
GR	814.400	1339.000	814.300	1343.000	814.500	1347.000	817.000	1352.000	815.300	1400.000
GR	817.000	1500.000	820.100	1600.000	821.000	1700.000	824.000	1800.000	830.300	1900.000
NC	0.	0.	.025	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1221.000	1301.000
X1	731.000	15.000	1234.000	1241.000	150.000	150.000	150.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	818.590	818.590	0.
GR	831.500	1000.000	826.500	1100.000	822.600	1200.000	818.590	1234.000	814.240	1234.000
GR	814.240	1239.000	814.240	1241.000	818.590	1241.000	820.600	1278.000	820.400	1300.000
GR	820.500	1400.000	822.500	1500.000	825.000	1600.000	827.700	1700.000	829.400	1760.000
SB	.900	1.740	2.600	0.	7.000	.100	30.450	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1221.000	1301.000
X1	131.000	0.	0.	0.	50.000	50.000	50.000	0.	0.	0.
X2	0.	0.	1.000	818.590	821.230	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	821.230	821.230	0.
GR	4.000	1000.000	831.500	831.500	1234.000	821.230	818.590	1241.000	821.230	818.590
GR	1760.000	829.400	829.400	0.	0.	0.	0.	0.	0.	0.
NC	0.	0.	.053	.100	.400	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1221.000	1301.000
X1	13.000	15.000	1254.000	1272.000	75.000	75.000	75.000	0.	0.	0.
GR	831.500	1000.000	823.000	1100.000	818.300	1200.000	816.900	1254.000	815.200	1259.000
GR	814.700	1263.000	814.400	1267.000	817.600	1272.000	818.500	1300.000	819.500	1321.000
GR	819.000	1335.000	819.300	1365.000	820.400	1400.000	825.500	1500.000	829.900	1600.000
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1159.000	1238.000
X1	74.000	14.000	1216.000	1238.000	1275.000	1275.000	1275.000	0.	0.	0.
GR	845.200	1000.000	835.500	1100.000	832.600	1100.000	828.400	1200.000	829.100	1207.000
GR	822.000	1215.000	824.300	1222.000	826.500	1226.000	824.300	1238.000	831.300	1238.000
GR	831.800	1300.000	838.900	1400.000	835.600	1404.000	843.500	1464.000	0.	0.
NC	0.	0.	.325	.300	.500	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1217.000	1225.000
X1	741.000	11.000	1217.000	1225.000	93.000	93.000	93.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	830.970	830.970	0.
GR	836.760	1000.000	833.200	1100.300	832.700	1200.000	830.970	1217.000	824.970	1217.000
GR	824.970	1221.000	824.970	1225.000	830.970	1225.000	833.200	1300.000	837.100	1400.000

GR	843.500	1464.000	0.	0.	0.	0.	0.	0.	0.	0.
SP	.900	1.870	2.600	0.	5.330	.100	32.000	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	1217.000	1277.000
X1	111.000	0.	0.	0.	63.000	63.000	63.000	0.	0.	0.
X2	0.	0.	1.000	830.970	832.630	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	832.630	832.630	0.
RT	5.000	1000.000	836.700	836.700	1217.000	832.630	824.970	1221.000	832.630	830.970
RT	1225.000	832.630	824.970	1464.000	843.500	843.500	0.	0.	0.	0.
NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1174.000	1234.000
X1	11.000	15.000	1215.000	1234.000	43.000	43.000	43.000	0.	0.	0.
GR	835.900	1000.000	834.600	1032.000	832.100	1100.000	831.200	1180.000	830.500	1200.000
GR	829.600	1215.000	926.800	1221.000	824.800	1226.000	826.000	1228.000	831.700	1234.000
GR	832.100	1244.000	832.300	1300.000	834.700	1345.000	837.400	1400.000	844.900	1464.000
QT	3.000	277.000	277.000	277.000	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	1129.000	1189.000
X1	10.000	10.000	1175.000	1189.000	475.000	475.000	475.000	0.	0.	0.
GR	843.700	1000.000	834.500	1100.000	835.100	1175.000	829.800	1178.000	829.500	1181.000
GR	829.800	1184.000	834.800	1189.000	835.300	1198.000	835.300	1200.000	845.000	1275.000
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

FLOW DISTRIBUTION FOR SECNO= 17.00 CWSEL= 784.20

STA=	1265.	1279.	1295.	1306.	1311.	1329.	1385.
PER Q=	.8	51.6	8.7	6.5	31.9	.5	
AREA=	9.7	66.2	31.4	19.5	136.0	4.3	
VEL=	.6	6.1	2.2	2.6	1.8	.9	

FLOW DISTRIBUTION FOR SECNO= 16.00 CWSEL= 782.13

STA=	1281.	1300.	1344.	1354.	1373.	1400.	1437.	1454.	1470.
PER Q=	.2	15.2	5.1	3.4	13.1	10.9	50.0	2.1	
AREA=	5.0	96.0	32.7	24.9	72.4	73.3	86.4	19.7	
VEL=	.3	1.2	1.2	1.1	1.4	1.2	4.5	.9	

FLOW DISTRIBUTION FOR SECNO= 15.00 CWSEL= 802.65

STA=	1189.	1200.	1300.	1312.	1400.	1404.
PER Q=	.3	17.6	57.3	24.4	.4	
AREA=	3.3	94.8	55.8	109.8	3.6	
VEL=	.6	1.3	7.3	1.6	.8	

FLOW DISTRIBUTION FOR SECNO= 73.00 CWSEL= 817.90

STA=	1313.	1326.	1352.	1400.	1500.	1529.
PER Q=	.1	41.1	18.7	39.0	1.2	
AREA=	2.0	63.7	64.0	175.1	13.1	
VEL=	.2	3.6	1.2	1.2	.5	

FLOW DISTRIBUTION FOR SECNO= 731.00 CWSEL= 821.25

STA=	1211.	1234.	1241.	1278.	1300.	1400.	1437.
PER Q=	4.9	71.5	11.6	1.8	9.3	1.0	
AREA=	29.9	49.1	61.1	16.4	79.8	14.0	
VEL=	.9	8.0	1.0	.6	.6	.4	

FLOW DISTRIBUTION FOR SECNO= 131.00 CWSEL= 822.78

STA=	1195.	1234.	1241.	1278.	1300.	1400.	1500.	1511.
PER Q=	7.1	41.6	14.5	4.9	23.3	8.6	.0	
AREA=	74.9	59.8	118.0	50.3	233.5	128.5	1.6	
VEL=	.5	3.8	.7	.5	.5	.4	.1	

FLOW DISTRIBUTION FOR SECNO= 13.00 CWSEL= 822.90

STA=	1102.	1200.	1254.	1272.	1300.	1321.	1334.	1345.	1400.	1444.
PER Q=	11.3	25.0	33.3	11.2	5.8	2.6	2.0	7.5	1.3	
AREA=	225.3	286.3	134.0	135.8	81.9	41.6	33.6	140.3	43.5	
VEL=	.3	.5	1.4	.5	.4	.3	.3	.3	.2	

FLOW DISTRIBUTION FOR SECNO= 74.00 CWSEL= 830.11

STA=	1159.	1200.	1207.	1216.	1238.
PER Q=	7.3	2.7	2.3	87.7	
AREA=	35.0	9.6	9.6	73.5	
VEL=	1.2	1.6	1.3	6.6	

FLOW DISTRIBUTION FOR SECNO= 741.00 CWSEL= 830.40

STA=	1217.	1225.
PER Q=	100.0	
AREA=	43.5	
VEL=	12.7	

FLOW DISTRIBUTION FOR SECNO= 111.00 CWSEL= 833.57

STA=	1089.	1100.	1200.	1217.	1225.	1300.	1310.
PER Q=	.1	4.4	4.2	77.1	14.2	.1	
AREA=	2.0	52.3	29.5	65.8	111.6	1.8	
VEL=	.2	.4	.8	6.2	.7	.2	

FLOW DISTRIBUTION FOR SECNO= 11.00 CWSEL= 834.07

STA=	1046.	1100.	1190.	1200.	1215.	1234.	1244.	1300.	1333.
PER Q=	2.8	18.9	7.6	8.2	50.4	2.0	8.6	1.5	
AREA=	52.9	193.8	64.5	60.3	125.3	21.7	104.9	29.5	
VEL=	.3	.5	.7	.8	2.2	.5	.5	.3	

FLOW DISTRIBUTION FOR SECNO= 10.00 CWSEL= 835.35

STA=	1091.	1100.	1175.	1189.	1198.	1200.
PER Q=	.7	8.6	90.3	.4	.0	
AREA=	3.9	41.1	58.1	2.7	.1	
VEL=	.5	.6	4.3	.4	.0	

THIS RUN EXECUTED 03/16/79 03:56:29

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**********************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
  ERROR CORR - 01,02
  MODIFICATION - 50,51,52,53
**********************************************************
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T1 FIS RANDOLPH CO. N.C. 12-7-78
T2 FLOODWAY--METHOD 1
T3 MUDDY-W.BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.	0.	0.	0.	784.600	0.

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	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=  1221.00   STENCR=  1301.00
    3700.  BRIDGE STENCL=  1217.00   STENCR=  1277.00
```

THIS RUN EXECUTED 03/16/79 03:56:35

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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

MUDDY-W.BR.-ARCHDALE

SUMMARY PRINTOUT TABLE 100

SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
131.000	821.99	818.59	830.13	821.23	236.87	317.18	30.00	.02	8.54	822.78	3.84	822.88
131.000	823.13	818.59	829.87	821.23	256.31	300.05	30.00	.07	8.27	822.51	6.22	822.90
11.000	832.98	830.97	839.04	832.63	317.54	194.82	30.00	.41	8.60	833.57	6.19	834.03
11.000	832.98	830.97	839.05	832.63	364.81	168.87	30.00	.41	9.22	834.19	5.82	834.61

PRINTED IN U.S.A.

MUDDY-W.BR. ARCHDALE

SUMMARY PRINTOUT TABLE 105

	SECNO	CWSE	HL	OLOSS	TOPWID	QLOB	QCH	QROB
	73.000	817.90	14.82	.04	216.11	.47	226.83	324.70
	73.000	818.83	15.30	.04	69.00	4.99	401.54	145.46
*	731.000	821.25	.60	.39	225.91	26.90	394.59	130.51
*	731.000	820.99	.93	.44	80.00	25.99	460.02	65.99
	131.000	822.78	.91	0.	316.14	39.09	229.80	283.11
	131.000	822.51	.68	0.	80.00	40.64	360.10	151.27
	13.000	822.90	.02	.01	341.42	200.16	184.02	167.83
	13.000	822.95	.06	.03	80.00	139.52	307.72	104.76
	74.000	830.11	7.62	.17	77.00	68.15	483.85	0.
	74.000	830.15	7.57	.16	77.22	70.46	481.54	0.
	741.000	830.40	1.24	.95	8.00	0.	552.00	0.
	741.000	830.41	1.22	.96	8.00	0.	552.00	0.
	111.000	833.57	1.12	0.	220.20	47.70	425.72	78.58
	111.000	834.19	1.71	0.	60.00	0.	429.98	122.02
	11.000	834.07	.04	.04	286.90	207.34	278.16	66.50
	11.000	834.61	.06	.03	60.00	160.90	391.10	0.

MUDDY-W.BR. ARCHDALE

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	17.000	784.20	0.	784.52	130.09	6.09	404.16	372.75	0.	0.	1279.00	1295.00	0.
	17.000	784.60	.40	785.12	49.83	0.	505.69	277.31	.28	1279.00	1279.00	1295.00	1328.83
	16.000	792.13	0.	792.30	198.46	375.98	391.13	16.80	0.	0.	1437.00	1454.00	0.
	16.000	793.12	.99	793.40	80.00	214.61	526.09	42.39	80.00	1390.00	1437.00	1454.00	1470.00
	15.000	802.65	0.	803.14	219.70	126.28	405.74	175.99	0.	0.	1300.00	1312.00	0.
	15.000	803.15	.49	803.75	80.00	48.36	466.19	193.45	80.00	1285.00	1300.00	1312.00	1365.00
	73.000	817.90	0.	817.99	216.11	.47	226.83	324.70	0.	0.	1326.00	1352.00	0.
	73.000	818.83	.93	819.08	69.00	4.99	401.54	145.46	69.00	1321.00	1326.00	1352.00	1390.00
*	731.000	821.25	0.	821.97	225.91	26.90	394.59	130.51	0.	0.	1234.00	1241.00	0.
*	731.000	820.99	-.26	822.22	80.00	25.99	460.02	65.99	80.00	1221.00	1234.00	1241.00	1301.00
	131.000	822.78	0.	822.88	316.14	39.09	229.80	283.11	0.	0.	1234.00	1241.00	0.
	131.000	822.51	-.28	822.90	80.00	40.64	360.10	151.27	80.00	1221.00	1234.00	1241.00	1301.00
	13.000	822.90	0.	822.91	341.42	200.16	184.02	167.83	0.	0.	1254.00	1272.00	0.
	13.000	822.95	.05	823.00	80.00	139.52	307.72	104.76	80.00	1221.00	1254.00	1272.00	1301.00
	74.000	830.11	0.	830.71	77.00	68.15	488.65	0.	0.	0.	1216.00	1238.00	0.
	74.000	830.15	.03	830.72	77.22	70.46	481.54	0.	79.00	1159.00	1216.00	1238.00	1238.00
	741.000	830.40	0.	832.91	8.00	0.	562.00	0.	0.	0.	1217.00	1225.00	0.
	741.000	830.41	.00	832.91	8.00	0.	562.00	0.	8.00	1217.00	1217.00	1225.00	1225.00
	111.000	833.57	0.	834.03	220.20	47.70	425.72	78.58	0.	0.	1217.00	1225.00	0.
	111.000	834.19	.62	834.61	60.00	0.	429.98	122.02	60.00	1217.00	1217.00	1225.00	1277.00
	11.000	834.07	0.	834.11	286.90	207.34	278.16	66.50	0.	0.	1215.00	1234.00	0.
	11.000	834.61	.53	834.70	60.00	160.90	391.10	0.	60.00	1174.00	1215.00	1234.00	1234.00
	10.000	835.35	0.	835.61	109.60	25.74	250.22	1.04	0.	0.	1175.00	1189.00	0.
	10.000	835.78	.43	835.99	60.00	26.88	250.12	0.	60.00	1129.00	1175.00	1189.00	1189.00

SUMMARY OF ERRORS

CAUTION SECNO= 731.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 731.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA. MUDDY-W.BR. ARCHDALE
PROFILE NO. 2

FLOODWAY AREA

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
17.000 A	50.	180.	4.4	784.6	784.2	.4
16.000 B	80.	283.	2.8	793.1	792.1	1.0
15.000 C	80.	187.	3.8	803.2	802.7	.5
73.000 D	69.	189.	2.9	818.8	817.9	.9
731.000 E	80.	131.	4.2	821.0	821.2	-.2
[illegible]	80.	253.	2.2	822.6	822.8	-.2
13.000 F	80.	462.	1.2	822.9	822.9	0.
74.000 G	77.	130.	4.2	830.1	830.1	0.
741.000 H	8.	44.	12.7	830.4	830.4	0.
[illegible]	60.	202.	2.7	834.2	833.6	.6
11.000 I	60.	299.	1.8	834.6	834.1	.5
10.000 J	60.	104.	2.7	835.7	835.3	.4