

11:33:34

PROFILES

zone)

Muddy
Creek - West
Tributary

0.
0.
0.
1200.000
1295.000
1401.000
0.
0.
1211.000
1400.000

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

 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	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-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	IHLER	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	402.200	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

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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	814.300	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.

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	822.500	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	1500.000	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	1236.000	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.
SH	.900	1.870	2.600	0.	5.130	.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 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	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	783.800	0.
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

HLCO = 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

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	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	4.	0.	0.	0.	0.	0.	0.	784.200	0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

IHQ = 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 11:33:58

MEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
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	0	WSEL	FQ
	-10.	5.	0.	0.	0.	0.	0.	0.	786.000	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	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 REACH. SEE DOCUMENTATION FOR
DETAILS.

THIS RUN EXECUTED 03/13/79 11:34:01

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

PROFILES

36
 77
 84
 117-7860

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

MUDDY-W. BR. ARCHOALE

SUMMARY PRINTOUT

SECNO	0	CWSEL	CRWS	EG	ELMIN	10K*S	K*CHSL	TOPWID	AREA	TELMX	XLBEL	RREL	
	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
B	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
	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
	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	173.68	176.85	830.30	817.60	817.00
D	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
	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	874.00	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
*	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
F	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
	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

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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	CRWS	FG	ELMIN	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	63.88	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

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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	4.75	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	198.86	214.63	.44	.44	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	7.49	1113.05	1432.32	75.00	3.00	.01
13.000	209.16	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.	643.75	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	1.67
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

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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 14:19:22

Multiple zones

 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	IPLT	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	IHLEO	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	797.900	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	785.500	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.

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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
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	814.300	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.

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
SR	.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	830.470	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.
SR	.900	1.870	2.500	0.	5.430	.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	5.900	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.

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NC 0. 0. .053 .100 .300 0. 0. 0. 0. 0.

XI	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.

XI	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.

IHLQ = 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 14139158

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-N. BR. ARCHDALE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.	0.	0.	0.	783.800	0.
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IHW	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	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.	0.	0.	0.	784.200	0.
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

IHL0Q = .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 14140107

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	INO	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FO
	-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.

IHLER = 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	SFCNO=	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	SFCNO=	0.	PROFILE= 4	HYDRAULIC JUMP D.S.

Handwritten scribble

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

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

ZONE DATA

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10%	2%	0.2%
17.000 <i>A</i>	0.	-1.20	-.40	1.80
16.000 <i>B</i>	1400.	-1.42	-.41	.55
15.000 <i>C</i>	2650.	-1.00	-.26	.68
73.000 <i>D</i>	4650.	-.85	-.27	.55
731.000 <i>E</i>	4800.	-3.56	-1.52	.64
131.000	4850.	-4.70	-.53	.54
13.000 <i>F</i>	4925.	-3.52	-.51	.58
74.000 <i>G</i>	6200.	-1.72	-.45	.89
741.000 <i>H</i>	6293.	-1.43	-.28	3.43
111.000	6356.	-4.12	-.39	1.08
11.000 <i>I</i>	6399.	-4.02	-.44	.97
10.000 <i>J</i>	6874.	-2.05	-.43	.85
WEIGHTED AVG FOR REACH		-1.65	-.39	.81

FHF FOR THE REACH = 0.15 WITH 39.9% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = (A 3) 0.6514

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10%	1%	DIFF.			
	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

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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.

FLEVAION DIFFERENCE
BETWEEN BASE FLOOD AND
10% 2% 0.2%

WEIGHTED AVG FOR REACH -1.26 -.36 .77

FHE FOR REACH 1 = .915 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.

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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

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

FHF FOR REACH 2 = 025 WITH 97.8 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			WTD. AVG.	FHF	PERCENT WITHIN
		10%	1%	DIFF.			
	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.
	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	5015.	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	-1.39	015	81.

FLEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH 10% 2% 0.2%

FHF FOR REACH 1 = 015 WITH 81.4% 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.

FLEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH 10% 2% 0.2%

FHF FOR REACH 2 = 025 WITH 100.0% 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

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ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

10% 2% 0.2%

WEIGHTED AVG FOR REACH -2.54 -.44 1.07

FHE FOR REACH 3 = 025 WITH 98% OF THE REACH WITHIN 1.0 FEET

ZONE FOR THE REACH = A 5

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

Final
(Floodway)

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

T1 FTS 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	WSFL	FO
	0.	2.	0.	0.	0.	0.	0.	0.	784.200	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	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	NUMSFC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.	0.	0.	0.	0.	0.	0.	0.
J4	IHLFO	ICOPY								
	1.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
NC	.126	.126	.053	.100	.300	0.	0.	0.	0.	0.
QT	3.000	783.000	783.000	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	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.
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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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
OT	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	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.
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.
RT	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.
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	819.900	1334.000	819.800	1345.000	820.900	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	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.
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	836.700	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

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GR	843.500	1464.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
SR	.900	1.870	2.600	0.	5.330	.100	32.000	0.	0.	0.	0.
ET	0.	0.	9.110	0.	0.	0.	0.	0.	0.	1217.000	1277.000

X1	111.000	0.	0.	0.	63.000	63.000	63.000	0.	0.	0.	0.
X2	0.	0.	1.000	830.970	832.630	0.	1.000	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	832.630	832.630	0.	0.
RT	5.000	1000.000	836.700	836.700	1217.000	832.630	824.970	1221.000	832.630	830.970	0.
HT	1225.000	832.630	824.970	1464.000	843.500	843.500	0.	0.	0.	0.	0.
NC	0.	0.	.053	.100	.300	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	0.	0.	0.	0.	0.	1174.000	1234.000

X1	11.000	15.000	1215.000	1214.000	43.000	43.000	43.000	0.	0.	0.	0.
GR	835.900	1000.000	834.600	1032.000	832.100	1100.000	831.200	1180.000	830.500	1200.000	0.
GR	829.600	1215.000	826.800	1221.000	824.800	1226.000	826.000	1228.000	831.700	1234.000	0.
GR	832.100	1244.000	832.300	1300.000	834.700	1345.000	837.400	1400.000	844.900	1464.000	0.
QT	3.000	277.000	277.000	277.000	0.	0.	0.	0.	0.	0.	0.
ET	0.	0.	9.100	0.	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.	0.
GR	843.700	1000.000	834.500	1100.000	835.100	1175.000	829.800	1178.000	829.500	1181.000	0.
GR	829.800	1184.000	834.800	1189.000	835.300	1198.000	835.300	1200.000	845.000	1275.000	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

IHLFO = 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 CWSL= 784.20

STA=	1255.	1279.	1295.	1306.	1311.	1379.	1385.
PER Q=	.8	51.6	8.7	6.5	31.8	.5	
AREA=	9.7	66.8	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 CWSL= 792.13

STA=	1281.	1300.	1344.	1359.	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 CWSL= 802.65

STA=	1188.	1200.	1300.	1312.	1400.	1408.
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 CWSL= 817.90

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STA=	1313.	1326.	1352.	1400.	1500.	1529.
PER Q=	.1	41.1	18.7	39.0	1.2	0.
AREA=	2.0	63.7	84.0	175.1	13.1	
VEL=	.2	3.6	1.2	1.2	.5	

FLOW DISTRIBUTION FOR SECNO= 731.00 CWSSEL= 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 CWSSEL= 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 CWSSEL= 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	
VFL=	.3	.5	1.4	.5	.4	.3	.3	.3	.2	

FLOW DISTRIBUTION FOR SECNO= 74.00 CWSSEL= 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 CWSSEL= 830.40

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

FLOW DISTRIBUTION FOR SECNO= 111.00 CWSSEL= 833.57

STA=	1089.	1100.	1200.	1217.	1225.	1300.	1333.
PER Q=	.1	4.4	4.2	77.3	14.2	.1	
AREA=	2.0	52.3	29.5	54.8	111.6	1.8	
VEL=	.2	.4	.8	6.2	.7	.2	

FLOW DISTRIBUTION FOR SECNO= 11.00 CWSSEL= 834.07

STA=	1096.	1100.	1140.	1200.	1215.	1234.	1244.	1300.	1333.
PER Q=	2.4	18.	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

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--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	IPLQT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

THLEQ = 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

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	256.38	300.05	30.00	.07	8.27	822.51	6.22	822.90
111.000	832.48	830.97	839.04	832.63	357.54	194.82	30.00	.41	8.60	833.57	6.19	834.03
111.000	832.98	830.97	839.05	832.63	384.81	168.87	30.00	.41	9.22	834.19	5.82	834.61

MUDDY-W. RR. ARCHDALE

SUMMARY PRINTOUT TABLE 105

SECNO	CWSEL	HL	OLOSS	TOPWID	QLOH	QCH	QROH
73.000	817.90	14.82	.04	216.11	4.47	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	1.70	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.

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MUDDY-W.BR. ARCHDALE

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOA	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	188.46	375.08	391.13	16.80	0.	0.	1437.00	1454.00	0.
16.000	793.12	.99	793.40	80.00	214.51	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	483.85	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.	552.00	0.	0.	0.	1217.00	1225.00	0.
741.000	830.41	.00	832.91	8.00	0.	552.00	0.	8.00	1217.00	1217.00	1225.00	1225.00
111.000	833.57	0.	834.03	220.20	47.70	425.72	78.53	0.	0.	1217.00	1225.00	0.
111.000	834.19	.62	834.61	60.00	0.	429.94	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

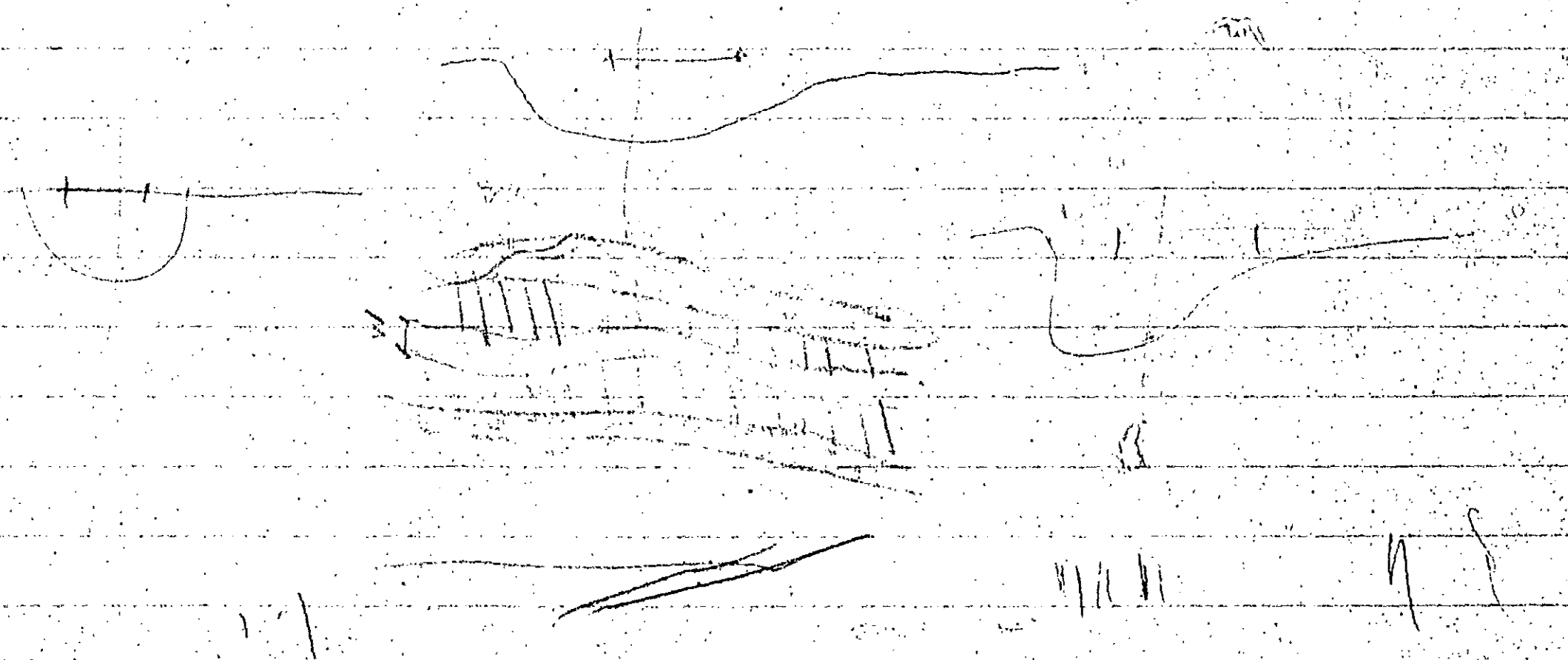
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FLOODWAY DATA, MUDDY-W.RR. ARCHDALE
 PROFILE NO. 2

FLOODWAY AREA

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	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
121.000	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.
112.000	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

Handwritten notes:
 1. 10' wide
 2. 10' wide



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