

THERE IS ADDITIONAL DATA FOR THIS
STUDY WHICH BELONGS IN THIS SECTION
THAT COULD NOT BE MICROFILMED DUE
TO THE POOR QUALITY OF THE ORIGINAL

SEE "NON-FILMABLE INDEX MATERIAL"
FILE FOR THIS INFORMATION

MUDDY CREEK
MUDDY CREEK EAST BRANCH

MURRAY CROOK

WEST BRANCH

GR	785.500	1437.000	785.600	1440.000	746.500	1445.000	747.000	1451.000	743.500	1454.000
GR	797.100	1500.000	804.100	1530.000	0.	0.	0.	0.	0.	0.
OT	4.000	295.000	555.000	703.000	1121.000	0.	0.	0.	0.	0.
X1	15.000	10.000	1300.000	1312.000	1250.000	1250.000	1250.000	1250.000	1250.000	0.
GR	413.200	1000.000	806.600	1100.000	802.100	1200.000	801.300	1300.000	704.900	1302.000
GR	797.000	1305.000	797.500	1309.000	801.100	1312.000	801.700	1400.000	814.300	1500.000
OT	4.000	227.000	431.000	552.000	874.000	0.	0.	0.	0.	0.
X1	73.000	15.000	1326.000	1352.000	2000.000	2000.000	2000.000	2000.000	0.	0.
GR	832.000	1000.000	825.400	1100.000	821.100	1200.000	818.200	1300.000	817.400	1324.000
GR	814.400	1339.000	814.300	1393.000	814.500	1347.000	817.000	1352.000	815.300	1400.000
UP	817.000	1500.000	820.100	1600.000	821.000	1700.000	822.000	1800.000	810.300	1900.000
NC	0.	0.	0.025	0.300	0.500	0.	0.	0.	0.	0.
X1	731.000	15.000	1234.000	1241.000	150.000	150.000	150.000	150.000	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	411.500	1000.000	426.500	1100.700	422.400	1200.000	418.500	1234.000	414.500	1234.000
GR	414.240	1274.000	414.240	1241.000	414.500	1241.000	420.500	1274.000	420.400	1300.000
GR	820.500	1400.000	822.500	1500.000	825.000	1600.000	827.700	1700.000	822.400	1740.000
SR	1.900	1.740	2.600	0.	7.000	0.100	30.450	0.	0.	0.
X1	331.000	0.	0.	0.	50.000	50.000	50.000	50.000	0.	0.
X2	0.	0.	1.000	818.500	421.230	0.	1.000	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
AT	4.000	1000.000	831.500	431.500	1234.000	821.230	418.500	1241.000	421.230	814.500
BT	170.000	824.400	824.400	0.	0.	0.	0.	0.	0.	0.
NC	0.	0.	0.053	0.100	0.300	0.	0.	0.	0.	0.
X1	13.000	15.000	1254.000	1272.000	75.000	75.000	75.000	75.000	0.	0.
GR	411.500	1000.000	423.000	1100.000	414.300	1200.000	414.500	1254.000	415.200	1254.000
GR	414.700	1253.000	414.400	1247.000	417.500	1272.000	414.500	1300.000	414.500	1321.000
GR	819.900	1334.000	819.800	1345.000	820.900	1400.000	825.500	1500.000	821.900	1500.000
X1	74.000	14.000	1216.000	1236.000	1275.000	1275.000	1275.000	1275.000	0.	0.
GR	815.800	1000.000	835.800	1010.000	832.500	1100.000	828.400	1200.000	822.100	1207.000
GR	829.000	1216.000	824.800	1222.000	824.800	1226.000	824.800	1224.000	831.300	1224.000
GR	831.800	1300.000	834.900	1410.000	835.000	1404.000	843.500	1464.000	0.	0.
NC	0.	0.	0.025	0.300	0.500	0.	0.	0.	0.	0.
X1	741.000	11.000	1217.300	1225.000	91.000	93.000	93.000	93.000	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	836.700	1000.000	833.200	1100.000	812.700	1200.000	830.170	1217.000	824.070	1217.000
GR	824.970	1221.000	824.970	1225.000	810.970	1225.000	813.700	1300.000	817.100	1400.000
GR	843.500	1464.000	0.	0.	0.	0.	0.	0.	0.	0.
SM	1.470	1.470	2.600	0.	5.130	0.100	32.000	0.	0.	0.

X1	111.000	0.	0.	0.	430.970	53.000	63.000	43.000	0.	0.	0.	0.	0.
X2	0.	0.	0.	1.000	0.	432.630	0.	1.000	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
HT	5.000	1000.000	0.	0.	836.700	1217.000	812.630	824.970	1221.000	832.630	0.	0.	0.
HI	1225.000	832.630	0.	0.	1464.000	843.500	843.500	0.	0.	0.	0.	0.	0.
HC	0.	0.	0.	0.053	0.100	0.300	0.	0.	0.	0.	0.	0.	0.
X1	11.000	15.000	1215.000	1215.000	1234.000	43.000	43.000	43.000	0.	0.	0.	0.	0.
GR	535.900	1000.000	834.600	834.600	1032.000	432.100	431.000	431.000	1140.000	830.500	1200.000	0.	0.
GM	829.600	1215.000	826.800	826.800	1221.000	824.800	826.000	826.000	1228.000	831.700	1274.000	0.	0.
GM	832.100	1244.000	832.300	832.300	1300.000	834.700	837.400	837.400	1400.000	844.900	1444.000	0.	0.
GT	4.000	109.000	214.000	214.000	277.000	450.000	0.	0.	0.	0.	0.	0.	0.
X1	10.000	10.000	1175.000	1175.000	1149.000	475.000	475.000	475.000	0.	0.	0.	0.	0.
GM	843.700	1000.000	834.500	834.500	1100.000	815.100	1175.000	829.800	1178.000	829.500	1141.000	0.	0.
GM	829.800	1184.000	834.800	834.800	1189.000	835.300	1194.000	835.300	1200.000	845.000	1275.000	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

 HEC2 RELEASE DATED NOV 74 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50.51.52.53

THIS RUN EXECUTED 07/13/79 11:31:48

1) FIS RANDOLPH CO. N.C. 11-R-78
 12 50 YR NATURAL AND FLOOD ZONE TABLE P01
 13 MUDDY-W. BR. ARCHDALE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVIMS	Q	ASEL	FJ
	-10.	3.	0.	0.	1	0.	0.	0.	783.808	0.
J2	NRWOF	IPLOT	PPFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

 HEC2 RELEASE (DATE) NOV 76 UPDATED AUG1977
 ERROR CORR - 01.02
 MODIFICATION - 50:51.52.53

THIS RUN EXECUTED 03/17/79 11:33:53

11 FIS WANDOLPH CO. N.C. 11-8-78
 12 100 YR NATURAL AND FLOOD ZONE TABLE 201
 13 MUDDY-W. RR. ARCHDALE
 J1 ICHECK INO NINW IDIR STPT METRIC HVINS O *SFL FQ
 -10. 4. 0. 0. 0. 0. 0. 0. 784.200 0.
 J2 NPROF IPLOT PRFVS XSECV XSECH FI ALLOC 18W CRNIM ITRACE
 3.000 0. 0. 0. 0. 0. 0. 0. 0. 0.

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

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

THIS RUN EXECUTED 07/13/79 11:13:54

T1	FIS RANDOLPH CO. N.C. 11-6-7A													
T2	500 YD NATURAL AND FLOOD ZONE TABLE 201													
T3	MUDDY-W. BR. ARCHDALE													
J1	ICHECK	IRU	NINW	INPW	STRT	MT9IC	HVINS	Q	WSL	FO				
	-10.	5.	0.	0.	0.	0.	0.	0.	786.000	0.				
J2	IPROF	IPLOT	PAFVS	KSECV	KSECH	FW	ALLDC	IRW	CHNIM	ITPACE				
	15.000	0.	0.	0.	0.	0.	0.	0.	0.	0.				

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

 HQCC RELEASE DATED NOV 76 UPDATED AUG1977
 FROM CORR - 01.02
 MODIFICATION - 5051-5253

THIS RUN FATTURED 07/13/79 11:34:01

PROFILES

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

INDY-W. HQ. ARCHMIDLE

SUMMARY PRINTOUT

SECTION	Q	CSSL	CHWS	FG	FLMIN	LOFES	RECSL	TOTWID	DATA	TELEX	KLPTL	WHS
A	17.000	327.00	743.00	0.	743.24	777.40	76.43	58.17	140.44	745.40	743.40	741.40
A	17.000	714.00	743.40	0.	744.10	777.40	46.44	114.34	214.36	745.40	743.40	741.40
A	17.000	743.00	744.20	0.	744.52	777.40	95.45	116.04	247.45	745.40	743.40	741.40
A	17.000	1240.00	746.00	0.	746.18	777.40	40.40	214.00	574.45	745.40	743.40	741.40
B	15.000	327.00	740.71	0.	740.47	745.60	41.71	140.01	140.41	402.40	730.50	730.40
B	15.000	614.00	741.72	0.	741.44	745.60	38.44	171.20	136.14	402.40	730.50	730.40
B	15.000	743.00	742.13	0.	742.30	745.60	5.47	144.46	410.42	402.40	730.50	730.40
B	15.000	1240.00	742.64	0.	742.93	745.60	55.33	211.19	514.30	402.40	730.50	730.40
C	15.000	295.00	401.65	400.55	402.24	746.90	138.18	137.84	74.94	413.20	401.10	401.10
C	15.000	555.00	402.39	402.34	402.44	746.90	9.04	21.49	211.40	413.20	401.10	401.10
C	15.000	704.00	402.65	0.	403.14	746.90	4.04	219.70	247.37	413.20	401.10	401.10
C	15.000	1123.00	403.33	0.	403.73	746.90	9.04	240.04	422.65	413.20	401.10	401.10
D	73.000	227.00	417.06	0.	417.13	414.30	50.71	173.64	176.45	430.30	417.40	417.00
D	73.000	431.00	417.63	0.	417.71	414.30	51.67	195.07	242.23	430.30	417.40	417.00
D	73.000	479.00	417.90	0.	417.99	414.30	51.34	214.11	337.44	430.30	417.40	417.00
D	73.000	479.00	417.66	0.	414.54	414.30	54.29	255.90	469.56	430.30	417.40	417.00
E	711.000	227.00	417.69	0.	419.06	414.24	120.01	7.00	24.13	423.40	414.59	414.59
E	711.000	431.00	419.73	419.73	419.50	414.24	100.42	37.64	55.04	423.40	414.59	414.59
E	711.000	557.00	421.25	421.25	421.97	414.24	40.10	245.91	280.30	423.40	414.59	414.59
E	711.000	479.00	421.64	421.64	422.45	414.24	47.25	243.61	404.10	423.40	414.59	414.59
F	131.000	227.00	418.08	1.0.	419.13	414.24	90.05	7.00	26.42	423.40	414.59	414.59
F	131.000	431.00	422.25	0.	422.37	414.24	7.54	244.01	506.52	423.40	414.59	414.59
F	131.000	557.00	422.74	0.	422.44	414.24	7.02	314.14	665.62	423.40	414.59	414.59
F	131.000	479.00	423.33	0.	423.46	414.24	10.35	351.65	467.26	423.40	414.59	414.59
F	13.000	227.00	419.38	0.	419.43	414.40	10.42	141.27	221.45	423.40	414.59	417.40
F	13.000	431.00	422.39	0.	422.40	414.40	1.64	314.27	452.25	423.40	414.59	417.40
F	13.000	557.00	422.90	0.	422.91	414.40	1.91	341.42	1122.34	423.40	414.59	417.40

74,000	279.00	823.49	0.	823.51	814.40	2.94	2.13	361.05	1324.29	829.90	814.90	817.60
74,000	227.00	828.39	0.	828.39	824.60	135.51	8.00	16.65	41.27	835.80	829.00	831.30
74,000	531.00	829.66	0.	830.72	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	127.52	835.80	829.00	831.30
74,000	479.00	831.00	0.	831.68	824.60	122.13	8.00	99.38	205.50	835.80	829.00	831.30

SI CNO	Q	CMSL	CRIPS	FG	ELMFI	10K*S	K*CHSL	TOPRID	AREA	TFLMX	XLRFI	WFLI
741.600	227.00	A28.98	0.	A29.76	A24.97	56.25	3.98	4.00	32.06	A36.70	A30.97	A39.97
741.000	431.00	A30.13	0.	A31.82	A24.97	104.57	3.98	4.00	41.26	A36.70	A30.97	A39.97
741.000	552.00	A30.40	0.	A32.91	A24.97	149.94	3.98	4.00	43.48	A36.70	A30.97	A39.97
741.000	479.00	A33.43	A33.43	A36.71	A24.97	41.26	3.98	234.27	334.93	A36.70	A30.97	A39.97
111.000	227.00	A29.45	0.	A30.07	A24.97	41.49	0.	4.00	35.81	A36.70	A30.97	A39.97
111.000	431.00	A33.14	0.	A33.60	A24.97	18.30	0.	194.34	192.84	A36.70	A30.97	A39.97
111.000	552.00	A33.57	0.	A36.03	A24.97	20.85	0.	220.20	275.94	A36.70	A30.97	A39.97
111.000	479.00	A34.65	0.	A35.01	A24.97	19.06	0.	274.69	545.10	A36.70	A30.97	A39.97
11.000	227.00	A30.04	0.	A30.36	A24.97	77.23	-3.95	26.61	51.74	A36.90	A29.60	A31.70
11.000	431.00	A33.63	0.	A33.67	A24.97	6.05	-3.95	266.77	531.64	A36.90	A29.60	A31.70
11.000	552.00	A34.07	0.	A36.11	A24.97	6.40	-3.95	246.90	652.93	A36.90	A29.60	A31.70
11.000	479.00	A35.05	0.	A35.09	A24.97	6.75	-3.95	331.02	953.65	A36.90	A29.60	A31.70
10.000	109.00	A33.30	0.	A33.48	A29.50	56.87	9.49	11.48	31.46	A41.70	A35.10	A34.20
10.000	214.00	A34.92	0.	A35.16	A29.50	54.09	9.49	72.34	61.88	A41.70	A35.10	A34.20
10.000	277.00	A35.35	0.	A35.61	A29.50	53.78	9.49	104.50	105.96	A41.70	A35.10	A34.20
10.000	450.00	A36.20	0.	A36.44	A29.50	47.59	9.49	125.32	205.27	A41.70	A35.10	A34.20

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QUDDY-W. BR. 44CHDALE
SUMMARY PRINTOUT

STCNO	DLGH	ORU4	OCH	VIOR	VROR	VCH	DEPTH	SSTA	ENUST	XLCH	DFWSP	AV
17.000	5.96	103.92	223.04	0.	1.20	4.65	5.20	1270.43	1340.15	0.	0.	.24
17.000	6.09	270.26	342.77	.40	1.72	5.64	6.00	1266.85	1341.23	0.	.80	.30
17.000	42.13	372.75	404.16	.63	1.95	6.05	6.40	1254.89	1382.77	0.	.40	.32
16.000	91.62	668.43	479.44	.90	1.79	5.02	6.20	1200.00	1414.00	0.	1.80	.14
14.000	242.34	1.94	234.43	.79	.51	3.75	5.11	1311.82	1440.83	1400.00	0.	.14
14.000	175.04	10.43	339.23	1.04	.76	4.27	6.12	1295.79	1466.99	1400.00	1.01	.14
16.000	654.51	16.80	391.13	1.23	.85	4.52	6.53	1281.07	1449.53	1400.00	.41	.17
15.000	3.56	33.64	551.85	1.66	1.15	5.77	7.08	1261.68	1472.87	1400.00	.55	.25
15.000	72.71	13.59	277.84	.44	.59	6.32	4.75	1255.11	1392.00	1250.00	0.	.54
15.000	124.24	117.50	364.40	1.04	1.12	6.92	5.49	1193.56	1405.47	1250.00	.74	.50
15.000	301.04	175.94	405.74	1.24	1.55	7.27	5.75	1147.82	1407.52	1250.00	.26	.44
73.000	0.	345.15	479.40	1.64	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	2.74	1328.20	1501.48	2000.00	0.	.07
73.000	4.68	9.76	416.76	.81	1.08	3.30	3.13	1324.57	1520.34	2000.00	.57	.08
73.000	26.90	130.51	226.83	.90	.76	3.56	3.60	1312.96	1520.06	2000.00	.27	.04
73.000	41.78	330.89	324.00	.56	1.44	4.20	4.16	1291.12	1547.02	2000.00	.55	.12
73.000	0.	0.	227.00	0.	0.	9.41	3.45	1214.00	1241.00	150.00	0.	1.37
73.000	4.68	9.76	416.76	.81	.91	10.34	5.49	1224.32	1262.01	150.00	2.05	1.77
73.000	26.90	130.51	226.83	.90	.76	8.05	7.01	1211.47	1437.34	150.00	1.52	.72
73.000	52.11	330.89	496.00	1.11	1.07	9.24	7.65	1206.00	1469.61	150.00	.84	.74
131.000	0.	0.	227.00	0.	0.	8.44	3.64	1236.80	1241.00	50.00	0.	1.11
131.000	27.51	148.46	214.63	.64	.44	3.43	4.01	1202.96	1447.54	50.00	.17	.12
131.000	32.09	283.11	223.40	.52	.53	3.44	4.54	1195.24	1511.40	50.00	.51	.10
131.000	64.42	500.04	309.10	.74	.73	4.46	4.04	1141.39	1534.04	50.00	.54	.13
13.000	54.60	18.41	151.59	.52	.42	2.15	4.94	1177.12	1314.30	75.00	0.	.04
13.000	154.13	121.21	154.64	.35	.11	1.25	7.99	1113.05	1442.12	75.00	1.00	.01
13.000	209.16	157.83	144.02	.34	.35	1.37	8.50	1102.10	1444.51	75.00	.51	.01
13.000	324.65	244.30	244.05	.54	.49	1.45	9.09	1092.24	1456.23	75.00	.54	.02
74.000	0.	0.	227.00	0.	0.	5.50	3.74	1216.47	1231.52	1275.00	0.	.47
74.000	30.65	0.	400.35	.94	0.	6.20	5.06	1159.96	1234.44	1275.00	1.27	.56
74.000	64.15	0.	483.44	1.24	0.	6.54	5.51	1159.14	1236.14	1275.00	.45	.53
74.000	195.24	0.	643.75	1.72	0.	7.64	6.40	1134.15	1237.53	1275.00	.89	.64
741.000	0.	0.	227.00	0.	0.	7.04	4.01	1217.00	1225.00	93.00	0.	.74
741.000	0.	0.	431.00	0.	0.	10.44	5.16	1217.00	1225.00	93.00	2.15	1.44
741.000	0.	0.	452.00	0.	0.	12.70	5.63	1217.00	1225.00	93.00	.24	2.50
741.000	104.09	145.72	629.19	.41	1.07	8.47	4.44	1041.84	1114.21	93.00	3.43	.44
111.000	0.	0.	227.00	0.	0.	6.33	4.44	1217.00	1225.00	93.00	0.	.62

111.000	14.32	44.04	366.64	.40	.54	5.52	4.21	1104.67	1244.18	43.00	1.73	.42
111.000	47.70	78.54	425.72	.51	.59	6.19	4.60	1049.36	1304.55	41.00	.34	.64
111.000	186.34	196.94	495.66	.75	.38	6.40	9.44	1054.53	1337.22	41.00	1.04	.34
11.000	.01	0.	226.33	.74	0.	4.52	5.24	1207.65	1232.25	43.00	0.	.32
11.000	144.07	40.62	241.33	.50	.35	2.05	4.23	1052.25	1325.03	43.50	1.59	.04
11.000	207.34	66.50	278.16	.56	.43	2.22	4.27	1044.34	1333.24	43.00	.44	.04
11.000	372.34	147.30	349.34	.74	.56	2.50	10.29	1021.03	1352.04	43.00	.37	.04

SECDNO	ULDR	DRDB	GCH	VLOM	VRDR	VCH	DEPTM	SSTA	ENDST	KLDM	DIFWSP	HV
10.000	0.	0.	100.00	0.	0.	3.47	1.80	1174.02	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	.17	4.30	5.85	1048.78	1200.37	475.00	.43	.26
10.000	117.45	11.96	320.58	.94	.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 0.5.
 CAUTION SECNO= 131.000 PROFILE= 4 HYDRAULIC JUMP 0.5.
 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 0.5.
 CAUTION SECNO= 111.000 PROFILE= 4 HYDRAULIC JUMP 0.5.

 HFC2 RELEASE DATED NOV 76 UPDATED AUG1977
 EQUIP CORR - 01.02
 MODIFICATION - 50.51.52.53

THIS RUN EXECUTED 07/14/75 14110:22

Multiple zones

T1 F15 RANDOLPH CO. N.C. 11-7-78
 T2 19 YR NATURAL AND FLOOD ZONE TABLE 201
 T3 MIDDY-W. BR. ARCHDALE

J1 TRUCK INU NITV INDR STRT MFRIC HVINS Q *SFI FQ
 -1. 2. 0. 0. 0. 0. 0. 743.000 0.
 J2 NUBBF PLOT PAFVS XSFV XSEFM FH ALLO JHL CHNIM TRACE
 1.000 0. -1.000 0. 0. 0. 0. 0. 0. 0.
 J3 VARIABLE CODES FOR SUMMARY PRINTOUT
 202.000 46.000 50.000 203.000 47.000 50.000 50.000 0. 0. 0.
 J4 UNIT DIMSEC *****
 J5 IMKLP ICOPY 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

NC 1.000 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 OT 4.000 327.000 616.000 743.000 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 1010.000 801.800 1009.000 795.000 1100.000 792.500 1172.000 745.000 1200.000
 GR 743.600 1279.000 774.800 1284.000 777.400 1286.000 778.500 1290.000 743.600 1295.000
 GR 774.900 1306.000 781.700 1311.000 782.700 1379.000 785.300 1369.000 782.500 1401.000
 GR 745.600 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 1400.000 0. 0.
 GR 802.000 1000.000 795.500 1100.000 792.500 1164.000 796.700 1200.000 744.100 1211.000
 GR 791.600 1300.000 784.300 1366.000 791.500 1359.000 789.100 1373.000 742.800 1400.000
 GR 790.500 1437.000 745.600 1440.000 744.500 1465.000 767.000 1451.000 742.600 1454.000
 GR 797.100 1500.000 804.100 1530.000 0. 0. 0. 0. 0. 0.
 OT 4.000 295.000 555.000 704.000 1127.000 0. 0. 0. 0. 0.

X1 15.000 10.000 1300.000 1312.000 1250.000 1250.000 1250.000 0. 0. 0.

600 413,200 1800,000 406,500 1100,000 402,100 1200,000 401,300 1300,000 755,000 1302,000
 605 797,000 1305,000 797,500 1309,000 401,100 1312,000 401,700 1400,000 415,700 1500,000
 01 4,000 227,000 431,000 552,000 409,000 0. 0. 0. 0. 0.

X1 73,000 15,000 1325,000 1352,000 2000,000 2000,000 2600,000 1300,000 0. 0.
 G2 432,000 1000,000 425,400 1100,000 421,100 1200,000 418,200 1300,000 417,400 1324,000
 G3 414,400 1339,000 414,400 1343,000 414,500 1347,000 417,000 1352,000 415,300 1400,000
 G4 417,000 1500,000 420,100 1600,000 421,000 1700,000 424,000 1400,000 410,700 1900,000
 HC 0. 0. 0. 300 0.500 0. 0. 0. 0. 0.

X1 711,000 15,000 1234,000 1241,000 150,000 150,000 150,000 0. 0. 0.
 X3 14,000 0. 0. 0. 0. 0. 0. 0. 0. 0.
 G2 431,500 1000,000 426,500 1100,000 422,400 1200,000 414,500 1274,000 418,500 1274,000
 G4 414,240 1238,000 414,240 1241,000 418,590 1241,000 420,400 1278,000 420,400 1300,000
 G2 420,500 1400,000 422,500 1500,000 425,000 1600,000 427,700 1700,000 429,400 1760,000
 SH 900 1,740 2,500 0. 7,000 0. 30,450 0. 0. 0.

X1 131,000 0. 0. 0. 40,000 50,000 50,000 0. 0. 0.
 X2 0. 0. 1,000 414,500 421,230 0. 1,000 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 0. 0. 0.
 H1 4,000 1000,000 431,500 441,500 1234,000 421,230 414,500 1241,000 421,230 414,500
 H2 1740,000 429,400 429,400 0. 0. 0. 0. 0. 0. 0. 0.
 HC 0. 0. 0. 100 0.300 0. 0. 0. 0. 0.

X1 13,000 15,000 1254,000 1272,000 75,000 75,000 75,000 0. 0. 0.
 G2 431,500 1000,000 421,500 1100,000 418,300 1200,000 416,400 1254,000 415,200 1259,000
 G4 414,700 1263,000 414,400 1267,000 417,400 1272,400 418,500 1300,000 419,500 1321,000
 G2 419,900 1334,000 419,900 1745,000 420,900 1400,000 425,500 1500,000 420,900 1400,000

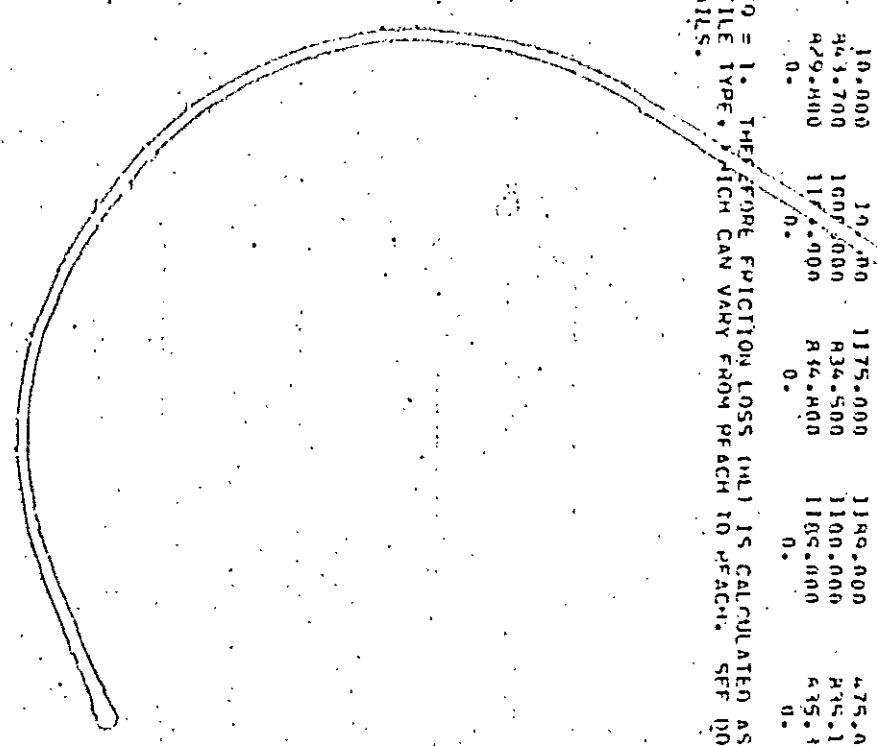
X1 74,000 14,000 1215,000 1234,000 1275,000 1275,000 1275,000 0. 0. 0.
 G2 435,400 1000,000 435,500 1410,000 432,400 1100,000 429,400 1200,000 429,400 1207,000
 G4 429,400 1215,000 424,400 1222,000 424,400 1226,000 424,400 1228,000 424,400 1274,000
 G2 431,400 1300,000 434,900 1400,000 435,000 1404,000 443,600 1444,000 0. 0.
 HC 0. 0. 0. 300 0.500 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. 0. 0. 0.
 G2 416,000 1500,000 433,200 1100,000 432,400 1200,000 430,970 1217,000 430,970 1217,000
 G4 424,970 1271,000 424,970 1275,000 430,970 1225,000 433,200 1300,000 432,100 1400,000
 SH 443,500 1464,000 0. 0. 0. 0. 0. 0. 0. 0.

X1 111,000 0. 0. 0. 43,000 43,000 43,000 0. 0. 0.
 X2 0. 0. 1,000 410,470 432,430 0. 1,000 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 0. 0. 0.
 H1 5,000 1000,000 434,700 414,700 1217,000 432,430 424,970 1221,000 432,430 430,970
 H2 1225,000 432,430 424,970 1444,000 443,500 441,500 0. 0. 0.

NC	0.	0.	0.051	0.100	0.100	0.	0.	0.	0.	0.	0.
X1	11.000	15.000	1215.000	1236.000	43.000	43.000	0.	0.	0.	0.	0.
GB	435.900	1000.000	834.600	1032.000	432.100	1100.000	43.000	1140.000	430.500	1200.000	0.
GM	429.600	1215.000	46.800	1221.000	424.400	1224.000	424.000	1224.000	431.700	1234.000	0.
GN	432.100	1244.000	832.300	1300.000	434.700	1345.000	437.400	1402.000	444.500	1444.000	0.
GT	4.000	104.000	214.000	277.000	450.000	0.	0.	0.	0.	0.	0.
A1	10.000	10.000	1175.000	1189.000	475.000	475.000	475.000	0.	0.	0.	0.
GA	443.700	1000.000	834.500	1100.000	435.100	1175.000	429.400	1178.000	429.500	1181.000	0.
GB	429.400	1175.000	46.800	1105.000	435.100	1198.000	435.300	1200.000	445.000	1275.000	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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



 MESSAGE DATED NOV 74 UPDATED AUG1977
 FROM CORR - 01.02
 MODIFICATION - 50,51,52,53

THIS RUN EXECUTED 07/14/79 14:30:54

	IC-FCM	IND	NIRV	IDIR	SIRT	METRIC	HVINS	Q	WSFL	FQ
T1										
T2										
T3										
J1	IC-FCM	IND	NIRV	IDIR	SIRT	METRIC	HVINS	Q	WSFL	FQ
	-19.	3.	0.	0.	0.	0.	0.	0.	783.8/0	0.
J2	IPROF	IPLDT	PPFVS	XSECV	XSECH	FN	ALLDC	IHW	GMNIM	ITWACF
	2.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.

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

 HEC2 RELEASE DATED NOV 74 UPDATED AUG1977
 FPROR CORR - .01.02
 MODIFICATION - 50,51,52,53

THIS RUN EXPENDED 07/14/79 14:40:02

T1 FIS SANDOZ PH CO. N.C. 11-8-76 T2 100 YR NATURAL AND FLOOD ZONE TABLE 201 T3 MUDDY-W. RP. ARCHDALE	J1 ICHCK -10.	IWD 4.	RINV 0.	IDIR 0.	STPT 0.	METHIC 0.	HVINS 0.	0 0.	WSFL 746.200	FD 0.
	J2 APRUP 3.000	IPLUT 0.	PPFVS -1.000	XSECV 0.	XSECH 0.	FN 0.	ALLDC 0.	TAW 0.	CNMIM 0.	ITRACE 0.

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

 HEC2 RELEASE DATE NOV 76 UPDATED AUG1977
 ERMID CORR - 01.02
 MODIFICATION - 50.51.52.53

THIS RUN RECORDED 07/14/76 1:54:07

	IN	MINV	IDIR	STRT	METRIC	HVIRS	Q	WSEL	FR	
T1	FIS RANDOLPH CO. N.C.	11-8-74								
T2	500 YR NATURAL AND FLOOD ZONE TABLE 201									
T3	MUNDY-V. RR. ARCHDALE									
J1	ICHECK	IND	MINV	IDIR	STRT	METRIC	HVIRS	Q	WSEL	FR
	-10.	5.	0.	0.	0.	0.	0.	0.	786.000	0.
J2	NPBUT	IPLOT	PEFVS	XSECV	XSECH	FR	ALLDC	IBW	CHMIN	ITRACE
	15.000	0.	-1.000	0.	0.	0.	0.	0	0.	0.

INLEO = 1. IMPROVE EROSION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM HIGH TO BEACH. SEE DOCUMENTATION FOR DETAILS.

G2 843.500 1466.600 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 S2 .900 1.270 2.500 0.0 5.330 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 F1 0.0

X1 111.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 X2 0.0
 X3 10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 X4 5.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 X5 1225.000 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630 832.630
 X6 0.0
 X7 0.0
 X8 0.0
 X9 0.0
 X10 0.0

A1 11.000 15.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000 1215.000
 A2 432.600 1000.000 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600
 A3 829.600 1215.000 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600 829.600
 A4 432.600 1246.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600 432.600
 A5 1.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000 277.000
 A6 0.0

I1 10.000 10.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000 1175.000
 I2 843.700 1060.000 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700 843.700
 I3 429.800 1146.000 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800 429.800
 I4 0.0

FLOW DISTRIBUTION FOR SECTION 17.00
 CASTLE 784.20
 STA= 1255. 1270. 1295. 1305. 1311. 1370. 1385.
 DEPTH= 0.4 51.6 4.7 4.5 31.4 5.5
 AREA= 9.7 46.4 31.6 19.5 136.9 4.3
 WFL= 26 6.1 2.2 2.4 1.8 2.9

FLOW DISTRIBUTION FOR SECTION 15.00
 CASTLE 202.65
 STA= 1291. 1300. 1306. 1350. 1373. 1400. 1417.
 DEPTH= 0.2 15.2 5.1 3.6 13.1 10.4 50.0
 AREA= 5.0 96.9 32.7 26.9 72.4 73.3 86.6
 WFL= 3 1.2 1.2 1.3 1.4 1.2 4.5

FLOW DISTRIBUTION FOR SECTION 13.00
 CASTLE 417.30
 STA= 1188. 1209. 1300. 1312. 1400. 1404.
 DEPTH= 0.1 11.6 57.3 26.6
 AREA= 3.3 96.4 55.4 109.4
 WFL= 26 1.3 7.3 1.6

FLOW DISTRIBUTION FOR SECTION 11.00
 CASTLE 217.30
 STA= 1188. 1209. 1300. 1312. 1400. 1404.
 DEPTH= 0.1 11.6 57.3 26.6
 AREA= 3.3 96.4 55.4 109.4
 WFL= 26 1.3 7.3 1.6

 HFC2 BELFAST DATED NOV 7th 0904TFD AUG1977
 FORM CGM - 01.02
 MODIFICATION - 50.51.52.53

THIS RUN EXECUTED 03/16/79 01:56:20

11	FIS PANDORA CD. H.C. 12-7-78																			
12	PROGRAM--MSTHON 1																			
13	NUMBER--NR. APPROVAL																			
14	TRACK	TRD	MTW	TDW	STR	MTDIF	HYDPS	Q	WSFL	EQ										
	-10.	7.	0.	0.	0.	0.	0.	0.	742.500	0.										
15	SPRDF	EPLDT	DPFVS	XSTCV	XSECH	FB	ALLDC	IRW	CHNIM	ITRAC										
	1.000	0.	-1.000	0.	0.	0.	0.	0.	0.	0.										

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

1700. BRIDGE STRENGTH = 1221.00 STRENGTH = 1301.00
 1700. BRIDGE STRENGTH = 1217.00 STRENGTH = 1277.00

 HFC WFLFAST (ATED NOV 76 UPDATED) AM111977
 FROM CODE - 01.02
 MODIFICATION - 50.51.52.53

TWIS RUN EXECUTED 07/16/79 03:55:35

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

MUDDY-A.G. SURCHALF

SUMMARY PRINTOUT TABLE 100

SECRD	EGLWC	ELLC	EMPS	ELTED	QPR	QWELV	CLASS	H3	DEPTH	CWSIL	VCM	H.
131.000	421.40	418.59	430.13	421.23	235.47	117.12	30.00	.03	4.5	422.74	3.94	422.44
131.000	423.13	414.59	429.87	421.23	256.34	300.05	30.00	.07	4.27	422.51	6.22	422.00
111.000	432.44	430.97	439.04	432.63	357.54	194.42	30.00	.41	4.60	433.57	4.19	434.07
111.000	432.98	430.97	439.05	432.63	382.81	148.47	30.00	.41	4.22	434.19	5.42	434.51

ADDENDUM - ARCHIVAL
 SUMMARY PAYROLL TABLE 105

SECNO	CMSFL	HL	QLSSS	TOWMID	QLOW	QCH	OROW
73.000	417.90	14.42	.04	216.11	.47	226.43	324.70
73.000	412.43	15.30	.02	49.00	4.49	401.54	145.46
731.000	421.25	.60	.30	225.91	24.90	346.59	130.51
731.000	420.99	.93	.42	40.00	25.99	460.02	65.92
131.000	422.74	.91	0.	316.14	39.09	229.40	243.11
131.000	422.51	.69	0.	40.00	48.44	160.10	151.27
14.000	422.90	.02	.01	341.42	200.14	144.02	167.53
13.000	422.95	.06	.03	40.00	139.52	307.72	104.76
74.000	430.11	7.62	.17	77.00	64.15	483.45	0.
74.000	430.15	7.57	.16	77.22	70.46	421.54	0.
741.000	430.40	1.24	.95	6.00	0.	552.00	0.
741.000	430.41	1.22	.96	4.00	0.	552.00	0.
111.000	431.57	1.12	0.	220.20	47.10	425.72	74.54
111.000	434.19	1.70	0.	60.00	0.	429.94	122.02
11.000	434.07	.04	.04	246.96	297.44	278.16	66.50
11.000	434.41	.04	.03	60.00	160.90	391.10	0.

WUDDY-W. W. ANCHORALE

SUMMARY DEFINITION TABLE 110

SECNO	CMSFL	DEFKWS	FC	TOWMTH	QLOM	QCM	QROK	FRMFC	STRHCL	STCHL	STCAP	STRGRP
17.000	744.20	0.	744.52	130.05	5.00	404.15	472.75	0.	0.	1272.00	1295.00	0.
17.000	784.60	.40	745.12	49.83	0.	505.63	277.31	.24	1272.00	1272.00	1295.00	1328.23
14.000	793.13	0.	792.30	144.66	175.04	391.13	14.30	0.	0.	1437.00	1454.00	0.
14.000	793.12	.90	793.60	40.00	214.51	524.03	42.34	40.00	1340.00	1437.00	1454.00	1470.00
15.000	403.15	.49	403.14	219.70	44.36	465.74	175.04	0.	0.	1300.00	1312.00	0.
15.000	403.15	0.	403.75	40.00	44.36	465.19	193.25	40.00	1245.00	1300.00	1312.00	1345.00
73.000	217.90	0.	217.90	216.11	.27	226.83	724.70	0.	0.	1324.00	1352.00	0.
73.000	514.83	.93	219.04	43.00	4.93	491.54	145.66	42.00	1321.00	1324.00	1352.00	1370.00
731.000	421.25	0.	421.97	225.91	26.93	392.59	130.51	0.	0.	1274.00	1241.00	0.
731.000	426.95	-.24	422.22	40.00	25.39	440.02	65.98	40.00	1221.00	1274.00	1241.00	1301.00
131.000	422.74	0.	422.44	315.14	39.09	229.89	243.11	0.	0.	1221.00	1241.00	0.
131.000	422.51	-.28	422.90	80.00	40.64	340.10	151.27	40.00	1221.00	1234.00	1241.00	1301.00
13.000	422.90	0.	422.91	341.42	400.15	144.02	147.43	0.	0.	1254.00	1272.00	0.
13.000	422.95	.05	423.00	40.00	139.52	307.72	104.76	40.00	1221.00	1254.00	1272.00	1301.00
74.000	430.11	0.	430.71	77.00	64.15	481.85	0.	0.	0.	1214.00	1234.00	0.
74.000	430.15	.03	430.72	77.22	70.66	491.54	0.	70.00	1152.00	1214.00	1234.00	1274.00
741.000	430.60	0.	432.91	8.00	0.	542.00	0.	0.	0.	1217.00	1225.00	0.
741.000	430.61	.09	432.91	8.00	0.	542.00	0.	8.00	1217.00	1217.00	1225.00	1274.00
111.000	433.57	0.	434.03	220.20	47.70	425.72	74.54	0.	0.	1217.00	1225.00	0.
111.000	434.19	.62	434.61	40.00	0.	425.94	122.02	40.00	1217.00	1217.00	1225.00	1277.00
11.000	434.07	0.	434.11	244.50	207.34	274.16	66.50	0.	0.	1215.00	1234.00	0.
11.000	434.61	.53	434.70	40.00	150.90	391.10	0.	40.00	1174.00	1215.00	1234.00	1274.00
10.000	435.35	0.	435.61	109.40	25.74	250.22	1.04	0.	0.	1175.00	1149.00	0.
10.000	435.74	.43	435.99	40.00	26.84	250.12	0.	40.00	1122.00	1175.00	1149.00	1189.00

SUMMARY OF ERRORS

CAUTION SECNO= 731.000 PROFIT= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 741.000 PROFIT= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 731.000 PROFIT= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 741.000 PROFIT= 2 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA - MUDRY-W.W. ARCHDALE
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	ELEVATION WITHOUT FLOODWAY	DIFFERENCE
17.000 A	50.	140.	4.4	724.4	724.2	.2
16.000 B	40.	283.	2.4	703.1	702.1	1.0
15.000 C	40.	147.	3.8	803.2	802.7	.5
14.000 D	50.	180.	2.9	818.9	817.9	1.0
13.000 E	80.	131.	4.2	821.0	821.2	-.2
12.000 F	40.	253.	2.2	822.6	822.4	.2
11.000 G	40.	462.	1.2	822.9	822.4	0.
10.000 H	77.	130.	4.2	830.1	830.1	0.
9.000 I	4.	44.	12.7	830.4	833.4	-3.0
8.000 J	40.	202.	2.7	844.2	834.4	9.8
7.000 K	40.	299.	1.8	834.6	834.1	.5
6.000 L	60.	104.	2.7	835.7	835.1	.6

FLOODWAY AREA

