

STILL

BRANCH

TRIBUTARY

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

STILL BRANCH TRIBUTARY

T1 CITY OF MONROE, NC
 T2 100 YEAR FLOOD
 T3 STILL BRANCH TRIBUTARY

OCT. 1980

FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	0.	4.	0.	0.	0.0	0.0	0.0	0.	529.530	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	ITRACE
	1.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	110.000	200.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

	-10.000	-10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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ET	0.0	0.0	0.0	0.0	0.0	0.0	9.400	0.0	0.0	0.0	0.0
QT	5.000	930.000	1520.000	1790.000	2530.000	1790.000	0.0	0.0	0.0	0.0	0.0
NC	0.065	0.071	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0

X1	885.000	30.000	329.000	345.000	0.0	0.0	0.0	0.0	0.0	0.0	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
GR	549.000	100.000	543.300	150.000	542.200	169.000	539.200	181.000	531.600	190.000	
GR	531.100	200.000	530.700	205.000	530.300	206.000	531.200	209.000	531.900	212.000	
GR	532.200	216.000	532.200	226.000	531.700	236.000	530.700	245.000	527.500	250.000	
GR	527.700	300.000	527.500	329.000	523.900	334.000	524.000	341.000	526.900	345.000	
GR	528.200	350.000	527.900	370.000	528.000	450.000	530.000	505.000	532.000	515.000	
GR	534.000	545.000	538.000	570.000	546.000	610.000	548.000	615.000	550.000	700.000	
QT	5.000	500.000	860.000	1040.000	1510.000	1040.000	0.0	0.0	0.0	0.0	
NH	5.000	0.180	200.000	0.065	335.000	0.040	358.000	0.065	410.000	3.000	
NH	970.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

X1	80.000	34.000	335.000	358.000	170.000	170.000	170.000	0.0	0.0	0.0	
GR	549.200	100.000	539.900	150.000	539.100	154.000	538.500	160.000	534.100	170.000	
GR	533.300	197.000	533.000	200.000	533.600	202.000	534.200	205.000	534.600	217.000	
GR	534.900	228.000	534.600	238.000	533.300	248.000	532.600	250.000	529.900	264.000	
GR	529.300	300.000	528.300	335.000	526.600	341.000	525.800	348.000	527.500	350.000	
GR	529.300	358.000	530.000	370.000	530.000	410.000	530.000	505.000	532.000	590.000	
GR	534.000	625.000	536.000	665.000	538.000	690.000	540.000	720.000	542.000	765.000	
GR	544.000	800.000	546.000	820.000	548.000	850.000	550.000	910.000	0.0	0.0	
ET	0.0	0.0	0.0	0.0	0.0	17.400	0.0	0.0	0.0	0.0	
NC	0.075	0.075	0.040	0.300	0.500	0.0	0.0	0.0	0.0	0.0	

X1	155.000	40.000	211.000	217.000	75.000	75.000	75.000	0.0	0.0	0.0	
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	531.000	531.000	0.0	
GR	549.000	0.0	547.900	7.000	546.400	50.000	544.900	60.000	540.100	76.000	
GR	538.200	79.000	538.700	81.000	539.200	87.000	539.100	96.000	538.900	106.000	
GR	538.500	111.000	537.300	120.000	533.500	170.000	532.000	180.000	531.500	185.000	
GR	529.400	198.000	528.500	200.000	528.000	211.000	527.050	211.500	526.770	212.000	

MOORE BUSINESS FORMS, INC. MADE IN USA

GR	526.650	212.500	526.580	213.000	526.520	213.500	526.480	214.000	526.520	214.500
GR	526.580	215.000	526.650	215.500	526.710	216.000	527.050	216.500	528.000	217.000
GR	529.600	229.000	530.900	237.000	531.500	298.000	532.000	340.000	534.000	455.000
GR	536.000	490.000	538.000	515.000	540.000	535.000	542.000	550.000	546.000	595.000
SB	0.0	1.560	3.000	0.0	5.470	0.0	22.000	0.0	526.480	526.480

X1	205.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
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IHC2151 CONVERT - ILLEGAL DECIMAL CHARACTER

X2	1	530.5	531.68
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TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1

IBCOM 00388B20 003ACA50 00000006 00388B04

H2MAIN 0005 52383D72 00383DB0 FD000008 00000000

MAIN 00028060 01383C48 FD000008 003E6FF8

ENTRY POINT= 01383C48

STANDARD FIXUP TAKEN , EXECUTION CONTINUING

X2	0.0	0.0	1.000	530.500	531.680	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	531.680	531.680	0.0
BT	34.000	76.000	540.100	540.100	79.000	538.200	538.200	81.000	538.700	538.700
BT	87.000	539.200	539.200	96.000	539.100	539.100	106.000	538.900	538.900	111.000
BT	538.500	538.500	120.000	537.300	537.300	170.000	532.000	180.000	531.500	185.000
BT	532.000	185.000	531.950	531.500	198.000	531.830	529.400	200.000	531.810	528.500
BT	211.000	531.710	528.000	211.500	531.700	529.200	212.000	531.700	529.700	212.500
BT	531.690	530.040	213.000	531.690	530.280	213.500	531.680	530.410	214.000	531.680
BT	530.500	214.500	531.680	530.410	215.000	531.680	530.280	215.500	531.680	530.040
BT	216.000	531.690	529.700	216.500	531.690	529.200	217.000	531.690	528.000	229.000
BT	531.720	529.600	237.000	531.740	530.900	298.000	531.890	531.500	340.000	532.000
BT	532.000	455.000	534.000	534.000	490.000	536.000	536.000	515.000	538.000	538.000
BT	535.000	540.000	540.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.070	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	250.000	28.000	198.000	229.000	45.000	45.000	45.000	0.0	0.0	0.0
GR	549.000	0.0	547.900	7.000	546.400	50.000	544.900	60.000	540.100	76.000
GR	538.200	79.000	538.700	81.000	539.200	87.000	539.100	96.000	538.900	106.000
GR	538.500	111.000	537.300	120.000	533.500	170.000	532.000	180.000	531.500	185.000
GR	529.400	198.000	528.500	200.000	528.900	225.000	529.600	229.000	530.900	237.000
GR	531.500	298.000	532.000	340.000	534.000	455.000	536.000	490.000	538.000	515.000
GR	540.000	535.000	542.000	550.000	546.000	595.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	9.400	0.0	0.0	0.0	0.0

X1	630.000	20.000	204.000	216.000	380.000	380.000	380.000	0.0	0.0	0.0
GR	560.000	0.0	548.000	55.000	548.000	90.000	544.000	110.000	542.000	115.000
GR	540.000	125.000	538.000	160.000	536.000	190.000	534.800	204.000	531.700	208.000
GR	531.700	211.000	534.700	216.000	536.000	245.000	540.000	315.000	544.000	335.000
GR	546.000	355.000	550.000	385.000	552.000	405.000	554.000	445.000	556.000	490.000
ET	0.0	0.0	0.0	0.0	0.0	9.100	0.0	0.0	136.000	192.000
NC	0.070	0.080	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1040.000	17.000	159.000	171.000	410.000	410.000	410.000	0.0	0.0	0.0
GR	560.000	0.0	554.000	10.000	552.000	35.000	550.000	45.000	542.000	145.000
GR	540.000	155.000	539.700	159.000	536.700	162.000	536.700	166.000	539.700	171.000
GR	540.000	180.000	544.000	200.000	546.000	255.000	548.000	275.000	550.000	290.000
GR	554.000	310.000	560.000	350.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	17.400	0.0	0.0	0.0	0.0
NC	0.500	0.500	0.050	0.300	0.500	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. PRINTED IN USA

GR	526.650	212.500	526.580	213.000	526.520	213.500	526.480	214.000	526.520	214.500
GR	526.580	215.000	526.650	215.500	526.710	216.000	527.050	216.500	528.000	217.000
GR	529.600	229.000	530.900	237.000	531.500	298.000	532.000	340.000	534.000	455.000
GR	536.000	490.000	538.000	515.000	540.000	535.000	542.000	550.000	546.000	595.000
SB	0.0	1.560	3.000	0.0	5.470	0.0	22.000	0.0	526.480	526.480

X1	205.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
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IHC215I CONVERT - ILLEGAL DECIMAL CHARACTER

X2	1	530.5	531.68
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TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1

IBCOM	00388B20	003ACA50	00000006	00388B04	
H2MAIN	0005	52383D72	00383DB0	FD000008	00000000
MAIN	00028060	01383C48	FD000008	003E6FF8	

ENTRY POINT= 01383C48

STANDARD FIXUP TAKEN , EXECUTION CONTINUING

X2	0.0	0.0	1.000	530.500	531.680	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	531.680	531.680	0.0
BT	34.000	75.000	540.100	540.100	79.000	538.200	538.200	81.000	538.700	538.700
BT	87.000	539.200	539.200	96.000	539.100	539.100	106.000	538.900	538.900	111.000
BT	538.500	538.500	120.000	537.300	537.300	170.000	533.500	533.500	180.000	532.000
BT	532.000	185.000	531.950	531.500	198.000	531.830	529.400	200.000	531.810	528.500
BT	211.000	531.710	528.000	211.500	531.700	529.200	212.000	531.700	529.700	212.500
BT	531.690	530.040	213.000	531.690	530.280	213.500	531.680	530.410	214.000	531.680
BT	530.500	214.500	531.680	530.410	215.000	531.680	530.280	215.500	531.680	530.040
BT	216.000	531.690	529.700	216.500	531.690	529.200	217.000	531.690	528.000	229.000
BT	531.720	529.600	237.000	531.740	530.900	298.000	531.890	531.500	340.000	532.000
BT	532.000	455.000	534.000	534.000	490.000	536.000	536.000	515.000	538.000	538.000
BT	535.000	540.000	540.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.070	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	250.000	28.000	198.000	229.000	45.000	45.000	45.000	0.0	0.0	0.0
GR	549.000	0.0	547.900	7.000	546.400	50.000	544.900	60.000	540.100	76.000
GR	538.200	79.000	538.700	81.000	539.200	87.000	539.100	96.000	538.900	106.000
GR	538.500	111.000	537.300	120.000	533.500	170.000	532.000	180.000	531.500	185.000
GR	529.400	198.000	528.500	200.000	528.900	225.000	529.600	229.000	530.900	237.000
GR	531.500	298.000	532.000	340.000	534.000	455.000	536.000	490.000	538.000	515.000
GR	540.000	535.000	542.000	550.000	546.000	595.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	9.400	0.0	0.0	0.0	0.0

X1	630.000	20.000	204.000	216.000	380.000	380.000	380.000	0.0	0.0	0.0
GR	560.000	0.0	548.000	55.000	548.000	90.000	544.000	110.000	542.000	115.000
GR	540.000	125.000	538.000	160.000	536.000	190.000	534.800	204.000	531.700	208.000
GR	531.700	211.000	534.700	216.000	536.000	245.000	540.000	315.000	544.000	335.000
GR	546.000	355.000	550.000	385.000	552.000	405.000	554.000	445.000	556.000	490.000
ET	0.0	0.0	0.0	0.0	0.0	9.100	0.0	0.0	136.000	192.000
NC	0.070	0.080	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1040.000	17.000	159.000	171.000	410.000	410.000	410.000	0.0	0.0	0.0
GR	560.000	0.0	554.000	10.000	552.000	35.000	550.000	45.000	542.000	145.000
GR	540.000	155.000	539.700	159.000	536.700	162.000	536.700	166.000	539.700	171.000
GR	540.000	180.000	544.000	200.000	546.000	255.000	548.000	275.000	550.000	290.000
GR	554.000	310.000	560.000	350.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	17.400	0.0	0.0	0.0	0.0
NC	0.500	0.500	0.050	0.300	0.500	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC OCT. 1980
T2 100 YEAR FLOODWAY
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	6.	0.	0.	0.0	0.0	0.0	0.	530.430	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. 7 22 PRINTED IN USA

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

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

STILL BRANCH TRIBUTARY

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
885.000	529.53	0.0	530.19	245.24	548.22	712.94	528.84	0.0	0.0	329.00	345.00	0.0
885.000	530.43	0.90	531.51	96.53	334.17	957.86	497.96	0.44	301.67	329.00	345.00	398.20
80.000	531.15	0.0	531.51	296.38	363.50	550.87	125.62	0.0	0.0	335.00	358.00	0.0
80.000	532.18	1.03	532.79	45.21	260.85	779.14	0.0	0.42	312.79	335.00	358.00	358.00
* 155.000	532.11	0.0	532.86	167.24	322.98	346.02	371.00	0.0	0.0	211.00	217.00	0.0
* 155.000	532.91	0.80	534.74	25.53	0.0	491.81	548.18	0.65	211.00	211.00	217.00	236.53
205.000	533.00	0.0	533.23	224.64	287.71	248.56	503.73	0.0	0.0	211.00	217.00	0.0
205.000	533.80	0.80	534.28	54.27	0.0	319.76	720.24	0.60	211.00	211.00	217.00	265.27
250.000	533.16	0.0	533.35	234.85	75.37	594.27	370.36	0.0	0.0	198.00	229.00	0.0
250.000	533.95	0.79	534.58	32.63	0.0	1027.76	12.24	0.60	198.00	198.00	229.00	230.63
* 630.000	537.55	0.0	538.49	105.41	146.31	564.99	328.70	0.0	0.0	204.00	216.00	0.0
* 630.000	537.98	0.43	539.77	28.02	0.0	744.05	295.95	0.40	204.00	204.00	216.00	232.02
1040.000	542.95	0.0	544.15	61.61	165.49	663.45	211.06	0.0	0.0	159.00	171.00	0.0
1040.000	543.91	0.96	544.53	56.00	215.06	582.53	242.40	56.00	136.00	159.00	171.00	192.00
* 1330.000	550.73	0.0	552.63	87.35	64.03	612.89	363.08	0.0	0.0	137.80	142.30	0.0
* 1330.000	551.51	0.77	554.55	23.12	0.0	755.87	284.13	0.36	137.80	137.80	142.30	160.93
1390.000	554.43	0.0	554.77	137.92	118.03	428.54	493.42	0.0	0.0	137.80	142.30	0.0
1390.000	555.20	0.77	555.52	52.41	0.0	432.19	607.81	0.29	137.80	137.80	142.30	190.21
1530.000	554.90	0.0	554.91	213.53	76.81	152.67	810.53	0.0	0.0	115.00	130.00	0.0
1530.000	555.70	0.80	555.73	94.12	0.0	155.55	884.45	0.31	115.00	115.00	130.00	209.12
2065.000	555.23	0.0	555.36	186.30	367.06	373.05	299.89	0.0	0.0	175.00	190.00	0.0
2065.000	556.16	0.93	556.36	64.70	341.65	481.66	216.69	0.37	150.69	175.00	190.00	215.39
2540.000	559.13	0.0	559.38	153.86	373.20	428.19	238.51	0.0	0.0	209.00	221.00	0.0
2540.000	560.13	1.01	560.53	52.26	390.57	549.27	100.16	0.38	179.49	209.00	221.00	231.75
* 3220.000	567.32	0.0	568.07	106.33	515.91	395.38	128.71	0.0	0.0	275.00	284.00	0.0
3220.000	568.31	0.99	569.49	33.44	527.05	512.95	0.0	0.46	250.56	275.00	284.00	284.00

MOORE BUSINESS FORMS, INC. PRINTED IN USA

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QRUB	PERENC	STENCL	STCHL	STCHR	STENCR
* 3540.000	573.88	0.0	574.83	83.25	516.82	355.83	167.35	0.0	0.0	656.00	664.00	0.0
3540.000	574.63	0.75	576.23	30.61	573.67	466.32	0.0	0.45	633.39	656.00	664.00	664.00

SUMMARY OF ERRORS

CAUTION SECNO= 155.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 155.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 155.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 155.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 155.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 155.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 630.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 630.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 630.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 630.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 630.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 630.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1330.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1330.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1330.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1330.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3220.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 3540.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

MOORE BUSINESS FORMS, INC. PRINTED IN USA

FLOODWAY DATA, STILL BRANCH TRIBUTARY

PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
885.000	97.	299.	6.0	530.4	529.5	0.9
880.000	45.	191.	5.5	532.1	531.1	1.0
155.000	26.	106.	9.8	532.9	532.1	0.8
205.000	54.	208.	5.0	533.8	533.0	0.8
250.000	33.	167.	6.2	534.0	533.2	0.8
630.000	28.	109.	9.6	538.0	537.6	0.4
1040.000	56.	203.	5.1	543.9	542.9	1.0
1330.000	23.	149.	7.0	551.5	550.7	0.8
1390.000	52.	473.	2.2	555.2	554.4	0.8
1530.000	94.	873.	1.2	555.7	554.9	0.8
2065.000	65.	336.	3.1	556.1	555.2	0.9
2540.000	52.	253.	4.1	560.1	559.1	1.0
3220.000	33.	133.	7.8	568.3	567.3	1.0
3540.000	31.	112.	9.3	574.6	573.9	0.7

MOORE BUSINESS FORMS, INC. PRINTED IN U.S.A.

FLOODWAY DATA, STILL BRANCH TRIBUTARY

PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
885.000	97.	299.	6.0	530.4	529.5	0.9
880.000	45.	191.	5.5	532.1	531.1	1.0
155.000	26.	106.	9.8	532.9	532.1	0.8
205.000	54.	208.	5.0	533.8	533.0	0.8
250.000	33.	167.	6.2	534.0	533.2	0.8
630.000	28.	109.	9.6	538.0	537.6	0.4
1040.000	56.	203.	5.1	543.9	542.9	1.0
1330.000	23.	149.	7.0	551.5	550.7	0.8
1390.000	52.	473.	2.2	555.2	554.4	0.8
1530.000	94.	873.	1.2	555.7	554.9	0.8
2065.000	65.	336.	3.1	556.1	555.2	0.9
2540.000	52.	253.	4.1	560.1	559.1	1.0
3220.000	33.	133.	7.8	568.3	567.3	1.0
3540.000	31.	112.	9.3	574.6	573.9	0.7

MOORE BUSINESS FORMS, INC. PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

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MOORE BUSINESS FORMS, INC. 71 PRINTED IN USA

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

STILL BRANCH TRIBUTARY

T1 CITY OF MONROE, NC SEPT 1980
 T2 10 YEAR FLOOD
 T3 STILL BRANCH TRIBUTARY

PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	2.	0.	0.	0.0	0.0	0.0	0.	528.810	0.0

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

J3	VARIABLE CODES FOP SUMMARY PRINTOUT									
	150.000	201.000	202.000	-11.000	36.000	0.0	0.0	0.0	0.0	0.0

J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

QT	5.000	930.000	1520.000	1790.000	2530.000	1790.000	0.0	0.0	0.0	0.0
NC	0.065	0.071	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	885.000	30.000	329.000	345.000	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	549.000	100.000	543.300	150.000	542.200	169.000	539.200	181.000	531.500	190.000
GR	531.100	200.000	530.700	205.000	530.300	206.000	531.200	209.000	531.900	212.000
GR	532.200	216.000	532.200	226.000	531.700	236.000	530.700	245.000	527.500	250.000
GR	527.700	300.000	527.500	329.000	523.900	334.000	524.000	341.000	526.900	345.000
GR	528.200	350.000	527.900	370.000	528.000	450.000	530.000	505.000	532.000	515.000
GR	534.000	545.000	538.000	570.000	546.000	610.000	548.000	615.000	550.000	700.000
QT	5.000	500.000	860.000	1040.000	1510.000	1040.000	0.0	0.0	0.0	0.0
NH	5.000	0.180	200.000	0.065	335.000	0.040	358.000	0.065	410.000	3.000
NH	970.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	80.000	34.000	335.000	358.000	170.000	170.000	170.000	0.0	0.0	0.0
GR	549.200	100.000	539.900	150.000	539.100	154.000	538.500	160.000	534.100	170.000
GR	533.300	197.000	533.000	200.000	533.600	202.000	534.200	205.000	534.600	217.000
GR	534.900	228.000	534.600	238.000	533.300	248.000	532.600	250.000	529.900	264.000
GR	529.300	300.000	528.300	335.000	526.600	341.000	525.800	348.000	527.500	350.000
GR	529.300	358.000	530.000	370.000	530.000	410.000	530.000	505.000	532.000	590.000
GR	534.000	625.000	536.000	665.000	538.000	690.000	540.000	720.000	542.000	765.000
GR	544.000	800.000	546.000	820.000	548.000	850.000	550.000	970.000	0.0	0.0
NC	0.075	0.075	0.040	0.300	0.500	0.0	0.0	0.0	0.0	0.0

X1	155.000	40.000	211.000	217.000	75.000	75.000	75.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	531.000	531.000	0.0
GR	549.000	0.0	547.900	7.000	546.400	50.000	544.900	60.000	540.100	76.000
GR	538.200	79.000	538.700	81.000	539.200	87.000	539.100	96.000	538.900	106.000
GR	538.500	111.000	537.300	120.000	533.500	170.000	532.000	180.000	531.500	185.000
GR	529.400	198.000	528.500	200.000	528.000	211.000	527.050	211.500	526.770	212.000
GR	526.650	212.500	526.580	213.000	526.520	213.500	526.480	214.000	526.520	214.500
GR	526.580	215.000	526.650	215.500	526.710	216.000	527.050	216.500	528.000	217.000

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GR	529,600	229,000	530,900	237,000	531,500	298,000	532,000	340,000	534,000	455,000
GR	536,000	490,000	538,000	515,000	540,000	535,000	542,000	550,000	546,000	595,000
SB	0.0	1,560	3,000	0.0	5,470	0.0	22,000	0.0	526,480	526,480

X1	205,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	530,500	531,680	0.0	0.0	0.0	0.0	0.0
X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	531,680	531,680	0.0
BT	34,000	76,000	540,100	540,100	79,000	538,200	538,200	81,000	538,700	538,700
BT	87,000	539,200	539,200	96,000	539,100	539,100	106,000	538,900	538,900	111,000
BT	538,500	538,500	120,000	537,300	537,300	170,000	533,500	533,500	180,000	532,000
BT	532,000	185,000	531,950	531,500	198,000	531,830	529,400	200,000	531,810	528,500
BT	211,000	531,710	528,000	211,500	531,700	529,200	212,000	531,700	529,700	212,500
BT	531,690	530,040	213,000	531,690	530,280	213,500	531,680	530,410	214,000	531,680
BT	530,500	214,500	531,680	530,410	215,000	531,680	530,280	215,500	531,680	530,040
BT	216,000	531,690	529,700	216,500	531,690	529,200	217,000	531,690	528,000	229,000
BT	531,720	529,600	237,000	531,740	530,900	298,000	531,890	531,500	340,000	532,000
BT	532,000	455,000	534,000	534,000	490,000	536,000	536,000	515,000	538,000	538,000
BT	535,000	540,000	540,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.070	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	250,000	28,000	198,000	229,000	45,000	45,000	45,000	0.0	0.0	0.0
GR	549,000	0.0	547,900	7,000	546,400	50,000	544,900	60,000	540,100	76,000
GR	538,200	79,000	538,700	81,000	539,200	87,000	539,100	96,000	538,900	106,000
GR	538,500	111,000	537,300	120,000	533,500	170,000	532,000	180,000	531,500	185,000
GR	529,400	198,000	528,500	200,000	528,900	225,000	529,600	229,000	530,900	237,000
GR	531,500	298,000	532,000	340,000	534,000	455,000	536,000	490,000	538,000	515,000
GR	540,000	535,000	542,000	550,000	546,000	595,000	0.0	0.0	0.0	0.0

X1	630,000	20,000	204,000	216,000	380,000	380,000	380,000	0.0	0.0	0.0
GR	560,000	0.0	548,000	55,000	548,000	90,000	544,000	110,000	542,000	115,000
GR	540,000	125,000	538,000	160,000	536,000	190,000	534,800	204,000	531,700	208,000
GR	531,700	211,000	534,700	216,000	536,000	245,000	540,000	315,000	544,000	335,000
GR	546,000	355,000	550,000	385,000	552,000	405,000	554,000	445,000	556,000	490,000
NC	0.070	0.080	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1040,000	17,000	159,000	171,000	410,000	410,000	410,000	0.0	0.0	0.0
GR	560,000	0.0	554,000	10,000	552,000	35,000	550,000	45,000	542,000	145,000
GR	540,000	155,000	539,700	159,000	536,700	162,000	536,700	166,000	539,700	171,000
GR	540,000	180,000	544,000	200,000	546,000	255,000	548,000	275,000	550,000	290,000
GR	554,000	310,000	560,000	350,000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.500	0.500	0.050	0.300	0.500	0.0	0.0	0.0	0.0	0.0

X1	1330,000	20,000	137,800	142,300	290,000	290,000	290,000	0.0	0.0	0.0
X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	549,000	549,000	0.0
GR	570,000	0.0	568,000	25,000	560,000	95,000	552,400	114,000	550,000	120,000
GR	548,000	130,000	546,000	137,800	541,000	137,850	541,000	141,950	546,000	142,300
GR	546,000	160,000	548,000	190,000	550,000	200,000	552,000	215,000	554,000	235,000
GR	556,000	290,000	558,000	330,000	560,000	350,000	562,000	465,000	564,000	510,000
SB	1.250	1.560	3,000	0.0	4,500	0.001	36,000	0.0	541,780	540,950

X1	1390,000	0.0	0.0	0.0	60,000	60,000	60,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	549,000	552,400	0.0	0.0	0.0	0.0	0.0
X3	10,000	0.0	0.0	0.0	0.0	0.0	0.0	552,400	552,400	0.0
BT	14,000	95,000	560,000	0.0	114,000	552,400	0.0	120,000	552,490	0.0
BT	130,000	552,650	0.0	137,800	552,770	0.0	142,300	552,850	0.0	160,000
BT	553,230	0.0	190,000	553,870	0.0	200,000	554,080	0.0	215,000	554,400
BT	0.0	235,000	554,830	0.0	290,000	556,000	0.0	330,000	558,000	0.0
BT	350,000	560,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.180	0.100	0.120	0.100	0.300	0.0	0.0	0.0	0.0	0.0

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X1	1530.000	25.000	115.000	130.000	140.000	140.000	140.000	0.0	0.0	0.0
GR	570.000	0.0	568.000	15.000	566.000	25.000	564.000	35.000	562.000	50.000
GR	560.000	60.000	558.000	65.000	556.000	75.000	554.000	80.000	552.000	85.000
GR	550.000	100.000	548.000	105.000	546.000	115.000	543.000	120.000	543.000	124.000
GR	546.000	130.000	546.000	160.000	548.000	195.000	550.000	235.000	552.000	255.000
GR	554.000	280.000	556.000	305.000	558.000	315.000	560.000	320.000	562.000	430.000
NC	0.100	0.180	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2065.000	20.000	175.000	190.000	535.000	535.000	535.000	0.0	0.0	0.0
GR	570.000	0.0	568.000	15.000	564.000	35.000	562.000	40.000	560.000	50.000
GR	556.000	90.000	554.000	120.000	552.000	160.000	551.000	175.000	547.700	180.000
GR	547.700	184.000	551.000	190.000	552.000	220.000	554.000	260.000	556.000	305.000
GR	558.000	335.000	560.000	365.000	562.000	375.000	564.000	400.000	570.000	440.000
NC	0.0	0.0	0.080	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2540.000	20.000	209.000	221.000	475.000	475.000	475.000	0.0	0.0	0.0
GR	580.000	0.0	570.000	65.000	568.000	75.000	566.000	90.000	564.000	100.000
GR	562.000	105.000	562.000	115.000	558.000	145.000	556.000	205.000	555.000	209.000
GR	551.800	213.000	551.800	217.000	555.000	221.000	556.000	245.000	558.000	265.000
GR	560.000	310.000	562.000	315.000	568.000	345.000	570.000	360.000	572.000	365.000
NC	0.065	0.065	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	3220.000	20.000	275.000	284.000	680.000	680.000	680.000	0.0	0.0	0.0
GR	590.000	0.0	588.000	20.000	586.000	25.000	584.000	45.000	572.000	135.000
GR	570.000	155.000	568.000	190.000	566.000	220.000	564.500	275.000	562.100	278.000
GR	562.100	281.000	564.900	284.000	566.000	300.000	568.000	310.000	570.000	330.000
GR	572.000	335.000	574.000	350.000	576.000	365.000	580.000	385.000	582.000	470.000

X1	3540.000	21.000	656.000	664.000	320.000	320.000	320.000	0.0	0.0	0.0
GR	590.000	100.000	584.000	140.000	582.000	160.000	580.000	175.000	578.000	225.000
GR	576.000	570.000	574.000	600.000	572.000	620.000	571.000	656.000	569.400	659.000
GR	569.400	661.000	571.000	664.000	572.000	675.000	574.000	685.000	576.000	700.000
GR	578.000	725.000	580.000	740.000	582.000	765.000	584.000	810.000	586.000	840.000
GR	590.000	880.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS CO. PRINTED IN USA 37

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC
T2 50 YEAR FLOOD
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	0.	3.	0.	0.	0.0	0.0	0.0	0.	529,340	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC
T2 50 YEAR FLOOD
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	0.0	0.0	0.0	0.	529.340	0.0

J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. 227 PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC
T2 50 YEAR FLOOD
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	0.0	0.0	0.0	0.	529,340	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC
T2 100 YEAR FLOOD
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	0.	4.	0.	0.	0.0	0.0	0.0	0.	529.520	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRINTED IN USA
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MAGNET BUSINESS FORMS, INC.

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 CITY OF MONROE, NC
T2 500 YEAR FLOOD
T3 STILL BRANCH TRIBUTARY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	5.	0.	0.	0.0	0.0	0.0	0.	529.960	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MOORE BUSINESS FORMS, INC. PRINTED IN USA

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

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

STILL BRANCH TRIBUTARY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
* 885.000	0.0	0.0	0.0	523.90	930.00	528.89	528.89	529.41	78.85	7.68	277.42	104.73
885.000	0.0	0.0	0.0	523.90	1520.00	529.34	0.0	529.97	95.95	9.14	382.23	154.37
885.000	0.0	0.0	0.0	523.90	1790.00	529.52	0.0	530.19	101.98	9.62	425.84	177.26
885.000	0.0	0.0	0.0	523.90	2530.00	529.96	0.0	530.71	110.82	10.66	536.48	240.33
80.000	170.00	0.0	0.0	525.80	500.00	530.25	0.0	530.56	50.18	5.21	184.53	70.58
80.000	170.00	0.0	0.0	525.80	860.00	530.92	0.0	531.25	48.56	5.88	363.67	123.42
80.000	170.00	0.0	0.0	525.80	1040.00	531.16	0.0	531.51	50.19	6.24	433.93	146.80
80.000	170.00	0.0	0.0	525.80	1510.00	531.71	0.0	532.12	52.64	7.00	605.49	208.12
* 155.000	75.00	0.0	0.0	526.48	500.00	531.18	531.18	531.78	97.41	8.56	112.60	50.66
* 155.000	75.00	0.0	0.0	526.48	860.00	531.86	531.86	532.60	117.47	10.36	189.98	79.35
* 155.000	75.00	0.0	0.0	526.48	1040.00	532.11	532.11	532.86	120.88	10.85	229.98	94.59
* 155.000	75.00	0.0	0.0	526.48	1510.00	532.58	532.58	533.41	135.23	12.14	314.82	129.85
205.000	50.00	531.68	530.50	526.48	500.00	532.49	0.0	532.59	16.69	4.22	297.48	122.38
205.000	50.00	531.68	530.50	526.48	860.00	532.85	0.0	533.04	30.62	5.96	372.18	155.41
205.000	50.00	531.68	530.50	526.48	1040.00	533.00	0.0	533.23	37.09	6.67	405.43	170.76
205.000	50.00	531.68	530.50	526.48	1510.00	533.30	0.0	533.64	54.80	8.36	474.94	203.98
250.000	45.00	0.0	0.0	528.50	500.00	532.56	0.0	532.65	10.19	2.86	294.19	156.63
250.000	45.00	0.0	0.0	528.50	860.00	532.99	0.0	533.14	16.80	3.94	384.00	209.83
250.000	45.00	0.0	0.0	528.50	1040.00	533.16	0.0	533.35	19.59	4.38	424.63	235.00
250.000	45.00	0.0	0.0	528.50	1510.00	533.55	0.0	533.81	25.97	5.33	519.88	296.32
* 630.000	380.00	0.0	0.0	531.70	500.00	536.64	536.64	537.31	87.77	7.69	107.08	53.37
* 630.000	380.00	0.0	0.0	531.70	860.00	537.27	537.27	538.16	108.14	9.46	161.62	82.70
* 630.000	380.00	0.0	0.0	531.70	1040.00	537.55	537.55	538.49	111.49	10.00	189.56	98.50
* 630.000	380.00	0.0	0.0	531.70	1510.00	538.19	538.19	539.18	112.01	10.90	263.12	142.67
1040.000	410.00	0.0	0.0	536.70	500.00	541.47	541.40	542.47	186.04	8.83	77.13	36.66
1040.000	410.00	0.0	0.0	536.70	860.00	542.57	542.45	543.69	167.90	9.95	127.94	66.37
1040.000	410.00	0.0	0.0	536.70	1040.00	542.95	542.85	544.15	170.21	10.53	150.16	79.71
* 1040.000	410.00	0.0	0.0	536.70	1510.00	543.70	543.70	545.14	183.83	11.97	201.58	111.37
* 1330.000	290.00	0.0	0.0	541.00	500.00	549.01	548.39	550.26	368.20	10.46	169.28	26.06
* 1330.000	290.00	0.0	0.0	541.00	860.00	550.22	550.22	551.96	493.00	13.32	261.36	38.73
* 1330.000	290.00	0.0	0.0	541.00	1040.00	550.73	550.73	552.63	528.51	14.32	305.19	45.24
1330.000	290.00	0.0	0.0	541.00	1510.00	552.00	551.94	554.07	559.03	16.01	423.91	63.86

MOORE BUSINESS FORMS CO. PRINTED IN USA

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

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

STILL BRANCH TRIBUTARY

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
* 885.000	0.0	0.0	0.0	523.90	930.00	528.89	528.89	529.41	78.85	7.68	277.42	104.73
885.000	0.0	0.0	0.0	523.90	1520.00	529.34	0.0	529.97	96.95	9.14	382.23	154.37
885.000	0.0	0.0	0.0	523.90	1790.00	529.52	0.0	530.19	101.98	9.62	425.84	177.26
885.000	0.0	0.0	0.0	523.90	2530.00	529.96	0.0	530.71	110.82	10.66	536.48	240.33
80.000	170.00	0.0	0.0	525.80	500.00	530.25	0.0	530.56	50.18	5.21	184.53	70.58
80.000	170.00	0.0	0.0	525.80	860.00	530.92	0.0	531.25	48.56	5.88	363.67	123.42
80.000	170.00	0.0	0.0	525.80	1040.00	531.16	0.0	531.51	50.19	6.24	433.93	146.80
80.000	170.00	0.0	0.0	525.80	1510.00	531.71	0.0	532.12	52.64	7.00	605.49	208.12
* 155.000	75.00	0.0	0.0	526.48	500.00	531.18	531.18	531.78	97.41	8.56	112.60	50.66
* 155.000	75.00	0.0	0.0	526.48	860.00	531.86	531.86	532.60	117.47	10.36	189.98	79.35
* 155.000	75.00	0.0	0.0	526.48	1040.00	532.11	532.11	532.86	120.88	10.85	229.98	94.59
* 155.000	75.00	0.0	0.0	526.48	1510.00	532.58	532.58	533.41	135.23	12.14	314.82	129.85
205.000	50.00	531.68	530.50	526.48	500.00	532.49	0.0	532.59	16.69	4.22	297.48	122.38
205.000	50.00	531.68	530.50	526.48	860.00	532.85	0.0	533.04	30.62	5.96	372.18	155.41
205.000	50.00	531.68	530.50	526.48	1040.00	533.00	0.0	533.23	37.09	6.67	405.43	170.76
205.000	50.00	531.68	530.50	526.48	1510.00	533.30	0.0	533.64	54.80	8.36	474.94	203.98
250.000	45.00	0.0	0.0	528.50	500.00	532.56	0.0	532.65	10.19	2.86	294.19	156.63
250.000	45.00	0.0	0.0	528.50	860.00	532.99	0.0	533.14	16.80	3.94	384.00	209.83
250.000	45.00	0.0	0.0	528.50	1040.00	533.16	0.0	533.35	19.59	4.38	424.63	235.00
250.000	45.00	0.0	0.0	528.50	1510.00	533.55	0.0	533.81	25.97	5.33	519.88	296.32
* 630.000	380.00	0.0	0.0	531.70	500.00	536.64	536.64	537.31	87.77	7.69	107.08	53.37
* 630.000	380.00	0.0	0.0	531.70	860.00	537.27	537.27	538.16	108.14	9.46	161.62	82.70
* 630.000	380.00	0.0	0.0	531.70	1040.00	537.55	537.55	538.49	111.49	10.00	189.56	98.50
* 630.000	380.00	0.0	0.0	531.70	1510.00	538.19	538.19	539.18	112.01	10.90	263.12	142.67
1040.000	410.00	0.0	0.0	536.70	500.00	541.47	541.40	542.47	186.04	8.83	77.13	36.66
1040.000	410.00	0.0	0.0	536.70	860.00	542.57	542.45	543.69	167.90	9.95	127.94	66.37
1040.000	410.00	0.0	0.0	536.70	1040.00	542.95	542.85	544.15	170.21	10.53	150.16	79.71
* 1040.000	410.00	0.0	0.0	536.70	1510.00	543.70	543.70	545.14	183.83	11.97	201.58	111.37
* 1330.000	290.00	0.0	0.0	541.00	500.00	549.01	548.39	550.26	368.20	10.46	169.28	26.06
* 1330.000	290.00	0.0	0.0	541.00	860.00	550.22	550.22	551.96	493.00	13.32	261.36	38.73
* 1330.000	290.00	0.0	0.0	541.00	1040.00	550.73	550.73	552.63	528.51	14.32	305.19	45.24
1330.000	290.00	0.0	0.0	541.00	1510.00	552.00	551.94	554.07	559.03	16.01	423.91	63.86

MOORE BUSINESS FORMS 42-1 27 PRINTED IN USA

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2540.000	500.00	558.19	0.0	4.92	0.0	125.87	475.00
2540.000	860.00	558.81	0.62	4.02	0.0	144.25	475.00
2540.000	1040.00	559.13	0.32	3.89	0.0	153.86	475.00
2540.000	1510.00	559.86	0.73	3.69	0.0	175.69	475.00
* 3220.000	500.00	566.53	0.0	8.34	0.0	90.62	680.00
* 3220.000	860.00	567.09	0.56	8.29	0.0	101.83	680.00
* 3220.000	1040.00	567.32	0.23	8.19	0.0	106.33	680.00
3220.000	1510.00	567.84	0.52	7.98	0.0	116.84	680.00
* 3540.000	500.00	573.09	0.0	6.55	0.0	71.29	320.00
* 3540.000	860.00	573.70	0.61	6.60	0.0	80.44	320.00
* 3540.000	1040.00	573.88	0.19	6.57	0.0	83.25	320.00
* 3540.000	1510.00	574.46	0.58	6.62	0.0	95.38	320.00

SUMMARY OF ERRORS

CAUTION	SECNO=	885.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	155.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	155.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	155.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	155.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	155.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	155.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	155.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	155.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	155.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	155.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	155.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	155.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	630.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	630.000	PRGFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	630.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	630.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	630.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	630.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	630.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	630.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	630.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	630.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	630.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	630.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1040.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1330.000	PROFILE=	1	WSEL ASSUMED BASED ON MIN DIFF
CAUTION	SECNO=	1330.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1330.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1330.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3220.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3220.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3220.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3540.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3540.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3540.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	3540.000	PROFILE=	4	CRITICAL DEPTH ASSUMED

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FLOOD INSURANCE ZONE DATA FOR STILL BRANCH TRIBUTARY

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND%		
		10_	2_	0.2_
885.000	0.	-0.63	-0.18	0.44
80.000	170.	-0.91	-0.24	0.55
155.000	245.	-0.93	-0.25	0.47
205.000	295.	-0.51	-0.15	0.30
250.000	340.	-0.60	-0.18	0.39
630.000	720.	-0.91	-0.28	0.64
1040.000	1130.	-1.48	-0.38	0.75
1330.000	1420.	-1.73	-0.52	1.26
1390.000	1480.	-1.50	-0.28	0.45
1530.000	1620.	-1.75	-0.38	0.79
2065.000	2155.	-1.96	-0.45	0.93
2540.000	2630.	-0.93	-0.32	0.73
3220.000	3310.	-0.79	-0.23	0.52
3540.000	3630.	-0.80	-0.19	0.58

WEIGHTED AVG FOR REACH		-1.20	-0.32	0.69

FHE FOR THE REACH = 010 WITH 84.0 OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 2

MOORE BUSINESS FORMS, INC. 77 PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
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MOORE BUSINESS FORMS 27 PRINTED IN USA

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
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MODIFICATION - 50,51,52,53

NO. 1 BUSINESS FORM 4-78 PRINTED IN USA