

T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 10 YR NATURAL  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	6.	-0	-0	.000500	-0	-0	-0	142,000	-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	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0	201.000	-0	-0	-0	-0	-0	-0
NC	.050	.050	.015	.100	.300	-0	-0	-0	-0	-0
QT	7.000	1350.000	1350.000	1350.000	1350.000	550.000	1100.000	2550.000	-0	-0
ET	-0	-0	4000.200	-0	-0	-0	-0	-0	-0	-0
X1	1.000	18.000	490.000	517.000	-0	-0	-0	-0	-0	-0
GR	149.800	6.000	148.200	50.000	147.200	100.000	145.700	150.000	145.000	200.000
GR	145.100	250.000	144.600	300.000	144.200	350.000	144.700	400.000	144.200	450.000
GR	144.700	490.000	143.300	491.000	143.300	500.000	143.600	515.000	144.700	517.000
GR	145.000	550.000	145.900	600.000	149.800	637.000	-0	-0	-0	-0
X1	50.000	15.000	215.000	600.000	50.000	50.000	50.000	-0	-0	-0
GR	149.800	50.000	148.100	100.000	146.600	150.000	146.000	200.000	140.900	215.000
GR	138.100	250.000	135.300	310.000	135.800	350.000	135.000	400.000	134.900	450.000
GR	135.600	500.000	136.700	550.000	138.700	600.000	146.000	650.000	150.600	700.000
QT	7.000	1150.000	1150.000	1150.000	1150.000	450.000	900.000	2100.000	-0	-0
X1	400.000	-0	-0	-0	350.000	350.000	350.000	2.000	-0	-0
X1	1000.000	-0	-0	-0	600.000	600.000	600.000	.250	-0	-0
ET	-0	-0	80.200	-0	-0	-0	-0	-0	-0	-0
QT	7.000	1030.000	1030.000	1030.000	1030.000	380.000	800.000	1920.000	-0	-0
X1	1500.000	15.000	200.000	210.000	500.000	500.000	500.000	-0	-1.500	-0
GR	157.300	90.000	156.400	100.000	150.700	150.000	146.900	172.000	144.600	200.000
GR	143.600	202.000	143.400	206.000	143.300	208.000	144.700	210.000	143.900	250.000
GR	144.800	300.000	149.500	350.000	152.300	400.000	154.900	450.000	157.300	465.000
QT	7.000	850.000	850.000	850.000	850.000	300.000	640.000	1600.000	-0	-0
X1	2250.000	-0	-0	-0	750.000	750.000	750.000	-0	1.500	-0
NC	.100	.100	.020	-0	-0	-0	-0	-0	-0	-0
X1	2300.000	14.000	200.000	211.300	50.000	50.000	50.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	147.100	147.100	-0
GR	157.300	90.000	156.400	100.000	150.700	150.000	146.900	172.000	144.600	200.000
GR	142.100	200.000	142.100	211.300	144.700	211.300	143.900	250.000	144.800	300.000
GR	149.500	350.000	152.300	400.000	154.900	450.000	157.300	465.000	-0	-0
SU	1.250	2.090	2.500	0	11.300	3.500	39.200	0	142.500	142.100
ET	-0	-0	50.200	-0	-0	-0	-0	-0	-0	-0
X1	2400.000	-0	-0	-0	100.000	100.000	100.000	-0	-0	-0

X2	0	0	1,000	147,500	152,100	0	0	0	0	0
X3	10,000	0	0	0	0	0	0	152,100	152,100	0
BT	8,000	100,000	156,400	0	150,000	152,300	0	200,000	152,100	147,500
BT	211,300	152,100	147,500	300,000	152,600	0	350,000	154,200	0	400,000
BT	157,300	0	465,000	157,300	0	0	0	0	0	0
NC	,100	,100	,040	0	0	0	0	0	0	0
X1	2450,000	15,000	200,000	210,000	50,000	50,000	50,000	0	0	0
GR	157,300	90,000	156,400	100,000	150,700	150,000	146,900	172,000	144,600	200,000
GR	143,600	202,000	143,400	206,000	143,300	208,000	144,700	210,000	143,900	250,000
GR	144,800	300,000	149,500	350,000	152,300	400,000	154,900	450,000	157,300	465,000
EJ	0	0	0	0	0	0	0	0	0	0

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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 50 YR NATURAL  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	7.	-0	-0	.000500	-0	-0	-0	144.000	-0

  

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	2.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 2

CCHV= .100 CEHV= .300  
 \*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.00	3.23	146.53	0	144.00	146.65	.12	0	0	144.70
1100.	629.	379.	91.	627.	83.	111.	0	0	144.70
0	1.00	4.59	.82	.050	.015	.050	0	143.30	122.30
.000509	-0	-0	-0	0	0	5	0	483.69	605.99

\*SECNO 50.000

50.00	11.76	146.66	0	0	146.67	.00	.00	.01	140.90
1100.	2.	1088.	10.	67.	3987.	218.	3.	1.	138.70
.05	.03	.27	.04	.050	.015	.050	.015	134.90	147.83
.000000	50.	50.	50.	2	0	1	0	509.39	657.23

\*SECNO 400.000

400.00	11.77	146.67	0	0	146.67	.00	.00	.00	140.90
900.	2.	890.	8.	133.	7975.	436.	54.	7.	138.70
.93	.01	.11	.02	.050	.015	.050	.015	134.90	245.59
.000000	350.	350.	350.	2	0	1	0	1018.89	1264.48

\*SECNO 1000.000

1000.00	11.76	146.66	0	0	146.67	.00	.00	.00	140.90
900.	1.	891.	8.	33.	1994.	109.	128.	15.	138.70
1.31	.04	.45	.07	.050	.015	.050	.015	134.90	90.90
.000001	600.	600.	600.	0	0	1	0	254.72	353.62

\*SECNO 1500.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 100 YR NATURAL  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	2.	-0	*0	.000500	-0	-0	-0	146.000	-0

  

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	TBW	CHNIM	ITRACE
	3.000	-0	-1.000	*0	-0	-0	-0	-0	-0	*0

\*PROF 3

CCHV= .100 CEHV= .300

*SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.00	3.51	146.81	0	146.00	146.94	.13	0	0	144.70
1350.	791.	435.	124.	730.	90.	137.	0	0	144.70
0	1.08	4.83	.91	.050	.015	.050	0	143.30	113.03
.000499	-0	-0	-0	0	0	5	0	495.60	608.63
*SECNO 50,000									
50.00	12.05	146.95	0	0	146.95	.00	.00	.01	140.90
1350.	3.	1334.	13.	87.	4096.	235.	3.	1.	138.70
.04	.03	.33	.05	.050	.015	.050	.015	134.90	138.38
.000000	50.	50.	50.	2	0	1	0	521.93	660.31
*SECNO 400,000									
400.00	12.05	146.95	0	0	146.95	.00	.00	.00	140.90
1150.	2.	1137.	11.	174.	8194.	470.	56.	7.	138.70
.75	.01	.14	.02	.050	.015	.050	.015	134.90	226.66
.000000	350.	350.	350.	2	0	1	0	1044.00	1270.66
*SECNO 1000,000									
1000.00	12.05	146.95	0	0	146.95	.00	.00	.00	140.90
1150.	2.	1137.	11.	44.	2048.	117.	132.	16.	138.70
1.05	.05	.56	.09	.050	.015	.050	.015	134.90	94.16
.000001	600.	600.	600.	0	0	1	0	261.00	355.16

\*SECNO 1500,000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 500 YR NATURAL  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	8.	-0	-0	.000500	-0	-0	-0	148.000	-0

  

J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 4

CCHV= .100 CEHV= .300

\*SECNO 1.000

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.00	4.56	147.86	0	148.00	148.02	.16	0	0	144.70
2550.	1579.	681.	291.	1147.	118.	238.	0	0	144.70
0	1.38	5.75	1.22	.050	.015	.050	0	143.30	67.10
.000492	-0	-0	-0	0	0	4	0	551.47	618.58

\*SECNO 50.000

50.00	13.13	148.03	0	0	148.03	.00	.00	.02	140.90
2550.	11.	2509.	30.	189.	4511.	306.	4.	1.	138.70
.03	.06	.56	.10	.050	.015	.050	.015	134.90	102.45
.000001	50.	50.	50.	2	0	1	0	569.58	672.03

\*SECNO 400.000

400.00	13.13	148.03	0	0	148.03	.00	.00	.00	140.90
2100.	9.	2066.	25.	379.	9026.	613.	64.	8.	138.70
.46	.02	.23	.04	.050	.015	.050	.015	134.90	154.60
.000000	350.	350.	350.	2	0	1	0	1139.55	1294.15

\*SECNO 1000.000

1000.00	13.12	148.02	0	0	148.04	.01	.00	.00	140.90
2100.	9.	2067.	24.	95.	2257.	153.	150.	17.	138.70
.64	.09	.92	.16	.050	.015	.050	.015	134.90	76.14
.000003	600.	600.	600.	0	0	1	0	284.90	361.04

\*SECNO 1500.000

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

SUMMARY PRINTOUT

COUNTRY CLUB BR LFT FORK

SECNO	CWSEL	O	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1.00	145.83	550.00	143.30	145.93	.10	4.93	0	450.20	145.76	595.96	3.8
1.00	146.53	1100.00	143.30	146.65	.12	5.09	.70	483.69	122.30	605.99	4.5
1.00	146.81	1350.00	143.30	146.94	.13	4.99	.28	495.60	113.03	608.63	4.8
1.00	147.86	2550.00	143.30	148.02	.16	4.92	1.05	551.47	67.10	618.58	5.7
50.00	145.94	550.00	134.90	145.94	.00	.00	0	449.42	200.18	649.59	.1
50.00	146.66	1100.00	134.90	146.67	.00	.00	.72	509.39	147.83	657.23	.2
50.00	146.95	1350.00	134.90	146.95	.00	.00	.28	521.93	138.38	660.31	.3
50.00	148.03	2550.00	134.90	148.03	.00	.01	1.08	569.58	102.45	672.03	.5
400.00	145.94	450.00	134.90	145.94	.00	.00	0	898.84	350.35	1249.19	.0
400.00	146.67	900.00	134.90	146.67	.00	.00	.73	1018.89	245.59	1264.48	.1
400.00	146.95	1150.00	134.90	146.95	.00	.00	.28	1044.00	226.66	1270.66	.1
400.00	148.03	2100.00	134.90	148.03	.00	.00	1.08	1139.55	154.60	1294.15	.2
1000.00	145.94	450.00	134.90	145.94	.00	.00	0	224.71	125.09	349.80	.2
1000.00	146.66	900.00	134.90	146.67	.00	.01	.72	254.72	98.90	353.62	.4
1000.00	146.95	1150.00	134.90	146.95	.00	.01	.28	261.00	94.16	355.16	.5
1000.00	148.02	2100.00	134.90	148.04	.01	.03	1.08	284.90	76.14	361.04	.9
1500.00	145.91	380.00	141.80	145.96	.05	1.70	0	158.70	169.05	327.76	2.9
1500.00	146.58	800.00	141.80	146.70	.12	3.75	.67	169.79	165.15	334.93	4.9
1500.00	146.84	1030.00	141.80	147.00	.17	4.93	.25	173.93	163.69	337.62	5.8
1500.00	147.81	1920.00	141.80	148.13	.32	7.80	.98	189.97	158.03	348.01	8.3
2250.00	146.07	300.00	143.30	146.19	.12	7.11	0	131.35	182.14	313.48	4.5
2250.00	146.92	640.00	143.30	147.12	.21	8.82	.85	150.63	171.90	322.53	6.1
2250.00	147.26	850.00	143.30	147.53	.26	10.04	.35	156.37	169.88	326.24	7.2
2250.00	148.45	1600.00	143.30	148.82	.37	10.75	1.18	175.82	163.02	338.84	8.8
2300.00	145.59	300.00	142.10	146.49	.90	35.01	0	11.30	200.00	211.30	7.6
2300.00	146.68	640.00	142.10	149.05	2.38	70.22	1.08	11.30	200.00	211.30	12.3
2300.00	147.15	850.00	142.10	147.67	.52	21.30	.47	154.52	170.53	325.05	7.8
2300.00	148.22	1600.00	142.10	149.04	.82	29.51	1.07	172.17	164.31	336.48	10.5
2400.00	148.03	300.00	142.10	148.34	.31	7.16	0	11.30	200.00	211.30	4.4
2400.00	152.69	640.00	142.10	152.71	.01	.35	4.66	275.22	132.46	407.68	1.6
2400.00	153.13	850.00	142.10	153.15	.02	.51	.44	287.32	128.67	415.99	2.0
2400.00	154.08	1600.00	142.10	154.13	.05	1.23	.94	313.74	120.39	434.14	3.3
2450.00	148.38	300.00	143.30	148.39	.01	1.85	0	174.62	163.44	338.06	1.3
2450.00	152.70	640.00	143.30	152.71	.00	.52	4.33	275.37	132.41	407.78	1.1
2450.00	153.15	850.00	143.30	153.16	.01	.74	.45	287.85	128.51	416.35	1.3
2450.00	154.12	1600.00	143.30	154.14	.02	1.70	.97	315.06	119.98	435.04	2.2

FLOOD INSURANCE ZONE DATA FOR COUNTRY CLUB RR LFT FORK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
1.000	0	-1.0	0.3	1.0
50.000	50.	-1.0	0.3	1.1
400.000	400.	-1.0	0.3	1.1
1000.000	1000.	-1.0	0.3	1.1
1500.000	1500.	-0.9	0.3	1.0
2250.000	2250.	-1.2	0.3	1.2
2300.000	2300.	-1.6	0.5	1.1
2400.000	2400.	-5.1	0.4	0.9
2450.000	2450.	-4.8	0.4	1.0
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WEIGHTED AVG FOR REACH		-1.2	0.3	1.1

FHF FOR THE REACH = 010 WITH 93.9% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 2

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POSSIBLE ERROR SECNO= 2300.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 2300.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

SUMMARY PRINTOUT

COUNTRY CLUB BR MOUTH TO

SECNO	CWSEL	Q	ELMIN	FG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1.00	118.01	560.00	113.00	118.15	.13	40.24	0	105.70	234.67	340.37	4.3
1.00	119.44	1100.00	113.00	119.61	.16	40.02	1.43	173.61	202.50	376.11	5.1
1.00	120.11	1450.00	113.00	120.29	.17	39.98	.67	210.31	184.84	395.16	5.5
1.00	121.67	2640.00	113.00	121.86	.19	39.87	1.56	350.57	114.72	465.28	6.3
5.00	118.03	560.00	113.00	118.17	.13	39.55	0	106.46	234.31	340.77	4.3
5.00	119.46	1100.00	113.00	119.62	.16	39.48	1.43	174.37	202.14	376.51	5.1
5.00	120.13	1450.00	113.00	120.30	.17	39.46	.67	211.75	184.12	395.88	5.4
5.00	121.69	2640.00	113.00	121.88	.19	39.41	1.56	352.00	114.00	466.00	6.2
10.00	118.06	560.00	113.00	118.19	.13	38.72	0	107.41	233.86	341.27	4.2
10.00	119.49	1100.00	113.00	119.64	.16	38.82	1.43	175.32	201.69	377.01	5.0
10.00	120.16	1450.00	113.00	120.32	.17	38.82	.67	213.54	183.23	396.77	5.4
10.00	121.71	2640.00	113.00	121.90	.18	38.85	1.56	353.79	113.11	466.89	6.2
25.00	118.12	560.00	113.00	118.24	.12	36.20	0	110.44	232.42	342.86	4.1
25.00	119.55	1100.00	113.00	119.70	.15	36.77	1.43	178.36	200.25	378.61	4.9
25.00	120.22	1450.00	113.00	120.38	.16	36.82	.67	219.35	180.33	399.67	5.3
25.00	121.78	2640.00	113.00	121.96	.17	37.07	1.56	359.61	110.19	469.81	6.1
50.00	118.21	560.00	113.20	118.34	.13	40.53	0	105.39	234.82	340.20	4.3
50.00	119.64	1100.00	113.20	119.80	.16	40.21	1.43	173.35	202.62	375.97	5.1
50.00	120.31	1450.00	113.20	120.48	.17	40.15	.67	209.86	185.07	394.93	5.5
50.00	121.87	2640.00	113.20	122.06	.19	40.00	1.56	350.15	114.92	465.08	6.3
100.00	118.41	560.00	113.40	118.55	.14	40.64	0	105.27	234.87	340.14	4.3
100.00	119.84	1100.00	113.40	120.00	.16	40.47	1.43	172.99	202.79	375.78	5.1
100.00	120.51	1450.00	113.40	120.68	.17	40.40	.67	209.17	185.41	394.59	5.5
100.00	122.07	2640.00	113.40	122.26	.19	40.21	1.56	349.49	115.25	464.75	6.3
500.00	120.20	560.00	115.40	120.36	.16	50.52	0	101.53	236.49	338.02	4.7
500.00	121.60	1100.00	115.40	121.80	.19	49.30	1.40	162.19	207.91	370.10	5.5
500.00	122.27	1450.00	115.40	122.47	.21	48.97	.66	193.64	193.01	386.65	5.9
500.00	123.81	2640.00	115.40	124.03	.23	48.41	1.54	326.71	126.65	453.35	6.8
780.00	121.69	560.00	117.00	121.87	.18	57.03	0	99.62	237.30	336.93	4.9
780.00	123.06	1100.00	117.00	123.28	.22	56.03	1.37	155.35	211.15	366.50	5.8
780.00	123.71	1450.00	117.00	123.94	.23	55.60	.65	186.27	196.50	382.77	6.2
780.00	125.23	2640.00	117.00	125.49	.25	55.08	1.52	311.12	134.44	445.56	7.1
820.00	121.83	560.00	117.00	122.06	.23	31.66	0	30.00	285.00	315.00	3.8
820.00	123.08	1100.00	117.00	123.65	.56	58.32	1.25	30.00	285.00	315.00	6.0
820.00	123.81	1450.00	117.00	124.44	.83	77.61	.53	30.00	285.00	315.00	7.3
820.00	124.45	2640.00	117.00	126.62	2.16	176.80	.84	30.00	285.00	315.00	11.8
845.00	121.85	560.00	117.00	122.08	.23	31.20	0	30.00	285.00	315.00	3.8
845.00	123.15	1100.00	117.00	123.71	.55	56.12	1.30	30.00	285.00	315.00	5.9
845.00	123.94	1450.00	117.00	124.69	.75	66.78	.78	30.00	285.00	315.00	6.9
845.00	126.69	2640.00	117.00	126.80	.11	11.36	2.75	442.30	65.39	507.69	3.7
900.00	122.09	560.00	117.50	122.36	.28	84.31	0	169.49	177.07	286.56	5.8
900.00	123.89	1100.00	117.50	124.06	.17	44.02	1.80	265.26	168.06	433.32	5.3
900.00	124.94	1450.00	117.50	125.04	.10	26.38	1.05	325.13	162.76	487.90	4.6
900.00	126.80	2640.00	117.50	126.88	.08	19.33	1.86	402.54	153.49	556.03	4.6



SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
950.00	122.63	560.00	119.00	123.46	.83	295.41	0	73.70	181.84	255.54	9.3
950.00	123.97	1100.00	119.00	124.69	.72	207.87	1.34	123.97	175.14	299.11	9.7
950.00	124.97	1450.00	119.00	125.42	.45	118.81	1.01	198.32	170.11	368.44	8.4
950.00	126.87	2640.00	119.00	127.10	.24	59.47	1.89	344.26	160.64	504.90	7.2
1700.00	126.87	560.00	122.50	126.91	.03	16.77	0	207.47	115.63	323.10	2.5
1700.00	128.06	1100.00	122.50	128.11	.05	18.46	1.19	231.63	109.51	341.14	3.1
1700.00	128.56	1450.00	122.50	128.62	.06	20.97	.49	243.94	105.82	349.76	3.5
1700.00	129.89	2640.00	122.50	129.98	.10	26.40	1.33	277.23	95.83	373.06	4.6
3200.00	132.22	560.00	128.50	132.52	.30	135.40	0	136.07	246.14	382.21	6.4
3200.00	133.36	1100.00	128.50	133.62	.26	100.03	1.14	167.41	226.19	393.60	6.6
3200.00	134.03	1450.00	128.50	134.27	.24	83.26	.67	185.84	214.60	400.44	6.6
3200.00	135.68	2640.00	128.50	135.92	.24	64.21	1.65	238.20	189.80	428.00	7.0
4000.00	133.51	560.00	129.00	133.52	.01	4.39	0	382.61	264.96	647.57	1.2
4000.00	134.67	1100.00	129.00	134.68	.01	5.07	1.16	411.86	253.25	665.12	1.6
4000.00	135.30	1450.00	129.00	135.32	.01	5.24	.64	447.50	242.36	689.86	1.7
4000.00	136.95	2640.00	129.00	136.97	.02	5.63	1.65	596.27	201.04	797.30	2.1
4060.00	132.91	560.00	129.30	134.01	1.10	283.47	0	19.00	290.00	309.00	8.4
4060.00	134.11	1100.00	129.30	136.47	2.36	437.25	1.20	19.00	290.00	309.00	12.3
4060.00	135.05	1450.00	129.30	137.90	2.85	436.11	.93	19.00	290.00	309.00	13.5
4060.00	137.62	2640.00	129.30	142.06	4.25	437.48	2.77	19.00	290.00	309.00	16.5
4140.00	133.69	560.00	129.80	134.64	.95	223.79	0	19.00	290.00	309.00	7.8
4140.00	135.90	1100.00	129.80	137.35	1.45	208.86	2.21	19.00	290.00	309.00	9.6
4140.00	136.10	1450.00	129.80	138.46	2.36	328.16	.20	19.00	290.00	309.00	12.3
4140.00	147.93	2640.00	129.80	147.94	.00	.18	11.83	639.22	290.00	929.22	.4
4200.00	134.89	560.00	130.00	134.90	.01	3.73	0	329.61	217.55	547.17	1.3
4200.00	137.67	1100.00	130.00	137.68	.01	1.66	2.78	391.71	179.97	571.68	1.1
4200.00	138.96	1450.00	130.00	138.97	.01	1.42	1.29	404.58	170.31	574.90	1.2
4200.00	147.93	2640.00	130.00	147.94	.00	.22	8.98	626.88	32.99	659.87	.7
4420.00	136.07	560.00	132.00	136.65	.58	184.96	0	188.00	274.63	462.63	8.0
4420.00	137.70	1100.00	132.00	137.83	.12	44.65	1.63	334.13	262.94	597.06	5.0
4420.00	139.01	1450.00	132.00	139.06	.05	16.66	1.30	360.30	249.92	610.23	3.5
4420.00	147.94	2640.00	132.00	147.94	.00	.56	8.93	607.34	81.23	688.57	1.1
4480.00	137.16	560.00	132.50	137.35	.20	66.15	0	270.88	271.72	542.61	5.2
4480.00	137.99	1100.00	132.50	138.16	.17	61.73	.83	329.81	265.10	594.90	5.7
4480.00	139.12	1450.00	132.50	139.19	.07	25.04	1.13	352.31	253.84	606.16	4.1
4480.00	147.94	2640.00	132.50	147.95	.01	.66	8.83	593.90	91.18	685.09	1.2

FLOOD INSURANCE ZONE DATA FOR COUNTRY CLUB BR MOUTH TO

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.2'
1,000	0	-2.1	-.7	1.6
5,000	4	-2.1	-.7	1.6
10,000	9	-2.1	-.7	1.6
25,000	24	-2.1	-.7	1.6
50,000	49	-2.1	-.7	1.6
100,000	99	-2.1	-.7	1.6
500,000	499	-2.1	-.7	1.5
780,000	779	-2.0	-.7	1.5
820,000	819	-1.8	-.5	.8
845,000	844	-2.1	-.8	2.8
900,000	899	-2.9	-1.0	1.9
950,000	949	-2.3	-1.0	1.9
1700,000	1699	-1.7	-.5	1.3
3200,000	3199	-1.8	-.7	1.7
4000,000	3949	-1.8	-.6	1.6
4060,000	3989	-2.1	-.9	2.8
4140,000	4069	-2.4	-.2	11.8
4200,000	4129	-4.1	-1.3	9.0
4420,000	4349	-2.9	-1.3	8.9
4480,000	4409	-2.0	-1.1	8.8
-----				
WEIGHTED AVG FOR REACH		-2.0	-.7	2.3

FHF FOR THE REACH = 020 WITH 93.6% OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A 4

POSSIBLE ERROR	SECNO=	950.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	4060.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	4420.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	4420.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL

\*\*\*\*\*  
INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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\* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF  
\* MODIFICATION 59 IS TO

\* (1) PROVIDE A NEW INTERPOLATION SCHEME FOR CALCULATING ENCROACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, LINEAR  
\* INTERPOLATION WAS USED TO CALCULATE ENCROACHMENTS. NOW, THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIMATION  
\* OF CONVEYANCE VERSUS DISTANCE.

\* (2) FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NH CARD TO VARY #N# VALUES IN THE CHANNEL. THE  
\* PROGRAM WILL NOW ALLOW BOTH A CHANGE IN #N# VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO #N#  
\* VARIATION IS DEFINED IN THE CHANNEL WHEN THE NH CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW CO  
\* TATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.

\* (3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.

\* (4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA  
\* TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CH  
\* AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SH  
\* BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID  
\* ELIC. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

\* (5) THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIE

\* THE PURPOSE OF ERROR CORRECTION 10 IS TO

\* (1) ALLOW THE USE OF THE EFFECTIVE AREA OPTION WHEN FLOW IS PRESSURE AND WEIR FLOW.

\* (2) CORRECT THE WETTED PERIMETER CALCULATION IN THE NORMAL BRIDGE ROUTINE.

\* (3) ACCOUNT FOR THE VERTICAL WALL AT THE ENCROACHMENT STATION WHEN CALCULATING CONVEYANCE.

\* A FORMAL CHANGE NOTICE CONCERNING THE ABOVE WILL BE MAILED IN APPROXIMATELY ONE MONTH. ANY QUESTIONS ABOUT THESE P  
\* CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2107 OR 448-3292).

C COUNTRY CLUB BR MOUTH TO DAM  
 T1 FPM5 BR FAYETTEVILLE NC FIS  
 T2 10 YR NATURAL  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	-0	-0	.004000	-0	-0	-0	118.000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0
J3	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0	201.000	-0	-0	-0	-0	-0	-0
OT	7.000	1450.000	1450.000	1450.000	1450.000	560.000	1100.000	2640.000	-0	-0
ET	-0	-0	200.200	-0	-0	-0	-0	-0	-0	-0
NC	.110	.110	.060	.200	.400	-0	-0	-0	-0	-0

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

X1	1.000	14.000	295.000	305.000	-0	-0	-0	-0	-4.000	-0
GR	128.000	0	126.000	100.000	124.000	190.000	122.000	235.000	120.000	250.000
GR	118.000	295.000	117.000	297.000	117.000	302.000	118.000	305.000	120.000	320.000
GR	122.000	340.000	124.000	390.000	126.000	480.000	128.000	560.000	-0	-0

X1	5.000	-0	-0	-0	4.000	4.000	4.000	-0	-0	-0
X1	10.000	-0	-0	-0	5.000	5.000	5.000	-0	-0	-0
X1	25.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
X1	50.000	-0	-0	-0	25.000	25.000	25.000	-0	.200	-0
X1	100.000	-0	-0	-0	50.000	50.000	50.000	-0	.200	-0
X1	500.000	-0	-0	-0	400.000	400.000	400.000	-0	2.000	-0
X1	780.000	-0	-0	-0	280.000	280.000	280.000	-0	1.600	-0

\*\*\*\* OPENING AND LOW CHORD APPROXIMATE \*\*\*\*

\*\*\*\* TOP OF ROAD FROM TOPO \*\*\*

\*\*\*\* ROSEHILL ROAD \*\*\*\*

X1	820.000	15.000	285.000	315.000	40.000	40.000	40.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	126.000	126.000	-0
GR	128.000	0	126.000	100.000	124.000	190.000	122.000	235.000	120.000	250.000
GR	117.000	285.000	117.000	293.000	117.000	297.000	117.000	303.000	117.000	307.000
GR	117.000	315.000	122.000	340.000	124.000	390.000	126.000	480.000	128.000	560.000

SB 1.250 1,360 2,500 0 30,000 1,000 203,000 0 117,000 117,000

X1	845.000	0	0	0	25,000	25,000	25,000	0	0	0
X2	0	0	1,000	124,000	126,000	0	0	0	0	0
X3	10,000	0	0	0	0	0	0	126,000	126,000	0
BT	6,000	0	128,000	0	255,000	126,000	0	285,000	126,300	0
BT	315,000	126,300	0	575,000	126,000	0	690,000	128,000	0	0

X1	900,000	19,000	195,000	205,000	55,000	55,000	55,000	0	-1,500	0
GR	140,000	50,000	138,000	70,000	136,000	105,000	134,000	120,000	132,000	130,000
GR	130,000	145,000	120,000	195,000	119,000	197,000	119,000	202,000	120,000	205,000
GR	120,000	210,000	122,000	235,000	124,000	300,000	125,000	370,000	125,000	410,000
GR	126,000	470,000	128,000	550,000	130,000	590,000	132,000	630,000	0	0

X1	950,000	0	0	0	50,000	50,000	50,000	0	1,500	0
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X1	1700,000	14,000	195,000	205,000	750,000	750,000	750,000	0	0	0
GR	140,000	0	130,000	95,000	128,000	110,000	126,000	120,000	124,000	150,000
GR	123,500	195,000	122,500	197,000	122,500	202,000	123,500	205,000	124,000	240,000
GR	126,000	310,000	128,000	340,000	130,000	375,000	140,000	480,000	0	0

X1	3200,000	20,000	295,000	305,000	1500,000	1500,000	1500,000	0	0	0
GR	150,000	50,000	140,000	140,000	138,000	165,000	136,000	185,000	134,000	215,000
GR	132,000	250,000	130,000	285,000	129,500	295,000	128,500	297,000	128,500	302,000
GR	129,500	305,000	130,000	310,000	132,000	380,000	134,000	400,000	140,000	500,000
GR	142,000	540,000	144,000	580,000	146,000	610,000	148,000	630,000	150,000	650,000

X1	4000,000	16,000	295,000	305,000	750,000	750,000	750,000	0	-1,000	0
GR	150,000	0	140,000	150,000	138,000	200,000	136,000	250,000	134,000	270,000
GR	132,000	285,000	131,500	295,000	130,000	297,000	130,000	302,000	131,500	305,000
GR	132,000	610,000	134,000	640,000	136,000	670,000	138,000	800,000	140,000	840,000
GR	150,000	960,000	0	0	0	0	0	0	0	0

\*\*\* OPENING DATA FROM CITY ENGINEER \*\*\*

\*\*\* TOP OF ROAD DATA FROM TOPO SHEET \*\*\*

\*\*\* COUNTRY CLUB DR \*\*\*

X1	4060,000	16,000	290,000	309,000	40,000	40,000	40,000	0	0	0
X3	10,000	0	0	0	0	0	0	149,000	147,000	0
GR	150,000	0	140,000	150,000	138,000	200,000	136,000	250,000	134,000	270,000
GR	132,000	285,000	131,500	290,000	129,300	291,000	129,300	308,000	131,500	309,000
GR	132,000	610,000	134,000	640,000	136,000	670,000	138,000	800,000	140,000	840,000
GR	150,000	960,000	0	0	0	0	0	0	0	0
SB	1,250	1,220	2,500	0	19,000	1,000	108,000	0	129,800	129,300
ET	0	0	150,200	0	0	0	0	0	0	0

X1	4140,000	0	0	0	80,000	80,000	80,000	0	500	0
X2	0	0	1,000	135,800	147,000	0	0	0	0	0
X3	10,000	0	0	0	0	0	0	149,000	147,000	0
RT	9,000	0	160,000	0	240,000	150,000	0	300,000	148,100	0
HT	340,000	148,000	0	410,000	147,000	0	560,000	148,000	0	650,000
BT	150,000	0	770,000	152,000	0	960,000	160,000	0	0	0

X1	4200,000	20,000	295,000	305,000	60,000	60,000	60,000	0	-1,000	0
GR	150,000	25,000	148,000	40,000	146,000	80,000	144,000	90,000	142,000	140,000

GR	140.000	170.000	138.000	185.000	136.000	215.000	134.000	260.000	132.000	280.000
GR	132.000	295.000	131.000	297.000	131.000	302.000	132.000	305.000	132.000	420.000
GR	134.000	500.000	136.000	550.000	138.000	570.000	140.000	575.000	150.000	670.000
X1	4420.000	10.000	295.000	305.000	220.000	220.000	220.000	-0	1.000	-0
GR	150.000	20.000	148.000	60.000	146.000	100.000	144.000	150.000	142.000	230.000
GR	140.000	240.000	138.000	250.000	130.000	270.000	134.000	280.000	132.000	295.000
GR	131.000	297.000	131.000	302.000	132.000	305.000	134.000	315.000	136.000	590.000
GR	138.000	610.000	140.000	640.000	150.000	710.000	-0	-0	-0	-0

\*\*\*\* DOWNSTREAM OF DAM \*\*\*\*

X1	4480.000	-0	-0	-0	60.000	60.000	60.000	-0	.500	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 50 YR NATURAL  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	.10.	7.	-0	-0	.004000	-0	-0	-0	120.000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 2

CCHV= .200 CEHV= .400  
 \*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OCROSS	BANK ELEV
Q	GLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WYN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

1.00	6.44	119.44	0	120.00	119.61	.16	0	0	114.00
1100.	534.	319.	247.	260.	62.	142.	0	0	114.00
0	2.05	5.15	1.74	.110	.060	.110	0	113.00	202.50
.004002	-0	-0	-0	0	0	5	0	173.61	376.11

\*SECNO 5.000

5.00	6.46	119.46	0	0	119.62	.16	.02	.00	114.00
1100.	535.	318.	247.	262.	62.	143.	0.	0.	114.00
.00	2.04	5.12	1.73	.110	.060	.110	.048	113.00	202.14
.003948	4.	4.	4.	0	0	1	0	174.37	376.51

\*SECNO 10.000

10.00	6.49	119.49	0	0	119.64	.16	.02	.00	114.00
1100.	535.	317.	248.	263.	62.	144.	0.	0.	114.00
.00	2.03	5.09	1.72	.110	.060	.110	.049	113.00	201.69
.003882	5.	5.	5.	0	0	1	0	175.32	377.01

\*SECNO 25.000

25.00	6.55	119.55	0	0	119.70	.15	.06	.00	114.00
1100.	536.	314.	250.	270.	63.	149.	0.	0.	114.00
.00	1.99	4.99	1.68	.110	.060	.110	.053	113.00	200.25

\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 100 YR NATURAL  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	10.	2.	-0	-0	004000	-0	-0	-0	122,000	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIN	ITRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15,000

\*PROF 3

CCHV= .200 CEHV= .400  
 \*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

1.00	7.11	120.11	0	122.00	120.29	.17	0	0	114.00
1450.	714.	378.	358.	327.	69.	195.	0	0	114.00
0	2.18	5.51	1.83	.110	.060	.110	0	113.00	184.84
.003998	-0	-0	-0	0	0	4	0	210.31	395.16

FLOW DISTRIBUTION

STA=	185.	235.	250.	295.	305.	320.	340.	390.	395.
PER Q=	3.2	5.8	40.2	26.1	13.3	7.8	3.5	.0	
AREA=	50.5	46.7	230.2	68.6	76.7	62.3	55.7	.3	
VEL=	.9	1.8	2.5	5.5	2.5	1.8	.9	.1	
*SECNO 5.000									
5.00	7.13	120.13	0	0	120.30	.17	.02	.00	114.00
1450.	714.	377.	359.	329.	69.	196.	0.	0.	114.00
.00	2.17	5.48	1.82	.110	.060	.110	.048	113.00	184.12
.003946	4.	4.	4.	0	0	1	0	211.75	395.88

FLOW DISTRIBUTION

STA=	184.	235.	250.	295.	305.	320.	340.	390.	396.
PER Q=	3.2	5.8	40.2	26.0	13.3	7.8	3.6	.0	



\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 500 YR NATURAL  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	8.	-0	-0	.004000	-0	-0	-0	124.000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 4

CCHV= .200 GEHV= .400  
 \*SECNO 1.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

1.00	8.67	121.67	0	124.00	121.86	.19	0	0	114.00
2640.	1319.	531.	790.	554.	84.	390.	0	0	114.00
0	2.38	6.31	2.02	.110	.060	.110	0	113.00	114.72
.003987	-0	-0	-0	0	0	4	0	350.57	465.28

\*SECNO 5.000

5.00	8.69	121.69	0	0	121.88	.19	.02	.00	114.00
2640.	1319.	530.	791.	557.	84.	393.	0.	0.	114.00
.00	2.37	6.28	2.02	.110	.060	.110	.048	113.00	114.00
.003941	4.	4.	4.	0	0	1	0	352.00	466.00

\*SECNO 10.000

10.00	8.71	121.71	0	0	121.90	.18	.02	.00	114.00
2640.	1319.	528.	793.	560.	85.	396.	0.	0.	114.00
.00	2.35	6.24	2.00	.110	.060	.110	.049	113.00	113.11
.003885	5.	5.	5.	0	0	1	0	353.79	466.89

\*SECNO 25.000

25.00	8.78	121.78	0	0	121.96	.17	.06	.00	114.00
2640.	1319.	523.	798.	572.	85.	407.	1.	0.	114.00
.00	2.31	6.13	1.96	.110	.060	.110	.053	113.00	110.19

SUMMARY PRINTOUT

COUNTRY CLUB BR MOUTH TO

SECNO	CWSEL	O	ELMIN	EG	HV	DIFWSP
1.00	120.10	1450.00	113.00	120.27	.17	0
1.00	121.10	1450.00	113.00	121.19	.09	1.00
5.00	120.12	1450.00	113.00	120.29	.17	0
5.00	121.11	1450.00	113.00	121.20	.09	.99
10.00	120.14	1450.00	113.00	120.31	.17	0
10.00	121.12	1450.00	113.00	121.21	.09	.98
25.00	120.21	1450.00	113.00	120.37	.16	0
25.00	121.15	1450.00	113.00	121.24	.09	.94
50.00	120.30	1450.00	113.20	120.47	.17	0
50.00	121.19	1450.00	113.20	121.29	.10	.89
100.00	120.50	1450.00	113.40	120.68	.18	0
100.00	121.29	1450.00	113.40	121.40	.10	.79
500.00	122.27	1450.00	115.40	122.47	.21	0
500.00	122.44	1450.00	115.40	122.62	.18	.17
780.00	123.71	1450.00	117.00	123.94	.23	0
780.00	123.75	1450.00	117.00	123.97	.22	.04
820.00	123.61	1450.00	117.00	124.44	.83	0
820.00	123.64	1450.00	117.00	124.47	.82	.03
845.00	123.94	1450.00	117.00	124.69	.75	0
845.00	123.98	1450.00	117.00	124.72	.75	.04
900.00	124.94	1450.00	117.50	125.04	.10	0
900.00	124.92	1450.00	117.50	125.11	.19	.02
950.00	124.97	1450.00	119.00	125.42	.45	0
950.00	125.07	1450.00	119.00	125.52	.45	.09
1700.00	128.56	1450.00	122.50	128.67	.06	0
1700.00	128.62	1450.00	122.50	128.69	.06	.07
3200.00	134.03	1450.00	128.50	134.27	.24	0
3200.00	134.05	1450.00	128.50	134.29	.24	.03
4000.00	135.30	1450.00	129.00	135.32	.01	0
4000.00	135.98	1450.00	129.00	136.01	.03	.67
* 4060.00	135.05	1450.00	129.30	137.90	2.85	0
* 4060.00	135.05	1450.00	129.30	137.90	2.85	.00
* 4140.00	136.10	1450.00	129.80	138.46	2.36	0
* 4140.00	136.10	1450.00	129.80	138.46	2.36	.00
4200.00	138.96	1450.00	130.00	138.97	.01	0
4200.00	139.01	1450.00	130.00	139.05	.04	.05

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
4420.00	139.01	1450.00	132.00	139.06	.05	0
4420.00	139.19	1450.00	132.00	139.44	.24	.18
4480.00	139.12	1450.00	132.50	139.19	.07	0
4480.00	139.50	1450.00	132.50	139.77	.27	.38



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SUMMARY PRINTOUT

COUNTRY CLUB BR MOUTH TO

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1.00	0	185.50	295.00	305.00	394.50	209.00
1.00	1.00	200.00	295.00	305.00	400.00	200.00
5.00	0	184.77	295.00	305.00	395.23	210.46
5.00	.99	200.00	295.00	305.00	400.00	200.00
10.00	0	183.87	295.00	305.00	396.13	212.27
10.00	.98	200.00	295.00	305.00	400.00	200.00
25.00	0	180.93	295.00	305.00	399.07	218.15
25.00	.94	200.00	295.00	305.00	400.00	200.00
50.00	0	185.62	295.00	305.00	394.38	208.75
50.00	.89	200.00	295.00	305.00	400.00	200.00
100.00	0	185.87	295.00	305.00	394.13	208.25
100.00	.79	200.00	295.00	305.00	400.00	200.00
500.00	0	193.03	295.00	305.00	386.63	193.60
500.00	.17	200.00	295.00	305.00	391.76	191.76
780.00	0	196.51	295.00	305.00	382.77	186.26
780.00	.04	200.00	295.00	305.00	383.66	183.66
820.00	0	285.00	285.00	315.00	315.00	30.00
820.00	.03	285.00	285.00	315.00	315.00	30.00
845.00	0	285.00	285.00	315.00	315.00	30.00
845.00	.04	285.00	285.00	315.00	315.00	30.00
900.00	0	162.76	195.00	205.00	407.89	325.13
900.00	-.02	162.87	195.00	205.00	300.00	137.13
950.00	0	170.11	195.00	205.00	368.43	198.31
950.00	.09	169.65	195.00	205.00	300.00	130.35
1700.00	0	105.82	195.00	205.00	349.76	243.94
1700.00	.07	120.00	195.00	205.00	320.00	200.00
3200.00	0	214.60	295.00	305.00	400.44	185.84
3200.00	.03	214.19	295.00	305.00	400.00	185.81
4000.00	0	242.36	295.00	305.00	689.86	447.50
4000.00	.67	295.00	295.00	305.00	495.00	200.00
* 4060.00	0	290.00	290.00	309.00	309.00	19.00
* 4060.00	.00	290.00	290.00	309.00	309.00	19.00
* 4140.00	0	290.00	290.00	309.00	309.00	19.00
* 4140.00	.00	290.00	290.00	309.00	309.00	19.00
4200.00	0	170.31	295.00	305.00	574.90	404.58
4200.00	.05	225.00	295.00	305.00	375.00	150.00

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
4420.00	0	249.92	295.00	305.00	610.23	360.30
4420.00	.18	249.04	295.00	305.00	375.00	125.96
4480.00	0	253.84	295.00	305.00	606.16	352.31
4480.00	.38	250.00	295.00	305.00	375.00	125.00

FLOODWAY DATA,  
PROFILE NO. 2

COUNTRY CLUB RR MOUTH TO

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	200.	784.	1.8	121.1	120.1	1.0
5.000	200.	786.	1.8	121.1	120.1	1.0
10.000	200.	788.	1.8	121.1	120.1	1.0
25.000	200.	793.	1.8	121.1	120.2	.9
50.000	200.	763.	1.9	121.2	120.3	.9
100.000	200.	742.	2.0	121.3	120.5	.8
500.000	192.	573.	2.5	122.4	122.3	.2
780.000	184.	518.	2.8	123.7	123.7	.0
820.000	30.	199.	7.3	123.6	123.6	.0
845.000	30.	209.	6.9	124.0	123.9	.0
900.000	137.	566.	2.6	124.9	124.9	.0
950.000	130.	384.	3.8	125.1	125.0	.1
A 1700.000	200.	835.	1.7	128.6	128.6	.1
3200.000	186.	496.	2.9	134.1	134.0	.0
4000.000	200.	1079.	1.3	136.0	135.3	.7
4060.000	19.	107.	13.5	135.0	135.0	.0
4140.000	19.	118.	12.3	136.1	136.1	.0
B 4200.000	150.	1092.	1.3	139.0	139.0	.1
4420.000	126.	494.	2.9	139.2	139.0	.2
4480.000	125.	469.	3.1	139.5	139.1	.4

POSSIBLE ERROR SECNO= 4060.00 PROFILE=

1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 4060.00 PROFILE=

1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 4060.00 PROFILE=

2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 4060.00 PROFILE=

2 20 TRIALS REQUIRED TO BALANCE WSEL

\*\*\*\*\*  
INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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\*\*\*\*\*  
\* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF  
\* ICATION 59 IS TO

\* [1] PROVIDE A NEW INTERPOLATION SCHEME FOR CALCULATING ENCROACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, L  
\* INTERPOLATION WAS USED TO CALCULATE ENCROACHMENTS. NOW, THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIM  
\* OF CONVEYANCE VERSUS DISTANCE.

\* [2] FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NH CARD TO VARY #N# VALUES IN THE CHANNEL. T  
\* PROGRAM WILL NOW ALLOW BOTH A CHANGE IN #N# VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO #N  
\* VARIATION IS DEFINED IN THE CHANNEL WHEN THE NH CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW CO  
\* TATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.

\* [3] COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.

\* [4] EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA  
\* TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CH  
\* AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SH  
\* BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID  
\* ELLC. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

\* [5] THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIE

\* THE PURPOSE OF ERROR CORRECTION 10 IS TO

\* [1] ALLOW THE USE OF THE EFFECTIVE AREA OPTION WHEN FLOW IS PRESSURE AND WEIR FLOW.

\* [2] CORRECT THE WETTED PERIMETER CALCULATION IN THE NORMAL BRIDGE ROUTINE.

\* [3] ACCOUNT FOR THE VERTICAL WALL AT THE ENCROACHMENT STATION WHEN CALCULATING CONVEYANCE.

\* A FORMAL CHANGE NOTICE CONCERNING THE ABOVE WILL BE MAILED IN APPROXIMATELY ONE MONTH. ANY QUESTIONS ABOUT THESE P  
\* CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2105 OR 448-3292).

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C COUNTRY CLUB BR MOUTH TO DAM  
 T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 100 YR NATURAL  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	CHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0	-0	-0	-0	-0	-0	120,100	-0
J2	NPROF	PLOT	PRFVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	TRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15,000
J3	-2,000	1,000	43,000	42,000	3,000	10,000	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	200,000	0	-0	-0
QT	7,000	1450,000	1450,000	1450,000	1450,000	560,000	1100,000	2640,000	-0	-0
ET	-0	-0	200,200	-0	-0	-0	-0	-0	-0	-0
NC	.110	.110	.060	.200	.400	-0	-0	-0	-0	-0

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

X1	1,000	14,000	295,000	305,000	-0	-0	-0	-0	4,000	-0
GR	128,000	0	126,000	100,000	124,000	190,000	122,000	235,000	120,000	250,000
GR	118,000	295,000	117,000	297,000	117,000	302,000	118,000	305,000	120,000	320,000
GR	122,000	340,000	124,000	390,000	126,000	480,000	128,000	560,000	-0	-0

X1	5,000	-0	-0	-0	4,000	4,000	4,000	-0	-0	-0
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X1	10,000	-0	-0	-0	5,000	5,000	5,000	-0	-0	-0
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X1	25,000	-0	-0	-0	15,000	15,000	15,000	-0	-0	-0
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X1	50,000	-0	-0	-0	25,000	25,000	25,000	-0	.200	-0
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X1	100,000	-0	-0	-0	50,000	50,000	50,000	-0	.200	-0
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X1	500,000	-0	-0	-0	400,000	400,000	400,000	-0	2,000	-0
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X1	780,000	-0	-0	-0	280,000	280,000	280,000	-0	1,600	-0
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\*\*\*\* OPENING AND LOW CHORD APPROXIMATE \*\*\*\*

\*\*\*\* TOP OF ROAD FROM TOPO \*\*\*\*

\*\*\*\* ROSEHILL ROAD \*\*\*\*

X1	820,000	15,000	285,000	315,000	40,000	40,000	40,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	126,000	126,000	-0
GR	128,000	0	126,000	100,000	124,000	190,000	122,000	235,000	120,000	250,000
GR	117,000	285,000	117,000	293,000	117,000	297,000	117,000	303,000	117,000	307,000
GR	117,000	315,000	122,000	340,000	124,000	390,000	126,000	480,000	128,000	560,000



SB 1,250 1,380 2,500 -0 30,000 1,000 203,000 -0 117,000 117,000

X1	845,000	-0	-0	-0	25,000	25,000	25,000	-0	-0	-0
X2	-0	-0	1,000	124,000	126,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	126,000	126,000	-0
BT	6,000	0	128,000	-0	254,000	126,000	-0	285,000	126,300	-0
BT	315,000	126,300	-0	575,000	120,000	-0	690,000	128,000	-0	-0

X1	900,000	19,000	195,000	205,000	55,000	55,000	55,000	-0	-1,500	-0
GR	140,000	50,000	138,000	70,000	136,000	105,000	134,000	120,000	132,000	130,000
GR	130,000	145,000	120,000	195,000	119,000	197,000	119,000	202,000	120,000	205,000
GR	120,000	210,000	122,000	235,000	124,000	300,000	125,000	370,000	125,000	410,000
GR	126,000	470,000	128,000	550,000	130,000	590,000	132,000	630,000	-0	-0

X1	950,000	-0	-0	-0	50,000	50,000	50,000	-0	1,500	-0
ET	-0	-0	4,100	120,000	320,000	-0	-0	-0	-0	-0

X1	1700,000	14,000	195,000	205,000	750,000	750,000	750,000	-0	-0	-0
GR	140,000	0	130,000	95,000	128,000	110,000	126,000	120,000	124,000	150,000
GR	123,500	195,000	122,500	197,000	122,500	202,000	123,500	205,000	124,000	240,000
GR	126,000	310,000	128,000	340,000	130,000	375,000	140,000	460,000	-0	-0
ET	-0	-0	4,100	200,000	400,000	-0	-0	-0	-0	-0

X1	3200,000	20,000	295,000	305,000	1500,000	1500,000	1500,000	-0	-0	-0
GR	150,000	50,000	140,000	140,000	138,000	165,000	136,000	185,000	134,000	215,000
GR	132,000	250,000	130,000	285,000	129,500	295,000	128,500	297,000	128,500	302,000
GR	129,500	305,000	130,000	310,000	132,000	380,000	134,000	400,000	140,000	500,000
GR	142,000	540,000	144,000	580,000	146,000	610,000	148,000	630,000	150,000	650,000
ET	-0	-0	4,100	295,000	495,000	-0	-0	-0	-0	-0

X1	4000,000	16,000	295,000	305,000	750,000	750,000	750,000	-0	-1,000	-0
GR	150,000	0	140,000	150,000	138,000	200,000	136,000	250,000	134,000	270,000
GR	132,000	285,000	131,500	295,000	130,000	297,000	130,000	302,000	131,500	305,000
GR	132,000	610,000	134,000	640,000	136,000	670,000	138,000	800,000	140,000	840,000
GR	150,000	960,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	4,100	200,000	400,000	-0	-0	-0	-0	-0

\*\*\*\* OPENING DATA FROM CITY ENGINEER \*\*\*\*

\*\*\*\* TOP OF ROAD DATA FROM TOPD SHEET \*\*\*\*

\*\*\*\* COUNTRY CLUB DR \*\*\*\*

X1	4060,000	16,000	290,000	309,000	40,000	40,000	40,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	149,000	147,000	-0
GR	150,000	0	140,000	150,000	138,000	200,000	136,000	250,000	134,000	270,000
GR	132,000	285,000	131,500	290,000	129,300	291,000	129,300	308,000	131,500	309,000
GR	132,000	610,000	134,000	640,000	136,000	670,000	138,000	800,000	140,000	840,000
GR	150,000	960,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,250	1,220	2,500	0	19,000	1,000	108,000	0	129,800	129,300
ET	-0	-0	150,200	-0	-0	-0	-0	-0	-0	-0

X1	4140,000	-0	-0	-0	80,000	80,000	80,000	-0	.500	-0
X2	-0	-0	1,000	135,800	147,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	149,000	147,000	-0
BT	9,000	0	160,000	-0	240,000	150,000	-0	300,000	145,100	-0
BT	340,000	148,000	-0	410,000	147,000	-0	560,000	148,000	-0	650,000
BT	150,000	-0	770,000	152,000	-0	960,000	160,000	-0	-0	-0

X1	4200.000	20.000	295.000	305.000	60.000	60.000	60.000	-0	-1.000	-0
GR	150.000	25.000	148.000	40.000	146.000	80.000	144.000	90.000	142.000	140.000
GR	140.000	170.000	138.000	185.000	136.000	215.000	134.000	260.000	132.000	280.000
GR	132.000	295.000	131.000	297.000	131.000	302.000	132.000	305.000	132.000	420.000
GR	134.000	500.000	136.000	550.000	138.000	570.000	140.000	575.000	150.000	670.000

X1	4420.000	18.000	295.000	305.000	220.000	220.000	220.000	-0	1.000	-0
GR	150.000	20.000	148.000	60.000	146.000	100.000	144.000	150.000	142.000	230.000
GR	140.000	240.000	138.000	250.000	136.000	270.000	134.000	280.000	132.000	295.000
GR	131.000	297.000	131.000	302.000	132.000	305.000	134.000	315.000	136.000	590.000
GR	138.000	610.000	140.000	640.000	150.000	710.000	-0	-0	-0	-0

\*\*\* DOWNSTREAM OF DAM \*\*\*

X1	4480.000	-0	-0	-0	60.000	60.000	60.000	-0	.500	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

U.S. DEPARTMENT OF AGRICULTURE

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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 FLOODWAYS WITH CHANGES  
 T3 COUNTRY CLUB BR MOUTH TO DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	EQ
	-10.	3.	-0	-0	-0	-0	-0	-0	121.100	-0
J2	NPROF	IPLT	PRFVS	XSEGV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15.000

\*PROF 2

CCHV= .200 CEHV= .400  
 \*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK	ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS= 200.0 400.0 TYPE= 2 TARGET= 200.000

\*\*\*\* ALL SECTIONS ARE TAKEN FROM TOPO \*\*\*\*

\*\*\*\* UNLESS OTHERWISE INDICATED \*\*\*\*

1.00	8.10	121.10	0	120.10	121.19	.09	0	0	114.00
1450.	714.	327.	409.	417.	78.	288.	0	0	114.00
0	1.71	4.16	1.42	.110	.060	.110	0	113.00	200.00
.001905	-0	-0	-0	0	0	1	0	200.00	400.00

FLOW DISTRIBUTION

STA=	200.	235.	250.	295.	305.	320.	340.	390.	400.
PER 0=	5.6	6.4	37.2	22.5	12.3	8.5	7.0	.4	
AREA=	81.3	61.5	274.5	78.5	91.5	82.0	105.0	9.9	
VEL=	1.0	1.5	2.0	4.2	2.0	1.5	1.0	.6	

\*SECNO 5.000

3470 ENCROACHMENT STATIONS=	200.0	400.0	TYPE=	2	TARGET=	200.000			
5.00	8.11	121.11	0	120.12	121.20	.09	.01	.00	114.00
1450.	714.	326.	410.	418.	79.	289.	0.	0.	114.00
.00	1.71	4.15	1.42	.110	.060	.110	.048	113.00	200.00
.001895	4.	4.	4.	0	0	1	0	200.00	400.00

11/17/76

COPY 2

F/W

T1 FPMS BR FAYETTEVILLE NC FIS  
 T2 100 YR NATURAL  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0	-0	-0	-0	-0	-0	146.900	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15.000
J3	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0	200.000	110.000	-0	-0	-0	-0	-0
NC	.050	.050	.015	.100	.300	-0	-0	-0	-0	-0
QT	7.000	1350.000	1350.000	1350.000	1350.000	550.000	1100.000	2550.000	-0	-0
ET	-0	-0	4000.200	-0	-0	-0	-0	-0	-0	-0
X1	1.000	18.000	490.000	517.000	-0	-0	-0	-0	-0	-0
GR	149.800	6.000	148.200	50.000	147.200	100.000	145.700	150.000	145.000	200.000
GR	145.100	250.000	144.600	300.000	144.200	350.000	144.700	400.000	144.200	450.000
GR	144.700	490.000	143.300	491.000	143.300	500.000	143.600	515.000	144.700	517.000
GR	145.000	550.000	145.900	600.000	149.800	637.000	-0	-0	-0	-0
X1	50.000	15.000	215.000	600.000	50.000	50.000	50.000	-0	-0	-0
GR	149.800	50.000	148.100	100.000	146.600	150.000	146.000	200.000	140.900	215.000
GR	138.100	250.000	135.300	310.000	135.800	350.000	135.000	400.000	134.900	450.000
GR	135.600	500.000	136.700	550.000	138.700	600.000	146.000	650.000	150.600	700.000
QT	7.000	1150.000	1150.000	1150.000	1150.000	450.000	900.000	2100.000	-0	-0
X1	400.000	-0	-0	-0	350.000	350.000	350.000	2.000	-0	-0
X1	1000.000	-0	-0	-0	600.000	600.000	600.000	.250	-0	-0
ET	-0	-0	80.200	-0	-0	-0	-0	-0	-0	-0
QT	7.000	1030.000	1030.000	1030.000	1030.000	380.000	800.000	1920.000	-0	-0
X1	1500.000	15.000	200.000	210.000	500.000	500.000	500.000	-0	-1.500	-0
GR	157.300	90.000	156.400	100.000	150.700	150.000	146.900	172.000	144.600	200.000
GR	143.600	202.000	143.400	206.000	143.300	208.000	144.700	210.000	143.900	250.000
GR	144.800	300.000	149.500	350.000	152.300	400.000	154.900	450.000	157.300	465.000
QT	7.000	850.000	850.000	850.000	850.000	300.000	640.000	1600.000	-0	-0
X1	2250.000	-0	-0	-0	750.000	750.000	750.000	-0	1.500	-0
NC	.100	.100	.020	-0	-0	-0	-0	-0	-0	-0
X1	2300.000	14.000	200.000	211.300	50.000	50.000	50.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	147.100	147.100	-0
GR	157.300	90.000	156.400	100.000	150.700	150.000	146.900	172.000	144.600	200.000
GR	142.100	200.000	142.100	211.300	144.700	211.300	143.900	250.000	144.800	300.000
GR	149.500	350.000	152.300	400.000	154.900	450.000	157.300	465.000	-0	-0
SB	1.250	2.090	2.500	0	11.300	3.500	39.200	0	142.500	142.100
ET	-0	-0	50.200	-0	-0	-0	-0	-0	-0	-0
X1	2400.000	-0	-0	-0	100.000	100.000	100.000	-0	-0	-0



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 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
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T1 FPM5 BR FAYETTEVILLE NC FIS  
 T2 FLOODWAYS  
 T3 COUNTRY CLUB BR LFT FORK

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
-10.	3.	-0	-0	-0	-0	-0	-0	-0	146.900	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0	15.000

\*PROF 2

CCHV= .100 CEHV= .300  
 \*SECNO 1.000

SECNO	DEPTH	CWSFL	CRIWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	.0	2503.5	TYPE=	2	TARGET=	4000.000
1.00	3.60	146.90	0	146.90	147.01	.11
1350.	796.	426.	128.	764.	93.	145.
0	1.04	4.60	.88	.050	.015	.050
.000439	-0	-0	-0	0	0	1

FLOW DISTRIBUTION

STA=	110.	150.	200.	250.	300.	350.	400.	450.	490.	517.	550.	600.	609
PER Q=	.8	4.8	6.4	7.6	10.6	10.3	10.3	8.2	31.6	5.0	4.3	.1	
AREA=	24.0	77.5	92.5	102.5	125.0	122.5	122.5	98.0	92.5	67.6	72.5	4.7	
VEL=	.4	.8	.9	1.0	1.1	1.1	1.1	1.1	4.6	1.0	.8	.4	

\*SECNO 50.000

3470 ENCROACHMENT STATIONS=	.0	2407.5	TYPE=	2	TARGET=	4000.000
50.00	12.12	147.02	0	147.02	147.03	.00
1350.	3.	1334.	13.	93.	4126.	239.
.04	.03	.32	.05	.050	.015	.050
.000000	50.	50.	50.	2	0	1

FLOW DISTRIBUTION

STA=	136.	200.	215.	600.	650.	661.
PER Q=	.0	.2	98.8	1.0	.0	
AREA=	39.2	53.6	4125.5	233.7	5.7	
VEL=	.0	.0	.3	.1	.0	

SUMMARY PRINTOUT

COUNTRY CLUB BR LFT FORK

SECNO	CWSEL	D	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1.00	146.90	1350.00	143.30	147.01	.11	4.39	0	499.49	110.00	609.49	4.6
1.00	146.90	1350.00	143.30	147.01	.11	4.39	0	499.49	110.00	609.49	4.6
50.00	147.02	1350.00	134.90	147.03	.00	.00	0	525.30	135.84	661.14	.3
50.00	147.02	1350.00	134.90	147.03	.00	.00	0	525.30	135.84	661.14	.3
400.00	147.03	1150.00	134.90	147.03	.00	.00	0	1050.73	221.58	1272.31	.1
400.00	147.03	1150.00	134.90	147.03	.00	.00	0	1050.73	221.58	1272.31	.1
1000.00	147.02	1150.00	134.90	147.03	.00	.01	0	262.69	92.89	355.58	.5
1000.00	147.03	1150.00	105.54	147.03	.00	.00	.00	1071.75	92.89	2228.75	.1
1500.00	146.92	1030.00	141.80	147.08	.16	4.59	0	175.28	163.21	338.49	5.7
1500.00	146.15	1030.00	141.80	147.51	1.36	29.58	-.77	77.33	167.67	245.00	12.9
2250.00	147.32	850.00	143.30	147.57	.25	9.45	0	157.21	169.58	326.79	6.8
2250.00	148.32	850.00	143.30	148.90	.58	10.76	1.00	80.00	165.00	245.00	8.6
2300.00	147.21	850.00	142.10	147.71	.50	20.16	0	155.45	170.20	325.65	7.7
2300.00	148.30	850.00	142.10	149.00	.70	17.27	1.10	80.00	165.65	245.65	8.1
2400.00	153.14	850.00	142.10	153.16	.02	.51	0	287.44	128.63	416.07	2.0
2400.00	152.98	850.00	142.10	153.24	.26	2.92	-.16	50.00	180.65	230.65	4.8
2450.00	153.15	850.00	143.30	153.16	.01	.74	0	287.97	128.47	416.43	1.3
2450.00	153.11	850.00	143.30	153.27	.16	7.68	-.04	50.00	180.00	230.00	4.3

BK

1500  
4540  
3000

FLOODWAY DATA, COUNTRY CLUB RR LFT FWHK  
 PROFILE NO. 2

STATION	----- FLOODWAY -----		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT.)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	499.	1002.	1.3	146.9	146.9	0
50.000	525.	4458.	.3	147.0	147.0	0
400.000	1051.	8917.	.1	147.0	147.0	0
1000.000	1072.	19014.	.1	147.0	147.0	.0
1500.000	77.	210.	4.9	146.1	146.9	-.8
2250.000	80.	263.	3.2	148.3	147.3	1.0
<i>OK</i> } 2300.000	80.	283.	3.0	148.3	147.2	1.1
2400.000	50.	434.	2.0	153.0	153.1	-.2
2450.000	50.	420.	2.0	153.1	153.2	-.0



SUMMARY PRINTOUT

COUNTRY CLUB BR LFT FORK

SECNO	CWSFL	EG	WSELK	TOPWID	QLOB	DCH	QROB	PERENG	STENCL	STCHL	STCHR
1.00	146.90	147.01	146.90	499.49	796.32	426.07	127.62	0	0	490.00	517.0
1.00	146.90	147.01	146.90	499.49	796.32	426.07	127.62	4000.00	.01	490.00	517.0
50.00	147.02	147.03	0	525.30	3.02	1333.95	13.03	0	0	215.00	600.0
50.00	147.02	147.03	147.02	525.30	3.02	1333.95	13.03	4000.00	.01	215.00	600.0
400.00	147.03	147.03	0	1050.73	2.63	1136.22	11.16	0	0	380.00	1150.0
400.00	147.03	147.03	147.03	1050.73	2.63	1136.22	11.16	4000.00	.01	380.00	1150.0
1000.00	147.02	147.03	0	262.69	2.40	1136.70	10.90	0	0	132.50	325.0
1000.00	147.03	147.03	147.02	1071.75	.52	245.65	903.83	4000.00	.01	132.50	325.0
1500.00	146.92	147.08	0	175.28	94.77	270.39	664.85	0	0	200.00	210.0
* 1500.00	146.15	147.51	146.92	77.33	132.68	510.49	386.83	80.00	165.00	200.00	210.0
2250.00	147.32	147.57	0	157.21	54.18	249.64	546.18	0	0	200.00	210.0
2250.00	148.32	148.90	147.32	80.00	135.98	399.85	314.17	80.00	165.00	200.00	210.0
2300.00	147.21	147.71	0	155.45	35.12	446.01	368.87	0	0	200.00	211.3
2300.00	148.30	149.00	147.21	80.00	85.31	570.38	194.31	80.00	165.65	200.00	211.3
* 2400.00	153.14	153.16	0	287.44	113.19	256.68	480.13	0	0	200.00	211.3
* 2400.00	152.98	153.24	153.14	50.00	117.43	597.37	135.19	50.00	180.65	200.00	211.3
2450.00	153.15	153.16	0	287.97	136.41	129.26	584.33	0	0	200.00	210.0
2450.00	153.11	153.27	153.15	50.00	202.36	414.04	233.60	50.00	180.00	200.00	210.0

POSSIBLE ERROR SECNO= 1500.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 1500.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL