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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
 .....

C BUZZARDS BR FAYETTEVILLE NC  
 T1 FPHS BR FAYETTEVILLE FIS  
 T2 100 YR NATURAL  
 T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	O	WSEL	FO
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	48.100	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALCIC	IBW	CHNTH	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	3.000	0.000	0.000	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	38.000	1.000
	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000

NC	.110	.110	.080	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	7.000	570.000	570.000	570.000	570.000	200.000	420.000	1110.000	0.000	0.000
ET	0.000	0.000	50.200	8.400	9.400	0.000	0.000	0.000	0.000	0.000

\*\*\* COMPOSED SEC. \*\*\*

X1	100.000	17.000	82.000	120.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	80.000	30.000	70.000	50.000	60.000	65.000	50.000	75.000	47.700	82.000
GR	43.200	92.000	42.700	100.000	43.200	108.000	48.700	120.000	50.000	140.000
GR	58.000	290.000	58.000	325.000	54.000	430.000	54.000	525.000	60.000	625.000
GR	70.000	635.000	80.000	655.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	101.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X1	105.000	0.000	0.000	0.000	4.000	4.000	4.000	0.000	0.000	0.000
X1	110.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
X1	125.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.000	0.000
X1	150.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	.300	0.000
X1	200.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000

\*\*\* SEC. L 12 \*\*\*

X1	1075.000	9.000	484.000	522.000	525.000	525.000	525.000	0.000	0.000	0.000
GR	70.000	420.000	60.000	460.000	35.300	484.000	51.600	494.000	51.400	502.000
GR	51.600	509.000	55.200	522.000	60.000	530.000	80.000	590.000	0.000	0.000
ET	0.000	0.000	50.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* CLINTON RD NC 24 SEC L 13 \*\*\*

X1	1125.000	16.000	502.000	509.000	50.000	50.000	50.000	0.000	.700	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	76.100	80.000	0.000
GR	82.600	0.000	83.300	100.000	81.500	135.000	63.000	169.000	58.200	200.000
GR	52.200	277.000	52.400	300.000	54.100	400.000	55.300	484.000	51.600	494.000
GR	51.400	502.000	51.600	509.000	55.200	522.000	60.000	580.000	70.000	590.000
GR	80.000	630.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.000	1.800	2.500	0.000	7.000	.010	56.000	0.000	52.800	52.300

X1	1275.000	0.000	0.000	0.000	150.000	150.000	150.000	0.000	.500	0.000
X2	0.000	0.000	1.000	60.800	76.100	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	76.100	80.000	0.000
BT	8.000	0.000	82.600	0.000	100.000	83.300	0.000	200.000	77.700	0.000
BT	300.000	77.400	0.000	400.000	76.100	0.000	502.000	76.800	0.000	509.000
BT	76.900	0.000	600.000	80.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* SEC. L 14 SURVEYED AT 1370 \*\*\*

X1	1325.000	19.000	348.000	365.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	81.200	0.000	79.000	100.000	79.400	286.000	63.500	300.000	58.600	310.000
GR	55.800	322.000	57.100	339.000	57.100	348.000	53.600	353.000	53.500	358.000
GR	53.800	362.000	56.400	365.000	55.700	462.000	58.400	479.000	65.900	493.000
GR	65.500	500.000	76.000	536.000	80.000	560.000	83.700	626.000	0.000	0.000

X1	1430.000	0.000	0.000	0.000	105.000	105.000	105.000	0.000	3.500	0.000
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\*\*\* SCL RR SEC. L 15 \*\*\*

X1	1480.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000
NC	.090	.090	.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1481.000	35.000	345.000	359.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	2.000	245.000	89.700	87.100	436.000	90.000	87.400	0.000	0.000	0.000
GR	88.600	0.000	89.000	100.000	87.300	200.000	89.700	245.000	84.200	246.000
GR	69.900	300.000	87.400	300.000	87.400	305.000	69.900	305.000	65.200	324.000
GR	59.200	332.000	58.100	335.000	87.400	335.000	87.400	340.000	58.100	349.000
GR	56.100	345.000	57.600	348.000	57.400	350.000	57.700	354.000	59.200	359.000
GR	59.200	360.000	87.400	360.000	87.400	365.000	59.200	365.000	60.900	374.000
GR	69.600	400.000	87.400	400.000	87.400	405.000	69.600	405.000	84.700	435.000
GR	90.000	436.000	89.500	500.000	87.700	600.000	0.000	0.000	0.000	0.000

X1	1494.000	0.000	0.000	0.000	13.000	13.000	13.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
NC	.100	.100	.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* SEC. L 16 \*\*\*

STIMCO & WATKINS ENGINEERS INC.

X1	1499.000	25.000	489.000	489.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	86.600	0.000	85.800	38.000	82.800	100.000	81.900	200.000	83.800	300.000
GR	82.800	400.000	81.400	418.000	77.300	440.000	63.300	465.000	58.200	472.000
GR	58.000	476.000	58.200	479.000	60.000	489.000	60.700	500.000	62.900	518.000
GR	76.500	537.000	82.800	552.000	85.600	600.000	85.800	611.000	85.800	625.000
GR	86.200	633.000	89.800	700.000	90.400	790.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	50.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1550.000	0.000	0.000	0.000	55.000	55.000	55.000	0.000	0.000	0.000
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X1	1600.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50,51,52  
 .....

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

RUZZARDS RR FAYETTEV

SUMMARY PRINTOUT

SECNO	CHSEL	EG	ELLC	FLMIN
100.000	45.90	46.06	0.00	42.70
100.000	47.40	47.63	0.00	42.70
100.000	48.10	48.38	0.00	42.70
100.000	49.90	50.34	0.00	42.70
101.000	45.91	46.07	0.00	42.70
101.000	47.41	47.64	0.00	42.70
101.000	48.11	48.39	0.00	42.70
101.000	49.91	50.35	0.00	42.70
105.000	45.96	46.11	0.00	42.70
105.000	47.46	47.67	0.00	42.70
105.000	48.16	48.43	0.00	42.70
105.000	49.96	50.39	0.00	42.70
110.000	46.01	46.15	0.00	42.70
110.000	47.51	47.72	0.00	42.70
110.000	48.21	48.47	0.00	42.70
110.000	50.02	50.44	0.00	42.70
125.000	46.10	46.28	0.00	42.70
125.000	47.60	47.85	0.00	42.70
125.000	48.36	48.60	0.00	42.70
125.000	50.18	50.57	0.00	42.70
150.000	46.35	46.49	0.00	43.00
150.000	47.85	48.06	0.00	43.00
150.000	48.56	48.81	0.00	43.00
150.000	50.38	50.78	0.00	43.00
200.000	46.79	46.93	0.00	43.50
200.000	48.28	48.50	0.00	43.50
200.000	48.99	49.26	0.00	43.50
200.000	50.80	51.23	0.00	43.50
550.000	49.63	49.78	0.00	46.40
550.000	51.08	51.31	0.00	46.40
550.000	51.80	52.08	0.00	46.40
550.000	53.59	54.03	0.00	46.40

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 DATE APR 27 1977  
 TIME 11:16 AM  
 PAGE 1

SECNO	CHSEL	EG	ELLC	ELMIN
1075.000	54.52	54.65	0.00	51.40
1075.000	55.90	56.10	0.00	51.40
1075.000	56.57	56.81	0.00	51.40
1075.000	58.32	58.72	0.00	51.40
• 1125.000	55.13	56.61	0.00	52.10
• 1125.000	57.00	59.43	0.00	52.10
• 1125.000	58.10	61.06	0.00	52.10
• 1125.000	61.38	66.01	0.00	52.10
• 1275.000	55.16	57.26	60.80	52.60
• 1275.000	57.84	59.06	60.80	52.60
• 1275.000	58.98	61.59	60.80	52.60
• 1275.000	71.22	72.36	60.80	52.60
1325.000	58.01	58.05	0.00	53.50
1325.000	60.44	60.45	0.00	53.50
1325.000	62.14	62.15	0.00	53.50
1325.000	72.59	72.59	0.00	53.50
• 1430.000	59.32	60.25	0.00	57.00
• 1430.000	60.78	61.40	0.00	57.00
1430.000	62.12	62.27	0.00	57.00
1430.000	72.59	72.59	0.00	57.00
1480.000	61.29	61.43	0.00	57.50
1480.000	62.15	62.30	0.00	57.50
1480.000	62.53	62.70	0.00	57.50
1480.000	72.59	72.60	0.00	57.50
1481.000	61.32	61.44	87.40	57.40
1481.000	62.07	62.37	87.40	57.40
1481.000	62.36	62.83	87.40	57.40
1481.000	72.56	72.62	87.40	57.40
1494.000	61.38	61.49	87.40	57.40
1494.000	62.21	62.49	87.40	57.40
1494.000	62.57	62.99	87.40	57.40
1494.000	72.57	72.62	87.40	57.40
1495.000	61.41	61.50	0.00	57.40
1495.000	62.34	62.51	0.00	57.40
1495.000	62.81	63.04	0.00	57.40
1495.000	72.59	72.63	0.00	57.40
1550.000	61.70	61.82	0.00	58.00
1550.000	62.77	62.97	0.00	58.00
1550.000	63.30	63.55	0.00	58.00
1550.000	72.61	72.64	0.00	58.00
1600.000	62.02	62.11	0.00	58.00
1600.000	63.19	63.34	0.00	58.00
1600.000	63.76	63.94	0.00	58.00
1600.000	72.62	72.66	0.00	58.00

STATE OF MICHIGAN  
 DEPARTMENT OF REVENUE  
 TAX COLLECTION DIVISION  
 TAXPAYER INFORMATION

BUZZARDS BR FAYETTEV

SUMMARY PRINTOUT

SECNO	CWSEL	OLDB	OCH	OROB	VLOB	VCH	VRDB
100.000	45.90	0.00	200.00	0.00	0.00	3.16	0.00
100.000	47.40	0.00	420.00	0.00	0.00	3.82	0.00
100.000	48.10	.11	569.89	0.00	.44	4.22	0.00
100.000	49.90	10.05	1089.52	10.43	1.36	5.36	.94
101.000	45.91	0.00	200.00	0.00	0.00	3.15	0.00
101.000	47.41	0.00	420.00	0.00	0.00	3.81	0.00
101.000	48.11	.11	569.88	0.00	.45	4.21	0.00
101.000	49.91	10.13	1089.25	10.62	1.36	5.35	.94
105.000	45.96	0.00	200.00	0.00	0.00	3.09	0.00
105.000	47.46	0.00	420.00	0.00	0.00	3.76	0.00
105.000	48.16	.14	569.85	0.00	.47	4.16	0.00
105.000	49.96	10.49	1088.07	11.43	1.36	5.31	.95
110.000	46.01	0.00	200.00	0.00	0.00	3.02	0.00
110.000	47.51	0.00	420.00	0.00	0.00	3.70	0.00
110.000	48.21	.19	569.81	0.00	.49	4.10	0.00
110.000	50.02	11.08	1086.10	12.81	1.36	5.24	.97
125.000	46.16	0.00	200.00	0.00	0.00	2.84	0.00
125.000	47.66	0.00	420.00	0.00	0.00	3.54	0.00
125.000	48.36	.36	569.64	0.00	.55	3.94	0.00
125.000	50.18	13.16	1078.99	17.84	1.41	5.04	1.05
150.000	46.35	0.00	200.00	0.00	0.00	2.95	0.00
150.000	47.85	0.00	420.00	0.00	0.00	3.64	0.00
150.000	48.56	.25	569.74	0.00	.52	4.03	0.00
150.000	50.38	11.99	1083.08	14.93	1.38	5.15	1.01
200.000	46.79	0.00	200.00	0.00	0.00	3.04	0.00
200.000	48.28	0.00	420.00	0.00	0.00	3.72	0.00
200.000	48.99	.18	569.82	0.00	.49	4.11	0.00
200.000	50.80	10.91	1086.68	12.41	1.36	5.26	.96
550.000	49.63	0.00	200.00	0.00	0.00	3.11	0.00
550.000	51.08	0.00	420.00	0.00	0.00	3.84	0.00
550.000	51.80	.11	569.89	0.00	.44	4.22	0.00
550.000	53.59	9.98	1089.75	10.27	1.36	5.37	.94
1075.000	54.52	0.00	200.00	0.00	0.00	2.90	0.00
1075.000	55.90	.52	419.48	0.00	.56	3.59	0.00
1075.000	56.57	3.73	566.22	.05	.90	3.99	.38
1075.000	58.32	37.27	1067.06	5.67	1.59	5.11	1.19
* 1125.000	55.13	0.00	200.00	0.00	0.00	9.74	0.00
* 1125.000	57.00	0.00	420.00	0.00	0.00	12.49	0.00
* 1125.000	58.10	0.00	570.00	0.00	0.00	13.80	0.00
* 1125.000	61.38	0.00	1110.00	0.00	0.00	17.27	0.00
* 1275.000	55.16	0.00	200.00	0.00	0.00	11.63	0.00
* 1275.000	57.84	0.00	420.00	0.00	0.00	11.67	0.00
* 1275.000	58.98	0.00	570.00	0.00	0.00	12.96	0.00
* 1275.000	71.22	0.00	1110.00	0.00	0.00	8.56	0.00

UNIVERSITY MICROFILMS INTERNATIONAL

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
1325.000	58.01	48.11	124.98	34.92	.89	2.02	.64
1325.000	60.44	101.44	124.21	194.35	.72	1.21	.62
1325.000	62.14	136.65	130.41	307.94	.64	.99	.58
1325.000	72.59	267.07	191.88	691.07	.36	.49	.35
1430.000	59.32	.00	200.00	0.00	.04	7.70	0.00
1430.000	60.78	49.58	342.33	28.09	2.41	6.93	1.70
1430.000	62.12	133.56	288.24	148.20	1.97	3.99	1.39
1430.000	72.59	268.24	167.68	674.08	.48	.67	.47
1480.000	61.29	23.65	162.94	13.41	1.15	3.29	.81
1480.000	62.15	88.45	249.71	81.85	1.76	3.89	1.27
1480.000	62.53	131.42	297.66	140.92	2.09	4.21	1.46
1480.000	72.59	268.36	170.62	671.02	.50	.71	.49
1481.000	61.32	39.87	145.81	14.32	1.47	3.06	1.03
1481.000	62.07	82.04	294.97	42.99	2.31	5.09	1.86
1481.000	62.36	110.57	395.06	64.36	2.83	6.37	2.37
1481.000	72.58	277.90	507.23	324.87	.91	2.48	1.00
1494.000	61.38	39.81	145.39	14.79	1.43	3.01	1.02
1494.000	62.21	81.77	293.12	45.12	2.20	4.90	1.81
1494.000	62.57	116.07	391.42	68.51	2.64	6.02	2.26
1494.000	72.57	277.93	507.18	324.89	.91	2.47	1.00
1495.000	61.41	0.00	168.53	31.47	0.00	2.54	1.24
1495.000	62.34	0.00	322.69	97.31	0.00	3.68	1.99
1495.000	62.81	.00	417.22	152.78	.01	4.21	2.42
1495.000	72.59	56.80	563.03	490.18	.65	1.69	1.17
1550.000	61.70	0.00	174.19	25.81	0.00	2.92	1.36
1550.000	62.77	0.00	328.23	91.77	0.00	3.93	2.09
1550.000	63.30	.00	421.47	148.53	.01	4.38	2.49
1550.000	72.61	52.54	570.16	487.29	.68	1.78	1.23
1600.000	62.02	0.00	168.32	31.68	0.00	2.52	1.24
1600.000	63.19	0.00	314.19	105.81	0.00	3.36	1.88
1600.000	63.76	.07	406.00	163.92	.40	3.79	2.24
1600.000	72.62	52.62	570.03	487.35	.68	1.78	1.23

BUZZARDS BR FAYETTEV

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10K*5	VCH	AREA
100.000	0.00	0.00	0.00	42.70	200.00	45.90	0.00	46.06	102.86	3.16	63.
100.000	0.00	0.00	0.00	42.70	420.00	47.40	0.00	47.63	96.38	3.82	110.
100.000	0.00	0.00	0.00	42.70	570.00	48.10	0.00	48.38	97.59	4.22	135.
100.000	0.00	0.00	0.00	42.70	1110.00	49.90	0.00	50.34	96.19	5.36	221.
101.000	1.00	0.00	0.00	42.70	200.00	45.91	0.00	46.07	101.55	3.15	63.
101.000	1.00	0.00	0.00	42.70	420.00	47.41	0.00	47.64	95.58	3.81	110.
101.000	1.00	0.00	0.00	42.70	570.00	48.11	0.00	48.39	96.80	4.21	135.
101.000	1.00	0.00	0.00	42.70	1110.00	49.91	0.00	50.35	95.57	5.35	222.
105.000	4.00	0.00	0.00	42.70	200.00	45.96	0.00	46.11	96.35	3.09	64.
105.000	4.00	0.00	0.00	42.70	420.00	47.46	0.00	47.67	92.34	3.76	111.
105.000	4.00	0.00	0.00	42.70	570.00	48.16	0.00	48.43	93.64	4.16	137.
105.000	4.00	0.00	0.00	42.70	1110.00	49.96	0.00	50.39	92.99	5.31	224.
110.000	5.00	0.00	0.00	42.70	200.00	46.01	0.00	46.15	90.12	3.02	66.
110.000	5.00	0.00	0.00	42.70	420.00	47.51	0.00	47.72	88.27	3.70	113.
110.000	5.00	0.00	0.00	42.70	570.00	48.21	0.00	48.47	89.62	4.10	139.
110.000	5.00	0.00	0.00	42.70	1110.00	50.02	0.00	50.44	89.21	5.24	228.
125.000	15.00	0.00	0.00	42.70	200.00	46.16	0.00	46.28	75.89	2.84	70.
125.000	15.00	0.00	0.00	42.70	420.00	47.66	0.00	47.85	78.02	3.54	118.
125.000	15.00	0.00	0.00	42.70	570.00	48.36	0.00	48.60	79.48	3.94	145.
125.000	15.00	0.00	0.00	42.70	1110.00	50.18	0.00	50.57	79.38	5.04	240.
150.000	25.00	0.00	0.00	43.00	200.00	46.35	0.00	46.49	84.94	2.95	67.
150.000	25.00	0.00	0.00	43.00	420.00	47.85	0.00	48.06	84.28	3.64	115.
150.000	25.00	0.00	0.00	43.00	570.00	48.56	0.00	48.81	85.20	4.05	141.
150.000	25.00	0.00	0.00	43.00	1110.00	50.38	0.00	50.78	84.78	5.15	233.
200.000	50.00	0.00	0.00	43.50	200.00	46.79	0.00	46.93	92.28	3.04	65.
200.000	50.00	0.00	0.00	43.50	420.00	48.28	0.00	48.50	89.94	3.72	112.
200.000	50.00	0.00	0.00	43.50	570.00	48.99	0.00	49.26	90.39	4.11	138.
200.000	50.00	0.00	0.00	43.50	1110.00	50.80	0.00	51.23	90.13	5.26	227.
550.000	300.00	0.00	0.00	46.40	200.00	49.63	0.00	49.78	97.76	3.11	64.
550.000	300.00	0.00	0.00	46.40	420.00	51.08	0.00	51.31	97.72	3.84	109.
550.000	300.00	0.00	0.00	46.40	570.00	51.88	0.00	52.08	97.49	4.22	135.
550.000	300.00	0.00	0.00	46.40	1110.00	53.59	0.00	54.03	96.70	5.37	221.
1075.000	525.00	0.00	0.00	51.40	200.00	54.52	0.00	54.65	87.84	2.90	69.
1075.000	525.00	0.00	0.00	51.40	420.00	55.90	0.00	56.10	85.20	3.59	117.
1075.000	525.00	0.00	0.00	51.40	570.00	56.57	0.00	56.81	83.44	3.99	146.
1075.000	525.00	0.00	0.00	51.40	1110.00	58.32	0.00	58.72	82.23	5.11	236.
* 1125.000	50.00	0.00	0.00	52.10	200.00	55.13	55.13	56.61	724.26	9.74	20.
* 1125.000	50.00	0.00	0.00	52.10	420.00	57.00	57.00	59.43	715.77	12.49	33.
* 1125.000	50.00	0.00	0.00	52.10	570.00	58.10	58.10	61.06	732.82	13.80	41.
* 1125.000	50.00	0.00	0.00	52.10	1110.00	61.38	61.38	66.01	868.60	17.27	64.
* 1275.000	150.00	76.10	60.80	52.60	200.00	55.16	0.00	57.26	1269.46	11.63	17.
* 1275.000	150.00	76.10	60.80	52.60	420.00	57.84	0.00	59.96	586.99	11.67	36.
* 1275.000	150.00	76.10	60.80	52.60	570.00	58.98	0.00	61.59	616.97	12.96	43.
* 1275.000	150.00	76.10	60.80	52.60	1110.00	71.22	0.00	72.36	172.14	8.56	129.



SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRIMS	EG	10K+S	VCH	AREA
1325.000	50.00	0.00	0.00	53.50	200.00	58.01	0.00	58.09	24.82	2.02	161.
1325.000	50.00	0.00	0.00	53.50	420.00	60.44	0.00	60.45	4.45	1.21	559.
1325.000	50.00	0.00	0.00	53.50	570.00	62.14	0.00	62.15	2.15	.99	865.
1325.000	50.00	0.00	0.00	53.50	1110.00	72.59	0.00	72.59	.17	.49	3037.
1430.000	105.00	0.00	0.00	57.00	200.00	59.32	59.32	60.25	899.35	7.70	25.
1430.000	105.00	0.00	0.00	57.00	420.00	60.78	60.78	61.40	390.81	6.93	86.
1430.000	105.00	0.00	0.00	57.00	570.00	62.12	0.90	62.27	78.06	3.99	246.
1430.000	105.00	0.00	0.00	57.00	1110.00	72.59	0.00	72.59	.42	.67	2251.
1480.000	50.00	0.00	0.00	57.50	200.00	61.29	0.00	61.43	80.41	3.29	86.
1480.000	50.00	0.00	0.00	57.50	420.00	62.15	0.00	62.30	87.32	3.89	178.
1480.000	50.00	0.00	0.00	57.50	570.00	62.53	0.00	62.70	89.89	4.21	231.
1480.000	50.00	0.00	0.00	57.50	1110.00	72.59	0.00	72.60	.49	.71	2143.
1481.000	1.00	89.70	87.40	57.40	200.00	61.32	0.00	61.44	41.78	3.06	88.
1481.000	1.00	89.70	87.40	57.40	420.00	62.07	0.00	62.37	88.65	5.09	116.
1481.000	1.00	89.70	87.40	57.40	570.00	62.36	0.00	62.83	126.90	6.37	128.
1481.000	1.00	89.70	87.40	57.40	1110.00	72.56	0.00	72.62	3.90	2.48	835.
1494.000	13.00	89.70	87.40	57.40	200.00	61.38	0.00	61.49	39.50	3.01	90.
1494.000	13.00	89.70	87.40	57.40	420.00	62.21	0.00	62.49	78.66	4.90	127.
1494.000	13.00	89.70	87.40	57.40	570.00	62.57	0.00	62.99	106.40	6.02	137.
1494.000	13.00	89.70	87.40	57.40	1110.00	72.57	0.00	72.62	3.90	2.47	835.
1495.000	1.00	0.00	0.00	57.40	200.00	61.41	0.00	61.50	46.95	2.54	91.
1495.000	1.00	0.00	0.00	57.40	420.00	62.34	0.00	62.51	74.60	3.68	136.
1495.000	1.00	0.00	0.00	57.40	570.00	62.81	0.00	63.04	85.67	4.71	162.
1495.000	1.00	0.00	0.00	57.40	1110.00	72.59	0.00	72.63	2.72	1.69	841.
1550.000	55.00	0.00	0.00	58.00	200.00	61.70	0.00	61.82	89.62	2.92	78.
1550.000	55.00	0.00	0.00	58.00	420.00	62.77	0.00	62.97	88.99	3.93	127.
1550.000	55.00	0.00	0.00	58.00	570.00	63.30	0.00	63.55	96.20	4.38	155.
1550.000	55.00	0.00	0.00	58.00	1110.00	72.61	0.00	72.64	3.22	1.78	792.
1600.000	50.00	0.00	0.00	58.00	200.00	62.02	0.00	62.11	46.27	2.92	92.
1600.000	50.00	0.00	0.00	58.00	420.00	63.19	0.00	63.34	98.25	3.36	149.
1600.000	50.00	0.00	0.00	58.00	570.00	63.76	0.00	63.94	62.41	3.79	180.
1600.000	50.00	0.00	0.00	58.00	1110.00	72.62	0.00	72.66	3.21	1.78	793.

BUZZARDS BR FAYETTEV

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CRSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.000	200.00	45.90	0.00	0.00	0.00	27.89	0.00
100.000	420.00	47.46	0.00	0.00	0.00	34.50	0.00
100.000	570.00	48.10	0.00	0.00	0.00	37.91	0.00
100.000	1110.00	49.90	1.80	0.00	0.00	63.16	0.00
101.000	200.00	45.91	0.00	.01	0.00	27.94	1.00
101.000	420.00	47.41	0.00	.01	0.00	34.54	1.00
101.000	570.00	48.11	0.00	.01	0.00	37.96	1.00
101.000	1110.00	49.91	1.80	.01	0.00	63.33	1.00
105.000	200.00	45.96	0.00	.05	0.00	28.12	4.00
105.000	420.00	47.46	0.00	.04	0.00	34.72	4.00
105.000	570.00	48.16	0.00	.05	0.00	38.17	4.00
105.000	1110.00	49.96	1.80	.05	0.00	64.08	4.00
110.000	200.00	46.01	0.00	.05	0.00	28.37	5.00
110.000	420.00	47.51	0.00	.05	0.00	34.95	5.00
110.000	570.00	48.21	0.00	.06	0.00	38.45	5.00
110.000	1110.00	50.02	1.81	.06	0.00	65.24	5.00
125.000	200.00	46.16	0.00	.14	0.00	29.00	15.00
125.000	420.00	47.66	0.00	.15	0.00	35.60	15.00
125.000	570.00	48.36	0.00	.15	0.00	39.24	15.00
125.000	1110.00	50.18	1.82	.17	0.00	68.64	15.00
150.000	200.00	46.35	0.00	.19	0.00	28.50	25.00
150.000	420.00	47.85	0.00	.20	0.00	35.19	25.00
150.000	570.00	48.56	0.00	.20	0.00	38.70	25.00
150.000	1110.00	50.38	1.82	.19	0.00	66.71	25.00
200.000	200.00	46.79	0.00	.44	0.00	28.28	50.00
200.000	420.00	48.28	0.00	.43	0.00	34.85	50.00
200.000	570.00	48.99	0.00	.43	0.00	38.40	50.00
200.000	1110.00	50.80	1.81	.43	0.00	64.94	50.00
550.000	200.00	49.63	0.00	2.85	0.00	28.07	300.00
550.000	420.00	51.08	0.00	2.80	0.00	34.43	300.00
550.000	570.00	51.80	0.00	2.81	0.00	37.91	300.00
550.000	1110.00	53.59	1.79	2.79	0.00	63.01	300.00
1075.000	200.00	54.52	0.00	4.89	0.00	31.18	525.00
1075.000	420.00	55.90	0.00	4.82	0.00	40.26	525.00
1075.000	570.00	56.57	0.00	4.77	0.00	45.28	525.00
1075.000	1110.00	58.32	1.70	4.73	0.00	57.93	525.00
* 1125.000	200.00	55.13	0.00	.62	0.00	7.00	50.00
* 1125.000	420.00	57.00	0.00	1.10	0.00	7.00	50.00
* 1125.000	570.00	58.10	0.00	1.54	0.00	7.00	50.00
* 1125.000	1110.00	61.38	3.28	3.05	0.00	7.00	50.00
* 1275.000	200.00	55.16	0.00	.02	0.00	7.00	150.00
* 1275.000	420.00	57.84	0.00	.84	0.00	7.00	150.00
* 1275.000	570.00	58.98	0.00	.88	0.00	7.00	150.00
* 1275.000	1110.00	71.22	12.24	9.84	0.00	7.00	150.00

PRINTED AT THE UNIVERSITY OF MICHIGAN LIBRARY

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1325.000	200.00	58.01	0.00	2.85	0.00	120.30	50.00
1325.000	420.00	60.44	0.00	2.60	0.00	176.55	50.00
1325.000	570.00	62.14	0.00	3.16	0.00	183.21	50.00
1325.000	1110.00	72.59	10.45	1.37	0.00	232.31	50.00
• 1430.000	200.00	59.32	0.00	1.32	0.00	14.95	105.00
• 1430.000	420.00	60.78	0.00	.34	0.00	86.65	105.00
1430.000	570.00	62.12	0.00	-.02	0.00	162.42	105.00
1430.000	1110.00	72.59	10.47	.00	0.00	217.23	105.00
1480.000	200.00	61.29	0.00	1.96	0.00	86.70	50.00
1480.000	420.00	62.15	0.00	1.36	0.00	126.81	50.00
1480.000	570.00	62.53	0.00	.41	0.00	152.30	50.00
1480.000	1110.00	72.59	10.06	.00	0.00	215.08	50.00
1481.000	200.00	61.32	0.00	.04	0.00	36.12	1.00
1481.000	420.00	62.07	0.00	-.08	0.00	39.31	1.00
1481.000	570.00	62.36	0.00	-.17	0.00	40.58	1.00
1481.000	1110.00	72.58	10.21	-.03	0.00	100.95	1.00
1494.000	200.00	61.38	0.00	.06	0.00	36.35	13.00
1494.000	420.00	62.21	0.00	.14	0.00	39.91	13.00
1494.000	570.00	62.57	0.00	.22	0.00	41.51	13.00
1494.000	1110.00	72.57	9.99	.01	0.00	100.97	13.00
1495.000	200.00	61.41	0.00	.03	0.00	43.97	1.00
1495.000	420.00	62.34	0.00	.13	0.00	52.56	1.00
1495.000	570.00	62.81	0.00	.24	0.00	53.93	1.00
1495.000	1110.00	72.59	9.78	.02	0.00	85.05	1.00
1550.000	200.00	61.70	0.00	.29	0.00	41.03	55.00
1550.000	420.00	62.77	0.00	.43	0.00	51.16	55.00
1550.000	570.00	63.30	0.00	.49	0.00	53.56	55.00
1550.000	1110.00	72.61	9.31	.01	0.00	83.19	55.00
1600.000	200.00	62.02	0.00	.32	0.00	44.08	50.00
1600.000	420.00	63.19	0.00	.42	0.00	53.24	50.00
1600.000	570.00	63.76	0.00	.46	0.00	55.01	50.00
1600.000	1110.00	72.62	8.86	.02	0.00	83.23	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 1125.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1125.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1125.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1125.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1125.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1125.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1125.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1125.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1125.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1125.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1125.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1125.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1275.000 PROFILE= 1 SLOPE TOO STEEP  
CAUTION SECNO= 1275.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1275.000 PROFILE= 3 HYDRAULIC JUMP D.S.  
CAUTION SECNO= 1275.000 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1430.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1430.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1430.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1430.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1430.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1430.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

44

FLOOD INSURANCE ZONE DATA FOR BUZZARDS BR FAYETTEV

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
100.000	0.	-2.2	-.7	1.8
101.000	1.	-2.2	-.7	1.8
105.000	5.	-2.2	-.7	1.8
110.000	10.	-2.2	-.7	1.8
125.000	25.	-2.2	-.7	1.8
150.000	50.	-2.2	-.7	1.8
200.000	100.	-2.2	-.7	1.8
550.000	400.	-2.2	-.7	1.8
1075.000	925.	-2.0	-.7	1.8
1125.000	975.	-3.0	-1.1	3.3
1275.000	1125.	-3.8	-1.1	12.2
1325.000	1175.	-4.1	-1.7	10.4
1430.000	1280.	-2.8	-1.3	10.5
1480.000	1330.	-1.2	-.4	10.1
1481.000	1331.	-1.0	-.3	10.2
1494.000	1344.	-1.2	-.4	10.0
1495.000	1345.	-1.4	-.5	9.8
1550.000	1400.	-1.6	-.5	9.3
1600.000	1450.	-1.7	-.6	8.9
WEIGHTED AVG FOR REACH		-2.4	-.8	4.3

FHF FOR THE REACH = .025 WITH 77.9% OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A 5

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10'	1'	DIFF.			
	0.					SEC. 100.000	
1	100.	46.5	48.7	-2.2	-2.2	.020	100.
	1.					SEC. 101.000	
	5.					SEC. 105.000	
	10.					SEC. 110.000	
	25.					SEC. 125.000	
	50.					SEC. 150.000	
	100.					SEC. 200.000	
2	200.	47.3	49.5	-2.2	-2.2	.020	100.
3	300.	48.2	50.4	-2.2	-2.2	.020	100.
	400.					SEC. 550.000	
4	400.	49.2	51.3	-2.2	-2.2	.020	100.
5	500.	50.1	52.3	-2.2	-2.2	.020	100.
6	600.	51.0	53.2	-2.1	-2.2	.020	100.
7	700.	52.0	54.1	-2.1	-2.2	.020	100.
8	800.	52.9	55.0	-2.1	-2.2	.020	100.

	925.					SEC.	1075.000
	975.					SEC.	1125.000
10	1000.	55.1	58.2	-3.0	-2.2	020	100.
11	1100.	55.1	58.5	-3.4	-2.3	025	91.
	1125.					SEC.	1275.000
	1175.					SEC.	1325.000
12	1200.	56.2	62.1	-4.0	-2.5	025	92.
	1250.					SEC.	1430.000
13	1300.	59.2	67.2	-3.0	-2.5	025	92.
	1330.					SEC.	1480.000
	1331.					SEC.	1481.000
	1344.					SEC.	1494.000
	1345.					SEC.	1495.000
14	1400.	61.6	63.1	-1.5	-2.4	025	93.
	1400.					SEC.	1550.000
	1450.					SEC.	1600.000

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS  
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END  
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 14 14  
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
 DATE 08-14-01 BY 60322 UCBAW/STP

.....  
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50,51,52  
 .....

C RUIZARDS BR FAYETTEVILLE NC  
 T1 FPMS BR FAYETTEVILLE FIS  
 T2 10 YR NATURAL  
 T3 RUIZARDS BR FAYETTEVILLE NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	1.	6.	0.	0.	0.000000	0.00	0.0	0.	45.900	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNH	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	36.000	1.000	3.000	41.000	42.000	0.000	38.000	1.000	13.000	14.000
	15.000	55.000	26.000	56.000	0.000	150.000	201.000	0.000	0.000	0.000

NC	.110	.110	.080	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	7.000	570.000	570.000	570.000	570.000	200.000	420.000	1110.000	0.000	0.000
ET	0.000	0.000	50.200	8.400	9.400	0.000	0.000	0.000	0.000	0.000

\*\*\* COMPOSED SEC. \*\*\*

X1	100.000	17.000	82.000	120.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	80.000	30.000	70.000	50.000	60.000	65.000	50.000	75.000	47.700	82.000
GR	43.200	92.000	42.700	100.000	43.200	100.000	48.700	120.000	50.000	140.000
GR	58.000	290.000	58.000	325.000	54.000	430.000	54.000	525.000	60.000	625.000
GR	78.000	635.000	80.000	655.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	101.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
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X1	105.000	0.000	0.000	0.000	4.000	4.000	4.000	0.000	0.000	0.000
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X1	110.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
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X1	125.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.000	0.000
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X1	150.000	0.000	0.000	0.000	25.000	25.000	25.000	0.000	.300	0.000
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X1	200.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000
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\*\*\* SEC. L 12 \*\*\*

X1	1075.000	9.000	484.000	522.000	525.000	525.000	525.000	0.000	0.000	0.000
GR	70.000	420.000	60.000	460.000	55.300	484.000	51.600	494.000	51.400	502.000
GR	51.600	509.000	56.200	522.000	60.000	530.000	60.000	590.000	0.000	0.000
ET	0.000	0.000	50.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* CLINTON RD NC 24 SEC L 13 \*\*\*

X1	1125.000	16.000	502.000	509.000	50.000	50.000	50.000	0.000	.700	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	76.100	80.000	0.000
GR	82.600	0.000	83.300	100.000	81.500	135.000	63.000	169.000	58.200	200.000
GR	52.200	277.000	52.400	300.000	54.100	400.000	55.300	484.000	51.600	494.000
GR	51.400	502.000	51.600	509.000	55.200	522.000	60.000	580.000	70.000	590.000
GR	80.000	630.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.000	1.000	2.500	0.000	7.000	.010	56.000	0.000	52.800	52.300

X1	1275.000	0.000	0.000	0.000	150.000	150.000	150.000	0.000	.500	0.000
X2	0.000	0.000	1.000	60.800	76.100	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	76.100	80.000	0.000
BT	8.000	0.000	82.600	0.000	100.000	83.300	0.000	200.000	77.700	0.000
BT	300.000	77.400	0.000	400.000	76.100	0.000	502.000	76.800	0.000	509.000
BT	76.900	0.000	600.000	80.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* SEC. L 14 SURVEYED AT 1370 \*\*\*

X1	1325.000	19.000	348.000	365.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	81.200	0.000	79.000	100.000	79.400	286.000	63.500	300.000	58.600	310.000
GR	55.800	322.000	57.100	339.000	57.100	348.000	53.600	353.000	53.500	358.000
GR	53.800	362.000	56.400	365.000	58.700	462.000	58.400	479.000	65.900	493.000
GR	65.500	500.000	76.000	536.000	80.000	500.000	83.700	626.000	0.000	0.000

X1	1430.000	0.000	0.000	0.000	105.000	105.000	105.000	0.000	3.500	0.000
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\*\*\* SCL NR SEC. L 15 \*\*\*

X1	1480.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	.500	0.000
NC	.090	.090	.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1481.000	33.000	345.000	359.000	1.000	1.000	1.000	0.000	0.000	0.000
BT	2.000	245.000	89.700	87.100	436.000	90.000	87.400	0.000	0.000	0.000
GR	88.600	0.000	89.000	100.000	89.300	200.000	89.700	245.000	84.200	246.000
GR	69.900	300.000	87.400	300.000	87.400	305.000	69.900	305.000	65.200	324.000
GR	59.200	332.000	58.100	335.000	87.400	335.000	87.400	340.000	58.100	340.000
GR	58.100	345.000	57.600	348.000	57.400	350.000	57.700	354.000	59.200	359.000
GR	59.200	360.000	87.400	360.000	87.400	365.000	59.200	365.000	60.900	374.000
GR	69.600	400.000	87.400	400.000	87.400	405.000	69.600	405.000	84.700	435.000
GR	90.000	436.000	89.500	500.000	89.700	600.000	0.000	0.000	0.000	0.000

X1	1494.000	0.000	0.000	0.000	13.000	13.000	13.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
NC	.100	.100	.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\* SEC. L 16 \*\*\*





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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50,51,52  
 .....

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

BUZZARDS BR FAYETTEV

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	FLMIN	10K*S	Q
100.000	48.10	48.38	0.00	42.70	97.59	570.00
100.000	49.10	49.27	0.00	42.70	44.81	570.00
101.000	48.11	48.39	0.00	42.70	96.80	570.00
101.000	49.10	49.27	0.00	42.70	44.66	570.00
105.000	48.16	48.43	0.00	42.70	93.64	570.00
105.000	49.12	49.29	0.00	42.70	44.05	570.00
110.000	48.21	48.47	0.00	42.70	89.62	570.00
110.000	49.15	49.31	0.00	42.70	43.27	570.00
125.000	48.36	48.60	0.00	42.70	79.48	570.00
125.000	49.22	49.38	0.00	42.70	41.16	570.00
150.000	48.56	48.81	0.00	43.00	85.20	570.00
150.000	49.32	49.49	0.00	43.00	47.50	570.00
200.000	48.99	49.26	0.00	43.50	90.39	570.00
200.000	49.57	49.76	0.00	43.50	58.00	570.00
550.000	51.80	52.08	0.00	46.40	97.49	570.00
550.000	51.76	52.05	0.00	46.40	100.61	570.00
1075.000	56.57	56.81	0.00	51.40	83.44	570.00
1075.000	56.58	56.83	0.00	51.40	82.55	570.00
* 1125.000	58.10	61.06	0.00	52.10	732.82	570.00
* 1125.000	58.10	61.06	0.00	52.10	733.13	570.00
* 1275.000	58.98	61.59	60.80	52.60	616.97	570.00
* 1275.000	58.98	61.59	60.80	52.60	616.97	570.00
1325.000	62.14	62.15	0.00	53.50	2.15	570.00
1325.000	62.23	62.29	0.00	53.50	12.69	570.00
1430.000	62.12	62.27	0.00	57.00	78.06	570.00
1430.000	62.38	62.70	0.00	57.00	122.20	570.00



BUZZARDS BR FAYETTEV

SUMMARY PRINTOUT

SECNO	CHSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
100.000	48.10	80.78	82.00	120.00	118.69	37.91
100.000	49.10	77.74	82.00	120.00	126.00	48.26
101.000	48.11	80.75	82.00	120.00	118.71	37.96
101.000	49.10	77.73	82.00	120.00	126.00	48.27
105.000	48.16	80.63	82.00	120.00	118.80	38.17
105.000	49.12	77.67	82.00	120.00	126.00	48.33
110.000	48.21	80.46	82.00	120.00	118.92	38.45
110.000	49.15	77.60	82.00	120.00	126.00	48.40
125.000	48.36	80.01	82.00	120.00	119.25	39.24
125.000	49.22	77.39	82.00	120.00	126.00	48.61
150.000	48.56	80.27	82.00	120.00	119.06	38.78
150.000	49.32	77.97	82.00	120.00	124.97	47.00
200.000	48.99	80.50	82.00	120.00	118.90	38.40
200.000	49.57	78.75	82.00	120.00	121.04	42.29
550.000	51.80	80.78	82.00	120.00	118.69	37.91
550.000	51.78	80.89	82.00	120.00	118.61	37.72
1075.000	56.57	477.50	484.00	522.00	527.78	45.28
1075.000	56.58	478.00	484.00	522.00	527.81	44.81
1125.000	58.10	502.00	502.00	509.00	509.00	7.00
1125.000	58.10	502.00	502.00	509.00	509.00	7.00
1275.000	58.98	502.00	502.00	509.00	509.00	7.00
1275.000	58.98	502.00	502.00	509.00	509.00	7.00
1325.000	62.14	302.77	348.00	365.00	485.98	183.71
1325.000	62.23	331.50	348.00	365.00	381.50	50.00
1430.000	62.12	309.94	348.00	365.00	479.43	182.42
1430.000	62.38	331.50	348.00	365.00	381.50	50.00
1480.000	62.53	310.29	348.00	365.00	479.25	152.30
1480.000	62.99	331.50	348.00	365.00	381.50	50.00
1481.000	62.38	327.79	345.00	359.00	378.36	40.58
1481.000	62.97	327.00	345.00	359.00	377.00	40.00
1494.000	62.57	327.50	345.00	359.00	379.01	41.51
1494.000	63.09	327.00	345.00	359.00	377.00	40.00
1495.000	62.81	464.79	465.00	489.00	518.72	53.93
1495.000	63.20	464.10	465.00	489.00	502.00	37.90
1550.000	63.30	465.00	465.00	489.00	518.56	53.56
1550.000	63.63	464.42	465.00	489.00	502.00	37.58

(42)  
(38)

522  
488  
34

SYSTEMS & SOFTWARE CONSULTANTS, INC.  
 10000 WOODBURN ROAD, SUITE 100  
 WOODBURN, NJ 07095

SECNO	CWSEL	SSTA	STCHL	STCHR	FNDST	TOPWID
1000.000	63.70	464.19	465.00	489.00	519.19	55.01
1000.000	64.04	463.69	465.00	489.00	502.00	38.31

SUMMARY OF ERRORS

CAUTION SECNO# 1125.000 PROFILE# 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO# 1125.000 PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO# 1125.000 PROFILE# 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO# 1125.000 PROFILE# 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO# 1125.000 PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO# 1125.000 PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
  
CAUTION SECNO# 1275.000 PROFILE# 1 HYDRAULIC JUMP D.S.  
CAUTION SECNO# 1275.000 PROFILE# 2 HYDRAULIC JUMP D.S.

PROGRAM: HYDROLOGICAL ENGINEERING  
INSTITUTE OF CIVIL ENGINEERING  
UNIVERSITY OF TORONTO

FLOODWAY DATA BUZZARDS BR FAYETTEV  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
100.000	48.	177.	3.2	49.1	48.1	1.0
101.000	48.	177.	3.2	49.1	48.1	1.0
105.000	48.	178.	3.2	49.2	48.2	1.0
110.000	48.	179.	3.2	49.1	48.2	.9
125.000	49.	182.	3.1	49.3	48.4	.9
150.000	47.	173.	3.3	49.4	48.6	.8
200.000	42.	162.	3.5	49.6	49.0	.6
550.000	38.	134.	4.3	51.8	51.8	0.0
1075.000	45.	147.	3.9	58.6	58.6	0.0
1125.000	7.	41.	13.8	58.1	58.1	0.0
1275.000	7.	44.	13.0	59.0	59.0	0.0
1325.000	50.	513.	1.8	62.2	62.1	.1
1430.000	50.	146.	3.9	62.4	62.1	.3
1480.000	50.	151.	3.8	63.0	62.5	.5
1481.000	40.	152.	3.7	63.0	62.4	.6
1494.000	40.	157.	3.6	63.1	62.6	.5
1495.000	38.	153.	3.7	63.2	62.8	.4
1550.000	38.	148.	3.9	63.8	63.3	.5
1600.000	38.	161.	3.5	64.1	63.8	.3

HYDROLOGIC ENGINEERING, INC.  
 1000 BROADWAY, NEW YORK, N.Y. 10018

F/W  
10/14/76

SUMMARY PRINTOUT

BUZZARDS BR FAYETTEV

SECNO	CHSEL	Q	ELMIN	EG	HV	10K+S
100.00	48.10	570.00	42.70	48.38	.28	97.59
100.00	49.10	570.00	42.70	49.27	.17	44.81
101.00	48.11	570.00	42.70	48.39	.27	96.80
101.00	49.10	570.00	42.70	49.27	.17	44.66
105.00	48.16	570.00	42.70	48.43	.27	93.77
105.00	49.12	570.00	42.70	49.29	.17	44.06
110.00	48.21	570.00	42.70	48.47	.26	89.69
110.00	49.15	570.00	42.70	49.31	.16	43.34
125.00	48.36	570.00	42.70	48.60	.24	79.00
125.00	49.22	570.00	42.70	49.38	.16	41.27
150.00	48.56	570.00	43.00	48.81	.25	85.20
150.00	49.32	570.00	43.00	49.49	.17	47.77
200.00	48.99	570.00	43.50	49.26	.26	90.93
200.00	49.57	570.00	43.50	49.76	.20	57.94
550.00	51.81	570.00	46.40	52.08	.28	97.12
550.00	51.76	570.00	46.40	52.05	.28	100.62
1075.00	55.06	570.00	51.40	55.10	.04	36.98
1075.00	55.61	570.00	51.40	55.68	.06	49.46
* 1125.00	57.73	520.00	52.10	60.53	2.80	730.52
* 1125.00	57.74	520.00	52.10	60.53	2.80	729.58
* 1275.00	58.62	520.00	52.60	61.06	2.45	606.25
* 1275.00	58.62	520.00	52.60	61.06	2.45	606.26
1325.00	61.59	520.00	53.50	61.60	.01	2.62
1325.00	61.60	520.00	53.50	61.61	.01	3.69
1430.00	61.51	520.00	57.00	61.80	.29	168.39
1430.00	61.57	520.00	57.00	61.83	.26	151.00
1480.00	62.29	520.00	57.50	62.49	.20	108.08
1480.00	62.29	520.00	57.50	62.48	.19	107.32
1481.00	62.15	520.00	57.40	62.60	.44	126.08
1481.00	62.15	520.00	57.40	62.59	.44	126.95
1494.00	62.37	520.00	57.40	62.76	.39	105.15
1494.00	62.36	520.00	57.40	62.75	.39	105.68
1495.00	62.58	520.00	57.40	62.80	.22	89.98
1495.00	62.57	520.00	57.40	62.79	.22	90.45
1550.00	63.08	520.00	58.00	63.32	.24	98.76
1550.00	63.08	520.00	58.00	63.37	.29	112.63

SERIALS UNIT OPERATOR

SECNO	CHSEL	Q	ELMIN	EG	HV	10K+S
1600.00	63.55	520.00	58.00	63.72	.17	62.43
1600.00	63.62	520.00	58.00	63.83	.22	71.60

FOR THE USE OF THE USER



SUMMARY PRINTOUT

BUZZARDS BR FAYETTEV

SECNO DIFKWS TOPWID STENCL STCHL STCHR STENCR WSELK

100.00	0	37.91	0	82.00	120.00	0	48.10
100.00	1.00	48.26	76.00	82.00	120.00	126.00	48.10
101.00	0	37.96	0	82.00	120.00	0	0
101.00	.99	48.27	76.00	82.00	120.00	126.00	48.11
105.00	0	38.16	0	82.00	120.00	0	0
105.00	.97	48.33	76.00	82.00	120.00	126.00	48.16
110.00	0	38.45	0	82.00	120.00	0	0
110.00	.94	48.40	76.00	82.00	120.00	126.00	48.21
125.00	0	39.28	0	82.00	120.00	0	0
125.00	.85	48.59	76.00	82.00	120.00	126.00	48.36
150.00	0	38.78	0	82.00	120.00	0	0
150.00	.76	46.86	76.00	82.00	120.00	126.00	48.56
200.00	0	38.36	0	82.00	120.00	0	0
200.00	.57	42.31	76.00	82.00	120.00	126.00	48.99
550.00	0	37.94	0	82.00	120.00	0	0
550.00	-.04	37.72	76.00	82.00	120.00	126.00	51.81
1075.00	0	260.70	0	484.00	522.00	0	0
1075.00	0	190.34	330.00	484.00	522.00	530.00	0
• 1125.00	0	7.00	0	502.00	509.00	0	0
• 1125.00	.00	7.00	480.50	502.00	509.00	530.50	57.73
• 1275.00	0	7.00	0	502.00	509.00	0	0
• 1275.00	-.00	7.00	480.50	502.00	509.00	530.50	58.62
1325.00	0	181.05	0	348.00	365.00	0	0
1325.00	0	130.00	320.00	348.00	365.00	450.00	0
1430.00	0	120.19	0	348.00	365.00	0	0
1430.00	0	120.00	313.00	348.00	365.00	433.00	0
1480.00	0	133.18	0	348.00	365.00	0	0
1480.00	0	124.61	245.00	348.00	365.00	436.00	0
1481.00	0	39.69	0	345.00	359.00	0	0
1481.00	0	39.65	245.00	345.00	359.00	436.00	0
1494.00	0	40.60	0	345.00	359.00	0	0
1494.00	0	40.58	245.00	345.00	359.00	436.00	0
1495.00	0	53.22	0	465.00	489.00	0	0
1495.00	0	53.21	365.00	465.00	489.00	566.00	0
1550.00	0	52.96	0	465.00	489.00	0	0
1550.00	-.00	36.70	452.00	465.00	489.00	502.00	63.08

SECNO	DIFKWS	TOPWID	STENGL	STCHL	STCHR	STENCR	WSELK
1600.00	0	54.37	0	465.00	489.00	0	0
1600.00	.06	37.56	452.00	465.00	489.00	502.00	63.55

FLOODWAY DATA, BUZZARDS BR FAYETTEV  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
X 100.000	48.50	177.	3.2	<del>49.1</del> <sup>49.0<sup>1</sup></sup>	<del>48.1</del> <sup>48.1<sup>1</sup></sup>	1.0
101.000	48.50	177.	3.2	49.1	48.1	1.0
105.000	48.50	178.	3.2	49.1	48.2	1.0
110.000	48.50	179.	3.2	49.1	48.2	.9
125.000	49.50	182.	3.1	49.2	48.4	.9
150.000	47.50	173.	3.3	49.3	48.6	.8
200.000	42.50	162.	3.5	49.6	49.0	.6
A 550.000	38.50	134.	4.3	51.8	51.8	.0
B 1075.000	190.	331.	1.7	<del>55.6</del> <sup>54.0<sup>1</sup></sup>	<del>55.1</del> <sup>53.0<sup>1</sup></sup>	1.8
1125.000	7.	39.	13.4	57.7	57.7	.0
1275.000	7.	41.	12.6	58.6	58.6	.0
C 1325.000	130.	618.	.8	61.6	61.6	.0
X 1430.000	120.	168.	3.1	<del>61.6</del> <sup>64.8<sup>1</sup></sup>	<del>61.5</del> <sup>63.0<sup>1</sup></sup>	1.9
1480.000	125.	194.	2.7	62.3	62.3	.0
1481.000	40.	120.	4.3	62.1	62.2	.0
1494.000	41.	128.	4.1	62.4	62.4	.0
1495.000	53.	149.	3.5	62.6	62.6	.0
1550.000	37.50	126.	4.1	63.1	63.1	.0
X 1600.000	38.50	145.	3.6	<del>63.6</del> <sup>64.8<sup>1</sup></sup>	<del>63.6</del> <sup>63.6<sup>1</sup></sup>	1.9

NOTES: 1 B/W FROM CAPE FERRA RIVER

- POSSIBLE ERROR SECNO# 1125.00 PROFILE# 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 1125.00 PROFILE# 1 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO# 1125.00 PROFILE# 2 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 1125.00 PROFILE# 2 20 TRIALS REQUIRED TO BALANCE WSEL

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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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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 COMPUTATION. 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 CHANNEL AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SHOULD BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE ACCURATE.
- (5) THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIELD).

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 CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2105 OR 448-3292).

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C BUZZARDS BR FAYETTEVILLE NC  
 T1 FPMS BR FAYETTEVILLE FIS  
 T2 100 YR NATURAL  
 T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0	-0	-0	-0	-0	-0	48,100	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBM	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	0	38.000	52.000
J3	4.000	27.000	21.000	22.000	28.000	9.000	0	200.000	-0	-0
NC	.110	.110	.080	.200	.400	-0	-0	-0	-0	-0
QT	7.000	570.000	570.000	570.000	570.000	200.000	420.000	1110.000	-0	-0
ET	-0	-0	50.200	8.400	9.400	-0	-0	-0	-0	-0

\*\*\* COMPOSED SEC. \*\*\*

X1	100.000	17.000	82.000	120.000	-0	-0	-0	-0	-0	-0
GR	80.000	30.000	70.000	50.000	60.000	65.000	50.000	75.000	47.700	82.000
GR	43.200	92.000	42.700	100.000	43.200	108.000	48.700	120.000	50.000	140.000
GR	58.000	290.000	58.000	325.000	54.000	430.000	54.000	525.000	60.000	625.000
GR	70.000	635.000	80.000	655.000	-0	-0	-0	-0	-0	-0
X1	101.000	-0	-0	-0	1.000	1.000	1.000	-0	-0	-0
X1	105.000	-0	-0	-0	4.000	4.000	4.000	-0	-0	-0
X1	110.000	-0	-0	-0	5.000	5.000	5.000	-0	-0	-0
X1	125.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
X1	150.000	-0	-0	-0	25.000	25.000	25.000	-0	.300	-0
X1	200.000	-0	-0	-0	50.000	50.000	50.000	-0	.500	-0
X1	550.000	-0	-0	-0	300.000	300.000	300.000	-0	2.900	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	330.000	530.000

\*\*\* CLINTON RD NC 24 SEC L 13 \*\*\*

X1	1075.000	16.000	484.000	522.000	525.000	525.000	525.000	-0	-0	-0
GR	82.600	0	83.300	100.000	81.500	135.000	63.000	169.000	58.200	200.000
GR	52.200	277.000	52.400	300.000	54.100	400.000	55.300	484.000	51.600	494.000
GR	51.400	502.000	51.600	509.000	56.200	522.000	60.000	580.000	70.000	590.000
GR	80.000	630.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	520.000	520.000	520.000	520.000	190.000	370.000	1000.000	-0	-0
ET	-0	-0	50.200	-0	-0	-0	-0	-0	-0	-0

\*\*\* SEC. L 12 \*\*\*

X1	1125,000	16,000	502,000	509,000	50,000	50,000	50,000	-0	.700	-0
X3	10,000	-0	-0	-0	-0	-0	-0	76,100	80,000	-0
GR	82,600	0	83,300	100,000	81,500	135,000	63,000	169,000	58,200	200,000
GR	52,200	277,000	52,400	300,000	54,100	400,000	55,300	484,000	51,600	494,000
GR	51,400	502,000	51,600	509,000	56,200	522,000	60,000	580,000	70,000	590,000
GR	80,000	630,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,000	1,800	2,500	-0	7,000	.010	56,000	-0	52,800	52,300

X1	1275,000	-0	-0	-0	150,000	150,000	150,000	-0	.500	-0
X2	-0	-0	1,000	60,800	76,100	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	76,100	80,000	-0
BT	8,000	0	82,600	-0	100,000	83,300	-0	200,000	77,700	-0
BT	300,000	77,400	-0	400,000	76,100	-0	502,000	76,800	-0	509,000
BT	76,900	-0	600,000	80,000	-0	-0	-0	-0	-0	-0
NC	.100	.100	.080	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	320,000	450,000

\*\*\* SEC. L 14 SURVEYED AT 137U \*\*\*

X1	1325,000	19,000	348,000	365,000	50,000	50,000	50,000	-0	-0	-0
GR	81,200	0	79,000	100,000	79,400	286,000	63,500	300,000	58,600	310,000
GR	55,800	322,000	57,100	339,000	57,100	348,000	53,600	353,000	53,500	358,000
GR	53,800	362,000	56,400	365,000	58,700	462,000	58,400	479,000	65,900	493,000
GR	65,500	500,000	76,000	536,000	80,000	560,000	83,700	626,000	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	313,000	433,000

X1	1430,000	-0	-0	-0	105,000	105,000	105,000	-0	3,500	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	245,000	436,000

\*\*\* SCL RR SEC. L 15 \*\*\*

X1	1480,000	-0	-0	-0	50,000	50,000	50,000	-0	.500	-0
NC	.090	.090	.070	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	245,000	436,000

X1	1481,000	33,000	345,000	359,000	1,000	1,000	1,000	-0	-0	-0
BT	2,000	245,000	89,700	87,100	436,000	90,000	87,400	-0	-0	-0
GR	88,600	0	89,000	100,000	89,300	200,000	89,700	245,000	84,200	246,000
GR	69,900	300,000	87,400	300,000	87,400	305,000	69,900	305,000	65,200	324,000
GR	59,200	332,000	58,100	335,000	87,400	335,000	87,400	340,000	58,100	340,000
GR	58,100	345,000	57,600	348,000	57,400	350,000	57,700	354,000	59,200	359,000
GR	59,200	360,000	87,400	360,000	87,400	365,000	59,200	365,000	60,900	374,000
GR	69,600	400,000	87,400	400,000	87,400	405,000	69,600	405,000	84,700	435,000
GR	90,000	436,000	89,500	500,000	89,700	600,000	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	245,000	436,000

X1	1494,000	-0	-0	-0	13,000	13,000	13,000	-0	-0	-0
X2	-0	-0	-0	-0	-0	-0	1,000	-0	-0	-0
NC	.100	.100	.080	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	365,000	566,000

\*\*\* SEC. L 16 \*\*\*

X1	1495,000	23,000	465,000	489,000	1,000	1,000	1,000	-0	-0	-0
GR	86,600	0	85,800	38,000	82,800	100,000	81,900	200,000	83,800	300,000
GR	82,800	400,000	81,400	418,000	77,300	440,000	63,300	465,000	58,200	472,000
GR	58,000	476,000	58,200	479,000	60,000	489,000	60,700	500,000	62,900	518,000

GR	76,500	537,000	82,000	552,000	89,000	600,000	85,000	611,000	85,000	625,000
GR	86,200	633,000	89,800	700,000	90,400	750,000	-0	-0	-0	-0
ET	-0	-0	50,200	-0	-0	-0	-0	-0	-0	-0

X1	1550,000	-0	-0	-0	55,000	55,000	55,000	-0	.600	-0
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X1	1600,000	-0	-0	-0	50,000	50,000	50,000	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

UNITED STATES GOVERNMENT

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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 FIS  
 T2 FLOODWAY METHODS #2\_#1  
 T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	-0	-0	-0	-0	-0	-0	49.100	-0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15.000

\*PROF 2

CCHV= .200 CEHV= .400

\*SECNO 100.000

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	FNDST

3470 ENCROACHMENT STATIONS= 76.0 126.0 TYPE= 2 TARGET= 50.000

\*\*\* COMPOSED SEC, \*\*\*

100.00	6.40	49.10	0	48.10	49.27	.17	0	0	47.70
570.	2.	568.	0.	3.	173.	1.	0	0	48.70
0	.69	3.29	.31	.110	.080	.110	0	42.70	77.74
.004481	-0	-0	-0	0	0	1	0	48.26	126.00

FLOW DISTRIBUTION

STA#	78.	82.	120.	126.
PER Q#	.4	99.6	.1	
AREA#	3.0	172.7	1.2	
VEL#	.7	3.3	.3	

\*SECNO 101.000

3470 ENCROACHMENT STATIONS=	76.0	126.0	TYPE=	2	TARGET=	50.000			
101.00	6.40	49.10	0	48.11	49.27	.17	.00	.00	47.70
570.	2.	568.	0.	3.	173.	1.	0.	0.	48.70
.00	.69	3.28	.32	.110	.080	.110	.040	42.70	77.73
.004466	1.	1.	1.	0	0	1	0	48.27	126.00

FLOW DISTRIBUTION

STA#	78.	82.	120.	126.
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NATURALS

OK

7/27/76

C BUZZARDS BR FAYETTEVILLE NC  
T1 FPMS BR FAYETTEVILLE FIS  
T2 10 YR NATURAL  
T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	-0	-0	.010000	-0	-0	-0	46.000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	EN	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	3.000	50.000	4.000	53.000
J3	54.000	26.000	0	201.000	-0	-0	-0	-0	-0	-0
NC	.110	.110	.080	.200	.400	-0	-0	-0	-0	-0
QT	7.000	570.000	570.000	570.000	570.000	200.000	420.000	1110.000	-0	-0
ET	-0	-0	6.400	8.400	9.400	-0	-0	-0	-0	-0

\*\*\* COMPOSED SEC. \*\*\*

X1	100.000	17.000	82.000	120.000	-0	-0	-0	-0	-0	-0
GR	80.000	30.000	70.000	50.000	60.000	65.000	50.000	75.000	47.700	82.000
GR	43.200	92.000	42.700	100.000	43.200	108.000	48.700	120.000	50.000	140.000
GR	58.000	290.000	58.000	325.000	54.000	430.000	54.000	525.000	60.000	625.000
GR	70.000	635.000	80.000	655.000	-0	-0	-0	-0	-0	-0

X1	101.000	-0	-0	-0	1.000	1.000	1.000	-0	-0	-0
X1	165.000	-0	-0	-0	4.000	4.000	4.000	-0	-0	-0
X1	110.000	-0	-0	-0	5.000	5.000	5.000	-0	-0	-0
X1	125.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
X1	150.000	-0	-0	-0	25.000	25.000	25.000	-0	.300	-0
X1	200.000	-0	-0	-0	50.000	50.000	50.000	-0	.500	-0
X1	550.000	-0	-0	-0	300.000	300.000	300.000	-0	2.900	-0

\*\*\* CLINTON RD NC 24 SEC L 13 \*\*\*

X1	1075.000	16.000	484.000	522.000	525.000	525.000	525.000	-0	-0	-0
GR	82.600	0	83.300	100.000	81.500	135.000	63.000	169.000	98.200	200.000
GR	52.200	277.000	52.400	300.000	54.100	400.000	55.300	484.000	51.600	494.000
GR	51.400	502.000	51.600	509.000	56.200	522.000	60.000	580.000	70.000	590.000
GR	80.000	630.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	520.000	520.000	520.000	520.000	190.000	370.000	1000.000	-0	-0

\*\*\* SEC. L 12 \*\*\*

X3	10,000	-0	83,300	81,500	135,000	76,100	80,000	-0
GR	82,600	0	83,300	81,500	135,000	76,100	80,000	200,000
GP	57,273	377,000	52,400	59,100	500,000	424,000	51,000	477,000
GR	51,400	502,000	51,600	56,200	522,000	580,000	70,000	590,000
GR	80,000	630,000	0	0	0	0	0	0
SB	1,000	1,800	2,500	7,000	.010	0	52,800	52,300

X1	1275,000	0	0	150,000	150,000	0	0	0
X2	0	0	1,000	76,100	0	0	0	0
X3	10,000	0	0	0	0	76,100	80,000	0
BT	6,000	0	82,600	100,000	83,300	200,000	77,700	0
BT	300,000	77,400	0	400,000	0	76,800	0	509,000
BT	76,900	0	600,000	80,000	0	0	0	0
NC	110	1,100	.080	0	0	0	0	0

\*\*\* SEC. L 14 SURVEYED AT 1370 \*\*\*

X1	1325,000	19,000	348,000	50,000	50,000	300,000	58,600	-0
GR	81,200	0	79,000	79,400	286,000	300,000	58,600	310,000
GR	55,800	322,000	57,100	57,100	348,000	353,000	53,500	398,000
GR	53,800	362,000	36,400	58,700	462,000	479,000	65,900	493,000
GR	65,500	500,000	76,000	84,000	560,000	626,000	0	0
X1	1430,000	0	0	105,000	105,000	0	3,500	0

\*\*\* SCL RR SEC. L 15 \*\*\*

X1	1480,000	0	0	50,000	50,000	0	0	0
NC	0	0	0	0	0	0	0	0
X1	1481,000	33,000	345,000	1,000	1,000	1,000	0	0
BT	2,000	245,000	89,760	436,000	90,000	87,400	0	0
GK	88,600	0	89,000	89,300	200,000	89,700	84,200	246,000
GR	69,900	300,000	87,400	87,400	305,000	305,000	65,200	324,000
GR	59,200	332,000	58,100	87,400	335,000	340,000	58,100	340,000
GR	58,100	345,000	57,600	57,400	350,000	354,000	59,200	359,000
GR	59,200	360,000	87,400	87,400	365,000	365,000	60,900	374,000
GR	69,600	400,000	87,400	87,400	405,000	405,000	84,700	435,000
GR	90,000	436,000	89,500	89,700	600,000	0	0	0
X1	1494,000	0	0	13,000	13,000	0	0	0
X2	0	0	0	0	0	0	0	0
NC	100	1,100	.080	0	0	0	0	0

\*\*\* SEC. L 16 \*\*\*

X1	1495,000	23,000	465,000	1,000	1,000	200,000	83,800	300,000
GH	86,600	0	85,800	82,800	100,000	81,900	83,800	300,000
GR	82,800	400,000	81,400	77,300	440,000	465,000	58,200	472,000
GR	58,000	476,000	58,200	60,000	489,000	500,000	62,900	518,000
GH	76,500	537,000	82,800	85,600	600,000	611,000	85,800	625,000
GR	86,200	633,000	89,800	90,400	750,000	0	0	0
X1	1550,000	0	0	55,000	55,000	0	.600	0
X1	1600,000	0	0	50,000	50,000	0	0	0

\*PROF 1

CCHV\* .200 CEHV\* .400

\*SECNO 100,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	OROB	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

\*\*\* COMPOSED SEC. \*\*\*

100.00	3.24	45.94	0	46.00	46.09	.15	0	0	47.70
200.	0	200.	0	0	64.	0	0	0	48.70
0	0	3.11	0	.110	.080	.110	0	42.70	85.92
.009836	-0	-0	-0	0	0	4	0	28.05	113.97

\*SECNO 101,000

101.00	3.25	45.95	0	0	46.10	.15	.01	.00	47.70
200.	0	200.	0	0	65.	0	0.	0.	48.70
.00	0	3.10	0	.110	.080	.110	.040	42.70	85.90
.009717	1.	1.	1.	0	0	1	0	28.09	113.99

\*SECNO 105,000

105.00	3.29	45.99	0	0	46.14	.14	.04	.00	47.70
200.	0	200.	0	0	66.	0	0.	0.	48.70
.00	0	3.05	0	.110	.080	.110	.057	42.70	85.81
.009263	4.	4.	4.	0	0	1	0	28.27	114.08

\*SECNO 110,000

110.00	3.34	46.04	0	0	46.18	.14	.04	.00	47.70
200.	0	200.	0	0	67.	0	0.	0.	48.70
.00	0	2.98	0	.110	.080	.110	.062	42.70	85.69
.008691	5.	5.	5.	1	0	1	0	28.50	114.19

\*SECNO 125,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	OROB	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

125.00	3.48	46.18	0	0	46.30	.12	.12	.00	47.70
200.	0	200.	0	0	71.	0	0.	0.	48.70
.00	0	2.82	0	.110	.080	.110	.069	42.70	85.39
.007419	15.	15.	15.	0	0	1	0	29.09	114.49

\*SECNO 150,000

150.00	3.37	46.37	0	0	46.51	.13	.20	.00	48.00
200.	0	200.	0	0	68.	0	0.	0.	49.00
.00	0	2.93	0	.110	.080	.110	.073	43.00	85.61
.008326	25.	25.	25.	0	0	1	0	28.66	114.27

\*SECNO 200,000

200.00	3.30	46.80	0	0	46.94	.14	.43	.00	48.50
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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  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 50 YR NATURAL  
 T3 RUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	7.	-0	-0	.010000	-0	-0	-0	48.000	-0
J2	NPROF	IPLOT	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 100.000

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

\*\*\* COMPOSED SEC. \*\*\*

100.00	4.66	47.36	0	48.00	47.59	.23	0	0	47.70
420.	0	420.	0	0	109.	0	0	0	48.70
0	0	3.87	0	.110	.080	.110	0	42.70	82.76
.010004	-0	-0	-0	0	0	5	0	34.31	117.07

\*SECNO 101.000

101.00	4.67	47.37	0	0	47.60	.23	.01	.00	47.70
420.	0	420.	0	0	109.	0	0.	0.	48.70
.00	0	3.86	0	.110	.080	.110	.040	42.70	82.74
.009917	1.	1.	1.	0	0	1	0	34.35	117.09

\*SECNO 105.000

105.00	4.71	47.41	0	0	47.64	.23	.04	.00	47.70
420.	0	420.	0	0	110.	0	0.	0.	48.70
.00	0	3.81	0	.110	.080	.110	.057	42.70	82.65
.009579	4.	4.	4.	0	0	1	0	34.53	117.18

\*SECNO 110.000

110.00	4.77	47.47	0	0	47.69	.22	.05	.00	47.70
420.	0	420.	0	0	112.	0	0.	0.	48.70
.00	0	3.74	0	.110	.080	.110	.062	42.70	82.53
.009130	5.	5.	5.	1	0	1	0	34.77	117.30

\*\*\*\*\*  
 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 FIS  
 T2 100 YR NATURAL  
 T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	-0	-0	.010000	-0	-0	-0	50.000	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 3

CCHV= .200 CEHV= .400

\*SECNO 100,000

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

\*\*\* COMPOSED SEC. \*\*\*

100.00	5.35	48.05	0	50.00	48.34	.28	0	0	47.70
570.	0.	570.	0	0.	133.	0	0	0	48.70
0	.41	4.27	0	.110	.080	.110	0	42.70	80.92
.010141	-0	-0	-0	0	0	3	0	37.67	118.59

\*SECNO 101,000

101.00	5.37	48.07	0	0	48.35	.28	.01	.00	47.70
570.	0.	570.	0	0.	134.	0	0.	0.	48.70
.00	.42	4.26	0	.110	.080	.110	.040	42.70	80.89
.010055	1.	1.	1.	0	0	1	0	37.72	118.61

\*SECNO 105,000

105.00	5.41	48.11	0	0	48.39	.28	.04	.00	47.70
570.	0.	570.	0	0.	135.	0	0.	0.	48.70
.00	.44	4.21	0	.110	.080	.110	.057	42.70	80.77
.009725	4.	4.	4.	0	0	1	0	37.93	118.70

\*SECNO 110,000

110.00	5.47	48.17	0	0	48.44	.27	.05	.00	47.70
570.	0.	570.	0	0.	137.	0	0.	0.	48.70
.00	.47	4.15	0	.110	.080	.110	.062	42.70	80.60
.009280	5.	5.	5.	1	0	1	0	38.23	118.82

\*\*\*\*\*  
 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 FIS  
 T2 500 YR NATURAL  
 T3 BUZZARDS BR FAYETTEVILLE NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	8.	-0	-0	.010000	-0	.0	-0	55.000	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	.1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 4

CCHV= .200 CEHV= .400

\*SECNO 100,000

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

\*\*\* COMPOSED SEC. \*\*\*

100.00	7.15	49.85	0	55.00	50.30	.45	0	0	47.70
1110.	10.	1091.	9.	7.	201.	10.	0	0	48.70
0	1.37	5.43	.93	.110	.080	.110	0	42.70	75.47
.009976	-0	-0	-0	0	0	6	0	62.17	137.64

\*SECNO 101,000

101.00	7.16	49.86	0	0	50.31	.45	.01	.00	47.70
1110.	10.	1091.	10.	7.	201.	10.	0.	0.	48.70
.00	1.37	5.41	.93	.110	.080	.110	.040	42.70	75.44
.009908	1.	1.	1.	0	0	1	0	62.35	137.79

\*SECNO 105,000

105.00	7.21	49.91	0	0	50.35	.44	.04	.00	47.70
1110.	10.	1089.	10.	7.	203.	11.	0.	0.	48.70
.00	1.36	5.36	.94	.110	.080	.110	.057	42.70	75.30
.009608	4.	4.	4.	1	0	1	0	63.19	138.49

\*SECNO 110,000

110.00	7.27	49.97	0	0	50.40	.43	.05	.00	47.70
1110.	11.	1087.	12.	8.	206.	12.	0.	0.	48.70
.00	1.36	5.28	.96	.110	.080	.110	.062	42.70	75.09
.009164	5.	5.	5.	2	0	1	0	64.48	139.57

PRINTED ON 8 1/2 X 11 INCH PAPER

SUMMARY PRINTOUT

BUZZARDS BR FAYETTEV

SECNO	CHSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
100.00	45.94	200.00	42.70	46.09	.15	98.36	0	28.05	85.92	113.97	3.1
100.00	47.36	420.00	42.70	47.59	.23	100.04	1.42	34.31	82.76	117.07	3.8
100.00	48.05	570.00	42.70	48.34	.28	101.41	.70	37.67	80.92	118.59	4.2
100.00	49.85	1110.00	42.70	50.30	.45	99.76	1.79	62.17	75.47	137.64	5.4
101.00	45.95	200.00	42.70	46.10	.15	97.17	0	28.09	85.90	113.99	3.1
101.00	47.37	420.00	42.70	47.60	.23	99.17	1.42	34.35	82.74	117.09	3.8
101.00	48.07	570.00	42.70	48.35	.28	100.55	.70	37.72	80.89	118.61	4.2
101.00	49.86	1110.00	42.70	50.31	.45	99.08	1.79	62.35	75.44	137.79	5.4
105.00	45.99	200.00	42.70	46.14	.14	92.63	0	28.27	85.81	114.08	3.0
105.00	47.41	420.00	42.70	47.64	.23	95.79	1.42	34.53	82.65	117.18	3.8
105.00	48.11	570.00	42.70	48.39	.28	97.25	.70	37.93	80.77	118.70	4.2
105.00	49.91	1110.00	42.70	50.35	.44	96.08	1.80	63.19	75.30	138.49	5.3
110.00	46.04	200.00	42.70	46.18	.14	86.91	0	28.50	85.69	114.19	2.9
110.00	47.47	420.00	42.70	47.69	.22	91.30	1.43	34.77	82.53	117.30	3.7
110.00	48.17	570.00	42.70	48.44	.27	92.80	.70	38.23	80.80	118.82	4.1
110.00	49.97	1110.00	42.70	50.40	.43	91.64	1.80	64.48	75.09	139.57	5.2
125.00	46.18	200.00	42.70	46.30	.12	74.19	0	29.09	85.39	114.49	2.8
125.00	47.62	420.00	42.70	47.82	.20	80.48	1.44	35.43	82.20	117.63	3.5
125.00	48.33	570.00	42.70	48.57	.24	81.24	.71	39.10	80.89	119.19	3.9
125.00	50.14	1110.00	42.70	50.53	.39	81.75	1.81	67.77	74.86	142.63	5.0
150.00	46.37	200.00	43.00	46.51	.13	83.26	0	28.66	85.61	114.27	2.9
150.00	47.82	420.00	43.00	48.03	.21	86.45	1.45	35.06	82.38	117.44	3.6
150.00	48.53	570.00	43.00	48.79	.26	87.23	.71	38.63	80.36	118.99	4.0
150.00	50.34	1110.00	43.00	50.75	.41	86.97	1.81	65.97	74.95	140.92	5.2
200.00	46.80	200.00	43.50	46.94	.14	90.84	0	28.34	85.78	114.11	3.0
200.00	48.26	420.00	43.50	48.48	.22	91.94	1.46	34.74	82.55	117.28	3.7
200.00	48.97	570.00	43.50	49.24	.27	92.40	.71	38.26	80.58	118.84	4.1
200.00	50.78	1110.00	43.50	51.20	.43	91.71	1.80	64.46	75.09	139.55	5.2
550.00	49.63	200.00	46.40	49.78	.15	98.18	0	28.06	85.92	113.97	3.1
550.00	51.09	420.00	46.40	51.32	.23	97.03	1.46	34.46	82.68	117.15	3.8
550.00	51.81	570.00	46.40	52.08	.28	96.96	.72	37.95	80.76	118.71	4.2
550.00	53.59	1110.00	46.40	54.03	.44	96.66	1.79	63.03	75.33	138.35	5.3
1075.00	53.76	200.00	51.40	53.80	.04	60.85	0	149.97	256.98	515.10	2.0
1075.00	54.61	420.00	51.40	54.64	.04	43.67	.84	220.98	246.11	517.50	2.0
1075.00	55.06	570.00	51.40	55.10	.04	36.98	.46	260.71	240.34	518.77	2.0
1075.00	56.34	1110.00	51.40	56.37	.04	24.20	1.27	300.18	223.91	524.09	2.0
* 1125.00	55.03	190.00	52.10	56.46	1.43	733.91	0	7.00	502.00	509.00	9.6
* 1125.00	56.62	370.00	52.10	58.84	2.22	709.24	1.59	7.00	502.00	509.00	11.9
* 1125.00	57.73	520.00	52.10	60.53	2.80	730.52	1.12	7.00	502.00	509.00	13.4
* 1125.00	60.76	1000.00	52.10	65.08	4.32	839.85	3.03	7.00	502.00	509.00	16.6
* 1275.00	55.05	190.00	52.60	57.12	2.07	1320.15	0	7.00	502.00	509.00	11.5
* 1275.00	57.43	370.00	52.60	59.37	1.94	578.89	2.38	7.00	502.00	509.00	11.1
* 1275.00	58.62	520.00	52.60	61.06	2.45	606.25	1.18	7.00	502.00	509.00	12.5
* 1275.00	68.39	1000.00	52.60	69.67	1.29	201.17	9.77	7.00	502.00	509.00	9.1

SECNO	CWSEL	O	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1325.00	57.89	190.00	53.50	57.94	.05	26.98	0	115.07	313.02	428.09	2.0
1325.00	59.84	370.00	53.50	59.86	.01	6.36	1.95	174.23	307.46	481.70	1.3
1325.00	61.59	520.00	53.50	61.60	.01	2.62	1.75	181.05	303.90	484.95	1.0
1325.00	69.93	1000.00	53.50	69.94	.00	.27	8.34	220.86	294.34	515.20	.5
1430.00	59.25	190.00	57.00	60.15	.90	909.06	0	14.33	349.92	364.26	7.6
1430.00	60.64	370.00	57.00	61.25	.61	392.76	1.39	80.17	316.24	396.41	6.7
1430.00	61.51	520.00	57.00	61.80	.29	168.39	.86	120.19	312.95	432.74	5.2
1430.00	69.94	1000.00	57.00	69.94	.01	.82	8.43	205.79	297.41	503.21	.8
1480.00	61.21	190.00	57.50	61.36	.14	91.15	0	83.37	315.94	399.31	3.2
1480.00	62.00	370.00	57.50	62.15	.15	86.63	.78	119.74	312.59	432.32	3.7
1480.00	62.29	520.00	57.50	62.49	.20	108.08	.29	133.18	311.35	444.52	4.4
1480.00	69.94	1000.00	57.50	69.95	.01	.99	7.65	203.65	297.85	501.50	.8
1481.00	61.26	190.00	57.40	61.37	.11	40.55	0	35.84	329.25	375.09	2.9
1481.00	61.94	370.00	57.40	62.20	.26	77.38	.68	38.77	328.34	377.11	4.6
1481.00	62.15	520.00	57.40	62.60	.44	126.08	.21	39.69	328.06	377.75	6.1
1481.00	69.89	1000.00	57.40	69.98	.09	7.85	7.74	85.55	305.03	405.58	3.0
1494.00	61.32	190.00	57.40	61.42	.10	38.18	0	36.07	329.18	375.25	2.9
1494.00	62.06	370.00	57.40	62.30	.24	70.19	.74	39.23	328.20	377.43	4.5
1494.00	62.37	520.00	57.40	62.76	.39	105.15	.31	40.60	327.78	378.38	5.8
1494.00	69.90	1000.00	57.40	69.99	.09	7.83	7.54	85.59	305.01	405.59	3.0
1495.00	61.35	190.00	57.40	61.43	.08	46.01	0	43.33	466.86	510.19	2.4
1495.00	62.16	370.00	57.40	62.32	.16	69.18	.82	51.14	465.74	516.88	3.4
1495.00	62.58	520.00	57.40	62.80	.22	89.98	.41	53.22	465.17	518.39	4.1
1495.00	69.95	1000.00	57.40	70.00	.05	5.04	7.38	76.64	452.05	528.69	2.0
1550.00	61.63	190.00	58.00	61.75	.12	69.14	0	40.36	467.29	507.64	2.8
1550.00	62.57	370.00	58.00	62.75	.18	85.00	.93	49.27	466.01	515.27	3.7
1550.00	63.08	520.00	58.00	63.32	.24	98.76	.52	52.96	465.30	518.26	4.3
1550.00	69.98	1000.00	58.00	70.03	.05	6.16	6.89	74.84	453.06	527.90	2.1
1600.00	61.95	190.00	58.00	62.03	.08	45.77	0	43.37	466.85	510.22	2.4
1600.00	62.97	370.00	58.00	63.10	.13	56.54	1.02	52.62	465.46	518.09	3.2
1600.00	63.55	520.00	58.00	63.72	.17	62.43	.58	54.37	464.54	518.92	3.6
1600.00	70.01	1000.00	58.00	70.06	.05	6.10	6.45	74.93	453.01	527.94	2.1



FLOOD INSURANCE ZONE DATA FOR BUZZARDS BR FAYETTEV

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
100.000	0	-2.1	-.7	1.8
101.000	1	-2.1	-.7	1.8
105.000	5	-2.1	-.7	1.8
110.000	10	-2.1	-.7	1.8
125.000	25	-2.1	-.7	1.8
150.000	50	-2.2	-.7	1.8
200.000	100	-2.2	-.7	1.8
550.000	400	-2.2	-.7	1.8
1075.000	925	-1.3	-.5	1.3
1125.000	975	-2.7	-1.1	3.0
1275.000	1125	-3.6	-1.2	9.8
1325.000	1175	-3.7	-1.7	8.3
1430.000	1280	-2.3	-.9	8.4
1480.000	1330	-1.1	-.3	7.6
1481.000	1331	-.9	-.2	7.7
1494.000	1344	-1.0	-.3	7.5
1495.000	1345	-1.2	-.4	7.4
1550.000	1400	-1.4	-.5	6.9
1600.000	1450	-1.6	-.6	6.5
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WEIGHTED AVG FOR REACH		-2.1	-.8	3.6

FHF FOR THE REACH = 020 WITH 85.2% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 4

POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	2 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	2 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	3 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	3 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	4 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1125.00	PROFILE=	4 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1275.00	PROFILE=	1 SLOPE TOO STEEP
POSSIBLE ERROR	SECNO=	1430.00	PROFILE=	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1430.00	PROFILE=	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1430.00	PROFILE=	2 CRITICAL DEPTH ASSUMED