

NATURAL  
CK  
7/17/76

T1 FPM5 BR FAYETTEVILLE NC FIS  
T2 10 YR NATURAL  
T3 DARK BR

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FQ
	-1.	6.	-0	-0	.000040	-0	-0	-0	112,000	-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
NC	.120	.120	.060	.200	.400	-0	-0	-0	-0	-0
QT	7,000	860,000	860,000	860,000	860,000	320,000	650,000	1670,000	-0	-0
ET	-0	-0	100,200	-0	-0	-0	-0	-0	-0	-0
X1	420,000	30,000	900,000	911,000	0	0	0	-0	-0	-0
GR	120,000	0	109,200	1,000	107,700	50,000	107,200	100,000	107,800	150,000
GR	107,500	200,000	107,200	250,000	109,000	300,000	109,800	350,000	109,800	400,000
GR	110,100	450,000	111,200	500,000	110,900	550,000	111,900	600,000	112,400	650,000
GR	112,900	700,000	113,000	750,000	112,600	800,000	111,100	850,000	110,700	900,000
GR	109,900	902,000	106,100	905,000	109,700	909,000	110,700	911,000	110,800	950,000
GR	111,200	1000,000	114,200	1050,000	116,500	1100,000	118,300	1150,000	121,300	1200,000
X1	430,000	-0	-0	-0	10,000	10,000	10,000	-0	-0	-0
X1	820,000	12,000	120,000	130,000	390,000	390,000	390,000	-0	-0	-0
GR	120,000	0	118,000	50,000	116,000	70,000	114,000	85,000	113,000	120,000
GR	110,000	125,000	113,000	130,000	114,000	150,000	116,000	170,000	118,000	220,000
GR	118,000	265,000	120,000	275,000	-0	-0	-0	-0	-0	-0
X1	1420,000	13,000	145,000	155,000	600,000	600,000	600,000	-0	-0	-0
GR	126,000	0	124,000	30,000	122,000	65,000	120,000	80,000	118,000	90,000
GR	117,000	145,000	116,000	150,000	117,000	155,000	118,000	270,000	120,000	300,000
GR	122,000	320,000	124,000	350,000	126,000	380,000	-0	-0	-0	-0
QT	7,000	770,000	770,000	776,000	770,000	270,000	570,000	1480,000	-0	-0
X1	1985,000	17,000	390,000	412,000	565,000	565,000	565,000	-0	-4,000	-0
GR	134,200	65,000	133,100	100,000	131,800	150,000	129,900	200,000	128,600	250,000
GR	127,100	300,000	127,200	350,000	125,300	390,000	123,000	393,000	122,900	407,000
GR	127,100	412,000	128,900	450,000	129,500	500,000	129,900	550,000	129,500	600,000
GR	132,100	650,000	134,200	685,000	-0	-0	-0	-0	-0	-0
X1	2325,000	-0	-0	-0	340,000	340,000	340,000	-0	4,000	-0
NC	.080	.080	.025	-0	-0	-0	-0	-0	-0	-0
X1	2375,000	17,000	393,000	409,000	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	127,700	127,700	-0
GR	134,200	65,000	133,100	100,000	131,800	150,000	129,900	200,000	128,600	250,000
GR	127,100	300,000	127,200	350,000	125,300	393,000	123,300	393,000	123,300	409,000
GR	127,100	409,000	128,900	450,000	129,500	500,000	129,900	550,000	129,500	600,000
GR	132,100	650,000	134,200	685,000	-0	-0	-0	-0	-0	-0
SB	1,250	1,930	2,500	0	16,000	4,000	52,000	0	123,300	123,300

2

X1	2435,000	=0	=0	=0	60,000	60,000	60,000	=0	=0	=0
X2	=0	=0	1,000	127,700	127,800	=0	=0	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	127,800	127,800	=0
BT	10,000	200,000	129,900	129,900	250,000	128,900	128,600	300,000	128,000	127,100
BT	350,000	127,000	127,200	393,000	128,200	127,700	409,000	128,300	127,700	450,000
BT	128,900	128,900	500,000	129,500	129,500	550,000	130,500	129,900	600,000	132,300
BT	129,500	=0	=0	=0	=0	=0	=0	=0	=0	=0
NC	.100	.100	.050	=0	=0	=0	=0	=0	=0	=0

X1	2450,000	=0	=0	=0	15,000	15,000	15,000	=0	=0	=0
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X1	3250,000	19,000	490,000	510,000	800,000	800,000	800,000	=0	=0	=0
GR	150,400	0	144,800	50,000	139,500	100,000	139,100	150,000	137,200	200,000
GR	136,200	250,000	135,900	300,000	133,800	350,000	131,900	400,000	133,100	450,000
GR	133,700	490,000	128,500	492,000	128,700	500,000	133,000	510,000	133,400	550,000
GR	134,300	600,000	138,800	650,000	145,600	700,000	150,500	740,000	=0	=0
NC	.100	.100	.030	=0	=0	=0	=0	=0	=0	=0
NC	.050	.050	.030	=0	=0	=0	=0	=0	=0	=0
QT	7,000	700,000	700,000	700,000	700,000	240,000	510,000	1340,000	=0	=0
ET	=0	=0	4000,200	=0	=0	=0	=0	=0	=0	=0

X1	3300,000	15,000	400,000	650,000	50,000	50,000	50,000	=0	=0	=0
GR	150,900	0	145,600	50,000	144,200	100,000	143,500	150,000	142,600	200,000
GR	142,600	250,000	142,500	300,000	142,600	350,000	142,600	400,000	142,100	450,000
GR	142,000	550,000	141,700	600,000	142,200	650,000	147,300	700,000	153,200	740,000

X1	3350,000	9,000	55,000	380,000	50,000	50,000	50,000	=0	=0	=0
GR	140,000	0	138,000	25,000	136,000	55,000	134,000	100,000	132,000	140,000
GR	130,000	180,000	130,000	330,000	130,000	380,000	140,000	410,000	=0	=0

X1	4020,000	8,000	60,000	260,000	670,000	670,000	670,000	=0	=0	=0
GR	140,000	0	138,000	30,000	136,000	60,000	134,000	120,000	134,000	160,000
GR	136,000	260,000	138,000	325,000	140,000	355,000	=0	=0	=0	=0
NC	.100	.100	.050	=0	=0	=0	=0	=0	=0	=0
NC	.100	.100	.050	.200	.600	=0	=0	=0	=0	=0
ET	=0	=0	50,200	=0	=0	=0	=0	=0	=0	=0

X1	4440,000	16,000	338,000	362,000	420,000	420,000	420,000	=0	=0	=0
GR	156,700	0	151,400	50,000	149,400	100,000	147,000	150,000	145,700	200,000
GR	144,500	250,000	142,700	300,000	142,000	338,000	137,900	342,000	137,800	358,000
GR	141,700	362,000	144,000	400,000	146,200	450,000	151,900	500,000	160,500	550,000
GR	164,900	577,000	=0	=0	=0	=0	=0	=0	=0	=0
NC	.100	.100	.015	=0	=0	=0	=0	=0	=0	=0

X1	4494,000	16,000	338,000	350,600	50,000	50,000	50,000	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	142,800	142,800	=0
GR	156,700	0	151,400	50,000	149,400	100,000	147,000	150,000	145,700	200,000
GR	144,500	250,000	142,700	300,000	142,000	338,000	137,300	338,000	137,300	350,600
GR	141,700	350,600	144,000	400,000	146,200	450,000	151,900	500,000	160,500	550,000
GR	164,900	577,000	=0	=0	=0	=0	=0	=0	=0	=0
SB	1,250	2,100	2,500	=0	12,600	4,000	47,500	=0	139,300	137,300

X1	4544,000	=0	=0	=0	=0	=0	=0	=0	2,000	=0
X2	=0	=0	1,000	142,800	159,100	=0	=0	=0	=0	=0
X3	10,000	=0	=0	=0	=0	=0	=0	159,100	159,100	=0
BT	9,000	50,000	163,200	153,400	150,000	160,800	150,000	250,000	159,300	146,500

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BT	100.000	140.000	490.000	100.700	140.200	590.000	103.000	102.900	-0	-0
NC	.100	.100	.050	-0	-0	-0	-0	-0	-0	-0
X1	4594.000	16.000	338.000	362.000	50.000	50.000	50.000	-0	2.000	-0
GR	150.700	0	151.400	50.000	149.400	100.000	147.000	150.000	145.700	200.000
GR	144.500	250.000	142.700	300.000	142.000	338.000	137.900	342.000	137.800	358.000
GR	141.700	362.000	144.000	400.000	146.200	450.000	151.900	500.000	160.500	550.000
GR	164.900	577.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	4994.000	14.000	200.000	219.000	400.000	400.000	400.000	-0	-0	-0
GR	150.100	0	147.100	50.000	144.100	70.000	143.900	100.000	142.900	150.000
GR	143.800	200.000	140.400	206.000	139.100	211.000	140.100	215.000	143.900	219.000
GR	144.000	250.000	145.000	300.000	148.400	350.000	153.100	400.000	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

7-78 10001 10001 10001 10001

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 INTERACTIVE MEC2 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 DARK BR

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	2.	-0	-0	.000040	-0	-0	-0	114.000	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBM	CHNIM	ITRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 3

CCHV\* .200 CEHV\* .400  
 \*SECNO 420,000

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	QLOSS	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
420.00	7.94	114.04	0	114.00	114.04	.00	0	0	110.70
860.	783.	23.	54.	3528.	58.	347.	0	0	110.70
0	.22	.39	.16	.120	.060	.120	0	106.10	.55
.000040	0	0	0	0	0	3	0	1046.77	1047.32

\*SECNO 430,000

430.00	7.94	114.04	0	0	114.04	.00	.00	.00	110.70
860.	783.	23.	54.	3529.	58.	347.	1.	0.	110.70
.01	.22	.39	.16	.120	.060	.120	.055	106.10	.55
.000040	10.	10.	10.	0	0	1	0	1046.77	1047.33

\*SECNO 820,000

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	QLOSS	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
820.00	5.61	115.61	115.61	0	116.43	.81	.06	0	113.00
860.	279.	408.	173.	84.	41.	55.	19.	5.	113.00
.03	3.33	9.93	3.13	.120	.060	.120	.060	110.00	72.90

2-10-1976 10:00 AM

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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 DARK BR

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FG  
 -10. 8. -0 -0 .000040 -0 -0 -0 116.000 -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 420,000

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	XLN	XLNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

420,00	10,03	116,13	0	116,00	116,13	.00	0	0	110,70	
1670.	1486.	40.	144.	5406.	81.	678.	0	0	110,70	
0	.27	.49	.21	.120	.060	.120	0	106,10	.36	
.000040	0	0	0	0	0	3	0	1091,53	1091,89	

\*SECNO 430,000

430,00	10,03	116,13	0	0	116,13	.00	.00	.00	110,70	
1670.	1486.	40.	144.	5407.	81.	678.	1.	0.	110,70	
.01	.27	.49	.21	.120	.060	.120	.055	106,10	.36	
.000040	10.	10.	10.	0	0	1	0	1091,54	1091,90	

\*SECNO 820,000

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	XLN	XLNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

820,00	6,70	116,70	116,70	0	117,72	1,02	.06	0	113,00	
1670.	623.	625.	422.	140.	52.	104.	30.	6.	113,00	
.03	4,44	12,01	4,05	.120	.060	.120	.060	110,00	62,96	

SUMMARY PRINTOUT

DARK BR

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
420.00	111.86	320.00	106.10	111.86	.00	.40	0	783.57	.75	1011.00	.2
420.00	113.33	650.00	106.10	113.34	.00	.40	1.47	1034.96	.62	1039.58	.3
420.00	114.04	860.00	106.10	114.04	.00	.40	.70	1046.77	.55	1047.32	.3
420.00	116.13	1670.00	106.10	116.13	.00	.40	2.09	1091.53	.36	1091.89	.4
430.00	111.86	320.00	106.10	111.86	.00	.40	0	783.61	.75	1011.01	.2
430.00	113.34	650.00	106.10	113.34	.00	.40	1.47	1034.97	.62	1039.59	.3
430.00	114.04	860.00	106.10	114.04	.00	.40	.70	1046.77	.55	1047.33	.3
430.00	116.13	1670.00	106.10	116.13	.00	.40	2.09	1091.54	.36	1091.90	.4
* 820.00	114.49	320.00	110.00	115.05	.55	239.34	0	73.59	81.32	154.91	7.1
* 820.00	115.15	650.00	110.00	115.97	.82	323.48	.66	85.21	76.34	161.55	9.5
* 820.00	115.61	860.00	110.00	116.43	.81	299.26	.46	93.22	72.90	166.13	9.9
* 820.00	116.70	1670.00	110.00	117.72	1.02	320.05	1.09	124.63	62.96	187.59	12.0
1420.00	119.08	320.00	116.00	119.11	.03	30.37	0	201.64	84.59	286.23	2.5
1420.00	120.02	650.00	116.00	120.06	.04	27.29	.94	220.60	79.74	300.34	2.9
1420.00	120.47	860.00	116.00	120.51	.05	27.94	.44	228.17	76.50	304.67	3.2
1420.00	121.85	1670.00	116.00	121.92	.07	28.02	1.38	252.33	66.14	318.47	3.9
1985.00	121.88	270.00	118.90	122.30	.41	144.29	0	32.88	377.68	410.55	5.1
1985.00	122.73	570.00	118.90	123.61	.87	231.56	.85	51.87	359.70	411.57	7.7
* 1985.00	123.36	770.00	118.90	124.27	.91	209.47	.63	126.19	291.31	417.50	8.1
1985.00	124.48	1480.00	118.90	125.42	.95	195.06	1.11	187.21	253.95	441.16	9.3
2325.00	126.14	270.00	122.90	126.47	.33	104.74	0	38.50	372.36	410.85	4.6
2325.00	127.65	570.00	122.90	128.01	.36	79.51	1.51	141.90	281.69	423.60	5.2
2325.00	128.14	770.00	122.90	128.51	.38	79.38	.49	168.35	265.50	433.85	5.6
2325.00	129.25	1480.00	122.90	129.67	.42	83.11	1.11	253.98	225.06	479.04	6.7
2375.00	126.31	270.00	123.30	126.79	.49	31.42	0	16.00	393.00	409.00	5.6
2375.00	127.51	570.00	123.30	128.62	1.11	51.16	1.21	15.00	393.00	409.00	8.4
2375.00	128.21	770.00	123.30	128.82	.60	26.72	.70	171.37	262.95	434.32	7.2
2375.00	129.31	1480.00	123.30	130.01	.70	30.10	1.10	261.72	222.61	484.34	8.7
2435.00	127.06	270.00	123.30	127.37	.31	16.33	0	16.00	393.00	409.00	4.4
* 2435.00	128.56	570.00	123.30	128.79	.23	9.92	1.50	191.01	251.28	442.29	4.6
* 2435.00	128.89	770.00	123.30	129.18	.29	12.60	.33	211.35	238.58	449.93	5.4
* 2435.00	129.32	1480.00	123.30	130.01	.69	29.77	.43	263.04	222.20	485.24	8.7
2450.00	127.26	270.00	123.30	127.43	.18	36.19	0	117.65	294.86	412.51	3.6
2450.00	128.71	570.00	123.30	128.83	.12	23.08	1.46	200.19	245.59	445.78	3.5
2450.00	129.11	770.00	123.30	129.24	.13	26.01	.40	237.38	230.30	467.68	3.9
2450.00	129.99	1480.00	123.30	130.17	.18	35.61	.88	411.52	197.79	609.31	5.1
3250.00	132.16	270.00	128.50	132.71	.55	143.39	0	35.26	393.11	508.05	5.9
* 3250.00	133.27	570.00	128.50	133.94	.67	151.11	1.11	144.76	363.87	537.28	7.1
* 3250.00	133.68	770.00	128.50	134.31	.63	143.54	.41	211.19	353.13	565.61	7.4
3250.00	134.59	1480.00	128.50	135.12	.53	122.59	.91	271.95	331.25	603.20	7.9
* 3300.00	142.33	240.00	141.70	142.49	.17	196.19	0	223.88	427.36	651.24	3.2
* 3300.00	142.55	510.00	141.70	142.81	.25	162.58	.23	301.30	273.71	653.46	4.0
* 3300.00	142.71	700.00	141.70	142.96	.26	121.69	.15	460.82	194.14	654.96	4.1
* 3300.00	142.99	1340.00	141.70	143.34	.36	114.56	.28	479.12	178.58	657.70	5.0

FORM 100-10-60

SECNO	CWSEL	O	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
3350.00	142.53	240.00	130.00	142.53	.00	.00	0	410.00	0	410.00	.0
3350.00	142.86	510.00	130.00	142.86	.00	.00	.33	410.00	0	410.00	.1
3350.00	143.01	700.00	130.00	143.01	.00	.01	.15	410.00	0	410.00	.1
3350.00	143.41	1340.00	130.00	143.42	.00	.02	.40	410.00	0	410.00	.3
4020.00	142.53	240.00	134.00	142.53	.00	.00	0	355.00	0	355.00	.1
4020.00	142.86	510.00	134.00	142.86	.00	.02	.33	355.00	0	355.00	.2
4020.00	143.01	700.00	134.00	143.01	.00	.03	.15	355.00	0	355.00	.3
4020.00	143.41	1340.00	134.00	143.42	.01	.09	.40	355.00	0	355.00	.6
4440.00	142.49	240.00	137.80	142.59	.09	13.20	0	63.76	311.32	375.08	2.4
4440.00	142.71	510.00	137.80	143.08	.37	48.46	.22	79.07	299.65	378.73	4.9
4440.00	142.75	700.00	137.80	143.42	.68	88.22	.03	80.65	298.67	379.32	6.7
4440.00	143.58	1340.00	137.80	144.88	1.30	145.81	.84	117.69	275.44	393.13	9.7
4494.00	142.47	240.00	137.30	142.68	.21	3.28	0	12.60	338.00	350.60	3.6
4494.00	142.62	510.00	137.30	143.52	.90	13.64	.14	12.60	338.00	350.60	7.6
4494.00	142.54	700.00	137.30	144.29	1.75	26.83	.07	12.60	338.00	350.60	10.6
4494.00	144.89	1340.00	137.30	146.46	1.57	17.77	2.35	186.58	233.69	420.26	11.2
4544.00	142.87	240.00	139.30	143.31	.44	9.63	0	12.60	338.00	350.60	5.3
4544.00	145.77	510.00	139.30	146.38	.61	7.56	2.90	12.60	338.00	350.60	6.2
4544.00	149.13	700.00	139.30	149.62	.50	4.23	3.36	12.60	338.00	350.60	9.8
4544.00	160.21	1340.00	139.30	160.22	.01	.05	11.09	536.73	0	536.73	1.2
4594.00	143.24	240.00	139.80	143.44	.21	42.77	0	22.79	338.74	361.53	3.6
4594.00	146.43	510.00	139.80	146.52	.09	9.68	3.19	158.11	251.79	409.90	2.7
4594.00	149.72	700.00	139.80	149.73	.01	1.35	3.29	328.24	135.07	463.31	1.3
4594.00	160.22	1340.00	139.80	160.22	.00	.07	10.50	536.73	0	536.73	.5
4994.00	144.40	240.00	139.10	144.47	.07	16.43	0	202.31	67.96	270.27	2.5
4994.00	146.72	510.00	139.10	146.74	.01	3.06	2.32	272.80	52.52	325.32	1.5
4994.00	149.76	700.00	139.10	149.77	.00	.60	3.04	358.89	5.61	364.50	.9
4994.00	160.22	1340.00	139.10	160.22	.00	.06	10.46	400.00	0	400.00	.4

FORM 1000 (REV. 10-1-60)



FLOOD INSURANCE ZONE DATA FOR DARK BR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.2'
420.000	0	-2.2	-.7	2.1
430.000	10.	-2.2	-.7	2.1
820.000	400.	-1.1	-.5	1.1
1420.000	1000.	-1.4	-.4	1.4
1985.000	1565.	-1.5	-.6	1.1
2325.000	1905.	-2.0	-.5	1.1
2375.000	1955.	-1.9	-.7	1.1
2435.000	2015.	-1.8	-.3	.4
2450.000	2030.	-1.9	-.4	.9
3250.000	2830.	-1.5	-.4	.9
3300.000	2880.	-.4	-.2	.3
3350.000	2930.	-.5	-.2	.4
4020.000	3600.	-.5	-.2	.4
4440.000	4020.	-.3	-.0	.8
4494.000	4070.	-.1	.1	2.3
4544.000	4071.	-6.3	-3.4	11.1
4594.000	4121.	-6.5	-3.3	10.5
4994.000	4521.	-5.4	-3.0	10.5
-----				
WEIGHTED AVG FOR REACH		-1.7	-.7	1.9

FHF FOR THE REACH = 015 WITH 62.6% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10'	1'	DIFF.			
-----							
SEC. 420.000							
1	100.	111.9	114.0	-2.2	-2.2	020	100.
SEC. 430.000							
2	200.	112.5	114.4	-1.9	-2.1	020	100.
3	300.	113.5	115.0	-1.5	-1.9	020	100.
SEC. 820.000							
4	400.	114.2	115.4	-1.3	-1.7	015	100.
5	500.	114.9	116.0	-1.1	-1.6	015	80.
6	600.	115.6	116.8	-1.2	-1.5	015	83.
7	700.	116.4	117.6	-1.2	-1.5	015	86.
8	800.	117.2	118.4	-1.3	-1.5	015	88.
9	900.	117.9	119.3	-1.3	-1.4	015	89.
SEC. 1420.000							
10	1000.	118.7	120.1	-1.4	-1.4	015	90.
11	1100.	119.3	120.7	-1.4	-1.4	015	91.
12	1200.	119.8	121.2	-1.4	-1.4	015	92.
13	1300.	120.3	121.7	-1.4	-1.4	015	92.

2



14	1400.	120.8	122.3	-1.4	-1.4	015	93.
15	1500.	121.3	122.8	-1.5	-1.4	015	93.
	1565.					SEC.	1985.000
16	1600.	121.9	123.4	-1.5	-1.4	015	94.
17	1700.	122.9	124.6	-1.6	-1.4	015	94.
18	1800.	124.2	126.0	-1.8	-1.5	015	94.
19	1900.	125.5	127.4	-1.9	-1.5	015	95.
	1905.					SEC.	2325.000
	1955.					SEC.	2375.000
20	2000.	126.6	128.5	-1.9	-1.5	015	95.
	2015.					SEC.	2435.000
	2030.					SEC.	2450.000
21	2100.	127.5	129.3	-1.8	-1.5	015	95.
22	2200.	128.0	129.8	-1.8	-1.5	015	95.
23	2300.	128.6	130.4	-1.8	-1.5	015	96.
24	2400.	129.2	130.9	-1.7	-1.6	015	96.
25	2500.	129.8	131.5	-1.7	-1.6	015	96.
26	2600.	130.4	132.1	-1.6	-1.6	015	96.
27	2700.	131.1	132.7	-1.6	-1.6	015	96.
28	2800.	131.7	133.2	-1.6	-1.6	015	96.
	2830.					SEC.	3250.000
	2880.					SEC.	3300.000
29	2900.	142.4	142.8	-0.4	-1.5	015	93.
	2930.					SEC.	3350.000
30	3000.	142.5	142.9	-0.5	-1.5	015	90.
31	3100.	142.5	143.0	-0.5	-1.5	015	87.
32	3200.	142.5	143.0	-0.5	-1.4	015	84.
33	3300.	142.5	143.0	-0.5	-1.4	015	76.
34	3400.	142.5	143.0	-0.5	-1.4	015	71.
35	3500.	142.5	143.0	-0.5	-1.3	015	69.
	3600.					SEC.	4020.000
36	3600.	142.5	143.0	-0.5	-1.3	015	64.
37	3700.	142.5	143.0	-0.5	-1.3	015	59.
38	3800.	142.5	142.9	-0.4	-1.3	015	58.
39	3900.	142.5	142.9	-0.3	-1.2	010	51.
40	4000.	142.5	142.8	-0.3	-1.2	010	50.
	4020.					SEC.	4440.000
	4070.					SEC.	4494.000
	4071.					SEC.	4544.000
41	4100.	143.0	149.3	-6.3	-1.3	015	59.
	4121.					SEC.	4594.000
42	4200.	143.3	149.6	-6.3	-1.5	015	64.
43	4300.	143.6	149.7	-6.1	-1.6	015	63.
44	4400.	143.9	149.7	-5.8	-1.7	015	59.
45	4500.	144.2	149.8	-5.6	-1.8	020	53.
	4521.					SEC.	4994.000

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 32 45  
 A NEGATIVE INC NO, WILL SUPPRESS INTERMEDIATE INC OUTPUT.

- POSSIBLE ERROR SECNO# 820.00 PROFILE# 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 1 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 2 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 2 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 3 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO# 820.00 PROFILE# 4 CRITICAL DEPTH ASSUMED

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OK  
9/23/76

SUMMARY PRINTOUT

DARK BR

SECNO	CHSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
420.00	114.00	860.00	106.10	114.00	.00	.41	0	1046.11	.56	1046.67	.4
420.00	115.00	860.00	106.10	115.09	.09	28.35	1.00	100.00	855.50	955.50	3.6
430.00	114.00	860.00	106.10	114.00	.00	.41	0	1046.12	.56	1046.67	.4
430.00	115.03	860.00	106.10	115.12	.09	27.79	1.03	100.00	855.50	955.50	3.6
820.00	115.60	860.00	110.00	116.42	.82	303.88	0	93.02	72.99	166.01	9.9
820.00	116.69	860.00	110.00	116.97	.28	87.88	1.09	100.00	75.00	175.00	6.2
1420.00	120.47	860.00	116.00	120.51	.05	27.80	0	228.25	76.46	304.71	3.2
1420.00	120.89	860.00	116.00	121.03	.13	52.82	.42	100.00	100.00	200.00	4.7
1985.00	123.36	770.00	118.90	124.27	.91	209.48	0	126.19	291.31	417.50	8.1
1985.00	124.32	770.00	118.90	124.75	.43	80.63	.96	86.73	351.00	437.73	5.8
2325.00	128.14	770.00	122.90	128.51	.38	79.38	0	168.35	265.50	433.85	5.6
2325.00	127.74	770.00	122.90	128.42	.68	142.76	-.40	74.38	351.00	425.38	7.1
2375.00	128.21	770.00	123.30	128.82	.60	26.72	0	171.37	262.95	434.32	7.2
2375.00	127.91	770.00	123.30	128.91	1.00	42.39	-.31	76.59	351.00	427.59	8.7
2435.00	128.89	770.00	123.30	129.18	.29	12.60	0	211.35	238.58	449.93	5.4
2435.00	128.46	770.00	123.30	129.13	.66	25.68	-.42	89.17	351.00	440.17	7.3
2450.00	129.11	770.00	123.30	129.24	.13	26.01	0	237.38	230.30	467.68	3.9
2450.00	128.91	770.00	123.30	129.25	.34	53.58	-.20	99.89	351.00	450.89	5.5
3250.00	133.68	770.00	128.50	134.31	.63	143.54	0	211.19	353.13	565.61	7.4
3250.00	134.44	770.00	128.50	135.06	.63	99.36	.75	100.00	450.00	550.00	7.0
3300.00	142.71	700.00	141.70	142.96	.26	121.69	0	460.82	194.14	654.96	4.1
3300.00	142.70	700.00	141.70	142.96	.26	122.28	-.00	460.76	194.18	654.95	4.1
3350.00	143.01	700.00	130.00	143.01	.00	.01	0	410.00	0	410.00	.1
3350.00	143.01	700.00	130.00	143.01	.00	.01	.00	409.99	.01	410.00	.1
4020.00	143.01	700.00	134.00	143.01	.00	.03	0	355.00	0	355.00	.3
4020.00	143.01	700.00	134.00	143.01	.00	.03	.00	354.99	.01	355.00	.3
4440.00	142.75	700.00	137.80	143.42	.68	88.22	0	80.65	298.67	379.32	6.7
4440.00	142.74	700.00	137.80	143.43	.69	89.16	-.00	50.00	325.00	375.00	6.7
4494.00	142.54	700.00	137.30	144.29	1.75	26.83	0	12.60	338.00	350.60	10.6
4494.00	142.54	700.00	137.30	144.29	1.74	26.82	.00	12.60	338.00	350.60	10.6
4544.00	149.13	700.00	139.30	149.62	.50	4.23	0	12.60	338.00	350.60	5.6
4544.00	149.13	700.00	139.30	149.62	.50	4.23	.00	12.60	338.00	350.60	5.6
4594.00	149.72	700.00	139.80	149.73	.01	1.35	0	328.24	135.07	463.31	1.3
4594.00	149.64	700.00	139.80	149.73	.09	4.98	-.08	50.00	325.00	375.00	2.6
4994.00	149.76	700.00	139.10	149.77	.00	.60	0	358.89	5.61	364.50	.9
4994.00	149.86	700.00	139.10	149.96	.11	6.58	.09	50.00	184.50	234.50	3.0

F/W  
OK

FLOODWAY DATA, DARK BR  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
420.000	100.	441.	2.0	115.0	114.0	1.0
430.000	100.	443.	1.9	115.0	114.0	1.0
820.000	100.	285.	3.0	116.7	115.6	1.1
1420.000	100.	367.	2.3	120.9	120.5	.4
1985.000	87.	202.	3.8	124.3	123.4	1.0
2325.000	74.	154.	5.0	127.7	128.1	-.4
2375.000	77.	152.	5.1	127.9	128.2	-.3
2435.000	89.	198.	3.9	128.5	128.9	-.4
2450.000	100.	240.	3.2	128.9	129.1	-.2
3250.000	100.	180.	4.3	134.4	133.7	.8
3300.000	461.	191.	3.7	142.7	142.7	0.0
3350.000	410.	4125.	.2	143.0	143.0	.0
4020.000	355.	2454.	.3	143.0	143.0	.0
4440.000	50.	118.	5.9	142.7	142.7	0.0
4494.000	13.	66.	10.6	142.5	142.5	.0
4544.000	13.	124.	5.7	149.1	149.1	.0
4594.000	50.	363.	1.9	149.6	149.7	-.1
4994.000	50.	358.	2.0	149.9	149.8	.1

134.6

142.6

142.6

144.5

147.7

SUMMARY PRINTOUT

DARK BR

SECNO	CHSEL	EG	WSELK	TOPHD	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR
420.00	114.00	114.00	114.00	1046.11	783.68	22.78	53.54	0	0	900.00	911.0
420.00	115.00	115.09	114.00	100.00	293.82	252.41	313.76	100.00	855.50	900.00	911.0
430.00	114.00	114.00	0	1046.12	783.67	22.78	53.55	0	0	900.00	911.0
430.00	115.03	115.12	114.00	100.00	294.13	251.81	314.06	100.00	855.50	900.00	911.0
820.00	115.60	116.42	0	93.02	278.11	409.45	172.44	0	0	120.00	130.0
820.00	116.69	116.97	115.60	100.00	315.43	326.21	218.36	100.00	75.00	120.00	130.0
1420.00	120.47	120.51	0	228.25	232.99	128.37	498.63	0	0	145.00	155.0
1420.00	120.89	121.03	120.47	100.00	310.18	289.31	340.51	100.00	100.00	145.00	155.0
1985.00	123.36	124.27	0	126.19	92.54	677.13	.33	0	0	390.00	412.0
1985.00	124.32	124.75	123.36	86.73	145.44	612.04	12.52	100.00	351.00	390.00	412.0
2325.00	128.14	128.51	0	168.35	193.35	568.61	8.04	0	0	390.00	412.0
2325.00	127.74	128.42	128.14	74.38	113.17	653.92	2.91	100.00	351.00	390.00	412.0
2375.00	128.21	128.82	0	171.37	193.22	567.65	9.13	0	0	393.00	409.0
2375.00	127.91	128.91	128.21	76.59	120.09	644.86	5.05	100.00	351.00	393.00	409.0
2435.00	128.89	129.18	0	211.35	262.89	484.56	22.56	0	0	393.00	409.0
2435.00	128.46	129.13	128.89	89.17	148.51	605.91	15.58	100.00	351.00	393.00	409.0
2450.00	129.11	129.24	0	237.38	361.84	370.77	37.39	0	0	393.00	409.0
2450.00	128.91	129.25	129.11	99.89	230.12	501.74	38.13	100.00	351.00	393.00	409.0
3250.00	133.68	134.31	0	211.19	194.94	552.98	22.08	0	0	490.00	510.0
3250.00	134.44	135.06	133.68	100.00	61.32	625.95	82.73	100.00	450.00	490.00	510.0
3300.00	142.71	142.96	0	460.82	22.62	675.74	1.64	0	0	400.00	650.0
3300.00	142.70	142.96	142.71	460.76	22.43	675.93	1.63	4000.00	.01	400.00	650.0
3350.00	143.01	143.01	0	410.00	17.95	672.58	9.47	0	0	55.00	380.0
3350.00	143.01	143.01	143.01	409.99	17.95	672.58	9.47	4000.00	.01	55.00	380.0
4020.00	143.01	143.01	0	355.00	45.25	572.74	82.00	0	0	60.00	260.0
4020.00	143.01	143.01	143.01	354.99	45.25	572.75	82.01	4000.00	.01	60.00	260.0
4440.00	142.75	143.42	0	80.65	11.42	680.36	8.22	0	0	338.00	362.0
4440.00	142.74	143.43	142.75	50.00	8.12	683.08	8.80	50.00	325.00	338.00	362.0
4494.00	142.54	144.29	0	12.60	0	700.00	0	0	0	338.00	350.6
4494.00	142.54	144.29	142.54	12.60	0	700.00	0	50.00	319.30	338.00	350.6
4544.00	149.13	149.62	0	12.60	0	700.00	0	0	0	338.00	350.6
4544.00	149.13	149.62	149.13	12.60	0	700.00	0	50.00	319.30	338.00	350.6
4594.00	149.72	149.73	0	328.24	257.03	307.08	135.89	0	0	338.00	362.0
4594.00	149.64	149.73	149.72	50.00	58.90	581.25	59.95	50.00	325.00	338.00	362.0
4994.00	149.76	149.77	0	358.89	351.14	151.48	197.38	0	0	200.00	219.0
4994.00	149.86	149.96	149.76	50.00	98.32	509.04	92.64	50.00	184.50	200.00	219.0

POSSIBLE ERROR SECNO= 820.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO#	3200,00 PROFILE#	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR SECNO#	1985,00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO#	3250,00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO#	3300,00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO#	3300,00 PROFILE#	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR SECNO#	3300,00 PROFILE#	2 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO#	3300,00 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 COEFFICIENT. 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. STATEMENTS 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 A

(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 (FIS 448-2105 OR 448-3292).

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X1	2435.000	-0	-0	-0	60.000	60.000	60.000	-0	-0	-0
X2	-0	-0	1.000	127.700	127.800	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	127.800	127.800	-0
BT	10.000	200.000	129.900	129.900	250.000	128.900	128.600	300.000	128.000	127.100
BT	350.000	127.800	127.200	393.000	128.200	127.700	489.000	128.300	127.700	450.000
BT	128.900	128.900	500.000	129.500	129.500	550.000	130.500	129.900	600.000	132.300
BT	129.500	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.050	-0	-0	-0	-0	-0	-0	-0

X1	2450.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
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X1	3250.000	19.000	490.000	510.000	800.000	800.000	800.000	-0	-0	-0
GR	150.400	0	141.800	50.000	139.500	100.000	139.100	150.000	137.200	200.000
GR	136.200	250.000	135.900	300.000	133.800	350.000	131.900	400.000	133.100	450.000
GR	133.700	490.000	128.500	492.000	129.700	500.000	133.000	510.000	133.400	550.000
GR	134.300	600.000	138.800	650.000	145.600	700.000	150.500	740.000	-0	-0
NC	.100	.100	.030	-0	-0	-0	-0	-0	-0	-0
NC	.050	.050	.030	-0	-0	-0	-0	-0	-0	-0
QT	7.000	700.000	700.000	700.000	700.000	240.000	510.000	1340.000	-0	-0
ET	-0	-0	4000.200	-0	-0	-0	-0	-0	-0	-0

X1	3300.000	15.000	400.000	650.000	50.000	50.000	50.000	-0	-0	-0
GR	150.900	0	145.600	50.000	144.200	100.000	143.500	150.000	142.600	200.000
GR	142.600	250.000	142.500	300.000	142.600	350.000	142.600	400.000	142.100	450.000
GR	142.000	550.000	141.700	600.000	142.200	650.000	147.300	700.000	153.200	740.000

X1	3350.000	9.000	55.000	380.000	50.000	50.000	50.000	-0	-0	-0
GR	140.000	0	138.000	25.000	136.000	55.000	134.000	100.000	132.000	140.000
GR	130.000	180.000	130.000	330.000	136.000	380.000	140.000	410.000	-0	-0

X1	4020.000	8.000	60.000	260.000	670.000	670.000	670.000	-0	-0	-0
GR	140.000	0	138.000	30.000	136.000	60.000	134.000	120.000	134.000	160.000
GR	136.000	260.000	138.000	325.000	140.000	355.000	-0	-0	-0	-0
NC	.100	.100	.050	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.050	.200	.600	-0	-0	-0	-0	-0
ET	-0	-0	50.200	-0	-0	-0	-0	-0	-0	-0

X1	4440.000	16.000	338.000	362.000	420.000	420.000	420.000	-0	-0	-0
GR	156.700	0	151.400	50.000	149.400	100.000	147.000	150.000	145.700	200.000
GR	144.500	250.000	142.700	300.000	142.000	338.000	137.900	342.000	137.800	398.000
GR	141.700	362.000	144.000	400.000	146.200	450.000	151.900	500.000	160.500	550.000
GR	164.900	577.000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.015	-0	-0	-0	-0	-0	-0	-0

X1	4494.000	16.000	338.000	350.600	50.000	50.000	50.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	142.800	142.800	-0
GR	156.700	0	151.400	50.000	149.400	100.000	147.000	150.000	145.700	200.000
GR	144.500	250.000	142.700	300.000	142.000	338.000	137.300	338.000	137.300	350.600
GR	141.700	350.600	144.000	400.000	146.200	450.000	151.900	500.000	160.500	550.000
GR	164.900	577.000	-0	-0	-0	-0	-0	-0	-0	-0
SU	1.250	2.100	2.500	-0	12.600	4.000	47.500	-0	139.300	137.300

X1	4544.000	-0	-0	-0	-0	-0	-0	-0	2.000	-0
X2	-0	-0	1.000	142.800	159.100	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	159.100	159.100	-0
BT	9.000	50.000	163.200	153.400	150.000	160.800	150.000	250.000	159.300	146.500

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BY	100,000	140,000	190,000	240,000	290,000	340,000	390,000	440,000	490,000	540,000
NC	.100	.100	.050	.0	.0	.0	.0	.0	.0	.0
X1	4594.000	16,000	338.000	362.000	50.000	50.000	50.000	50.000	-0	2.000
GR	196,700	0	151,400	50,000	149,400	100,000	147,000	150,000	145,700	200,000
GR	144,500	250,000	142,700	300,000	142,000	338,000	137,900	342,000	137,800	358,000
GR	141,700	362,000	144,000	400,000	146,200	450,000	151,900	500,000	140,500	550,000
GR	164,900	577,000	-0	.0	.0	.0	.0	.0	.0	.0
X1	4994.000	14,000	200.000	219.000	400.000	400.000	400.000	400.000	-0	-0
GR	150,100	0	147,100	50,000	144,100	70,000	143,900	100,000	142,900	150,000
GR	143,800	200,000	140,400	206,000	139,100	211,000	140,100	215,000	143,900	219,000
GR	144,000	250,000	145,000	300,000	148,400	350,000	153,100	400,000	-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 FLOODWAY STUDY FLOODWAYS  
 T3 DARK BR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	-0	-0	-0	-0	-0	-0	115.000	-0
J2	NPROF	IPLOT	PRFVS	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 420.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EQ	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	XLDBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS=	855.5	955.5	TYPE=	2	TARGET=	100.000
420.00	8.90	115.00	0	114.00	115.09	.09
860.	294.	252.	314.	183.	68.	189.
0	1.60	3.69	1.66	.120	.060	.120
.002835	0	0	0	0	0	1
						0
						106.10
						100.00
						110.70
						110.70
						855.50
						955.50

FLOW DISTRIBUTION

STA#	855.	900.	911.	950.	955.
PER Q#	34.2	29.4	33.3	3.1	
AREA#	183.4	68.4	165.8	23.0	
VEL#	1.6	3.7	1.7	1.2	

\*SECNO 430.000

3470 ENCROACHMENT STATIONS=	855.5	955.5	TYPE=	2	TARGET=	100.000
430.00	8.93	115.03	0	114.00	115.12	.09
860.	294.	252.	314.	185.	69.	190.
.00	1.59	3.66	1.65	.120	.060	.120
.002779	10.	10.	10.	0	0	1
						0
						.055
						106.10
						100.00
						110.70
						110.70
						855.50
						955.50

FLOW DISTRIBUTION.

STA#	855.	900.	911.	950.	955.
PER Q#	34.2	29.3	33.4	3.1	
AREA#	184.7	68.7	166.9	23.1	
VEL#	1.6	3.7	1.7	1.2	