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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,31,52

T1 FAMS BR FAYETTEVILLE NC FID
 T2 10 YR NATURAL
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PARALL CR

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	O	WSEL	FO
	-1.	0.	0.	0.	0.000000	0.00	0.0	0.	116.000	0.000
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNTH	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									
	38.000	1.000	3.000	42.000	41.000	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
JT	7.000	1850.000	1850.000	1850.000	1850.000	780.000	1450.000	3250.000	0.000	0.000
NC	.090	.090	.020	.200	.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	300.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	2100.000	0.000	320.000	620.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	116.000	95.000	114.000	270.000	112.000	310.000	111.000	320.000	101.500	330.000
GR	101.500	600.000	111.000	620.000	120.000	640.000	0.000	0.000	0.000	0.000
X1	2101.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X1	2102.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X1	2105.000	0.000	0.000	0.000	3.000	3.000	3.000	0.000	0.000	0.000
X1	2110.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
X1	2500.000	9.000	230.000	560.000	490.000	490.000	490.000	0.000	0.000	0.000
GR	110.000	70.000	116.000	150.000	114.000	200.000	112.000	220.000	111.000	230.000
GR	102.500	240.000	102.500	540.000	111.000	500.000	120.000	650.000	0.000	0.000
X1	3000.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	1.500	0.000
X1	4000.000	9.000	170.000	380.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	120.000	110.000	111.000	170.000	106.000	180.000	106.000	360.000	111.000	380.000
GR	114.000	420.000	116.000	460.000	118.000	520.000	120.000	550.000	0.000	0.000

Y1	450.000	4.000	170.000	350.000	105.000	125.000	105.000	1.000	1.000	1.000
GR	120.000	80.000	111.000	170.000	100.000	180.000	109.000	340.000	111.000	350.000
GR	120.000	450.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	400.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.150	.150	.000	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	6500.000	29.000	1174.000	1209.000	1290.000	1250.000	1250.000	0.000	0.000	0.000
GR	140.000	0.000	138.000	10.000	136.000	30.000	134.000	100.000	132.000	190.000
GR	130.000	230.000	128.000	280.000	126.000	365.000	126.000	420.000	128.000	480.000
GR	120.000	830.000	126.000	875.000	124.000	710.000	122.000	745.000	120.000	780.000
GR	110.000	850.000	116.000	870.000	114.000	920.000	112.300	1174.000	112.200	1182.000
GR	112.300	1200.000	112.400	1209.000	112.300	1223.000	112.400	1250.000	112.900	1260.000
GR	114.200	1290.000	117.800	1321.000	123.800	1365.000	140.000	1500.000	0.000	0.000

X1	6600.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.000	0.000
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X1	7550.000	40.000	699.000	715.000	950.000	950.000	950.000	0.000	0.000	0.000
GR	146.000	30.000	144.000	175.000	142.000	230.000	140.000	280.000	138.000	305.000
GR	130.000	390.000	126.000	430.000	124.000	440.000	122.000	490.000	119.400	533.000
GR	119.000	550.000	115.700	627.000	115.600	670.000	114.300	699.000	114.000	700.000
GR	112.700	702.000	110.000	706.000	110.200	700.000	110.600	711.000	111.000	712.000
GR	114.100	714.000	114.300	715.000	114.100	736.000	114.700	653.000	114.600	902.000
GR	114.100	966.000	114.600	910.000	114.600	913.000	114.300	997.000	115.600	1029.000
GR	118.000	1086.000	119.000	1191.000	126.900	1237.000	120.000	1240.000	132.000	1280.000
GR	134.000	1310.000	136.000	1340.000	130.000	1360.000	140.000	1390.000	150.000	1445.000

X1	8540.000	20.000	689.000	717.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	150.000	0.000	140.000	120.000	130.000	240.000	120.000	280.000	126.000	340.000
GR	124.000	385.000	122.000	430.000	120.000	475.000	118.000	515.000	115.600	683.000
GR	116.200	689.000	115.000	697.000	115.300	700.000	113.700	703.000	114.700	709.000
GR	114.000	769.000	115.000	716.000	116.200	717.000	117.900	822.000	120.200	911.000
GR	139.600	1009.000	142.000	1070.000	144.000	1080.000	146.000	1105.000	146.000	1210.000
GR	147.500	1365.000	140.000	1435.000	150.000	1445.000	0.000	0.000	0.000	0.000

X1	9650.000	40.000	891.000	920.000	1100.000	1100.000	1100.000	0.000	0.000	0.000
GR	100.000	10.000	140.000	140.000	140.000	170.000	144.000	240.000	140.000	310.000
GR	130.000	325.000	136.000	350.000	134.000	380.000	132.000	420.000	130.000	440.000
GR	120.000	495.000	126.000	555.000	124.000	630.000	122.000	700.000	120.000	765.000
GR	110.300	841.000	117.800	846.000	116.700	846.000	116.900	853.000	117.500	863.000
GR	118.200	891.000	117.600	900.000	116.800	907.000	117.700	915.000	118.400	920.000
GR	118.600	951.000	119.600	961.000	122.600	983.000	129.600	1033.000	135.500	1055.000
GR	135.800	1089.000	138.000	1145.000	140.000	1145.000	142.000	1100.000	144.000	1195.000
GR	150.000	1255.000	152.000	1265.000	156.000	1310.000	158.000	1325.000	160.000	1345.000
ET	0.000	0.000	350.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	10650.000	30.000	600.000	623.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	100.000	0.000	138.000	20.000	136.000	30.000	134.000	50.000	132.000	60.000
GR	150.000	80.000	148.000	85.000	146.000	100.000	144.000	120.000	142.000	140.000
GR	140.000	165.000	138.000	190.000	136.000	215.000	134.000	240.000	132.000	250.000
GR	130.000	275.000	128.000	295.000	126.000	360.000	124.000	420.000	122.000	500.000
GR	120.000	550.000	118.900	582.000	117.600	600.000	117.800	614.000	118.100	619.000
GR	110.600	622.000	120.100	623.000	117.700	641.000	119.400	657.000	122.000	690.000
GR	123.300	712.000	124.600	740.000	122.200	841.000	134.100	878.000	150.000	910.000
GR	152.000	940.000	154.000	1010.000	160.000	1020.000	0.000	0.000	0.000	0.000

X1	11950.000	34.000	800.000	829.000	1300.000	1300.000	1300.000	0.000	0.000	0.000
GR	144.000	30.000	142.000	60.000	140.000	90.000	138.000	120.000	136.000	160.000

GR	124.000	200.000	122.000	230.000	120.000	200.000	120.000	240.000	120.000	200.000
GR	124.000	210.000	122.100	225.000	121.000	200.000	120.700	219.000	121.900	229.000
GR	122.000	842.000	121.000	620.000	121.200	883.000	122.000	844.000	122.200	725.000
GR	122.300	943.000	120.900	948.000	120.800	957.000	122.400	965.000	122.600	1005.000
GR	122.700	1037.000	126.300	1083.000	129.200	1151.000	130.500	1241.000	132.000	1280.000
GR	134.000	1305.000	136.000	1380.000	138.000	1430.000	140.000	1500.000	0.000	0.000

X1	13250.000	40.000	500.000	511.000	1300.000	1300.000	1300.000	0.000	0.000	0.000
GR	158.000	10.000	158.000	35.000	154.000	89.000	152.000	85.000	148.000	130.000
GR	146.000	150.000	142.000	195.000	140.000	215.000	138.000	250.000	136.000	270.000
GR	134.000	290.000	132.000	305.000	130.000	315.000	124.400	448.000	124.400	474.000
GR	124.900	497.000	124.600	500.000	123.800	504.000	124.600	511.000	124.500	546.000
GR	124.100	561.000	123.800	571.000	123.600	578.000	123.900	580.000	124.000	588.000
GR	124.400	593.000	125.300	604.000	129.200	620.000	133.300	646.000	135.600	682.000
GR	142.000	710.000	144.000	755.000	144.000	780.000	144.000	1335.000	146.000	1340.000
GR	148.000	1355.000	150.000	1365.000	152.000	1390.000	152.000	1430.000	160.000	1460.000

X1	14320.000	21.000	440.000	494.000	1070.000	1070.000	1070.000	0.000	0.000	0.000
GR	160.000	110.000	149.600	194.000	141.000	300.000	137.000	364.000	133.100	430.000
GR	130.100	440.000	127.800	443.000	126.300	449.000	126.400	450.000	125.100	451.000
GR	123.400	452.000	123.200	455.000	123.200	457.000	125.000	458.000	126.400	459.000
GR	124.100	494.000	128.700	563.000	133.400	689.000	137.700	708.000	130.000	900.000
GR	160.000	940.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	14330.000	26.000	450.000	480.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	157.400	0.000	156.000	50.000	154.400	100.000	152.900	150.000	151.300	200.000
GR	149.500	250.000	147.700	300.000	146.300	320.000	149.100	400.000	144.300	450.000
GR	124.700	450.000	124.700	476.000	144.100	476.000	143.600	480.000	143.400	550.000
GR	144.000	600.000	144.700	650.000	145.300	700.000	146.500	750.000	147.700	800.000
GR	149.200	850.000	151.000	900.000	153.000	950.000	154.800	1000.000	156.800	1050.000
GR	158.600	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	2.040	2.500	0.000	26.000	2.000	178.000	0.000	0.000	0.000

X1	14380.000	26.000	450.000	480.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	132.100	143.400	0.000	0.000	0.000	0.000	0.000
BT	10.000	0.000	157.400	132.100	150.000	152.900	132.100	200.000	151.300	132.100
BT	350.000	146.300	132.100	450.000	144.300	132.100	550.000	143.400	132.100	700.000
BT	145.300	132.100	800.000	147.700	132.100	950.000	153.000	132.100	1100.000	158.600
BT	132.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	157.400	0.000	156.000	50.000	154.400	100.000	152.900	150.000	151.300	200.000
GR	149.500	250.000	147.700	300.000	146.300	350.000	145.100	400.000	144.300	450.000
GR	124.700	450.000	124.700	476.000	144.100	476.000	143.600	480.000	143.400	550.000
GR	144.000	600.000	144.700	650.000	145.300	700.000	146.500	750.000	147.700	800.000
GR	149.200	850.000	151.000	900.000	153.000	950.000	154.800	1000.000	156.800	1050.000
GR	158.600	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	14445.000	20.000	432.000	484.000	65.000	65.000	65.000	0.000	0.000	0.000
GR	160.000	50.000	150.600	206.000	145.900	254.000	141.800	327.000	136.600	432.000
GR	126.000	450.000	125.700	452.000	125.200	459.000	125.500	463.000	125.400	468.000
GR	125.800	479.000	129.600	484.000	130.200	570.000	131.500	658.000	129.800	668.000
GR	140.600	690.000	142.000	752.000	140.900	778.000	155.200	899.000	160.000	1010.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WASHINGTON, D.C. 20535

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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

LITTLE CROSS CR ABOVE G

SUMMARY PRINTOUT

SECNO	CRSEL	EG	ELMIN	ELLC
2100.000	116.00	116.00	101.50	0.00
2100.000	117.00	117.00	101.50	0.00
2100.000	117.50	117.50	101.50	0.00
2100.000	118.00	118.01	101.50	0.00
2101.000	116.00	116.00	101.50	0.00
2101.000	117.00	117.00	101.50	0.00
2101.000	117.50	117.50	101.50	0.00
2101.000	118.00	118.01	101.50	0.00
2102.000	116.00	116.00	101.50	0.00
2102.000	117.00	117.00	101.50	0.00
2102.000	117.50	117.50	101.50	0.00
2102.000	118.00	118.01	101.50	0.00
2105.000	116.00	116.00	101.50	0.00
2105.000	117.00	117.00	101.50	0.00
2105.000	117.50	117.50	101.50	0.00
2105.000	118.00	118.01	101.50	0.00
2110.000	116.00	116.00	101.50	0.00
2110.000	117.00	117.00	101.50	0.00
2110.000	117.50	117.50	101.50	0.00
2110.000	118.00	118.01	101.50	0.00
2500.000	116.00	116.00	102.50	0.00
2500.000	117.00	117.00	102.50	0.00
2500.000	117.50	117.50	102.50	0.00
2500.000	118.00	118.01	102.50	0.00
3000.000	116.00	116.00	103.80	0.00
3000.000	117.00	117.00	103.80	0.00
3000.000	117.50	117.50	103.80	0.00
3000.000	118.00	118.01	103.80	0.00
4000.000	116.00	116.00	106.00	0.00
4000.000	117.00	117.01	106.00	0.00
4000.000	117.50	117.51	106.00	0.00
4000.000	118.00	118.02	106.00	0.00

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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SECNO	CWSEL	GG	ELMIN	ELLC
5250.000	116.00	116.01	109.00	0.00
5250.000	117.00	117.02	109.00	0.00
5250.000	117.50	117.52	109.00	0.00
5250.000	118.00	118.06	109.00	0.00
6500.000	116.02	116.03	112.20	0.00
6500.000	117.05	117.06	112.20	0.00
6500.000	117.56	117.56	112.20	0.00
6500.000	118.16	118.21	112.20	0.00
6600.000	116.10	116.10	112.20	0.00
6600.000	117.15	117.16	112.20	0.00
6600.000	117.67	117.69	112.20	0.00
6600.000	118.36	118.42	112.20	0.00
7550.000	117.02	117.04	110.20	0.00
7550.000	118.23	118.25	110.20	0.00
7550.000	118.79	118.81	110.20	0.00
7550.000	120.00	120.09	110.20	0.00
8550.000	118.95	118.99	113.70	0.00
8550.000	120.10	120.14	113.70	0.00
8550.000	120.64	120.69	113.70	0.00
8550.000	122.10	122.17	113.70	0.00
9650.000	121.62	121.65	116.70	0.00
9650.000	122.89	122.93	116.70	0.00
9650.000	123.47	123.52	116.70	0.00
9650.000	125.07	125.15	116.70	0.00
10650.000	123.48	123.51	117.80	0.00
10650.000	124.89	124.93	117.80	0.00
10650.000	125.51	125.55	117.80	0.00
10650.000	127.20	127.26	117.80	0.00
11950.000	125.19	125.20	120.70	0.00
11950.000	126.54	126.56	120.70	0.00
11950.000	127.14	127.16	120.70	0.00
11950.000	128.79	128.81	120.70	0.00
13250.000	127.49	127.52	123.60	0.00
13250.000	128.74	128.78	123.60	0.00
13250.000	129.31	129.36	123.60	0.00
13250.000	130.87	130.95	123.60	0.00
14320.000	131.15	131.22	123.10	0.00
14320.000	132.55	132.66	123.10	0.00
14320.000	133.20	133.32	123.10	0.00
14320.000	134.90	135.05	123.10	0.00
14330.000	131.05	131.38	124.70	0.00
14330.000	132.16	133.03	124.70	0.00
14330.000	132.59	133.85	124.70	0.00
14330.000	132.93	136.51	124.70	0.00

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SECNO CHSEL EG ELMIN ELLC

14300.000	131.12	131.44	124.70	132.10
14300.000	133.00	134.26	124.70	132.10
14300.000	135.31	136.01	124.70	132.10
14300.000	142.70	143.49	124.70	132.10

14449.000	131.68	131.77	125.20	0.00
14449.000	134.90	134.54	125.20	0.00
14449.000	136.23	136.24	125.20	0.00
14449.000	143.61	143.63	125.20	0.00

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LITTLE CROSS CR ABOVE G

SUMMARY PRINTOUT

SECTO	CHSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
2100.000	116.00	3.80	755.86	.33	.01	.18	.01
2100.000	117.00	13.27	1435.80	.92	.02	.32	.02
2100.000	117.50	21.13	1827.49	1.37	.03	.39	.03
2100.000	118.00	44.68	3282.53	2.78	.06	.67	.05
2101.000	116.00	3.80	755.86	.33	.01	.18	.01
2101.000	117.00	13.27	1435.80	.92	.02	.32	.02
2101.000	117.50	21.13	1827.49	1.37	.03	.39	.03
2101.000	118.00	44.68	3282.53	2.78	.06	.67	.05
2102.000	116.00	3.80	755.86	.33	.01	.18	.01
2102.000	117.00	13.27	1435.80	.92	.02	.32	.02
2102.000	117.50	21.13	1827.49	1.37	.03	.39	.03
2102.000	118.00	44.68	3282.53	2.78	.06	.67	.05
2105.000	116.00	3.80	755.86	.33	.01	.18	.01
2105.000	117.00	13.27	1435.80	.92	.02	.32	.02
2105.000	117.50	21.13	1827.49	1.37	.03	.39	.03
2105.000	118.00	44.68	3282.53	2.78	.06	.67	.05
2110.000	116.00	3.80	755.86	.33	.01	.18	.01
2110.000	117.00	13.27	1435.80	.92	.02	.32	.02
2110.000	117.50	21.13	1827.49	1.37	.03	.39	.03
2110.000	118.00	44.68	3282.53	2.78	.06	.67	.05
2900.000	116.00	2.09	796.29	1.62	.01	.17	.01
2900.000	117.00	6.45	1439.12	4.43	.03	.31	.02
2900.000	117.50	10.12	1833.26	6.59	.03	.38	.03
2900.000	118.00	21.52	3215.16	13.32	.05	.64	.05
3000.000	116.00	1.01	758.12	.86	.01	.19	.01
3000.000	117.00	3.44	1443.84	2.72	.03	.34	.02
3000.000	117.50	5.65	1840.08	4.26	.03	.42	.03
3000.000	118.00	12.65	3228.36	8.99	.06	.71	.06
4000.000	116.00	2.79	750.59	6.62	.03	.37	.04
4000.000	117.00	7.29	1424.27	18.43	.06	.64	.07
4000.000	117.50	10.64	1811.75	27.61	.08	.77	.08
4000.000	118.00	21.12	3172.72	56.16	.13	1.30	.14
5250.000	116.00	8.44	742.17	9.39	.07	.60	.07
5250.000	117.00	20.76	1406.16	23.08	.12	.99	.12
5250.000	117.50	29.49	1787.71	32.79	.14	1.18	.14
5250.000	118.00	97.10	3129.30	63.59	.23	1.99	.23
6500.000	116.02	423.83	165.02	171.16	.55	1.26	.59
6500.000	117.05	843.41	285.73	320.86	.77	1.71	.81
6500.000	117.56	1090.76	351.74	407.50	.87	1.90	.90
6500.000	118.16	1938.67	596.28	715.05	1.33	2.89	1.38
6600.000	116.10	425.75	163.43	170.81	.53	1.22	.58
6600.000	117.15	845.93	283.56	320.51	.75	1.66	.79
6600.000	117.67	1093.47	349.32	407.20	.84	1.85	.88
6600.000	118.38	1945.56	589.27	715.17	1.27	2.76	1.31

SECNO	CWSEL	QLOB	QCH	ORQB	VLQH	VCH	VRQH
7550.000	117.02	68.57	149.59	541.84	.49	1.85	.67
7550.000	118.23	184.24	210.91	1094.85	.66	2.10	.85
7550.000	118.79	297.98	241.84	1390.26	.72	2.21	.91
7550.000	120.08	534.01	346.18	2369.81	.95	2.67	1.13
8550.000	118.99	343.67	251.78	184.55	.88	2.37	.81
8550.000	120.10	781.31	384.95	383.74	1.13	2.79	1.07
8550.000	120.64	913.75	455.51	480.73	1.23	2.97	1.18
8550.000	122.10	1669.26	687.15	893.59	1.52	3.54	1.47
9650.000	121.62	389.72	250.11	120.66	.91	2.13	.88
9650.000	122.89	787.62	417.20	245.18	1.16	2.71	1.15
9650.000	123.47	1025.87	504.71	319.42	1.26	2.99	1.26
9650.000	125.07	1893.85	778.56	577.59	1.52	3.58	1.55
10650.000	123.48	317.29	239.62	203.08	.86	2.14	.86
10650.000	124.89	649.66	373.89	426.45	1.03	2.59	.98
10650.000	125.51	843.63	438.56	568.42	1.10	2.76	1.05
10650.000	127.20	1537.99	635.47	1078.53	1.29	3.22	1.25
11950.000	125.19	119.26	173.38	467.36	.45	1.50	.67
11950.000	126.54	352.64	269.87	827.49	.55	1.74	.80
11950.000	127.14	515.64	317.20	1017.16	.60	1.84	.85
11950.000	128.79	1158.45	461.10	1630.45	.72	2.10	.97
13250.000	127.49	281.44	89.56	388.98	1.06	2.48	1.29
13250.000	128.74	585.50	197.89	786.61	1.33	3.17	1.63
13250.000	129.31	770.61	195.18	884.21	1.44	3.48	1.78
13250.000	130.87	1475.47	311.63	1462.90	1.80	4.29	2.17
14320.000	131.15	.65	556.50	280.89	.35	2.52	.65
14320.000	132.55	6.35	927.92	515.73	.63	3.12	1.14
14320.000	133.20	12.13	1122.72	715.16	.76	3.38	1.26
14320.000	134.90	55.87	1788.97	1483.18	.93	4.04	1.64
14330.000	131.05	0.00	780.00	0.00	0.00	4.61	0.00
14330.000	132.18	0.00	1450.00	0.00	0.00	7.47	0.00
14330.000	132.59	0.00	1850.00	0.00	0.00	9.02	0.00
14330.000	132.95	0.00	3250.00	0.00	0.00	15.18	0.00
14380.000	131.12	0.00	780.00	0.00	0.00	4.55	0.00
14380.000	133.66	0.00	1450.00	0.00	0.00	6.22	0.00
14380.000	135.31	0.00	1850.00	0.00	0.00	6.70	0.00
14380.000	132.70	0.00	3250.00	0.00	0.00	6.94	0.00
14445.000	131.68	0.00	808.08	151.92	0.00	2.69	.63
14445.000	134.50	0.00	793.76	656.24	0.00	2.23	.84
14445.000	136.23	0.00	888.94	961.66	0.00	2.01	.86
14445.000	143.61	163.76	1195.28	1890.96	.33	1.45	.66

ORIGINAL FROM BUREAU OF THE ARMY
 OFFICE OF THE ADJUTANT GENERAL
 WASHINGTON, D. C. 20315

LITTLE CROSS CR ABOVE G

SUMMARY PRINTOUT TABLE 190

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CHSEL	CRWS	EG	10K*5	VCH	AREA
2100.000	0.00	0.00	0.00	101.50	760.00	116.00	0.00	116.00	.00	.18	4575.
2100.000	0.00	0.00	0.00	101.50	1450.00	117.00	0.00	117.00	.01	.32	5112.
2100.000	0.00	0.00	0.00	101.50	1850.00	117.50	0.00	117.50	.01	.39	5381.
2100.000	0.00	0.00	0.00	101.50	3250.00	118.00	0.00	118.01	.02	.67	5651.
2101.000	1.00	0.00	0.00	101.50	760.00	116.00	0.00	116.00	.00	.18	4575.
2101.000	1.00	0.00	0.00	101.50	1450.00	117.00	0.00	117.00	.01	.32	5112.
2101.000	1.00	0.00	0.00	101.50	1850.00	117.50	0.00	117.50	.01	.39	5381.
2101.000	1.00	0.00	0.00	101.50	3250.00	118.00	0.00	118.01	.02	.67	5651.
2102.000	1.00	0.00	0.00	101.50	760.00	116.00	0.00	116.00	.00	.18	4575.
2102.000	1.00	0.00	0.00	101.50	1450.00	117.00	0.00	117.00	.01	.32	5112.
2102.000	1.00	0.00	0.00	101.50	1850.00	117.50	0.00	117.50	.01	.39	5381.
2102.000	1.00	0.00	0.00	101.50	3250.00	118.00	0.00	118.01	.02	.67	5651.
2103.000	3.00	0.00	0.00	101.50	760.00	116.00	0.00	116.00	.00	.18	4575.
2103.000	3.00	0.00	0.00	101.50	1450.00	117.00	0.00	117.00	.01	.32	5112.
2103.000	3.00	0.00	0.00	101.50	1850.00	117.50	0.00	117.50	.01	.39	5381.
2103.000	3.00	0.00	0.00	101.50	3250.00	118.00	0.00	118.01	.02	.67	5651.
2110.000	5.00	0.00	0.00	101.50	760.00	116.00	0.00	116.00	.00	.18	4575.
2110.000	5.00	0.00	0.00	101.50	1450.00	117.00	0.00	117.00	.01	.32	5112.
2110.000	5.00	0.00	0.00	101.50	1850.00	117.50	0.00	117.50	.01	.39	5381.
2110.000	5.00	0.00	0.00	101.50	3250.00	118.00	0.00	118.01	.02	.67	5651.
2500.000	490.00	0.00	0.00	102.50	760.00	116.00	0.00	116.00	.00	.17	4607.
2500.000	490.00	0.00	0.00	102.50	1450.00	117.00	0.00	117.00	.01	.31	5092.
2500.000	490.00	0.00	0.00	102.50	1850.00	117.50	0.00	117.50	.01	.38	5355.
2500.000	490.00	0.00	0.00	102.50	3250.00	118.00	0.00	118.01	.02	.64	5628.
3000.000	500.00	0.00	0.00	103.00	760.00	116.00	0.00	116.00	.00	.19	4039.
3000.000	500.00	0.00	0.00	103.00	1450.00	117.00	0.00	117.00	.01	.34	4471.
3000.000	500.00	0.00	0.00	103.00	1850.00	117.50	0.00	117.50	.01	.42	4760.
3000.000	500.00	0.00	0.00	103.00	3250.00	118.00	0.00	118.01	.03	.71	4943.
4000.000	1000.00	0.00	0.00	106.00	760.00	116.00	0.00	116.00	.01	.37	2288.
4000.000	1000.00	0.00	0.00	106.00	1450.00	117.00	0.00	117.01	.03	.64	2630.
4000.000	1000.00	0.00	0.00	106.00	1850.00	117.50	0.00	117.51	.04	.77	2815.
4000.000	1000.00	0.00	0.00	106.00	3250.00	118.00	0.00	118.02	.12	1.30	3010.
5250.000	1250.00	0.00	0.00	109.00	760.00	116.00	0.00	116.01	.05	.60	1504.
5250.000	1250.00	0.00	0.00	109.00	1450.00	117.00	0.00	117.02	.11	.99	1800.
5250.000	1250.00	0.00	0.00	109.00	1850.00	117.50	0.00	117.52	.15	1.18	1956.
5250.000	1250.00	0.00	0.00	109.00	3250.00	118.00	0.00	118.03	.38	1.95	2118.
6500.000	1250.00	0.00	0.00	112.20	760.00	116.02	0.00	116.03	7.96	1.26	1196.
6500.000	1250.00	0.00	0.00	112.20	1450.00	117.05	0.00	117.06	10.97	1.71	1659.
6500.000	1250.00	0.00	0.00	112.20	1850.00	117.56	0.00	117.58	11.38	1.90	1897.
6500.000	1250.00	0.00	0.00	112.20	3250.00	118.16	0.00	118.21	22.85	2.89	2179.
6600.000	100.00	0.00	0.00	112.20	760.00	116.10	0.00	116.10	7.25	1.22	1233.
6600.000	100.00	0.00	0.00	112.20	1450.00	117.15	0.00	117.16	9.70	1.66	1706.
6600.000	100.00	0.00	0.00	112.20	1850.00	117.67	0.00	117.69	10.47	1.85	1948.
6600.000	100.00	0.00	0.00	112.20	3250.00	118.38	0.00	118.42	19.77	2.76	2284.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
7550.000	950.00	0.00	0.00	110.20	760.00	117.02	0.00	117.04	13.92	1.85	1028.
7550.000	950.00	0.00	0.00	110.20	1450.00	118.23	0.00	118.25	13.55	2.10	1628.
7550.000	950.00	0.00	0.00	110.20	1850.00	118.79	0.00	118.81	13.38	2.21	1953.
7550.000	950.00	0.00	0.00	110.20	3250.00	120.06	0.00	120.09	15.57	2.67	2781.
8550.000	1000.00	0.00	0.00	113.70	760.00	118.95	0.00	118.99	28.92	2.37	698.
8550.000	1000.00	0.00	0.00	113.70	1450.00	120.18	0.00	120.14	28.05	2.79	1100.
8550.000	1000.00	0.00	0.00	113.70	1850.00	120.64	0.00	120.64	27.80	2.97	1303.
8550.000	1000.00	0.00	0.00	113.70	3250.00	122.10	0.00	122.17	28.70	3.54	1900.
9850.000	1100.00	0.00	0.00	118.70	760.00	121.62	0.00	121.65	20.61	2.15	680.
9850.000	1100.00	0.00	0.00	118.70	1450.00	122.89	0.00	122.93	23.02	2.71	1049.
9850.000	1100.00	0.00	0.00	118.70	1850.00	123.47	0.00	123.52	23.89	2.95	1249.
9850.000	1100.00	0.00	0.00	118.70	3250.00	125.07	0.00	125.15	25.56	3.58	1839.
10850.000	1000.00	0.00	0.00	117.80	760.00	123.48	0.00	123.51	16.73	2.14	719.
10850.000	1000.00	0.00	0.00	117.80	1450.00	124.89	0.00	124.93	17.39	2.59	1210.
10850.000	1000.00	0.00	0.00	117.80	1850.00	125.51	0.00	125.55	17.44	2.76	1488.
10850.000	1000.00	0.00	0.00	117.80	3250.00	127.20	0.00	127.26	17.63	3.22	2248.
11950.000	1300.00	0.00	0.00	120.70	760.00	125.19	0.00	125.20	10.38	1.50	1071.
11950.000	1300.00	0.00	0.00	120.70	1450.00	126.54	0.00	126.58	9.45	1.74	1832.
11950.000	1300.00	0.00	0.00	120.70	1850.00	127.14	0.00	127.16	9.18	1.84	2228.
11950.000	1300.00	0.00	0.00	120.70	3250.00	128.79	0.00	128.81	8.57	2.10	3492.
13250.000	1300.00	0.00	0.00	123.60	760.00	127.49	0.00	127.52	37.29	2.48	604.
13250.000	1300.00	0.00	0.00	123.60	1450.00	128.74	0.00	128.78	39.27	3.17	925.
13250.000	1300.00	0.00	0.00	123.60	1850.00	129.31	0.00	129.36	40.44	3.48	1085.
13250.000	1300.00	0.00	0.00	123.60	3250.00	130.87	0.00	130.95	42.20	4.25	1567.
14320.000	1070.00	0.00	0.00	123.10	760.00	131.19	0.00	131.22	31.94	2.52	458.
14320.000	1070.00	0.00	0.00	123.10	1450.00	132.55	0.00	132.66	33.07	3.12	757.
14320.000	1070.00	0.00	0.00	123.10	1850.00	133.28	0.00	133.32	33.48	3.38	914.
14320.000	1070.00	0.00	0.00	123.10	3250.00	134.90	0.00	135.05	34.36	4.04	1386.
14330.000	10.00	0.00	0.00	124.70	760.00	131.05	0.00	131.38	88.91	4.61	165.
14330.000	10.00	0.00	0.00	124.70	1450.00	132.16	0.00	133.03	203.12	7.47	194.
14330.000	10.00	0.00	0.00	124.70	1850.00	132.59	0.00	133.85	282.14	9.02	205.
14330.000	10.00	0.00	0.00	124.70	3250.00	132.93	0.00	136.51	772.22	15.18	214.
14380.000	50.00	143.40	132.10	124.70	760.00	131.12	0.00	131.44	85.96	4.55	166.
14380.000	50.00	143.40	132.10	124.70	1450.00	133.66	0.00	134.26	121.12	6.22	233.
14380.000	50.00	143.40	132.10	124.70	1850.00	133.31	0.00	136.01	123.75	6.70	275.
14380.000	50.00	143.40	132.10	124.70	3250.00	142.70	0.00	143.45	94.37	6.94	468.
14445.000	65.00	0.00	0.00	125.20	760.00	131.68	0.00	131.77	25.51	2.69	466.
14445.000	65.00	0.00	0.00	125.20	1450.00	134.50	0.00	134.54	11.15	2.23	1132.
14445.000	65.00	0.00	0.00	125.20	1850.00	136.23	0.00	136.26	7.37	2.01	1557.
14445.000	65.00	0.00	0.00	125.20	3250.00	143.61	0.00	143.63	1.69	1.45	4165.

PRINTED ON 11/15/68 BY J. W. ...
 ...
 ...

LITTLE CROSS CR ABOVE G

SUMMARY PRINTOUT TABLE 150

SEGRD 0 CHSEL DTFWSP DTFWSX DTFKMS TOPMID XLCH

2100.000	760.00	116.00	0.00	0.00	0.00	536.11	0.00
2100.000	1450.00	117.00	0.00	0.00	0.00	538.33	0.00
2100.000	1850.00	117.50	0.00	0.00	0.00	539.44	0.00
2100.000	3250.00	118.00	0.50	0.00	0.00	540.56	0.00
2101.000	760.00	116.00	0.00	0.00	0.00	536.11	1.00
2101.000	1450.00	117.00	0.00	0.00	0.00	538.33	1.00
2101.000	1850.00	117.50	0.00	0.00	0.00	539.44	1.00
2101.000	3250.00	118.00	0.50	0.00	0.00	540.56	1.00
2102.000	760.00	116.00	0.00	0.00	0.00	536.11	1.00
2102.000	1450.00	117.00	0.00	0.00	0.00	538.33	1.00
2102.000	1850.00	117.50	0.00	0.00	0.00	539.44	1.00
2102.000	3250.00	118.00	0.50	0.00	0.00	540.56	1.00
2105.000	760.00	116.00	0.00	0.00	0.00	536.11	3.00
2105.000	1450.00	117.00	0.00	0.00	0.00	538.33	3.00
2105.000	1850.00	117.50	0.00	0.00	0.00	539.44	3.00
2105.000	3250.00	118.00	0.50	0.00	0.00	540.56	3.00
2110.000	760.00	116.00	0.00	0.00	0.00	536.11	5.00
2110.000	1450.00	117.00	0.00	0.00	0.00	538.33	5.00
2110.000	1850.00	117.50	0.00	0.00	0.00	539.44	5.00
2110.000	3250.00	118.00	0.50	0.00	0.00	540.56	5.00
2500.000	760.00	116.00	0.00	0.00	0.00	460.00	400.00
2500.000	1450.00	117.00	0.00	0.00	0.00	461.01	400.00
2500.000	1850.00	117.50	0.00	0.00	0.00	462.02	400.00
2500.000	3250.00	118.00	0.50	0.00	0.00	463.03	400.00
2900.000	760.00	116.00	0.00	0.00	0.00	414.51	500.00
2900.000	1450.00	117.00	0.00	0.00	0.00	415.52	500.00
2900.000	1850.00	117.50	0.00	0.00	0.00	416.53	500.00
2900.000	3250.00	118.00	0.50	0.00	0.00	417.54	500.00
3000.000	760.00	116.00	0.00	0.00	0.00	414.51	500.00
3000.000	1450.00	117.00	0.00	0.00	0.00	415.52	500.00
3000.000	1850.00	117.50	0.00	0.00	0.00	416.53	500.00
3000.000	3250.00	118.00	0.50	0.00	0.00	417.54	500.00
4000.000	760.00	116.00	0.00	0.00	0.00	323.33	1000.00
4000.000	1450.00	117.00	0.00	0.00	0.00	324.34	1000.00
4000.000	1850.00	117.50	0.00	0.00	0.00	325.35	1000.00
4000.000	3250.00	118.00	0.50	0.00	0.00	326.36	1000.00
4800.000	760.00	116.00	0.00	0.00	0.00	285.57	1250.00
4800.000	1450.00	117.00	0.00	0.00	0.00	286.58	1250.00
4800.000	1850.00	117.50	0.00	0.00	0.00	287.59	1250.00
4800.000	3250.00	118.00	0.50	0.00	0.00	288.60	1250.00
5250.000	760.00	116.00	0.00	0.00	0.00	285.57	1250.00
5250.000	1450.00	117.00	0.00	0.00	0.00	286.58	1250.00
5250.000	1850.00	117.50	0.00	0.00	0.00	287.59	1250.00
5250.000	3250.00	118.00	0.50	0.00	0.00	288.60	1250.00
5500.000	760.00	116.02	0.00	0.00	0.02	439.70	1250.00
5500.000	1450.00	117.05	0.00	0.00	0.05	440.71	1250.00
5500.000	1850.00	117.56	0.00	0.00	0.06	441.72	1250.00
5500.000	3250.00	118.16	0.50	0.00	0.16	442.73	1250.00
6000.000	760.00	116.10	0.00	0.00	0.08	441.08	100.00
6000.000	1450.00	117.15	0.00	0.00	0.10	442.09	100.00
6000.000	1850.00	117.67	0.00	0.00	0.11	443.10	100.00
6000.000	3250.00	118.38	0.50	0.00	0.22	444.11	100.00

PETERSON COPY SERVICE, INC.

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
7550.000	760.00	117.02	0.00	.93	0.00	466.53	950.00
7550.000	1450.00	118.23	0.00	1.08	0.00	541.91	950.00
7550.000	1850.00	118.79	0.00	1.12	0.00	614.24	950.00
7550.000	3250.00	120.06	1.27	1.68	0.00	674.95	950.00
8550.000	760.00	118.95	0.00	1.93	0.00	335.04	1000.00
8550.000	1450.00	120.18	0.00	1.87	0.00	368.07	1000.00
8550.000	1850.00	120.64	0.00	1.85	0.00	384.85	1000.00
8550.000	3250.00	122.10	1.46	2.04	0.00	430.46	1000.00
9650.000	760.00	121.62	0.00	2.67	0.00	263.53	1100.00
9650.000	1450.00	122.89	0.00	2.79	0.00	316.47	1100.00
9650.000	1850.00	123.47	0.00	2.83	0.00	340.80	1100.00
9650.000	3250.00	125.07	1.60	2.97	0.00	410.80	1100.00
10650.000	760.00	123.48	0.00	1.85	0.00	280.77	1000.00
10650.000	1450.00	124.89	0.00	2.00	0.00	399.55	1000.00
10650.000	1850.00	125.51	0.00	2.04	0.00	425.70	1000.00
10650.000	3250.00	127.20	1.69	2.13	0.00	497.71	1000.00
11950.000	760.00	125.19	0.00	1.71	0.00	481.19	1300.00
11950.000	1450.00	126.54	0.00	1.66	0.00	630.93	1300.00
11950.000	1850.00	127.14	0.00	1.63	0.00	691.45	1300.00
11950.000	3250.00	128.79	1.65	1.58	0.00	829.96	1300.00
13250.000	760.00	127.49	0.00	2.30	0.00	238.04	1300.00
13250.000	1450.00	128.74	0.00	2.19	0.00	273.04	1300.00
13250.000	1850.00	129.31	0.00	2.16	0.00	289.15	1300.00
13250.000	3250.00	130.87	1.56	2.08	0.00	319.93	1300.00
14320.000	760.00	131.15	0.00	3.66	0.00	192.19	1070.00
14320.000	1450.00	132.55	0.00	3.82	0.00	234.44	1070.00
14320.000	1850.00	133.20	0.00	3.89	0.00	255.11	1070.00
14320.000	3250.00	134.90	1.70	4.03	0.00	295.98	1070.00
14330.000	760.00	131.05	0.00	-.10	0.00	26.00	10.00
14330.000	1450.00	132.16	0.00	-.39	0.00	26.00	10.00
14330.000	1850.00	132.59	0.00	-.61	0.00	26.00	10.00
14330.000	3250.00	132.93	.35	-1.96	0.00	26.00	10.00
14380.000	760.00	131.12	0.00	.07	0.00	26.00	50.00
14380.000	1450.00	133.66	0.00	1.50	0.00	26.00	50.00
14380.000	1850.00	135.31	0.00	2.72	0.00	26.00	50.00
14380.000	3250.00	142.70	7.34	9.76	0.00	26.00	50.00
14445.000	760.00	131.68	0.00	.55	0.00	231.48	65.00
14445.000	1450.00	134.50	0.00	.83	0.00	242.00	65.00
14445.000	1850.00	136.23	0.00	.92	0.00	248.40	65.00
14445.000	3250.00	143.61	7.35	.91	0.00	506.19	65.00

SUMMARY OF ERRORS

CAUTION SECNO=14380.000 PROFILE= 4 HYDRAULIC JUMP D.S.

FLOOD INSURANCE ZONE DATA FOR LITTLE CROSS CR ABOVE G

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.20'
2100.000	0.	-1.5	-0.5	.5
2101.000	1.	-1.5	-0.5	.5
2102.000	2.	-1.5	-0.5	.5
2105.000	5.	-1.5	-0.5	.5
2110.000	10.	-1.5	-0.5	.5
2500.000	500.	-1.5	-0.5	.5
3000.000	1000.	-1.5	-0.5	.5
4000.000	2000.	-1.5	-0.5	.5
5250.000	3250.	-1.5	-0.5	.5
6500.000	4500.	-1.5	-0.5	.6
6600.000	4600.	-1.6	-0.5	.7
7550.000	5550.	-1.8	-0.6	1.3
8550.000	6550.	-1.7	-0.5	1.5
9650.000	7650.	-1.8	-0.6	1.6
10650.000	8650.	-2.0	-0.6	1.7
11950.000	9950.	-2.0	-0.6	1.6
13250.000	11250.	-1.8	-0.6	1.6
14320.000	12320.	-2.0	-0.6	1.7
14330.000	12330.	-1.5	-0.4	.3
14380.000	12380.	-4.2	-1.6	7.4
14445.000	12445.	-4.6	-1.7	7.4

WEIGHTED AVG FOR REACH		1.7	.6	1.2

FHF FOR THE REACH = 0.15 WITH 99.1% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 3

F/W, OK.

THIS RUN EXECUTED 28 APR 77 12.29

.....
 MCE2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

C
 T1 FPHS BR FAYETTEVILLE FIS
 T2 100 YR NATURAL
 T3 LITTLE CROSS CK ABOVE PANALEE RD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	135.300	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	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
QT	7.000	1750.000	1750.000	1750.000	1750.000	1750.000	750.000	1350.000	3070.000	0.000
ET	0.000	0.000	200.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.150	.150	.000	.200	.400	0.000	0.000	0.000	0.000	0.000

*** PANALEE RD. ***

X1	14445.000	20.000	432.000	484.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	50.000	150.000	200.000	145.900	254.000	141.800	327.000	136.000	432.000
GR	126.000	450.000	125.700	452.000	125.200	459.000	125.500	463.000	125.400	468.000
GR	125.000	479.000	129.400	404.000	130.200	570.000	131.500	650.000	129.800	660.000
GR	140.600	690.000	142.000	752.000	140.900	778.000	155.200	899.000	160.000	1010.000
NC	.040	.040	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4000.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	14545.000	18.000	300.000	335.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	147.000	100.000	143.200	150.000	141.000	200.000	139.500	250.000	139.000	300.000
GR	133.400	304.000	133.400	316.000	133.400	329.000	138.400	335.000	138.800	350.000
GR	139.100	400.000	138.300	450.000	138.300	500.000	137.400	550.000	137.300	600.000
GR	137.100	650.000	137.700	700.000	139.600	735.000	0.000	0.000	0.000	0.000
NC	.100	.100	.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*** MINTZ POND ***

X1	14555.000	21.000	250.000	450.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	150.000	0.000	140.000	160.000	138.000	170.000	136.000	190.000	134.000	225.000
GR	132.000	240.000	130.000	250.000	125.000	200.000	125.000	430.000	130.000	450.000
GR	132.000	490.000	134.000	530.000	136.000	550.000	138.000	600.000	138.200	640.000
GR	140.000	740.000	142.000	780.000	144.000	800.000	146.000	825.000	148.000	875.000
GR	150.000	890.000	150.000	900.000	150.000	900.000	150.000	900.000	150.000	900.000

X1	14560.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
X1	14570.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X1	15000.000	0.000	0.000	0.000	455.000	455.000	455.000	0.000	0.000	0.000
X1	15500.000	20.000	400.000	530.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	140.000	0.000	130.000	50.000	130.000	230.000	140.000	255.000	142.000	200.000
GR	140.000	310.000	130.000	330.000	136.000	345.000	134.000	370.000	132.000	375.000
GR	130.000	305.000	129.500	400.000	129.500	510.000	130.000	530.000	130.000	540.000
GR	132.000	500.000	134.000	620.000	136.000	695.000	130.000	720.000	140.000	750.000
ET	0.000	0.000	300.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	16100.000	12.000	150.000	465.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	140.000	0.000	130.000	25.000	130.000	50.000	134.000	130.000	132.000	140.000
GR	131.000	150.000	131.000	465.000	132.000	480.000	134.000	500.000	130.000	550.000
GR	130.000	500.000	140.000	635.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	16500.000	12.000	125.000	290.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	140.000	0.000	130.000	45.000	136.000	70.000	134.000	90.000	132.000	110.000
GR	131.000	125.000	131.000	290.000	132.000	310.000	134.000	305.000	136.000	420.000
GR	130.000	445.000	140.000	455.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	17000.000	12.000	90.000	330.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	140.000	0.000	130.000	10.000	136.000	20.000	134.000	30.000	132.000	40.000
GR	131.000	90.000	131.000	330.000	132.000	300.000	134.000	410.000	136.000	430.000
GR	130.000	455.000	140.000	480.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	18000.000	15.000	330.000	340.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	140.000	0.000	144.000	10.000	140.000	105.000	138.000	135.000	136.000	170.000
GR	134.000	200.000	132.700	330.000	131.500	335.000	132.600	340.000	134.000	400.000
GR	130.000	430.000	130.000	450.000	140.000	480.000	144.000	520.000	146.000	560.000
X1	18500.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	.300	0.000
X1	18700.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.000	0.000
OT	7.000	1650.000	1650.000	1650.000	1650.000	650.000	1270.000	2950.000	0.000	0.000
X1	19000.000	14.000	193.000	220.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	150.000	0.000	140.000	100.000	136.000	130.000	135.800	193.000	135.000	195.000
GR	134.000	200.000	134.900	215.000	135.700	220.000	136.000	270.000	138.000	290.000
GR	140.000	300.000	146.000	370.000	148.000	410.000	150.000	420.000	0.000	0.000
X1	19550.000	0.000	0.000	0.000	550.000	550.000	550.000	0.000	3.000	0.000
X1	19750.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.500	0.000
X1	20000.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	1.500	0.000
NC	.050	.050	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4000.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 NECE RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 61
 MODIFICATION - 50,51,52

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

LITTLE CROSS CK ABOVE PA

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
14445.000	139.38	139.39	0.00	129.20	10.40	1750.00
14445.000	136.30	136.30	0.00	129.20	12.94	1750.00
* 14545.000	138.69	139.58	0.00	133.40	11.48	1750.00
* 14545.000	138.70	139.58	0.00	133.40	11.45	1750.00
14955.000	139.75	139.75	0.00	129.00	.04	1750.00
14955.000	139.75	139.75	0.00	129.00	.04	1750.00
14960.000	139.75	139.75	0.00	129.00	.04	1750.00
14960.000	139.75	139.75	0.00	129.00	.04	1750.00
14970.000	139.75	139.75	0.00	129.00	.04	1750.00
14970.000	139.75	139.75	0.00	129.00	.04	1750.00
15000.000	139.75	139.75	0.00	129.00	.04	1750.00
15000.000	139.75	139.75	0.00	129.00	.04	1750.00
15900.000	139.75	139.76	0.00	129.50	.19	1750.00
15900.000	139.75	139.76	0.00	129.50	.19	1750.00
16100.000	139.77	139.77	0.00	131.00	.19	1750.00
16100.000	139.77	139.78	0.00	131.00	.30	1750.00
16500.000	139.78	139.79	0.00	131.00	.49	1750.00
16500.000	139.78	139.79	0.00	131.00	.58	1750.00
17000.000	139.80	139.81	0.00	131.00	.26	1750.00
17000.000	139.81	139.82	0.00	131.00	.35	1750.00
18000.000	139.86	139.88	0.00	131.50	3.72	1750.00
18000.000	139.88	139.91	0.00	131.50	4.22	1750.00
18500.000	140.05	140.07	0.00	131.80	3.94	1750.00
18500.000	140.10	140.12	0.00	131.80	4.42	1750.00
18700.000	140.14	140.17	0.00	132.80	7.00	1750.00
18700.000	140.21	140.24	0.00	132.80	7.45	1750.00

SECNO	CHSEL	EG	ELLC	ELMIN	10K+S	0
19800.000	140.41	140.52	0.00	134.00	17.17	1650.00
19800.000	140.48	140.58	0.00	134.00	16.28	1650.00
19950.000	141.92	142.20	0.00	137.00	61.60	1650.00
19950.000	141.93	142.21	0.00	137.00	60.53	1650.00
19750.000	143.24	143.57	0.00	138.50	74.33	1650.00
19750.000	143.24	143.57	0.00	138.50	74.71	1650.00
20000.000	144.96	145.24	0.00	140.00	59.36	1650.00
20000.000	144.96	145.24	0.00	140.00	59.49	1650.00
* 20140.000	147.77	148.92	0.00	142.00	15.78	1650.00
* 20140.000	147.77	148.92	0.00	142.00	15.78	1650.00
* 20200.000	163.88	164.61	0.00	158.70	9.29	1650.00
* 20200.000	163.88	164.61	0.00	158.70	9.29	1650.00
20205.000	164.75	164.75	0.00	142.00	.00	1650.00
20205.000	164.75	164.75	0.00	142.00	.00	1650.00
20206.000	164.75	164.75	0.00	142.00	.00	1650.00
20206.000	164.75	164.75	0.00	142.00	.00	1650.00
20208.000	164.75	164.75	0.00	142.00	.00	1650.00
20208.000	164.75	164.75	0.00	142.00	.00	1650.00
20210.000	164.75	164.75	0.00	142.00	.00	1650.00
20210.000	164.75	164.75	0.00	142.00	.00	1650.00
20220.000	164.75	164.75	0.00	142.00	.00	1650.00
20220.000	164.75	164.75	0.00	142.00	.00	1650.00
20240.000	164.75	164.75	0.00	142.00	.00	1650.00
20240.000	164.75	164.75	0.00	142.00	.00	1650.00
20290.000	164.75	164.75	0.00	142.00	.00	1650.00
20290.000	164.75	164.75	0.00	142.00	.00	1650.00
20890.000	164.75	164.75	0.00	142.00	.00	1650.00
20890.000	164.75	164.75	0.00	142.00	.00	1650.00

LITTLE CROSS CK ABOVE PA

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
14449.000	135.30	434.21	432.00	484.00	679.20	245.00
14449.000	136.30	432.51	432.00	484.00	598.00	125.49
* 14549.000	138.69	388.22	388.00	335.00	718.32	338.82
* 14549.000	138.70	388.22	388.00	335.00	718.36	339.04
14555.000	139.75	161.27	250.00	450.00	725.93	564.66
14555.000	139.75	161.27	250.00	450.00	725.98	564.63
14560.000	139.75	161.25	250.00	450.00	726.08	564.83
14560.000	139.75	161.26	250.00	450.00	726.05	564.80
14970.000	139.75	161.27	250.00	450.00	725.92	564.66
14970.000	139.75	161.27	250.00	450.00	725.98	564.63
15000.000	139.75	161.26	250.00	450.00	726.02	564.77
15000.000	139.75	161.26	250.00	450.00	726.08	564.74
15500.000	139.75	6.24	400.00	530.00	746.26	679.40
15500.000	139.75	6.29	400.00	530.00	746.29	679.37
16100.000	139.77	2.98	150.00	465.00	628.45	625.47
16100.000	139.77	157.50	150.00	465.00	457.50	300.00
16500.000	139.78	5.02	125.00	290.00	453.89	448.87
16500.000	139.78	57.50	125.00	290.00	357.50	300.00
17000.000	139.80	1.03	90.00	330.00	477.43	476.41
17000.000	139.81	80.00	90.00	330.00	380.00	300.00
18000.000	139.88	107.29	330.00	340.00	477.71	370.42
18000.000	139.88	185.00	330.00	340.00	478.26	293.26
18500.000	140.05	108.78	330.00	340.00	476.22	367.44
18500.000	140.10	185.00	330.00	340.00	477.00	292.00
18700.000	140.14	122.48	330.00	340.00	462.52	340.04
18700.000	140.21	185.00	330.00	340.00	463.60	278.60
19000.000	140.41	95.95	193.00	220.00	304.73	208.78
19000.000	140.48	95.22	193.00	220.00	305.57	210.35
19550.000	141.92	108.12	193.00	220.00	294.59	186.47
19550.000	141.93	107.99	193.00	220.00	294.68	186.69
19750.000	143.24	109.46	193.00	220.00	293.69	184.23
19750.000	143.24	109.50	193.00	220.00	293.67	184.17
20000.000	144.96	107.84	193.00	220.00	294.77	186.93
20000.000	144.96	107.86	193.00	220.00	294.76	186.90
* 20140.000	147.77	183.59	165.00	230.00	405.35	167.61
* 20140.000	147.77	183.59	165.00	230.00	405.34	167.60

SECNO	CNSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
20200.000	163.88	147.48	184.00	216.00	685.09	537.61
20200.000	163.88	147.48	184.00	216.00	685.09	537.61
20205.000	164.75	73.04	160.00	840.00	891.31	818.27
20205.000	164.75	73.04	160.00	840.00	891.31	818.27
20206.000	164.75	73.03	160.00	840.00	891.32	818.29
20206.000	164.75	73.03	160.00	840.00	891.32	818.29
20208.000	164.75	73.04	160.00	840.00	891.31	818.27
20208.000	164.75	73.04	160.00	840.00	891.31	818.27
20210.000	164.75	73.04	160.00	840.00	891.31	818.27
20210.000	164.75	73.04	160.00	840.00	891.31	818.27
20220.000	164.75	73.04	160.00	840.00	891.31	818.27
20220.000	164.75	73.04	160.00	840.00	891.31	818.27
20240.000	164.75	73.04	160.00	840.00	891.31	818.27
20240.000	164.75	73.04	160.00	840.00	891.31	818.27
20290.000	164.75	73.04	160.00	840.00	891.31	818.27
20290.000	164.75	73.04	160.00	840.00	891.31	818.27
20890.000	164.75	73.03	160.00	840.00	891.31	818.28
20890.000	164.75	73.03	160.00	840.00	891.31	818.28

SUMMARY OF ERRORS

CAUTION SECNO=14545.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=14545.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=14545.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=14545.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=14545.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=14545.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=20140.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=20140.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=20140.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=20140.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=20140.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=20140.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=20200.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=20200.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=20200.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=20200.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=20200.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=20200.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, LITTLE CROSS CK ABOVE PA
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
14445.000	125.	922.	1.9	136.3	135.3	1.0
14945.000	339.	444.	3.9	138.7	138.7	0.0
14955.000	565.	4226.	.4	139.7	139.7	0.0
14960.000	565.	4227.	.4	139.7	139.7	0.0
14970.000	565.	4226.	.4	139.7	139.7	0.0
15000.000	565.	4227.	.4	139.7	139.7	0.0
15900.000	679.	3232.	.5	139.7	139.7	0.0
16100.000	300.	2628.	.7	139.8	139.8	0.0
16500.000	300.	2350.	.7	139.8	139.8	0.0
17000.000	300.	2623.	.7	139.8	139.8	0.0
18000.000	293.	1634.	1.1	139.9	139.9	0.0
18500.000	292.	1609.	1.1	140.1	140.0	.1
18700.000	279.	1355.	1.3	140.2	140.1	.1
19000.000	210.	837.	2.0	140.5	140.4	.1
19550.000	187.	933.	3.1	141.9	141.9	0.0
19750.000	184.	496.	3.3	143.2	143.2	0.0
20000.000	187.	937.	3.1	145.0	145.0	0.0
20140.000	188.	338.	4.9	147.8	147.8	0.0
20200.000	538.	597.	2.8	163.9	163.9	0.0
20205.000	818.	12446.	.1	164.8	164.8	0.0
20206.000	818.	12447.	.1	164.8	164.8	0.0
20208.000	818.	12446.	.1	164.8	164.8	0.0
20210.000	818.	12446.	.1	164.8	164.8	0.0
20220.000	818.	12446.	.1	164.8	164.8	0.0
20240.000	818.	12446.	.1	164.8	164.8	0.0
20290.000	818.	12446.	.1	164.8	164.8	0.0
20890.000	818.	12446.	.1	164.8	164.8	0.0

NATURAL
OK
9/23/26

T1 FPMS BR FAYETTEVILLE NC FIS
T2 10 YR NATURAL
T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	-0	-0	.001000	-0	-0	-0	114.000	-0
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IDW	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
QT	7.000	1850.000	1850.000	1850.000	1850.000	760.000	1450.000	3250.000	-0	-0
ET	-0	-0	400.200	-0	-0	-0	-0	-0	-0	-0
NC	.150	.150	.080	.200	.400	-0	-0	-0	-0	-0
X1	6500.000	29.000	1174.000	1209.000	0	0	0	0	0	-0
GR	140.000	0	138.000	10.000	136.000	30.000	134.000	100.000	132.000	190.000
GR	130.000	230.000	128.000	280.000	126.000	365.000	126.000	420.000	128.000	480.000
GR	128.000	630.000	126.000	675.000	124.000	710.000	122.000	745.000	120.000	780.000
GR	118.000	850.000	116.000	870.000	114.000	920.000	112.300	1174.000	112.200	1182.000
GR	112.300	1200.000	112.400	1209.000	112.300	1223.000	112.400	1250.000	112.900	1260.000
GR	114.200	1298.000	117.800	1321.000	123.800	1365.000	140.000	1500.000	-0	-0
X1	6600.000	0	0	0	100.000	100.000	100.000	1.000	0	-0
X1	7550.000	40.000	699.000	715.000	950.000	950.000	950.000	0	0	-0
GR	146.000	30.000	144.000	175.000	142.000	230.000	140.000	280.000	138.000	305.000
GR	130.000	390.000	126.000	430.000	124.000	440.000	122.000	490.000	119.400	533.000
GR	119.000	550.000	115.700	627.000	115.600	670.000	114.300	699.000	114.000	700.000
GR	112.700	702.000	110.800	706.000	110.200	708.000	110.600	711.000	111.800	712.000
GR	114.100	714.000	114.300	715.000	114.100	736.000	114.700	853.000	114.600	902.000
GR	114.100	906.000	114.600	910.000	114.800	913.000	114.300	997.000	115.600	1029.000
GR	118.000	1086.000	119.000	1191.000	126.900	1237.000	128.000	1240.000	132.000	1280.000
GR	134.000	1310.000	136.000	1340.000	138.000	1360.000	140.000	1390.000	150.000	1445.000
X1	8550.000	28.000	689.000	717.000	1000.000	1000.000	1000.000	0	0	-0
GR	150.000	0	140.000	120.000	130.000	240.000	128.000	280.000	126.000	340.000
GR	124.000	385.000	122.000	430.000	120.000	475.000	118.000	515.000	115.600	683.000
GR	116.200	689.000	115.800	697.000	115.300	700.000	113.700	703.000	114.700	709.000
GR	114.800	709.000	115.300	716.000	116.200	717.000	117.900	822.000	128.200	911.000
GR	139.600	1009.000	142.000	1070.000	144.000	1080.000	146.000	1105.000	146.000	1210.000
GR	147.500	1365.000	148.000	1435.000	150.000	1445.000	-0	-0	-0	-0
X1	9650.000	40.000	891.000	920.000	1100.000	1100.000	1100.000	0	0	-0
GR	160.000	10.000	148.000	140.000	146.000	170.000	144.000	240.000	140.000	310.000
GR	138.000	325.000	136.000	350.000	134.000	380.000	132.000	420.000	130.000	440.000
GR	128.000	495.000	126.000	555.000	124.000	630.000	122.000	700.000	120.000	765.000
GR	110.300	841.000	117.800	846.000	116.700	846.000	116.900	853.000	117.800	863.000
GR	118.200	891.000	117.600	900.000	116.800	907.000	117.700	915.000	118.400	920.000
GR	118.600	951.000	119.600	961.000	122.600	983.000	129.600	1033.000	135.500	1055.000
GR	135.800	1089.000	138.000	1125.000	140.000	1145.000	142.000	1160.000	144.000	1195.000
GR	150.000	1255.000	152.000	1265.000	156.000	1310.000	158.000	1325.000	160.000	1345.000
ET	-0	-0	350.200	-0	-0	-0	-0	-0	-0	-0

X1	10650.000	38.000	600.000	623.000	1000.000	1000.000	1000.000	0	0	0
GR	160.000	0	158.000	20.000	156.000	30.000	154.000	50.000	152.000	60.000
GR	150.000	80.000	148.000	65.000	146.000	100.000	144.000	120.000	142.000	140.000
GR	140.000	165.000	138.000	190.000	136.000	215.000	134.000	240.000	132.000	250.000
GR	130.000	275.000	128.000	295.000	126.000	360.000	124.000	420.000	122.000	500.000
GR	120.000	550.000	118.900	582.000	119.600	600.000	117.800	614.000	118.100	619.000
GR	119.600	622.000	120.100	623.000	119.700	641.000	119.400	657.000	122.000	690.000
GR	123.300	712.000	124.600	790.000	129.200	841.000	134.100	878.000	150.000	910.000
GR	152.000	940.000	154.000	1010.000	160.000	1020.000	-0	-0	-0	-0

X1	11950.000	34.000	800.000	829.000	1300.000	1300.000	1300.000	0	0	-0
GR	144.000	30.000	142.000	60.000	140.000	90.000	138.000	120.000	136.000	160.000
GR	134.000	200.000	132.000	230.000	130.000	260.000	128.000	345.000	126.000	500.000
GR	14.000	715.000	122.100	795.000	121.600	800.000	120.700	819.000	121.900	829.000
GR	122.000	842.000	121.600	856.000	121.200	883.000	122.000	894.000	122.200	923.000
GR	122.300	943.000	120.900	948.000	120.800	957.000	122.400	965.000	122.600	1005.000
GR	122.700	1037.000	126.300	1083.000	129.200	1151.000	130.500	1241.000	132.000	1280.000
GR	134.000	1305.000	136.000	1380.000	138.000	1430.000	140.000	1500.000	-0	-0

X1	13250.000	40.000	500.000	511.000	1300.000	1300.000	1300.000	0	0	-0
GR	158.000	10.000	156.000	35.000	154.000	65.000	152.000	85.000	148.000	130.000
GR	146.000	150.000	142.000	195.000	140.000	215.000	138.000	250.000	136.000	270.000
GR	134.000	290.000	132.000	305.000	130.000	315.000	124.400	448.000	124.400	474.000
GR	124.900	497.000	124.600	500.000	123.800	504.000	124.600	511.000	124.500	546.000
GR	124.100	561.000	123.800	571.000	123.600	578.000	123.900	580.000	124.000	588.000
GR	124.400	593.000	125.300	604.000	129.200	620.000	133.300	646.000	135.600	682.000
GR	142.000	710.000	144.000	755.000	144.000	780.000	144.000	1335.000	146.000	1340.000
GR	148.000	1355.000	150.000	1365.000	152.000	1390.000	158.000	1430.000	160.000	1460.000

X1	14320.000	21.000	440.000	494.000	1070.000	1070.000	1070.000	0	0	-0
GR	160.000	110.000	149.600	194.000	141.000	300.000	137.000	364.000	133.100	430.000
GR	130.100	440.000	127.800	443.000	126.300	449.000	126.400	450.000	123.100	451.000
GR	123.400	452.000	123.200	455.000	123.200	457.000	125.000	458.000	126.400	459.000
GR	129.100	494.000	128.700	563.000	133.400	689.000	137.700	708.000	150.000	900.000
GR	160.000	940.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	14330.000	26.000	450.000	480.000	10.000	10.000	10.000	0	0	-0
GR	157.400	0	156.000	50.000	154.400	100.000	152.900	150.000	151.300	200.000
GR	149.500	250.000	147.700	300.000	146.300	350.000	145.100	400.000	144.300	450.000
GR	124.700	450.000	124.700	476.000	144.100	476.000	143.600	480.000	143.400	550.000
GR	144.000	600.000	144.700	650.000	145.300	700.000	146.500	750.000	147.700	800.000
GR	149.200	850.000	151.000	900.000	153.000	950.000	154.800	1000.000	156.800	1050.000
GR	158.600	1100.000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1.250	2.040	2.500	0	26.000	2.000	178.000	0	0	0

X1	14380.000	26.000	450.000	480.000	50.000	50.000	50.000	0	0	-0
X2	0	0	1.000	132.100	143.400	-0	-0	-0	-0	-0
BT	10.000	0	157.400	132.100	150.000	152.900	132.100	200.000	151.300	132.100
BT	350.000	146.300	132.100	450.000	144.300	132.100	550.000	143.400	132.100	700.000
BT	145.300	132.100	800.000	147.700	132.100	950.000	153.000	132.100	1100.000	158.600
BT	132.100	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	157.400	0	156.000	50.000	154.400	100.000	152.900	150.000	151.300	200.000
GR	149.500	250.000	147.700	300.000	146.300	350.000	145.100	400.000	144.300	450.000
GR	124.700	450.000	124.700	476.000	144.100	476.000	143.600	480.000	143.400	550.000
GR	144.000	600.000	144.700	650.000	145.300	700.000	146.500	750.000	147.700	800.000
GR	149.200	850.000	151.000	900.000	153.000	950.000	154.800	1000.000	156.800	1050.000
GR	158.600	1100.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	14445.000	20.000	432.000	484.000	65.000	65.000	65.000	0	0	-0
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	100.000	50.000	150.000	200.000	145.000	250.000	141.000	327.000	130.000	432.000
GR	126.000	450.000	125.700	452.000	125.200	459.000	125.500	463.000	125.400	468.000
GR	125.800	479.000	129.600	484.000	130.200	570.000	131.500	658.000	129.800	668.000
GR	140.600	690.000	142.000	752.000	140.900	778.000	155.200	899.000	160.000	1010.000
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 50 YR NATURAL
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	7.	-0	-0	,001000	-0	-0	-0	116.000	-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 GEHV= ,400

*SECNO 6500,000

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	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
6500,00	4,90	117,10	0	116,00	117,12	,02	0	0	112,30
1450.	845.	284.	321.	1116.	169.	401.	0	0	112,40
0	,76	1,68	,80	,150	,080	,150	0	112,20	858,96
,001006	0	0	0	0	0	4	0	457,60	1316,56

*SECNO 6600,000

6600,00	5,00	117,20	0	0	117,22	,02	,10	,00	112,30
1450.	847.	282.	320.	1147.	173.	412.	4.	1.	112,40
,03	,74	1,64	,78	,150	,080	,150	,079	112,20	857,95
,000926	100.	100.	100.	0	0	1	0	459,25	1317,20

*SECNO 7550,000

7550,00	8,05	118,25	0	0	118,26	,02	1,05	,00	114,30
1450.	185.	210.	1055.	283.	101.	1254.	41.	12.	114,30
,29	,65	2,09	,84	,150	,080	,150	,080	110,20	567,60
,001333	950.	950.	950.	2	0	1	0	544,23	1111,82

*SECNO 8550,000

8550,00	6,40	120,10	0	0	120,14	,05	1,87	,01	116,20
1450.	701.	385.	364.	622.	138.	340.	72.	22.	116,20
,47	1,13	2,79	1,07	,150	,080	,150	,080	113,70	472,90
,002807	1000.	1000.	1000.	2	0	1	0	368,05	840,95

*SECNO 9650,000

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

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 100 YR NATURAL
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1 ICHECK INR NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 2. -0 -0 .001000 -0 -0 -0 118.000 -0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IRW CHNIM ITRACE
 3.000 -0 .1.000 -0 -0 -0 -0 -0 -0 -0

*PROF 3

CCHV= .200 CEHV= .400

*SECNO 6500.000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	ULOSS	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	XECH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWTD	ENDST
6500.00	5.54	117.74	0	118.00	117.76	.02	0	0	112.30
1850.	1095.	348.	407.	1319.	191.	471.	0	0	112.40
0	.83	1.82	.86	.150	.080	.150	0	112.20	852.57
.000995	0	0	0	0	0	4	0	468.06	1320.63

*SECNO 6600.000

6600.00	5.64	117.84	0	0	117.86	.02	.10	.00	112.30
1850.	1097.	346.	407.	1351.	195.	483.	5.	1.	112.40
.03	.81	1.77	.84	.150	.080	.150	.079	112.20	851.58
.000925	100.	100.	100.	0	0	1	0	469.73	1321.31

*SECNO 7550.000

7550.00	8.66	118.86	0	0	118.88	.02	1.02	.00	114.30
1850.	260.	239.	1351.	368.	110.	1518.	48.	13.	114.30
.28	.71	2.16	.89	.150	.080	.150	.080	110.20	593.28
.001264	950.	950.	950.	2	0	1	0	622.95	1176.23

*SECNO 8550.000

8550.00	6.94	120.64	0	0	120.69	.05	1.80	.01	116.20
1850.	914.	455.	481.	743.	153.	409.	86.	25.	116.20
.45	1.23	2.97	1.18	.150	.080	.150	.080	113.70	460.70
.002773	1000.	1000.	1000.	2	0	1	0	384.94	845.64

*SECNO 9650.000

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

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 500 YR NATURAL
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	8.	-0	-0	.001000	.0	.0	-0	120.000	.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.0	-1.000	.0	.0	.0	.0	.0	.0	.0

*PROF 4

CCHV= .200 CENV= .400

*SECNO 6500.000

SECNO	DEPTH	CWSEL	CRISW	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
6500.00	7.33	119.53	0	120.00	119.55	.03	0	0	112.30
3250.	1976.	558.	716.	1938.	254.	682.	0	0	112.40
0	1.02	2.20	1.05	.150	.080	.150	0	112.20	796.51
.000997	0	0	0	0	0	.4	0	537.17	1333.67

*SECNO 6600.000

6600.00	7.43	119.63	0	0	119.65	.03	.10	.00	112.30
3250.	1979.	555.	716.	1976.	257.	695.	7.	1.	112.40
.02	1.00	2.16	1.03	.150	.080	.150	.079	112.20	793.02
.000944	100.	100.	100.	0	0	1	0	541.39	1334.41

*SECNO 7550.000

7550.00	10.39	120.59	0	0	120.61	.02	.96	.00	114.30
3250.	562.	322.	2365.	661.	138.	2349.	73.	15.	114.30
.26	.85	2.33	1.01	.150	.080	.150	.080	110.20	513.27
.001089	950.	950.	950.	2	0	1	0	687.01	1200.28

*SECNO 8550.000

8550.00	8.50	122.20	0	0	122.26	.07	1.63	.02	116.20
3250.	1673.	681.	896.	1125.	197.	620.	131.	27.	116.20
.41	1.49	3.46	1.45	.150	.080	.150	.080	113.70	425.67
.002698	1000.	1000.	1000.	2	0	1	0	433.42	859.09

*SECNO 9650.000

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

SUMMARY PRINTOUT

LITTLE CROSS CR ABOVE G

SECNO	CWSEL	Q	ELMIN	EQ	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
6500.00	115.81	760.00	112.20	115.82	.01	10.02	0	433.60	874.70	1308.30	1.3
6500.00	117.10	1450.00	112.20	117.12	.02	10.06	1.29	457.60	858.96	1316.56	1.6
6500.00	117.74	1850.00	112.20	117.76	.02	9.95	.64	468.06	852.57	1320.63	1.8
6500.00	119.53	3250.00	112.20	119.55	.03	9.97	1.79	537.17	796.51	1333.67	2.2
6600.00	115.91	760.00	112.20	115.92	.01	8.91	0	436.74	872.20	1308.94	1.3
6600.00	117.20	1450.00	112.20	117.22	.02	9.26	1.29	459.25	857.95	1317.20	1.6
6600.00	117.84	1850.00	112.20	117.86	.02	9.25	.64	469.73	851.58	1321.31	1.7
6600.00	119.63	3250.00	112.20	119.65	.03	9.44	1.79	541.39	793.02	1334.41	2.1
7550.00	116.98	760.00	110.20	116.99	.02	14.76	0	464.41	597.25	1061.66	1.8
7550.00	118.25	1450.00	110.20	118.26	.02	13.33	1.27	544.23	567.60	1111.82	2.0
7550.00	118.86	1850.00	110.20	118.88	.02	12.64	.61	622.95	553.28	1176.23	2.1
7550.00	120.59	3250.00	110.20	120.61	.02	10.89	1.73	687.01	513.27	1200.28	2.3
8550.00	118.96	760.00	113.70	119.00	.04	28.50	0	335.35	495.80	831.16	2.3
8550.00	120.10	1450.00	113.70	120.14	.05	28.07	1.14	368.05	472.90	840.95	2.7
8550.00	120.64	1850.00	113.70	120.69	.05	27.73	.54	384.94	460.70	845.64	2.9
8550.00	122.20	3250.00	113.70	122.26	.07	26.98	1.55	433.42	425.67	859.09	3.4
9650.00	121.62	760.00	116.70	121.65	.03	20.68	0	263.41	712.39	975.80	2.1
9650.00	122.89	1450.00	116.70	122.94	.05	23.10	1.27	316.29	668.79	985.08	2.7
9650.00	123.47	1850.00	116.70	123.52	.05	23.88	.57	340.83	648.42	989.24	2.9
9650.00	125.08	3250.00	116.70	125.15	.08	25.52	1.61	410.93	589.74	1000.67	3.5
10650.00	123.48	760.00	117.80	123.51	.03	16.72	0	280.79	441.28	722.07	2.1
10650.00	124.89	1450.00	117.80	124.93	.04	17.32	1.42	399.75	393.42	793.17	2.5
10650.00	125.51	1850.00	117.80	125.55	.04	17.45	.62	425.17	374.86	800.03	2.7
10650.00	127.20	3250.00	117.80	127.26	.05	17.60	1.69	497.83	321.00	818.83	3.2
11950.00	125.19	760.00	120.70	125.20	.01	10.38	0	481.15	587.60	1068.75	1.5
11950.00	126.54	1450.00	120.70	126.56	.02	9.44	1.36	631.05	457.71	1088.76	1.7
11950.00	127.14	1850.00	120.70	127.16	.02	9.16	.60	691.44	411.35	1102.79	1.8
11950.00	128.79	3250.00	120.70	128.81	.02	8.57	1.65	829.95	311.44	1141.38	2.1
13250.00	127.49	760.00	123.60	127.52	.03	37.28	0	238.04	374.89	612.94	2.4
13250.00	128.74	1450.00	123.60	128.78	.05	39.28	1.25	273.03	345.06	618.09	3.1
13250.00	129.31	1850.00	123.60	129.36	.06	40.44	.57	289.15	331.51	620.66	3.4
13250.00	130.87	3250.00	123.60	130.95	.08	42.28	1.56	319.93	310.65	630.59	4.2
14320.00	131.15	760.00	123.10	131.22	.08	31.95	0	192.19	436.50	628.68	2.5
14320.00	132.55	1450.00	123.10	132.66	.10	33.07	1.40	234.44	431.83	666.26	3.1
14320.00	133.20	1850.00	123.10	133.32	.12	33.48	.65	255.11	428.39	683.50	3.3
14320.00	134.90	3250.00	123.10	135.05	.15	34.36	1.70	295.98	399.63	695.60	4.0
14330.00	131.05	760.00	124.70	131.38	.33	88.92	0	26.00	450.00	476.00	4.6
14330.00	132.16	1450.00	124.70	133.03	.87	203.11	1.12	26.00	450.00	476.00	7.4
14330.00	132.59	1850.00	124.70	133.85	1.26	282.15	.42	26.00	450.00	476.00	9.0
14330.00	132.93	3250.00	124.70	136.51	3.58	772.22	.35	26.00	450.00	476.00	15.1
14380.00	131.12	760.00	124.70	131.44	.32	85.97	0	26.00	450.00	476.00	4.5
14380.00	133.66	1450.00	124.70	134.26	.60	121.12	2.54	26.00	450.00	476.00	6.2
14380.00	135.31	1850.00	124.70	136.01	.70	123.75	1.65	26.00	450.00	476.00	6.7
14380.00	142.70	3250.00	124.70	143.45	.75	94.37	7.39	26.00	450.00	476.00	6.9

PRINTED BY: JAMES W. HARRIS
 DATE: 10/10/78
 TIME: 10:00 AM

SECNO	CWSEL	O	ELMIN	FM	4Y	10R	DIFRSP	TOPHD	SSTA	ENDST	VCH
14445.00	131.68	760.00	125.20	131.77	.09	25.52	0	231.48	440.39	671.83	2.6
14445.00	134.50	1450.00	125.20	134.94	.05	11.15	2.82	242.80	439.97	677.57	2.2
14445.00	136.23	1050.00	125.20	136.26	.04	7.37	1.73	248.46	432.63	681.09	2.0
14445.00	143.61	3250.00	125.20	143.63	.02	1.69	7.38	506.19	294.75	800.94	1.4

14445.00 131.68 760.00 125.20 131.77 .09 25.52 0 231.48 440.39 671.83 2.6
 14445.00 134.50 1450.00 125.20 134.94 .05 11.15 2.82 242.80 439.97 677.57 2.2
 14445.00 136.23 1050.00 125.20 136.26 .04 7.37 1.73 248.46 432.63 681.09 2.0
 14445.00 143.61 3250.00 125.20 143.63 .02 1.69 7.38 506.19 294.75 800.94 1.4

FLOOD INSURANCE ZONE DATA FOR LITTLE CROSS CR ABOVE G

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.2'
6500.000	0	-1.9	-.6	1.8
6600.000	100.	-1.9	-.6	1.8
7550.000	1050.	-1.9	-.6	1.7
8550.000	2050.	-1.7	-.5	1.6
9650.000	3150.	-1.8	-.6	1.6
10650.000	4150.	-2.0	-.6	1.7
11950.000	5450.	-2.0	-.6	1.6
13250.000	6750.	-1.8	-.6	1.6
14320.000	7820.	-2.0	-.6	1.7
14330.000	7830.	-1.5	-.4	.3
14380.000	7880.	-4.2	-1.6	7.4
14445.000	7945.	-4.6	-1.7	7.4
WEIGHTED AVG FOR REACH		-1.9	-.6	1.7

FHF FOR THE REACH = 0.20 WITH 98.6% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 4

OK
9/23/76

T1 FPMS BR FAYETTEVILLE NC FIS
T2 10 YR NATURAL
T3 LITTLE CROSS CR ABOVE PAMALEE RD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	WSEL	FQ	
	-1.	6.	-0	-0	.001000	-0	-0	-0 133,000	-0	
J2	NPROF	IPLUT	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
QT	7,000	1750,000	1750,000	1750,000	1750,000	750,000	1350,000	3070,000	0	0
ET	-0	0	200,200	-0	0	0	0	0	0	0
NC	.150	.150	.080	.200	.400	0	0	0	0	0

*** PAMELEE RD, ***

X1	14445,000	20,000	432,000	484,000	0	0	0	0	0	0
GR	160,000	50,000	150,600	206,000	145,900	254,000	141,800	327,000	136,600	432,000
GR	126,000	450,000	125,700	452,000	125,200	459,000	125,500	463,000	125,400	468,000
GR	125,800	479,000	129,600	484,000	130,200	570,000	131,500	658,000	129,800	668,000
GR	140,600	690,000	142,000	752,000	140,900	778,000	155,200	899,000	160,000	1010,000
NC	.040	.040	.015	-0	0	0	0	0	0	0
ET	-0	0	4000,200	-0	0	0	0	0	0	0

X1	14545,000	18,000	300,000	335,000	100,000	100,000	100,000	0	0	0
GR	147,000	100,000	143,200	150,000	141,000	200,000	139,500	250,000	139,000	300,000
GR	133,400	304,000	133,400	316,000	133,400	329,000	138,400	335,000	138,800	350,000
GR	139,100	400,000	138,300	450,000	138,300	500,000	137,400	550,000	137,300	600,000
GR	137,100	650,000	137,700	700,000	139,600	735,000	0	0	0	0
NC	.100	.100	.030	0	0	0	0	0	0	0

*** MINTZ POND ***

X1	14555,000	21,000	250,000	450,000	10,000	10,000	10,000	0	0	0
GR	150,000	0	140,000	160,000	138,000	170,000	136,000	190,000	134,000	225,000
GR	132,000	240,000	130,000	250,000	129,000	280,000	125,000	430,000	130,000	450,000
GR	132,000	490,000	134,000	530,000	136,000	550,000	138,000	600,000	138,200	640,000
GR	140,000	740,000	142,000	780,000	144,000	800,000	146,000	825,000	148,000	875,000
GR	150,000	890,000	0	0	0	0	0	0	0	0

X1	14560,000	0	0	0	5,000	5,000	5,000	0	0	0
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X1	14570,000	0	0	0	10,000	10,000	10,000	0	0	0
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X1	15000,000	0	0	0	455,000	455,000	455,000	0	0	0
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X1	15500,000	20,000	400,000	530,000	500,000	500,000	500,000	0	0	0
GR	140,000	0	138,000	50,000	138,000	230,000	140,000	255,000	142,000	280,000
GR	140,000	310,000	138,000	330,000	136,000	345,000	134,000	370,000	132,000	375,000
GR	130,000	385,000	129,500	400,000	129,500	510,000	130,000	530,000	130,000	540,000

GR	132,000	350,000	134,000	820,000	138,000	835,000	138,000	720,000	140,000	750,000
NC	.100	.100	.050	.0	.0	.0	.0	.0	.0	.0
X1	16100.000	12.000	150.000	465.000	600.000	600.000	600.000	-0	-0	-0
GR	140,000	0	138,000	25,000	136,000	50,000	134,000	130,000	132,000	140,000
GR	131,000	150,000	131,000	465,000	132,000	480,000	134,000	500,000	136,000	550,000
GR	138,000	580,000	140,000	635,000	.0	.0	-0	-0	-0	-0
X1	16500.000	12.000	125.000	290.000	400.000	400.000	400.000	-0	-0	-0
GR	140,000	0	138,000	45,000	136,000	70,000	134,000	90,000	132,000	110,000
GR	131,000	125,000	131,000	290,000	132,000	310,000	134,000	385,000	136,000	420,000
GR	138,000	445,000	140,000	455,000	-0	-0	-0	-0	-0	-0
X1	17000.000	12.000	90.000	330.000	500.000	500.000	500.000	-0	-0	-0
GR	140,000	0	138,000	10,000	136,000	20,000	134,000	30,000	132,000	40,000
GR	131,000	90,000	131,000	330,000	132,000	380,000	134,000	410,000	136,000	430,000
GR	138,000	455,000	140,000	480,000	.0	.0	-0	-0	-0	-0
X1	18000.000	17.000	230.000	240.000	1000.000	1000.000	1000.000	-0	-0	-0
GR	145,000	0	139,700	54,000	138,800	58,000	138,900	60,000	139,900	90,000
GR	139,700	95,000	138,400	100,000	138,800	105,000	140,400	110,000	147,600	150,000
GR	139,200	200,000	139,700	230,000	138,500	235,000	139,600	240,000	139,200	250,000
GR	142.100	300,000	147,600	350,000	.0	.0	-0	-0	-0	-0
X1	18500.000	.0	.0	.0	500.000	500.000	500.000	-0	1.000	-0
QT	7,000	1650,000	1650,000	1650,000	1650,000	650,000	1270,000	2950,000	.0	.0
X1	19000.000	15.000	193.000	220.000	500.000	500.000	500.000	-0	-1.000	-0
GR	147,700	50,000	144,700	100,000	143,000	153,000	141,800	163,000	142,300	173,000
GR	143,100	193,000	142,300	195,000	141,300	200,000	142,200	215,000	143,000	220,000
GR	143,700	250,000	143,700	300,000	144,600	350,000	145,500	400,000	147,600	450,000
X1	19550.000	.0	.0	.0	550.000	550.000	550.000	-0	1.000	-0
NC	.050	.050	.015	.0	.0	.0	.0	.0	.0	.0
ET	.0	.0	4000.200	.0	.0	.0	.0	.0	.0	.0

KORNBOW LAKE

X1	19750.000	23.000	165.000	230.000	200.000	100.000	200.000	-0	-0	-0
GR	170,000	0	168,000	35,000	166,000	85,000	164,000	140,000	162,000	165,000
GR	160,000	170,000	142,000	190,000	142,000	205,000	154,000	230,000	156,000	233,000
GR	156,000	255,000	150,000	265,000	148,000	270,000	146,000	280,000	146,000	370,000
GR	148,000	410,000	150,000	460,000	152,000	470,000	154,000	480,000	156,000	510,000
GR	158,000	690,000	160,000	710,000	170,000	930,000	-0	-0	-0	-0
X1	19810.000	20.000	184.000	216.000	60.000	60.000	60.000	-0	-0	-0
GR	167,800	50,000	165,400	100,000	163,800	150,000	162,900	184,000	158,700	185,000
GR	158,700	200,000	158,800	215,000	162,900	216,000	162,900	250,000	162,700	300,000
GR	162,800	350,000	162,800	400,000	162,600	450,000	162,800	500,000	163,000	550,000
GR	163,500	600,000	163,600	650,000	164,000	700,000	164,700	750,000	165,400	800,000
NC	.080	.080	.030	.0	.0	.0	.0	.0	.0	.0
X1	19815.000	14.000	160.000	840.000	5.000	5.000	5.000	-0	-0	-0
GR	170,000	0	168,000	20,000	166,000	45,000	164,000	90,000	162,000	120,000
GR	160,000	160,000	142,000	320,000	142,000	630,000	160,000	840,000	162,000	850,000

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 50 YR NATURAL
 T3 LITTLE CROSS CR ABOVE PAMALEE RD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	7.	0	0	.001000	0	0	0	135,000	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 14445,000

SECNO	DEPTH	CWSEL	CRWS	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

*** PAMELEE RD. ***

14445,00	9,25	134,45	0	135,00	134,49	.04	0	0	136,60
1350.	0	743.	607.	0	353.	767.	0	0	129,60
0	0	2.10	.79	.150	.080	.150	0	125,20	435,66
.000996	0	0	0	0	0	4	0	241,81	677,46

*SECNO 14545,000
 3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRWS	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

14545,00	4,84	138,24	138,24	0	139,13	.89	.11	0	139,00
1350.	0	1167.	183.	0	143.	161.	2.	1.	138,40
.00	0	8.14	1.14	.040	.015	.040	.015	133,40	300,54
.001169	100.	100.	100.	30	11	1	0	240,88	709,95

 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

T1 FPHS BR FAYETTEVILLE NC FIS
 T2 100 YR NATURAL
 T3 LITTLE CROSS CR ABOVE PAMALEE RD

J1	ICHECK	INQ	NINR	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	2.	-0	-0	.001000	-0	-0	-0	137.000	-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 14445,000

SECNO	DEPTH	CHSEL	CRINS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	OLOB	OCH	OROB	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

*** PAMALEE RD. ***

14445,00	10.14	135.34	0	137.00	135.39	.05	0	0	136.60
1750.	0	893.	857.	0	397.	941.	0	0	129.60
0	0	2.25	.91	.150	.080	.150	0	125.20	434.14
.001020	0	0	0	0	0	.3	0	245.14	679.28

*SECNO 14545,000
 3685 20 TRIALS USED WSEL,CHSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CHSEL	CRINS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	OLOB	OCH	OROB	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

14545,00	5.29	138.69	138.69	0	139.58	.88	.11	0	139.00
1750.	0	1357.	393.	0	159.	284.	2.	1.	138.40
.00	0	8.53	1.38	.040	.015	.040	.015	133.40	300.22
.001148	100.	100.	100.	30	11	1	0	336.77	718.31

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 500 YR NATURAL
 T3 LITTLE CROSS CR ABOVE PAHALEE RD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FO
	.10.	8.	.0	.0	.001000	.0	.0	.0	139.000	.0
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	15.000	.0	-1.000	.0	.0	.0	.0	.0	.0	.0

*PROF 4

CCHV# .200 CEHV# .400
 *SECNO 14445.000

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

*** PAHALEE RD. ***

14445.00	12.61	137.81	0	139.00	137.87	.06	0	0	136.60
3070.	3.	1376.	1691.	15.	524.	1429.	0	0	129.60
0	.23	2.63	1.18	.150	.080	.150	0	125.20	407.66
.001020	0	0	0	0	0	3	0	276.65	684.31

*SECNO 14545.000
 3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

14545.00	6.18	139.58	139.58	0	140.54	.97	.11	0	139.00
3070.	10.	1889.	1171.	16.	190.	612.	3.	1.	138.40
.00	.62	9.94	1.92	.040	.015	.040	.015	133.40	247.43
.001248	100.	100.	100.	30	8	1	0	487.15	734.58

*SECNO 14555.000

SUMMARY PRINTOUT

LITTLE CROSS CR ABOVE PA

SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
14445.00	132.75	750.00	125.20	132.78	.04	9.85	0	235.45	438.55	674.00	1.8
14445.00	134.45	1350.00	125.20	134.49	.04	9.96	1.70	241.81	435.66	677.46	2.1
14445.00	135.34	1750.00	125.20	135.39	.05	10.20	.89	245.14	434.14	679.28	2.2
14445.00	137.81	3070.00	125.20	137.87	.06	10.20	2.47	276.65	407.66	684.31	2.6
* 14545.00	136.31	750.00	133.40	137.65	1.34	26.72	0	30.57	301.92	332.49	9.2
* 14545.00	138.24	1350.00	133.40	139.13	.89	11.69	1.93	240.60	300.54	709.95	8.1
* 14545.00	138.69	1750.00	133.40	139.58	.88	11.48	.45	338.77	300.22	718.31	8.5
* 14545.00	139.58	3070.00	133.40	140.54	.97	12.48	.88	487.15	247.43	734.58	9.9
14555.00	137.91	750.00	125.00	137.91	.00	.01	0	426.93	170.88	597.80	.2
14555.00	139.31	1350.00	125.00	139.31	.00	.03	1.39	538.00	163.47	701.47	.4
14555.00	139.75	1750.00	125.00	139.75	.00	.04	.44	564.66	161.27	725.93	.5
14555.00	140.72	3070.00	125.00	140.73	.01	.09	.97	605.97	148.46	754.43	.9
14560.00	137.91	750.00	125.00	137.91	.00	.01	0	427.16	170.81	597.97	.2
14560.00	139.31	1350.00	125.00	139.31	.00	.03	1.39	538.17	163.45	701.63	.4
14560.00	139.75	1750.00	125.00	139.75	.00	.04	.44	564.84	161.25	726.09	.5
14560.00	140.72	3070.00	125.00	140.73	.01	.09	.97	606.09	148.41	754.49	.9
14570.00	137.91	750.00	125.00	137.91	.00	.01	0	427.16	170.81	597.97	.2
14570.00	139.31	1350.00	125.00	139.31	.00	.03	1.39	538.18	163.45	701.63	.4
14570.00	139.75	1750.00	125.00	139.75	.00	.04	.44	564.84	161.25	726.09	.5
14570.00	140.72	3070.00	125.00	140.73	.01	.09	.97	606.09	148.40	754.50	.9
15000.00	137.91	750.00	125.00	137.91	.00	.01	0	427.18	170.81	597.99	.2
15000.00	139.31	1350.00	125.00	139.31	.00	.03	1.39	538.25	163.45	701.70	.4
15000.00	139.75	1750.00	125.00	139.75	.00	.04	.44	564.95	161.24	726.19	.5
15000.00	140.73	3070.00	125.00	140.74	.01	.09	.98	606.25	148.34	754.58	.9
15500.00	137.91	750.00	129.50	137.92	.00	.08	0	386.80	330.60	717.40	.5
15500.00	139.31	1350.00	129.50	139.32	.01	.14	1.39	651.99	17.20	739.68	.8
15500.00	139.75	1750.00	129.50	139.76	.01	.19	.44	679.59	6.16	746.30	1.0
15500.00	140.72	3070.00	129.50	140.75	.03	.41	.98	715.18	0	750.00	1.5
16100.00	137.92	750.00	131.00	137.92	.00	.08	0	552.87	25.97	578.84	.3
16100.00	139.32	1350.00	131.00	139.32	.00	.14	1.40	607.67	8.54	616.21	.4
16100.00	139.77	1750.00	131.00	139.77	.00	.19	.45	625.42	2.99	628.41	.5
16100.00	140.77	3070.00	131.00	140.78	.01	.39	1.00	635.00	0	635.00	.8
16500.00	137.92	750.00	131.00	137.93	.00	.22	0	398.15	45.93	444.07	.5
16500.00	139.33	1350.00	131.00	139.33	.01	.35	1.40	436.36	15.25	451.61	.7
16500.00	139.78	1750.00	131.00	139.79	.01	.49	.45	448.62	5.22	453.84	.8
16500.00	140.79	3070.00	131.00	140.81	.02	.99	1.01	455.00	0	455.00	1.3
17000.00	137.93	750.00	131.00	137.94	.00	.11	0	443.83	10.33	454.17	.3
17000.00	139.34	1350.00	131.00	139.35	.00	.19	1.41	468.35	3.33	471.68	.5
17000.00	139.80	1750.00	131.00	139.81	.01	.26	.46	476.37	1.04	477.41	.6
17000.00	140.83	3070.00	131.00	140.85	.01	.54	1.03	480.00	0	480.00	1.0
* 18000.00	140.59	750.00	138.40	141.12	.53	669.30	0	148.34	44.94	273.96	9.9
* 18000.00	141.12	1350.00	138.40	141.83	.71	634.93	.53	168.98	39.54	283.09	11.8
* 18000.00	141.40	1750.00	138.40	142.22	.82	629.79	.28	179.98	36.66	287.96	12.8
* 18000.00	142.21	3070.00	138.40	143.26	1.04	569.60	.81	210.60	28.41	301.02	14.9

THE ABOVE IS FOR ALL SUNDRIES

SECNO	CWSEL	Q	ELMIN	EQ	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
18500.00	143.75	750.00	139.40	143.79	.04	17.30	0	227.36	22.86	305.96	2.9
18500.00	144.78	1350.00	139.40	144.84	.06	19.95	1.04	259.02	12.38	315.31	3.6
18500.00	145.33	1750.00	139.40	145.40	.07	21.18	.55	275.81	6.83	320.27	4.0
18500.00	146.70	3070.00	139.40	146.80	.11	24.45	1.37	310.77	0	332.69	5.0
19000.00	144.52	650.00	140.30	144.57	.05	13.89	0	314.40	86.23	400.63	2.5
19000.00	145.62	1270.00	140.30	145.67	.06	13.90	1.09	358.56	68.04	426.60	3.0
19000.00	146.18	1650.00	140.30	146.24	.06	13.42	.56	381.60	58.56	440.16	3.2
19000.00	147.62	2950.00	140.30	147.70	.08	13.52	1.44	400.00	50.00	458.00	3.8
19550.00	145.37	650.00	141.30	145.42	.06	17.38	0	304.16	88.78	392.94	2.7
19550.00	146.45	1270.00	141.30	146.51	.07	16.70	1.08	351.66	70.89	422.54	3.2
19550.00	146.98	1650.00	141.30	147.05	.07	16.27	.54	373.32	61.97	435.29	3.4
19550.00	148.42	2950.00	141.30	148.50	.09	15.69	1.43	400.00	50.00	450.00	4.0
* 19750.00	145.41	650.00	142.00	146.76	1.35	26.27	0	25.89	186.21	212.10	9.3
* 19750.00	147.26	1270.00	142.00	148.34	1.07	15.17	1.86	153.39	184.15	395.26	8.9
* 19750.00	147.75	1650.00	142.00	148.92	1.17	15.99	.49	167.20	183.61	405.05	9.6
* 19750.00	148.99	2950.00	142.00	150.36	1.38	17.75	1.23	204.41	182.24	434.64	11.2
* 19810.00	161.15	650.00	158.70	162.34	1.19	28.70	0	31.16	184.42	215.57	8.7
* 19810.00	163.43	1270.00	158.70	164.22	.79	9.91	2.28	429.59	163.82	593.41	7.6
* 19810.00	163.88	1650.00	158.70	164.61	.73	9.29	.45	537.64	147.47	685.11	7.8
* 19810.00	164.65	2950.00	158.70	165.50	.85	11.34	.77	622.64	123.55	746.18	9.5
19815.00	162.58	650.00	142.00	162.58	.00	.00	0	747.46	111.27	858.73	.0
19815.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.12	81.53	885.65	.1
19815.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.27	73.04	891.31	.1
19815.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.41	52.55	904.96	.2
19816.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19816.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
19816.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19816.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2
19818.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19818.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
19818.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19818.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2
19820.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19820.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
19820.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19820.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2
19830.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19830.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
19830.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19830.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2
19850.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19850.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
19850.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19850.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2

SECNO	CHSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
19900.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
19900.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.91	885.66	.1
19900.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.03	891.32	.1
19900.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.43	52.54	904.97	.2
20500.00	162.58	650.00	142.00	162.58	.00	.00	0	747.51	111.25	858.75	.0
20500.00	164.38	1270.00	142.00	164.38	.00	.00	1.79	804.14	81.51	885.66	.1
20500.00	164.75	1650.00	142.00	164.75	.00	.00	.38	818.29	73.02	891.32	.1
20500.00	165.66	2950.00	142.00	165.67	.00	.00	.91	852.44	52.54	904.98	.2

FLOOD INSURANCE ZONE DATA FOR LITTLE CROSS CR ABOVE PA

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10P	2P	0.2P
14445.000	0	2.6	.9	2.5
14545.000	100.	2.4	.5	.9
14555.000	110.	1.8	.4	1.0
14560.000	115.	1.8	.4	1.0
14570.000	125.	1.8	.4	1.0
15000.000	580.	1.8	.4	1.0
15500.000	1080.	1.8	.4	1.0
16100.000	1680.	1.8	.4	1.0
16500.000	2080.	1.9	.4	1.0
17000.000	2580.	1.9	.5	1.0
18000.000	3580.	.8	.3	.8
18500.000	4080.	1.6	.5	1.4
19000.000	4580.	1.7	.6	1.4
19550.000	5130.	1.6	.5	1.4
19750.000	5330.	2.3	.5	1.2
19810.000	5390.	2.7	.4	.8
19815.000	5395.	2.2	.4	.9
19816.000	5396.	2.2	.4	.9
19818.000	5398.	2.2	.4	.9
19820.000	5400.	2.2	.4	.9
19830.000	5410.	2.2	.4	.9
19850.000	5430.	2.2	.4	.9
19900.000	5480.	2.2	.4	.9
20500.000	6080.	2.2	.4	.9

WEIGHTED AVG FOR REACH -1.7 .4 1.1

FHF FOR THE REACH = 015 WITH 89.1% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 3

- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 2 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 4 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 14545.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 18000.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 18000.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	18000.00	PROFILE#	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19750.00	PROFILE#	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19810.00	PROFILE#	4	20 TRIALS REQUIRED TO BALANCE WSEL

F/W
10/4/76

SUMMARY PRINTOUT
LITTLE CROSS CR ABOVE PA

SECNO	CWSEL	Q	ELMIN	EQ	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
14445.00	135.30	1750.00	125.20	135.35	.05	10.40	0	245.00	434.21	679.20	2.2
14445.10	136.30	1750.00	125.20	136.38	.08	12.94	1.00	125.49	432.51	558.00	2.6
* 14545.00	138.69	1750.00	133.40	139.58	.88	11.48	0	338.82	300.22	718.32	8.5
* 14545.00	138.70	1750.00	133.40	139.58	.88	11.45	.00	339.04	300.22	718.36	8.5
14555.00	139.75	1750.00	125.00	139.75	.00	.04	0	564.66	161.27	725.93	.5
14555.00	139.75	1750.00	125.00	139.75	.00	.04	-.00	564.63	161.27	725.90	.5
14560.00	139.75	1750.00	125.00	139.75	.00	.04	0	564.83	161.25	726.09	.5
14560.00	139.75	1750.00	125.00	139.75	.00	.04	-.00	564.80	161.25	726.06	.5
14570.00	139.75	1750.00	125.00	139.75	.00	.04	0	564.84	161.25	726.09	.5
14570.00	139.75	1750.00	125.00	139.75	.00	.04	-.00	564.81	161.25	726.06	.5
15000.00	139.75	1750.00	125.00	139.75	.00	.04	0	564.94	161.24	726.19	.5
15000.00	139.75	1750.00	125.00	139.75	.00	.04	-.00	564.91	161.25	726.16	.5
15500.00	139.75	1750.00	129.50	139.76	.01	.19	0	679.58	6.17	746.30	1.0
15500.00	139.75	1750.00	129.50	139.76	.01	.19	-.00	679.55	6.18	746.29	1.0
16100.00	139.77	1750.00	131.00	139.77	.00	.19	0	625.41	3.00	628.41	.5
16100.00	139.77	1750.00	131.00	139.78	.01	.30	-.00	300.00	157.90	457.50	.6
16500.00	139.78	1750.00	131.00	139.79	.01	.49	0	448.62	5.22	453.84	.8
16500.00	139.78	1750.00	131.00	139.79	.01	.58	.00	300.00	57.50	357.50	.9
17000.00	139.80	1750.00	131.00	139.81	.01	.26	0	476.37	1.04	477.41	.6
17000.00	139.81	1750.00	131.00	139.82	.01	.35	.01	308.00	60.00	360.00	.7
* 18000.00	141.40	1750.00	138.40	142.22	.82	629.79	0	179.98	36.66	287.96	12.8
* 18000.00	141.91	1750.00	138.40	142.87	.96	521.79	.50	146.15	85.00	296.66	13.3
18500.00	145.33	1750.00	139.40	145.40	.07	21.18	0	275.81	6.83	320.27	4.0
18500.00	146.06	1750.00	139.40	146.15	.10	22.71	.73	212.61	85.00	326.88	4.5
19000.00	146.18	1650.00	140.30	146.24	.06	13.42	0	381.60	58.56	440.16	3.2
19000.00	146.81	1650.00	140.30	146.86	.05	9.20	.63	300.00	56.50	356.50	2.8
19550.00	146.98	1650.00	141.30	147.05	.07	16.27	0	373.32	61.97	435.29	3.4
19550.00	147.39	1650.00	141.30	147.46	.06	12.80	.41	300.00	56.50	356.50	3.2
* 19750.00	147.75	1650.00	142.00	148.92	1.17	15.99	0	167.20	183.61	405.05	9.6
* 19750.00	147.73	1650.00	142.00	148.92	1.19	16.40	-.03	166.43	183.64	404.51	9.7
* 19810.00	163.88	1650.00	158.70	164.61	.73	9.29	0	537.64	147.47	685.11	7.8
* 19810.00	163.88	1650.00	158.70	164.61	.73	9.28	.00	537.69	147.46	685.15	7.8
19815.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.27	73.04	891.31	.1
19815.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.27	73.04	891.31	.1
19816.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19816.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
19818.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19818.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1
19820.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19820.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1
19830.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19830.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1
19850.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19850.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1
19900.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.03	891.32	.1
19900.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.31	.1
20500.00	164.75	1650.00	142.00	164.75	.00	.00	0	818.29	73.02	891.32	.1
20500.00	164.75	1650.00	142.00	164.75	.00	.00	-.00	818.29	73.03	891.32	.1

FLOODWAY DATA, LITTLE CROSS CR ABOVE PA
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
14445.000	125.	922.	1.9	136.3	135.3	1.0
14545.000	339.	444.	3.9	138.7	138.7	.0
14555.000	565.	4226.	.4	139.7	139.7	-.0
14560.000	565.	4227.	.4	139.7	139.7	-.0
14570.000	565.	4227.	.4	139.7	139.7	-.0
15000.000	565.	4228.	.4	139.7	139.7	-.0
15500.000	680.	3234.	.5	139.7	139.7	-.0
16100.000	300.	2628.	.7	139.8	139.8	-.0
16500.000	300.	2349.	.7	139.8	139.8	.0
17000.000	300.	2623.	.7	139.8	139.8	.0
18000.000	146.	282.	6.2	141.9	141.4	.5
18500.000	213.	849.	2.1	146.1	145.3	.7
19000.000	300.	1202.	1.4	146.8	146.2	.6
19550.000	300.	1077.	1.5	147.4	147.0	.4
19750.000	166.	331.	5.0	147.7	147.8	-.0
19810.000	538.	597.	2.8	163.9	163.9	.0
19815.000	818.	12446.	.1	164.8	164.8	-.0
19816.000	818.	12447.	.1	164.8	164.8	-.0
19818.000	818.	12447.	.1	164.8	164.8	-.0
19820.000	818.	12447.	.1	164.8	164.8	-.0
19830.000	818.	12447.	.1	164.8	164.8	-.0
19850.000	818.	12447.	.1	164.8	164.8	-.0
19900.000	818.	12447.	.1	164.8	164.8	-.0
20500.000	818.	12447.	.1	164.8	164.8	-.0

SUMMARY PRINTOUT

LITTLE CROSS CR ABOVE PA

SECNO	CWSEL	EG	WSELK	TOPWID	QLOB	OCH	OROB	PERENC	STENCL	STCHL	STCHR
14445.00	135.30	135.35	135.30	245.00	0	895.68	854.32	0	0	432.00	484.0
14445.00	136.30	136.38	135.30	125.49	0	1192.42	557.58	200.00	358.00	432.00	484.0
* 14545.00	138.69	139.58	0	338.82	0	1356.54	393.46	0	0	300.00	335.0
* 14545.00	138.70	139.58	138.69	339.04	0	1355.89	394.11	4000.00	.01	300.00	335.0
14555.00	139.75	139.75	0	564.66	38.65	1618.88	92.47	0	0	250.00	450.0
14555.00	139.75	139.75	139.75	564.63	38.65	1618.89	92.46	4000.00	.01	250.00	450.0
14560.00	139.75	139.75	0	564.83	38.67	1618.82	92.51	0	0	250.00	450.0
14560.00	139.75	139.75	139.75	564.80	38.66	1618.83	92.51	4000.00	.01	250.00	450.0
14570.00	139.75	139.75	0	564.84	38.67	1618.82	92.52	0	0	250.00	450.0
14570.00	139.75	139.75	139.75	564.81	38.67	1618.83	92.51	4000.00	.01	250.00	450.0
15000.00	139.75	139.75	0	564.94	38.68	1618.77	92.54	0	0	250.00	450.0
15000.00	139.75	139.75	139.75	564.91	38.68	1618.79	92.54	4000.00	.01	250.00	450.0
15500.00	139.75	139.76	0	679.58	138.95	1366.03	245.02	0	0	400.00	530.0
15500.00	139.75	139.76	139.75	679.55	138.94	1366.05	245.02	4000.00	.01	400.00	530.0
16100.00	139.77	139.77	0	625.41	116.51	1513.32	120.17	0	0	150.00	465.0
16100.00	139.77	139.78	139.77	300.00	0	1750.00	0	300.00	157.50	150.00	465.0
16500.00	139.78	139.79	0	448.62	148.30	1278.78	322.92	0	0	125.00	290.0
16500.00	139.78	139.79	139.78	300.00	151.32	1391.81	206.87	300.00	57.50	125.00	290.0
17000.00	139.80	139.81	0	476.37	162.68	1369.70	217.62	0	0	90.00	330.0
17000.00	139.81	139.82	139.80	300.00	79.84	1590.32	79.84	300.00	60.00	90.00	330.0
* 18000.00	141.40	142.22	0	179.98	1165.92	299.55	284.52	0	0	230.00	240.0
* 18000.00	141.91	142.87	141.40	146.15	952.91	378.19	418.90	300.00	85.00	230.00	240.0
18500.00	145.33	145.40	0	275.81	1122.62	213.57	413.81	0	0	230.00	240.0
18500.00	146.06	146.15	145.33	212.61	893.21	274.40	582.39	300.00	85.00	230.00	240.0
19000.00	146.18	146.24	0	381.60	537.00	454.96	658.04	0	0	193.00	220.0
19000.00	146.81	146.86	146.18	300.00	583.23	454.79	611.99	300.00	56.50	193.00	220.0
19550.00	146.98	147.05	0	373.32	537.55	468.45	644.00	0	0	193.00	220.0
19550.00	147.39	147.46	146.98	300.00	575.04	473.77	601.20	300.00	56.50	193.00	220.0
* 19750.00	147.75	148.92	0	167.20	0	1335.79	314.21	0	0	165.00	230.0
* 19750.00	147.73	148.92	147.75	166.43	0	1340.61	309.39	4000.00	.01	165.00	230.0
* 19810.00	163.88	164.61	0	537.64	10.73	1258.04	381.24	0	0	184.00	216.0
* 19810.00	163.88	164.61	163.88	537.69	10.74	1257.91	381.36	4000.00	.01	184.00	216.0
19815.00	164.75	164.75	0	818.27	3.29	1645.45	1.25	0	0	160.00	840.0
19815.00	164.75	164.75	164.75	818.27	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
19816.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19816.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0

SECNO	CWSEL	EG	WSELK	TOPWID	QLOB	QCH	QROH	PERENC	STENCL	STCHL	STCHR
19818.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19818.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
19820.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19820.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
19830.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19830.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
19850.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19850.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
19900.00	164.75	164.75	0	818.29	3.29	1645.45	1.25	0	0	160.00	840.0
19900.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0
20500.00	164.75	164.75	0	818.29	3.30	1645.45	1.25	0	0	160.00	840.0
20500.00	164.75	164.75	164.75	818.29	3.29	1645.45	1.25	4000.00	.01	160.00	840.0

POSSIBLE ERROR	SECNO=	14545.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	14545.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	14545.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	14545.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19750.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19750.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19750.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19750.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19810.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19810.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19810.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19810.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL

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

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

C
T1 FPMS BR FAYETTEVILLE NC FIS
T2 100 YR NATURAL
T3 LITTLE CROSS CR ABOVE PAMALEE RD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FO
	-1.	2.	-0	0	-0	0	-0	0	135,300	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	-0	-1,000	0	-0	-0	-0	-0	-0	15,000
J3	-2,000	1,000	43,000	42,000	3,000	10,000	5,000	50,000	4,000	53,000
J3	54,000	26,000	0	200,000	110,000	-0	0	-0	-0	-0
QT	7,000	1750,000	1750,000	1750,000	1750,000	750,000	1350,000	3070,000	-0	-0
ET	-0	0	200,200	-0	0	-0	0	-0	-0	-0
NC	,150	,150	,080	,200	,400	-0	-0	-0	-0	-0

*** PAMELEE RD. ***

X1	14445,000	20,000	432,000	484,000	0	0	0	-0	-0	-0
GR	160,000	50,000	150,600	206,000	145,900	254,000	141,800	327,000	136,600	432,000
GR	126,000	450,000	125,700	452,000	125,200	459,000	125,500	463,000	125,400	468,000
GR	125,800	479,000	129,600	484,000	130,200	570,000	131,500	658,000	129,800	668,000
GR	140,600	690,000	142,000	752,000	140,900	778,000	155,200	899,000	160,000	1010,000
NC	,040	,040	,015	0	0	-0	0	-0	-0	-0
ET	-0	0	4000,200	0	0	-0	0	-0	-0	-0

X1	14545,000	18,000	300,000	335,000	100,000	100,000	100,000	-0	-0	-0
GR	147,000	100,000	143,200	150,000	141,000	200,000	139,500	250,000	139,000	300,000
GR	133,400	304,000	133,400	316,000	133,400	329,000	138,400	335,000	138,800	350,000
GR	139,100	400,000	138,300	450,000	138,300	500,000	137,400	550,000	137,300	600,000
GR	137,100	650,000	137,700	700,000	139,600	735,000	0	-0	-0	-0
NC	,100	,100	,030	-0	0	-0	0	-0	-0	-0

*** MINTZ POND ***

X1	14555,000	21,000	250,000	450,000	10,000	10,000	10,000	-0	-0	-0
GR	150,000	0	140,000	160,000	138,000	170,000	136,000	190,000	134,000	225,000
GR	132,000	240,000	130,000	250,000	127,000	280,000	125,000	430,000	130,000	450,000
GR	132,000	490,000	134,000	530,000	136,000	550,000	138,000	600,000	138,200	640,000
GR	140,000	740,000	142,000	780,000	144,000	800,000	146,000	825,000	148,000	875,000
GR	150,000	890,000	-0	0	0	-0	0	-0	-0	-0

X1	14560,000	0	-0	-0	5,000	5,000	5,000	-0	-0	-0
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X1	14570,000	0	-0	-0	10,000	10,000	10,000	-0	-0	-0
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X1	15000,000	0	-0	-0	455,000	455,000	455,000	-0	-0	-0
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X1	15500,000	20,000	400,000	530,000	500,000	500,000	500,000	-0	-0	-0
GR	140,000	0	138,000	50,000	138,000	230,000	140,000	255,000	142,000	280,000
GR	140,000	310,000	138,000	330,000	136,000	345,000	134,000	370,000	132,000	375,000
GR	130,000	385,000	129,500	400,000	129,500	510,000	130,000	530,000	130,000	540,000

GR	132.000	580.000	134.000	620.000	130.000	655.000	138.000	720.000	140.000	750.000
ET	-0	-0	300.200	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.050	-0	-0	-0	-0	-0	-0	-0
X1	16100.000	12.000	150.000	465.000	600.000	600.000	600.000	-0	-0	-0
GR	140.000	0	138.000	25.000	136.000	50.000	134.000	130.000	132.000	140.000
GR	131.000	150.000	131.000	465.000	132.000	480.000	134.000	500.000	136.000	550.000
GR	138.000	580.000	140.000	635.000	-0	-0	-0	-0	-0	-0

X1	16500.000	12.000	125.000	290.000	400.000	400.000	400.000	-0	-0	-0
GR	140.000	0	138.000	45.000	136.000	70.000	134.000	90.000	132.000	110.000
GR	131.000	125.000	131.000	290.000	132.000	310.000	134.000	385.000	136.000	420.000
GR	138.000	445.000	140.000	455.000	-0	-0	-0	-0	-0	-0

X1	17000.000	12.000	90.000	330.000	500.000	500.000	500.000	-0	-0	-0
GR	140.000	0	138.000	10.000	136.000	20.000	134.000	30.000	132.000	40.000
GR	131.000	90.000	131.000	330.000	132.000	380.000	134.000	410.000	136.000	430.000
GR	138.000	455.000	140.000	480.000	-0	-0	-0	-0	-0	-0

X1	18000.000	17.000	230.000	240.000	1000.000	1000.000	1000.000	-0	-0	-0
GR	145.000	0	139.700	54.000	138.800	58.000	138.900	60.000	139.900	90.000
GR	139.700	95.000	138.400	100.000	138.800	105.000	140.400	110.000	147.600	150.000
GR	139.200	200.000	139.700	230.000	138.500	235.000	139.600	240.000	139.200	250.000
GR	142.100	300.000	147.600	350.000	-0	-0	-0	-0	-0	-0

X1	18500.000	-0	-0	-0	500.000	500.000	500.000	-0	1.000	-0
DT	7.000	1650.000	1650.000	1650.000	1650.000	650.000	1270.000	2950.000	-0	-0

X1	19000.000	15.000	193.000	220.000	500.000	500.000	500.000	-0	-1.000	-0
GR	147.700	50.000	144.700	100.000	143.000	153.000	141.800	163.000	142.300	173.000
GR	143.100	193.000	142.300	195.000	141.300	200.000	142.200	215.000	143.000	220.000
GR	143.700	250.000	143.700	300.000	144.600	350.000	145.500	400.000	147.600	450.000

X1	19550.000	-0	-0	-0	550.000	550.000	550.000	-0	1.000	-0
NC	.050	.050	.015	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	4000.200	-0	-0	-0	-0	-0	-0	-0

***KORNBOW LAKE ***

X1	19750.000	23.000	165.000	230.000	200.000	100.000	200.000	-0	-0	-0
GR	170.000	0	168.000	35.000	166.000	85.000	164.000	140.000	162.000	165.000
GR	160.000	170.000	142.000	190.000	142.000	205.000	154.000	230.000	156.000	233.000
GR	156.000	255.000	150.000	265.000	148.000	270.000	146.000	280.000	146.000	370.000
GR	148.000	410.000	150.000	460.000	152.000	470.000	154.000	480.000	156.000	510.000
GR	158.000	690.000	160.000	710.000	170.000	930.000	-0	-0	-0	-0

X1	19810.000	20.000	184.000	216.000	60.000	60.000	60.000	-0	-0	-0
GR	167.800	50.000	165.400	100.000	163.800	150.000	162.900	184.000	158.700	185.000
GR	158.700	200.000	158.800	215.000	162.900	216.000	162.900	250.000	162.700	300.000
GR	162.800	350.000	162.800	400.000	162.600	450.000	162.800	500.000	163.000	550.000
GR	163.500	600.000	163.600	650.000	164.000	700.000	164.700	750.000	165.400	800.000
NC	.080	.080	.030	-0	-0	-0	-0	-0	-0	-0

X1	19815.000	14.000	160.000	840.000	5.000	5.000	5.000	-0	-0	-0
GR	170.000	0	168.000	20.000	166.000	45.000	164.000	90.000	162.000	120.000
GR	160.000	160.000	142.000	320.000	142.000	630.000	160.000	840.000	162.000	850.000

X1	19816.000	-0	-0	-0	1.000	1.000	1.000	-0	-0	-0
X1	19816.000	-0	-0	-0	2.000	2.000	2.000	-0	-0	-0
X1	19820.000	-0	-0	-0	2.000	2.000	2.000	-0	-0	-0
X1	19830.000	-0	-0	-0	10.000	10.000	10.000	-0	-0	-0
X1	19850.000	-0	-0	-0	20.000	20.000	20.000	-0	-0	-0
X1	19900.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X1	20500.000	-0	-0	-0	600.000	600.000	600.000	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 FLOODWAY STUDY FLOODWAYS
 T3 LITTLE CROSS CR ABOVE PAMALEE RD

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	-0	-0	-0	-0	-0	-0	136.300	-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 14445.000

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

3470 ENCROACHMENT STATIONS= 358.0 558.0 TYPE= 2 TARGET= 200.000

*** PAMELEE RD. ***

14445.00	11.10	136.30	0	135.30	136.38	.08	0	0	136.60
1750.	0	1192.	558.	0	446.	477.	0	0	129.60
0	0	2.68	1.17	.150	.080	.150	0	125.20	432.51
.001294	0	0	0	0	0	1	0	125.49	558.00

FLOW DISTRIBUTION

STA#	433.	484.	558.
PER D#	68.1	31.9	
AREA#	445.7	476.7	
VEL#	2.7	1.2	

*SECNO 14545.000
 3685 20 TRIALS USED WSEL,CHSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CHSEL	CRISW	WSELK	EG	HV	HL	LOSS	BANK ELEV
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F/W
10/4/76

SUMMARY PRINTOUT
LITTLE CROSS CR ABOVE G

SECNO	CHSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
6500.00	117.70	1850.00	112.20	117.72	.02	10.26	0	467.36	853.00	1320.36	1.8
6500.00	118.70	1850.00	112.20	118.72	.02	8.01	1.00	336.10	991.50	1327.60	1.8
6600.00	117.80	1850.00	112.20	117.82	.02	9.52	0	469.04	851.97	1321.02	1.7
6600.00	118.78	1850.00	112.20	118.80	.02	7.65	.98	336.69	991.50	1328.19	1.7
7550.00	118.84	1850.00	110.20	118.86	.02	12.82	0	620.77	553.68	1174.45	2.1
7550.00	119.72	1850.00	110.20	119.75	.03	13.61	.88	379.34	527.66	907.00	2.4
8550.00	120.64	1850.00	113.70	120.69	.05	27.75	0	384.91	460.72	845.63	2.9
8550.00	121.26	1850.00	113.70	121.30	.04	17.60	.62	347.99	503.00	850.99	2.5
9650.00	123.47	1850.00	116.70	123.52	.05	23.88	0	340.82	648.42	989.24	2.9
9650.00	123.50	1850.00	116.70	123.56	.06	24.08	.03	283.90	705.50	989.40	2.9
10650.00	125.51	1850.00	117.80	125.55	.04	17.45	0	425.18	374.86	800.03	2.7
10650.00	125.55	1850.00	117.80	125.59	.04	17.42	.04	350.00	436.50	786.50	2.7
11950.00	127.14	1850.00	120.70	127.16	.02	9.16	0	691.44	411.35	1102.79	1.8
11950.00	127.43	1850.00	120.70	127.45	.03	11.93	.28	350.00	639.50	989.50	2.1
13250.00	129.31	1850.00	123.60	129.36	.06	40.44	0	289.15	331.51	620.66	3.4
13250.00	129.73	1850.00	123.60	129.77	.05	29.26	.42	292.82	330.50	623.32	3.1
14320.00	133.20	1850.00	123.10	133.32	.12	33.48	0	255.11	428.39	683.50	3.3
14320.00	133.10	1850.00	123.10	133.23	.12	35.12	-.10	212.03	429.97	642.00	3.4
14330.00	132.59	1850.00	124.70	133.85	1.26	282.15	0	26.00	450.00	476.00	9.0
14330.00	132.47	1850.00	124.70	133.77	1.30	293.57	-.11	26.00	450.00	476.00	9.1
14380.00	135.31	1850.00	124.70	136.01	.70	123.75	0	26.00	450.00	476.00	6.7
14380.00	135.18	1850.00	124.70	135.90	.71	127.90	-.13	26.00	450.00	476.00	6.7
14445.00	136.23	1850.00	125.20	136.26	.04	7.37	0	248.46	432.63	681.09	2.0
14445.00	136.13	1850.00	125.20	136.18	.05	9.43	-.10	200.20	432.80	633.00	2.2

FLOODWAY DATA, LITTLE CROSS CR ABOVE G
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6500.000	336.	1863.	1.0	118.7	117.7	1.0
6600.000	337.	1890.	1.0	118.8	117.8	1.0
7550.000	379.	1645.	1.1	119.7	118.8	.9
8550.000	348.	1477.	1.3	121.3	120.6	.6
9650.000	284.	1199.	1.5	123.5	123.5	.0
10650.000	350.	1416.	1.3	125.6	125.5	.0
11950.000	350.	1682.	1.1	127.4	127.1	.3
13250.000	293.	1208.	1.5	129.7	129.3	.4
14320.000	212.	863.	2.1	133.1	133.2	-.1
14330.000	26.	202.	9.1	132.5	132.6	-.1
14380.000	26.	273.	6.8	135.2	135.3	-.1
14445.000	200.	1317.	1.4	136.1	136.2	-.1

C
14330
14380

SUMMARY PRINTOUT

LITTLE CROSS CR ABOVE G

SECNO	CHSEL	EG	WSELK	TOPWID	QLOH	QCH	QROH	PERENC	STENCL	STCHL	STCHR
6500.00	117.70	117.72	117.70	467.36	1094.14	348.73	407.13	0	0	1174.00	1209.0
6500.00	118.70	118.72	117.70	336.10	937.41	408.48	504.12	400.00	991.50	1174.00	1209.0
6600.00	117.80	117.82	0	469.04	1096.52	346.59	406.90	0	0	1174.00	1209.0
6600.00	118.78	118.80	117.80	336.69	937.29	407.62	505.09	400.00	991.50	1174.00	1209.0
7550.00	118.84	118.86	0	620.77	259.74	239.68	1350.57	0	0	699.00	715.0
7550.00	119.72	119.75	118.84	379.34	427.56	301.90	1120.54	400.00	507.00	699.00	715.0
8550.00	120.64	120.69	0	384.91	913.82	455.39	480.79	0	0	689.00	717.0
8550.00	121.26	121.30	120.64	347.99	909.67	433.75	506.58	400.00	503.00	689.00	717.0
9650.00	123.47	123.52	0	340.82	1025.89	504.69	319.42	0	0	891.00	920.0
9650.00	123.50	123.56	123.47	283.90	1016.44	509.96	323.60	400.00	705.50	891.00	920.0
10650.00	125.51	125.55	0	425.18	843.01	438.59	568.40	0	0	600.00	623.0
10650.00	125.55	125.59	125.51	350.00	828.65	443.70	577.65	350.00	436.50	600.00	623.0
11950.00	127.14	127.16	0	691.44	515.63	317.21	1017.16	0	0	800.00	829.0
11950.00	127.43	127.45	127.14	350.00	514.56	391.12	944.32	350.00	639.50	800.00	829.0
13250.00	129.31	129.36	0	289.15	770.61	195.18	884.20	0	0	500.00	511.0
13250.00	129.73	129.77	129.31	292.82	793.93	189.37	866.69	350.00	330.50	500.00	511.0
14320.00	133.20	133.32	0	255.11	12.13	1122.72	715.15	0	0	440.00	494.0
14320.00	133.10	133.23	133.20	212.03	11.24	1120.95	717.81	350.00	292.00	440.00	494.0
14330.00	132.59	133.85	0	26.00	0	1850.00	0	0	0	450.00	480.0
14330.00	132.47	133.77	132.59	26.00	0	1850.00	0	350.00	290.00	450.00	480.0
14380.00	135.31	136.01	0	26.00	0	1850.00	0	0	0	450.00	480.0
14380.00	135.18	135.90	135.31	26.00	0	1850.00	0	350.00	290.00	450.00	480.0
14445.00	136.23	136.26	0	248.46	0	888.94	961.06	0	0	432.00	484.0
14445.00	136.13	136.18	136.23	200.20	0	988.99	861.01	350.00	283.00	432.00	484.0

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

- 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. $\text{TRAPEZOID}/\text{AREA}$ IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. $\text{TRAPEZOID}/\text{AREA}$ SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE AFFECTED.
- (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).

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 100 YR NATURAL
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1,	2,	-0	-0	-0	-0	-0	-0	117.700	-0
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	15.000
J3	-2,000	1,000	43,000	42,000	3,000	10,000	5,000	50,000	4,000	53,000
J3	54,000	26,000	0	200,000	110,000	-0	-0	-0	-0	-0
OT	7,000	1850,000	1850,000	1850,000	1850,000	760,000	1450,000	3250,000	-0	-0
ET	-0	0	400,200	-0	-0	-0	-0	-0	-0	-0
NC	.150	.150	.080	.200	.400	-0	-0	-0	-0	-0
X1	6500,000	29,000	1174,000	1209,000	0	0	0	0	0	-0
GR	140,000	0	138,000	10,000	136,000	30,000	134,000	100,000	132,000	190,000
GR	130,000	230,000	128,000	280,000	126,000	365,000	126,000	420,000	128,000	480,000
GR	128,000	630,000	126,000	675,000	124,000	710,000	122,000	745,000	120,000	780,000
GR	118,000	850,000	116,000	870,000	114,000	920,000	112,300	1174,000	112,200	1182,000
GR	112,300	1200,000	112,400	1209,000	112,300	1223,000	112,400	1250,000	112,900	1260,000
GR	114,200	1298,000	117,600	1321,000	123,800	1365,000	140,000	1500,000	-0	-0
X1	6600,000	0	0	0	100,000	100,000	100,000	1,000	0	-0
X1	7550,000	40,000	699,000	715,000	950,000	950,000	950,000	0	0	-0
GR	146,000	30,000	144,000	175,000	142,000	230,000	140,000	280,000	138,000	305,000
GR	130,000	390,000	126,000	430,000	128,000	440,000	122,000	490,000	119,400	533,000
GR	119,000	550,000	115,700	627,000	115,600	670,000	114,300	699,000	114,000	700,000
GR	112,700	702,000	110,800	706,000	110,200	708,000	110,600	711,000	111,800	712,000
GR	114,100	714,000	114,300	715,000	114,100	736,000	114,700	853,000	114,600	902,000
GR	114,100	906,000	114,600	910,000	114,800	913,000	114,300	997,000	115,600	1029,000
GR	118,000	1086,000	119,000	1191,000	126,900	1237,000	128,000	1240,000	132,000	1280,000
GR	134,000	1310,000	136,000	1340,000	138,000	1360,000	140,000	1390,000	150,000	1445,000
X1	8550,000	28,000	689,000	717,000	1000,000	1000,000	1000,000	0	0	-0
GR	150,000	0	140,000	120,000	130,000	240,000	128,000	280,000	126,000	340,000
GR	124,000	385,000	122,000	430,000	120,000	475,000	118,000	515,000	115,600	683,000
GR	116,200	689,000	115,800	697,000	115,300	700,000	113,700	703,000	114,700	709,000
GR	114,800	709,000	115,300	716,000	116,200	717,000	117,900	822,000	128,200	911,000
GR	139,600	1009,000	142,000	1070,000	144,000	1080,000	146,000	1105,000	146,000	1210,000
GR	147,500	1365,000	148,000	1435,000	150,000	1445,000	-0	-0	-0	-0
X1	9650,000	40,000	891,000	920,000	1100,000	1100,000	1100,000	0	0	-0
GR	160,000	10,000	148,000	140,000	146,000	170,000	144,000	240,000	140,000	310,000
GR	138,000	325,000	136,000	350,000	134,000	380,000	132,000	420,000	130,000	440,000
GR	128,000	495,000	126,000	555,000	124,000	630,000	122,000	700,000	120,000	765,000
GR	118,300	841,000	117,800	846,000	116,700	846,000	116,900	853,000	117,800	863,000
GR	118,200	891,000	117,600	900,000	116,800	907,000	117,700	915,000	118,400	920,000
GR	118,600	951,000	119,600	961,000	122,600	983,000	129,600	1033,000	135,500	1055,000
GR	135,800	1089,000	138,000	1125,000	140,000	1145,000	142,000	1160,000	144,000	1195,000
GR	150,000	1255,000	152,000	1265,000	156,000	1310,000	158,000	1325,000	160,000	1345,000
ET	-0	-0	350,200	-0	-0	-0	-0	-0	-0	-0

X1	10650,000	38,000	600,000	623,000	1000,000	1000,000	1000,000	0	0	-0
GR	160,000	0	158,000	20,000	156,000	30,000	154,000	50,000	152,000	60,000
GR	150,000	80,000	148,000	85,000	146,000	100,000	144,000	120,000	142,000	140,000
GR	140,000	165,000	138,000	190,000	136,000	215,000	134,000	240,000	132,000	250,000
GR	130,000	275,000	128,000	295,000	126,000	360,000	124,000	420,000	122,000	500,000
GR	120,000	550,000	118,900	582,000	119,600	600,000	117,800	614,000	118,100	619,000
GR	119,600	622,000	120,100	623,000	119,700	641,000	119,400	657,000	122,000	690,000
GR	123,300	712,000	124,600	790,000	129,200	841,000	134,100	878,000	150,000	910,000
GR	152,000	940,000	154,000	1010,000	160,000	1020,000	-0	-0	-0	-0

X1	11950,000	34,000	800,000	829,000	1300,000	1300,000	1300,000	0	0	-0
GR	144,000	30,000	142,000	60,000	140,000	90,000	138,000	120,000	136,000	160,000
GR	134,000	200,000	132,000	230,000	130,000	260,000	128,000	345,000	126,000	500,000
GR	124,000	715,000	122,100	795,000	121,600	800,000	120,700	819,000	121,900	829,000
GR	122,000	842,000	121,600	856,000	121,200	883,000	122,000	894,000	122,200	923,000
GR	122,300	943,000	120,900	948,000	120,800	957,000	122,400	965,000	122,600	1005,000
GR	122,700	1037,000	126,300	1083,000	129,200	1151,000	130,500	1241,000	132,000	1280,000
GR	134,000	1305,000	136,000	1380,000	138,000	1430,000	148,000	1500,000	-0	-0

X1	13250,000	40,000	500,000	511,000	1300,000	1300,000	1300,000	0	0	-0
GR	158,000	10,000	156,000	35,000	154,000	65,000	152,000	85,000	148,000	130,000
GR	146,000	150,000	142,000	195,000	140,000	215,000	138,000	250,000	136,000	270,000
GR	134,000	290,000	132,000	305,000	130,000	315,000	124,400	448,000	124,400	474,000
GR	124,900	497,000	124,600	500,000	123,800	504,000	124,600	511,000	124,500	546,000
GR	124,100	561,000	123,800	571,000	123,600	578,000	123,900	580,000	124,000	588,000
GR	124,400	593,000	125,300	604,000	129,200	620,000	133,300	646,000	135,600	682,000
GR	142,000	710,000	144,000	755,000	144,000	780,000	144,000	1335,000	146,000	1340,000
GR	148,000	1355,000	150,000	1365,000	152,000	1390,000	158,000	1430,000	160,000	1460,000

X1	14320,000	21,000	440,000	494,000	1070,000	1070,000	1070,000	0	0	-0
GR	160,000	110,000	149,600	194,000	141,000	300,000	137,000	364,000	133,100	430,000
GR	130,100	440,000	127,800	443,000	126,300	449,000	126,400	450,000	123,100	451,000
GR	123,400	452,000	123,200	455,000	123,200	457,000	125,000	458,000	126,400	459,000
GR	129,100	494,000	128,700	563,000	133,400	689,000	137,700	708,000	150,000	900,000
GR	160,000	940,000	-0	-0	-0	-0	-0	-0	-0	-0

X1	14330,000	26,000	450,000	480,000	10,000	10,000	10,000	0	0	-0
GR	157,400	0	156,000	50,000	154,400	100,000	152,900	150,000	151,300	200,000
GR	149,500	250,000	147,700	300,000	146,300	350,000	145,100	400,000	144,300	450,000
GR	124,700	450,000	124,700	476,000	144,100	476,000	143,600	480,000	143,400	550,000
GR	144,000	600,000	144,700	650,000	145,300	700,000	146,500	750,000	147,700	800,000
GR	149,200	850,000	151,000	900,000	153,000	950,000	154,800	1000,000	156,800	1050,000
GR	158,600	1100,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,250	2,040	2,500	0	26,000	2,000	178,000	0	0	-0

X1	14380,000	26,000	450,000	480,000	50,000	50,000	50,000	0	0	-0
X2	0	0	1,000	132,100	143,400	-0	-0	-0	-0	-0
BT	10,000	0	157,400	132,100	150,000	152,900	132,100	200,000	151,300	132,100
BT	350,000	146,300	132,100	450,000	144,300	132,100	550,000	143,400	132,100	700,000
BT	145,300	132,100	800,000	147,700	132,100	950,000	153,000	132,100	1100,000	158,600
BT	132,100	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	157,400	0	156,000	50,000	154,400	100,000	152,900	150,000	151,300	200,000
GR	149,500	250,000	147,700	300,000	146,300	350,000	145,100	400,000	144,300	450,000
GR	124,700	450,000	124,700	476,000	144,100	476,000	143,600	480,000	143,400	550,000
GR	144,000	600,000	144,700	650,000	145,300	700,000	146,500	750,000	147,700	800,000
GR	149,200	850,000	151,000	900,000	153,000	950,000	154,800	1000,000	156,800	1050,000
GR	158,600	1100,000	-0	-0	-0	-0	-0	-0	-0	-0

X1	14445,000	20,000	432,000	484,000	65,000	65,000	65,000	0	0	-0
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11/11/11 11:11:11 AM

GR	166.000	50.000	150.000	286.000	149.900	294.000	141.000	327.000	136.000	432.000
GR	126.000	450.000	125.700	452.000	129.200	459.000	125.500	463.000	125.400	468.000
GR	125.800	479.000	129.600	484.000	130.200	570.000	131.500	658.000	129.800	668.000
GR	140.600	690.000	142.000	752.000	140.900	778.000	155.200	899.000	160.000	1010.000
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WASHINGTON, D.C. 20535

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 FLOODWAY STUDY FLOODWAYS
 T3 LITTLE CROSS CR ABOVE GLENVILLE DAM - PAMALL DR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	-0	-0	-0	-0	-0	-0	118.700	-0
J2	NPROF	IPLT	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 6500.000

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

3470 ENCROACHMENT STATIONS=	991.5	1391.5	TYPE=	2	TARGET=	400.000			
6500.00	6.50	118.70	0	117.70	118.72	.02	0	0	112.30
1850.	937.	408.	504.	1057.	225.	582.	0	0	112.40
0	.89	1.82	.87	.150	.080	.150	0	112.20	991.50
.000801	0	0	0	0	0	1	0	336.10	1327.60

FLOW DISTRIBUTION

STA#	991.	1174.	1209.	1223.	1250.	1260.	1298.	1321.	1328.
PER O#	50.7	22.1	4.6	8.9	3.0	8.8	1.8	.0	
AREA#	1056.5	224.8	88.9	171.4	60.5	195.7	62.1	3.0	
VEL#	.9	1.8	1.0	1.0	.9	.8	.5	.2	

*SECNO 6600.000

3470 ENCROACHMENT STATIONS=	991.5	1391.5	TYPE=	2	TARGET=	400.000			
6600.00	6.58	118.78	0	117.80	118.80	.02	.08	.00	112.30
1850.	937.	408.	505.	1071.	228.	591.	4.	1.	112.40
.03	.88	1.79	.85	.150	.080	.150	.079	112.20	991.50
.000765	100.	100.	100.	0	0	1	0	336.69	1328.19

FLOW DISTRIBUTION

STA#	991.	1174.	1209.	1223.	1250.	1260.	1298.	1321.	1328.
PER O#	50.7	22.0	4.6	8.9	3.0	8.9	1.9	.0	
AREA#	1071.2	227.7	90.0	173.6	61.3	198.7	63.9	3.5	
VEL#	.9	1.8	.9	.9	.9	.8	.5	.2	

20

FW

SUMMARY PRINTOUT ***** FINAL RUN _SAVE_ *****

LITTLE CROSS CR MOUTH

SECNO	CWSEL	Q	AREA	TOPWID	HV	DIFMSX
1.00	101.60	1900.00	487.14	80.00	.37	1
5.00	101.61	1900.00	487.78	80.00	.36	.01
10.00	101.62	1900.00	488.58	80.00	.36	.01
20.00	101.64	1900.00	490.18	80.00	.36	.02
150.00	101.91	1900.00	503.52	80.00	.34	.27
390.00	102.36	1900.00	523.81	80.00	.31	.45
550.00	102.67	1900.00	574.50	80.00	.26	.31
702.00	102.89	1900.00	593.31	80.00	.22	.22
710.00	102.82	1900.00	465.90	80.00	.35	-.07
765.00	102.82	1900.00	465.90	80.00	.35	.00
766.00	103.03	1900.00	648.82	80.00	.19	.20
770.00	103.03	1900.00	649.26	80.00	.19	.00
775.00	103.03	1900.00	649.59	80.00	.19	.00
785.00	103.04	1900.00	642.26	80.00	.19	.01
950.00	103.23	1900.00	596.82	80.00	.21	.20
1000.00	103.33	1900.00	580.83	80.00	.22	.10
1050.00	103.44	1900.00	565.43	80.00	.24	.11
1100.00	103.56	1900.00	550.74	80.00	.25	.12
1150.00	103.69	1900.00	552.81	80.00	.25	.13
1250.00	103.89	1900.00	393.03	67.68	.45	.20
1350.00	104.80	1900.00	420.20	67.16	.32	.91
1625.00	106.05	1900.00	353.89	80.00	.58	1.25
1630.00	106.05	1900.00	362.71	80.00	.59	.00
1635.00	106.00	1900.00	313.95	80.00	.74	-.05
1665.00	106.01	1900.00	316.41	80.00	.73	.00
1670.00	106.22	1900.00	367.98	80.00	.59	.21
1790.00	107.00	1900.00	876.79	80.00	.07	.78

12

SECNO	CHSEL	Q	AREA	TOPWID	HV	DIFWSX
1830.00	106.97	1900.00	579.69	80.00	.18	.03
1835.00	106.89	1900.00	430.02	60.00	.34	.08
1869.00	107.65	1900.00	483.78	80.00	.28	.76
1870.00	107.81	1900.00	647.18	80.00	.15	.16
1979.00	107.90	1900.00	546.79	74.52	.25	.09

PRINTED ON RECYCLED PAPER

SUMMARY PRINTOUT

LITTLE CROSS CR MOUTH-

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1.00	0	154.50	180.00	209.00	234.50	80.00
5.00	0	154.50	180.00	209.00	234.50	80.00
10.00	0	154.50	180.00	209.00	234.50	80.00
20.00	0	154.50	180.00	209.00	234.50	80.00
150.00	0	154.50	180.00	209.00	234.50	80.00
390.00	0	154.50	180.00	209.00	234.50	80.00
550.00	0	239.50	265.00	294.00	319.50	80.00
702.00	0	579.50	600.00	639.00	659.50	80.00
710.00	0	575.00	600.00	630.00	655.00	80.00
765.00	0	575.00	600.00	630.00	655.00	80.00
766.00	0	510.50	530.00	571.00	590.50	80.00
770.00	0	510.50	530.00	571.00	590.50	80.00
775.00	0	510.50	530.00	571.00	590.50	80.00
785.00	0	510.50	530.00	571.00	590.50	80.00
950.00	0	512.00	534.00	570.00	592.00	80.00
1000.00	0	512.00	534.00	570.00	592.00	80.00
1050.00	0	512.00	534.00	570.00	592.00	80.00
1100.00	0	512.00	534.00	570.00	592.00	80.00
1150.00	0	512.00	534.00	570.00	592.00	80.00
1250.00	0	61.54	82.00	118.00	129.23	67.68
1350.00	0	553.14	564.00	621.00	620.30	67.16
1625.00	0	367.50	400.00	415.00	447.50	80.00
1630.00	0	361.50	388.00	415.00	441.50	80.00
1635.00	0	361.00	388.00	414.00	441.00	80.00
1665.00	0	361.00	388.00	414.00	441.00	80.00
1670.00	0	361.00	388.00	414.00	441.00	80.00
1790.00	0	485.50	485.00	566.00	565.50	80.00

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1830.00	0	549.00	595.00	623.00	629.00	80.00
1835.00	0	568.00	575.00	623.00	628.00	60.00
1865.00	0	559.00	575.00	623.00	639.00	60.00
1870.00	0	549.00	595.00	623.00	629.00	80.00
1975.00	0	360.24	380.00	415.00	434.76	74.52

STATION NO. 1000
DATE 10/1/50
TIME 10:00 AM
PAGE 1

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

* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF
* ICATION 59 IS TO

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

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

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

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

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

* THE PURPOSE OF ERROR CORRECTION 10 IS TO

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

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

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

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 FLOODWAY
 T3 LITTLE CROSS CR MOUTH- GLENVILLE DAM

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	-0	-0	-0	-0	-0	-0	101,600	-0
J2	NPROF	IPLOT	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	25,000	4,000	10,000	51,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	0	-0	-0	-0
QT	7,000	1900,000	1900,000	1900,000	1900,000	800,000	1490,000	3310,000	-0	-0
ET	-0	-0	-0	80,200	-0	-0	-0	-0	-0	-0
NC	,080	,080	,050	,200	,400	-0	-0	-0	-0	-0
X1	1,000	13,000	180,000	209,000	1,000	1,000	1,000	0	0	-0
GR	110,000	0	104,000	20,000	98,000	50,000	100,000	110,000	98,000	170,000
GR	96,000	180,000	89,600	192,000	89,300	194,000	89,600	197,000	96,700	209,000
GR	98,000	335,000	100,000	340,000	118,000	375,000	-0	-0	-0	-0
X1	5,000	0	0	0	4,000	4,000	4,000	1,000	0	-0
X1	10,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
X1	20,000	0	0	0	10,000	10,000	10,000	1,000	0	-0
X1	150,000	0	0	0	130,000	130,000	130,000	1,000	,100	-0
X1	390,000	13,000	180,000	209,000	240,000	240,000	240,000	-0	-0	-0
GR	110,000	0	100,000	45,000	181,000	75,000	100,000	130,000	98,300	170,000
GR	96,300	180,000	89,900	192,000	89,600	194,000	89,900	197,000	97,000	209,000
GR	98,000	335,000	100,000	340,000	118,000	375,000	-0	-0	-0	-0
NC	,080	,080	,050	,200	,400	-0	-0	-0	-0	-0
X1	550,000	15,000	265,000	294,000	160,000	160,000	160,000	0	,500	-0
GR	110,000	0	96,000	105,000	94,000	225,000	96,000	230,000	96,000	250,000
GR	96,000	260,000	96,000	265,000	89,600	277,000	89,300	279,000	89,600	282,000
GR	96,700	294,000	98,000	355,000	100,000	390,000	102,000	430,000	110,000	520,000
X1	702,000	13,000	600,000	639,000	152,000	152,000	152,000	0	0	-0
GR	102,000	210,000	100,000	225,000	98,000	425,000	98,000	600,000	94,900	601,000
GR	90,800	619,000	90,900	623,000	90,900	628,000	92,900	636,000	98,100	639,000
GR	100,000	675,000	102,000	760,000	104,000	840,000	-0	-0	-0	-0
X1	710,000	10,000	600,000	630,000	8,000	8,000	8,000	0	0	-0
GR	103,000	0	102,500	25,000	100,000	210,000	98,500	400,000	100,500	600,000
GR	90,800	601,000	90,800	629,000	100,500	630,000	102,000	740,000	104,000	800,000
SB	1,250	1,160	2,600	0	28,500	1,000	202,000	0	0	0

X1	765,000	10,000	600,000	630,000	0	0	0	0	0	0
X2	0	0	1,000	97,900	98,500	0	0	0	0	0
BT	8,000	0	103,000	97,900	25,000	102,500	97,900	210,000	100,000	97,900
BT	400,000	98,500	97,900	600,000	100,500	97,900	628,500	100,500	97,900	740,000
BT	102,000	97,900	800,000	104,000	97,900	0	0	0	0	0
GR	103,000	0	102,500	25,000	100,000	210,000	98,500	400,000	100,500	600,000
GR	90,000	601,000	90,000	629,000	100,500	630,000	102,000	740,000	104,000	800,000
NC	0,000	0,000	0,050	0	0	0	0	0	0	0

X1	766,000	14,000	530,000	571,000	1,000	1,000	1,000	0	0	0
GR	106,000	140,000	100,000	150,000	98,000	160,000	98,000	325,000	96,000	530,000
GR	91,200	550,000	91,500	555,000	92,000	560,000	96,800	571,000	98,000	610,000
GR	100,000	640,000	102,000	710,000	104,000	750,000	106,000	850,000	0	0

X1	770,000	0	0	0	4,000	4,000	4,000	1,000	0	0
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X1	775,000	0	0	0	5,000	5,000	5,000	1,000	0	0
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X1	785,000	0	0	0	10,000	10,000	10,000	1,000	100	0
NC	0,100	0,100	0,070	0,200	0,400	0	0	0	0	0

X1	950,000	16,000	534,000	570,000	165,000	165,000	165,000	0	0	0
GR	110,000	250,000	108,000	252,000	104,000	254,000	104,000	256,000	102,000	258,000
GR	100,000	260,000	98,000	360,000	98,000	430,000	98,000	520,000	98,000	525,000
GR	98,100	534,000	91,200	549,000	91,500	554,000	92,000	559,000	96,800	570,000
GR	98,000	700,000	0	0	0	0	0	0	0	0

X1	1000,000	0	0	0	50,000	50,000	50,000	0	300	0
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X1	1050,000	0	0	0	50,000	50,000	50,000	0	300	0
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X1	1100,000	0	0	0	50,000	50,000	50,000	0	300	0
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X1	1150,000	0	0	0	50,000	50,000	50,000	0	100	0
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X1	1250,000	11,000	82,000	118,000	108,000	100,000	100,000	0	200	0
GR	105,000	40,000	104,000	60,000	102,000	70,000	100,000	80,000	99,000	82,000
GR	92,200	97,000	92,500	102,000	95,000	107,000	97,800	118,000	100,000	120,000
GR	104,000	130,000	0	0	0	0	0	0	0	0

X1	1350,000	12,000	564,000	621,000	208,000	200,000	200,000	0	0	0
GR	110,000	60,000	108,000	120,000	105,400	300,000	105,000	550,000	104,100	564,000
GR	92,600	581,000	92,600	585,000	92,600	592,000	105,100	621,000	105,400	650,000
GR	105,500	700,000	110,000	650,000	0	0	0	0	0	0

X1	1625,000	12,000	400,000	415,000	275,000	275,000	275,000	0	0	0
GR	110,000	0	105,600	300,000	105,200	350,000	104,200	388,000	96,200	390,000
GR	94,800	392,000	94,900	400,000	95,000	403,000	97,900	414,000	102,700	415,000
GR	106,300	450,000	110,000	610,000	0	0	0	0	0	0

X1	1630,000	14,000	388,000	415,000	5,000	5,000	0	0	0	0
GR	110,000	0	106,000	40,000	105,600	300,000	105,200	348,000	104,200	388,000
GR	97,600	389,000	94,800	392,000	94,900	400,000	95,000	403,000	97,900	414,000

Naturals

SUMMARY PRINTOUT ***** FINAL RUN _SAVE_ *****

LITTLE CROSS CR MOUTH

SECNO	CWSEL	Q	ELMIN	EQ	HV	DIFWSP
1.00	99.20	800.00	89.30	99.37	.17	0
1.00	100.90	1490.00	89.30	101.13	.23	1.70
1.00	101.60	1900.00	89.30	101.86	.26	.70
1.00	103.70	3310.00	89.30	104.04	.34	2.10
5.00	99.21	800.00	89.30	99.37	.17	0
5.00	100.91	1490.00	89.30	101.13	.23	1.70
5.00	101.61	1900.00	89.30	101.87	.26	.70
5.00	103.71	3310.00	89.30	104.05	.34	2.10
10.00	99.21	800.00	89.30	99.38	.17	0
10.00	100.92	1490.00	89.30	101.14	.22	1.70
10.00	101.62	1900.00	89.30	101.88	.26	.70
10.00	103.72	3310.00	89.30	104.06	.34	2.10
20.00	99.23	800.00	89.30	99.39	.16	0
20.00	100.93	1490.00	89.30	101.15	.22	1.71
20.00	101.64	1900.00	89.30	101.89	.26	.70
20.00	103.74	3310.00	89.30	104.08	.33	2.10
150.00	99.39	800.00	89.40	99.55	.16	0
150.00	101.13	1490.00	89.40	101.34	.21	1.74
150.00	101.86	1900.00	89.40	102.10	.24	.73
150.00	103.99	3310.00	89.40	104.31	.32	2.14
390.00	99.68	800.00	89.60	99.82	.15	0
390.00	101.46	1490.00	89.60	101.67	.20	1.78
390.00	102.22	1900.00	89.60	102.46	.24	.76
390.00	104.41	3310.00	89.60	104.72	.31	2.19
550.00	99.89	800.00	89.80	99.98	.09	0
550.00	101.73	1490.00	89.80	101.86	.12	1.84
550.00	102.52	1900.00	89.80	102.67	.14	.79
550.00	104.77	3310.00	89.80	104.96	.19	2.25
702.00	100.00	800.00	90.80	100.08	.08	0
702.00	101.87	1490.00	90.80	101.98	.10	1.87
702.00	102.68	1900.00	90.80	102.79	.11	.81
702.00	104.97	3310.00	90.80	105.11	.13	2.29
710.00	99.98	800.00	90.80	100.11	.13	0
710.00	101.84	1490.00	90.80	102.01	.17	1.86
710.00	102.65	1900.00	90.80	102.82	.17	.81
710.00	104.96	3310.00	90.80	105.13	.17	2.30
765.00	99.98	800.00	90.80	100.11	.13	0
765.00	101.84	1490.00	90.80	102.01	.17	1.86
765.00	102.65	1900.00	90.80	102.82	.17	.81
765.00	104.96	3310.00	90.80	105.13	.17	2.30
766.00	100.07	800.00	91.20	100.12	.05	0
766.00	101.95	1490.00	91.20	102.03	.07	1.89
766.00	102.76	1900.00	91.20	102.84	.09	.80
766.00	105.02	3310.00	91.20	105.14	.12	2.26

Handwritten scribbles

SECNO	CHSEL	Q	ELMIN	EQ	HV	DIFWSP
770.00	100.07	800.00	91.20	100.12	.05	0
770.00	101.95	1490.00	91.20	102.03	.07	1.89
770.00	102.76	1900.00	91.20	102.84	.09	.80
770.00	105.02	3310.00	91.20	105.14	.12	2.26
775.00	100.07	800.00	91.20	100.13	.05	0
775.00	101.96	1490.00	91.20	102.03	.07	1.89
775.00	102.76	1900.00	91.20	102.85	.09	.80
775.00	105.02	3310.00	91.20	105.15	.12	2.26
785.00	100.07	800.00	91.30	100.13	.06	0
785.00	101.96	1490.00	91.30	102.04	.08	1.89
785.00	102.76	1900.00	91.30	102.85	.09	.80
785.00	105.03	3310.00	91.30	105.15	.13	2.26
950.00	100.20	800.00	91.20	100.23	.03	0
950.00	102.11	1490.00	91.20	102.14	.03	1.91
950.00	102.93	1900.00	91.20	102.97	.04	.82
950.00	105.23	3310.00	91.20	105.28	.05	2.30
1000.00	100.23	800.00	91.50	100.28	.04	0
1000.00	102.14	1490.00	91.50	102.18	.04	1.90
1000.00	102.96	1900.00	91.50	103.01	.05	.82
1000.00	105.27	3310.00	91.50	105.32	.06	2.31
1050.00	100.28	800.00	91.80	100.34	.06	0
1050.00	102.18	1490.00	91.80	102.23	.06	1.90
1050.00	103.00	1900.00	91.80	103.06	.06	.82
1050.00	105.30	3310.00	91.80	105.38	.08	2.31
1100.00	100.34	800.00	92.10	100.43	.09	0
1100.00	102.22	1490.00	92.10	102.31	.09	1.88
1100.00	103.04	1900.00	92.10	103.13	.09	.82
1100.00	105.34	3310.00	92.10	105.46	.12	2.30
1150.00	100.43	800.00	92.20	100.54	.11	0
1150.00	102.28	1490.00	92.20	102.41	.13	1.86
1150.00	103.10	1900.00	92.20	103.24	.14	.81
1150.00	105.39	3310.00	92.20	105.59	.20	2.29
1250.00	100.63	800.00	92.40	100.86	.23	0
1250.00	102.39	1490.00	92.40	102.84	.45	1.76
1250.00	103.15	1900.00	92.40	103.74	.59	.77
1250.00	105.27	3310.00	92.40	106.28	1.01	2.12
1350.00	101.34	800.00	92.60	101.51	.17	0
1350.00	103.44	1490.00	92.60	103.74	.29	2.11
1350.00	104.40	1900.00	92.60	104.76	.36	.96
1350.00	107.01	3310.00	92.60	107.44	.43	2.60
1625.00	102.53	800.00	94.80	102.97	.45	0
1625.00	104.89	1490.00	94.80	105.68	.79	2.37
1625.00	105.96	1900.00	94.80	106.80	.84	1.07
1625.00	108.42	3310.00	94.80	109.00	.58	2.46

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 200

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
1630.00	102.69	800.00	94.80	103.00	.31	0
1630.00	105.21	1490.00	94.80	105.74	.53	2.52
1630.00	106.38	1900.00	94.80	106.88	.50	1.17
1630.00	108.85	3310.00	94.80	109.09	.24	2.47
1635.00	102.71	800.00	94.80	103.04	.33	0
1635.00	105.20	1490.00	94.80	105.80	.60	2.50
1635.00	106.38	1900.00	94.80	106.93	.56	1.17
1635.00	108.87	3310.00	94.80	109.10	.23	2.49
1665.00	102.80	800.00	94.80	103.13	.32	0
1665.00	105.54	1490.00	94.80	106.06	.52	2.73
1665.00	106.50	1900.00	94.80	106.93	.43	.97
1665.00	108.97	3310.00	94.80	109.10	.14	2.46
1670.00	102.83	800.00	94.80	103.16	.32	0
1670.00	105.64	1490.00	94.80	106.10	.47	2.80
1670.00	106.61	1900.00	94.80	106.97	.36	.97
1670.00	108.98	3310.00	94.80	109.11	.13	2.37
1790.00	103.28	800.00	95.00	103.30	.02	0
1790.00	106.23	1490.00	95.00	106.25	.02	2.95
1790.00	107.08	1900.00	95.00	107.11	.02	.85
1790.00	109.17	3310.00	95.00	109.20	.03	2.08
1830.00	103.24	800.00	96.70	103.37	.12	0
1830.00	106.21	1490.00	96.70	106.30	.09	2.96
1830.00	107.06	1900.00	96.70	107.15	.09	.85
1830.00	109.15	3310.00	96.70	109.23	.08	2.10
1835.00	103.20	800.00	96.70	103.43	.23	0
1835.00	106.11	1490.00	96.70	106.37	.26	2.91
1835.00	106.92	1900.00	96.70	107.26	.34	.80
1835.00	109.00	3310.00	96.70	109.35	.35	2.09
1865.00	103.28	800.00	96.70	103.50	.22	0
1865.00	106.88	1490.00	96.70	107.09	.21	3.60
1865.00	107.66	1900.00	96.70	107.94	.27	.78
1865.00	109.00	3310.00	96.70	109.35	.34	1.34
1870.00	103.42	800.00	96.70	103.54	.11	0
1870.00	107.07	1490.00	96.70	107.13	.05	3.65
1870.00	107.93	1900.00	96.70	107.99	.05	.86
1870.00	109.34	3310.00	96.70	109.41	.07	1.41
1975.00	103.62	800.00	96.00	103.77	.16	0
1975.00	107.08	1490.00	96.00	107.28	.20	3.47
1975.00	107.91	1900.00	96.00	108.17	.27	.82
1975.00	109.25	3310.00	96.00	109.71	.46	1.34

SUMMARY PRINTOUT

LITTLE CROSS CR MOUTH

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1.00	0	44.00	180.00	209.00	338.00	246.00
1.00	1.70	35.50	180.00	209.00	343.15	307.65
1.00	.70	32.00	180.00	209.00	345.60	313.60
1.00	2.10	21.50	180.00	209.00	352.95	331.45
5.00	0	43.97	180.00	209.00	338.01	246.34
5.00	1.70	35.47	180.00	209.00	343.17	307.70
5.00	.70	31.97	180.00	209.00	345.62	313.66
5.00	2.10	21.46	180.00	209.00	352.98	331.51
10.00	0	43.94	180.00	209.00	338.03	246.76
10.00	1.70	35.43	180.00	209.00	343.20	307.76
10.00	.70	31.93	180.00	209.00	345.65	313.73
10.00	2.10	21.42	180.00	209.00	353.01	331.59
20.00	0	43.88	180.00	209.00	338.06	247.60
20.00	1.71	35.36	180.00	209.00	343.25	307.89
20.00	.70	31.84	180.00	209.00	345.71	313.86
20.00	2.10	21.32	180.00	209.00	353.07	331.75
150.00	0	43.58	180.00	209.00	338.21	251.73
150.00	1.74	34.88	180.00	209.00	343.59	308.71
150.00	.73	31.26	180.00	209.00	346.12	314.87
150.00	2.14	20.58	180.00	209.00	353.59	333.02
390.00	0	137.65	180.00	209.00	339.19	201.54
390.00	1.78	38.40	180.00	209.00	345.13	306.74
390.00	.76	34.98	180.00	209.00	347.79	312.81
390.00	2.19	25.14	180.00	209.00	355.45	330.31
550.00	0	79.56	265.00	294.00	379.37	299.81
550.00	1.84	65.74	265.00	294.00	414.70	348.96
550.00	.79	59.83	265.00	294.00	430.25	370.42
550.00	2.25	42.99	265.00	294.00	455.52	412.53
702.00	0	224.98	600.00	639.00	675.13	450.15
702.00	1.87	210.94	600.00	639.00	754.65	543.71
702.00	.81	210.00	600.00	639.00	765.00	555.00
702.00	2.29	210.00	600.00	639.00	765.00	555.00
710.00	0	212.33	600.00	630.00	629.95	365.72
710.00	1.86	210.00	600.00	630.00	728.44	518.44
710.00	.81	210.00	600.00	630.00	759.56	549.56
710.00	2.30	210.00	600.00	630.00	765.00	555.00
765.00	0	212.34	600.00	630.00	629.95	365.71
765.00	1.86	210.00	600.00	630.00	728.45	518.45
765.00	.81	210.00	600.00	630.00	759.56	549.56
765.00	2.30	210.00	600.00	630.00	765.00	555.00
766.00	0	210.00	530.00	571.00	642.34	432.34
766.00	1.89	210.00	530.00	571.00	708.33	498.33
766.00	.80	210.00	530.00	571.00	725.11	515.11
766.00	2.26	210.00	530.00	571.00	765.00	555.00

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPMID
770.00	0	210.00	530.00	571.00	642.44	432.44
770.00	1.89	210.00	530.00	571.00	708.45	498.45
770.00	.80	210.00	530.00	571.00	725.18	515.18
770.00	2.26	210.00	530.00	571.00	765.00	555.00
775.00	0	210.00	530.00	571.00	642.51	432.51
775.00	1.89	210.00	530.00	571.00	708.53	498.53
775.00	.80	210.00	530.00	571.00	725.24	515.24
775.00	2.26	210.00	530.00	571.00	765.00	555.00
785.00	0	210.00	530.00	571.00	639.64	429.64
785.00	1.89	210.00	530.00	571.00	705.21	495.21
785.00	.80	210.00	530.00	571.00	723.34	513.34
785.00	2.26	210.00	530.00	571.00	765.00	555.00
950.00	0	340.00	534.00	570.00	700.00	360.00
950.00	1.91	340.00	534.00	570.00	700.00	360.00
950.00	.82	340.00	534.00	570.00	700.00	360.00
950.00	2.30	340.00	534.00	570.00	700.00	360.00
1000.00	0	360.00	534.00	570.00	700.00	340.00
1000.00	1.90	360.00	534.00	570.00	700.00	340.00
1000.00	.82	360.00	534.00	570.00	700.00	340.00
1000.00	2.31	360.00	534.00	570.00	700.00	340.00
1050.00	0	400.00	534.00	570.00	700.00	300.00
1050.00	1.90	400.00	534.00	570.00	700.00	300.00
1050.00	.82	400.00	534.00	570.00	700.00	300.00
1050.00	2.31	400.00	534.00	570.00	700.00	300.00
1100.00	0	420.00	534.00	570.00	670.00	250.00
1100.00	1.88	420.00	534.00	570.00	670.00	250.00
1100.00	.82	420.00	534.00	570.00	670.00	250.00
1100.00	2.30	420.00	534.00	570.00	670.00	250.00
1150.00	0	450.00	534.00	570.00	640.00	190.00
1150.00	1.86	450.00	534.00	570.00	640.00	190.00
1150.00	.81	450.00	534.00	570.00	640.00	190.00
1150.00	2.29	450.00	534.00	570.00	640.00	190.00
1250.00	0	77.09	82.00	118.00	121.05	43.16
1250.00	1.76	69.07	82.00	118.00	125.46	56.39
1250.00	.77	65.24	82.00	118.00	127.38	62.13
1250.00	2.12	40.00	82.00	118.00	130.00	90.00
1350.00	0	568.08	564.00	621.00	612.27	44.19
1350.00	2.11	564.97	564.00	621.00	617.16	52.19
1350.00	.96	559.26	564.00	621.00	619.39	60.13
1350.00	2.60	264.52	564.00	621.00	750.37	485.85
1625.00	0	388.42	400.00	415.00	414.96	26.55
1625.00	2.37	361.67	400.00	415.00	436.32	74.65
1625.00	1.07	275.41	400.00	415.00	446.70	171.29
1625.00	2.46	107.37	400.00	415.00	541.91	434.54

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1630.00	0	388.23	388.00	415.00	415.00	26.77
1630.00	2.52	346.37	388.00	415.00	439.44	93.07
1630.00	1.17	36.19	388.00	415.00	455.07	418.88
1630.00	2.47	11.50	388.00	415.00	536.20	524.69
1635.00	0	388.09	388.00	414.00	413.91	25.82
1635.00	2.50	317.88	388.00	414.00	426.80	109.00
1635.00	1.17	36.25	388.00	414.00	454.71	418.46
1635.00	2.49	11.26	388.00	414.00	536.69	525.43
1665.00	0	388.07	388.00	414.00	413.93	25.85
1665.00	2.73	302.86	388.00	414.00	434.28	131.42
1665.00	.97	34.91	388.00	414.00	463.07	428.17
1665.00	2.46	10.34	388.00	414.00	538.61	528.27
1670.00	0	388.21	388.00	414.00	415.32	27.12
1670.00	2.80	276.57	388.00	414.00	443.36	166.79
1670.00	.97	33.90	388.00	414.00	469.39	435.49
1670.00	2.37	10.19	388.00	414.00	538.91	528.72
1790.00	0	322.23	485.00	566.00	590.25	268.02
1790.00	2.95	193.13	485.00	566.00	612.12	418.99
1790.00	.85	131.61	485.00	566.00	618.40	486.79
1790.00	2.08	27.10	485.00	566.00	633.83	606.73
1830.00	0	529.21	555.00	623.00	622.01	92.80
1830.00	2.96	299.35	555.00	623.00	637.40	338.05
1830.00	.85	214.27	555.00	623.00	642.29	428.02
1830.00	2.10	50.74	555.00	623.00	677.34	626.60
1835.00	0	568.00	575.00	623.00	621.91	53.91
1835.00	2.91	568.00	575.00	623.00	628.00	60.00
1835.00	.80	568.00	575.00	623.00	628.00	60.00
1835.00	2.09	59.80	575.00	623.00	682.70	622.89
1865.00	0	568.00	575.00	623.00	622.08	54.08
1865.00	3.60	568.00	575.00	623.00	628.00	60.00
1865.00	.78	303.31	575.00	623.00	648.66	345.35
1865.00	1.34	59.50	575.00	623.00	682.83	623.33
1870.00	0	523.69	555.00	623.00	622.40	98.71
1870.00	3.65	212.73	555.00	623.00	642.37	429.64
1870.00	.86	126.83	555.00	623.00	647.31	520.48
1870.00	1.41	39.73	555.00	623.00	683.99	644.26
1975.00	0	370.95	380.00	415.00	424.05	53.09
1975.00	3.47	362.29	380.00	415.00	432.71	70.42
1975.00	.82	360.23	380.00	415.00	434.77	74.54
1975.00	1.34	45.03	380.00	415.00	438.12	393.10

FLOOD INSURANCE ZONE DATA FOR LITTLE CROSS CR MOUTH-

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.2'
1,000	0	-2.4	-.7	2.1
5,000	4	-2.4	-.7	2.1
10,000	9	-2.4	-.7	2.1
20,000	19	-2.4	-.7	2.1
150,000	149	-2.5	-.7	2.1
390,000	389	-2.5	-.8	2.2
550,000	549	-2.6	-.8	2.2
702,000	701	-2.7	-.8	2.3
710,000	709	-2.7	-.8	2.3
765,000	710	-2.7	-.8	2.3
766,000	711	-2.7	-.8	2.3
770,000	715	-2.7	-.8	2.3
775,000	720	-2.7	-.8	2.3
785,000	730	-2.7	-.8	2.3
950,000	895	-2.7	-.8	2.3
1000,000	945	-2.7	-.8	2.3
1050,000	995	-2.7	-.8	2.3
1100,000	1045	-2.7	-.8	2.3
1150,000	1095	-2.7	-.8	2.3
1250,000	1195	-2.5	-.8	2.1
1350,000	1395	-3.1	-1.0	2.6
1625,000	1670	-3.4	-1.1	2.5
1630,000	1671	-3.7	-1.2	2.5
1635,000	1676	-3.7	-1.2	2.5
1665,000	1691	-3.7	-1.0	2.5
1670,000	1696	-3.8	-1.0	2.4
1790,000	1816	-3.8	-.8	2.1
1830,000	1856	-3.8	-.9	2.1
1835,000	1861	-3.7	-.8	2.1
1865,000	1876	-4.4	-.8	1.3
1870,000	1881	-4.5	-.9	1.4
1975,000	1986	-4.3	-.8	1.3

WEIGHTED AVG FOR REACH		-2.9	-.8	2.2

FHF FOR THE REACH = 0.30 WITH 93.7% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 6

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

* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF
* ICATION 59 IS TO

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

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

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

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

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

* THE PURPOSE OF ERROR CORRECTION 10 IS TO

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

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

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

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 10 YR NATURAL
 T3 LITTLE CROSS CR MOUTH- GLENVILLE DAM

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	6.	-0	-0	-0	-0	-0	-0	99,200	0
J2	NPROF	IPLOT	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	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	201,000	0	0	0
QT	7,000	1900,000	1900,000	1900,000	1900,000	1900,000	800,000	1490,000	3310,000	0
ET	0	0	0	80,200	0	0	0	0	0	0
NC	.300	.200	.050	.200	.400	0	0	0	0	0
X1	1,000	13,000	180,000	209,000	1,000	1,000	1,000	0	0	0
GR	110,000	0	104,000	20,000	98,000	50,000	100,000	110,000	98,000	170,000
GR	96,000	180,000	89,600	192,000	89,300	194,000	89,600	197,000	96,700	209,000
GR	98,000	335,000	100,000	340,000	110,000	375,000	0	0	0	0
X1	5,000	0	0	0	4,000	4,000	4,000	1,000	0	0
X1	10,000	0	0	0	5,000	5,000	5,000	1,000	0	0
X1	20,000	0	0	0	10,000	10,000	10,000	1,000	0	0
X1	150,000	0	0	0	130,000	130,000	130,000	1,000	.100	0
X1	390,000	13,000	180,000	209,000	240,000	240,000	240,000	0	0	0
GR	110,000	0	100,000	45,000	101,000	75,000	100,000	130,000	98,300	170,000
GR	96,300	180,000	89,900	192,000	89,600	194,000	89,900	197,000	97,000	209,000
GR	98,000	335,000	100,000	340,000	110,000	375,000	0	0	0	0
NC	.300	.200	.050	.200	.400	0	0	0	0	0
X1	550,000	15,000	265,000	294,000	160,000	160,000	160,000	0	.500	0
GR	110,000	0	96,000	105,000	96,000	225,000	96,000	230,000	96,000	250,000
GR	96,000	260,000	96,000	265,000	89,600	277,000	89,300	279,000	89,600	282,000
GR	96,700	294,000	98,000	355,000	100,000	390,000	102,000	430,000	110,000	520,000
X1	702,000	13,000	600,000	639,000	152,000	152,000	152,000	0	0	0
X3	0	0	0	210,000	110,000	765,000	110,000	0	0	0
GR	102,000	210,000	100,000	225,000	98,000	425,000	98,000	600,000	94,900	601,000
GR	90,800	619,000	90,900	623,000	90,900	628,000	92,900	636,000	98,100	639,000
GR	100,000	675,000	102,000	760,000	104,000	840,000	0	0	0	0
X1	710,000	10,000	600,000	630,000	8,000	8,000	8,000	0	0	0
X3	0	0	0	210,000	110,000	765,000	110,000	0	0	0
GR	103,000	0	102,500	25,000	100,000	210,000	98,500	400,000	100,500	600,000
GR	90,800	601,000	90,800	629,000	100,500	630,000	102,000	740,000	104,000	800,000
SA	1,250	1,160	2,600	0	28,500	1,000	202,000	0	0	0

X1	765,000	10,000	600,000	630,000	0	0	0	0	0	0
X2	0	0	1,000	97,900	98,500	-0	0	-0	-0	-0
X3	-0	0	-0	210,000	110,000	765,000	110,000	-0	-0	-0
BT	8,000	0	103,000	97,900	25,000	102,500	97,900	210,000	100,000	97,900
BT	400,000	98,500	97,900	600,000	100,500	97,900	628,500	100,500	97,900	740,000
BT	102,000	97,900	800,000	104,000	97,900	0	0	-0	-0	-0
GR	103,000	0	102,500	25,000	100,000	210,000	98,500	400,000	100,500	600,000
GR	90,800	601,000	90,800	629,000	100,500	630,000	102,000	740,000	104,000	800,000
NC	,300	,300	,050	-0	-0	-0	-0	-0	-0	-0

X1	766,000	14,000	530,000	571,000	1,000	1,000	1,000	0	0	-0
X3	-0	0	-0	210,000	110,000	765,000	110,000	-0	-0	-0
GR	106,000	140,000	100,000	150,000	98,000	160,000	98,000	325,000	96,000	530,000
GR	91,200	550,000	91,500	555,000	92,000	560,000	96,800	571,000	98,000	610,000
GR	100,000	640,000	102,000	710,000	104,000	750,000	106,000	850,000	-0	-0

X1	770,000	0	0	0	4,000	4,000	4,000	1,000	0	-0
X3	-0	0	-0	210,000	110,000	765,000	110,000	-0	-0	-0

X1	775,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
X3	-0	0	-0	210,000	110,000	765,000	110,000	-0	-0	-0

X1	785,000	0	0	0	10,000	10,000	10,000	1,000	,100	-0
X3	-0	0	-0	210,000	110,000	765,000	110,000	-0	-0	-0
NC	,100	,150	,070	,200	,400	0	0	-0	-0	-0

X1	950,000	16,000	534,000	570,000	165,000	165,000	165,000	0	0	-0
X3	-0	0	-0	340,000	110,000	-0	-0	-0	-0	-0
GR	110,000	250,000	108,000	252,000	106,000	254,000	104,000	256,000	102,000	258,000
GR	100,000	260,000	98,000	360,000	98,000	430,000	98,000	520,000	98,000	525,000
GR	98,100	534,000	91,200	549,000	91,500	554,000	92,000	559,000	96,800	570,000
GR	98,000	700,000	-0	-0	-0	-0	-0	-0	-0	-0

X1	1000,000	0	-0	0	50,000	50,000	50,000	-0	,300	-0
X3	-0	0	-0	360,000	110,000	-0	0	-0	-0	-0

X1	1050,000	0	-0	0	50,000	50,000	50,000	-0	,300	-0
X3	-0	0	-0	400,000	110,000	-0	0	-0	-0	-0

X1	1100,000	0	-0	0	50,000	50,000	50,000	-0	,300	-0
X3	-0	0	-0	420,000	110,000	670,000	110,000	-0	-0	-0

X1	1150,000	0	-0	0	50,000	50,000	50,000	-0	,100	-0
X3	-0	0	-0	450,000	110,000	640,000	110,000	-0	-0	-0

X1	1250,000	11,000	82,000	118,000	100,000	100,000	100,000	-0	,200	-0
GR	105,000	40,000	104,000	60,000	102,000	70,000	100,000	80,000	99,000	82,000
GR	92,200	97,000	92,500	102,000	93,000	107,000	97,800	118,000	100,000	120,000
GR	104,000	130,000	-0	-0	-0	-0	-0	-0	-0	-0

X1	1350,000	12,000	564,000	621,000	200,000	200,000	200,000	0	0	-0
GR	110,000	60,000	108,000	120,000	105,400	500,000	105,000	550,000	104,100	564,000
GR	92,600	581,000	92,600	585,000	92,600	592,000	105,100	621,000	105,400	650,000

X1	1625,000	12,000	400,000	415,000	275,000	275,000	275,000	0	0	-0
GR	110,000	0	105,600	300,000	105,200	350,000	104,200	388,000	96,200	390,000
GR	94,800	392,000	94,900	400,000	95,000	403,000	97,900	414,000	102,700	415,000
GR	106,300	450,000	110,000	610,000	0	0	0	0	0	0

X1	1630,000	14,000	388,000	415,000	5,000	5,000	0	0	0	-0
GR	110,000	0	106,000	40,000	105,600	300,000	105,200	348,000	104,200	388,000
GR	97,600	389,000	94,800	392,000	94,900	400,000	95,000	403,000	97,900	414,000
GR	102,700	415,000	106,300	450,000	107,100	500,000	110,000	560,000	0	0

X1	1635,000	16,000	388,000	414,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	106,000	40,000	105,600	300,000	105,200	318,000	104,600	388,000
GR	103,200	388,000	97,600	389,000	94,800	392,000	94,900	400,000	95,000	403,000
GR	97,900	413,000	103,200	414,000	104,600	414,000	106,300	450,000	107,100	500,000
GR	110,000	560,000	0	0	0	0	0	0	0	0
SB	1,250	2,040	2,500	0	26,000	0	194,000	0	0	0
ET	0	0	80,200	80,200	0	0	0	0	0	0
NC	.120	.120	.070	0	0	0	0	0	0	0

X1	1665,000	16,000	388,000	414,000	15,000	15,000	15,000	0	0	-0
X2	0	0	1,000	103,200	104,600	0	0	0	0	0
BT	9,000	0	110,000	103,200	40,000	106,000	103,200	300,000	105,600	103,200
BT	318,000	105,200	103,200	388,000	104,600	103,200	414,000	104,600	103,200	450,000
BT	106,300	103,200	500,000	107,100	103,200	560,000	110,000	103,200	0	0
GR	110,000	0	106,000	40,000	105,600	300,000	105,200	318,000	104,600	388,000
GR	103,200	388,000	97,600	389,000	94,800	392,000	94,900	400,000	95,000	403,000
GR	97,900	413,000	103,200	414,000	104,600	415,000	106,300	450,000	107,100	500,000
GR	110,000	560,000	0	0	0	0	0	0	0	0

X1	1670,000	14,000	388,000	414,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	106,000	40,000	105,600	300,000	105,200	348,000	104,200	388,000
GR	97,600	389,000	94,800	392,000	94,900	400,000	95,000	403,000	97,900	413,000
GR	102,700	414,000	106,300	450,000	107,100	500,000	110,000	560,000	0	0

X1	1790,000	12,000	485,000	566,000	120,000	120,000	120,000	0	0	-0
GR	110,000	0	108,000	65,000	106,000	210,000	104,000	250,000	102,000	450,000
GR	100,000	485,000	96,000	495,000	95,000	505,000	95,000	540,000	96,000	550,000
GR	100,000	566,000	110,000	640,000	0	0	0	0	0	0

X1	1830,000	10,000	555,000	623,000	40,000	40,000	40,000	0	0	-0
GR	110,000	0	108,000	120,000	104,200	500,000	102,400	555,000	96,700	593,000
GR	96,700	600,000	96,800	608,000	103,700	623,000	108,400	650,000	110,000	708,000

X1	1835,000	15,000	575,000	623,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	108,000	120,000	107,300	500,000	107,200	568,000	104,200	568,000
GR	102,600	568,000	102,400	575,000	96,700	593,000	96,700	600,000	96,800	608,000
GR	103,700	623,000	104,000	628,000	107,200	628,000	107,400	642,000	110,000	708,000
SB	1,250	2,040	2,500	0	50,000	0	268,000	0	0	0

X1	1865,000	15,000	575,000	623,000	15,000	15,000	15,000	0	0	-0
X2	0	0	1,000	104,000	107,200	0	0	0	0	0
BT	7,000	0	110,000	104,000	120,000	108,000	104,000	500,000	107,300	104,000
BT	575,000	107,200	104,000	623,000	107,200	104,000	642,000	107,400	104,000	708,000
BT	110,000	104,000	0	0	0	0	0	0	0	0
GR	110,000	0	108,000	120,000	107,300	500,000	107,200	568,000	104,200	568,000

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 50 YR NATURAL
 T3 LITTLE CROSS CR MOUTH TO GLENVILLE DAM

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	.0	7.	.0	.0	.0	.0	.0	.0	100,900	.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	2,000	.0	1,000	.0	.0	.0	.0	.0	.0	.0

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

T1 FPM5 BR FAYETTEVILLE NC FIS
 T2 100 YR NATURAL
 T3 LITTLE CROSS CR MOUTH TO GLENNVILLE DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0	2.	-0	-0	-0	-0	-0	-0	101.600	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 500 YR NATURAL
 T3 LITTLE CROSS CR MOUTH TO GLENNVILLE DAM

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-0	8.	-0	-0	-0	-0	-0	-0	103.700	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

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