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

C BLOUNTS CR RUSSEL ST TO WINSLOW ST
 T1 FPM5 BR FAYETTEVILLE NC FIS
 T2 FLOODWAY
 T3 BLOUNTS CR RUSSEL ST TO WINSLOW ST

J1	ICHECK	INO	NJNV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-1.	4.	0.	0.	0.000000	0.00	0.0	0.	80.400	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	38,000	4,000	25,000	1,000
NC	.090	.090	.045	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	7,000	2050,000	2050,000	2050,000	2050,000	870,000	1610,000	3550,000	0.000	0.000
ET	0.000	0.000	0.000	100,200	0.000	0.000	0.000	0.000	0.000	0.000

**** OVERBANK #NW OF .09 USED FOR FLOODWAY ****
 **** CHANNEL #NW OF .045 USED FOR FLOODWAY ****

X1	3275.000	15.000	151.000	237.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	87.700	0.000	86.000	58.000	84.000	125.000	82.000	133.000	80.000	151.000
GR	70.000	180.000	70.000	215.000	74.000	226.000	76.000	237.000	78.000	262.000
GR	80.000	286.000	82.000	292.000	84.000	319.000	86.000	346.000	88.000	358.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	151.000	237.000
X1	3276.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	151.000	237.000
X1	3277.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	151.000	237.000
X1	3278.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	151.000	237.000
X1	3280.000	0.000	0.000	0.000	2.000	2.000	2.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	151.000	237.000
X1	3285.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000

X1	2205.000	0.000	0.000	0.000	0.100	0.100	0.100	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	84.000	80.000	0.000
GR	90.000	0.000	86.000	200.000	84.000	795.000	73.400	800.000	73.400	840.000
GR	80.800	845.000	84.200	867.000	90.000	2000.000	0.000	0.000	0.000	0.000
SB	1.250	1.600	2.500	800.000	40.000	1.900	340.000	0.000	73.400	73.400
ET	0.000	0.000	9.100	150.200	0.000	0.000	0.000	0.000	800.000	835.000

X1	5300.000	0.000	0.000	0.000	45.000	45.000	45.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	82.300	84.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	84.000	84.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	740.000	838.000

X1	5305.000	10.000	814.000	838.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	90.000	0.000	86.000	175.000	82.900	709.000	79.400	814.000	73.400	816.000
GR	73.400	825.000	73.400	832.000	81.000	838.000	84.100	867.000	90.000	1750.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	690.000	750.000

X1	5310.000	14.000	709.000	750.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	90.000	0.000	86.000	150.000	85.500	600.000	84.500	650.000	84.600	690.000
GR	82.500	700.000	81.700	709.000	78.000	712.000	74.000	720.000	74.000	727.000
GR	83.000	750.000	83.800	800.000	84.200	825.000	90.000	1250.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	600.000	700.000

X1	5575.000	15.000	620.000	670.000	265.000	265.000	265.000	0.000	0.000	0.000
GR	90.000	0.000	88.000	30.000	86.000	145.000	84.000	415.000	82.000	565.000
GR	80.000	620.000	77.400	640.000	77.800	646.000	78.400	652.000	80.000	670.000
GR	82.000	675.000	84.000	685.000	86.000	700.000	88.000	725.000	90.000	790.000
NC	.140	.140	.040	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	7.000	2010.000	2010.000	2010.000	2010.000	850.000	1575.000	3480.000	0.000	0.000

*** OVERBANK #N# OF .1 USED FOR FLOODWAY ***

X1	5775.000	12.000	310.000	340.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	89.800	0.000	89.400	200.000	89.100	260.000	83.700	300.000	82.600	310.000
GR	78.200	322.000	77.900	328.000	78.000	332.000	80.300	340.000	82.700	400.000
GR	82.800	430.000	90.000	600.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.040	.200	.400	0.000	0.000	0.000	0.000	0.000

*** OVERBANK #N# OF .1 USED FOR FLOODWAY ***

X1	6135.000	15.000	1013.000	1055.000	360.000	360.000	360.000	0.000	0.000	0.000
GR	92.000	0.000	90.000	25.000	83.000	700.000	87.300	900.000	87.200	950.000
GR	87.800	1000.000	87.800	1013.000	78.500	1024.000	78.700	1030.000	78.900	1040.000
GR	87.200	1055.000	87.700	1100.000	87.900	1150.000	90.000	1400.000	92.000	1450.000

X1	6190.000	15.000	1013.000	1045.000	55.000	55.000	55.000	0.000	0.000	0.000
GR	93.000	0.000	90.000	80.000	85.500	700.000	87.100	900.000	86.900	950.000
GR	87.500	1000.000	87.200	1013.000	78.500	1024.000	78.700	1038.000	78.900	1040.000
GR	87.000	1045.000	87.200	1100.000	87.200	1150.000	90.000	1400.000	92.000	1450.000

X1	6210.000	9.000	722.000	734.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	88.000	375.000	86.700	640.000	68.700	641.000	68.700	722.000	78.500	724.000
GR	78.700	733.000	86.700	734.000	66.700	735.000	66.700	833.000	0.000	0.000
SB	1.050	1.050	2.500	0.000	20.000	1.000	175.000	0.000	0.000	0.000

X1	6240.000	9.000	722.000	734.000	15.000	15.000	15.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	82.600	86.000	0.000	0.000	0.000	0.000	0.000

BT	734.000	86.700	82.800	833.000	86.700	82.800	0.000	0.000	0.000	0.000
GR	88.000	375.000	86.700	640.000	86.700	641.000	86.700	722.000	78.500	724.000
GR	78.700	733.000	86.700	734.000	86.700	735.000	86.700	833.000	0.000	0.000

X1	8280.000	9.000	720.000	745.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	90.000	130.000	88.000	530.000	86.000	690.000	80.000	720.000	78.500	724.000
GR	78.700	735.000	80.000	745.000	86.000	770.000	90.000	810.000	0.000	0.000

X1	6275.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.000	0.000
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X1	6375.000	16.000	225.000	255.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	92.000	0.000	90.000	20.000	88.000	120.000	88.000	190.000	84.000	200.000
GR	82.000	220.000	80.000	225.000	78.700	237.800	78.400	243.000	78.700	250.000
GR	80.000	255.000	88.000	295.000	88.000	355.000	88.000	635.000	90.000	780.000
GR	92.000	850.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.100	.100	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	7.000	2000.000	2000.000	2000.000	2000.000	840.000	1560.000	3450.000	0.000	0.000

*** OVERBANK #N# OF .1 USED FOR FLOODWAY ***

X1	6715.000	10.000	544.000	585.000	365.000	365.000	365.000	0.000	0.000	0.000
GR	98.000	0.000	92.000	515.000	90.000	535.000	88.300	544.000	80.100	551.000
GR	80.300	558.000	80.800	567.000	86.000	585.000	88.000	695.000	95.000	700.000

X1	6720.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
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X1	6730.000	11.000	548.000	569.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	98.000	0.000	89.900	140.000	89.900	548.000	80.400	552.000	80.500	563.000
GR	80.600	568.000	89.900	569.000	89.900	585.000	90.000	590.000	94.000	670.000
GR	96.000	840.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.010	2.600	0.000	20.000	0.000	134.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	300.200	0.000	0.000	0.000	0.000	0.000	0.000

X1	6740.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	88.900	89.900	0.000	0.000	0.000	0.000	0.000
BT	10.000	0.000	98.000	88.900	140.000	90.000	88.900	165.000	89.900	88.900
BT	340.000	89.900	88.900	400.000	89.900	88.900	532.000	89.900	88.900	585.000
BT	89.900	88.900	590.000	90.000	88.900	670.000	94.000	88.900	840.000	96.000
BT	88.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	6745.000	10.000	544.000	568.000	5.000	5.000	5.000	0.000	.300	0.000
GR	98.000	0.000	92.000	515.000	90.000	535.000	88.300	544.000	80.100	551.000
GR	80.300	558.000	80.800	567.000	86.000	585.000	88.000	695.000	95.000	700.000
ET	0.000	0.000	0.000	300.200	0.000	0.000	0.000	0.000	0.000	0.000

X1	6925.000	13.000	80.000	100.000	180.000	180.000	180.000	0.000	0.000	0.000
GR	96.000	0.000	94.000	35.000	92.000	45.000	90.000	60.000	82.000	80.000
GR	80.000	85.000	80.000	95.000	82.000	100.000	84.000	105.000	90.000	120.000
GR	92.000	240.000	94.000	260.000	96.000	300.000	0.000	0.000	0.000	0.000
NC	.150	.150	.060	.200	.400	0.000	0.000	0.000	0.000	0.000

*** OVERBANK #N# OF .1 USED FOR FLOODWAY ***

X1	7090.000	8.000	431.000	479.000	165.000	165.000	165.000	0.000	0.000	0.000
GR	98.000	0.000	97.200	400.000	96.100	431.000	82.000	435.000	81.300	447.000

01.000 457.000 94.000 477.000 98.000 700.000 0.000 0.000 0.000 0.000

X1	7095.000	8.000	431.000	470.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	99.000	0.000	97.200	400.000	96.100	431.000	82.000	433.000	81.300	443.000
GR	81.600	456.000	94.900	470.000	98.000	800.000	0.000	0.000	0.000	0.000

X1	7105.000	8.000	431.000	470.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	99.000	0.000	97.200	400.000	96.100	431.000	82.100	433.000	82.100	443.000
GR	82.100	456.000	94.900	470.000	98.000	800.000	0.000	0.000	0.000	0.000

X1	7106.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
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X1	7107.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
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X1	7109.000	0.000	0.000	0.000	2.000	2.000	2.000	1.000	0.000	0.000
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X1	7111.000	0.000	0.000	0.000	2.000	2.000	2.000	1.000	0.000	0.000
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X1	7113.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000
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X1	7124.000	14.000	695.000	726.000	8.000	8.000	8.000	0.000	0.000	0.000
GR	100.000	0.000	98.000	500.000	97.700	647.000	97.700	660.000	97.700	695.000
GR	91.800	700.000	81.900	701.000	81.400	713.000	81.800	725.000	97.700	726.000
GR	97.700	729.000	97.700	741.000	97.700	743.000	98.500	1700.000	0.000	0.000
SB	1.050	1.080	2.600	0.000	52.000	2.000	454.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	100.200	0.000	0.000	0.000	0.000	0.000	0.000

X1	7126.000	11.000	695.000	729.000	1.000	1.000	1.000	0.000	0.000	0.000
X2	0.000	675.000	1.000	91.000	97.700	0.000	0.000	0.000	0.000	0.000
BT	6.000	0.000	100.000	91.000	500.000	98.000	91.000	647.000	97.700	91.000
BT	660.000	97.700	91.000	743.000	97.700	91.000	1700.000	98.500	91.000	0.000
GR	100.000	0.000	98.000	500.000	97.700	647.000	97.700	695.000	91.800	700.000
GR	81.900	701.000	81.400	713.000	81.800	725.000	97.700	729.000	97.700	743.000
GR	98.500	1700.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7131.000	8.000	98.000	100.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	98.000	0.000	97.800	50.000	81.600	77.000	81.000	84.000	81.500	89.000
GR	96.500	100.000	98.200	150.000	98.500	300.000	0.000	0.000	0.000	0.000

X1	7136.000	8.000	50.000	119.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	98.200	0.000	98.500	50.000	81.600	77.000	81.000	84.000	81.500	89.000
GR	96.000	119.000	98.200	150.000	98.000	200.000	0.000	0.000	0.000	0.000

X1	7575.000	16.000	290.000	330.000	439.000	439.000	439.000	0.000	0.000	0.000
GR	98.000	0.000	96.000	20.000	94.000	95.000	92.000	165.000	90.000	200.000
GR	88.000	260.000	86.000	290.000	84.000	305.000	82.300	313.000	82.900	322.000
GR	83.200	327.000	86.000	330.000	88.000	335.000	90.000	350.000	96.000	365.000
GR	98.000	375.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.160	.160	.060	.200	.480	0.000	0.000	0.000	0.000	0.000
OT	7.000	1970.000	1970.000	1970.000	1970.000	830.000	1540.000	3410.000	0.000	0.000

X1	100.000	120.000	125.000	225.000	50.000	50.000	50.000	0.000	0.000	0.000
GR	100.000	0.000	95.000	170.000	90.000	190.000	87.500	195.000	83.600	201.000
GR	83.200	210.000	82.900	218.000	87.000	223.000	90.000	243.000	91.600	363.000
GR	100.000	1363.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7930.000	11.000	195.000	233.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	100.000	0.000	96.300	170.000	93.300	190.000	92.100	195.000	83.600	201.000
GR	83.200	210.000	82.900	218.000	91.700	233.000	93.000	245.000	93.900	363.000
GR	100.000	1365.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7940.000	16.000	190.000	251.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	100.000	0.000	97.000	80.000	96.900	130.000	96.700	160.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SH	1.050	1.010	2.600	0.000	61.000	3.000	640.000	0.000	0.000	0.000

X1	7975.000	16.000	190.000	251.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	670.000	1.000	94.900	95.400	0.000	0.000	0.000	0.000	0.000
BT	7.000	0.000	100.000	94.900	80.000	97.000	94.900	130.000	96.900	94.900
BT	190.000	90.600	94.900	251.000	96.400	94.900	330.000	96.500	94.900	1400.000
BT	100.000	94.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	0.000	97.000	80.000	96.900	130.000	96.700	160.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7980.000	16.000	190.000	251.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	100.000	0.000	95.800	80.000	95.000	130.000	94.900	160.000	94.800	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	970.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	7985.000	12.000	147.000	205.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	100.000	0.000	94.200	70.000	93.400	120.000	93.000	147.000	84.100	158.000
GR	83.100	166.000	83.800	175.000	96.800	205.000	96.700	220.000	96.000	270.000
GR	96.000	320.000	100.000	540.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	8175.000	15.000	305.000	375.000	400.000	400.000	400.000	0.000	0.000	0.000
X2	0.000	670.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	0.000	98.000	105.000	96.000	285.000	94.000	290.000	88.000	305.000
GR	86.000	320.000	84.000	330.000	82.000	340.000	82.000	355.000	84.000	360.000
GR	90.000	375.000	92.000	400.000	96.000	410.000	96.000	425.000	100.000	510.000

X1	8575.000	20.000	245.000	290.000	400.000	400.000	400.000	0.000	0.000	0.000
X2	0.000	670.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	0.000	98.000	15.000	96.000	65.000	94.000	90.000	94.000	175.000
GR	96.000	180.000	98.000	205.000	96.000	210.000	94.000	220.000	92.000	235.000
GR	90.000	245.000	85.100	252.000	84.400	260.000	85.000	269.000	86.000	275.000
GR	88.000	285.000	90.000	290.000	94.000	300.000	96.000	450.000	100.000	685.000
NC	.160	.160	.060	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	7.000	1950.000	1950.000	1950.000	1950.000	820.000	1520.000	3375.000	0.000	0.000

*** OVERBANK #N# OF .12 USED FOR FLOODWAY ***

X1	8745.000	8.000	1000.000	1073.000	170.000	170.000	170.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	101.000	0.000	96.800	1000.000	85.100	1035.000	84.400	1043.000	85.000	1053.000

	98.000	1073.000	1000.000	1073.000	104.000	1023.000	0.000	0.000	0.000	0.000
X1	8750.000	8.000	1000.000	1073.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	101.000	0.000	97.800	1000.000	85.100	1035.000	84.400	1043.000	85.000	1053.000
GR	96.000	1073.000	103.000	1573.000	105.000	1623.000	0.000	0.000	0.000	0.000
X1	8760.000	8.000	400.000	469.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	106.000	0.000	102.200	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	90.000	469.000	98.700	490.000	101.000	1490.000	0.000	0.000	0.000	0.000
SB	1.050	1.010	2.600	0.000	82.000	4.000	928.000	0.000	0.000	0.000
X1	8785.000	8.000	400.000	469.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	665.000	1.000	100.600	102.200	0.000	0.000	0.000	0.000	0.000
BT	4.000	0.000	100.600	100.600	400.000	102.200	100.600	490.000	102.200	100.600
BT	1490.000	105.000	100.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	106.000	0.000	102.200	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	90.000	469.000	98.700	490.000	101.000	1490.000	0.000	0.000	0.000	0.000
X1	8790.000	9.000	400.000	469.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	104.000	0.000	96.600	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	88.500	469.000	94.300	490.000	100.500	1100.000	102.000	1205.000	0.000	0.000
X1	8795.000	10.000	600.000	637.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	102.000	0.000	100.000	200.000	92.000	500.000	90.900	600.000	107.100	610.000
GR	86.400	617.000	86.800	625.000	92.700	637.000	100.000	837.000	102.000	1000.000
ET	0.000	0.000	0.000	250.200	0.000	0.000	0.000	0.000	0.000	0.000
X1	8970.000	14.000	720.000	750.000	175.000	175.000	175.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	101.000	0.000	100.000	330.000	98.000	590.000	96.000	635.000	94.000	695.000
GR	92.000	720.000	88.000	730.000	87.100	732.000	86.400	739.000	86.800	747.000
GR	88.000	750.000	92.000	870.000	94.000	910.000	102.000	965.000	0.000	0.000
NC	.160	.160	.000	.200	.400	0.000	0.000	0.000	0.000	0.000
QT	7.000	1930.000	1930.000	1930.000	1930.000	810.000	1500.000	3350.000	0.000	0.000
X1	9205.000	14.000	409.000	457.000	235.000	235.000	235.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	102.000	0.000	100.000	140.000	94.000	300.000	93.400	350.000	93.300	400.000
GR	92.000	409.000	86.900	415.000	85.600	428.000	87.000	435.000	92.400	457.000
GR	94.400	500.000	94.800	530.000	100.000	800.000	102.000	1000.000	0.000	0.000
X1	9210.000	13.000	409.000	457.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	106.000	0.000	103.500	140.000	100.500	300.000	100.200	350.000	100.100	400.000
GR	99.100	409.000	86.900	415.000	85.600	428.000	87.000	435.000	92.400	457.000
GR	99.600	500.000	100.000	530.000	102.500	710.000	0.000	0.000	0.000	0.000
X1	9215.000	7.000	491.000	557.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	110.000	0.000	108.000	110.000	106.300	491.000	86.900	514.000	85.500	529.000
GR	97.300	557.000	105.100	632.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.050	1.010	2.600	0.000	137.100	13.000	1440.000	0.000	0.000	0.000

FORM NO. 100-100-100-100-100

X1	9249.000	7.000	491.000	557.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	665.000	1.000	104.300	105.100	0.000	0.000	0.000	0.000	0.000
BT	4.000	0.000	110.000	104.300	110.000	108.000	104.300	491.000	106.300	104.300
BT	232.000	105.100	104.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	110.000	0.000	108.000	110.000	106.300	491.000	86.900	514.000	85.500	529.000
GR	92.300	557.000	105.100	632.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	9250.000	0.000	491.000	557.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	105.000	0.000	101.000	110.000	99.000	491.000	86.900	514.000	85.500	529.000
GR	92.300	557.000	100.200	632.000	104.000	900.000	0.000	0.000	0.000	0.000
X1	9255.000	15.000	371.000	400.000	5.000	5.000	5.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	102.000	0.000	94.000	250.000	93.700	300.000	93.500	320.000	96.200	338.000
GR	98.200	355.000	92.000	371.000	88.200	388.000	88.000	393.000	88.100	398.000
GR	95.500	400.000	96.000	450.000	97.100	500.000	100.000	700.000	102.000	900.000
X1	9500.000	15.000	370.000	405.000	325.000	325.000	325.000	0.000	0.000	0.000
X2	0.000	665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	102.000	0.000	100.000	60.000	98.000	105.000	96.000	205.000	94.000	300.000
GR	92.000	370.000	88.500	370.000	87.600	304.000	87.900	309.000	92.000	405.000
GR	94.000	490.000	96.000	540.000	98.000	500.000	100.000	600.000	102.000	805.000
NC	.190	.190	.070	.200	.400	0.000	0.000	0.000	0.000	0.000
NY	7.000	1910.000	1910.000	1910.000	1910.000	800.000	1490.000	3320.000	0.000	0.000
X1	9905.000	15.000	456.000	483.000	325.000	325.000	325.000	0.000	0.000	0.000
X2	0.000	650.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	104.000	0.000	100.000	200.000	98.000	300.000	97.000	300.000	96.000	390.000
GR	95.200	456.000	88.900	466.000	89.400	470.000	88.000	477.000	94.000	483.000
GR	94.200	492.000	95.700	542.000	95.000	592.000	100.000	992.000	104.000	1100.000
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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR = 01
MODIFICATION = 50,51,52
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BLOUNTS CR RUSSEL ST TO
SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*5	Q
3275.000	80.40	80.54	0.00	70.00	5.59	2050.00
3276.000	80.40	80.54	0.00	70.00	5.59	2050.00
3277.000	80.40	80.54	0.00	70.00	5.59	2050.00
3278.000	80.40	80.54	0.00	70.00	5.59	2050.00
3280.000	80.40	80.54	0.00	70.00	5.58	2050.00
3285.000	80.41	80.55	0.00	70.00	5.58	2050.00
3475.000	80.40	80.91	0.00	70.90	36.95	2050.00
3775.000	81.40	81.85	0.00	72.50	25.77	2050.00
4175.000	82.55	83.13	0.00	73.30	35.34	2050.00
*4575.000	83.72	83.97	0.00	73.40	12.30	2050.00
4915.000	84.15	84.32	0.00	73.40	7.76	2050.00
5175.000	84.28	84.86	0.00	73.40	37.75	2050.00
5260.000	84.47	85.25	0.00	73.40	34.55	2050.00
5265.000	84.44	85.30	0.00	73.40	42.60	2050.00
5269.000	85.10	85.42	0.00	73.40	4.78	2050.00
5300.000	85.10	85.42	82.30	73.40	4.73	2050.00
5305.000	85.01	85.53	0.00	73.40	19.64	2050.00
5310.000	84.99	85.57	0.00	74.00	21.44	2050.00
5575.000	85.73	86.00	0.00	77.40	13.27	2050.00
5775.000	85.91	86.61	0.00	77.90	35.77	2010.00

SECNO CMSEL EG ELLC FLMIN 10K*S 0

6133.000	87.28	87.30	0.00	78.50	53.22	2010.00
6190.000	87.40	88.76	0.00	78.50	67.68	2010.00
6210.000	89.01	89.04	0.00	68.70	1.83	2010.00
6240.000	88.91	90.02	82.60	78.50	116.12	2010.00
6260.000	89.99	90.23	0.00	78.50	6.86	2010.00
6275.000	90.00	90.24	0.00	78.50	6.86	2010.00
6375.000	90.13	90.31	0.00	78.40	4.94	2010.00
6715.000	90.41	90.71	0.00	80.10	27.22	2000.00
6720.000	90.42	90.72	0.00	80.10	27.11	2000.00
6730.000	89.21	91.64	0.00	80.40	326.93	2000.00
6740.000	89.23	91.64	88.90	80.40	323.96	2000.00
6745.000	92.07	92.13	0.00	80.40	17.43	2000.00
6925.000	92.24	92.58	0.00	80.00	20.38	2000.00
7090.000	92.61	93.08	0.00	81.30	37.96	2000.00
7095.000	92.56	93.15	0.00	81.30	50.53	2000.00
7105.000	92.58	93.23	0.00	82.10	36.89	2000.00
7106.000	92.58	93.23	0.00	82.10	58.79	2000.00
7107.000	92.59	93.24	0.00	82.10	58.65	2000.00
7109.000	92.61	93.25	0.00	82.10	58.48	2000.00
7111.000	92.62	93.26	0.00	82.10	58.14	2000.00
7116.000	92.65	93.29	0.00	82.10	97.56	2000.00
7124.000	92.59	93.43	0.00	81.40	81.11	2000.00
7126.000	92.67	93.43	91.00	81.40	70.25	2000.00
7131.000	92.71	93.47	0.00	81.00	72.76	2000.00
7136.000	93.15	93.56	0.00	81.00	35.91	2000.00
7575.000	94.23	94.43	0.00	82.30	11.46	2000.00
7925.000	94.67	95.06	0.00	82.90	23.90	1970.00
7930.000	94.64	95.11	0.00	82.90	33.07	1970.00
7940.000	94.94	95.16	0.00	83.00	18.61	1970.00

BLOUNTS CR RUSSEL ST TO

SUMMARY PRINTOUT

SECNO	CHSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
3275.000	80.40	147.40	151.00	237.00	244.00	96.60
3276.000	80.40	147.39	151.00	237.00	244.00	96.60
3277.000	80.40	147.39	151.00	237.00	244.00	96.61
3278.000	80.40	147.38	151.00	237.00	244.00	96.61
3280.000	80.40	147.37	151.00	237.00	244.00	96.62
3285.000	80.41	147.39	151.00	237.00	244.00	96.65
3475.000	80.40	115.95	80.00	185.00	182.50	66.55
3775.000	81.40	430.50	466.00	495.00	520.94	90.44
4175.000	82.55	519.00	546.00	592.00	589.10	70.10
4575.000	83.72	105.00	137.00	173.00	205.00	100.00
4915.000	84.15	498.50	513.00	584.00	598.50	100.00
5175.000	84.28	896.50	924.00	969.00	966.68	70.18
5260.000	84.47	839.50	869.00	910.00	939.50	100.00
5265.000	84.44	639.50	669.00	710.00	739.50	100.00
5265.000	85.16	770.00	800.00	840.00	870.00	100.00
5300.000	85.16	745.00	800.00	840.00	895.00	150.00
5305.000	85.81	751.00	814.00	838.00	901.00	150.00
5310.000	84.99	694.50	709.00	750.00	804.50	150.00
5575.000	85.73	570.00	620.00	670.00	697.96	127.96
5775.000	85.91	283.61	310.00	340.00	400.00	116.36
6135.000	87.26	1013.63	1013.00	1055.00	1061.16	47.53
6190.000	87.40	954.00	1013.00	1045.00	1104.00	137.60
6210.000	89.01	653.00	722.00	734.00	803.00	150.00
6240.000	88.91	653.00	722.00	734.00	803.00	150.00
6260.000	89.99	657.50	720.00	745.00	807.50	150.00
6275.000	90.00	657.50	720.00	745.00	807.50	150.00
6375.000	90.13	165.00	225.00	255.00	315.00	150.00

SECNO	CHSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
6719.000	90.41	538.91	544.00	589.00	639.58	108.59
6728.000	90.42	538.83	544.00	585.00	639.58	108.67
6738.000	89.21	548.29	548.00	589.00	588.92	20.63
6748.000	89.23	548.28	548.00	589.00	588.93	20.64
6745.000	92.07	517.39	544.00	0.00	697.69	180.34
6925.000	92.24	43.79	80.00	100.00	240.00	196.21
7098.000	92.61	431.99	431.00	479.00	474.30	42.31
7099.000	92.56	431.50	431.00	470.00	467.54	36.03
7109.000	92.58	431.50	431.00	470.00	467.46	35.96
7106.000	92.58	431.90	431.00	470.00	467.47	35.96
7107.000	92.59	431.50	431.00	470.00	467.47	35.97
7109.000	92.61	431.50	431.00	470.00	467.49	35.99
7111.000	92.62	431.90	431.00	470.00	467.50	36.01
7116.000	92.65	431.49	431.00	470.00	467.54	36.04
7124.000	92.59	699.33	695.00	726.00	725.68	26.35
7126.000	92.67	699.26	695.00	729.00	727.74	28.47
7131.000	92.71	58.48	50.00	100.00	97.22	38.74
7138.000	93.15	58.54	50.00	119.00	113.11	54.58
7579.000	94.23	260.00	290.00	330.00	360.00	100.00
7929.000	94.67	174.44	195.00	223.00	259.00	84.56
7930.000	94.64	181.06	195.00	233.00	264.00	82.94
7940.000	94.94	190.27	190.00	251.00	250.82	60.55
7979.000	94.96	190.27	190.00	251.00	250.82	60.56
7980.000	94.97	170.50	190.00	251.00	250.82	60.32
7985.000	94.91	126.00	147.00	205.00	200.63	74.63
8175.000	95.58	290.00	305.00	375.00	390.00	100.00
8579.000	95.79	217.50	245.00	290.00	317.50	100.00
8749.000	96.14	1001.97	1000.00	1073.00	1086.50	84.53
8750.000	96.10	1004.69	1000.00	1073.00	1080.08	75.39

SERVICE ROOM BARRACKS ROOM, NC 2
 STRIPPER UNIT 2000S ROOM, NC 2

SECNO	CWSEL	SSYA	STCHL	STCHR	ENDST	TOPWID
8760.000	96.00	419.91	400.00	469.00	483.63	67.72
8785.000	96.09	415.84	400.00	469.00	483.70	67.86
8790.000	96.26	401.33	400.00	469.00	484.90	83.17
8795.000	96.16	568.50	600.00	637.00	668.50	100.00
8970.000	96.85	610.00	720.00	750.00	860.00	250.00
9205.000	97.10	308.00	400.00	457.00	558.00	250.00
9210.000	96.99	410.04	400.00	457.00	484.41	74.37
9215.000	97.10	501.91	491.00	557.00	585.13	83.23
9245.000	97.14	501.86	491.00	557.00	585.34	83.48
9250.000	97.20	494.41	491.00	557.00	603.57	109.19
9255.000	97.15	200.50	371.00	400.00	503.41	242.91
9580.000	98.10	262.50	370.00	405.00	512.50	250.00
9905.000	98.78	344.50	496.00	483.00	594.90	250.00

BLOUNTS CR RUSSEL ST TO

SUMMARY PRINTOUT

SECNO	TOPWID	AREA	CWSEL
3275.000	96.60	701.96	80.40
3276.000	96.60	702.01	80.40
3277.000	96.61	702.07	80.40
3278.000	96.61	702.12	80.40
3280.000	96.62	702.23	80.40
3285.000	96.65	702.51	80.41
3475.000	66.55	358.50	80.40
3775.000	90.44	514.00	81.46
4175.000	70.10	387.49	82.55
4575.000	100.00	663.91	83.72
4915.000	100.00	677.88	84.15
5175.000	70.18	379.39	84.28
5260.000	100.00	336.70	84.47
5265.000	100.00	315.22	84.44
5265.000	100.00	632.61	85.10
5300.000	150.00	680.88	85.10
5305.000	150.00	636.05	85.01
5310.000	150.00	453.94	84.99
5575.000	127.96	655.69	85.73
5775.000	116.38	509.73	85.91
6135.000	47.53	245.65	87.20
6190.000	137.60	239.67	87.40
6210.000	150.00	1692.06	89.01
6240.000	150.00	417.15	88.91
6260.000	150.00	862.85	89.99
6275.000	150.00	863.17	90.00
6375.000	150.00	954.80	90.13

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

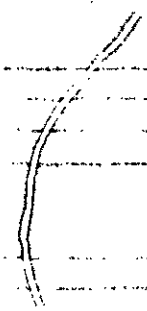
SECNO	TOPWID	AREA	CWSEL
6719.000	108.59	555.23	90.41
6720.000	108.67	556.10	90.42
6730.000	20.63	159.79	89.21
6740.000	20.64	160.33	89.23
6745.000	180.34	953.69	92.07
6929.000	196.21	652.28	92.24
7090.000	42.31	365.71	92.61
7099.000	36.03	324.65	92.56
7105.000	35.96	308.84	92.58
7106.000	35.96	309.04	92.58
7107.000	35.97	309.30	92.59
7109.000	35.99	309.77	92.61
7111.000	36.01	310.28	92.62
7116.000	36.04	311.42	92.65
7124.000	26.35	272.88	92.59
7126.000	28.47	286.16	92.67
7131.000	38.74	286.13	92.71
7138.000	54.58	389.70	93.15
7579.000	100.00	770.37	94.23
7929.000	84.56	559.47	94.67
7930.000	82.94	417.76	94.64
7940.000	60.59	504.38	94.94
7979.000	60.56	505.31	94.96
7980.000	80.32	508.22	94.97
7989.000	74.63	442.61	94.91
8175.000	100.00	899.40	95.58
8575.000	100.00	587.80	95.79
8745.000	84.53	641.80	96.14
8750.000	75.39	483.82	96.10

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SECNO	TOPWID	AREA	CMSEL
8768.000	67.72	438.77	96.06
8785.000	67.86	440.62	96.09
8790.000	83.17	573.45	96.26
8795.000	100.80	542.32	96.16
8970.000	250.00	1260.88	96.85
9205.000	250.00	1087.93	97.10
9210.000	74.37	462.77	96.99
9215.000	83.23	522.39	97.10
9245.000	83.48	525.32	97.14
9250.000	109.15	612.74	97.20
9255.000	242.91	739.18	97.15
9580.000	250.00	1149.41	98.10
9905.000	250.00	876.48	98.78

SUMMARY OF ERRORS

CAUTION SECNO= 6240.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO= 6240.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL



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

T1 FPMS BR FAYETTEVILLE FIS
 T2 100 YR NATURAL
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.00000	0.00	0.0	0.	61.400	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	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	50.000	42.000	5.000	43.000	0.000	38.000	1.000
	50.000	13.000	14.000	15.000	53.000	21.000	22.000	54.000	4.000	0.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.050	.200	.400	0.000	0.000	0.000	0.000	0.000
OT	7.000	2200.000	2200.000	2200.000	2200.000	930.000	1730.000	3820.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	385.000	435.000
X1	400.000	26.000	390.000	430.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	80.000	40.000	78.000	80.000	76.000	145.000	74.000	195.000	72.000	225.000
GR	70.000	280.000	68.000	290.000	66.000	298.000	64.000	302.000	62.000	309.000
GR	60.000	315.000	58.000	323.000	56.000	341.000	54.000	390.000	53.000	400.000
GR	52.000	412.000	52.000	424.000	53.000	427.000	54.000	430.000	56.000	453.000
GR	58.000	461.000	60.000	485.000	70.000	510.000	80.000	545.000	88.000	610.000
GR	89.000	780.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	960.000	610.000
X1	900.000	14.000	570.000	595.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	100.000	350.000	82.000	398.000	80.000	503.000	70.000	525.000	60.000	555.000
GR	57.000	570.000	54.000	574.000	54.000	590.000	56.200	595.000	60.000	615.000
GR	70.000	630.000	80.000	730.000	86.000	745.000	88.000	1110.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	415.000	495.000
X1	935.000	29.000	415.000	495.000	35.000	35.000	35.000	0.000	0.000	0.000
GR	78.000	28.000	80.000	130.000	81.000	205.000	80.000	285.000	78.000	330.000
GR	73.800	400.000	71.300	405.000	69.300	410.000	68.800	415.000	66.900	420.000
GR	64.500	425.000	54.300	430.000	53.700	435.000	54.000	440.000	54.900	445.000
GR	54.600	450.000	54.600	455.000	54.500	460.000	54.700	465.000	55.000	470.000
GR	56.100	475.000	60.300	480.000	65.600	485.000	69.100	490.000	71.500	495.000
GR	78.000	565.000	80.000	585.000	86.000	625.000	86.500	685.000	0.000	0.000
SB	1.250	2.040	2.500	0.000	100.000	4.000	1150.000	0.000	0.000	0.000

ET 0.000 0.000 9.100 0.000 0.000 0.000 0.000 0.000 415.000 495.000

X1	965.000	29.000	415.000	495.000	15.000	15.000	15.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	72.600	76.800	0.000	0.000	0.000	0.000	0.000
BT	10.000	28.000	78.000	72.600	205.000	81.000	72.600	285.000	80.000	72.600
BT	338.000	78.000	72.600	400.000	76.800	72.600	500.000	76.800	72.600	565.000
BT	78.000	72.600	585.000	80.000	72.600	625.000	86.000	72.600	885.000	86.500
BT	72.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	78.000	28.000	80.000	130.000	81.000	205.000	80.000	285.000	78.000	330.000
GR	73.800	400.000	71.300	405.000	69.300	410.000	68.800	415.000	66.900	420.000
GR	64.500	425.000	54.300	430.000	53.700	435.000	54.000	440.000	54.900	445.000
GR	54.600	450.000	54.600	455.000	54.500	460.000	54.700	465.000	55.000	470.000
GR	56.100	475.000	60.300	480.000	65.600	485.000	69.100	490.000	71.500	495.000
GR	78.000	565.000	80.000	585.000	86.000	625.000	86.500	885.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	503.000	730.000

X1	1000.000	14.000	503.000	730.000	35.000	35.000	35.000	0.000	0.000	0.000
GR	100.000	350.000	82.000	398.000	80.000	503.000	70.000	525.000	60.000	555.000
GR	57.000	570.000	54.000	574.000	54.000	590.000	56.200	595.000	60.000	615.000
GR	70.000	670.000	80.000	730.000	86.000	745.000	88.000	1110.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	465.000	520.000

X1	1500.000	16.000	465.000	520.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	86.500	0.000	86.000	410.000	84.000	440.000	82.000	445.000	80.000	452.000
GR	78.000	465.000	60.000	470.000	59.500	475.000	58.500	480.000	58.500	500.000
GR	59.800	505.000	60.000	508.000	70.000	520.000	80.000	670.000	86.000	715.000
GR	86.500	805.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	595.000	650.000

Y1	1800.000	17.000	595.000	650.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	88.000	28.000	86.000	455.000	84.000	510.000	82.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

Y1	1910.000	15.000	807.000	813.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	88.000	0.000	86.000	582.000	84.000	634.000	82.000	710.000	81.500	807.000
GR	81.500	807.000	67.700	807.000	61.700	807.000	61.700	813.000	67.700	890.000
GR	81.500	913.000	84.000	970.000	86.000	1070.000	88.000	1070.000	90.500	1220.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

X1	1915.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

X1	1925.000	0.000	0.000	0.000	10.000	10.000	10.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

X1	1912.000	0.000	0.000	0.000	2.000	2.000	0.000	1.000	.100	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

X1	1915.000	0.000	0.000	0.000	3.000	3.000	0.000	1.000	.100	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	807.000	910.000

X1	1920.000	0.000	0.000	0.000	5.000	5.000	0.000	1.000	.200	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	572.000	675.000

Vertical text on the right margin, possibly a page number or document identifier.

X1	2000.000	17.000	572.000	675.000	80.000	80.000	80.000	0.000	0.000	0.000
GR	88.000	28.000	86.000	455.000	84.000	510.000	92.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	610.000	690.000
X1	2100.000	15.000	610.000	690.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	86.500	0.000	86.000	510.000	84.000	565.000	82.000	610.000	80.000	615.000
GR	72.000	628.000	66.500	635.000	66.000	638.000	66.000	645.000	66.500	648.000
GR	72.000	660.000	80.000	690.000	86.000	715.000	88.000	780.000	90.000	900.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	610.000	690.000
X1	2105.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	610.000	690.000
X1	2110.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	80.000	145.000
X1	2275.000	15.000	80.000	145.000	175.000	175.000	175.000	0.000	0.000	0.000
GR	86.000	0.000	84.000	64.000	82.000	70.000	80.000	80.000	72.000	100.000
GR	67.500	105.000	67.000	108.000	67.000	118.000	67.500	120.000	72.000	125.000
GR	80.000	145.000	84.000	160.000	86.000	200.000	88.000	420.000	90.000	470.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	80.000	145.000
X1	2280.000	0.000	0.000	0.000	5.000	5.000	5.000	1.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	575.000	625.000
X1	2335.000	16.000	575.000	625.000	80.000	80.000	80.000	0.000	0.000	0.000
GR	87.000	0.000	86.000	445.000	85.800	450.000	85.800	574.000	82.800	575.000
GR	70.100	589.000	68.500	591.000	67.100	596.000	67.900	611.000	82.800	625.000
GR	85.800	626.000	85.800	660.000	86.000	810.000	87.000	855.000	88.000	960.000
GR	90.000	1270.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	575.000	625.000
X1	2340.000	16.000	575.000	625.000	5.000	5.000	5.000	0.000	0.000	0.000
GR	87.000	0.000	86.000	445.000	85.800	450.000	85.800	574.000	82.800	575.000
GR	70.100	589.000	68.500	591.000	67.100	596.000	67.900	611.000	82.800	625.000
GR	85.800	626.000	85.800	660.000	86.000	810.000	87.000	855.000	88.000	960.000
GR	90.000	1270.000	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	50.000	0.000	525.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	575.000	625.000
X1	2365.000	16.000	575.000	625.000	25.000	25.000	25.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	82.800	85.800	0.000	0.000	0.000	0.000	0.000
BT	10.000	0.000	87.000	82.800	445.000	86.000	82.800	450.000	85.800	82.800
BT	574.000	85.800	82.800	625.000	85.800	82.800	626.000	85.800	82.800	810.000
RT	86.000	82.800	855.000	87.000	82.800	960.000	88.000	82.800	1270.000	90.000
BT	82.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	87.000	0.000	86.000	445.000	85.800	450.000	85.800	574.000	82.800	575.000
GR	70.100	589.000	68.500	591.000	67.100	596.000	67.900	611.000	82.800	625.000
GR	85.800	626.000	85.800	660.000	86.000	810.000	87.000	855.000	88.000	960.000
GR	90.000	1270.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	9.100	0.000	0.000	0.000	0.000	0.000	85.000	140.000

PHOTO COPY FROM ORIGINAL

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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

BLOUNTS CR MOUTH TO RUS

SUMMARY PRINTOUT

SECNO	CHSEL	EG	DIFWSP	ELMIN	10K*5	Q
400.000	61.40	61.57	0.00	52.00	10.22	2200.00
400.000	61.40	61.95	0.00	52.00	23.36	2200.00
900.000	61.83	63.17	0.00	54.00	66.46	2200.00
900.000	62.82	63.95	.99	54.00	59.74	2200.00
935.000	63.09	63.50	0.00	53.70	24.01	2200.00
935.000	63.88	64.21	.78	53.70	17.86	2200.00
965.000	63.14	63.54	0.00	53.70	23.60	2200.00
965.000	63.91	64.24	.77	53.70	17.71	2200.00
1000.000	63.25	63.64	0.00	54.00	34.66	2200.00
1000.000	64.03	64.32	.78	54.00	23.19	2200.00
1500.000	65.43	66.45	0.00	58.50	82.86	2200.00
1500.000	65.56	66.53	.13	58.50	77.65	2200.00
1800.000	67.81	68.54	0.00	61.70	56.37	2200.00
1800.000	67.96	68.72	.15	61.70	66.63	2200.00
* 1910.000	67.97	69.35	0.00	61.70	569.32	2200.00
* 1910.000	68.01	69.35	.04	61.70	550.20	2200.00
1915.000	68.94	69.67	0.00	61.70	269.11	2200.00
1915.000	68.92	69.66	-.02	61.70	272.28	2200.00
1925.000	69.36	69.93	0.00	61.70	201.97	2200.00
1925.000	69.34	69.92	-.02	61.70	205.61	2200.00
1912.000	69.38	69.97	0.00	61.80	212.79	2200.00
1912.000	69.36	69.96	-.02	61.80	215.09	2200.00
1915.000	69.42	70.03	0.00	61.90	227.16	2200.00
1915.000	69.40	70.03	-.01	61.90	224.35	2200.00
1920.000	69.48	70.15	0.00	62.10	242.32	2200.00
1920.000	69.47	70.14	-.01	62.10	244.63	2200.00

SECNO	CWSEL	EG	DIFWSP	ELMIN	10K+S	Q
2000.000	70.33	70.54	0.00	61.70	14.65	2200.00
2000.000	70.33	70.53	-0.00	61.70	14.82	2200.00
2100.000	73.44	75.75	0.00	66.00	252.67	2200.00
2100.000	73.44	75.75	0.00	66.00	252.67	2200.00
2105.000	74.59	76.02	0.00	66.00	136.48	2200.00
2105.000	74.59	76.02	-0.00	66.00	136.48	2200.00
2110.000	74.78	76.10	0.00	66.00	123.80	2200.00
2110.000	74.78	76.10	-0.00	66.00	123.80	2200.00
2275.000	76.94	77.89	0.00	67.00	79.52	2200.00
2275.000	76.94	77.89	-0.00	67.00	79.52	2200.00
2280.000	77.00	77.93	0.00	67.00	77.69	2200.00
2280.000	77.00	77.93	-0.00	67.00	77.69	2200.00
2335.000	77.42	78.35	0.00	67.10	60.30	2200.00
2335.000	77.42	78.35	-0.00	67.10	60.31	2200.00
2340.000	77.46	78.38	0.00	67.10	59.53	2200.00
2340.000	77.46	78.38	-0.00	67.10	59.54	2200.00
2365.000	77.67	78.53	0.00	67.10	55.07	2200.00
2365.000	77.67	78.53	-0.00	67.10	55.07	2200.00
2400.000	77.89	78.74	0.00	67.50	67.07	2200.00
2400.000	77.89	78.74	0.00	67.50	67.07	2200.00
2600.000	79.26	79.51	0.00	69.00	20.35	2200.00
2600.000	79.26	79.51	0.00	69.00	20.35	2200.00
3100.000	80.17	80.31	0.00	69.00	8.99	2200.00
3100.000	80.19	80.35	0.03	69.00	9.64	2200.00
3160.000	80.20	80.38	0.00	69.40	8.42	2200.00
3160.000	80.24	80.41	0.03	69.40	8.32	2200.00
3190.000	80.22	80.39	0.00	69.40	8.37	2200.00
3190.000	80.25	80.42	0.03	69.40	8.28	2200.00
3275.000	80.39	80.46	0.00	70.00	4.08	2100.00
3275.000	80.33	80.49	-0.06	70.00	8.27	2100.00
3600.000	80.53	80.68	0.00	70.00	8.96	2100.00
3600.000	80.63	80.79	0.09	70.00	10.24	2100.00

BLOUNTS CR MOUTH TO RUS

SUMMARY PRINTOUT

SECNO	CHSEL	DTFWSP	QLOB	QCH	QROB	SSTA	STCHL	STCHR	ENDST	TOPWID
400.000	61.40	0.00	525.79	1395.67	270.54	310.80	390.00	430.00	488.50	177.70
400.000	61.40	0.00	45.33	2110.00	44.66	385.00	390.00	430.00	435.00	50.00
900.000	61.83	0.00	131.55	1854.85	213.60	549.52	570.00	595.00	625.04	75.52
900.000	62.82	.99	105.10	1904.07	190.83	560.00	570.00	595.00	610.00	50.00
935.000	63.09	0.00	0.00	2200.00	0.00	425.69	415.00	495.00	482.64	56.95
935.000	63.88	.78	0.00	2200.00	0.00	425.30	415.00	495.00	483.38	58.08
965.000	63.14	0.00	0.00	2200.00	0.00	425.67	415.00	495.00	482.68	57.01
965.000	63.91	.77	0.00	2200.00	0.00	425.29	415.00	495.00	483.41	58.12
1000.000	63.25	0.00	0.00	2200.00	0.00	545.25	503.00	730.00	632.88	87.64
1000.000	64.03	.78	0.00	2200.00	0.00	542.91	503.00	730.00	637.17	94.26
1500.000	65.43	0.00	0.00	2200.00	0.00	467.28	465.00	520.00	514.52	47.24
1500.000	65.56	.13	0.00	2200.00	0.00	467.22	465.00	520.00	514.68	47.40
1800.000	67.81	0.00	38.85	2118.79	42.37	580.40	595.00	650.00	665.87	85.47
1800.000	67.96	.15	0.00	2200.00	0.00	595.00	595.00	650.00	650.00	55.00
• 1910.000	67.97	0.00	0.00	563.19	1636.81	807.00	807.00	813.00	890.45	83.45
• 1910.000	68.01	.04	0.00	558.30	1641.70	807.00	807.00	813.00	890.52	83.52
1915.000	68.94	0.00	0.00	467.28	1732.72	807.00	807.00	813.00	892.06	85.06
1915.000	68.92	-.02	0.00	468.61	1731.39	807.00	807.00	813.00	892.03	85.03
1925.000	69.36	0.00	0.00	436.16	1763.84	807.00	807.00	813.00	892.77	85.77
1925.000	69.34	-.02	0.00	438.02	1761.98	807.00	807.00	813.00	892.73	85.73
1912.000	69.38	0.00	0.00	441.62	1758.38	807.00	807.00	813.00	892.64	85.64
1912.000	69.36	-.02	0.00	442.75	1757.25	807.00	807.00	813.00	892.61	85.61
1915.000	69.42	0.00	0.00	446.19	1753.81	807.00	807.00	813.00	892.53	85.53
1915.000	69.40	-.01	0.00	447.24	1752.76	807.00	807.00	813.00	892.50	85.50
1920.000	69.48	0.00	0.00	455.59	1744.41	807.00	807.00	813.00	892.31	85.31
1920.000	69.47	-.01	0.00	456.64	1743.36	807.00	807.00	813.00	892.29	85.29
2000.000	70.33	0.00	.00	2199.94	.06	571.61	572.00	675.00	677.44	105.83
2000.000	70.33	-.00	0.00	2200.00	0.00	572.00	572.00	675.00	675.00	103.00
• 2100.000	73.44	0.00	0.00	2200.00	0.00	625.66	610.00	690.00	665.40	39.75
• 2100.000	73.44	.00	0.00	2200.00	0.00	625.66	610.00	690.00	665.40	39.75
2105.000	74.59	0.00	0.00	2200.00	0.00	623.79	610.00	690.00	669.72	45.94
2105.000	74.59	-.00	0.00	2200.00	0.00	623.79	610.00	690.00	669.72	45.94
2110.000	74.78	0.00	0.00	2200.00	0.00	623.47	610.00	690.00	670.44	46.97
2110.000	74.78	-.00	0.00	2200.00	0.00	623.47	610.00	690.00	670.44	46.97
2275.000	76.94	0.00	0.00	2200.00	0.00	87.66	80.00	145.00	137.34	49.68
2275.000	76.94	-.00	0.00	2200.00	0.00	87.66	80.00	145.00	137.34	49.68

SECNO	CWSEL	DIFWSP	QLOB	QCH	QROB	SSTA	STCHL	STCHR	ENDST	TOPWID
2280.000	77.00	0.00	0.00	2200.00	0.00	87.53	80.00	145.00	137.47	49.93
2280.000	77.00	-0.00	0.00	2200.00	0.00	87.53	80.00	145.00	137.47	49.93
2335.000	77.42	0.00	0.00	2200.00	0.00	580.93	575.00	625.00	619.95	39.02
2335.000	77.42	-0.00	0.00	2200.00	0.00	580.93	575.00	625.00	619.95	39.02
2340.000	77.46	0.00	0.00	2200.00	0.00	580.89	575.00	625.00	619.98	39.09
2340.000	77.46	-0.00	0.00	2200.00	0.00	580.89	575.00	625.00	619.98	39.09
2365.000	77.67	0.00	0.00	2200.00	0.00	580.66	575.00	625.00	620.18	39.52
2365.000	77.67	-0.00	0.00	2200.00	0.00	580.66	575.00	625.00	620.18	39.52
2400.000	77.89	0.00	0.00	2200.00	0.00	87.64	85.00	140.00	134.73	47.09
2400.000	77.89	.00	0.00	2200.00	0.00	87.64	85.00	140.00	134.73	47.09
2600.000	79.26	0.00	0.00	2200.00	0.00	466.01	460.00	565.00	564.08	98.86
2600.000	79.26	.00	0.00	2200.00	0.00	466.01	460.00	565.00	564.07	98.86
3100.000	80.17	0.00	7.17	2168.88	24.03	19.16	35.00	140.00	191.68	172.51
3100.000	80.19	.03	0.00	2200.00	0.00	35.00	35.00	140.00	140.00	105.00
3160.000	80.20	0.00	0.00	2200.00	0.00	437.06	435.00	520.00	518.20	81.13
3160.000	80.24	.03	0.00	2200.00	0.00	437.02	435.00	520.00	518.24	81.23
3190.000	80.22	0.00	0.00	2200.00	0.00	437.04	435.00	520.00	518.22	81.18
3190.000	80.25	.03	0.00	2200.00	0.00	437.00	435.00	520.00	518.27	81.27
3275.000	80.39	0.00	521.96	1578.01	.03	526.11	690.00	763.00	764.75	236.63
3275.000	80.33	-0.06	0.00	2100.00	0.00	690.00	690.00	763.00	763.00	73.00
3600.000	80.53	0.00	26.99	1989.67	83.33	386.64	435.00	530.00	643.47	256.83
3600.000	80.63	.09	0.00	2100.00	0.00	435.00	435.00	530.00	530.00	95.00

SUMMARY OF ERRORS

- CAUTION SECNO= 1910.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1910.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1910.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1910.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1910.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1910.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

- CAUTION SECNO= 2100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2100.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2100.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2100.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2100.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2100.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, BLOUNTS CR MOUTH TO RUS
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
400.000	50.	421.	5.2	61.4	61.4	0.0
900.000	50.	335.	6.6	62.8	61.8	1.0
935.000	58.	476.	4.6	63.9	63.1	.8
965.000	58.	477.	4.6	63.9	63.1	.8
1000.000	94.	510.	4.3	64.1	63.3	.8
1900.000	47.	279.	7.9	65.5	65.4	.1
1800.000	55.	313.	7.0	67.9	67.8	.1
1910.000	84.	293.	7.5	68.0	68.0	0.0
1915.000	85.	369.	6.0	68.9	68.9	0.0
1925.000	86.	405.	5.4	69.4	69.4	0.0
1912.000	86.	399.	5.5	69.4	69.4	0.0
1915.000	86.	394.	5.6	69.4	69.4	0.0
1920.000	85.	383.	5.7	69.5	69.5	0.0
2000.000	103.	602.	3.7	70.3	70.3	0.0
2100.000	40.	180.	12.2	73.4	73.4	0.0
2105.000	46.	230.	9.6	74.6	74.6	0.0
2110.000	47.	239.	9.2	74.8	74.8	0.0
2275.000	50.	281.	7.8	76.9	76.9	0.0
2280.000	50.	283.	7.8	77.0	77.0	0.0
2335.000	39.	285.	7.7	77.4	77.4	0.0
2340.000	39.	287.	7.7	77.5	77.5	0.0
2365.000	40.	295.	7.5	77.7	77.7	0.0
2400.000	47.	298.	7.4	77.9	77.9	0.0
2600.000	98.	543.	4.1	79.3	79.3	0.0
3100.000	105.	701.	3.1	80.2	80.2	0.0
3160.000	81.	663.	3.3	80.2	80.2	0.0
3190.000	81.	664.	3.3	80.2	80.2	0.0
3275.000	73.	642.	3.3	80.4	80.4	0.0
3600.000	95.	645.	3.3	80.6	80.5	.1

NOV 17
1976

T1 FPMS BR FAYETTEVILLE FIS
T2 10 YR NATURAL
T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO		
	-1.	6.	-0	-0	.001000	-0	-0	-0	58.000	-0		
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE		
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0		
J3	-2,000	1,000	43,000	42,000	3,000	10,000	5,000	50,000	4,000	53,000		
J3	54,000	26,000	0	201,000	0	-0	-0	-0	-0	-0		
NC	.120	.120	.050	.200	.400	-0	-0	-0	-0	-0		
OT	7,000	2200,000	2200,000	2200,000	2200,000	930,000	1730,000	3820,000	-0	-0		
ET	-0	-0	9,100	-0	-0	-0	-0	-0	385,000	435,000		
X1	400,000	26,000	390,000	430,000	0	0	0	0	0	0		-0
GR	80,000	40,000	78,000	80,000	76,000	145,000	74,000	195,000	72,000	225,000		
GR	70,000	280,000	68,000	290,000	66,000	298,000	64,000	302,000	62,000	309,000		
GR	60,000	315,000	58,000	323,000	56,000	341,000	54,000	390,000	53,000	400,000		
GR	52,000	412,000	52,000	424,000	53,000	427,000	54,000	430,000	56,000	453,000		
GR	58,000	461,000	60,000	485,000	70,000	510,000	80,000	545,000	88,000	610,000		
GR	89,000	780,000	-0	-0	-0	-0	-0	-0	-0	-0		
ET	-0	-0	9,100	-0	-0	-0	-0	-0	560,000	610,000		
X1	900,000	14,000	570,000	595,000	500,000	500,000	500,000	0	0	0		-0
GR	100,000	350,000	82,000	398,000	80,000	503,000	70,000	525,000	60,000	555,000		
GR	57,000	570,000	54,000	574,000	54,000	590,000	56,200	595,000	60,000	615,000		
GR	70,000	670,000	80,000	730,000	86,000	745,000	88,000	1110,000	-0	-0		
ET	-0	-0	9,100	-0	-0	-0	-0	-0	415,000	495,000		
X1	935,000	29,000	415,000	495,000	35,000	35,000	35,000	0	0	0		-0
GR	78,000	28,000	80,000	130,000	81,000	205,000	80,000	285,000	78,000	330,000		
GR	73,800	400,000	71,300	405,000	69,300	410,000	68,800	415,000	66,900	420,000		
GR	64,500	425,000	54,300	430,000	53,700	435,000	54,000	440,000	54,900	445,000		
GR	54,600	450,000	54,600	455,000	54,500	460,000	54,700	465,000	55,000	470,000		
GR	56,100	475,000	60,300	480,000	65,600	485,000	69,100	490,000	71,500	495,000		
GR	78,000	565,000	80,000	585,000	86,000	625,000	86,500	885,000	-0	-0		
SB	1,250	2,040	2,500	0	100,000	4,000	1150,000	0	0	0		
ET	-0	-0	9,100	-0	-0	-0	-0	-0	415,000	495,000		
X1	965,000	29,000	415,000	495,000	15,000	15,000	15,000	0	0	0		-0
X2	0	0	1,000	72,600	76,800	-0	-0	-0	-0	-0		-0
BT	10,000	28,000	78,000	72,600	205,000	81,000	72,600	285,000	80,000	72,600		
BT	330,000	78,000	72,600	400,000	76,800	72,600	500,000	76,800	72,600	565,000		
BT	78,000	72,600	585,000	80,000	72,600	625,000	86,000	72,600	885,000	86,500		
BT	72,600	-0	-0	-0	-0	-0	-0	-0	-0	-0		-0
GR	78,000	28,000	80,000	130,000	81,000	205,000	80,000	285,000	78,000	330,000		
GR	73,800	400,000	71,300	405,000	69,300	410,000	68,800	415,000	66,900	420,000		
GR	64,500	425,000	54,300	430,000	53,700	435,000	54,000	440,000	54,900	445,000		
GR	54,600	450,000	54,600	455,000	54,500	460,000	54,700	465,000	55,000	470,000		
GR	56,100	475,000	60,300	480,000	65,600	485,000	69,100	490,000	71,500	495,000		
GR	78,000	565,000	80,000	585,000	86,000	625,000	86,500	885,000	-0	-0		
ET	-0	-0	9,100	-0	-0	-0	-0	-0	503,000	730,000		

STATE OF MISSISSIPPI
 DEPARTMENT OF REVENUE
 TAXATION DIVISION
 1000 BUREAU BUILDING
 JACKSON, MISSISSIPPI 39201

X1	1000.000	14.000	82.000	398.000	80.000	503.000	70.000	529.000	60.000	555.000
GR	1007.000	350.000	82.000	398.000	80.000	503.000	70.000	529.000	60.000	555.000
GR	57.000	570.000	54.000	574.000	54.000	590.000	56.200	595.000	60.000	615.000
GR	70.000	670.000	80.000	730.000	80.000	745.000	88.000	1110.000	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	465.000	520.000
X1	1500.000	16.000	465.000	520.000	500.000	500.000	500.000	0	0	-0
GR	86.500	0	86.000	410.000	84.000	440.000	82.000	445.000	80.000	452.000
GR	70.000	465.000	60.000	470.000	59.500	475.000	58.500	480.000	58.500	500.000
GR	59.800	505.000	60.000	508.000	70.000	520.000	80.000	670.000	86.000	715.000
GR	86.500	805.000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	595.000	650.000
X1	1800.000	17.000	595.000	650.000	300.000	300.000	300.000	0	0	-0
GR	88.000	28.000	86.000	455.000	84.000	510.000	82.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	-0	-0	-0	-0	-0	-0
SB	1.250	2.040	2.500	0	6.000	0	28.000	0	0	0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1910.000	15.000	807.000	813.000	10.000	10.000	10.000	0	0	-0
X2	0	0	1.000	67.720	81.500	-0	-0	-0	-0	-0
BT	10.000	0	88.000	67.700	582.000	86.000	67.700	710.000	82.000	67.700
BT	770.000	81.500	67.700	825.000	81.500	67.700	890.000	82.000	67.700	970.000
BT	84.000	67.700	1070.000	88.000	67.700	1180.000	90.000	67.700	1220.000	90.500
BT	67.700	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	88.000	0	86.000	582.000	84.000	634.000	82.000	710.000	81.500	807.000
GR	81.500	807.000	67.700	807.000	61.700	807.000	61.700	813.000	67.700	890.000
GR	81.500	913.000	84.000	970.000	86.000	1070.000	88.000	1070.000	90.500	1220.000
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1915.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1925.000	0	0	0	10.000	10.000	10.000	1.000	0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1912.000	0	0	0	2.000	2.000	0	1.000	.100	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1915.000	0	0	0	3.000	3.000	0	1.000	.100	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1920.000	0	0	0	5.000	5.000	0	1.000	.200	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	572.000	675.000
X1	2000.000	17.000	572.000	675.000	80.000	80.000	80.000	0	0	-0
GR	88.000	28.000	86.000	455.000	84.000	510.000	82.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	-0	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	610.000	690.000
X1	2100.000	15.000	610.000	690.000	100.000	100.000	100.000	0	0	-0
GR	86.500	0	86.000	510.000	84.000	565.000	82.000	610.000	80.000	615.000

UNITED STATES GOVERNMENT
 PRINTING OFFICE: 1967 O 341-100

GR	72,000	820,000	86,500	639,000	88,000	638,000	88,000	645,000	86,500	648,000
GR	72,000	660,000	80,000	690,000	88,000	715,000	88,000	780,000	90,000	900,000
ET	-0	-0	9,100	-0	-0	-0	-0	-0	620,000	690,000
X1	2105,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	610,000	690,000
X1	2110,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	80,000	145,000
X1	2275,000	15,000	80,000	145,000	175,000	175,000	175,000	0	0	-0
GR	86,000	0	84,000	64,000	82,000	70,000	80,000	80,000	72,000	100,000
GR	67,500	105,000	67,000	108,000	67,000	118,000	67,500	120,000	72,000	125,000
GR	80,000	145,000	84,000	160,000	86,000	200,000	88,000	420,000	90,000	470,000
ET	-0	-0	9,100	-0	-0	-0	-0	-0	80,000	145,000
X1	2280,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	575,000	625,000
X1	2335,000	16,000	575,000	625,000	60,000	60,000	60,000	0	0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	575,000	625,000
X1	2340,000	16,000	575,000	625,000	5,000	5,000	5,000	0	0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,250	2,040	2,500	0	50,000	0	525,000	0	0	0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	575,000	625,000
X1	2365,000	16,000	575,000	625,000	25,000	25,000	25,000	0	0	-0
X2	0	0	1,000	82,800	85,800	-0	-0	-0	-0	-0
BT	10,000	0	87,000	82,800	445,000	86,000	82,800	450,000	85,800	82,800
BT	574,000	85,800	82,800	625,000	85,800	82,800	626,000	85,800	82,800	810,000
BT	86,000	82,800	855,000	87,000	82,800	960,000	88,000	82,800	1270,000	90,000
BT	82,800	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	85,000	140,000
X1	2400,000	13,000	85,000	140,000	35,000	35,000	35,000	0	0	-0
GR	86,000	0	84,000	70,000	80,000	85,000	72,000	95,000	68,000	100,000
GR	67,500	104,000	67,500	111,000	68,000	115,000	72,000	120,000	80,000	140,000
GR	86,000	155,000	88,000	280,000	90,000	660,000	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	460,000	565,000
X1	2600,000	10,000	460,000	565,000	200,000	200,000	200,000	0	0	-0
GR	86,500	0	86,000	380,000	84,000	440,000	82,000	455,000	80,000	460,000
GR	72,000	525,000	69,500	530,000	69,000	533,000	69,000	552,000	69,500	554,000
GR	72,000	555,000	80,000	565,000	86,000	580,000	88,000	640,000	88,000	750,000
GR	90,500	1030,000	-0	-0	-0	-0	-0	-0	-0	-0

100.2

20-1002 (use only when required)

	0	0	9,100	0	0	0	0	0	35,000	140,000
X1	3100.000	16,000	35,000	140,000	600,000	600,000	600,000	0	0	-0
GR	84,000	0	82,000	10,000	80,000	20,000	78,000	35,000	72,000	70,000
GR	69,500	73,000	69,000	77,000	69,000	87,000	69,500	90,000	72,000	100,000
GR	78,000	140,000	80,000	190,000	82,000	210,000	84,000	230,000	86,000	260,000
GR	88,000	280,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	520,000
X1	3160.000	15,000	435,000	520,000	60,000	60,000	60,000	0	0	-0
GR	84,500	0	86,000	190,000	87,000	428,000	81,800	428,000	81,700	435,000
GR	73,000	447,000	69,800	460,000	70,700	474,000	69,400	484,000	70,800	504,000
GR	81,400	520,000	81,600	525,000	87,000	525,000	88,000	570,000	89,000	840,000
SB	1,250	2,040	2,500	0	93,000	4,000	690,000	0	0	0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	520,000
X1	3190.000	15,000	435,000	520,000	15,000	15,000	15,000	0	0	-0
X2	0	0	1,000	82,900	84,500	-0	-0	-0	-0	-0
BT	8,000	0	84,500	82,900	190,000	86,000	82,900	428,000	87,000	82,900
BT	430,000	87,000	82,900	465,000	87,000	82,900	525,000	87,000	82,900	570,000
BT	88,000	82,900	840,000	89,000	82,900	-0	-0	-0	-0	-0
GR	84,500	0	86,000	190,000	87,000	428,000	81,800	428,000	81,700	435,000
GR	73,000	447,000	69,800	460,000	70,700	474,000	69,400	484,000	70,800	504,000
GR	81,400	520,000	81,600	525,000	87,000	525,000	88,000	570,000	89,000	840,000
QT	7,000	2100,000	2100,000	2100,000	2100,000	920,000	1660,000	3650,000	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	690,000	763,000
X1	3275.000	17,000	690,000	763,000	85,000	85,000	85,000	0	0	-0
GR	85,800	0	84,000	500,000	82,000	510,000	80,000	530,000	78,000	550,000
GR	76,000	580,000	74,000	690,000	72,000	710,000	70,500	730,000	70,000	735,000
GR	70,000	750,000	70,500	755,000	72,000	760,000	80,000	763,000	86,000	790,000
GR	88,000	800,000	90,000	830,000	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	530,000
X1	3600.000	15,000	435,000	530,000	325,000	325,000	325,000	0	0	-0
GR	86,500	0	84,000	90,000	84,000	315,000	82,000	350,000	80,000	400,000
GR	78,000	435,000	72,000	470,000	70,500	475,000	70,000	479,000	70,000	486,000
GR	70,500	490,000	72,000	495,000	76,000	530,000	80,000	640,000	90,000	705,000
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 FIS
 T2 50 YR NATURAL
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	7.	-0	-0	.001000	-0	-0	-0	60.000	-0
J2	NPROF	IPLDT	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 400,000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
400.00	8.47	60.47	0	60.00	60.62	.15	0	0	54.00
1730.	388.	1146.	195.	343.	312.	189.	0	0	54.00
0	1.13	3.67	1.03	.120	.050	.120	0	52.00	313.58
.001002	0	0	0	0	0	4	0	172.61	486.18

*SECNO 900,000

3301 HV CHANGED MORE THAN HVINS

900.00	6.96	60.96	0	0	62.16	1.19	1.12	.42	57.00
1730.	78.	1517.	134.	38.	163.	60.	6.	1.	56.20
.02	2.04	9.32	2.24	.120	.050	.120	.050	54.00	552.09
.008734	500.	500.	500.	1	0	1	0	68.24	620.33

*SECNO 935,000

3301 HV CHANGED MORE THAN HVINS

935.00	8.44	62.14	0	0	62.47	.33	.14	.17	68.80
1730.	0	1730.	0	0	377.	0	7.	1.	71.50
.02	0	4.59	0	.120	.050	.120	.050	53.70	426.16
.002205	35.	35.	35.	3	0	1	0	55.58	481.73

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SH NOT SPECIFIED

STATION 8, MOORE AVENUE, RALEIGH, N.C.

2

 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 FAYETTVILLE FIS
 T2 100 YR NATURAL
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FQ
	-10,	2,	-0	-0	,001000	-0	-0	-0	61,000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IUN	CHNIM	ITRACE
	3,000	-0	-1,000	-0	-0	-0	-0	-0	-0	-0

*PROF 3

CCHV= .200 CEHV= .400

*SECNO 400,000

SECNO	DEPTH	CWSEL	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
400.00	9.41	61.41	0	61.00	61.58	.17	0	0	54.00
2200.	526.	1395.	279.	416.	349.	243.	0	0	54.00
0	1.27	3.99	1.15	.120	.050	.120	0	52.00	310.77
.001017	0	0	0	0	0	3	0	177.75	488.52

*SECNO 900,000

3301 HV CHANGED MORE THAN HVINS

900.00	7.83	61.83	0	0	63.17	1.34	1.13	.47	57.00
2200.	132.	1854.	214.	55.	184.	84.	8.	1.	56.20
.02	2.40	10.06	2.55	.120	.050	.120	.050	54.00	549.50
.008615	500.	500.	500.	2	0	1	0	75.57	625.08

*SECNO 935,000

3301 HV CHANGED MORE THAN HVINS

935.00	9.40	63.10	0	0	63.50	.41	.14	.19	68.80
2200.	0	2200.	0	0	430.	0	8.	2.	71.50
.02	0	5.11	0	.120	.050	.120	.050	53.70	425.69
.002398	35.	35.	35.	3	0	1	0	56.95	482.64

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 500 YR NATURAL
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	8.	-0	-0	.001000	-0	-0	-0	63,000	-0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	15,000	-0	-1,000	-0	-0	-0	-0	-0	-0	-0

*PROF 4

CCHV= .200 CEHV= .400

*SECNO 400,000

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
400.00	12.14	64.14	0	63.00	64.36	.22	0	0	54.00
3820.	1026.	2193.	601.	645.	459.	412.	0	0	54.00
0	1.59	4.78	1.46	.120	.050	.120	0	52.00	301.72
.001015	0	0	0	0	0	3	0	193.64	495.36

*SECNO 900,000

3301 HV CHANGED MORE THAN HVINS

900.00	10.38	64.38	0	0	66.03	1.64	1.10	.57	57.00
3820.	362.	2898.	560.	117.	248.	179.	12.	2.	56.20
.01	3.09	11.68	3.13	.120	.050	.120	.050	54.00	541.84
.007806	500.	500.	500.	2	0	1	0	97.28	639.13

*SECNO 935,000

3301 HV CHANGED MORE THAN HVINS

935.00	12.03	65.73	0	0	66.38	.66	.16	.20	68.80
3820.	0	3820.	0	0	586.	0	12.	2.	71.50
.02	0	6.52	0	.120	.050	.120	.050	53.70	422.45
.003014	35.	35.	35.	3	0	1	0	62.73	485.18

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SR NOT SPECIFIED

SUMMARY PRINTOUT

BLOUNTS CR MOUTH TO RUS

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
400.00	58.43	930.00	52.00	58.54	.11	10.05	0	144.85	321.29	466.14	3.0
400.00	60.47	1730.00	52.00	60.62	.15	10.02	2.05	172.61	313.58	486.18	3.6
400.00	61.41	2200.00	52.00	61.58	.17	10.17	.94	177.75	310.77	488.52	3.9
400.00	64.14	3820.00	52.00	64.36	.22	10.15	2.73	193.64	301.72	495.36	4.7
900.00	59.11	930.00	54.00	59.96	.85	90.51	0	50.91	559.43	610.34	7.5
900.00	60.96	1730.00	54.00	62.16	1.19	87.34	1.85	68.24	552.09	620.33	9.3
900.00	61.83	2200.00	54.00	63.17	1.34	86.15	.87	75.57	549.50	625.08	10.0
900.00	64.38	3820.00	54.00	66.03	1.64	78.06	2.55	97.28	541.84	639.13	11.6
935.00	60.02	930.00	53.70	60.22	.19	18.85	0	52.49	427.19	479.68	3.5
935.00	62.14	1730.00	53.70	62.47	.33	22.05	2.11	55.58	426.16	481.73	4.5
935.00	63.10	2200.00	53.70	63.50	.41	23.98	.96	56.95	425.69	482.64	5.1
935.00	65.73	3820.00	53.70	66.38	.66	30.14	2.63	62.73	422.45	485.18	6.5
965.00	60.04	930.00	53.70	60.24	.19	18.70	0	52.51	427.18	479.69	3.5
965.00	62.17	1730.00	53.70	62.50	.32	21.72	2.13	55.63	426.14	481.77	4.5
965.00	63.14	2200.00	53.70	63.54	.40	23.57	.97	57.01	425.67	482.68	5.0
965.00	65.80	3820.00	53.70	66.45	.65	29.47	2.66	63.01	422.28	485.29	6.4
1000.00	60.06	930.00	54.00	60.39	.33	49.69	0	60.55	554.81	615.35	4.5
1000.00	62.24	1730.00	54.00	62.61	.37	37.82	2.18	79.12	548.25	627.37	4.8
1000.00	63.25	2200.00	54.00	63.64	.39	34.62	1.01	87.66	545.24	632.89	5.0
1000.00	66.17	3820.00	54.00	66.60	.42	26.57	2.92	112.47	536.48	648.95	5.2
1500.00	62.93	930.00	58.50	63.46	.53	73.17	0	43.00	468.53	511.53	5.8
1500.00	64.62	1730.00	58.50	65.46	.85	80.16	1.68	45.84	467.69	513.54	7.3
1500.00	65.43	2200.00	58.50	66.45	1.01	82.86	.82	47.24	467.28	514.52	8.0
1500.00	67.75	3820.00	58.50	69.27	1.52	90.46	2.32	51.18	466.12	517.30	9.8
1800.00	65.29	930.00	61.70	65.76	.48	80.25	0	65.38	590.02	655.41	5.5
1800.00	66.96	1730.00	61.70	67.61	.65	62.21	1.68	78.67	583.66	662.33	6.5
1800.00	67.81	2200.00	61.70	68.54	.72	56.37	.85	85.47	580.40	665.87	6.9
1800.00	70.33	3820.00	61.70	71.24	.91	44.89	2.52	105.84	571.61	677.45	7.9
1910.00	82.39	930.00	61.70	82.40	.00	.49	0	238.62	694.86	933.48	.5
1910.00	83.33	1730.00	61.70	83.34	.01	1.35	.93	295.42	659.36	954.78	1.0
1910.00	83.71	2200.00	61.70	83.73	.02	2.00	.38	318.20	645.13	963.32	1.2
1910.00	84.69	3820.00	61.70	84.74	.05	4.68	.99	388.69	615.97	1004.66	1.9
1915.00	82.39	930.00	61.70	82.40	.00	.49	0	238.35	695.03	933.38	.5
1915.00	83.33	1730.00	61.70	83.34	.01	1.35	.93	295.05	659.59	954.64	1.0
1915.00	83.71	2200.00	61.70	83.73	.02	1.99	.38	318.67	644.83	963.50	1.2
1915.00	84.70	3820.00	61.70	84.74	.05	4.66	.99	389.63	615.65	1005.28	1.9
1925.00	82.39	930.00	61.70	82.40	.00	.49	0	238.38	695.01	933.39	.5
1925.00	83.33	1730.00	61.70	83.34	.01	1.35	.93	295.13	659.54	954.68	1.0
1925.00	83.71	2200.00	61.70	83.73	.02	1.99	.38	318.79	644.75	963.55	1.2
1925.00	84.70	3820.00	61.70	84.75	.05	4.66	.99	389.99	615.53	1005.52	1.9
1912.00	82.39	930.00	61.80	82.40	.00	.50	0	232.30	698.81	931.11	.6
1912.00	83.33	1730.00	61.80	83.34	.01	1.39	.93	289.07	663.33	952.40	1.0
1912.00	83.71	2200.00	61.80	83.73	.02	2.04	.38	312.73	648.54	961.27	1.2
1912.00	84.70	3820.00	61.80	84.75	.05	4.79	.99	382.04	618.25	1000.29	1.9

Pre-12
Station

SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH	
1915.00	82.39	930.00	61.90	82.40	.00	.51	0	226.23	702.61	928.84	.6	
1915.00	83.33	1730.00	61.90	83.34	.01	1.42	.93	283.00	667.12	950.13	1.0	
1915.00	83.71	2200.00	61.90	83.73	.02	2.09	.38	306.67	652.33	959.00	1.2	
1915.00	84.70	3820.00	61.90	84.75	.05	4.91	.99	374.51	620.82	995.34	2.0	
1920.00	82.39	930.00	62.10	82.40	.01	.53	0	213.25	711.03	924.28	.6	
1920.00	83.33	1730.00	62.10	83.34	.01	1.49	.93	270.87	674.71	945.58	1.0	
1920.00	83.71	2200.00	62.10	83.73	.02	2.19	.38	294.56	659.90	954.46	1.2	
1920.00	84.70	3820.00	62.10	84.75	.05	5.17	.99	359.44	625.98	985.42	2.0	
2000.00	82.40	930.00	61.70	82.40	.00	.05	0	241.97	538.02	779.99	.4	
2000.00	83.34	1730.00	61.70	83.35	.01	.15	.94	270.21	521.54	791.76	.8	
2000.00	83.72	2200.00	61.70	83.74	.01	.23	.39	281.89	514.73	796.62	1.0	
2000.00	84.73	3820.00	61.70	84.77	.04	.56	1.01	326.95	489.68	816.63	1.6	
2100.00	82.39	930.00	66.00	82.41	.02	1.01	0	98.85	601.13	699.98	1.2	
2100.00	83.31	1730.00	66.00	83.37	.07	2.54	.92	123.16	580.61	703.78	2.1	
2100.00	83.68	2200.00	66.00	83.78	.10	3.63	.37	133.05	572.27	705.32	2.5	
2100.00	84.61	3820.00	66.00	84.87	.25	8.10	.94	161.09	548.13	709.22	4.0	
2105.00	82.39	930.00	66.00	82.41	.02	1.01	0	98.85	601.12	699.98	1.2	
2105.00	83.31	1730.00	66.00	83.38	.07	2.54	.92	123.18	580.60	703.78	2.1	
2105.00	83.68	2200.00	66.00	83.78	.10	3.63	.37	133.08	572.25	705.32	2.5	
2105.00	84.62	3820.00	66.00	84.87	.25	8.09	.94	161.16	548.07	709.23	4.0	
2110.00	82.39	930.00	66.00	82.41	.02	1.01	0	98.87	601.11	699.98	1.2	
2110.00	83.31	1730.00	66.00	83.38	.07	2.54	.92	123.21	580.57	703.78	2.1	
2110.00	83.68	2200.00	66.00	83.78	.10	3.62	.37	133.13	572.20	705.33	2.5	
2110.00	84.62	3820.00	66.00	84.88	.25	8.08	.94	161.29	547.96	709.25	4.0	
2285	2275.00	82.40	930.00	67.00	82.44	.04	1.48	0	85.25	68.78	154.03	1.5
2275.00	83.34	1730.00	67.00	83.44	.10	3.68	.94	91.63	65.94	157.57	2.5	
2275.00	83.73	2200.00	67.00	83.88	.15	5.24	.39	94.22	64.79	159.01	3.1	
2275.00	84.72	3820.00	67.00	85.09	.37	11.60	.99	133.59	40.87	174.46	4.9	
2280.00	82.40	930.00	67.00	82.44	.04	1.48	0	85.25	68.78	154.03	1.5	
2280.00	83.35	1730.00	67.00	83.44	.10	3.68	.94	91.64	65.94	157.58	2.5	
2280.00	83.73	2200.00	67.00	83.88	.15	5.24	.39	94.23	64.78	159.02	3.1	
2280.00	84.73	3820.00	67.00	85.09	.37	11.58	1.00	133.85	40.71	174.56	4.9	
2335.00	82.40	930.00	67.10	82.46	.05	2.29	0	49.20	575.43	624.63	1.8	
2335.00	83.34	1730.00	67.10	83.49	.15	6.05	.94	50.36	574.82	625.18	3.1	
2335.00	83.72	2200.00	67.10	83.95	.23	8.74	.38	50.61	574.69	625.31	3.8	
2335.00	84.68	3820.00	67.10	85.27	.59	20.12	.96	51.26	574.37	625.63	6.1	
2340.00	82.40	930.00	67.10	82.46	.05	2.29	0	49.21	575.43	624.63	1.8	
2340.00	83.34	1730.00	67.10	83.50	.15	6.05	.94	50.36	574.82	625.18	3.1	
2340.00	83.73	2200.00	67.10	83.96	.23	8.73	.38	50.62	574.69	625.31	3.8	
2340.00	84.69	3820.00	67.10	85.28	.59	20.07	.97	51.26	574.37	625.63	6.1	
2365.00	82.41	930.00	67.10	82.46	.05	2.29	0	49.19	575.44	624.63	1.8	
2365.00	83.54	1730.00	67.10	83.69	.15	5.70	1.13	50.49	574.75	625.25	3.0	
2365.00	84.07	2200.00	67.10	84.28	.22	7.91	.52	50.84	574.58	625.42	3.7	
2365.00	85.69	3820.00	67.10	86.19	.51	15.53	1.62	51.92	574.04	625.96	5.7	

2285

2280

2335

2340

2365

SECNO	CWSEL	D	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
2400.00	82.43	930.00	67.50	82.47	.05	1.89	0	70.12	75.93	146.05	1.7
2400.00	83.59	1730.00	67.50	83.71	.12	4.44	1.16	77.41	71.55	148.96	2.8
2400.00	84.13	2200.00	67.50	84.31	.18	6.06	.55	84.99	65.34	150.33	3.4
2400.00	85.87	3820.00	67.50	86.26	.39	11.00	1.74	150.23	4.46	154.68	5.0
2600.00	82.48	930.00	69.00	82.50	.02	.80	0	119.83	451.37	571.21	1.0
2600.00	83.73	1730.00	69.00	83.78	.04	1.72	1.25	132.34	442.00	574.33	1.7
2600.00	84.34	2200.00	69.00	84.41	.06	2.25	.61	146.18	429.68	575.86	2.0
2600.00	86.30	3820.00	69.00	86.43	.13	3.67	1.96	439.94	149.17	589.11	2.9
3100.00	82.53	930.00	69.00	82.54	.01	.53	0	207.92	7.36	215.28	.9
3100.00	83.83	1730.00	69.00	83.86	.03	1.11	1.30	227.49	.84	228.32	1.4
3100.00	84.48	2200.00	69.00	84.52	.04	1.44	.64	237.14	0	237.14	1.7
3100.00	86.53	3820.00	69.00	86.61	.08	2.25	2.06	265.31	0	265.31	2.4
3160.00	82.53	930.00	69.40	82.55	.02	.68	0	97.00	428.00	525.00	1.0
3160.00	83.83	1730.00	69.40	83.88	.05	1.56	1.30	97.00	428.00	525.00	1.7
3160.00	84.47	2200.00	69.40	84.54	.07	2.09	.64	97.00	428.00	525.00	2.1
3160.00	86.51	3820.00	69.40	86.66	.15	3.60	2.04	407.78	0	525.00	3.1
3190.00	82.53	930.00	69.40	82.55	.02	.68	0	97.00	428.00	525.00	1.0
3190.00	83.98	1730.00	69.40	84.03	.05	1.49	1.45	97.00	428.00	525.00	1.7
3190.00	84.72	2200.00	69.40	84.79	.07	1.96	.74	125.13	0	525.00	2.1
3190.00	86.83	3820.00	69.40	86.97	.14	3.27	2.11	485.63	0	525.00	3.0
3275.00	82.55	920.00	70.00	82.55	.01	.33	0	267.14	507.30	774.43	.8
3275.00	84.03	1660.00	70.00	84.04	.02	.64	1.48	288.50	492.62	781.12	1.2
3275.00	84.79	2100.00	70.00	84.81	.02	.80	.76	503.61	280.93	784.55	1.4
3275.00	86.97	3650.00	70.00	87.01	.03	1.17	2.19	794.87	0	794.87	1.8
3600.00	82.56	920.00	70.00	82.57	.01	.59	0	316.37	340.25	656.62	.9
3600.00	84.05	1660.00	70.00	84.07	.02	.99	1.49	578.31	88.04	666.35	1.3
3600.00	84.81	2100.00	70.00	84.84	.03	1.14	.77	611.02	60.33	671.36	1.5
3600.00	87.01	3650.00	70.00	87.05	.04	1.44	2.20	685.57	0	685.57	1.9

2415

2615

3145

3205

3235

3260

FLOOD INSURANCE ZONE DATA FOR BLOUNTS CR MOUTH TO RUS

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10"	2"	0.2"
400.000	0	-3.0	-.9	2.7
900.000	500,	-2.7	-.9	2.6
935.000	535,	-3.1	-1.0	2.6
965.000	550,	-3.1	-1.0	2.7
1000.000	585,	-3.2	-1.0	2.9
1500.000	1085,	-2.5	-.8	2.3
1800.000	1385,	-2.5	-.8	2.5
1910.000	1395,	-1.3	-.4	1.0
1915.000	1400,	-1.3	-.4	1.0
1925.000	1410,	-1.3	-.4	1.0
1912.000	1411,	-1.3	-.4	1.0
1915.000	1412,	-1.3	-.4	1.0
1920.000	1413,	-1.3	-.4	1.0
2000.000	1493,	-1.3	-.4	1.0
2100.000	1593,	-1.3	-.4	.9
2105.000	1598,	-1.3	-.4	.9
2110.000	1603,	-1.3	-.4	.9
2275.000	1778,	-1.3	-.4	1.0
2280.000	1783,	-1.3	-.4	1.0
2335.000	1843,	-1.3	-.4	1.0
2340.000	1848,	-1.3	-.4	1.0
2365.000	1873,	-1.7	-.5	1.6
2400.000	1908,	-1.7	-.5	1.7
2600.000	2108,	-1.9	-.6	2.0
3100.000	2708,	-1.9	-.6	2.1
3160.000	2768,	-1.9	-.6	2.0
3190.000	2783,	-2.2	-.7	2.1
3275.000	2868,	-2.2	-.8	2.2
3600.000	3193,	-2.3	-.8	2.2

WEIGHTED AVG FOR REACH		-2.2	-.7	2.1

FHF FOR THE REACH = 020 WITH 100.0% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 4

7/10
12/24/76

SUMMARY PRINTOUT

BLOUNTS CR BRANSONS TO

SECNO	CHSEL	Q	ELMIN	EG	HV	DIFWSP
11775.00	103.70	1910.00	93.70	103.79	.09	0
11800.00	103.79	1500.00	94.30	103.82	.03	0
12050.00	103.91	1500.00	95.00	103.94	.03	0
12100.00	103.95	1500.00	94.60	103.97	.03	0
12120.00	110.00	1500.00	94.60	110.02	.02	0
12200.00	110.01	1500.00	95.50	110.03	.02	0
12450.00	110.05	1500.00	96.50	110.08	.03	0
12700.00	110.10	1500.00	96.10	110.15	.05	0
12730.00	110.13	1500.00	97.30	110.17	.04	0
12790.00	112.01	1500.00	97.30	112.02	.01	0
12820.00	112.01	1500.00	96.90	112.02	.01	0
14270.00	112.31	1500.00	103.10	112.34	.03	0
15000.00	112.90	1500.00	106.10	112.97	.06	0
16000.00	115.74	1500.00	110.10	115.87	.13	0
16040.00	118.29	1240.00	110.50	118.31	.02	0
• 18580.00	124.20	1070.00	119.80	125.04	.85	0
• 18600.00	132.85	1070.00	131.90	133.23	.37	0
18601.00	133.15	1070.00	131.90	133.34	.18	0
18603.00	133.28	1070.00	131.90	133.42	.14	0
18605.00	133.36	1070.00	131.90	133.48	.12	0
18610.00	133.49	1070.00	131.90	133.59	.10	0
18615.00	133.59	1070.00	131.90	133.67	.08	0
18630.00	133.70	1070.00	128.00	133.70	.00	0
20650.00	134.07	820.00	128.40	134.08	.01	0
21100.00	134.35	820.00	129.80	134.40	.05	0
21800.00	136.94	750.00	130.70	137.09	.15	0
24060.00	142.99	620.00	135.30	143.02	.03	0

SECNO	CHSEL	O	ELMIN	EG	HV	DIFWSP
25040.00	145.71	560.00	140.00	146.40	.70	0
25105.00	148.16	560.80	142.40	148.21	.05	0
25165.00	153.50	560.00	142.40	153.52	.01	0
25210.00	153.51	560.00	142.10	153.53	.02	0

SUMMARY PRINTOUT

BLOUNTS CR BRANSONS TO

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
11775.00	0	520.50	581.00	610.00	670.50	150.00
11800.00	0	285.00	345.00	375.00	435.00	150.00
12050.00	0	391.00	458.00	474.00	541.00	150.00
12100.00	0	443.50	516.00	521.00	593.50	150.00
12120.00	0	468.50	516.00	521.00	568.50	100.00
12200.00	0	319.00	357.00	381.00	419.00	100.00
12450.00	0	280.00	315.00	345.00	380.00	100.00
12700.00	0	505.00	534.00	576.00	605.00	100.00
12730.00	0	507.00	550.00	564.00	607.00	100.00
12790.00	0	467.00	550.00	564.00	647.00	180.00
12820.00	0	465.00	548.00	562.00	645.00	180.00
14270.00	0	720.00	800.00	820.00	900.00	180.00
15000.00	0	720.00	800.00	820.00	900.00	180.00
16000.00	0	720.00	800.00	820.00	900.00	180.00
16040.00	0	613.00	698.00	708.00	793.00	180.00
* 18580.00	0	400.17	400.00	416.00	498.00	97.82
* 18600.00	0	302.72	400.00	416.00	604.48	301.76
18601.00	0	282.01	400.00	416.00	609.85	327.84
18603.00	0	272.93	400.00	416.00	612.12	339.19
18605.00	0	267.35	400.00	416.00	613.52	346.16
18610.00	0	257.17	400.00	416.00	616.06	358.90
18615.00	0	250.10	400.00	416.00	617.83	367.73
18630.00	0	350.84	400.00	416.00	758.83	407.99
20650.00	0	405.00	500.00	510.00	605.00	200.00
21100.00	0	806.50	900.00	913.00	1006.50	200.00
21800.00	0	434.84	494.00	506.00	562.68	127.84
24060.00	0	553.00	648.00	658.00	717.68	164.68

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
25040.00	0	739.37	790.00	813.00	817.20	77.83
• 25105.00	0	703.00	800.00	806.00	823.59	120.59
25165.00	0	763.00	800.00	806.00	843.00	80.00
25210.00	0	762.50	793.00	812.00	842.50	80.00

SUMMARY PRINTOUT

BLOUNTS CR BRANSONS TO

SECNO	Q	AREA	TOPWID
11775.00	1910.00	975.64	150.00
11800.00	1500.00	1177.05	150.00
12050.00	1500.00	1096.18	150.00
12100.00	1500.00	1124.70	150.00
12120.00	1500.00	1379.07	100.00
12200.00	1500.00	1394.49	100.00
12450.00	1500.00	1272.80	100.00
12700.00	1500.00	963.65	100.00
12730.00	1500.00	975.45	100.00
12790.00	1500.00	1889.67	180.00
12820.00	1500.00	1845.91	180.00
14270.00	1500.00	1239.88	180.00
15000.00	1500.00	806.99	180.00
16000.00	1500.00	597.57	180.00
16040.00	1240.00	1079.05	180.00
18580.00	1070.00	179.62	97.82
18600.00	1070.00	221.04	301.76
18601.00	1070.00	315.64	327.84
18603.00	1070.00	358.04	339.19
18605.00	1070.00	384.79	346.16
18610.00	1070.00	435.06	358.90
18615.00	1070.00	471.01	367.73
18630.00	1070.00	2029.31	407.99
20650.00	820.00	1038.58	200.00
21100.00	820.00	522.81	200.00
21800.00	750.00	296.62	127.84
24060.00	620.00	505.58	164.68

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SECNO	Q	AREA	TOPWID
25040.00	560.00	103.88	77.83
25105.00	560.00	363.52	120.59
25165.00	560.00	637.89	80.00
25210.00	560.00	616.21	80.00

OWEN
ST

POSSIBLE ERROR SECNO# 18500.00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO# 18580.00 PROFILE#	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR SECNO# 18600.00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO# 18600.00 PROFILE#	1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR SECNO# 18600.00 PROFILE#	1 SLOPE TOO STEEP
POSSIBLE ERROR SECNO# 25105.00 PROFILE#	1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO# 25105.00 PROFILE#	1 20 TRIALS REQUIRED TO BALANCE WSEL

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

* 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 BLOUNTS CR BRANSONS TO OWEN ST

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ	
	-1.	3.	-0	0	0	-0	-0	-0	103.700	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	38,000	43,000	25,000	4,000	
NC	.100	.100	.060	.200	.400	0	0	0	0	0	
QT	7,000	1910,000	1910,000	1910,000	1910,000	800,000	1490,000	3320,000	0	0	
ET	0	0	150,200	0	0	0	0	0	0	0	
X1	11775,000	18,000	581,000	610,000	0	0	0	0	0	0	
GR	113,000	0	103,400	34,000	100,400	50,000	97,500	150,000	96,400	250,000	
GR	96,300	350,000	97,100	450,000	98,000	550,000	97,500	581,000	94,800	585,000	
GR	93,700	590,000	93,700	596,000	96,000	610,000	98,300	650,000	105,400	750,000	
GR	102,300	1150,000	108,400	1450,000	111,400	1550,000	0	0	0	0	
QT	7,000	1500,000	1500,000	1500,000	1500,000	600,000	1160,000	2660,000	0	0	
NC	.100	.100	.070	.200	.400	0	0	0	0	0	
X1	11800,000	14,000	345,000	375,000	25,000	25,000	25,000	0	0	0	
GR	108,000	0	100,000	40,000	98,000	60,000	96,000	90,000	96,000	140,000	
GR	96,000	330,000	95,000	345,000	94,300	350,000	94,300	370,000	95,500	375,000	
GR	96,000	380,000	98,000	445,000	100,000	465,000	110,000	475,000	0	0	
X1	12050,000	15,000	458,000	474,000	250,000	250,000	250,000	0	0	0	
GR	110,000	0	108,000	23,000	106,000	93,200	104,000	124,300	102,000	233,000	
GR	100,000	299,000	98,000	416,000	96,000	458,000	95,000	462,000	95,000	470,000	
GR	96,000	474,000	96,000	521,000	98,000	602,000	98,000	711,000	100,000	932,000	
X1	12100,000	12,000	516,000	521,000	50,000	50,000	50,000	0	0	0	
GR	110,000	0	100,000	300,000	98,000	450,000	96,000	510,000	96,000	516,000	
GR	94,600	516,000	94,600	521,000	96,000	521,000	96,000	600,000	98,000	830,000	
GR	100,000	1100,000	110,000	1530,000	0	0	0	0	0	0	
SB	1.250	2,040	2,500	0	6,000	.010	36,000	0	0	0	
ET	0	0	100,200	0	0	0	0	0	0	0	
X1	12120,000	0	0	0	50,000	50,000	50,000	0	0	0	
X2	0	0	1,000	101,650	109,000	0	0	0	0	0	
BT	8,000	0	112,000	101,600	152,000	110,000	101,600	163,000	109,000	101,600	
BT	291,000	109,000	101,600	338,000	109,000	101,600	544,000	109,000	101,600	563,000	
BT	110,000	101,600	629,000	112,000	101,600	0	0	0	0	0	
ET	0	0	100,200	0	0	0	0	0	0	0	
X1	12200,000	9,000	357,000	381,000	80,000	80,000	80,000	0	0	0	
GR	110,000	0	100,000	82,000	98,000	159,000	96,000	357,000	95,500	361,000	
GR	95,500	377,000	96,000	381,000	98,000	536,000	100,000	800,000	0	0	
X1	12450,000	11,000	315,000	345,000	250,000	250,000	250,000	0	0	0	

GR	110,000	210,000	100,000	230,000	98,000	240,000	97,500	300,000	97,000	315,000
GR	96,500	320,000	96,500	340,000	97,000	345,000	98,000	360,000	100,000	510,000
GR	110,000	1040,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	12700,000	28,000	534,000	576,000	250,000	250,000	250,000	0	0	-0
GR	120,000	50,000	117,600	111,000	113,200	318,000	107,100	326,000	104,900	374,000
GR	101,100	465,000	102,500	507,000	101,700	534,000	98,100	544,000	97,300	550,000
GR	97,700	554,000	96,700	559,000	96,100	563,000	97,300	568,000	101,100	576,000
GR	101,800	580,000	105,400	688,000	108,100	770,000	108,400	810,000	110,000	910,000
GR	112,000	925,000	114,000	970,000	116,000	1005,000	118,000	1045,000	120,000	1075,000
GR	122,000	1170,000	124,000	1285,000	126,000	1390,000	-0	-0	-0	-0
X1	12730,000	21,000	550,000	564,000	30,000	30,000	30,000	-0	-0	-0
GR	116,000	180,000	114,000	250,000	112,000	260,000	110,000	290,000	110,000	325,000
GR	104,000	370,000	102,000	440,000	100,000	540,000	100,000	550,000	97,400	550,000
GR	97,300	558,000	97,500	564,000	100,000	564,000	100,000	576,000	102,000	590,000
GR	104,000	610,000	106,000	650,000	108,000	700,000	110,000	910,000	112,000	920,000
GR	114,000	970,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,250	2,040	2,500	-0	14,000	.010	84,000	-0	-0	-0
ET	-0	-0	180,200	-0	-0	-0	-0	-0	-0	-0
X1	12790,000	-0	-0	-0	60,000	60,000	60,000	-0	-0	-0
X2	0	0	1,000	103,300	110,400	-0	-0	-0	-0	-0
BT	10,000	25,000	120,000	103,300	250,000	115,400	103,300	450,000	112,400	103,300
BT	564,000	111,500	103,300	700,000	110,400	103,300	800,000	110,900	103,300	1000,000
BT	115,000	103,300	1160,000	120,000	103,300	1200,000	122,000	103,300	1335,000	126,000
BT	103,300	-0	-0	-0	-0	-0	-0	-0	-0	-0
X1	12820,000	31,000	548,000	562,000	30,000	30,000	30,000	0	0	-0
GR	130,100	38,000	120,100	88,000	116,900	205,000	117,000	288,000	112,400	298,000
GR	114,500	308,000	114,100	313,000	108,600	472,000	97,900	522,000	97,900	531,000
GR	100,400	536,000	98,900	548,000	98,000	550,000	97,000	554,000	96,900	555,000
GR	97,000	557,000	98,400	561,000	98,900	562,000	103,800	632,000	105,900	650,000
GR	106,300	652,000	107,600	684,000	107,700	780,000	111,500	875,000	114,100	930,000
GR	116,000	1035,000	118,000	1100,000	120,000	1160,000	122,000	1220,000	124,000	1320,000
GR	126,000	1390,000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.070	.200	.400	-0	-0	-0	-0	-0
X1	14270,000	29,000	800,000	820,000	1450,000	1450,000	1450,000	0	0	-0
GR	130,000	0	128,000	30,000	126,000	100,000	124,000	155,000	122,000	215,000
GR	120,000	245,000	118,000	290,000	116,000	330,000	114,000	450,000	112,000	555,000
GR	110,000	600,000	105,000	780,000	105,400	800,000	104,300	801,000	103,100	810,000
GR	104,300	820,000	105,400	820,000	105,300	870,000	108,600	944,000	112,000	975,000
GR	114,000	1000,000	116,000	1210,000	118,000	1260,000	120,000	1325,000	122,000	1345,000
GR	124,000	1375,000	126,000	1400,000	128,000	1415,000	130,000	1450,000	-0	-0
X1	15000,000	0	0	0	730,000	730,000	730,000	0	3,000	-0
X1	16000,000	0	0	0	1000,000	1000,000	1000,000	0	4,000	-0
QT	7,000	1240,000	1240,000	1240,000	1240,000	470,000	930,000	2275,000	-0	-0
X1	16040,000	18,000	698,000	708,000	1770,000	1770,000	1770,000	0	0	-0
GR	140,000	30,000	130,000	100,000	120,000	340,000	119,300	399,000	117,600	459,000
GR	117,000	505,000	116,200	550,000	116,800	599,000	112,600	658,000	112,200	698,000
GR	111,200	700,000	110,500	704,000	111,200	708,000	112,000	708,000	112,000	901,000
GR	120,000	1000,000	130,000	1100,000	140,000	1260,000	-0	-0	-0	-0
QT	7,000	1070,000	1070,000	1070,000	1070,000	400,000	780,000	2000,000	-0	-0

X1	18500.000	27.000	400.000	416.000	2540.000	2540.000	2540.000	0	0	-0
GR	140.400	142.000	141.000	192.000	134.400	210.000	133.000	220.000	132.700	258.000
GR	131.000	306.000	127.200	328.000	124.400	364.000	124.600	400.000	122.300	401.000
GR	120.300	405.000	120.000	407.000	119.800	409.000	120.000	411.000	120.700	412.000
GR	121.600	414.000	122.300	416.000	123.100	445.000	122.500	474.000	121.900	537.000
GR	124.400	590.000	128.500	612.000	130.900	649.000	131.000	700.000	133.300	710.000
GR	144.900	839.000	153.600	859.000	-0	-0	-0	-0	-0	-0
ET	-0	-0	4000.200	-0	-0	-0	-0	-0	-0	-0

X1	18600.000	21.000	400.000	416.000	20.000	20.000	20.000	0	0	-0
GR	150.300	151.000	141.800	179.000	137.400	230.000	133.600	250.000	132.900	300.000
GR	132.000	350.000	132.000	400.000	132.000	407.000	132.800	409.000	132.000	411.000
GR	132.000	416.000	131.900	450.000	131.900	500.000	132.100	550.000	132.600	600.000
GR	135.400	650.000	134.100	700.000	135.700	750.000	140.600	789.000	142.000	829.000
GR	154.600	859.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	18601.000	0	0	0	1.000	1.000	1.000	1.000	0	-0
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X1	18603.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
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X1	18605.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
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X1	18610.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
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X1	18615.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
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X1	18630.000	19.000	400.000	416.000	30.000	30.000	30.000	0	0	-0
GR	160.500	41.000	149.200	156.000	139.600	248.000	133.900	349.000	128.300	400.000
GR	128.300	407.000	128.300	409.000	128.300	411.000	128.300	416.000	128.300	459.000
GR	128.000	539.000	128.200	618.000	128.300	723.000	129.400	739.000	134.600	763.000
GR	136.500	829.000	139.800	864.000	154.500	920.000	156.400	938.000	-0	-0
QT	7.000	820.000	820.000	820.000	820.000	300.000	620.000	1550.000	-0	-0
ET	-0	-0	200.200	-0	-0	-0	-0	-0	-0	-0

X1	20650.000	30.000	500.000	510.000	2020.000	2020.000	2020.000	0	0	-0
GR	160.000	80.000	158.000	95.000	156.000	115.000	154.000	125.000	152.000	135.000
GR	150.100	139.000	149.500	175.000	145.300	351.000	129.800	383.000	128.500	411.000
GR	128.700	500.000	128.400	505.000	128.600	510.000	129.100	580.000	130.000	590.000
GR	132.000	620.000	134.000	650.000	136.000	665.000	138.000	678.000	140.000	688.000
GR	142.000	705.000	144.000	720.000	146.000	735.000	148.000	754.000	150.000	770.000
GR	152.000	785.000	154.000	815.000	156.000	845.000	158.000	877.000	160.000	900.000

X1	21100.000	36.000	900.000	913.000	450.000	450.000	450.000	0	0	-0
GR	170.000	85.000	168.000	115.000	166.000	140.000	164.000	160.000	162.000	175.000
GR	160.000	195.000	158.000	208.000	156.000	220.000	154.000	230.000	152.000	245.000
GR	150.000	260.000	148.000	280.000	146.700	319.000	140.900	388.000	140.500	416.000
GR	140.300	468.000	139.900	549.000	140.100	682.000	136.200	744.000	133.000	795.000
GR	132.600	851.000	132.200	864.000	131.400	896.000	130.200	900.000	129.800	905.000
GR	130.100	913.000	134.600	1073.000	144.200	1165.000	155.900	1270.000	158.000	1290.000
GR	160.000	1310.000	162.000	1325.000	164.000	1342.000	166.000	1362.000	168.000	1382.000
GR	170.000	1410.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	750.000	750.000	750.000	750.000	270.000	570.000	1430.000	-0	-0

X1	21800.000	24.000	494.000	506.000	700.000	700.000	700.000	0	0	-0
GR	160.000	10.000	158.000	30.000	156.000	60.000	154.000	90.000	152.000	150.000

SUMMARY PRINTOUT

***** FINAL NATURALS _SAVE_*****

BLOUNTS CR RUSSEL TO ST

SECNO	CWSFL	Q	ELMIN	EG	HV	DIFWSP
3275.00	82.60	870.00	70.00	82.61	.01	0
3275.00	84.00	1610.00	70.00	84.03	.03	1.40
3275.00	84.80	2050.00	70.00	84.84	.04	.80
3275.00	87.00	3550.00	70.00	87.08	.08	2.20
3276.00	82.60	870.00	70.00	82.61	.01	0
3276.00	84.00	1610.00	70.00	84.03	.03	1.40
3276.00	84.80	2050.00	70.00	84.84	.04	.80
3276.00	87.00	3550.00	70.00	87.08	.08	2.20
3277.00	82.60	870.00	70.00	82.61	.01	0
3277.00	84.00	1610.00	70.00	84.03	.03	1.40
3277.00	84.80	2050.00	70.00	84.84	.04	.80
3277.00	87.00	3550.00	70.00	87.08	.08	2.20
3278.00	82.60	870.00	70.00	82.61	.01	0
3278.00	84.00	1610.00	70.00	84.03	.03	1.40
3278.00	84.80	2050.00	70.00	84.84	.04	.80
3278.00	87.00	3550.00	70.00	87.08	.08	2.20
3280.00	82.60	870.00	70.00	82.61	.01	0
3280.00	84.00	1610.00	70.00	84.03	.03	1.40
3280.00	84.80	2050.00	70.00	84.84	.04	.80
3280.00	87.00	3550.00	70.00	87.08	.08	2.20
3285.00	82.60	870.00	70.00	82.61	.01	0
3285.00	84.00	1610.00	70.00	84.03	.03	1.40
3285.00	84.80	2050.00	70.00	84.84	.04	.80
3285.00	87.00	3550.00	70.00	87.08	.08	2.20
3475.00	82.61	870.00	70.90	82.63	.01	0
3475.00	84.03	1610.00	70.90	84.06	.03	1.42
3475.00	84.84	2050.00	70.90	84.88	.04	.81
3475.00	87.07	3550.00	70.90	87.13	.06	2.23
3775.00	82.65	870.00	72.50	82.66	.01	0
3775.00	84.10	1610.00	72.50	84.12	.02	1.45
3775.00	84.93	2050.00	72.50	84.94	.02	.82
3775.00	87.19	3550.00	72.50	87.21	.03	2.26
4175.00	82.71	870.00	73.30	82.73	.03	0
4175.00	84.18	1610.00	73.30	84.24	.06	1.48
4175.00	85.01	2050.00	73.30	85.06	.07	.83
4175.00	87.24	3550.00	73.30	87.37	.09	2.27
4575.00	82.83	870.00	73.40	82.88	.05	0
4575.00	84.38	1610.00	73.40	84.46	.09	1.55
4575.00	85.22	2050.00	73.40	85.32	.10	.85
4575.00	87.51	3550.00	73.40	87.63	.12	2.29
4915.00	82.94	870.00	73.40	82.98	.04	0
4915.00	84.54	1610.00	73.40	84.61	.07	1.60
4915.00	85.39	2050.00	73.40	85.47	.08	.86
4915.00	87.72	3550.00	73.40	87.79	.07	2.32

COMPUTER SERVICES 3400 KENNEDY ROAD, N.C.
 CHARLOTTE, N.C. 28209

SFCNO	CWSFL	Q	ELMIN	FG	HV	DIFWSP
5175.00	82.98	870.00	73.40	83.15	.17	0
5175.00	84.59	1610.00	73.40	84.86	.27	1.61
5175.00	85.47	2050.00	73.40	85.72	.25	.88
5175.00	87.81	3550.00	73.40	87.93	.12	2.35
5260.00	83.05	870.00	73.40	83.28	.23	0
5260.00	84.65	1610.00	73.40	85.07	.42	1.60
5260.00	85.52	2050.00	73.40	85.92	.40	.87
5260.00	87.84	3550.00	73.40	88.04	.21	2.32
5265.00	83.04	870.00	73.40	83.30	.26	0
5265.00	84.63	1610.00	73.40	85.11	.48	1.59
5265.00	85.48	2050.00	73.40	85.96	.48	.85
5265.00	87.77	3550.00	73.40	88.10	.33	2.29
5265.00	83.26	870.00	73.40	83.34	.08	0
5265.00	85.01	1610.00	73.40	85.17	.16	1.75
5265.00	85.83	2050.00	73.40	86.02	.19	.82
5265.00	87.97	3550.00	73.40	88.13	.16	2.15
5300.00	83.35	870.00	73.40	83.42	.07	0
5300.00	85.01	1610.00	73.40	85.17	.16	1.66
5300.00	85.83	2050.00	73.40	86.02	.19	.82
5300.00	87.97	3550.00	73.40	88.13	.16	2.15
5305.00	83.29	870.00	73.40	83.46	.17	0
5305.00	84.98	1610.00	73.40	85.20	.22	1.69
5305.00	85.84	2050.00	73.40	86.02	.18	.86
5305.00	88.06	3550.00	73.40	88.15	.09	2.22
5310.00	83.28	870.00	74.00	83.48	.19	0
5310.00	84.90	1610.00	74.00	85.26	.36	1.62
5310.00	85.71	2050.00	74.00	86.11	.40	.81
5310.00	87.97	3550.00	74.00	88.21	.24	2.26
5575.00	83.60	870.00	77.40	83.73	.13	0
5575.00	85.41	1610.00	77.40	85.56	.14	1.81
5575.00	86.27	2050.00	77.40	86.41	.14	.86
5575.00	88.28	3550.00	77.40	88.42	.14	2.01
5775.00	83.74	850.00	77.90	84.09	.35	0
5775.00	85.50	1575.00	77.90	85.89	.38	1.76
5775.00	86.32	2010.00	77.90	86.73	.40	.82
5775.00	88.26	3480.00	77.90	88.77	.51	1.94
6135.00	84.77	850.00	78.50	85.09	.32	0
6135.00	86.46	1575.00	78.50	86.68	.22	1.69
6135.00	87.27	2010.00	78.50	87.44	.17	.81
6135.00	89.23	3480.00	78.50	89.34	.10	1.97
6190.00	84.77	850.00	78.50	85.40	.63	0
6190.00	85.99	1575.00	78.50	87.31	1.32	1.21
6190.00	87.10	2010.00	78.50	88.13	1.04	1.11
6190.00	89.18	3480.00	78.50	89.50	.32	2.09

COMPARISON OF THEORETICAL & EXPERIMENTAL DATA

SFCNO	CWSFL	Q	ELMIN	EG	HV	DIFWSP
6210.00	85.52	850.00	68.70	85.53	.01	0
6210.00	87.57	1575.00	68.70	87.58	.01	2.05
6210.00	88.33	2010.00	68.70	88.35	.02	.77
6210.00	89.54	3480.00	68.70	89.57	.03	1.21
* 6240.00	85.03	850.00	78.50	87.64	2.61	0
* 6240.00	88.64	1575.00	78.50	89.09	.45	3.61
* 6240.00	88.85	2010.00	78.50	89.40	.55	.21
* 6240.00	89.51	3480.00	78.50	90.24	.73	.66
6260.00	88.06	650.00	78.50	88.16	.10	0
6260.00	88.94	1575.00	78.50	89.17	.22	.88
6260.00	89.16	2010.00	78.50	89.48	.32	.22
6260.00	89.58	3480.00	78.50	90.34	.76	.41
6275.00	88.07	850.00	78.50	88.17	.10	0
6275.00	88.96	1575.00	78.50	89.18	.22	.89
6275.00	89.18	2010.00	78.50	89.50	.32	.23
6275.00	89.65	3480.00	78.50	90.38	.73	.46
6375.00	88.12	850.00	78.40	88.20	.08	0
6375.00	89.09	1575.00	78.40	89.25	.16	.97
6375.00	89.39	2010.00	78.40	89.60	.21	.30
6375.00	90.24	3480.00	78.40	90.61	.36	.85
6715.00	88.27	840.00	80.10	88.41	.15	0
6715.00	89.37	1560.00	80.10	89.64	.27	1.10
6715.00	89.76	2000.00	80.10	90.13	.37	.39
6715.00	90.85	3450.00	80.10	91.53	.68	1.10
6720.00	88.28	840.00	80.10	88.42	.14	0
6720.00	89.38	1560.00	80.10	89.66	.27	1.11
6720.00	89.78	2000.00	80.10	90.15	.37	.40
6720.00	90.89	3450.00	80.10	91.56	.67	1.11
6730.00	88.04	840.00	80.40	88.63	.59	0
6730.00	88.56	1560.00	80.40	90.31	1.76	.51
* 6730.00	90.71	2000.00	80.40	91.67	.96	2.16
* 6730.00	91.66	3450.00	80.40	92.58	.92	.95
6740.00	88.15	840.00	80.40	88.72	.57	0
6740.00	89.07	1560.00	80.40	90.66	1.59	.92
6740.00	91.02	2000.00	80.40	91.67	.66	1.95
6740.00	91.81	3450.00	80.40	92.58	.76	.80
6745.00	88.78	840.00	80.40	88.84	.06	0
6745.00	90.91	1560.00	80.40	90.98	.07	2.13
6745.00	91.71	2000.00	80.40	91.80	.08	.80
6745.00	92.53	3450.00	80.40	92.71	.18	.81
6925.00	89.00	840.00	80.00	89.24	.24	0
6925.00	90.95	1560.00	80.00	91.41	.46	1.95
6925.00	91.70	2000.00	80.00	92.28	.58	.75
6925.00	92.42	3450.00	80.00	93.72	1.50	.72

CONTINUED FROM PREVIOUS PAGE
 FORM NO. 10-64

SFCNO	CWSFL	Q	ELMIN	FG	HV	DIFWSP
7090.00	89.38	840.00	81.30	89.58	.19	0
7090.00	91.55	1560.00	81.30	91.92	.36	2.17
7090.00	92.41	2000.00	81.30	92.89	.49	.86
7090.00	93.95	3450.00	81.30	94.98	1.03	1.54
7095.00	89.37	840.00	81.30	89.60	.24	0
7095.00	91.52	1560.00	81.30	91.97	.46	2.15
7095.00	92.35	2000.00	81.30	92.97	.62	.84
7095.00	93.86	3450.00	81.30	95.15	1.35	1.45
7105.00	89.38	840.00	82.10	89.65	.27	0
7105.00	91.53	1560.00	82.10	92.04	.51	2.15
7105.00	92.37	2000.00	82.10	93.05	.68	.84
7105.00	93.85	3450.00	82.10	95.31	1.46	1.47
7106.00	89.38	840.00	82.10	89.65	.27	0
7106.00	91.54	1560.00	82.10	92.05	.51	2.15
7106.00	92.38	2000.00	82.10	93.06	.68	.84
7106.00	93.86	3450.00	82.10	95.32	1.46	1.48
7107.00	89.38	840.00	82.10	89.66	.27	0
7107.00	91.54	1560.00	82.10	92.05	.51	2.16
7107.00	92.39	2000.00	82.10	93.07	.68	.84
7107.00	93.88	3450.00	82.10	95.33	1.46	1.49
7109.00	89.39	840.00	82.10	89.66	.27	0
7109.00	91.55	1560.00	82.10	92.06	.51	2.16
7109.00	92.40	2000.00	82.10	93.08	.68	.85
7109.00	93.92	3450.00	82.10	95.36	1.44	1.52
7111.00	89.40	840.00	82.10	89.67	.27	0
7111.00	91.56	1560.00	82.10	92.07	.51	2.16
7111.00	92.42	2000.00	82.10	93.09	.68	.85
7111.00	93.95	3450.00	82.10	95.38	1.43	1.54
7116.00	89.42	840.00	82.10	89.69	.27	0
7116.00	91.59	1560.00	82.10	92.10	.50	2.17
7116.00	92.45	2000.00	82.10	93.13	.67	.86
7116.00	94.04	3450.00	82.10	95.45	1.40	1.59
7124.00	89.43	840.00	81.40	89.73	.30	0
7124.00	91.57	1560.00	81.40	92.19	.62	2.14
7124.00	92.39	2000.00	81.40	93.26	.87	.83
7124.00	93.81	3450.00	81.40	95.79	1.98	1.42
7126.00	89.45	840.00	81.40	89.73	.28	0
7126.00	91.62	1560.00	81.40	92.19	.57	2.17
7126.00	92.48	2000.00	81.40	93.27	.79	.86
7126.00	94.06	3450.00	81.40	95.79	1.73	1.58
7131.00	89.42	840.00	81.00	89.79	.37	0
7131.00	91.62	1560.00	81.00	92.25	.63	2.20
7131.00	92.51	2000.00	81.00	93.31	.80	.89
7131.00	94.48	3450.00	81.00	95.91	1.44	1.96

CONTINUED FROM PREVIOUS PAGE

SECNO	CWSFL	Q	ELMIN	EG	HV	DIFWSP
7136.00	89.61	840.00	81.00	89.84	.23	0
7136.00	91.97	1560.00	81.00	92.33	.35	2.37
7136.00	92.98	2000.00	81.00	93.41	.43	1.01
7136.00	95.43	3450.00	81.00	96.10	.68	2.44
7575.00	90.46	840.00	82.30	90.56	.00	0
7575.00	92.93	1560.00	82.30	93.04	.11	2.47
7575.00	94.04	2000.00	82.30	94.15	.11	1.10
7575.00	96.78	3450.00	82.30	96.91	.13	2.75
7925.00	90.88	830.00	82.90	91.12	.24	0
7925.00	93.28	1540.00	82.90	93.50	.22	2.40
7925.00	94.38	1970.00	82.90	94.55	.18	1.09
7925.00	97.11	3410.00	82.90	97.21	.10	2.73
7930.00	90.88	830.00	82.90	91.14	.26	0
7930.00	93.16	1540.00	82.90	93.60	.44	2.28
7930.00	94.19	1970.00	82.90	94.69	.51	1.03
7930.00	96.98	3410.00	82.90	97.30	.32	2.79
7940.00	91.04	830.00	83.00	91.19	.15	0
7940.00	93.46	1540.00	83.00	93.67	.21	2.41
7940.00	94.51	1970.00	83.00	94.77	.26	1.05
7940.00	96.93	3410.00	83.00	97.38	.46	2.42
7975.00	91.05	830.00	83.00	91.20	.15	0
7975.00	93.47	1540.00	83.00	93.69	.21	2.42
7975.00	94.53	1970.00	83.00	94.79	.26	1.05
7975.00	96.93	3410.00	83.00	97.38	.46	2.40
7980.00	91.07	830.00	83.00	91.21	.14	0
7980.00	93.48	1540.00	83.00	93.70	.21	2.42
7980.00	94.54	1970.00	83.00	94.80	.26	1.06
7980.00	97.02	3410.00	83.00	97.41	.39	2.48
7985.00	91.03	830.00	83.10	91.26	.23	0
7985.00	93.42	1540.00	83.10	93.76	.34	2.39
7985.00	94.48	1970.00	83.10	94.86	.39	1.06
7985.00	96.99	3410.00	83.10	97.45	.46	2.52
8175.00	91.59	830.00	82.00	91.63	.05	0
8175.00	94.12	1540.00	82.00	94.20	.08	2.53
8175.00	95.23	1970.00	82.00	95.33	.10	1.12
8175.00	97.84	3410.00	82.00	98.00	.17	2.60
8575.00	91.81	830.00	84.40	91.98	.17	0
8575.00	94.33	1540.00	84.40	94.58	.25	2.52
8575.00	95.47	1970.00	84.40	95.73	.26	1.13
8575.00	98.15	3410.00	84.40	98.41	.26	2.68
8745.00	92.16	820.00	84.40	92.26	.10	0
8745.00	94.73	1520.00	84.40	94.82	.09	2.57
8745.00	95.87	1950.00	84.40	95.96	.09	1.14
8745.00	98.52	3375.00	84.40	98.61	.09	2.65

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
 DATE 10/15/2010 BY 60322 UCBAW/SJS/STP

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
8750.00	92.12	820.00	84.40	92.29	.17	0
8750.00	94.65	1520.00	84.40	94.89	.24	2.53
8750.00	95.76	1950.00	84.40	96.04	.28	1.11
8750.00	98.34	3375.00	84.40	98.73	.39	2.59
8760.00	92.11	820.00	84.20	92.35	.25	0
8760.00	94.62	1520.00	84.20	94.96	.33	2.51
8760.00	95.72	1950.00	84.20	96.11	.39	1.10
8760.00	98.25	3375.00	84.20	98.85	.60	2.53
8785.00	92.13	820.00	84.20	92.37	.24	0
8785.00	94.65	1520.00	84.20	94.98	.33	2.52
8785.00	95.75	1950.00	84.20	96.14	.39	1.11
8785.00	98.30	3375.00	84.20	98.89	.59	2.55
8790.00	92.24	820.00	84.20	92.40	.16	0
8790.00	94.81	1520.00	84.20	95.02	.20	2.57
8790.00	95.98	1950.00	84.20	96.19	.21	1.16
8790.00	98.80	3375.00	84.20	98.98	.18	2.83
8795.00	92.08	820.00	86.40	92.54	.45	0
8795.00	94.83	1520.00	86.40	95.03	.20	2.75
8795.00	95.06	1950.00	86.40	96.21	.15	1.23
8795.00	98.69	3375.00	86.40	99.00	.11	2.84
8970.00	93.13	820.00	86.40	93.22	.10	0
8970.00	95.28	1520.00	86.40	95.38	.10	2.15
8970.00	96.39	1950.00	86.40	96.48	.10	1.11
8970.00	99.10	3375.00	86.40	99.19	.10	2.71
9205.00	93.54	810.00	85.60	93.69	.15	0
9205.00	95.59	1500.00	85.60	95.76	.17	2.05
9205.00	96.65	1930.00	85.60	96.81	.16	1.07
9205.00	99.31	3350.00	85.60	99.43	.12	2.65
9210.00	93.53	810.00	85.60	93.71	.17	0
9210.00	95.52	1500.00	85.60	95.82	.31	1.98
9210.00	96.53	1930.00	85.60	96.91	.38	1.01
9210.00	99.02	3350.00	85.60	99.63	.61	2.49
9215.00	93.59	810.00	85.50	93.73	.14	0
9215.00	95.62	1500.00	85.50	95.86	.24	2.03
9215.00	96.66	1930.00	85.50	96.95	.29	1.04
9215.00	99.24	3350.00	85.50	99.69	.46	2.58
9245.00	93.61	810.00	85.50	93.75	.14	0
9245.00	95.65	1500.00	85.50	95.89	.24	2.04
9245.00	96.70	1930.00	85.50	96.99	.29	1.05
9245.00	99.31	3350.00	85.50	99.76	.45	2.61
9250.00	93.64	810.00	85.50	93.76	.12	0
9250.00	95.71	1500.00	85.50	95.91	.20	2.07
9250.00	96.78	1930.00	85.50	97.01	.23	1.07
9250.00	99.45	3350.00	85.50	99.79	.34	2.68

CONSOLE INSTRUMENT & BOOK RENTAL FORM NO. 1

SUMMARY PRINTOUT

BLOUNTS CR RUSSEL TO ST

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
3275.00	0	130.60	151.00	237.00	300.10	169.50
3275.00	1.40	125.00	151.00	237.00	319.00	194.00
3275.00	.80	98.20	151.00	237.00	327.40	229.20
3275.00	2.20	23.88	151.00	237.00	349.00	325.12
3276.00	0	130.60	151.00	237.00	300.10	169.50
3276.00	1.40	125.00	151.00	237.00	319.00	194.00
3276.00	.80	98.20	151.00	237.00	327.40	229.21
3276.00	2.20	23.88	151.00	237.00	349.00	325.13
3277.00	0	130.60	151.00	237.00	300.10	169.50
3277.00	1.40	124.99	151.00	237.00	319.00	194.01
3277.00	.80	98.19	151.00	237.00	327.40	229.21
3277.00	2.20	23.87	151.00	237.00	349.00	325.13
3278.00	0	130.60	151.00	237.00	300.10	169.50
3278.00	1.40	124.99	151.00	237.00	319.00	194.01
3278.00	.80	98.19	151.00	237.00	327.40	229.22
3278.00	2.20	23.86	151.00	237.00	349.01	325.14
3280.00	0	130.60	151.00	237.00	300.10	169.50
3280.00	1.40	124.98	151.00	237.00	319.01	194.02
3280.00	.80	98.18	151.00	237.00	327.41	229.23
3280.00	2.20	23.85	151.00	237.00	349.01	325.16
3285.00	0	130.60	151.00	237.00	300.11	169.51
3285.00	1.40	124.97	151.00	237.00	319.01	194.04
3285.00	.80	98.16	151.00	237.00	327.41	229.26
3285.00	2.20	23.81	151.00	237.00	349.02	325.20
3475.00	0	93.90	80.00	185.00	337.62	243.72
3475.00	1.42	79.73	80.00	185.00	355.27	275.54
3475.00	.81	71.66	80.00	185.00	363.34	291.69
3475.00	2.23	0	80.00	185.00	375.00	375.00
3775.00	0	175.31	466.00	495.00	531.46	356.14
3775.00	1.45	146.87	466.00	495.00	545.79	398.92
3775.00	.82	83.25	466.00	495.00	551.94	468.69
3775.00	2.26	0	466.00	495.00	560.00	560.00
4175.00	0	409.04	546.00	592.00	589.27	180.23
4175.00	1.48	387.79	546.00	592.00	590.89	203.10
4175.00	.83	332.54	546.00	592.00	591.79	259.25
4175.00	2.27	180.87	546.00	592.00	746.23	565.36
4575.00	0	43.45	137.00	173.00	254.48	211.03
4575.00	1.55	16.25	137.00	173.00	285.32	269.07
4575.00	.85	7.77	137.00	173.00	308.62	300.85
4575.00	2.29	0	137.00	173.00	330.00	330.00
4915.00	0	494.61	513.00	584.00	688.41	193.80
4915.00	1.60	369.24	513.00	584.00	753.92	384.68
4915.00	.86	205.57	513.00	584.00	810.03	604.46
4915.00	2.32	0	513.00	584.00	950.00	950.00

CONTINUED ON NEXT PAGE

SEENO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
5175.00	0	865.40	924.00	969.00	964.67	99.28
5175.00	1.61	656.56	924.00	969.00	967.14	310.58
5175.00	.88	497.16	924.00	969.00	968.49	471.33
5175.00	2.35	37.80	924.00	969.00	1094.75	1056.95
5260.00	0	872.14	869.00	910.00	926.02	53.88
5260.00	1.60	556.69	869.00	910.00	942.56	385.87
5260.00	.87	366.02	869.00	910.00	948.63	582.61
5260.00	2.32	19.24	869.00	910.00	975.87	956.64
5265.00	0	672.12	669.00	710.00	723.60	51.48
5265.00	1.59	450.54	669.00	710.00	741.32	290.78
5265.00	.85	352.17	669.00	710.00	747.93	395.76
5265.00	2.29	86.74	669.00	710.00	1016.18	929.45
5265.00	0	800.00	800.00	840.00	840.00	40.00
5265.00	1.75	494.96	800.00	840.00	1024.94	529.98
5265.00	.82	251.68	800.00	840.00	1184.56	932.68
5265.00	2.15	101.31	800.00	840.00	1604.19	1502.88
5300.00	0	800.00	800.00	840.00	840.00	40.00
5300.00	1.66	494.78	800.00	840.00	1025.06	530.28
5300.00	.82	251.89	800.00	840.00	1184.55	932.65
5300.00	2.15	101.36	800.00	840.00	1604.01	1502.65
5305.00	0	641.69	814.00	838.00	859.43	217.73
5305.00	1.69	350.83	814.00	838.00	998.59	647.76
5305.00	.86	204.75	814.00	838.00	1125.51	920.76
5305.00	2.22	84.81	814.00	838.00	1459.87	1375.05
5310.00	0	696.25	709.00	750.00	768.00	71.75
5310.00	1.62	630.09	709.00	750.00	876.16	246.08
5310.00	.81	408.93	709.00	750.00	935.82	526.89
5310.00	2.26	75.99	709.00	750.00	1101.52	1025.53
5575.00	0	444.99	620.00	670.00	683.00	238.01
5575.00	1.81	224.00	620.00	670.00	695.61	471.61
5575.00	.86	129.44	620.00	670.00	703.38	573.95
5575.00	2.01	75.77	620.00	670.00	734.17	708.40
5775.00	0	299.69	310.00	340.00	452.22	152.53
5775.00	1.76	286.65	310.00	340.00	493.79	207.14
5775.00	.82	280.56	310.00	340.00	513.21	232.65
5775.00	1.94	266.22	310.00	340.00	558.91	292.69
6135.00	0	529.65	1013.00	1055.00	1050.60	286.53
6135.00	1.69	365.57	1013.00	1055.00	1053.68	534.84
6135.00	.81	287.93	1013.00	1055.00	1061.60	701.57
6135.00	1.97	98.88	1013.00	1055.00	1308.79	1209.92
6190.00	0	1016.07	1013.00	1045.00	1043.63	27.56
6190.00	1.21	632.66	1013.00	1045.00	1044.38	158.27
6190.00	1.11	480.23	1013.00	1045.00	1071.15	542.20
6190.00	2.09	192.79	1013.00	1045.00	1326.91	1134.12

CONTROL SYSTEMS & EQUIPMENT CO., INC.
 1000 WEST 10TH AVENUE
 DENVER, COLORADO 80202

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
6210.00	0	640.07	722.00	734.00	733.85	93.79
6210.00	2.05	463.13	722.00	734.00	833.00	369.87
6210.00	.77	375.00	722.00	734.00	833.00	458.00
6210.00	1.21	375.00	722.00	734.00	833.00	458.00
* 6240.00	0	722.41	722.00	734.00	733.79	11.38
* 6240.00	3.61	375.00	722.00	734.00	833.00	458.00
* 6240.00	.21	375.00	722.00	734.00	833.00	458.00
* 6240.00	.66	375.00	722.00	734.00	833.00	458.00
6260.00	0	517.92	720.00	745.00	790.60	272.68
6260.00	.88	340.95	720.00	745.00	799.45	458.51
6260.00	.22	297.09	720.00	745.00	801.65	504.55
6260.00	.41	214.44	720.00	745.00	805.78	591.34
6275.00	0	516.76	720.00	745.00	790.66	273.91
6275.00	.89	338.65	720.00	745.00	799.57	460.91
6275.00	.23	293.50	720.00	745.00	801.83	508.33
6275.00	.46	200.72	720.00	745.00	806.46	605.74
6375.00	0	113.95	225.00	255.00	643.77	529.82
6375.00	.97	65.48	225.00	255.00	714.06	648.59
6375.00	.30	50.55	225.00	255.00	735.71	685.16
6375.00	.85	17.52	225.00	255.00	788.67	771.15
6715.00	0	544.03	544.00	585.00	695.19	151.16
6715.00	1.10	538.35	544.00	585.00	695.98	157.62
6715.00	.39	536.28	544.00	585.00	696.26	159.97
6715.00	1.10	526.40	544.00	585.00	697.04	170.64
6720.00	0	544.02	544.00	585.00	695.19	151.17
6720.00	1.11	538.31	544.00	585.00	695.98	157.67
6720.00	.40	536.20	544.00	585.00	696.27	160.07
6720.00	1.11	526.17	544.00	585.00	697.06	170.89
6730.00	0	548.78	548.00	569.00	568.80	20.02
6730.00	.51	548.57	548.00	569.00	568.86	20.29
* 6730.00	2.16	125.96	548.00	569.00	604.24	478.28
* 6730.00	.95	109.56	548.00	569.00	623.22	513.66
6740.00	0	548.74	548.00	569.00	568.81	20.08
6740.00	.92	548.35	548.00	569.00	568.91	20.56
6740.00	1.95	120.56	548.00	569.00	610.50	489.94
6740.00	.80	106.78	548.00	569.00	626.44	519.66
6745.00	0	543.01	544.00	0	695.35	152.34
6745.00	2.13	528.87	544.00	0	696.87	168.00
6745.00	.80	520.84	544.00	0	697.44	176.60
6745.00	.81	495.23	544.00	0	698.02	202.80
6925.00	0	62.51	80.00	100.00	117.49	54.98
6925.00	1.95	52.90	80.00	100.00	176.80	123.91
6925.00	.75	47.22	80.00	100.00	222.25	175.04
6925.00	.72	42.90	80.00	100.00	244.19	201.29

COMPANY INFORMATION: 10/10/10 10:00 AM

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
7136.00	0	64.21	50.00	119.00	105.78	41.57
7136.00	2.37	60.42	50.00	119.00	110.67	50.25
7136.00	1.01	58.81	50.00	119.00	112.76	53.96
7136.00	2.44	54.91	50.00	119.00	117.81	62.91
7575.00	0	191.92	290.00	330.00	351.15	159.23
7575.00	2.47	132.36	290.00	330.00	357.33	224.97
7575.00	1.10	93.65	290.00	330.00	360.09	266.44
7575.00	2.75	12.16	290.00	330.00	368.92	356.76
7925.00	0	187.07	195.00	223.00	308.90	121.83
7925.00	2.40	179.06	195.00	223.00	563.36	384.30
7925.00	1.09	175.41	195.00	223.00	693.52	518.11
7925.00	2.73	122.79	195.00	223.00	1019.04	896.25
7930.00	0	195.86	195.00	233.00	231.61	35.76
7930.00	2.28	190.57	195.00	233.00	266.34	75.77
7930.00	1.03	184.07	195.00	233.00	411.40	227.33
7930.00	2.79	138.72	195.00	233.00	879.17	740.46
7940.00	0	190.90	190.00	251.00	250.34	59.44
7940.00	2.41	190.51	190.00	251.00	250.64	60.13
7940.00	1.05	190.34	190.00	251.00	250.77	60.43
7940.00	2.42	116.59	190.00	251.00	460.48	343.89
7975.00	0	190.89	190.00	251.00	250.34	59.45
7975.00	2.42	190.50	190.00	251.00	250.64	60.13
7975.00	1.05	190.33	190.00	251.00	250.77	60.43
7975.00	2.40	117.14	190.00	251.00	460.15	343.01
7980.00	0	190.85	190.00	251.00	250.34	59.49
7980.00	2.42	190.30	190.00	251.00	250.64	60.34
7980.00	1.06	190.06	190.00	251.00	250.77	60.71
7980.00	2.48	56.78	190.00	251.00	424.96	368.18
7985.00	0	149.44	147.00	205.00	191.68	42.25
7985.00	2.39	118.76	147.00	205.00	197.20	78.44
7985.00	1.06	66.68	147.00	205.00	199.64	132.96
7985.00	2.52	36.29	147.00	205.00	374.62	338.33
8175.00	0	296.04	305.00	375.00	394.79	98.74
8175.00	2.53	289.71	305.00	375.00	405.29	115.59
8175.00	1.12	286.91	305.00	375.00	408.09	121.17
8175.00	2.60	119.33	305.00	375.00	423.78	304.15
8575.00	0	235.94	245.00	290.00	294.53	58.58
8575.00	2.52	85.82	245.00	290.00	312.54	184.23
8575.00	1.13	71.67	245.00	290.00	355.00	249.33
8575.00	2.68	13.87	245.00	290.00	467.74	453.87
8745.00	0	1013.88	1000.00	1073.00	1180.96	167.07
8745.00	2.57	1006.18	1000.00	1073.00	1309.65	303.47
8745.00	1.14	1002.78	1000.00	1073.00	1366.50	363.72
8745.00	2.65	590.77	1000.00	1073.00	1498.94	908.17

CONTRACTS, INSTRUMENTS & RECORDS SECTION, MOBILE COUNTY, ALA.

SFCNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
8750.00	0	1015.64	1000.00	1073.00	1065.95	50.31
8750.00	2.53	1008.67	1000.00	1073.00	1070.55	61.88
8750.00	1.11	1005.61	1000.00	1073.00	1072.57	66.95
8750.00	2.58	829.77	1000.00	1073.00	1240.48	410.72
8760.00	0	426.17	400.00	469.00	474.09	47.92
8760.00	2.51	419.65	400.00	469.00	480.15	60.51
8760.00	1.10	416.79	400.00	469.00	482.81	66.02
8760.00	2.53	410.24	400.00	469.00	488.91	78.67
8785.00	0	426.12	400.00	469.00	474.13	48.01
8785.00	2.52	419.58	400.00	469.00	480.22	60.64
8785.00	1.11	416.71	400.00	469.00	482.89	66.18
8785.00	2.55	410.10	400.00	469.00	489.04	78.94
8790.00	0	417.28	400.00	469.00	482.54	65.25
8790.00	2.57	407.08	400.00	469.00	540.47	133.39
8790.00	1.16	402.47	400.00	469.00	655.07	252.60
8790.00	2.83	280.69	400.00	469.00	933.46	652.78
8795.00	0	496.85	600.00	637.00	635.75	138.90
8795.00	2.75	394.04	600.00	637.00	695.24	301.20
8795.00	1.23	347.88	600.00	637.00	728.96	381.08
8795.00	2.84	241.46	600.00	637.00	806.71	565.26
8970.00	0	705.93	720.00	750.00	892.52	186.59
8970.00	2.15	656.59	720.00	750.00	918.80	262.22
8970.00	1.11	618.78	720.00	750.00	926.37	307.59
8970.00	2.71	428.70	720.00	750.00	945.08	516.38
9205.00	0	338.93	409.00	457.00	481.36	142.43
9205.00	2.05	257.69	409.00	457.00	570.85	313.17
9205.00	1.07	229.26	409.00	457.00	626.21	396.95
9205.00	2.65	158.50	409.00	457.00	763.98	605.49
9210.00	0	411.73	409.00	457.00	463.82	52.09
9210.00	1.98	410.76	409.00	457.00	475.61	64.85
9210.00	1.01	410.26	409.00	457.00	481.66	71.40
9210.00	2.49	409.04	409.00	457.00	496.56	87.52
9215.00	0	506.06	491.00	557.00	564.58	58.52
9215.00	2.03	503.66	491.00	557.00	576.46	72.80
9215.00	1.04	502.43	491.00	557.00	582.53	80.10
9215.00	2.58	499.38	491.00	557.00	597.64	98.26
9245.00	0	506.04	491.00	557.00	564.69	58.64
9245.00	2.04	503.62	491.00	557.00	576.65	73.03
9245.00	1.05	502.38	491.00	557.00	582.78	80.40
9245.00	2.61	499.29	491.00	557.00	598.06	98.77
9250.00	0	501.21	491.00	557.00	569.62	68.42
9250.00	2.07	497.25	491.00	557.00	589.38	92.12
9250.00	1.07	495.23	491.00	557.00	599.49	104.26
9250.00	2.68	404.36	491.00	557.00	624.93	220.56

COMPUTER GENERATED REPORT FROM THE ...

SFCNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
9255.00	0	345.97	371.00	400.00	399.43	53.46
9255.00	2.20	200.49	371.00	400.00	408.42	203.90
9255.00	1.15	164.51	371.00	400.00	483.44	318.93
9255.00	2.96	72.03	371.00	400.00	678.96	606.92
9580.00	0	316.95	370.00	405.00	518.70	201.75
9580.00	1.77	202.84	370.00	405.00	562.82	359.98
9580.00	.86	125.41	370.00	405.00	584.33	458.92
9580.00	2.43	71.68	370.00	405.00	693.00	621.32
9905.00	0	420.89	456.00	483.00	615.92	195.03
9905.00	1.67	316.07	456.00	483.00	776.02	459.95
9905.00	.79	274.38	456.00	483.00	850.32	575.94
9905.00	2.18	165.44	456.00	483.00	1010.66	845.23

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FLOOD INSURANCE ZONE DATA FOR BLOUNTS CR RUSSEL TO ST

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
3275.000	0	-2.2	-.8	2.2
3276.000	1.	-2.2	-.8	2.2
3277.000	2.	-2.2	-.8	2.2
3278.000	3.	-2.2	-.8	2.2
3280.000	5.	-2.2	-.8	2.2
3285.000	10.	-2.2	-.8	2.2
3475.000	200.	-2.2	-.8	2.2
3775.000	500.	-2.3	-.8	2.3
4175.000	900.	-2.3	-.8	2.3
4575.000	1300.	-2.4	-.8	2.3
4915.000	1640.	-2.5	-.9	2.3
5175.000	1900.	-2.5	-.9	2.3
5260.000	1985.	-2.5	-.9	2.3
5265.000	1990.	-2.4	-.8	2.3
5265.000	1990.	-2.6	-.8	2.1
5300.000	2035.	-2.5	-.8	2.1
5305.000	2040.	-2.5	-.9	2.2
5310.000	2045.	-2.4	-.8	2.3
5575.000	2310.	-2.7	-.9	2.0
5775.000	2510.	-2.6	-.8	1.9
6135.000	2870.	-2.5	-.8	2.0
6190.000	2925.	-2.3	-1.1	2.1
6210.000	2945.	-2.8	-.8	1.2
6240.000	2960.	-3.8	-.2	.7
6260.000	2980.	-1.1	-.2	.4
6275.000	2995.	-1.1	-.2	.5
6375.000	3095.	-1.3	-.3	.9
6715.000	3460.	-1.5	-.4	1.1
6720.000	3465.	-1.5	-.4	1.1
6730.000	3475.	-2.7	-2.2	.9
6740.000	3485.	-2.9	-1.9	.8
6745.000	3490.	-2.9	-.8	.8
6925.000	3670.	-2.7	-.8	.7
7090.000	3835.	-3.0	-.9	1.5
7095.000	3840.	-3.0	-.8	1.4
7105.000	3850.	-3.0	-.8	1.5
7106.000	3851.	-3.0	-.8	1.5
7107.000	3852.	-3.0	-.8	1.5
7109.000	3854.	-3.0	-.8	1.5
7111.000	3856.	-3.0	-.9	1.5
7116.000	3861.	-3.0	-.9	1.6
7124.000	3869.	-3.0	-.8	1.4
7126.000	3870.	-3.0	-.9	1.6
7131.000	3875.	-3.1	-.9	2.0
7136.000	3880.	-3.4	-1.0	2.4
7575.000	4319.	-3.6	-1.1	2.7
7925.000	4669.	-3.5	-1.1	2.7
7930.000	4674.	-3.3	-1.0	2.8
7940.000	4684.	-3.5	-1.0	2.4
7975.000	4704.	-3.5	-1.1	2.4
7980.000	4709.	-3.5	-1.1	2.5
7985.000	4714.	-3.4	-1.1	2.5

COUNTY OF BLOUNT, TENNESSEE
 ENGINEER OF PUBLIC WORKS
 1000 BLOUNT COUNTY COURTHOUSE
 MOOREHEAD, TENNESSEE 37130

8175.000	5114.	-3.6	-1.1	2.6
8575.000	5514.	-3.7	-1.1	2.7
8745.000	5684.	-3.7	-1.1	2.6
8750.000	5689.	-3.6	-1.1	2.6
8760.000	5699.	-3.6	-1.1	2.5
8785.000	5709.	-3.6	-1.1	2.5
8790.000	5714.	-3.7	-1.2	2.8
8795.000	5719.	-4.0	-1.2	2.8
8970.000	5894.	-3.3	-1.1	2.7
9205.000	6129.	-3.1	-1.1	2.7
9210.000	6134.	-3.0	-1.0	2.5
9215.000	6144.	-3.1	-1.0	2.6
9245.000	6174.	-3.1	-1.0	2.6
9250.000	6179.	-3.1	-1.1	2.7
9255.000	6184.	-3.3	-1.2	3.0
9580.000	6509.	-2.6	-.9	2.4
9905.000	6834.	-2.5	-.8	2.2

WEIGHTED AVG FOR REACH -2.8 -1.9 2.2

FHF FOR THE REACH = 030 WITH 92.8% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 6

- POSSIBLE ERROR SECNO= 6190.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 1 ASSUMED WSEL=MIN DIFF + .1FT
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 2 ASSUMED WSEL=MIN DIFF + .1FT
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 3 ASSUMED WSEL=MIN DIFF + .1FT
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 4 ASSUMED WSEL=MIN DIFF + .1FT
- POSSIBLE ERROR SECNO= 6240.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 6730.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 6730.00 PROFILE= 4 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 6730.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL

COMPILED BY: J. R. HARRIS, JR. ENGINEER, FORT MONROE, VA.

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).

CONTINUOUS IMPROVEMENT PROGRAM
CONTRACT NUMBER: 68-00000-1
CONTRACT NAME: HEC-2

T1 FPMS BR FAYETTVILLE FIS
 T2 10 YR NATURAL
 T3 ALDUNTS CR RUSSEL TO ST WINSLOW ST

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	-1.	6.	-0	-0	-0	-0	-0	-0	82.600	-0	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	1,000	-0	-1,000	-0	-0	-0	-0	-0	-0	0	
J3	-2,000	1,000	43,000	42,000	3,000	10,000	50,000	0	38,000	50,000	
J3	53,000	21,000	22,000	54,000	4,000	0	201,000	-0	-0	-0	
JC	.120	.120	.050	.200	.400	-0	-0	-0	-0	-0	
JT	7,000	2050,000	2050,000	2050,000	2050,000	870,000	1610,000	3550,000	-0	-0	
ET	-0	-0	-0	100,200	-0	-0	-0	-0	-0	-0	
K1	3275,000	15,000	151,000	237,000	0	0	0	0	0	-0	
RR	87,700	0	86,000	58,000	84,000	125,000	82,000	133,000	80,000	151,000	
RR	70,000	180,000	70,000	215,000	74,000	226,000	76,000	237,000	78,000	262,000	
RR	80,000	286,000	82,000	292,000	84,000	319,000	86,000	340,000	88,000	358,000	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	151,000	237,000
K1	3276,000	0	0	0	1,000	1,000	1,000	1,000	0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	151,000	237,000
K1	3277,000	0	0	0	1,000	1,000	1,000	1,000	0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	151,000	237,000
K1	3278,000	0	0	0	1,000	1,000	1,000	1,000	0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	151,000	237,000
K1	3280,000	0	0	0	2,000	2,000	2,000	1,000	0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	151,000	237,000
K1	3285,000	0	0	0	5,000	5,000	5,000	1,000	0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	80,000	200,000
K1	3475,000	15,000	80,000	185,000	190,000	190,000	190,000	0	0	-0	
RR	86,000	0	86,000	60,000	84,000	80,000	82,000	100,000	80,000	120,000	
RR	71,500	165,000	70,900	170,000	72,000	175,000	74,000	185,000	76,000	200,000	
RR	78,000	240,000	80,000	305,000	82,000	330,000	84,000	355,000	86,000	375,000	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	400,000	510,000
K1	3775,000	19,000	466,000	495,000	300,000	300,000	300,000	0	0	-0	
RR	86,000	0	84,000	155,000	82,000	185,000	80,000	210,000	78,000	260,000	
RR	76,000	435,000	74,000	465,000	77,500	466,000	72,900	473,000	72,700	482,000	
RR	72,500	487,000	77,700	495,000	74,000	497,000	76,000	500,000	78,000	505,000	
RR	80,000	510,000	82,000	525,000	84,000	545,000	86,000	560,000	-0	-0	
ET	-0	-0	9,100	-0	-0	-0	-0	-0	-0	460,000	592,000
K1	4175,000	12,000	546,000	592,000	400,000	400,000	400,000	0	0	-0	

COMPARISON INFORMATION © 1998 SPECTRA POWER INC.

SR	90.000	0	84.000	400.000	70.800	450.000	77.300	500.000	79.200	546.000
SR	74.400	563.000	74.100	570.000	73.300	579.000	85.200	592.000	85.600	600.000
SR	85.900	700.000	87.400	750.000	-0	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	100.000	200.000
X1	4575.000	15.000	137.000	173.000	400.000	400.000	400.000	0	0	-0
SR	86.000	0	84.000	20.000	82.000	60.000	80.000	90.000	78.000	115.000
SR	76.000	135.000	78.600	137.000	73.400	148.000	73.400	152.000	73.400	158.000
SR	78.000	173.000	80.000	210.000	82.000	240.000	84.000	275.000	86.000	330.000
VC	.120	.120	.050	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	510.000	600.000
X1	4915.000	13.000	513.000	584.000	340.000	340.000	340.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
SR	87.000	0	86.200	50.000	86.000	89.000	84.000	474.000	82.000	513.000
SR	75.000	529.000	73.400	550.000	73.000	571.000	80.000	584.000	82.000	662.000
SR	84.000	718.000	86.000	850.000	87.000	950.000	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	910.000	970.000
X1	5175.000	13.000	924.000	969.000	260.000	260.000	260.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	88.000	0	86.000	400.000	83.800	600.000	83.500	850.000	81.800	900.000
GR	81.300	924.000	76.800	934.000	73.400	941.000	73.400	950.000	85.800	969.000
GR	85.700	1000.000	86.200	1050.000	88.000	1100.000	-0	-0	-0	-0
NC	.140	.140	.040	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	870.000	955.000
X1	5260.000	14.000	869.000	910.000	85.000	85.000	85.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	88.000	0	86.300	200.000	86.000	260.000	84.000	700.000	84.200	869.000
GR	79.400	682.000	75.400	883.000	73.400	890.000	75.200	900.000	80.800	910.000
GR	82.400	918.000	84.000	938.000	86.000	952.000	88.000	978.000	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	669.000	752.000
X1	5265.000	13.000	669.000	710.000	5.000	5.000	5.000	-0	-0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	88.200	0	88.000	60.000	84.200	500.000	84.200	669.000	79.400	682.000
GR	73.400	683.000	73.400	690.000	77.200	700.000	80.800	710.000	82.600	718.000
GR	84.200	738.000	96.000	752.000	89.000	1200.000	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	800.000	835.000
X1	5265.000	8.000	800.000	840.000	.100	.100	.100	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	84.000	84.000	-0
GR	90.000	0	86.000	200.000	84.000	795.000	73.400	800.000	73.400	840.000
GR	80.800	845.000	84.200	867.000	90.000	2000.000	-0	-0	-0	-0
SB	1.250	1.600	2.500	800.000	40.000	1.900	340.000	0	73.400	73.400
ET	-0	-0	9.100	150.200	-0	-0	-0	-0	800.000	835.000
X1	5300.000	-0	-0	-0	45.000	45.000	45.000	-0	-0	-0
X2	-0	-0	1.000	82.300	84.000	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	84.000	84.000	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	740.000	838.000
X1	5305.000	10.000	814.000	838.000	5.000	5.000	5.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	90.000	0	86.000	175.000	82.900	709.000	79.400	814.000	73.400	816.000
GR	73.400	825.000	73.400	832.000	81.000	838.000	84.100	867.000	90.000	1750.000
ET	-0	-0	9.100	-0	-0	-0	-0	-0	690.000	750.000

COMPANY'S INFORMATION & REPORT SYSTEMS, INC.

X1	5310.000	14.000	709.000	750.000	5.000	5.000	5.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	90.000	0	86.000	150.000	85.500	600.000	84.500	650.000	84.600	690.000
GR	82.500	700.000	81.700	709.000	78.000	712.000	74.000	720.000	74.000	727.000
GR	83.000	750.000	83.800	800.000	84.200	825.000	90.000	1250.000	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	600.000	700.000

X1	5575.000	15.000	620.000	670.000	265.000	265.000	265.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	90.000	0	88.000	30.000	86.000	145.000	84.000	415.000	82.000	565.000
GR	80.000	620.000	77.400	640.000	77.800	646.000	78.400	652.000	80.000	670.000
GR	82.000	675.000	84.000	685.000	86.000	700.000	88.000	725.000	90.000	790.000
NC	.140	.140	.040	.200	.400	-0	-0	-0	-0	-0
QT	7.000	2010.000	2010.000	2010.000	2010.000	850.000	1575.000	3480.000	-0	-0

X1	5775.000	12.000	310.000	340.000	200.000	200.000	200.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	89.800	0	89.400	200.000	89.100	260.000	83.700	300.000	82.600	310.000
GR	78.200	322.000	77.900	328.000	78.000	332.000	80.300	340.000	82.700	400.000
GR	82.800	430.000	90.000	600.000	-0	-0	-0	-0	-0	-0
NC	.140	.140	.040	.200	.400	-0	-0	-0	-0	-0

X1	6135.000	15.000	1013.000	1055.000	360.000	360.000	360.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	92.000	0	90.000	25.000	83.000	700.000	87.300	900.000	87.200	950.000
GR	87.800	1000.000	87.800	1013.000	78.500	1024.000	78.700	1030.000	78.900	1040.000
GR	87.200	1055.000	87.700	1100.000	87.900	1150.000	90.000	1400.000	92.000	1450.000

X1	6190.000	15.000	1013.000	1045.000	55.000	55.000	55.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	93.000	0	90.000	80.000	85.500	700.000	87.100	900.000	86.900	950.000
GR	87.500	1000.000	87.200	1013.000	78.500	1024.000	78.700	1030.000	78.900	1040.000
GR	87.000	1045.000	87.200	1100.000	87.200	1150.000	90.000	1400.000	92.000	1450.000

X1	6210.000	9.000	722.000	734.000	20.000	20.000	20.000	0	0	-0
GR	88.000	375.000	86.700	640.000	68.700	641.000	68.700	722.000	78.500	724.000
GR	78.700	733.000	86.700	734.000	86.700	735.000	86.700	833.000	-0	-0
SB	1.050	1.050	2.500	0	20.000	1.000	175.000	0	0	0

X1	6240.000	9.000	722.000	734.000	15.000	15.000	15.000	0	0	-0
X2	0	0	1.000	82.600	86.000	-0	-0	-0	-0	-0
BT	5.000	375.000	88.000	82.600	640.000	86.700	82.600	722.000	86.700	82.600
BT	734.000	86.700	82.600	833.000	86.700	82.600	-0	-0	-0	-0
GR	88.000	375.000	86.700	640.000	86.700	641.000	86.700	722.000	78.500	724.000
GR	78.700	733.000	86.700	734.000	86.700	735.000	86.700	833.000	-0	-0

X1	6260.000	9.000	720.000	745.000	20.000	20.000	20.000	-0	-0	-0
GR	90.000	130.000	88.000	530.000	86.000	690.000	80.000	720.000	78.500	724.000
GR	78.700	735.000	80.000	745.000	86.000	770.000	90.000	810.000	-0	-0

X1	6275.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
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X1	6375.000	16.000	225.000	255.000	100.000	100.000	100.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	92.000	0	90.000	20.000	88.000	120.000	86.000	190.000	84.000	200.000

GR	82.000	220.000	80.000	225.000	78.700	237.000	78.400	243.000	78.700	250.000
GR	80.000	255.000	88.000	295.000	88.000	355.000	88.000	635.000	90.000	780.000
GR	92.000	850.000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.150	.150	.060	.200	.400	-0	-0	-0	-0	-0
QT	7.000	2000.000	2000.000	2000.000	2000.000	840.000	1560.000	3450.000	-0	-0
X1	6715.000	10.000	544.000	585.000	365.000	365.000	365.000	-0	-0	-0
GR	98.000	0	92.000	515.000	90.000	535.000	88.300	544.000	80.100	551.000
GR	80.300	558.000	80.800	567.000	86.000	585.000	88.000	695.000	95.000	700.000
X1	6720.000	-0	-0	-0	5.000	5.000	5.000	-0	-0	-0
X1	6730.000	11.000	548.000	569.000	10.000	10.000	10.000	-0	-0	-0
GR	98.000	0	89.900	140.000	89.900	548.000	80.400	552.000	80.500	563.000
GR	80.600	568.000	89.900	569.000	89.900	585.000	90.000	590.000	94.000	670.000
GR	96.000	840.000	-0	-0	-0	-0	-0	-0	-0	-0
SB	-0	1.010	2.600	-0	20.000	0	154.000	-0	-0	-0
ET	-0	-0	-0	300.200	-0	-0	-0	-0	-0	-0
X1	6740.000	-0	-0	-0	10.000	10.000	10.000	-0	-0	-0
X2	-0	-0	1.000	88.900	89.900	-0	-0	-0	-0	-0
BT	10.000	0	98.000	88.900	140.000	90.000	88.900	165.000	89.900	88.900
BT	340.000	89.900	88.900	400.000	89.900	88.900	532.000	89.900	88.900	585.000
BT	89.900	88.900	590.000	90.000	88.900	670.000	94.000	88.900	840.000	96.000
BT	88.900	-0	-0	-0	-0	-0	-0	-0	-0	-0
X1	6745.000	10.000	544.000	568.000	5.000	5.000	5.000	-0	.300	-0
GR	98.000	0	92.000	515.000	90.000	535.000	88.300	544.000	80.100	551.000
GR	80.300	558.000	80.800	567.000	86.000	585.000	88.000	695.000	95.000	700.000
ET	-0	-0	-0	300.200	-0	-0	-0	-0	-0	-0
X1	6925.000	13.000	80.000	100.000	180.000	180.000	180.000	-0	-0	-0
GR	96.000	0	94.000	35.000	92.000	45.000	90.000	60.000	82.000	80.000
GR	80.000	85.000	80.000	95.000	82.000	100.000	84.000	105.000	90.000	120.000
GR	92.000	240.000	94.000	260.000	96.000	300.000	-0	-0	-0	-0
NC	.150	.150	.060	.200	.400	-0	-0	-0	-0	-0
X1	7090.000	8.000	431.000	479.000	165.000	165.000	165.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98.000	0	97.200	400.000	96.100	431.000	82.000	435.000	81.300	447.000
GR	81.600	459.000	96.000	479.000	98.000	780.000	-0	-0	-0	-0
X1	7095.000	8.000	431.000	470.000	5.000	5.000	5.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	99.000	0	97.200	400.000	96.100	431.000	82.000	433.000	81.300	443.000
GR	81.600	456.000	94.900	470.000	98.000	800.000	-0	-0	-0	-0
X1	7105.000	8.000	431.000	470.000	10.000	10.000	10.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	99.000	0	97.200	400.000	96.100	431.000	82.100	433.000	82.100	443.000
GR	82.100	456.000	94.900	470.000	98.000	800.000	-0	-0	-0	-0
X1	7106.000	0	0	0	1.000	1.000	1.000	1.000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0

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X1	7107.000	0	0	0	1,000	1,000	1,000	1,000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7109.000	0	0	0	2,000	2,000	2,000	1,000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7111.000	0	0	0	2,000	2,000	2,000	1,000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7116.000	0	0	0	5,000	5,000	5,000	1,000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7124.000	14.000	695.000	726.000	8,000	8,000	8,000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	98.000	500.000	97,700	647,000	97,700	660.000	97,700	695.000
GR	91.800	700.000	81.900	701.000	81,400	713,000	81,800	725.000	97,700	726.000
GR	97.700	729.000	97,700	741.000	97,700	743,000	98,500	1700.000	0	-0
SB	1.050	1.080	2,600	0	52,000	2,000	454.000	0	0	0
ET	-0	-0	-0	100.200	-0	-0	-0	-0	-0	-0
X1	7126.000	11.000	695.000	729.000	1,000	1,000	1,000	0	0	-0
X2	0	675.000	1,000	91.000	97,700	-0	-0	-0	-0	-0
RT	6.000	0	100.000	91.000	500.000	98,000	91,000	647,000	97,700	91.000
RT	660.000	97,700	91.000	743.000	97,700	91,000	1700.000	98,500	91,000	-0
GR	100.000	0	98.000	500.000	97,700	647,000	97,700	695.000	91,800	700.000
GR	81.900	701.000	81,400	713.000	81,800	725.000	97,700	729.000	97,700	743.000
GR	98.500	1700.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7131.000	8,000	50.000	100.000	5,000	5,000	5,000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98,000	0	97,800	50.000	81,600	77,000	81,000	84,000	81,500	89.000
GR	96,500	100.000	98,200	150.000	98,500	300.000	-0	-0	-0	-0
X1	7136.000	8,000	50.000	119.000	5,000	5,000	5,000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98,200	0	98,500	50.000	81,600	77,000	81,000	84,000	81,500	89.000
GR	96.000	119.000	98,200	150.000	98,000	200.000	-0	-0	-0	-0
X1	7575.000	16,000	290.000	330.000	439.000	439.000	439.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98.000	0	96.000	20.000	94,000	95.000	92.000	165.000	90.000	200.000
GR	88.000	260.000	86.000	290.000	84,000	305.000	82,300	313.000	82,900	322.000
GR	83.200	327.000	86.000	330.000	88.000	335.000	90.000	350.000	96.000	365.000
GR	98.000	375.000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.160	.160	.060	.200	.400	-0	-0	-0	-0	-0
QT.	7.000	1970.000	1970.000	1970.000	1970.000	830.000	1540.000	3410.000	-0	-0
X1	7925.000	11.000	195.000	223.000	350.000	350.000	350.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	96.000	170.000	90.000	190.000	87,600	195.000	83,600	201.000
GR	83.200	210.000	82,900	218.000	87.000	223.000	90.000	243.000	91,600	363.000
GR	100.000	1363.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7930.000	11.000	195.000	233.000	5,000	5,000	5,000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	96.300	170.000	93,300	190.000	92,100	195.000	83,600	201.000

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GR	83.200	210.000	82.900	218.000	91.700	233.000	93.000	245.000	93.900	363.000
GR	100.000	1385.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7940.000	16.000	190.000	251.000	10.000	10.000	10.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	97.000	80.000	96.900	130.000	96.700	180.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	86.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1.050	1.010	2.600	0	61.000	3.000	640.000	0	0	0
X1	7975.000	16.000	190.000	251.000	20.000	20.000	20.000	0	0	-0
X2	0	670.000	1.000	94.900	96.400	-0	-0	-0	-0	-0
RT	7.000	0	100.000	94.900	80.000	97.000	94.900	130.000	96.900	94.900
RT	190.000	96.600	94.900	251.000	96.400	94.900	330.000	96.500	94.900	1400.000
RT	100.000	94.900	-0	-0	-0	-0	-0	-0	-0	-0
GR	100.000	0	97.000	80.000	96.900	130.000	96.700	180.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7980.000	16.000	190.000	251.000	5.000	5.000	5.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	95.800	80.000	95.000	130.000	94.900	180.000	94.800	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	970.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7985.000	12.000	147.000	205.000	5.000	5.000	5.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	94.200	70.000	93.400	120.000	93.000	147.000	84.100	158.000
GR	83.100	166.000	83.800	175.000	96.800	205.000	96.700	220.000	96.000	270.000
GR	96.000	320.000	100.000	540.000	-0	-0	-0	-0	-0	-0
X1	8175.000	15.000	305.000	375.000	400.000	400.000	400.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	98.000	105.000	96.000	285.000	94.000	290.000	88.000	305.000
GR	86.000	320.000	84.000	330.000	82.000	340.000	82.000	355.000	84.000	360.000
GR	90.000	375.000	92.000	400.000	96.000	410.000	98.000	425.000	100.000	510.000
X1	8575.000	20.000	245.000	290.000	400.000	400.000	400.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	98.000	15.000	96.000	65.000	94.000	90.000	94.000	175.000
GR	96.000	180.000	98.000	205.000	96.000	210.000	94.000	220.000	92.000	235.000
GR	90.000	245.000	85.100	252.000	84.400	260.000	85.000	269.000	86.000	275.000
GR	88.000	285.000	90.000	290.000	94.000	300.000	98.000	450.000	100.000	685.000
NC	.160	.160	.060	.200	.400	-0	-0	-0	-0	-0
QT	7.000	1950.000	1950.000	1950.000	1950.000	820.000	1520.000	3375.000	-0	-0
X1	8745.000	8.000	1000.000	1073.000	170.000	170.000	170.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	101.000	0	96.800	1000.000	85.100	1035.000	84.400	1043.000	85.000	1053.000
GR	90.000	1073.000	100.000	1573.000	104.000	1623.000	-0	-0	-0	-0
X1	8750.000	8.000	1000.000	1073.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	101.000	0	97.800	1000.000	85.100	1035.000	84.400	1043.000	85.000	1053.000
GR	96.000	1073.000	103.000	1573.000	107.000	1623.000	-0	-0	-0	-0

X1	8760.000	8.000	400.000	469.000	10.000	10.000	10.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	106.000	0	102.200	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	90.000	469.000	98.700	490.000	101.000	1490.000	-0	-0	-0	-0
SB	1.050	1.010	2.600	0	82.000	4.000	928.000	0	0	0

X1	8785.000	8.000	400.000	469.000	10.000	10.000	10.000	0	0	-0
X2	0	665.000	1.000	100.600	102.200	-0	-0	-0	-0	-0
BT	4.000	0	106.000	100.600	400.000	102.200	100.600	490.000	102.200	100.600
BT	1490.000	105.000	100.600	-0	-0	-0	-0	-0	-0	-0
GR	106.000	0	102.200	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	90.000	469.000	98.700	490.000	101.000	1490.000	-0	-0	-0	-0

X1	8790.000	9.000	400.000	469.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	104.000	0	96.600	400.000	86.000	442.000	84.200	449.000	85.800	457.000
GR	88.500	469.000	94.300	490.000	100.500	1100.000	102.000	1200.000	-0	-0

X1	8795.000	10.000	600.000	637.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	102.000	0	100.000	200.000	92.000	500.000	90.900	600.000	87.100	610.000
GR	86.400	617.000	86.800	625.000	92.700	637.000	100.000	837.000	102.000	1000.000
ET	-0	-0	-0	250.200	-0	-0	-0	-0	-0	-0

X1	8970.000	14.000	720.000	750.000	175.000	175.000	175.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	101.000	0	100.000	330.000	98.000	550.000	96.000	635.000	94.000	695.000
GR	92.000	720.000	88.000	730.000	87.100	732.000	86.400	739.000	86.800	747.000
GR	88.000	750.000	92.000	870.000	94.000	910.000	102.000	965.000	-0	-0
NC	.160	.160	.060	.200	.400	-0	-0	-0	-0	-0
QT	7.000	1930.000	1930.000	1930.000	1930.000	810.000	1500.000	3350.000	-0	-0

X1	9205.000	14.000	409.000	457.000	235.000	235.000	235.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	102.000	0	100.000	140.000	94.000	300.000	93.400	350.000	93.300	400.000
GR	92.000	409.000	86.900	415.000	85.600	428.000	87.000	435.000	92.400	457.000
GR	94.400	500.000	94.800	530.000	100.000	800.000	102.000	1000.000	-0	-0

X1	9210.000	13.000	409.000	457.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	106.000	0	103.500	140.000	100.500	300.000	100.200	350.000	100.100	400.000
GR	99.100	409.000	86.900	415.000	85.600	428.000	87.000	435.000	92.400	457.000
GR	99.600	500.000	100.000	530.000	102.500	710.000	-0	-0	-0	-0

X1	9215.000	7.000	491.000	557.000	10.000	10.000	10.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	110.000	0	108.000	110.000	106.300	491.000	86.900	514.000	85.500	529.000
GR	92.300	557.000	105.100	632.000	-0	-0	-0	-0	-0	-0
SB	1.050	1.010	2.600	0	137.100	13.000	1440.000	0	0	0

X1	9245.000	7.000	491.000	557.000	30.000	30.000	30.000	0	0	-0
X2	0	665.000	1.000	104.300	105.100	-0	-0	-0	-0	-0
BT	4.000	0	110.000	104.300	110.000	108.000	104.300	491.000	106.300	104.300
BT	632.000	105.100	104.300	-0	-0	-0	-0	-0	-0	-0
GR	110.000	0	108.000	110.000	106.300	491.000	86.900	514.000	85.500	529.000
GR	92.300	557.000	105.100	632.000	-0	-0	-0	-0	-0	-0

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X1	9250.000	8.000	491.000	557.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	105.000	0	101.000	110.000	99.000	491.000	86.900	514.000	85.500	529.000
GR	92.300	557.000	100.200	632.000	104.000	900.000	-0	-0	-0	-0

X1	9255.000	15.000	371.000	400.000	5.000	5.000	5.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	102.000	0	94.000	250.000	93.700	300.000	93.500	328.000	96.200	338.000
GR	90.200	355.000	92.000	371.000	88.200	388.000	88.000	393.000	88.100	398.000
GR	95.500	400.000	96.000	450.000	97.100	500.000	100.000	700.000	102.000	900.000

X1	9580.000	15.000	370.000	405.000	325.000	325.000	325.000	0	0	-0
X2	0	665.000	0	0	0	-0	-0	-0	-0	-0
GR	102.000	0	100.000	80.000	98.000	105.000	96.000	285.000	94.000	360.000
GR	92.000	370.000	88.500	378.000	87.600	384.000	87.900	389.000	92.000	405.000
GR	94.000	490.000	96.000	540.000	98.000	590.000	100.000	680.000	102.000	805.000
NC	.190	.190	.070	.200	.400	-0	-0	-0	-0	-0
QT	7.000	1910.000	1910.000	1910.000	1910.000	800.000	1490.000	3320.000	-0	-0

X1	9905.000	15.000	456.000	483.000	325.000	325.000	325.000	0	0	-0
X2	0	650.000	0	0	0	-0	-0	-0	-0	-0
GR	104.000	0	100.000	200.000	98.000	300.000	97.000	360.000	96.800	390.000
GR	95.200	456.000	88.900	466.000	89.400	470.000	88.800	477.000	94.000	483.000
GR	94.200	492.000	95.700	542.000	97.800	592.000	100.000	992.000	104.000	1100.000
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

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 CONFIDENTIAL - SECURITY INFORMATION

 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 BLOUNTS CR RUSSEL ST TO WINSLOW

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HYINS	Q	WSEL	FQ
	-0	7.	-0	-0	-0	-0	-0	-0	84.000	-0
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	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 FPMS BR FAYETTEVILLE NC FIS
 T2 500YR NATURAL
 T3 RLOUNTS CR RUSSEL ST TO WINSLOW

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0	8.	-0	-0	-0	-0	-0	-0	87.000	-0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

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F/W

USE profile #3

10/6/76

SUMMARY PRINTOUT

BLOUNTS CR MOUTH TO RUS

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
400.00	61.40	2200.00	52.00	61.57	.17	10.22	0	177.70	310.80	488.50	4.0
400.00	62.40	2200.00	52.00	62.84	.44	16.29	1.00	50.00	385.00	435.00	5.4
400.00	62.40	2200.00	52.00	62.52	.12	6.56	0	181.00	310.00	491.00	3.4
900.00	61.83	2200.00	54.00	63.17	1.34	86.46	0	75.52	549.52	625.04	10.0
900.00	63.38	2200.00	54.00	64.35	.97	47.58	1.55	50.00	560.00	610.00	8.4
900.00	62.61	2200.00	54.00	63.60	.99	57.65	-.77	82.18	547.17	629.35	8.8
935.00	63.09	2200.00	53.70	63.50	.41	24.01	0	56.95	425.69	482.64	5.1
935.00	64.27	2200.00	53.70	64.57	.30	15.59	1.18	58.64	425.11	483.75	4.4
935.00	63.47	2200.00	53.70	63.84	.37	20.71	-.80	57.50	425.50	483.00	4.8
965.00	63.14	2200.00	53.70	63.54	.40	23.60	0	57.01	425.67	482.68	5.0
965.00	64.30	2200.00	53.70	64.60	.30	15.46	1.16	58.67	425.10	483.77	4.4
965.00	63.51	2200.00	53.70	63.88	.36	20.47	-.79	57.55	425.48	483.03	4.8
1000.00	63.25	2200.00	54.00	63.64	.39	34.66	0	87.64	545.25	632.88	5.0
1000.00	64.42	2200.00	54.00	64.67	.25	19.20	1.17	97.55	541.75	639.30	4.0
1000.00	63.63	2200.00	54.00	63.97	.34	28.40	-.79	90.85	544.11	634.96	4.6
1500.00	65.43	2200.00	58.50	66.45	1.01	82.86	0	47.24	467.28	514.52	8.0
1500.00	65.69	2200.00	58.50	66.62	.93	72.94	.25	47.67	467.15	514.83	7.7
1500.00	65.47	2200.00	58.50	66.47	1.00	81.12	-.21	47.31	467.26	514.57	8.0
1800.00	67.81	2200.00	61.70	68.54	.72	56.37	0	85.47	580.40	665.87	6.9
1800.00	67.97	2200.00	61.70	68.73	.77	66.14	.16	55.00	595.00	650.00	7.0
1800.00	67.81	2200.00	61.70	68.54	.72	56.28	-.15	85.49	580.39	665.88	6.9
1910.00	83.71	2200.00	61.70	83.73	.02	2.00	0	318.20	645.13	963.32	1.2
1910.00	83.70	2200.00	61.70	83.73	.02	2.17	-.00	103.00	807.00	910.00	1.2
1910.00	83.70	2200.00	61.70	83.73	.02	2.06	-.00	200.00	710.00	910.00	1.2
1915.00	83.71	2200.00	61.70	83.73	.02	1.99	0	318.67	644.83	963.50	1.2
1915.00	83.71	2200.00	61.70	83.73	.02	2.17	-.00	103.00	807.00	910.00	1.2
1915.00	83.71	2200.00	61.70	83.73	.02	2.05	-.00	200.00	710.00	910.00	1.2
1925.00	83.71	2200.00	61.70	83.73	.02	1.99	0	318.79	644.75	963.55	1.2
1925.00	83.71	2200.00	61.70	83.73	.02	2.17	-.00	103.00	807.00	910.00	1.2
1925.00	83.71	2200.00	61.70	83.73	.02	2.05	-.00	200.00	710.00	910.00	1.2
1912.00	83.71	2200.00	61.80	83.73	.02	2.04	0	312.73	648.54	961.27	1.2
1912.00	83.71	2200.00	61.80	83.73	.02	2.21	-.00	103.00	807.00	910.00	1.2
1912.00	83.71	2200.00	61.80	83.73	.02	2.10	-.00	200.00	710.00	910.00	1.2
1915.00	83.71	2200.00	61.90	83.73	.02	2.09	0	306.67	652.33	959.00	1.2
1915.00	83.71	2200.00	61.90	83.73	.02	2.25	-.00	103.00	807.00	910.00	1.2
1915.00	83.71	2200.00	61.90	83.73	.02	2.14	-.00	200.00	710.00	910.00	1.2
1920.00	83.71	2200.00	62.10	83.73	.02	2.19	0	294.56	659.90	954.46	1.2
1920.00	83.71	2200.00	62.10	83.73	.02	2.33	-.00	103.00	807.00	910.00	1.2
1920.00	83.71	2200.00	62.10	83.73	.02	2.24	-.00	200.00	710.00	910.00	1.3

SECNO	CHSEL	Q	ELMIN	EQ	HV	10K*9	DIFMSP	TOPMID	SSTA	ENDST	VCH
2000.00	83.72	2200.00	61.70	83.74	.01	.23	0	281.89	514.73	796.62	1.0
2000.00	83.72	2200.00	61.70	83.74	.02	.38	-.00	103.00	572.00	675.00	1.1
2000.00	83.72	2200.00	61.70	83.74	.02	.24	.00	200.00	523.50	723.50	1.0
2100.00	83.68	2200.00	66.00	83.78	.10	3.63	0	133.05	572.27	705.32	2.5
2100.00	83.68	2200.00	66.00	83.78	.10	3.99	.00	80.00	610.00	690.00	2.6
2100.00	83.68	2200.00	66.00	83.78	.10	3.63	-.00	133.02	572.29	705.32	2.5
2105.00	83.68	2200.00	66.00	83.78	.10	3.63	0	133.08	572.25	705.32	2.5
2105.00	83.68	2200.00	66.00	83.79	.10	3.98	.00	80.00	610.00	690.00	2.6
2105.00	83.68	2200.00	66.00	83.78	.10	3.63	-.00	133.05	572.27	705.32	2.5
2110.00	83.68	2200.00	66.00	83.78	.10	3.62	0	133.13	572.20	705.33	2.5
2110.00	83.68	2200.00	66.00	83.79	.10	3.98	.00	80.00	610.00	690.00	2.6
2110.00	83.68	2200.00	66.00	83.78	.10	3.63	-.00	133.10	572.23	705.33	2.5
2275.00	83.73	2200.00	67.00	83.88	.15	5.24	0	94.22	64.79	159.01	3.1
2275.00	83.74	2200.00	67.00	83.89	.15	6.12	.01	65.00	80.00	145.00	3.1
2275.00	83.73	2200.00	67.00	83.88	.15	5.25	-.01	94.21	64.79	159.01	3.1
2280.00	83.73	2200.00	67.00	83.88	.15	5.24	0	94.23	64.78	159.02	3.1
2280.00	83.74	2200.00	67.00	83.90	.15	6.11	.01	65.00	80.00	145.00	3.1
2280.00	83.73	2200.00	67.00	83.88	.15	5.24	-.01	94.23	64.79	159.01	3.1
2335.00	83.72	2200.00	67.10	83.95	.23	8.74	0	50.61	574.69	625.31	3.8
2335.00	83.74	2200.00	67.10	83.97	.23	9.04	.02	50.00	575.00	625.00	3.8
2335.00	83.72	2200.00	67.10	83.95	.23	8.74	-.02	50.61	574.69	625.31	3.8
2340.00	83.73	2200.00	67.10	83.96	.23	8.73	0	50.62	574.69	625.31	3.8
2340.00	83.75	2200.00	67.10	83.98	.23	9.03	.02	50.00	575.00	625.00	3.8
2340.00	83.73	2200.00	67.10	83.96	.23	8.73	-.02	50.62	574.69	625.31	3.8
2365.00	84.07	2200.00	67.10	84.28	.22	7.91	0	50.84	574.58	625.42	3.7
2365.00	84.09	2200.00	67.10	84.30	.22	8.31	.02	50.00	575.00	625.00	3.7
2365.00	84.06	2200.00	67.10	84.28	.22	7.92	-.02	50.84	574.58	625.42	3.7
2400.00	84.13	2200.00	67.50	84.31	.18	6.06	0	84.99	65.34	150.33	3.4
2400.00	84.15	2200.00	67.50	84.34	.19	7.30	.01	55.00	65.00	140.00	3.4
2400.00	84.13	2200.00	67.50	84.31	.18	6.06	-.02	84.99	65.38	150.33	3.4
2600.00	84.34	2200.00	69.00	84.41	.06	2.25	0	146.18	429.68	575.86	2.0
2600.00	84.37	2200.00	69.00	84.44	.06	2.51	.03	105.00	460.00	565.00	2.0
2600.00	84.34	2200.00	69.00	84.41	.07	2.63	-.03	100.00	462.50	562.50	2.1
3100.00	84.48	2200.00	69.00	84.52	.04	1.44	0	237.14	0	237.14	1.7
3100.00	84.52	2200.00	69.00	84.56	.06	2.01	.04	105.00	35.00	140.00	1.9
3100.00	84.50	2200.00	69.00	84.56	.06	2.13	-.02	100.00	37.50	137.50	1.9
3160.00	84.47	2200.00	69.40	84.54	.07	2.09	0	97.00	428.00	525.00	2.1
3160.00	84.52	2200.00	69.40	84.59	.07	2.26	.05	85.00	435.00	520.00	2.1
3160.00	84.50	2200.00	69.40	84.57	.07	2.08	-.02	97.00	428.00	525.00	2.1
3190.00	84.72	2200.00	69.40	84.79	.07	1.96	0	125.13	0	525.00	2.1
3190.00	84.78	2200.00	69.40	84.84	.07	2.13	.05	85.00	435.00	520.00	2.1
3190.00	84.76	2200.00	69.40	84.82	.07	1.94	-.02	97.00	420.00	525.00	2.1

MOUTH TO RUSSELL ST

PHOTO COPY FROM FILE

SECNO	CHSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
3275.00	84.79	2100.00	70.00	84.81	.02	.80	0	503.61	288.93	784.55	1.4
3275.00	84.79	2100.00	70.00	84.87	.07	2.40	.08	73.00	698.00	783.00	2.1
3275.00	84.78	2100.00	70.00	84.84	.06	1.73	-.02	100.00	676.50	776.50	2.0
3600.00	84.81	2100.00	70.00	84.84	.03	1.14	0	611.02	60.33	671.36	1.5
3600.00	84.88	2100.00	70.00	84.94	.06	2.25	.07	95.00	435.00	530.00	2.0
3600.00	84.84	2100.00	70.00	84.90	.06	1.90	-.04	100.00	432.50	532.50	2.0

THE PAPER COMPANY
 1000 PAPER MILL ROAD
 WASHINGTON, D.C. 20004

FLOODWAY DATA, BLOUNTS CR MOUTH TO RUS
 PROFILE NO. 2

STATION	----- FLOODWAY WIDTH (FT)	----- FLOODWAY SECTION AREA	----- MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
400.000	50.	471.	4.7	62.4	61.4	1.0
900.000	50.	363.	6.1	63.4	61.8	1.6
935.000	59.	499.	4.4	64.3	63.1	1.2
965.000	59.	500.	4.4	64.3	63.1	1.2
1000.000	98.	547.	4.0	64.4	63.3	1.2
1500.000	48.	285.	7.7	65.7	65.4	.3
1800.000	55.	313.	7.0	68.0	67.8	.2
1910.000	103.	1795.	1.2	83.7	83.7	-.0
1915.000	103.	1796.	1.2	83.7	83.7	-.0
1925.000	103.	1797.	1.2	83.7	83.7	-.0
1912.000	103.	1786.	1.2	83.7	83.7	-.0
1915.000	103.	1776.	1.2	83.7	83.7	-.0
1920.000	103.	1756.	1.3	83.7	83.7	-.0
2000.000	103.	1983.	1.1	83.7	83.7	-.0
2100.000	80.	846.	2.6	83.7	83.7	.0
2105.000	80.	846.	2.6	83.7	83.7	.0
2110.000	80.	846.	2.6	83.7	83.7	.0
2275.000	65.	700.	3.1	83.7	83.7	.0
2280.000	65.	700.	3.1	83.7	83.7	.0
2335.000	50.	572.	3.8	83.7	83.7	.0
2340.000	50.	572.	3.8	83.7	83.7	.0
2365.000	50.	589.	3.7	84.1	84.1	.0
2400.000	55.	634.	3.5	84.1	84.1	.0
2600.000	105.	1078.	2.0	84.4	84.3	.0
3100.000	105.	1155.	1.9	84.5	84.5	.0
3160.000	85.	1025.	2.1	84.5	84.5	.1
3190.000	85.	1046.	2.1	84.8	84.7	.1

DRAWING BY: [unreadable]
 CHECKED BY: [unreadable]
 DATE: [unreadable]

3279.000

73.

980.

2.2

84.8

84.8

.0

3600.000

95.

1049.

2.0

84.9

84.8

.1

STANDARD MICROFILMS
SERIALS ACQUISITION
300 N ZEEB RD
ANN ARBOR MI 48106

FLOODWAY DATA, BLOUNTS CR MOUTH TO RUS
 PROFILE NO. 3

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
400,000	181.	1186.	1.9	62.4	61.4	1.0
900,000	82.	384.	5.7	62.6	61.8	.8
935,000	58.	452.	4.9	63.5	63.1	.4
965,000	58.	454.	4.8	63.5	63.1	.4
1000,000	91.	473.	4.7	63.6	63.3	.4
1500,000	47.	274.	8.0	65.5	65.4	.0
1800,000	85.	363.	6.1	67.8	67.8	.0
1910,000	200.	1985.	1.1	83.7	83.7	.0
1915,000	200.	1987.	1.1	83.7	83.7	.0
1925,000	200.	1987.	1.1	83.7	83.7	.0
1912,000	200.	1967.	1.1	83.7	83.7	.0
1915,000	200.	1947.	1.1	83.7	83.7	.0
1920,000	200.	1907.	1.2	83.7	83.7	.0
H 2000,000	200.	2662.	.8	83.9 ^L	83.9 ^L	.0
2100,000	133.	906.	2.4	83.7	83.7	.0
2105,000	133.	906.	2.4	83.7	83.7	.0
2110,000	133.	906.	2.4	83.7	83.7	.0
2275,000	94.	757.	2.9	83.7	83.7	.0
2280,000	94.	757.	2.9	83.7	83.7	.0
2335,000	51.	571.	3.9	83.7	83.7	.0
2340,000	51.	571.	3.9	83.7	83.7	.0
2365,000	51.	588.	3.7	84.1	84.1	.0
2400,000	85.	686.	3.2	84.1	84.1	.0
B 2600,000	100.	1050.	2.1	84.3	84.3	.0
3100,000	100.	1119.	2.0	84.5	84.5	.0
3160,000	97.	1058.	2.1	84.5	84.5	.0
3190,000	97.	1082.	2.0	84.8	84.7	.0

Notes:
 1 B/W from CUP (see plan)

40' 100'

ADAMS ST

3275.000 100. 1155. 1.8 84.8 84.8 .0

3600.000 100. 1078. 1.9 84.8 84.8 .0

STANDARD MOTOR PRODUCTS
STANDARD MOTOR PRODUCTS

SUMMARY PRINTOUT

BLOUNTS CR MOUTH TO RUS

SECNO	CWSEL	EG	WSELK	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR
400.00	61.40	61.57	61.40	177.70	525.79	1395.67	278.54	0	0	390.00	430.0
400.00	62.40	62.84	62.40	50.00	44.50	2111.56	43.94	50.00	385.00	390.00	430.0
400.00	62.40	62.52	61.40	181.00	553.18	1340.11	306.71	200.00	310.00	390.00	430.0
900.00	61.83	63.17	0	75.52	131.55	1854.85	213.60	0	0	570.00	595.0
900.00	63.38	64.35	0	50.00	109.67	1892.33	197.99	50.00	560.00	570.00	595.0
900.00	62.61	63.60	61.83	82.18	157.83	1792.64	249.53	200.00	482.50	570.00	595.0
935.00	63.09	63.50	0	56.95	0	2200.00	0	0	0	415.00	495.0
935.00	64.27	64.57	0	58.64	0	2200.00	0	80.00	415.00	415.00	495.0
935.00	63.47	63.84	63.09	57.50	0	2200.00	0	200.00	355.00	415.00	495.0
965.00	63.14	63.54	0	57.01	0	2200.00	0	0	0	415.00	495.0
965.00	64.30	64.60	0	58.67	0	2200.00	0	80.00	415.00	415.00	495.0
965.00	63.51	63.88	63.14	57.55	0	2200.00	0	200.00	355.00	415.00	495.0
1000.00	63.25	63.64	0	87.64	0	2200.00	0	0	0	503.00	730.0
1000.00	64.42	64.67	0	97.55	0	2200.00	0	227.00	503.00	503.00	730.0
1000.00	63.63	63.97	63.25	90.85	0	2200.00	0	200.00	516.50	503.00	730.0
1500.00	65.43	66.45	0	47.24	0	2200.00	0	0	0	465.00	520.0
1500.00	65.69	66.62	0	47.67	0	2200.00	0	55.00	465.00	465.00	520.0
1500.00	65.47	66.47	65.43	47.31	0	2200.00	0	200.00	392.50	465.00	520.0
1800.00	67.81	68.54	0	85.47	38.85	2118.78	42.37	0	0	595.00	650.0
1800.00	67.97	68.73	0	55.00	0	2200.00	0	55.00	595.00	595.00	650.0
1800.00	67.81	68.54	67.81	85.49	38.89	2118.70	42.41	200.00	522.50	595.00	650.0
1910.00	83.71	83.73	0	318.20	60.68	164.66	1974.66	0	0	807.00	813.0
1910.00	83.70	83.73	0	103.00	0	162.71	2037.29	103.00	807.00	807.00	813.0
1910.00	83.70	83.73	83.71	200.00	52.01	167.09	1980.90	200.00	710.00	807.00	813.0
1915.00	83.71	83.73	0	318.67	61.08	164.60	1974.33	0	0	807.00	813.0
1915.00	83.71	83.73	0	103.00	0	162.65	2037.35	103.00	807.00	807.00	813.0
1915.00	83.71	83.73	83.71	200.00	52.31	167.05	1980.64	200.00	710.00	807.00	813.0
1925.00	83.71	83.73	0	318.79	61.18	164.58	1974.24	0	0	807.00	813.0
1925.00	83.71	83.73	0	103.00	0	162.64	2037.36	103.00	807.00	807.00	813.0
1925.00	83.71	83.73	83.71	200.00	52.39	167.04	1980.57	200.00	710.00	807.00	813.0
1912.00	83.71	83.73	0	312.73	56.21	165.34	1978.45	0	0	807.00	813.0
1912.00	83.71	83.73	0	103.00	0	163.23	2036.77	103.00	807.00	807.00	813.0
1912.00	83.71	83.73	83.71	200.00	48.58	167.58	1983.84	200.00	710.00	807.00	813.0
1915.00	83.71	83.73	0	306.67	51.39	166.08	1982.52	0	0	807.00	813.0
1915.00	83.71	83.73	0	103.00	0	163.83	2036.17	103.00	807.00	807.00	813.0
1915.00	83.71	83.73	83.71	200.00	44.85	168.11	1987.04	200.00	710.00	807.00	813.0
1920.00	83.71	83.73	0	294.56	42.24	167.54	1990.22	0	0	807.00	813.0
1920.00	83.71	83.73	0	103.00	0	165.05	2034.95	103.00	807.00	807.00	813.0
1920.00	83.71	83.73	83.71	200.00	37.58	169.18	1993.23	200.00	710.00	807.00	813.0

SECNO	CHSEL	EG	MSELK	TOPWID	QLOB	OCH	QROB	PERENC	STENCL	STCHL	STCHR
2000.00	83.72	83.74	0	281.89	28.17	2000.65	171.18	0	0	572.00	675.0
2000.00	83.72	83.74	0	103.00	0	2200.00	0	103.00	572.00	572.00	675.0
2000.00	83.72	83.74	83.72	200.00	28.78	2037.82	133.41	200.00	523.50	572.00	675.0
2100.00	83.68	83.78	0	133.05	6.63	2183.58	9.79	0	0	610.00	690.0
2100.00	83.68	83.78	0	80.00	0	2200.00	0	80.00	610.00	610.00	690.0
2100.00	83.68	83.78	83.68	133.02	6.62	2183.60	9.78	200.00	550.00	610.00	690.0
2105.00	83.68	83.78	0	133.08	6.64	2183.57	9.79	0	0	610.00	690.0
2105.00	83.68	83.79	0	80.00	0	2200.00	0	80.00	610.00	610.00	690.0
2105.00	83.68	83.78	83.68	133.05	6.63	2183.58	9.79	200.00	550.00	610.00	690.0
2110.00	83.68	83.78	0	133.13	6.66	2183.54	9.80	0	0	610.00	690.0
2110.00	83.68	83.79	0	80.00	0	2200.00	0	80.00	610.00	610.00	690.0
2110.00	83.68	83.78	83.68	133.10	6.65	2183.56	9.80	200.00	550.00	610.00	690.0
2275.00	83.73	83.88	0	94.22	16.11	2172.89	11.00	0	0	80.00	145.0
2275.00	83.74	83.89	0	65.00	0	2200.00	0	65.00	80.00	80.00	145.0
2275.00	83.73	83.88	83.73	94.21	16.10	2172.91	11.00	200.00	12.50	80.00	145.0
2280.00	83.73	83.88	0	94.23	16.13	2172.86	11.02	0	0	80.00	145.0
2280.00	83.74	83.90	0	65.00	0	2200.00	0	65.00	80.00	80.00	145.0
2280.00	83.73	83.88	83.73	94.23	16.12	2172.87	11.01	200.00	12.50	80.00	145.0
2335.00	83.72	83.95	0	50.61	.01	2199.97	.01	0	0	575.00	625.0
2335.00	83.74	83.97	0	50.00	0	2200.00	0	50.00	575.00	575.00	625.0
2335.00	83.72	83.95	83.72	50.61	.01	2199.97	.01	200.00	500.00	575.00	625.0
2340.00	83.73	83.96	0	50.62	.01	2199.97	.01	0	0	575.00	625.0
2340.00	83.75	83.98	0	50.00	0	2200.00	0	50.00	575.00	575.00	625.0
2340.00	83.73	83.96	83.73	50.62	.01	2199.97	.01	200.00	500.00	575.00	625.0
2365.00	84.07	84.28	0	50.84	.03	2199.94	.03	0	0	575.00	625.0
2365.00	84.09	84.30	0	50.00	0	2200.00	0	50.00	575.00	575.00	625.0
2365.00	84.06	84.28	84.07	50.84	.03	2199.94	.03	100.00	550.00	575.00	625.0
2400.00	84.13	84.31	0	84.99	15.82	2174.13	10.05	0	0	85.00	140.0
2400.00	84.15	84.34	0	55.00	0	2200.00	0	55.00	85.00	85.00	140.0
2400.00	84.13	84.31	84.13	84.95	15.81	2174.15	10.05	100.00	62.50	85.00	140.0
2600.00	84.34	84.41	0	146.18	11.26	2181.74	7.00	0	0	460.00	565.0
2600.00	84.37	84.44	0	105.00	0	2200.00	0	105.00	460.00	460.00	565.0
2600.00	84.34	84.41	84.34	100.00	0	2200.00	0	100.00	462.50	460.00	565.0
3100.00	84.48	84.52	0	237.14	52.03	1992.51	155.46	0	0	35.00	140.0
3100.00	84.52	84.58	0	105.00	0	2200.00	0	105.00	35.00	35.00	140.0
3100.00	84.50	84.56	84.48	100.00	0	2200.00	0	100.00	37.50	35.00	140.0
3160.00	84.47	84.54	0	97.00	5.38	2190.54	4.08	0	0	435.00	520.0
3160.00	84.52	84.59	0	85.00	0	2200.00	0	85.00	435.00	435.00	520.0
3160.00	84.50	84.57	84.47	97.00	5.45	2190.43	4.12	100.00	427.50	435.00	520.0
3190.00	84.72	84.79	0	125.13	6.03	2189.57	4.40	0	0	435.00	520.0
3190.00	84.78	84.84	0	85.00	0	2200.00	0	85.00	435.00	435.00	520.0
3190.00	84.76	84.82	84.72	97.00	5.97	2189.58	4.45	100.00	427.50	435.00	520.0

2025 RELEASE UNDER E.O. 14176

SECNO	CNSEL	EO	WSELK	TOPWID	QLOB	OCH	OROB	PERENC	STENCL	STCHL	STCHR
3275.00	84.79	84.81	0	503.61	718.68	1371.22	10.09	0	0	698.00	763.0
3275.00	84.79	84.87	0	73.00	0	2100.00	0	73.00	698.00	698.00	763.0
3275.00	84.78	84.84	84.79	100.00	77.23	2008.36	14.41	100.00	676.50	698.00	763.0
3600.00	84.81	84.84	0	611.02	184.35	1623.04	292.61	0	0	435.00	930.0
3600.00	84.88	84.94	0	95.00	0	2100.00	0	95.00	435.00	435.00	930.0
3600.00	84.84	84.90	84.81	100.00	4.32	2091.33	4.34	100.00	432.50	435.00	930.0

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 22

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 ENCR OACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, LINEAR INTERPOLATION WAS USED TO CALCULATE ENCR OACHMENTS, NOW, THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIMATION OF CONVEYANCE VERSUS DISTANCE.
 - (2) FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NH CARD TO VARY n VALUES IN THE CHANNEL. THE PROGRAM WILL NOW ALLOW BOTH A CHANGE IN n VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO n VARIATION IS DEFINED IN THE CHANNEL WHEN THE NH CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW COMPUTATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.
 - (3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.
 - (4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CHANNEL AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SHOULD BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE 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 ENCR OACHMENT 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).
- *****

T1 FPMS BR FAYETTVILLE FIS
 T2 100 YR NATURAL
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	O	WSEL	FO
	-1.	2.	-0	0	-0	-0	-0	-0	61,400	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	EN	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
NC	.120	.120	.050	.200	.400	0	0	0	0	0
QT	7,000	2200,000	2200,000	2200,000	2200,000	930,000	1730,000	3820,000	0	0
ET	0	0	9,100	200,200	0	0	0	0	385,000	435,000
X1	400,000	26,000	390,000	430,000	0	0	0	0	0	0
GR	80,000	40,000	78,000	80,000	76,000	145,000	74,000	195,000	72,000	225,000
GR	70,000	280,000	68,000	290,000	66,000	298,000	64,000	302,000	62,000	309,000
GR	60,000	315,000	58,000	323,000	56,000	341,000	54,000	390,000	53,000	400,000
GR	52,000	412,000	52,000	424,000	53,000	427,000	54,000	430,000	56,000	453,000
GR	58,000	461,000	60,000	485,000	70,000	510,000	80,000	545,000	88,000	610,000
GR	89,000	780,000	0	0	0	0	0	0	0	0
ET	0	0	9,100	0	0	0	0	0	560,000	610,000
X1	900,000	14,000	570,000	595,000	500,000	500,000	500,000	0	0	0
GR	100,000	350,000	82,000	398,000	80,000	503,000	70,000	525,000	60,000	555,000
GR	57,000	570,000	54,000	574,000	54,000	590,000	56,200	595,000	60,000	615,000
GR	70,000	670,000	80,000	730,000	86,000	745,000	88,000	1110,000	0	0
ET	0	0	9,100	0	0	0	0	0	415,000	495,000
X1	935,000	29,000	415,000	495,000	35,000	35,000	35,000	0	0	0
GR	78,000	28,000	80,000	130,000	81,000	205,000	80,000	285,000	78,000	330,000
GR	73,800	400,000	71,300	405,000	69,300	410,000	68,800	415,000	66,900	420,000
GR	64,500	425,000	54,300	430,000	53,700	435,000	54,000	440,000	54,900	445,000
GR	54,600	450,000	54,600	455,000	54,500	460,000	54,700	465,000	55,000	470,000
GR	56,100	475,000	60,300	480,000	65,600	485,000	69,100	490,000	71,500	495,000
GR	78,000	565,000	80,000	585,000	86,000	625,000	86,500	885,000	0	0
SB	1,250	2,040	2,500	0	100,000	4,000	1150,000	0	0	0
ET	0	0	9,100	0	0	0	0	0	415,000	495,000
X1	965,000	29,000	415,000	495,000	15,000	15,000	15,000	0	0	0
X2	0	0	1,000	72,600	76,800	0	0	0	0	0
BT	10,000	28,000	78,000	72,600	205,000	81,000	72,600	285,000	80,000	72,600
BT	330,000	78,000	72,600	400,000	76,800	72,600	500,000	76,800	72,600	565,000
BT	78,000	72,600	585,000	80,000	72,600	625,000	86,000	72,600	885,000	86,500
BT	72,600	0	0	0	0	0	0	0	0	0
GR	78,000	28,000	80,000	130,000	81,000	205,000	80,000	285,000	78,000	330,000
GR	73,800	400,000	71,300	405,000	69,300	410,000	68,800	415,000	66,900	420,000
GR	64,500	425,000	54,300	430,000	53,700	435,000	54,000	440,000	54,900	445,000
GR	54,600	450,000	54,600	455,000	54,500	460,000	54,700	465,000	55,000	470,000
GR	56,100	475,000	60,300	480,000	65,600	485,000	69,100	490,000	71,500	495,000
GR	78,000	565,000	80,000	585,000	86,000	625,000	86,500	885,000	0	0
ET	0	0	9,100	0	0	0	0	0	503,000	730,000

X1	1000.000	14.000	503.000	730.000	39.000	39.000	39.000	0	0	0
GR	100.000	390.000	82.000	395.000	80.000	503.000	70.000	525.000	60.000	555.000
GR	57.000	570.000	54.000	574.000	54.000	590.000	56.200	595.000	60.000	615.000
GR	70.000	670.000	80.000	730.000	86.000	745.000	88.000	1110.000	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	465.000	520.000
X1	1500.000	16.000	465.000	520.000	500.000	500.000	500.000	0	0	-0
GR	86.500	0	86.000	410.000	84.000	440.000	82.000	445.000	80.000	452.000
GR	70.000	465.000	60.000	470.000	59.500	475.000	58.500	480.000	58.500	500.000
GR	59.800	505.000	60.000	508.000	70.000	520.000	80.000	670.000	86.000	715.000
GR	86.500	805.000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	595.000	650.000
X1	1800.000	17.000	595.000	650.000	300.000	300.000	300.000	0	0	-0
GR	88.000	28.000	86.000	455.000	84.000	510.000	82.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	-0	-0	-0	-0	-0	-0
SB	1.250	2.040	2.500	0	6.000	0	28.000	0	0	0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1910.000	15.000	807.000	813.000	10.000	10.000	10.000	0	0	-0
X2	0	0	1.000	67.720	81.500	-0	-0	-0	-0	-0
BT	10.000	0	88.000	67.700	582.000	86.000	67.700	710.000	82.000	67.700
BT	770.000	81.500	67.700	825.000	81.500	67.700	890.000	82.000	67.700	970.000
BT	84.000	67.700	1070.000	88.000	67.700	1180.000	90.000	67.700	1220.000	90.500
BT	67.700	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	88.000	0	86.000	582.000	84.000	634.000	82.000	710.000	81.500	807.000
GR	81.500	807.000	67.700	807.000	61.700	807.000	61.700	813.000	67.700	890.000
GR	81.500	913.000	84.000	970.000	86.000	1070.000	88.000	1070.000	90.500	1220.000
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1915.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1925.000	0	0	0	10.000	10.000	10.000	1.000	0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1912.000	0	0	0	2.000	2.000	0	1.000	.100	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1915.000	0	0	0	5.000	3.000	0	1.000	.100	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	807.000	910.000
X1	1920.000	0	0	0	5.000	5.000	0	1.000	.200	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	572.000	675.000
X1	2000.000	17.000	572.000	675.000	80.000	80.000	80.000	0	0	-0
GR	88.000	28.000	86.000	455.000	84.000	510.000	82.000	545.000	80.000	560.000
GR	70.000	572.000	64.000	595.000	62.000	605.000	61.700	625.000	62.000	640.000
GR	64.000	650.000	70.000	675.000	80.000	750.000	84.000	800.000	88.000	890.000
GR	90.000	1025.000	90.000	1155.000	-0	-0	-0	-0	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	610.000	690.000
X1	2100.000	15.000	610.000	690.000	100.000	100.000	100.000	0	0	-0
GR	86.500	0	86.000	510.000	84.000	565.000	82.000	610.000	80.000	615.000

GR	72,000	620,000	88,500	635,000	86,000	638,000	88,000	649,000	88,900	640,000
GR	72,000	660,000	80,000	690,000	86,000	715,000	88,000	780,000	90,000	980,000
ET	-0	-0	9,100	-0	-0	-0	-0	-0	610,000	690,000
X1	2105,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	610,000	690,000
X1	2110,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	80,000	145,000
X1	2275,000	15,000	80,000	145,000	175,000	175,000	175,000	0	0	-0
GR	86,000	0	84,000	64,000	82,000	70,000	80,000	80,000	72,000	100,000
GR	67,500	105,000	67,000	108,000	67,000	118,000	67,500	120,000	72,000	125,000
GR	80,000	145,000	84,000	160,000	86,000	200,000	88,000	420,000	90,000	470,000
ET	-0	-0	9,100	-0	-0	-0	-0	-0	80,000	145,000
X1	2280,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	575,000	625,000
X1	2335,000	16,000	575,000	625,000	60,000	60,000	60,000	0	0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	575,000	625,000
X1	2340,000	16,000	575,000	625,000	5,000	5,000	5,000	0	0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1,250	2,040	2,500	0	50,000	0	525,000	0	0	0
ET	-0	-0	9,100	100,200	-0	-0	-0	-0	575,000	625,000
X1	2365,000	16,000	575,000	625,000	25,000	25,000	25,000	0	0	-0
X2	0	0	1,000	82,800	85,800	-0	-0	-0	-0	-0
BT	10,000	0	87,000	82,800	445,000	86,000	82,800	450,000	85,800	82,800
BT	574,000	85,800	82,800	625,000	85,800	82,800	626,000	85,800	82,800	810,000
BT	86,000	82,800	855,000	87,000	82,800	960,000	88,000	82,800	1270,000	90,000
BT	82,800	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	87,000	0	86,000	445,000	85,800	450,000	85,800	574,000	82,800	575,000
GR	70,100	589,000	68,500	591,000	67,100	596,000	67,900	611,000	82,800	625,000
GR	85,800	626,000	85,800	660,000	86,000	810,000	87,000	855,000	88,000	960,000
GR	90,000	1270,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	85,000	140,000
X1	2400,000	13,000	85,000	140,000	35,000	35,000	35,000	0	0	-0
GR	86,000	0	84,000	70,000	80,000	85,000	72,000	95,000	68,000	100,000
GR	67,500	104,000	67,500	111,000	68,000	115,000	72,000	120,000	80,000	140,000
GR	86,000	155,000	88,000	280,000	90,000	660,000	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	460,000	565,000
X1	2600,000	16,000	460,000	565,000	200,000	200,000	200,000	0	0	-0
GR	86,500	0	86,000	380,000	84,000	440,000	82,000	455,000	80,000	460,000
GR	72,000	525,000	69,500	530,000	69,000	533,000	69,000	552,000	69,500	554,000
GR	72,000	555,000	80,000	565,000	86,000	580,000	88,000	640,000	88,000	750,000
GR	90,500	1030,000	-0	-0	-0	-0	-0	-0	-0	-0

2025 RELEASE UNDER E.O. 14176

X1	3100,000	16,000	35,000	140,000	600,000	600,000	600,000	0	0	-0
GR	84,000	0	82,000	10,000	80,000	20,000	78,000	35,000	72,000	70,000
GR	69,500	73,000	69,000	77,000	69,000	87,000	69,500	90,000	72,000	100,000
GR	78,000	140,000	80,000	190,000	82,000	210,000	84,000	230,000	86,000	260,000
GR	88,000	280,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	520,000

X1	3160,000	15,000	435,000	520,000	60,000	60,000	60,000	0	0	-0
GR	84,500	0	86,000	190,000	87,000	428,000	81,800	428,000	81,700	435,000
GR	73,000	447,000	69,800	460,000	70,700	474,000	69,400	484,000	70,800	504,000
GR	81,400	520,000	81,600	525,000	87,000	525,000	88,000	570,000	89,000	840,000
SB	1,250	2,040	2,500	0	93,000	4,000	690,000	0	0	0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	520,000

X1	3190,000	15,000	435,000	520,000	15,000	15,000	15,000	0	0	-0
X2	0	0	1,000	82,900	84,500	-0	-0	-0	-0	-0
BT	8,000	0	84,500	82,900	190,000	86,000	82,900	428,000	87,000	82,900
BT	430,000	87,000	82,900	465,000	87,000	82,900	525,000	87,000	82,900	570,000
BT	88,000	82,900	840,000	89,000	82,900	-0	-0	-0	-0	-0
GR	84,500	0	86,000	190,000	87,000	428,000	81,800	428,000	81,700	435,000
GR	73,000	447,000	69,800	460,000	70,700	474,000	69,400	484,000	70,800	504,000
GR	81,400	520,000	81,600	525,000	87,000	525,000	88,000	570,000	89,000	840,000
QT	7,000	2100,000	2100,000	2100,000	2100,000	920,000	1660,000	3650,000	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	690,000	763,000

X1	3275,000	17,000	690,000	763,000	85,000	85,000	85,000	0	0	-0
GR	85,800	0	84,000	500,000	82,000	510,000	80,000	530,000	78,000	550,000
GR	76,000	580,000	74,000	690,000	72,000	710,000	70,500	730,000	70,000	735,000
GR	70,000	750,000	70,500	755,000	72,000	760,000	80,000	763,000	86,000	790,000
GR	88,000	800,000	90,000	830,000	-0	-0	-0	-0	-0	-0
ET	-0	-0	9,100	-0	-0	-0	-0	-0	435,000	530,000

X1	3600,000	15,000	435,000	530,000	325,000	325,000	325,000	0	0	-0
GR	86,500	0	84,000	90,000	84,000	315,000	82,000	350,000	80,000	400,000
GR	78,000	435,000	72,000	470,000	70,500	475,000	70,000	479,000	70,000	486,000
GR	70,500	490,000	72,000	495,000	78,000	530,000	80,000	640,000	90,000	705,000
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 FIS
 T2 FLOODWAY STUDY FLOODWAYS
 T3 BLOUNTS CR MOUTH TO RUSSEL ST

J1 ICHECK INO NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 .10. 4. -0 .0 -0 -0 -0 -0 62.400 -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 3

CCHV# .200 CEHV# .400

*SECNO 400.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	THA	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#	310.0	510.0	TYPE#	2	TARGET#	200,000
400.00	10.40	62.40	0	61.40	62.52	.12
2200.	553.	1340.	307.	495.	389.	302.
0	1.12	3.45	1.01	.120	.050	.120
.000656	0	0	0	0	0	1

FLOW DISTRIBUTION

STA#	310.	315.	323.	341.	390.	430.	453.	461.	485.	491.
PER Q#	.1	.9	4.3	19.8	60.9	9.3	1.9	2.7	.1	.1
AREA#	7.8	27.2	97.2	362.6	389.0	170.2	43.2	81.6	7.2	7.2
VEL#	.4	.7	1.0	1.2	3.4	1.2	1.0	.7	.3	.3

*SECNO 900.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS#	482.5	682.5	TYPE#	2	TARGET#	200,000
900.00	8.61	62.61	0	61.83	63.60	.99
2200.	158.	1793.	250.	72.	204.	109.
.02	2.20	8.80	2.29	.120	.050	.120
.005765	500.	500.	500.	2	0	1

FLOW DISTRIBUTION

STA#	547.	555.	570.	595.	615.	629.
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F/W
12/23/76

SUMMARY PRINTOUT

BLOUNTS CR RUSSEL TO ST

SECNO	CWSEL	Q	ELMIN	EQ	HV	DIFWSP
3275.00	84.80	2050.00	70.00	84.86	.06	0
3276.00	84.80	2050.00	70.00	84.86	.06	0
3277.00	84.80	2050.00	70.00	84.86	.06	0
3278.00	84.80	2050.00	70.00	84.86	.06	0
3280.00	84.80	2050.00	70.00	84.86	.06	0
3285.00	84.80	2050.00	70.00	84.86	.06	0
3475.00	84.82	2050.00	70.90	84.94	.12	0
3775.00	85.02	2050.00	72.50	85.16	.15	0
4175.00	85.34	2050.00	73.30	85.59	.25	0
4575.00	85.84	2050.00	73.40	85.98	.15	0
4915.00	86.01	2050.00	73.40	86.12	.11	0
5175.00	85.99	2050.00	73.40	86.34	.36	0
5260.00	86.06	2050.00	73.40	86.49	.43	0
5265.00	86.05	2050.00	73.40	86.51	.46	0
5265.00	86.36	2050.00	73.40	86.56	.20	0
5300.00	86.38	2050.00	73.40	86.56	.18	0
5305.00	86.34	2050.00	73.40	86.59	.25	0
5310.00	86.30	2050.00	74.00	86.62	.32	0
5575.00	86.68	2050.00	77.40	86.88	.20	0
5775.00	86.79	2010.00	77.90	87.17	.38	0
6135.00	87.44	2010.00	78.50	88.42	.98	0
6190.00	87.57	2010.00	78.50	88.83	1.26	0
6210.00	88.85	2010.00	78.50	90.02	1.17	0
6240.00	88.93	2010.00	78.50	90.02	1.09	0
6260.00	89.99	2010.00	78.50	90.22	.24	0
6275.00	90.00	2010.00	78.50	90.23	.24	0
6375.00	90.12	2010.00	78.40	90.30	.18	0

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
6715.00	90.40	2000.00	80.10	90.71	.30	0
6720.00	90.42	2000.00	80.10	90.72	.30	0
6730.00	89.22	2000.00	80.40	91.64	2.42	0
6740.00	88.89	2000.00	80.40	91.64	2.74	0
6745.00	92.13	2000.00	80.40	92.20	.07	0
6925.00	92.30	2000.00	80.00	92.63	.33	0
7090.00	92.66	2000.00	81.30	93.12	.46	0
7095.00	92.61	2000.00	81.30	93.19	.58	0
7105.00	92.62	2000.00	82.10	93.27	.64	0
7106.00	92.63	2000.00	82.10	93.27	.64	0
7107.00	92.64	2000.00	82.10	93.28	.64	0
7109.00	92.65	2000.00	82.10	93.29	.64	0
7111.00	92.66	2000.00	82.10	93.30	.64	0
7116.00	92.70	2000.00	82.10	93.33	.63	0
7124.00	92.64	2000.00	81.40	93.46	.83	0
7126.00	92.72	2000.00	81.40	93.47	.75	0
7131.00	92.75	2000.00	81.00	93.50	.75	0
7136.00	93.19	2000.00	81.00	93.60	.40	0
7575.00	94.22	2000.00	82.30	94.38	.16	0
7925.00	94.59	1970.00	82.90	94.94	.35	0
7930.00	94.53	1970.00	82.90	95.00	.47	0
7940.00	94.83	1970.00	83.00	95.07	.24	0
7975.00	94.84	1970.00	83.00	95.09	.24	0
7980.00	94.86	1970.00	83.00	95.10	.24	0
7985.00	94.80	1970.00	83.10	95.16	.36	0
8175.00	95.49	1970.00	82.00	95.58	.09	0
8575.00	95.70	1970.00	84.40	95.96	.26	0
8745.00	96.04	1950.00	84.40	96.21	.17	0
8750.00	96.00	1950.00	84.40	96.26	.26	0

15/1/1975
C

C-20

SECNO	CMSEL	Q	ELMIN	EG	HV	DIFWSP
8760.00	95.96	1950.00	84.20	96.32	.36	0
8785.00	95.99	1950.00	84.20	96.35	.35	0
8790.00	96.17	1950.00	84.20	96.39	.21	0
8795.00	96.10	1950.00	86.40	96.45	.36	0
8970.00	96.70	1950.00	86.40	96.78	.08	0
9205.00	96.91	1930.00	85.60	97.06	.15	0
9210.00	96.80	1930.00	85.60	97.15	.35	0
9215.00	96.92	1930.00	85.50	97.19	.27	0
9245.00	96.95	1930.00	85.50	97.22	.27	0
9250.00	97.03	1930.00	85.50	97.24	.22	0
9255.00	96.96	1930.00	88.00	97.31	.36	0
9580.00	98.01	1930.00	87.60	98.16	.15	0
9905.00	98.72	1910.00	88.80	99.01	.29	0

SUMMARY PRINTOUT

BLOUNTS CR RUSSEL TO ST

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
3275.00	0	144.00	151.00	237.00	244.00	100.00
3276.00	0	144.00	151.00	237.00	244.00	100.00
3277.00	0	144.00	151.00	237.00	244.00	100.00
3278.00	0	144.00	151.00	237.00	244.00	100.00
3280.00	0	144.00	151.00	237.00	244.00	100.00
3285.00	0	144.00	151.00	237.00	244.00	100.00
3475.00	0	82.50	80.00	185.00	182.50	100.00
3775.00	0	430.50	466.00	495.00	530.50	100.00
4175.00	0	519.00	546.00	592.00	594.85	75.85
4575.00	0	105.00	137.00	173.00	205.00	100.00
4915.00	0	498.50	513.00	584.00	598.50	100.00
5175.00	0	896.50	924.00	969.00	996.50	100.00
5260.00	0	839.50	869.00	910.00	939.50	100.00
5265.00	0	639.50	669.00	710.00	739.50	100.00
5265.00	0	770.00	800.00	840.00	870.00	100.00
5300.00	0	745.00	800.00	840.00	895.00	150.00
5305.00	0	751.00	814.00	838.00	901.00	150.00
5310.00	0	654.50	709.00	750.00	804.50	150.00
5575.00	0	570.00	620.00	670.00	708.44	138.44
5775.00	0	277.13	310.00	340.00	400.00	122.87
6135.00	0	959.00	1013.00	1055.00	1076.57	74.12
6190.00	0	954.00	1013.00	1045.00	1104.00	150.00
6210.00	0	653.00	722.00	734.00	803.00	150.00
6240.00	0	653.00	722.00	734.00	803.00	150.00
6260.00	0	657.50	720.00	745.00	807.50	150.00
6275.00	0	657.50	720.00	745.00	807.50	150.00
6375.00	0	165.00	225.00	255.00	315.00	150.00

SHEET 107 - 11/10/11

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
6715.00	0	530.95	544.00	585.00	639.50	108.55
6720.00	0	530.87	544.00	585.00	639.50	108.63
6730.00	0	548.29	548.00	0	568.93	20.64
6740.00	0	548.42	548.00	568.00	568.89	20.47
6745.00	0	516.72	544.00	0	697.73	181.01
6925.00	0	43.50	80.00	100.00	240.00	196.50
7090.00	0	431.98	431.00	479.00	474.36	42.38
7095.00	0	431.50	431.00	470.00	467.58	36.09
7105.00	0	431.50	431.00	470.00	467.51	36.01
7106.00	0	431.50	431.00	470.00	467.51	36.02
7107.00	0	431.50	431.00	470.00	467.52	36.03
7109.00	0	431.49	431.00	470.00	467.53	36.04
7111.00	0	431.49	431.00	470.00	467.55	36.05
7116.00	0	431.49	431.00	470.00	467.58	36.10
7124.00	0	699.29	695.00	726.00	725.68	26.39
7126.00	0	699.22	695.00	729.00	727.75	28.52
7131.00	0	58.41	50.00	100.00	97.25	38.84
7136.00	0	58.48	50.00	119.00	113.20	54.72
7575.00	0	260.00	290.00	330.00	360.00	100.00
7925.00	0	174.69	195.00	223.00	259.00	84.31
7930.00	0	181.78	195.00	233.00	264.00	82.22
7940.00	0	190.29	190.00	251.00	250.81	60.52
7975.00	0	190.28	190.00	251.00	250.81	60.52
7980.00	0	184.62	190.00	251.00	250.81	66.19
7985.00	0	126.00	147.00	205.00	200.38	74.38
8175.00	0	290.00	305.00	375.00	390.00	100.00
8575.00	0	217.50	245.00	290.00	317.50	100.00
8745.00	0	1002.26	1000.00	1073.00	1086.50	84.24
8750.00	0	1004.97	1000.00	1073.00	1072.99	68.02

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
8768.00	0	416.17	400.00	469.00	483.39	67.22
8785.00	0	416.10	400.00	469.00	483.46	67.36
8790.00	0	401.70	400.00	469.00	484.50	82.80
8795.00	0	568.50	600.00	637.00	668.50	100.00
8970.00	0	610.00	720.00	750.00	860.00	250.00
9205.00	0	308.00	409.00	457.00	550.00	250.00
9210.00	0	410.13	409.00	457.00	483.27	73.14
9215.00	0	502.12	491.00	557.00	584.05	81.93
9245.00	0	502.08	491.00	557.00	584.27	82.19
9250.00	0	494.75	491.00	557.00	601.87	107.11
9255.00	0	260.50	371.00	400.00	493.44	232.94
9580.00	0	262.50	370.00	405.00	512.50	250.00
9905.00	0	344.50	456.00	483.00	594.50	250.00

POSSIBLE ERROR SECNO= 6210.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
 POSSIBLE ERROR SECNO= 6210.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

INTERACTIVE HEC2 VERSION UPDATED SEPT 1976
ERROR CORRECTIONS 01,02,03,04,09,06,07,08,09,10
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 COEFFICIENT. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.
 - (3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.
 - (4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STATISTICS 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 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 (FTS 448-2105 OR 448-3292).

T1 FPMS BR FAYETTEVILLE FIS
 T2 FLOODWAY
 T3 BLOWNTS CR RUSSEL TO ST WINSLOW ST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	-0	0	-0	0	-0	-0	84,800	0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	-1,000	0	-1,000	0	0	0	0	0	0	0
J3	-2,000	1,000	43,000	42,000	3,000	10,000	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	0	0	0	0
NC	.100	.100	.050	.200	.400	0	0	0	0	0
QT	7,000	2050,000	2050,000	2050,000	2050,000	870,000	1610,000	3550,000	0	0
ET	0	0	0	100,200	0	0	0	0	0	0
X1	3275,000	15,000	151,000	237,000	0	0	0	0	0	0
GR	87,700	0	86,000	58,000	84,000	125,000	82,000	133,000	80,000	151,000
GR	76,000	180,000	70,000	215,000	74,000	224,000	76,000	237,000	78,000	262,000
GR	80,000	286,000	82,000	292,000	84,000	319,000	86,000	340,000	88,000	358,000
ET	0	0	9,100	0	0	0	0	0	151,000	237,000
X1	3276,000	0	0	0	1,000	1,000	1,000	1,000	0	0
ET	0	0	9,100	0	0	0	0	0	151,000	237,000
X1	3277,000	0	0	0	1,000	1,000	1,000	1,000	0	0
ET	0	0	9,100	0	0	0	0	0	151,000	237,000
X1	3278,000	0	0	0	1,000	1,000	1,000	1,000	0	0
ET	0	0	9,100	0	0	0	0	0	151,000	237,000
X1	3280,000	0	0	0	2,000	2,000	2,000	1,000	0	0
ET	0	0	9,100	0	0	0	0	0	151,000	237,000
X1	3285,000	0	0	0	5,000	5,000	5,000	1,000	0	0
ET	0	0	9,100	0	0	0	0	0	80,000	200,000
X1	3475,000	15,000	80,000	185,000	190,000	190,000	190,000	0	0	0
GR	86,000	0	86,000	60,000	84,000	80,000	82,000	180,000	80,000	120,000
GR	71,500	165,000	70,900	170,000	72,000	175,000	74,000	185,000	76,000	200,000
GR	78,000	240,000	80,000	305,000	82,000	330,000	84,000	355,000	86,000	375,000
ET	0	0	9,100	0	0	0	0	0	400,000	510,000
X1	3775,000	19,000	466,000	495,000	300,000	300,000	300,000	0	0	0
GR	86,000	0	84,000	155,000	82,000	185,000	80,000	210,000	78,000	260,000
GR	76,000	435,000	74,000	465,000	77,500	466,000	72,900	473,000	72,700	482,000
GR	72,500	467,000	77,700	495,000	74,000	497,000	76,000	500,000	78,000	505,000
GR	80,000	510,000	82,000	525,000	84,000	545,000	86,000	560,000	0	0
ET	0	0	9,100	0	0	0	0	0	460,000	592,000
X1	4175,000	12,000	546,000	592,000	400,000	400,000	400,000	0	0	0

GR	74,400	563,000	74,100	576,000	70,000	550,000	77,300	500,000	79,200	540,000
GR	85,900	700,000	87,400	750,000	74,300	579,000	85,200	502,000	85,000	600,000
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	100,000	200,000
X1	4575,000	15,000	137,000	173,000	400,000	400,000	400,000	400,000	78,000	115,000
GR	86,000	0	84,000	20,000	82,000	80,000	80,000	90,000	78,000	115,000
GR	76,000	135,000	78,600	137,000	73,400	148,000	73,400	152,000	73,400	158,000
GR	78,000	173,000	80,000	210,000	82,000	240,000	84,000	1275,000	86,000	330,000
NC	.100	.100	.040	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	510,000	600,000
X1	4919,000	13,000	513,000	584,000	340,000	340,000	340,000	340,000	0	-0
X2	0	680,000	0	0	0	0	0	0	0	0
GR	87,000	0	86,200	50,000	84,000	89,000	84,000	474,000	82,000	513,000
GR	75,000	529,000	73,400	350,000	75,000	571,000	80,000	504,000	82,000	662,000
GR	84,000	710,000	86,000	850,000	87,000	950,000	-0	-0	-0	-0
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	910,000	970,000
X1	5175,000	13,000	924,000	969,000	260,000	260,000	260,000	260,000	0	-0
X2	0	680,000	0	0	0	0	0	0	0	0
GR	88,000	0	86,000	400,000	83,800	800,000	83,500	850,000	81,800	900,000
GR	81,300	924,000	76,800	934,000	73,400	941,000	73,400	950,000	85,800	969,000
GR	85,700	1000,000	86,200	1050,000	84,000	1100,000	-0	-0	-0	-0
NC	.100	.100	.040	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	870,000	955,000
X1	5200,000	14,000	869,000	910,000	85,000	85,000	85,000	85,000	0	-0
X2	0	680,000	0	0	0	0	0	0	0	0
GR	88,000	0	86,300	200,000	84,000	260,000	84,000	700,000	84,200	869,000
GR	79,400	882,000	75,400	883,000	73,400	890,000	75,200	900,000	80,800	910,000
GR	82,400	910,000	84,000	938,000	80,000	952,000	80,000	978,000	-0	-0
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	609,000	752,000
X1	5265,000	13,000	669,000	710,000	5,000	5,000	5,000	5,000	-0	-0
X2	0	680,000	0	0	0	0	0	0	0	0
GR	88,200	0	88,000	60,000	84,200	500,000	84,200	669,000	79,400	682,000
GR	73,400	683,000	73,400	690,000	72,200	700,000	80,800	710,000	82,600	710,000
GR	84,200	730,000	86,000	752,000	89,000	1200,000	-0	-0	-0	-0
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	800,000	835,000
X1	5265,000	8,000	800,000	840,000	.100	.100	.100	.100	-0	-0
X3	10,000	0	0	0	0	0	0	0	84,000	84,000
GR	90,000	0	86,000	200,000	84,000	795,000	73,400	800,000	73,400	840,000
GR	80,000	845,000	84,200	867,000	90,000	2000,000	-0	-0	-0	-0
ET	1,250	1,600	2,500	800,000	40,000	1,900	1340,000	0	73,400	73,400
ET	-0	-0	9,100	150,200	-0	-0	-0	-0	800,000	835,000
X1	5300,000	-0	-0	80	45,000	45,000	45,000	45,000	-0	-0
X2	-0	-0	1,000	82,300	84,000	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	84,000	84,000	84,000
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	740,000	838,000
X1	5305,000	10,000	814,000	838,000	5,000	5,000	5,000	5,000	0	-0
X2	0	680,000	0	0	0	0	0	0	0	0
GR	90,000	0	86,000	175,000	82,900	709,000	79,400	814,000	73,400	816,000
GR	73,400	825,000	73,400	832,000	81,000	838,000	84,100	867,000	90,000	1750,000
ET	-0	-0	9,100	750,000	-0	-0	-0	-0	690,000	750,000

Completed

X1	5310.000	14.000	709.000	750.000	5.000	5.000	5.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	90.000	0	86.000	150.000	85.500	600.000	84.500	650.000	84.600	690.000
GR	82.500	700.000	81.700	709.000	78.000	712.000	74.000	720.000	74.800	727.000
GR	83.000	750.000	83.000	800.000	84.200	825.000	90.000	1250.000	-0	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	600.000	700.000

X1	5575.000	15.000	620.000	670.000	265.000	265.000	265.000	0	0	-0
X2	0	680.000	0	0	0	-0	-0	-0	-0	-0
GR	90.000	0	88.000	30.000	84.000	145.000	84.000	415.000	82.000	565.000
GR	80.000	620.000	77.400	640.000	77.800	646.000	78.400	652.000	80.800	670.000
GR	82.000	675.000	84.000	685.000	86.000	700.000	88.000	725.000	90.000	790.000
NC	.100	.100	.040	.200	.400	-0	-0	-0	-0	-0
QT	7.000	2010.000	2010.000	2010.000	2010.000	850.000	1575.000	3400.000	-0	-0

X1	5775.000	12.000	310.000	340.000	200.000	200.000	200.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	89.800	0	89.400	200.000	89.100	260.000	83.700	300.000	82.600	310.000
GR	78.200	322.000	77.900	328.000	78.000	332.000	80.300	340.000	82.700	400.000
GR	82.800	430.000	90.000	600.000	-0	-0	-0	-0	-0	-0
NC	.100	.100	.040	.200	.400	-0	-0	-0	-0	-0

X1	6135.000	15.000	1013.000	1055.000	360.000	360.000	360.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	92.000	0	90.000	25.000	83.000	700.000	87.300	900.000	87.200	950.000
GR	87.000	1000.000	87.000	1013.000	78.500	1024.000	78.700	1030.000	78.900	1040.000
GR	87.200	1055.000	87.700	1100.000	87.900	1150.000	90.000	1400.000	92.000	1450.000

X1	6190.000	15.000	1013.000	1045.000	55.000	55.000	55.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	93.000	0	90.000	80.000	85.500	700.000	87.100	900.000	86.900	950.000
GR	87.500	1000.000	87.200	1013.000	78.500	1024.000	78.700	1038.000	78.900	1040.000
GR	87.000	1045.000	87.200	1100.000	87.200	1150.000	90.000	1400.000	92.000	1450.000

X1	6210.000	14.000	722.000	734.000	20.000	20.000	20.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	94.000	0	90.000	175.000	80.000	375.000	86.700	640.000	86.700	641.000
GR	86.700	722.000	78.500	724.000	78.700	733.000	86.700	734.000	86.700	735.000
GR	86.700	833.000	86.000	1000.000	90.000	1100.000	92.000	1150.000	-0	-0
SB	1.050	1.050	2.500	0	20.000	1.000	175.000	0	0	0

X1	6240.000	14.000	722.000	734.000	15.000	15.000	15.000	0	0	-0
X2	0	675.000	1.000	82.600	86.000	-0	-0	-0	-0	-0
BT	0.000	0	94.000	82.600	175.000	90.000	82.600	375.000	88.000	82.600
BT	640.000	86.700	82.600	722.000	86.700	82.600	734.000	86.700	82.600	833.000
BT	86.700	82.600	1000.000	86.000	82.600	1100.000	90.000	82.600	-0	-0
GR	94.000	0	90.000	175.000	80.000	375.000	86.700	640.000	86.700	641.000
GR	86.700	722.000	78.500	724.000	78.700	733.000	86.700	734.000	86.700	735.000
GR	86.700	833.000	86.000	1000.000	90.000	1100.000	92.000	1150.000	-0	-0

X1	6260.000	9.000	720.000	745.000	20.000	20.000	20.000	-0	-0	-0
GR	90.000	130.000	88.000	530.000	86.000	690.000	80.000	720.000	78.500	724.000
GR	78.700	735.000	80.000	745.000	80.000	770.000	90.000	810.000	-0	-0

X1	6275.000	-0	-0	-0	15.000	15.000	15.000	-0	-0	-0
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X1	6375.000	16.000	225.000	255.000	100.000	100.000	100.000	190.000	0	04.000	200.000
GR	92.000	0	90.000	20.000	86.000	120.000	86.000	243.000	0	78.700	250.000
GR	82.000	220.000	80.000	225.000	78.700	237.000	78.400	635.000	0	90.000	780.000
GR	80.000	255.000	86.000	295.000	86.000	355.000	86.000	0	0	0	0
GR	92.000	850.000	0	0	0	0	0	0	0	0	0
NC	.100	.060	.200	.200	.400	.400	.400	3450.000	0	0	0
OT	7.000	2000.000	2000.000	2000.000	2000.000	640.000	1560.000	0	0	0	0
X1	6715.000	10.000	544.000	585.000	365.000	365.000	365.000	544.000	0	80.100	551.000
GR	98.000	0	92.000	515.000	90.000	535.000	88.300	695.000	0	95.000	700.000
GR	80.300	550.000	80.800	567.000	86.000	585.000	86.000	0	0	0	0
X1	6720.000	0	0	0	5.000	5.000	5.000	0	0	0	0
X1	6730.000	11.000	548.000	567.000	10.000	10.000	10.000	552.000	0	80.500	563.000
GR	98.000	0	89.900	140.000	89.900	548.000	80.400	590.000	0	94.000	670.000
GR	80.600	568.000	89.900	569.000	89.900	585.000	90.000	0	0	0	0
GR	96.000	840.000	0	0	0	0	0	0	0	0	0
SB	0	1.010	2.600	300.200	20.000	0	154.000	0	0	0	0
ET	0	0	0	0	0	0	0	0	0	0	0
X1	6740.000	0	0	0	10.000	10.000	10.000	0	0	0	0
X2	0	0	1.000	88.900	89.900	0	0	0	0	0	0
BT	10.000	0	98.000	88.900	140.000	90.000	88.900	165.000	0	89.900	88.900
BT	340.000	89.900	88.900	400.000	89.900	88.900	532.000	89.900	0	88.900	585.000
BT	89.900	88.900	590.000	90.000	88.900	670.000	94.000	88.900	0	840.000	96.000
BT	0	0	0	0	0	0	0	0	0	0	0
X1	6745.000	10.000	544.000	568.000	5.000	5.000	5.000	544.000	0	80.100	551.000
GR	98.000	0	92.000	515.000	90.000	535.000	88.300	695.000	0	95.000	700.000
GR	80.300	550.000	80.800	567.000	86.000	585.000	86.000	0	0	0	0
ET	0	0	0	300.200	0	0	0	0	0	0	0
X1	6925.000	13.000	80.000	100.000	160.000	160.000	180.000	60.000	0	82.000	80.000
GR	96.000	0	94.000	35.000	92.000	45.000	90.000	105.000	0	90.000	120.000
GR	80.000	85.000	80.000	95.000	82.000	100.000	84.000	0	0	0	0
GR	92.000	240.000	94.000	260.000	96.000	300.000	90.000	0	0	0	0
NC	.100	.060	.200	.200	.400	.400	.400	0	0	0	0
X1	7090.000	6.000	431.000	479.000	165.000	165.000	165.000	435.000	0	81.300	447.000
X2	0	675.000	0	0	0	0	0	0	0	0	0
GR	98.000	0	97.200	400.000	94.100	431.000	82.000	0	0	0	0
GR	81.600	459.000	96.000	479.000	98.000	780.000	90.000	0	0	0	0
X1	7095.000	6.000	431.000	470.000	5.000	5.000	5.000	433.000	0	81.300	443.000
X2	0	575.000	0	0	0	0	0	0	0	0	0
GR	99.000	0	97.200	400.000	96.100	431.000	82.000	0	0	0	0
GR	81.600	456.000	94.900	470.000	98.000	800.000	90.000	0	0	0	0
X1	7105.000	6.000	431.000	470.000	10.000	10.000	10.000	433.000	0	82.100	443.000
X2	0	675.000	0	0	0	0	0	0	0	0	0
GR	99.000	0	97.200	400.000	96.100	431.000	82.100	0	0	0	0
GR	82.100	456.000	94.960	470.000	98.000	800.000	90.000	0	0	0	0
X1	7106.000	0	0	0	1.000	1.000	1.000	1.000	0	0	0

X1	7107.000	0	0	0	1.000	1.000	1.000	1.000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7109.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7111.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7116.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
X1	7124.000	14.000	695.000	726.000	8.000	8.000	8.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	98.000	500.000	97.700	647.000	97.700	660.000	97.700	695.000
GR	91.800	700.000	81.900	701.000	81.400	713.000	81.800	725.000	97.700	726.000
GR	97.700	729.000	97.700	741.000	97.700	743.000	98.500	1700.000	-0	-0
SB	1.000	1.000	2.600	0	52.000	2.000	454.000	0	0	0
ET	-0	-0	-0	100.200	-0	-0	-0	-0	-0	-0
X1	7126.000	11.000	695.000	729.000	1.000	1.000	1.000	0	0	-0
X2	0	675.000	1.000	91.000	97.700	-0	-0	-0	-0	-0
BY	0.000	0	100.000	91.000	500.000	98.000	91.000	647.000	97.700	91.000
BY	660.000	97.700	91.000	743.000	97.700	91.000	1700.000	98.500	91.000	-0
GR	100.000	0	98.000	500.000	97.700	647.000	97.700	695.000	91.800	700.000
GR	81.900	701.000	81.400	713.000	81.800	725.000	97.700	729.000	97.700	743.000
GR	98.500	1700.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	7131.000	0.000	50.000	100.000	5.000	5.000	5.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98.000	0	97.000	50.000	81.600	77.000	81.000	84.000	81.500	89.000
GR	96.500	100.000	98.200	150.000	98.500	300.000	-0	-0	-0	-0
X1	7136.000	0.000	50.000	119.000	5.000	5.000	5.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98.200	0	98.500	50.000	81.600	77.000	81.000	84.000	81.500	89.000
GR	96.000	119.000	98.200	150.000	98.000	200.000	-0	-0	-0	-0
X1	7575.000	16.000	290.000	330.000	439.000	439.000	439.000	0	0	-0
X2	0	675.000	0	0	0	-0	-0	-0	-0	-0
GR	98.000	0	96.000	20.000	94.000	95.000	92.000	165.000	90.000	200.000
GR	88.000	260.000	86.000	290.000	84.000	305.000	82.300	313.000	82.900	322.000
GR	83.200	327.000	86.000	330.000	88.000	335.000	90.000	350.000	96.000	365.000
GR	98.000	375.000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.120	.120	.060	.200	.400	-0	-0	-0	-0	-0
OT	7.000	1970.000	1970.000	1970.000	1970.000	830.000	1540.000	3410.000	-0	-0
X1	7925.000	11.000	195.000	223.000	350.000	350.000	350.000	0	0	-0
X2	0	670.000	0	0	0	-0	-0	-0	-0	-0
GR	100.000	0	96.000	170.000	90.000	190.000	87.600	195.000	83.600	201.000
GR	83.200	210.000	82.900	210.000	87.000	223.000	90.000	243.000	91.600	363.000
GR	100.000	1363.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	7930.000	11.000	195.000	233.000	5.000	5.000	5.000	0	0	0
X2	0	670.000	0	0	0	0	0	0	0	0
GR	100.000	0	96.300	170.000	93.300	190.000	92.100	195.000	83.600	201.000
GR	83.200	210.000	82.900	210.000	91.700	233.000	93.000	245.000	93.900	363.000
GR	100.000	1385.000	-0	-0	0	-0	0	-0	-0	-0

X1	7940.000	16.000	190.000	251.000	10.000	10.000	10.000	0	0	-0
X2	0	670.000	0	0	0	0	0	0	0	-0
GR	100.000	0	97.000	80.000	96.900	130.000	96.700	180.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	-0	0	0	-0	0	-0	0	-0
SB	1.050	1.010	2.600	0	61.000	3.000	640.000	0	0	0

SCL RR

X1	7975.000	16.000	190.000	251.000	20.000	20.000	20.000	0	0	-0
X2	0	670.000	1.000	94.900	96.400	0	0	0	0	-0
BT	7.000	0	100.000	94.900	80.000	97.000	94.900	130.000	96.900	94.900
BT	190.000	96.600	94.900	251.000	96.400	94.900	330.000	96.500	94.900	1400.000
BT	100.000	94.900	-0	0	0	0	0	0	0	-0
GR	100.000	0	97.000	80.000	96.900	130.000	96.700	180.000	96.600	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	1400.000	-0	0	0	-0	0	-0	0	-0

X1	7980.000	16.000	190.000	251.000	5.000	5.000	5.000	0	0	-0
X2	0	670.000	0	0	0	0	0	0	0	-0
GR	100.000	0	95.800	80.000	95.000	130.000	94.900	180.000	94.800	190.000
GR	90.400	191.000	87.400	206.000	84.000	224.000	83.000	229.000	83.800	234.000
GR	86.400	237.000	88.300	250.000	96.400	251.000	96.700	280.000	96.500	330.000
GR	100.000	970.000	-0	-0	0	-0	0	-0	0	-0

X1	7985.000	12.000	147.000	205.000	5.000	5.000	5.000	0	0	-0
X2	0	670.000	0	0	0	0	0	0	0	-0
GR	100.000	0	94.200	70.000	93.400	120.000	93.000	147.000	84.100	150.000
GR	83.100	166.000	83.800	175.000	90.800	205.000	96.700	220.000	96.000	270.000
GR	96.000	320.000	100.000	540.000	0	-0	0	-0	0	-0

X1	8175.000	15.000	305.000	375.000	400.000	400.000	400.000	0	0	-0
X2	0	670.000	0	0	0	0	0	0	0	-0
GR	100.000	0	98.000	105.000	94.000	285.000	94.000	290.000	88.000	305.000
GR	86.000	320.000	84.000	330.000	82.000	340.000	82.000	355.000	84.000	360.000
GR	90.000	375.000	92.000	400.000	96.000	410.000	98.000	425.000	100.000	510.000

X1	8575.000	20.000	245.000	290.000	400.000	400.000	400.000	0	0	-0
X2	0	670.000	0	0	0	0	0	0	0	-0
GR	100.000	0	98.000	15.000	96.000	65.000	94.000	90.000	94.000	175.000
GR	96.000	180.000	98.000	205.000	96.000	210.000	94.000	220.000	92.000	235.000
GR	90.000	245.000	85.100	252.000	84.400	260.000	85.000	269.000	86.000	275.000
GR	88.000	285.000	90.000	290.000	94.000	300.000	98.000	450.000	100.000	685.000
NC	.120	.120	.060	.200	.400	0	0	0	0	-0
QT	7.000	1950.000	1950.000	1950.000	1950.000	820.000	1520.000	3375.000	-0	-0

X1	8745.000	8.000	1000.000	1073.000	170.000	170.000	170.000	0	0	-0
X2	0	665.000	0	0	0	0	0	0	0	-0
GR	101.000	0	96.800	1000.000	85.100	1035.000	84.400	1043.000	85.000	1053.000
GR	90.000	1073.000	100.000	1573.000	104.000	1623.000	0	-0	-0	-0

X1	8750.000	8.000	1000.000	1073.000	5.000	5.000	5.000	0	0	-0
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GR	101,000	665,000	97,000	1000,000	85,100	1025,000	84,400	1043,000	85,000	1053,000
GR	96,000	1073,000	103,000	1573,000	107,000	1623,000	-0	-0	-0	-0
X1	8760,300	8,000	400,000	469,000	10,000	10,000	10,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	106,000	0	102,200	400,000	86,000	442,000	84,200	449,000	85,800	457,000
GR	98,000	469,000	98,700	490,000	101,000	1490,000	-0	-0	-0	-0
SB	1,050	1,010	2,600	0	82,000	4,000	928,000	0	0	0
X1	8785,000	8,000	400,000	469,000	10,000	10,000	10,000	0	0	-0
X2	0	665,000	1,000	100,600	102,200	0	0	0	0	0
BT	4,000	0	106,000	100,600	400,000	102,200	100,600	490,000	102,200	100,600
BT	1490,000	105,000	100,600	0	0	0	0	0	0	0
GR	106,000	0	102,200	400,000	86,000	442,000	84,200	449,000	85,800	457,000
GR	98,000	469,000	98,700	490,000	101,000	1490,000	-0	-0	-0	-0
X1	8790,000	9,000	400,000	469,000	5,000	5,000	5,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	104,000	0	96,600	400,000	86,000	442,000	84,200	449,000	85,800	457,000
GR	88,500	469,000	94,300	490,000	100,500	1100,000	102,000	1200,000	-0	-0
X1	8795,000	10,000	600,000	637,000	5,000	5,000	5,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	102,000	0	100,000	200,000	92,000	500,000	90,900	600,000	87,100	610,000
GR	86,400	617,000	86,800	625,000	92,700	637,000	100,000	837,000	102,000	1000,000
ET	-0	-0	-0	250,200	0	0	0	0	0	0
X1	8970,000	14,000	720,000	750,000	175,000	175,000	175,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	101,000	0	100,000	330,000	98,000	550,000	96,000	635,000	94,000	695,000
GR	92,000	720,000	88,000	730,000	87,100	732,000	86,400	739,000	86,800	747,000
GR	88,000	750,000	92,000	870,000	94,000	910,000	102,000	965,000	0	0
NC	.160	.160	.060	.200	.400	0	0	0	0	0
QT	7,000	1930,000	1930,000	1930,000	1930,000	810,000	1500,000	3350,000	-0	-0
X1	9205,000	14,000	409,000	457,000	235,000	235,000	235,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	102,000	0	100,000	140,000	94,000	300,000	93,400	350,000	93,300	400,000
GR	92,000	409,000	86,900	415,000	85,600	428,000	87,000	435,000	92,400	457,000
GR	94,400	500,000	94,800	530,000	100,000	800,000	102,000	1000,000	-0	-0
X1	9210,000	13,000	409,000	457,000	5,000	5,000	5,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	106,000	0	103,500	140,000	100,500	300,000	100,200	350,000	100,100	400,000
GR	99,100	409,000	86,900	415,000	85,600	428,000	87,000	435,000	92,400	457,000
GR	99,600	500,000	100,000	530,000	102,500	710,000	-0	-0	-0	-0
X1	9215,000	7,000	491,000	557,000	10,000	10,000	10,000	0	0	-0
X2	0	665,000	0	0	0	0	0	0	0	0
GR	110,000	0	108,000	110,000	106,300	491,000	86,900	514,000	85,500	529,000
GR	92,300	557,000	105,100	632,000	0	0	0	0	0	0
SB	1,050	1,010	2,600	0	137,100	13,000	1440,000	0	0	0
X1	9245,000	7,000	491,000	557,000	30,000	30,000	30,000	0	0	-0
X2	0	665,000	1,000	104,300	105,100	0	0	0	0	0
BT	4,000	0	110,000	104,300	110,000	108,000	104,300	491,000	106,300	104,300

GR	110.000	0	100.000	110.000	100.000	491.000	86.900	514.000	85.500	529.000
GR	92.300	957.000	105.100	632.000	0	0	0	0	0	0
X1	9250.000	8.000	491.000	557.000	5.000	5.000	5.000	0	0	-0
X2	0	669.000	0	0	0	0	0	0	0	0
GR	105.000	0	101.000	110.000	99.000	491.000	86.900	514.000	85.500	529.000
GR	92.300	957.000	100.200	632.000	104.000	900.000	0	0	0	0
X1	9255.000	15.000	371.000	400.000	5.000	5.000	5.000	0	0	-0
X2	0	669.000	0	0	0	0	0	0	0	0
GR	102.000	0	94.000	250.000	98.700	300.000	93.500	320.000	96.200	330.000
GR	90.200	355.000	92.000	371.000	80.200	300.000	80.000	393.000	88.100	398.000
GR	95.500	400.000	96.000	450.000	97.100	500.000	100.000	700.000	102.000	900.000
X1	9500.000	15.000	370.000	405.000	325.000	325.000	325.000	0	0	-0
X2	0	669.000	0	0	0	0	0	0	0	0
GR	102.000	0	100.000	80.000	98.000	105.000	96.000	205.000	94.000	360.000
GR	92.000	370.000	88.500	378.000	87.600	384.000	87.900	369.000	92.000	405.000
GR	94.000	490.000	96.000	540.000	98.000	590.000	100.000	600.000	102.000	805.000
NC	.190	.190	.070	.200	.400	0	0	0	0	0
QT	7.000	1910.000	1910.000	1910.000	1910.000	800.000	1490.000	3320.000	0	0
X1	9905.000	15.000	456.000	483.000	325.000	325.000	325.000	0	0	-0
X2	0	690.000	0	0	0	0	0	0	0	0
GR	104.000	0	100.000	200.000	98.000	300.000	97.000	360.000	96.800	390.000
GR	95.200	450.000	88.900	466.000	89.400	470.000	88.800	477.000	94.000	483.000
GR	94.200	492.000	95.700	542.000	95.000	592.000	100.000	992.000	104.000	1100.000
EJ	0	0	0	0	0	0	0	0	0	0

F/W
11/17/76 SUMMARY PRINTOUT

BLOUNTS CR WINSLOW TO D

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
9920.00	98.50	1910.00	88.80	99.06	.56	0
9920.00	99.50	1910.00	88.80	99.77	.27	1.00
9935.00	98.60	1910.00	90.70	99.26	.66	0
9935.00	99.46	1910.00	90.70	99.94	.49	.86
9955.00	98.94	1910.00	90.70	99.55	.61	0
9955.00	99.62	1910.00	90.70	100.18	.56	.69
9970.00	99.41	1910.00	90.70	99.73	.33	0
9970.00	100.14	1910.00	90.70	100.34	.20	.74
9985.00	99.70	1910.00	91.60	99.83	.13	0
9985.00	100.30	1910.00	91.60	100.40	.09	.60
10150.00	100.17	1910.00	91.60	100.22	.05	0
10150.00	100.67	1910.00	91.60	100.77	.10	.50
10155.00	100.17	1910.00	91.60	100.23	.05	0
10155.00	100.68	1910.00	91.60	100.78	.10	.51
10160.00	100.18	1910.00	91.60	100.23	.05	0
10160.00	100.69	1910.00	91.60	100.79	.10	.51
10162.00	100.18	1910.00	91.60	100.24	.05	0
10162.00	100.69	1910.00	91.60	100.80	.11	.50
• 10165.00	98.50	1910.00	91.60	101.39	2.89	0
10165.00	99.54	1910.00	91.60	101.59	2.05	1.04
• 10175.00	99.25	1910.00	89.50	101.92	2.67	0
10175.00	99.63	1910.00	89.50	101.94	2.30	.38
• 10200.00	99.71	1910.00	89.50	101.95	2.23	0
10200.00	99.71	1910.00	89.50	101.95	2.24	-.01
10200.00	101.41	1910.00	92.30	102.23	.82	0
10200.00	101.41	1910.00	92.30	102.23	.82	.00
10215.00	102.39	1910.00	91.60	102.40	.01	0
10215.00	102.37	1910.00	91.60	102.41	.04	-.03
10520.00	102.45	1910.00	91.10	102.51	.05	0
10520.00	102.56	1910.00	91.10	102.65	.09	.10
11175.00	102.68	1910.00	93.70	102.68	.01	0
11175.00	103.20	1910.00	93.70	103.25	.05	.52
11775.00	102.78	1910.00	94.70	102.79	.01	0
11775.00	103.74	1910.00	94.70	103.80	.06	.96

SUMMARY PRINTOUT

BLOUNTS CR WINSLOW TO B

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
9920.00	0	300.00	456.00	483.00	666.42	366.42
9920.00	1.00	369.50	456.00	483.00	569.50	200.00
9935.00	0	441.96	439.00	492.00	490.88	48.93
9935.00	.86	365.50	439.00	492.00	565.50	122.13
9955.00	0	441.24	439.00	492.00	622.42	136.34
9955.00	.69	365.50	439.00	492.00	565.50	145.73
9970.00	0	184.48	439.00	492.00	598.73	371.91
9970.00	.74	262.00	439.00	492.00	491.96	229.96
9985.00	0	172.28	514.00	554.00	552.47	380.19
9985.00	.60	294.00	514.00	554.00	553.39	259.39
10150.00	0	143.74	664.00	694.00	693.77	550.02
10150.00	.50	444.00	664.00	694.00	693.99	249.99
10155.00	0	143.30	664.00	694.00	693.77	550.47
10155.00	.51	444.00	664.00	694.00	693.99	249.99
10160.00	0	143.05	664.00	694.00	693.77	550.72
10160.00	.51	444.00	664.00	694.00	694.00	250.00
10162.00	0	142.95	664.00	694.00	693.77	550.82
10162.00	.50	464.00	664.00	694.00	694.00	230.00
10165.00	0	667.57	664.00	694.00	692.06	24.49
10165.00	1.04	666.72	664.00	694.00	692.37	25.65
10175.00	0	448.07	440.00	485.00	485.00	28.86
10175.00	.38	447.53	440.00	485.00	485.00	29.95
10200.00	0	447.41	440.00	485.00	485.00	30.18
10200.00	.01	447.42	440.00	485.00	485.00	30.16
10200.00	0	401.19	400.00	448.00	444.28	43.10
10200.00	.00	401.19	400.00	448.00	444.28	43.10
10215.00	0	190.19	411.00	436.00	989.47	799.28
10215.00	-.03	323.50	411.00	436.00	523.50	200.00
10520.00	0	262.98	454.00	483.00	740.20	477.23
10520.00	.10	368.50	454.00	483.00	568.50	200.00
11175.00	0	37.85	581.00	610.00	1168.63	741.32
11175.00	.52	410.00	581.00	610.00	610.00	200.00
11775.00	0	42.65	581.00	610.00	699.00	656.36
11775.00	.96	410.00	581.00	610.00	610.00	200.00

FLOODWAY DATA, BLOUNTS CR WINSLOW TO B
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
9920.000	200.	632.	3.0	99.5	98.5	1.0
9935.000	122.	365.	5.2	99.5	98.6	.9
9955.000	146.	351.	5.4	99.6	98.9	.7
9970.000	230.	715.	2.7	100.1	99.4	.7
9985.000	259.	958.	2.0	100.3	99.7	.6
10150.000	250.	989.	1.9	100.7	100.2	.5
10155.000	250.	992.	1.9	100.7	100.2	.5
10160.000	250.	994.	1.9	100.7	100.2	.5
10162.000	230.	931.	2.1	100.7	100.2	.5
10165.000	26.	166.	11.5	99.5	98.5	1.0
10175.000	30.	157.	12.2	99.6	99.3	.4
10200.000	30.	159.	12.0	99.7	99.7	.0
10200.000	43.	263.	7.3	101.4	101.4	.0
10215.000	200.	1381.	1.4	102.4	102.4	.0
10520.000	200.	1063.	1.8	102.6	102.5	.1
11175.000	200.	1232.	1.6	103.2	102.7	.5
11775.000	200.	1139.	1.7	103.7	102.8	1.0

POSSIBLE ERROR SECNO# 10165.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 10175.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

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. STATISTICS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CHANNEL AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SHOULD BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

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

THE PURPOSE OF ERROR CORRECTION 10 IS TO

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

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

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

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 100 YR NATURAL
 T3 BLOUNTS CR WINSLOW TO BRANSONS

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0	-0	-0	-0	-0	-0	98,500	-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	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	200,000	0	0	0
NC	.100	.100	.070	.200	.400	0	0	0	0	0
ET	0	0	200,200	0	0	0	0	0	0	0
QT	7,000	1910,000	1910,000	1910,000	1910,000	800,000	1490,000	3320,000	0	0
X1	9920,000	15,000	456,000	483,000	15,000	15,000	15,000	0	0	0
GR	104,000	0	100,000	155,000	98,500	300,000	98,100	360,000	97,200	390,000
GR	97,500	456,000	88,900	466,000	89,400	470,000	88,800	477,000	97,000	483,000
GR	96,900	492,000	96,500	542,000	97,700	592,000	102,000	992,000	104,000	1050,000
X1	9935,000	12,000	439,000	492,000	15,000	15,000	15,000	0	0	0
GR	104,000	0	100,000	110,000	99,100	350,000	100,000	439,000	91,000	458,000
GR	90,700	468,000	90,800	479,000	91,200	485,000	100,000	492,000	98,600	550,000
GR	100,000	850,000	104,000	1000,000	0	0	0	0	0	0
SB	0	1,040	2,600	0	37,000	0	276,000	0	0	0
X1	9955,000	12,000	439,000	492,000	20,000	20,000	20,000	0	0	0
X2	0	0	1,000	98,800	98,700	0	0	0	0	0
BT	8,000	0	104,000	98,800	110,000	100,000	98,800	350,000	99,100	98,800
BT	439,000	100,000	98,800	492,000	100,000	98,800	550,000	98,800	98,700	850,000
BT	100,000	98,800	1000,000	104,000	98,800	0	0	0	0	0
GR	104,000	0	100,000	110,000	99,100	350,000	100,000	439,000	91,000	458,000
GR	90,700	468,000	90,800	479,000	91,200	485,000	100,000	492,000	98,600	550,000
GR	100,000	850,000	104,000	1000,000	0	0	0	0	0	0
ET	0	0	4,100	262,000	492,000	0	0	0	0	0
X1	9970,000	12,000	439,000	492,000	15,000	15,000	15,000	0	0	0
GR	104,000	0	100,000	115,000	98,000	350,000	98,400	439,000	91,000	458,000
GR	90,700	468,000	90,800	479,000	91,200	485,000	100,200	492,000	99,100	550,000
GR	101,000	850,000	104,000	1000,000	0	0	0	0	0	0
ET	0	0	4,100	294,000	554,000	0	0	0	0	0
X1	9985,000	14,000	514,000	554,000	15,000	15,000	15,000	0	0	0
GR	104,000	0	100,000	150,000	98,000	300,000	96,700	400,000	97,200	450,000
GR	96,500	500,000	96,900	514,000	91,800	523,000	91,800	532,000	91,600	540,000
GR	100,700	554,000	101,500	600,000	101,500	650,000	104,000	900,000	0	0
NC	.100	.100	.060	.200	.400	0	0	0	0	0
ET	0	0	4,100	444,000	694,000	0	0	0	0	0
X1	10150,000	12,000	664,000	694,000	200,000	130,000	165,000	0	0	0
GR	104,000	0	100,000	150,000	98,000	220,000	97,200	600,000	96,500	650,000
GR	96,900	664,000	91,800	673,000	91,800	682,000	91,600	690,000	100,700	694,000
GR	101,500	750,000	104,000	1000,000	0	0	0	0	0	0

X1	10155.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
ET	-0	-0	4.100	444.000	694.000	-0	-0	-0	-0	-0
X1	10160.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
ET	-0	-0	4.100	464.000	694.000	-0	-0	-0	-0	-0
X1	10162.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
ET	-0	-0	200.200	-0	-0	-0	-0	-0	-0	-0
X1	10165.000	12.000	664.000	694.000	3.000	3.000	3.000	0	0	-0
GR	108.000	0	105.000	150.000	104.500	220.000	104.000	600.000	103.400	650.000
GR	102.900	664.000	91.800	673.000	91.800	682.000	91.600	690.000	105.000	694.000
GR	105.300	750.000	106.500	1000.000	0	-0	-0	-0	-0	-0
X1	10175.000	12.000	440.000	485.000	8.000	8.000	8.000	-0	-0	-0
X3	10.000	-0	-0	0	0	-0	0	110.000	110.000	-0
GR	104.000	0	100.000	110.000	99.100	350.000	100.000	440.000	100.000	447.000
GR	89.500	462.000	89.500	463.000	100.000	478.000	100.000	485.000	98.600	550.000
GR	100.000	850.000	104.000	1000.000	0	-0	-0	-0	-0	-0
SB	1.000	1.300	2.500	1000.000	1.000	.100	310.000	71.500	89.500	89.500
X1	10200.000	-0	-0	-0	25.000	25.000	25.000	-0	-0	-0
X2	-0	-0	1.000	104.000	110.000	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	0	-0	-0	110.000	110.000	-0
X1	10200.000	8.000	400.000	448.000	0	0	0	0	0	-0
GR	109.000	0	102.300	400.000	94.000	411.000	92.700	416.000	92.300	423.000
GR	93.200	431.000	103.700	448.000	109.000	1000.000	0	-0	-0	-0
X1	10215.000	18.000	411.000	436.000	15.000	15.000	15.000	0	0	-0
GR	110.000	0	106.000	100.000	100.000	250.000	98.000	260.000	95.600	300.000
GR	95.400	350.000	91.600	400.000	94.900	411.000	92.700	416.000	92.700	417.000
GR	92.200	423.000	93.300	431.000	97.800	436.000	97.200	500.000	98.000	650.000
GR	100.000	825.000	104.000	1100.000	110.000	1140.000	0	-0	-0	-0
X1	10520.000	11.000	454.000	483.000	305.000	305.000	305.000	-0	-0	-0
GR	112.000	0	99.300	350.000	97.900	454.000	97.000	456.000	91.100	462.000
GR	91.100	479.000	95.000	481.000	99.500	483.000	96.100	485.000	98.400	550.000
GR	108.000	1000.000	-0	0	0	-0	-0	-0	-0	-0
NC	.100	.100	.060	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	4.100	410.000	610.000	-0	-0	-0	-0	-0
X1	11175.000	18.000	581.000	610.000	655.000	655.000	655.000	0	0	-0
GR	113.000	0	103.400	34.000	100.400	50.000	97.500	150.000	96.400	250.000
GR	96.300	350.000	97.100	450.000	98.000	550.000	97.500	581.000	94.800	585.000
GR	93.700	590.000	93.700	596.000	96.000	610.000	98.300	650.000	105.400	750.000
GR	102.300	1150.000	108.400	1450.000	111.400	1550.000	-0	-0	-0	-0
ET	-0	-0	4.100	410.000	610.000	-0	-0	-0	-0	-0
X1	11775.000	0	0	0	600.000	600.000	600.000	1.000	1.000	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

2025 RELEASE UNDER E.O. 14176

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 FLOODWAYS WITH CHANGES
 T3 BLOUNTS CR WINSLOW TO BRANSONS

J1	YCHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	-0	-0	-0	-0	-0	-0	99,500	-0
J2	NPROF	IPLDT	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 9920.000

SECNO	DEPTH	CHSEL	CR1WS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	UROB	ALOR	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=	369.5	569.5	TYPE=	2	TARGET=	200.000
9920.00	10.70	99.50	0	98.50	99.77	.27
1910.	307.	1119.	484.	179.	216.	236.
0	1.71	5.17	2.05	.100	.070	.100
.005129	15.	15.	15.	0	0	1
						0
						88.80
						200.00
						97.60
						97.00
						369.50
						569.50

FLOW DISTRIBUTION

STA=	369.	390.	456.	483.	492.	542.	569.
PER Q=	3.4	12.7	58.6	2.4	15.5	7.5	
AREA=	40.8	138.6	216.3	22.9	140.0	73.4	
VEL=	1.6	1.7	5.2	2.0	2.1	1.9	

*SECNO 9935.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=	365.5	565.5	TYPE=	2	TARGET=	200.000
9935.00	8.76	99.46	0	98.60	99.94	.49
1910.	1.	1886.	24.	2.	335.	28.
.00	.26	5.63	.84	.100	.070	.100
.006669	15.	15.	15.	2	0	1
						0
						.09
						.09
						100.00
						100.00
						90.70
						365.50
						122.13
						565.50

FLOW DISTRIBUTION

STA=	365.	385.	492.	550.	565.
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11/5/16
 SUMMARY PRINTOUT

BLOUNTS CR WINSLOW TO B

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
9920.00	96.10	800.00	88.80	96.73	.63	137.99	0	24.62	457.72	482.34	6.3
9920.00	97.70	1490.00	88.80	98.56	.86	167.26	1.60	218.67	373.33	592.00	7.8
9920.00	98.50	1910.00	88.80	99.06	.56	114.40	.80	366.42	300.00	666.42	7.0
9920.00	100.60	3320.00	88.80	100.73	.13	32.96	2.10	730.02	131.75	861.77	4.5
9935.00	96.68	800.00	90.70	96.92	.24	48.90	0	43.35	446.01	489.36	3.9
9935.00	98.36	1490.00	90.70	98.80	.44	68.32	1.68	48.25	442.45	490.70	5.3
9935.00	98.60	1910.00	90.70	99.26	.66	100.45	.24	48.93	441.96	490.88	6.5
9935.00	100.50	3320.00	90.70	100.91	.41	66.03	1.90	772.60	96.21	866.81	6.0
9955.00	96.78	800.00	90.70	97.01	.23	45.90	0	43.66	445.79	489.44	3.8
9955.00	98.52	1490.00	90.70	98.93	.41	63.44	1.73	48.70	442.13	490.82	5.1
9955.00	98.94	1910.00	90.70	99.55	.61	196.67	.42	136.34	441.24	622.42	6.2
9955.00	101.01	3320.00	90.70	101.12	.11	88.44	2.07	805.24	82.40	887.64	3.6
9970.00	96.88	800.00	90.70	97.08	.21	41.21	0	46.51	442.91	489.42	3.6
9970.00	98.71	1490.00	90.70	99.04	.33	49.92	1.83	224.36	266.48	490.84	4.6
9970.00	99.41	1910.00	90.70	99.73	.33	48.05	.70	371.91	184.48	598.73	4.8
9970.00	101.04	3320.00	90.70	101.23	.19	30.91	1.63	766.61	85.20	851.82	4.4
9985.00	96.74	800.00	91.60	97.36	.62	167.46	0	66.78	396.78	547.91	6.3
9985.00	98.97	1490.00	91.60	99.14	.17	44.44	2.23	324.28	227.06	551.34	4.1
9985.00	99.70	1910.00	91.60	99.83	.13	33.99	.73	380.19	172.28	552.47	3.8
9985.00	101.17	3320.00	91.60	101.29	.11	27.41	1.47	475.14	106.03	581.17	3.9
10150.00	98.27	800.00	91.60	98.41	.14	27.73	0	482.37	210.56	692.93	3.5
10150.00	99.55	1490.00	91.60	99.61	.06	15.84	1.28	527.71	165.79	693.49	3.0
10150.00	100.17	1910.00	91.60	100.22	.05	13.24	.62	550.02	143.74	693.77	2.9
10150.00	101.57	3320.00	91.60	101.62	.05	11.62	1.40	666.06	91.07	757.14	3.0
10155.00	98.29	800.00	91.60	98.42	.13	26.77	0	483.14	209.80	692.94	3.5
10155.00	99.56	1490.00	91.60	99.62	.06	15.56	1.27	528.24	165.26	693.50	3.0
10155.00	100.17	1910.00	91.60	100.23	.05	13.08	.62	550.47	143.30	693.77	2.8
10155.00	101.58	3320.00	91.60	101.63	.05	11.53	1.40	667.41	90.71	758.11	3.0
10160.00	98.31	800.00	91.60	98.44	.13	26.19	0	483.62	209.33	692.95	3.4
10160.00	99.57	1490.00	91.60	99.63	.06	15.42	1.26	528.52	164.98	693.50	2.9
10160.00	100.18	1910.00	91.60	100.23	.05	12.99	.61	550.72	143.05	693.77	2.8
10160.00	101.58	3320.00	91.60	101.63	.05	11.48	1.40	668.20	90.49	758.69	3.0
10162.00	98.32	800.00	91.60	98.44	.13	25.97	0	483.81	209.14	692.95	3.4
10162.00	99.57	1490.00	91.60	99.63	.06	15.36	1.26	528.63	164.88	693.51	2.9
10162.00	100.18	1910.00	91.60	100.24	.05	12.96	.61	550.82	142.95	693.77	2.8
10162.00	101.59	3320.00	91.60	101.64	.05	11.46	1.40	668.52	90.40	758.92	3.0
10165.00	98.05	800.00	91.60	98.64	.60	96.64	0	23.99	667.93	691.93	6.2
10165.00	98.60	1490.00	91.60	100.30	1.70	253.79	.55	24.61	667.48	692.09	10.4
10165.00	98.50	1910.00	91.60	101.39	2.89	439.62	-.11	24.49	667.57	692.06	13.6
10165.00	101.23	3320.00	91.60	105.07	3.84	427.46	2.74	27.52	665.35	692.88	15.7
10175.00	98.03	800.00	89.50	98.81	.79	146.50	0	25.37	449.82	475.18	7.1
10175.00	98.58	1490.00	89.50	100.72	2.14	368.83	.55	26.94	449.03	475.97	11.7
10175.00	99.25	1910.00	89.50	101.92	2.67	419.38	.68	28.86	448.07	485.00	13.1
10175.00	104.49	3320.00	89.50	105.74	1.25	97.88	5.24	45.00	440.00	485.00	8.9

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SECNO	CMSL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH	
10425	10200.00	98.04	800.00	89.50	98.82	.78	145.19	0	25.41	449.80	475.20	7.0
	10200.00	98.74	1490.00	89.50	100.74	2.00	336.95	.70	27.40	448.80	485.00	11.3
	10200.00	99.71	1910.00	89.50	101.95	2.23	330.27	.98	30.18	447.41	485.00	11.9
	10200.00	105.89	3320.00	89.50	106.80	.91	59.30	6.18	45.00	440.00	485.00	7.6
	10200.00	98.44	800.00	92.30	98.89	.45	76.54	0	34.39	405.11	439.49	5.4
11425	10200.00	100.24	1490.00	92.30	100.99	.75	95.30	1.81	39.66	402.73	442.39	6.9
	10200.00	101.41	1910.00	92.30	102.23	.82	89.72	1.17	43.10	401.19	444.28	7.2
	10200.00	106.71	3320.00	92.30	106.94	.23	16.96	5.30	624.07	136.97	761.04	4.5
	10215.00	98.98	800.00	91.60	98.99	.01	4.04	0	480.55	255.11	735.66	1.4
10440	10215.00	101.14	1490.00	91.60	101.15	.01	2.15	2.16	681.98	221.47	903.46	1.3
	10215.00	102.39	1910.00	91.60	102.40	.01	1.51	1.25	799.28	190.19	989.47	1.2
	10215.00	106.98	3320.00	91.60	106.99	.00	.46	4.59	1044.51	75.39	1119.90	.9
	10520.00	99.14	800.00	91.10	99.29	.15	21.51	0	222.42	361.89	584.69	3.4
	10520.00	101.23	1490.00	91.10	101.31	.08	11.65	2.09	386.28	296.65	682.93	3.0
	10520.00	102.45	1910.00	91.10	102.51	.05	7.62	1.23	477.23	262.98	740.20	2.6
10770	10520.00	107.00	3320.00	91.10	107.02	.01	1.81	4.55	815.54	137.72	953.26	1.6
	11175.00	99.69	800.00	93.70	99.69	.01	2.64	0	594.70	74.77	669.46	1.1
	11175.00	101.55	1490.00	93.70	101.55	.01	1.68	1.86	651.81	43.89	695.70	1.1
	11175.00	102.68	1910.00	93.70	102.68	.01	1.30	1.13	741.32	37.85	1168.63	1.1
11454	11175.00	107.07	3320.00	93.70	107.07	.00	.42	4.39	1363.68	21.00	1384.67	.8
	11775.00	99.92	800.00	94.70	99.94	.02	7.00	0	557.77	100.99	658.75	1.6
	11775.00	101.68	1490.00	94.70	101.69	.01	3.38	1.76	635.03	48.50	683.53	1.4
	11775.00	102.78	1910.00	94.70	102.79	.01	2.33	1.10	656.36	42.65	699.00	1.3
12060	11775.00	107.10	3320.00	94.70	107.10	.00	.66	4.32	1312.27	24.45	1336.72	.9

FLOOD INSURANCE ZONE DATA FOR BLOUNTS CR WINSLOW TO B

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0,2'
9920.000	0	-2.4	-.8	2.1
9935.000	15.	-1.9	-.2	1.9
9955.000	35.	-2.2	-.4	2.1
9970.000	50.	-2.5	-.7	1.6
9985.000	65.	-3.0	-.7	1.5
10150.000	230.	-1.9	-.6	1.4
10155.000	235.	-1.9	-.6	1.4
10160.000	240.	-1.9	-.6	1.4
10162.000	242.	-1.9	-.6	1.4
10165.000	245.	-.4	-.1	2.7
10175.000	253.	-1.2	-.7	5.2
10200.000	278.	-1.7	-1.0	6.2
10200.000	279.	-3.0	-1.2	5.3
10215.000	294.	-3.4	-1.3	4.6
10520.000	599.	-3.3	-1.2	4.5
11175.000	1254.	-3.0	-1.1	4.4
11775.000	1854.	-2.9	-1.1	4.3
WEIGHTED AVG FOR REACH		-3.0	-1.1	4.1

FHF FOR THE REACH = 0.30 WITH 97.4% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A.6

- POSSIBLE ERROR SECNO= 10165.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 10165.00 PROFILE= 4 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 10165.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 10175.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

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. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

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

THE PURPOSE OF ERROR CORRECTION 10 IS TO

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

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

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

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 10 YR NATURAL
 T3 RLOUNTS CR WINSLOW TO BRANSONS

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-1.	6.	-0	-0	-0	-0	-0	-0	96,100	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	18W	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	0
J3	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0	201.000	0	0	0	0	0	0
NC	.100	.100	.070	.200	.400	0	0	0	0	0
ET	-0	-0	100.200	-0	-0	-0	-0	-0	-0	-0
QT	7.000	1910.000	1910.000	1910.000	1910.000	800.000	1490.000	3320.000	-0	-0
X1	9920.000	15.000	456.000	483.000	15.000	15.000	15.000	0	0	-0
GR	104.000	0	100.000	155.000	98.500	300.000	98.100	360.000	97.200	390.000
GR	97.600	456.000	88.900	466.000	89.400	470.000	88.800	477.000	97.000	483.000
GR	96.900	492.000	96.500	542.000	97.700	592.000	102.000	992.000	104.000	1050.000
X1	9935.000	12.000	439.000	492.000	15.000	15.000	15.000	-0	-0	-0
GR	104.000	0	100.000	110.000	99.100	350.000	100.000	439.000	91.000	458.000
GR	90.700	468.000	90.800	479.000	91.200	485.000	100.000	492.000	98.600	550.000
GR	100.000	850.000	104.000	1000.000	0	-0	-0	-0	-0	-0
SB	-0	1.040	2.600	-0	37.000	-0	276.000	-0	-0	-0
X1	9955.000	12.000	439.000	492.000	20.000	20.000	20.000	-0	-0	-0
X2	-0	-0	1.000	98.800	98.700	-0	-0	-0	-0	-0
BT	8.000	0	104.000	98.800	110.000	100.000	98.800	350.000	99.100	98.800
BT	439.000	100.000	98.800	492.000	100.000	98.800	550.000	98.800	98.700	850.000
BT	100.000	98.800	1000.000	104.000	98.800	-0	-0	-0	-0	-0
GR	104.000	0	100.000	110.000	99.100	350.000	100.000	439.000	91.000	458.000
GR	90.700	468.000	90.800	479.000	91.200	485.000	100.000	492.000	98.600	550.000
GR	100.000	850.000	104.000	1000.000	-0	-0	-0	-0	-0	-0
X1	9970.000	12.000	439.000	492.000	15.000	15.000	15.000	-0	-0	-0
GR	104.000	0	100.000	115.000	98.000	350.000	98.400	439.000	91.000	458.000
GR	90.700	468.000	90.800	479.000	91.200	485.000	100.200	492.000	99.100	550.000
GR	101.000	850.000	104.000	1000.000	0	-0	-0	-0	-0	-0
X1	9985.000	14.000	514.000	554.000	15.000	15.000	15.000	-0	-0	-0
GR	104.000	0	100.000	150.000	98.000	300.000	96.700	400.000	97.200	450.000
GR	96.500	500.000	96.900	514.000	91.800	523.000	91.800	532.000	91.600	540.000
GR	100.700	554.000	101.500	600.000	101.500	650.000	104.000	900.000	-0	-0
NC	.100	.100	.060	.200	.400	-0	-0	-0	-0	-0
X1	10150.000	12.000	664.000	694.000	200.000	130.000	165.000	0	0	-0
GR	104.000	0	100.000	150.000	98.000	220.000	97.200	600.000	96.500	650.000
GR	96.900	664.000	91.800	673.000	91.800	682.000	91.600	690.000	100.700	694.000
GR	101.500	750.000	104.000	1000.000	0	-0	-0	-0	-0	-0
X1	10155.000	0	0	0	5.000	5.000	5.000	1.000	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 FIS
 T2 50 YR NATURAL
 T3 BLOUNTS CR WINSLOW TO BRANSONS

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FD
	-10.	7.	-0	-0	-0	-0	-0	-0	97.700	0
J2	NPROF	IPLT	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 9920.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
9920.00	8.90	97.70	97.50	97.70	98.56	.86	0	0	97.60
1490.	20.	1322.	148.	24.	168.	87.	0	0	97.00
0	.84	7.88	1.70	.100	.070	.100	0	88.80	373.33
.016726	15.	15.	15.	0	4	1	0	218.67	592.00

*SECNO 9935.000

9935.00	7.66	98.36	0	0	98.80	.44	.15	.08	100.00
1490.	0	1490.	0	0	281.	0	0.	0.	100.00
.00	0	5.31	0	.100	.070	.100	.066	90.70	442.45
.006832	15.	15.	15.	2	0	1	0	48.25	490.70

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	-0	1.04	2.60	0	37.00	0	276.00	0	90.70	90.70

*SECNO 9955.000

6070, LOW FLOW BY NORMAL BRIDGE

EGPRS= 0 EGLWC= 98.799 ELLC= 98.800 PCWSE= 98.361 ELTRD= 98.700

NORMAL BRIDGE, NRD= 8 MIN ELTRD= 98.70 MAX ELLC= 98.80

9955.00	7.82	98.52	0	0	98.93	.41	.13	.00	100.00
1490.	0	1490.	0	0	288.	0	0.	0.	100.00

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 100 YR NATURAL
 T3 RLOUNTS CR WINSLOW TO BRANSONS

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	2.	-0	-0	-0	-0	-0	-0	98.500	-0
J2	NPROF	IPL0T	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 9920.000

SECNO	DEPTH	CHSEL	CRIBS	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
9920.00	9.70	98.50	0	98.50	99.06	.56	0	0	97.60
1910.	166.	1338.	406.	110.	189.	204.	0	0	97.00
0	1.51	7.07	1.99	.100	.070	.100	0	88.80	300.00
.011440	15.	15.	15.	0	0	1	0	366.42	666.42

*SECNO 9935.000

9935.00	7.90	98.60	0	0	99.26	.66	.16	.04	100.00
1910.	0	1910.	0	0	292.	0	0.	0.	100.00
.00	0	6.54	0	.100	.070	.100	.066	90.70	441.96
.010045	15.	15.	15.	2	0	1	0	48.93	490.88

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	RWC	HWP	BAREA	SS	ELCHU	ELCHD
-0		1.04	2.60	-0	37.00	-0	276.00	-0	90.70	90.70

*SECNO 9955.000

6070, LOW FLOW BY NORMAL BRIDGE

EGPRS* 99.371 EGLWC* 99.262 ELLC= 98.800 PCWSE= 98.598 ELTRD= 98.700

3265 DIVIDED FLOW

NORMAL BRIDGE, NRD= 0 MIN ELTRD= 98.70 MAX ELLC= 98.80

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

T1 FPMS BR FAYETTEVILLE FIS
 T2 500 YR NATURAL
 T3 BLOUNTS CR WINSLOW TO BRANSONS

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	8.	-0	-0	-0	-0	-0	-0	100.600	-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 CEHV= .400

*SECNO 9920.000

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

9920.00	11.80	100.60	0	100.60	100.73	.13	0	0	97.60
3320.	958.	1111.	1250.	640.	246.	794.	0	0	97.00
0	1.50	4.52	1.57	.100	.070	.100	0	88.80	131.75
.003296	15.	15.	15.	0	0	1	0	730.02	861.77

*SECNO 9935.000

9935.00	9.80	100.50	0	0	100.91	.41	.07	.11	100.00
3320.	367.	2363.	589.	317.	390.	435.	0.	0.	100.00
.00	1.16	6.06	1.36	.100	.070	.100	.066	90.70	96.21
.006603	15.	15.	15.	2	0	1	0	772.60	868.81

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB_XK	XKOR	COFO	RULEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
-0	1.04	2.60	-0	37.00	-0	276.00	-0	90.70	90.70

*SECNO 9955.000

6070, LOW FLOW BY NORMAL BRIDGE

EUPRS= 102.835 EGLWC= 100.912 ELLC= 98.800 PCWSE= 100.498 ELTRD= 98.700

NORMAL BRIDGE, NRD= 8 MIN ELTRD= 98.70 MAX ELLC= 98.80

9955.00	10.31	101.01	0	0	101.12	.11	.15	.06	100.00
3320.	870.	1348.	1102.	492.	362.	611.	1.	1.	100.00

Natural
11/17/76

SUMMARY PRINTOUT

BLOUNTS CR BRANSONS TO

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
11775.00	99.90	800.00	93.70	99.91	.01	0
11775.00	101.70	1490.00	93.70	101.71	.01	1.80
11775.00	102.80	1910.00	93.70	102.81	.01	1.10
11775.00	107.10	3320.00	93.70	107.10	.00	4.30
11800.00	99.91	600.00	94.30	99.91	.00	0
11800.00	101.70	1160.00	94.30	101.71	.01	1.80
11800.00	102.80	1500.00	94.30	102.81	.01	1.10
11800.00	107.10	2660.00	94.30	107.11	.01	4.30
12050.00	99.97	600.00	95.00	99.97	.01	0
12050.00	101.75	1160.00	95.00	101.76	.01	1.79
12050.00	102.84	1500.00	95.00	102.85	.00	1.09
12050.00	107.12	2660.00	95.00	107.12	.00	4.28
12100.00	99.99	600.00	94.60	99.99	.00	0
12100.00	101.76	1160.00	94.60	101.77	.00	1.78
12100.00	102.85	1500.00	94.60	102.85	.00	1.09
12100.00	107.12	2660.00	94.60	107.13	.00	4.27
12120.00	99.99	600.00	94.60	99.99	.00	0
12120.00	109.72	1160.00	94.60	109.72	.00	9.73
12120.00	109.99	1500.00	94.60	109.99	.00	.27
12120.00	110.72	2660.00	94.60	110.72	.00	.73
12200.00	100.01	600.00	95.50	100.01	.00	0
12200.00	109.72	1160.00	95.50	109.72	.00	9.71
12200.00	109.99	1500.00	95.50	109.99	.00	.27
12200.00	110.72	2660.00	95.50	110.72	.00	.73
12450.00	100.12	600.00	96.50	100.17	.04	0
12450.00	109.72	1160.00	96.50	109.72	.00	9.59
12450.00	109.99	1500.00	96.50	109.99	.00	.27
12450.00	110.72	2660.00	96.50	110.73	.00	.73
12700.00	101.03	600.00	96.10	101.42	.39	0
12700.00	109.72	1160.00	96.10	109.73	.00	8.69
12700.00	110.00	1500.00	96.10	110.00	.01	.28
12700.00	110.74	2660.00	96.10	110.75	.02	.74
12730.00	101.47	600.00	97.30	102.05	.58	0
12730.00	109.73	1160.00	97.30	109.73	.00	8.25
12730.00	110.00	1500.00	97.30	110.01	.01	.28
12730.00	110.75	2660.00	97.30	110.76	.01	.75
12790.00	101.48	600.00	97.30	102.05	.57	0
12790.00	111.68	1160.00	97.30	111.69	.00	10.21
12790.00	112.00	1500.00	97.30	112.00	.00	.32
12790.00	112.74	2660.00	97.30	112.75	.01	.74
12820.00	102.29	600.00	96.90	102.43	.15	0
12820.00	111.68	1160.00	96.90	111.69	.00	9.39
12820.00	112.00	1500.00	96.90	112.01	.01	.32
12820.00	112.74	2660.00	96.90	112.76	.02	.74

FORMING ACTION FOR 10/10/1976

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SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
14270.00	107.78	600.00	103.10	107.83	.05	0
14270.00	111.85	1160.00	103.10	111.86	.01	4.07
14270.00	112.24	1500.00	103.10	112.25	.01	.39
14270.00	113.25	2660.00	103.10	113.27	.02	1.01
15000.00	110.43	600.00	106.10	110.51	.08	0
15000.00	112.23	1160.00	106.10	112.28	.05	1.81
15000.00	112.72	1500.00	106.10	112.77	.05	.48
15000.00	113.98	2660.00	106.10	114.06	.07	1.27
16000.00	114.61	600.00	110.10	114.67	.06	0
16000.00	115.34	1160.00	110.10	115.45	.11	.74
16000.00	115.87	1500.00	110.10	115.98	.11	.52
16000.00	117.19	2660.00	110.10	117.31	.12	1.32
16040.00	115.75	470.00	110.50	115.76	.00	0
16040.00	116.95	930.00	110.50	116.95	.01	1.20
16040.00	117.56	1240.00	110.50	117.57	.01	.62
16040.00	119.12	2275.00	110.50	119.13	.01	1.56
* 18580.00	123.09	400.00	119.80	123.50	.40	0
* 18580.00	123.51	780.00	119.80	124.06	.54	.42
* 18580.00	123.77	1070.00	119.80	124.39	.62	.26
* 18580.00	124.42	2000.00	119.80	125.22	.80	.65
* 18600.00	132.46	400.00	131.90	132.68	.22	0
* 18600.00	132.72	780.00	131.90	133.03	.31	.25
* 18600.00	132.86	1070.00	131.90	133.24	.38	.14
* 18600.00	133.27	2000.00	131.90	133.81	.54	.41
18601.00	132.72	400.00	131.90	132.80	.08	0
18601.00	133.01	780.00	131.90	133.15	.14	.30
18601.00	133.20	1070.00	131.90	133.38	.17	.19
18601.00	133.67	2000.00	131.90	133.95	.28	.47
18603.00	132.82	400.00	131.90	132.88	.06	0
18603.00	133.14	780.00	131.90	133.25	.11	.32
18603.00	133.34	1070.00	131.90	133.47	.14	.19
18603.00	133.84	2000.00	131.90	134.06	.22	.50
18605.00	132.89	400.00	131.90	132.94	.05	0
18605.00	133.22	780.00	131.90	133.31	.09	.34
18605.00	133.43	1070.00	131.90	133.54	.12	.20
18605.00	133.94	2000.00	131.90	134.13	.19	.52
18610.00	132.99	400.00	131.90	133.03	.04	0
18610.00	133.36	780.00	131.90	133.43	.07	.36
18610.00	133.58	1070.00	131.90	133.67	.09	.22
18610.00	134.13	2000.00	131.90	134.28	.15	.55
18615.00	133.07	400.00	131.90	133.10	.03	0
18615.00	133.45	780.00	131.90	133.51	.06	.38
18615.00	133.68	1070.00	131.90	133.76	.08	.23
18615.00	134.26	2000.00	131.90	134.39	.13	.58

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
18630.00	133.11	400.00	128.00	133.11	.00	0
18630.00	133.93	780.00	128.00	133.93	.00	.42
18630.00	133.79	1070.00	128.00	133.79	.00	.26
18630.00	134.44	2000.00	128.00	134.45	.01	.65
20650.00	133.22	300.00	128.40	133.22	.00	0
20650.00	133.83	620.00	128.40	133.83	.00	.61
20650.00	134.23	820.00	128.40	134.23	.01	.40
20650.00	135.37	1550.00	128.40	135.39	.02	1.15
21100.00	133.30	300.00	129.80	133.33	.03	0
21100.00	134.04	620.00	129.80	134.09	.04	.74
21100.00	134.50	820.00	129.80	134.55	.05	.46
21100.00	135.78	1550.00	129.80	135.83	.05	1.28
21800.00	135.54	270.00	130.70	135.65	.11	0
21800.00	136.70	570.00	130.70	136.81	.11	1.16
21800.00	137.13	750.00	130.70	137.26	.12	.43
21800.00	138.26	1430.00	130.70	138.42	.15	1.13
24060.00	141.38	220.00	135.30	141.40	.03	0
24060.00	142.44	460.00	135.30	142.47	.03	1.06
24060.00	142.91	620.00	135.30	142.94	.03	.47
24060.00	144.23	1200.00	135.30	144.25	.03	1.31
25040.00	144.29	200.00	140.00	144.68	.39	0
25040.00	145.15	400.00	140.00	145.81	.66	.86
25040.00	145.63	560.00	140.00	146.42	.79	.47
25040.00	146.80	1100.00	140.00	147.69	.89	1.17
25105.00	145.97	200.00	142.40	147.32	1.35	0
25105.00	147.48	400.00	142.40	150.15	2.68	1.51
25105.00	148.15	560.00	142.40	148.20	.05	.67
25105.00	148.45	1100.00	142.40	148.60	.14	.31
25165.00	145.99	200.00	142.40	147.33	1.34	0
25165.00	150.27	400.00	142.40	151.39	1.11	4.28
25165.00	153.53	560.00	142.40	153.53	.00	3.26
25165.00	154.24	1100.00	142.40	154.24	.00	.71
25210.00	147.73	200.00	142.10	147.79	.05	0
25210.00	151.62	400.00	142.10	151.62	.00	3.89
25210.00	153.53	560.00	142.10	153.53	.00	1.91
25210.00	154.24	1100.00	142.10	154.25	.01	.71

SUMMARY PRINTOUT

BLOUNTS CR BRANSONS TO

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
11775.00	0	67.24	581.00	610.00	672.54	605.29
11775.00	1.80	43.07	581.00	610.00	697.89	654.82
11775.00	1.10	37.20	581.00	610.00	1174.59	765.29
11775.00	4.30	20.90	581.00	610.00	1386.07	1365.17
11800.00	0	40.95	345.00	375.00	464.05	423.10
11800.00	1.80	31.48	345.00	375.00	466.70	435.22
11800.00	1.10	25.98	345.00	375.00	467.80	441.82
11800.00	4.30	4.49	345.00	375.00	472.10	467.61
12050.00	0	301.50	458.00	474.00	927.28	625.79
12050.00	1.79	241.36	458.00	474.00	932.00	690.64
12050.00	1.09	187.60	458.00	474.00	932.00	744.40
12050.00	4.28	54.02	458.00	474.00	932.00	877.98
12100.00	0	301.51	516.00	521.00	1097.29	795.78
12100.00	1.78	247.30	516.00	521.00	1175.53	928.23
12100.00	1.09	214.71	516.00	521.00	1222.25	1007.55
12100.00	4.27	86.41	516.00	521.00	1406.15	1319.74
12120.00	0	300.06	516.00	521.00	1098.24	797.27
12120.00	9.73	8.49	516.00	521.00	1517.84	1509.35
12120.00	.27	.32	516.00	521.00	1529.55	1529.23
12120.00	.73	0	516.00	521.00	1530.00	1530.00
12200.00	0	81.95	357.00	381.00	800.00	718.05
12200.00	9.71	2.27	357.00	381.00	800.00	797.73
12200.00	.27	.05	357.00	381.00	800.00	799.95
12200.00	.73	0	357.00	381.00	800.00	800.00
12450.00	0	229.75	315.00	345.00	516.58	286.83
12450.00	9.59	210.55	315.00	345.00	1025.35	814.79
12450.00	.27	210.01	315.00	345.00	1039.73	829.72
12450.00	.73	210.00	315.00	345.00	1040.00	830.00
12700.00	0	535.85	534.00	576.00	575.86	40.01
12700.00	8.69	322.56	534.00	576.00	892.86	570.30
12700.00	.28	322.20	534.00	576.00	909.89	587.69
12700.00	.74	321.24	534.00	576.00	915.48	594.25
12730.00	0	466.35	550.00	564.00	586.31	119.96
12730.00	8.25	327.05	550.00	564.00	881.32	554.27
12730.00	.28	325.00	550.00	564.00	910.00	585.00
12730.00	.75	278.87	550.00	564.00	913.71	634.83
12790.00	0	466.21	550.00	564.00	586.33	120.12
12790.00	10.21	264.72	550.00	564.00	918.43	653.71
12790.00	.32	259.98	550.00	564.00	920.08	660.09
12790.00	.74	256.24	550.00	564.00	938.78	682.54
12820.00	0	501.47	548.00	562.00	610.47	108.99
12820.00	9.39	382.75	548.00	562.00	878.96	496.21
12820.00	.32	373.54	548.00	562.00	885.70	512.16
12820.00	.74	297.24	548.00	562.00	901.46	551.89

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
14270.00	0	679.88	800.00	820.00	925.64	245.76
14270.00	4.07	558.28	800.00	820.00	973.67	415.40
14270.00	.39	542.37	800.00	820.00	978.01	435.64
14270.00	1.01	489.48	800.00	820.00	990.60	501.12
15000.00	0	692.44	800.00	820.00	917.81	229.37
15000.00	1.81	627.53	800.00	820.00	949.79	322.26
15000.00	.48	610.20	800.00	820.00	954.18	343.98
15000.00	1.27	577.87	800.00	820.00	965.73	387.86
16000.00	0	686.19	800.00	820.00	971.71	235.52
16000.00	.74	659.58	800.00	820.00	938.28	278.69
16000.00	.52	640.68	800.00	820.00	946.46	305.79
16000.00	1.32	595.70	800.00	820.00	958.51	362.81
16040.00	0	559.21	698.00	708.00	947.39	388.18
16040.00	1.20	507.88	698.00	708.00	962.24	454.36
16040.00	.62	461.70	698.00	708.00	969.86	508.16
16040.00	1.56	405.22	698.00	708.00	989.16	583.94
18580.00	0	400.66	400.00	416.00	562.28	161.00
18580.00	.42	400.47	400.00	416.00	571.19	170.72
18580.00	.26	400.36	400.00	416.00	576.65	176.29
18580.00	.65	363.75	400.00	416.00	590.10	193.73
18600.00	0	324.26	400.00	416.00	586.33	260.39
18600.00	.25	310.26	400.00	416.00	602.06	291.38
18600.00	.14	302.23	400.00	416.00	604.64	302.41
18600.00	.41	273.73	400.00	416.00	611.92	338.19
18601.00	0	310.04	400.00	416.00	602.13	291.68
18601.00	.30	291.56	400.00	416.00	607.47	315.90
18601.00	.19	277.60	400.00	416.00	610.96	333.36
18601.00	.47	249.66	400.00	416.00	619.02	369.37
18603.00	0	304.27	400.00	416.00	603.98	299.71
18603.00	.32	282.70	400.00	416.00	609.68	326.99
18603.00	.19	268.75	400.00	416.00	613.17	344.42
18603.00	.50	248.74	400.00	416.00	622.14	373.40
18605.00	0	300.24	400.00	416.00	605.28	305.04
18605.00	.34	276.28	400.00	416.00	611.29	335.01
18605.00	.20	262.24	400.00	416.00	614.80	352.55
18605.00	.52	248.22	400.00	416.00	623.89	375.67
18610.00	0	293.33	400.00	416.00	607.02	313.69
18610.00	.36	267.36	400.00	416.00	613.52	346.16
18610.00	.22	250.95	400.00	416.00	617.62	366.67
18610.00	.55	247.26	400.00	416.00	700.62	381.27
18615.00	0	287.95	400.00	416.00	608.37	320.41
18615.00	.38	259.85	400.00	416.00	615.40	355.55
18615.00	.23	249.57	400.00	416.00	619.30	369.73
18615.00	.58	246.52	400.00	416.00	705.83	394.35

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
18630.00	0	356.19	400.00	416.00	756.13	399.94
18630.00	.42	352.37	400.00	416.00	758.06	405.70
18630.00	.26	350.04	400.00	416.00	759.24	409.21
18630.00	.65	339.47	400.00	416.00	762.25	422.78
20650.00	0	375.97	500.00	510.00	638.11	262.14
20650.00	.61	374.69	500.00	510.00	647.39	272.70
20650.00	.40	373.86	500.00	510.00	651.69	277.83
20650.00	1.15	371.50	500.00	510.00	660.29	288.79
21100.00	0	790.20	900.00	913.00	1026.82	236.62
21100.00	.74	778.36	900.00	913.00	1053.23	274.87
21100.00	.46	771.08	900.00	913.00	1069.46	298.38
21100.00	1.28	750.64	900.00	913.00	1084.34	333.70
21800.00	0	368.27	494.00	506.00	535.66	102.28
21800.00	1.16	356.01	494.00	506.00	557.94	159.25
21800.00	.43	349.81	494.00	506.00	566.29	182.20
21800.00	1.13	333.63	494.00	506.00	588.06	242.09
24060.00	0	524.11	648.00	658.00	697.20	173.10
24060.00	1.06	403.54	648.00	658.00	710.70	307.16
24060.00	.47	400.12	648.00	658.00	716.72	316.60
24060.00	1.31	390.62	648.00	658.00	733.43	342.82
25040.00	0	791.00	790.00	813.00	813.50	22.50
25040.00	.86	764.76	790.00	813.00	815.75	50.99
25040.00	.47	743.08	790.00	813.00	816.99	73.90
25040.00	1.17	689.35	790.00	813.00	820.06	130.72
25105.00	0	800.00	800.00	806.00	806.00	6.00
25105.00	1.51	800.00	800.00	806.00	806.00	6.00
25105.00	.47	611.04	800.00	806.00	823.56	212.52
25105.00	.31	592.32	800.00	806.00	824.35	232.03
25165.00	0	800.00	800.00	806.00	806.00	6.00
25165.00	4.28	800.00	800.00	806.00	806.00	6.00
25165.00	3.26	337.33	800.00	806.00	971.76	634.44
25165.00	.71	317.38	800.00	806.00	992.79	675.41
25210.00	0	747.52	793.00	812.00	868.11	120.60
25210.00	3.89	704.79	793.00	812.00	1059.65	354.86
25210.00	1.91	644.48	793.00	812.00	1126.55	482.07
25210.00	.71	612.27	793.00	812.00	1144.00	531.73

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FLOOD INSURANCE ZONE DATA FOR BLOUNTS CR BRANSONS TO

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
11775.000	0	-2.9	-1.1	4.3
11800.000	25.	-2.9	-1.1	4.3
12050.000	275.	-2.9	-1.1	4.3
12100.000	325.	-2.9	-1.1	4.3
12120.000	375.	-10.0	.3	.7
12200.000	455.	-10.0	.3	.7
12450.000	705.	-9.9	.3	.7
12700.000	955.	-9.0	.3	.7
12730.000	985.	-8.5	.3	.7
12790.000	1045.	-10.5	.3	.7
12820.000	1075.	-9.7	.3	.7
14270.000	2525.	-4.5	.4	1.0
15000.000	3255.	-2.3	.5	1.3
16000.000	4255.	-1.3	.5	1.3
16040.000	6025.	-1.8	.6	1.6
18580.000	8565.	-.7	.3	.6
18600.000	8585.	-.4	.1	.4
18601.000	8586.	-.5	.2	.5
18603.000	8588.	-.5	.2	.5
18605.000	8590.	-.3	.2	.3
18610.000	8595.	-.6	.2	.5
18615.000	8600.	-.6	.2	.6
18630.000	8630.	-.7	.3	.7
20650.000	10650.	-1.0	.4	1.1
21100.000	11100.	-1.2	.5	1.3
21800.000	11800.	-1.6	.4	1.1
24060.000	14060.	-1.5	.5	1.3
25040.000	15040.	-1.3	.5	1.2
25105.000	15105.	-2.2	.7	.3
25165.000	15165.	-7.5	-3.3	.7
25210.000	15210.	-5.8	-1.9	.7
WEIGHTED AVG FOR REACH		-2.5	-.5	1.2

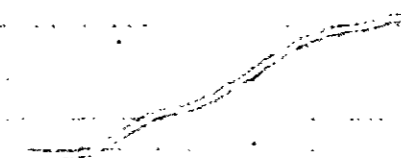
FHF FOR THE REACH = .025 WITH 40.4% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	PERCENT WITHIN
		10'	1'	DIFF.		
	0					SEC, 11775.000
1	100.	99.9	102.8	-2.9	-2.9	030 100.
	25.					SEC, 11800.000
2	200.	99.9	102.8	-2.9	-2.9	030 100.

U.S. GEOLOGICAL SURVEY

3	275.						
	300.	100.0	102.8	-2.9	-2.9	030	100.
	325.					SEC.	12100.000
	375.					SEC.	12120.000
4	400.	100.0	110.0	-10.0	-4.7	045	0
	455.					SEC.	12200.000
5	500.	100.0	110.0	-10.0	-5.7	055	0
6	600.	100.1	110.0	-9.9	-6.4	065	0
7	700.	100.1	110.0	-9.9	-6.9	070	0
	705.					SEC.	12450.000
8	800.	100.3	110.0	-9.7	-7.3	075	0
9	900.	100.7	110.0	-9.3	-7.5	075	11.
	955.					SEC.	12700.000
	985.					SEC.	12730.000
10	1000.	101.5	110.3	-8.8	-7.6	075	20.
	1045.					SEC.	12790.000
	1075.					SEC.	12820.000
11	1100.	102.3	112.0	-9.7	-7.8	080	36.
12	1200.	102.6	112.0	-9.4	-7.9	080	58.
13	1300.	103.0	112.0	-9.1	-8.0	080	77.
14	1400.	103.3	112.0	-8.7	-8.1	080	79.
15	1500.	103.7	112.1	-8.4	-8.1	080	80.
16	1600.	104.1	112.1	-8.0	-8.1	080	81.
17	1700.	104.5	112.1	-7.6	-8.1	080	82.
18	1800.	104.8	112.1	-7.3	-8.0	080	83.
19	1900.	105.2	112.1	-6.9	-8.0	080	74.
20	2000.	105.6	112.1	-6.5	-7.9	080	65.
21	2100.	106.0	112.2	-6.2	-7.8	080	67.
22	2200.	106.4	112.2	-5.8	-7.7	075	68.
23	2300.	106.7	112.2	-5.5	-7.6	075	57.
24	2400.	107.1	112.2	-5.1	-7.5	075	54.
25	2500.	107.5	112.2	-4.7	-7.4	075	52.
	2525.					SEC.	14270.000
26	2600.	107.9	112.3	-4.4	-7.3	075	46.
27	2700.	108.2	112.3	-4.1	-7.2	070	44.
28	2800.	108.6	112.4	-3.8	-7.0	070	43.
29	2900.	109.0	112.5	-3.5	-6.9	070	17.
30	3000.	109.3	112.5	-3.2	-6.8	070	20.
31	3100.	109.7	112.6	-2.9	-6.7	065	19.
32	3200.	110.0	112.6	-2.6	-6.5	065	16.
	3255.					SEC.	15000.000
33	3300.	110.4	112.8	-2.3	-6.4	065	18.
34	3400.	110.8	113.0	-2.2	-6.3	065	18.
35	3500.	111.2	113.3	-2.1	-6.2	060	14.
36	3600.	111.7	113.6	-2.0	-6.1	060	17.
37	3700.	112.1	114.0	-1.9	-5.9	060	16.
38	3800.	112.5	114.3	-1.8	-5.8	060	13.
39	3900.	112.9	114.6	-1.7	-5.7	055	13.
40	4000.	113.3	114.9	-1.6	-5.6	055	15.
41	4100.	113.7	115.2	-1.5	-5.5	055	12.
42	4200.	114.2	115.5	-1.4	-5.4	055	12.
	4255.					SEC.	16000.000
43	4300.	114.5	115.8	-1.3	-5.3	055	14.
44	4400.	114.7	116.0	-1.3	-5.2	050	14.
45	4500.	114.7	116.1	-1.3	-5.2	050	11.
46	4600.	114.8	116.2	-1.4	-5.1	050	13.
47	4700.	114.9	116.2	-1.4	-5.0	050	13.
48	4800.	114.9	116.3	-1.4	-4.9	050	13.
49	4900.	115.0	116.4	-1.4	-4.8	050	12.
50	5000.	115.1	116.5	-1.5	-4.8	050	12.
51	5100.	115.1	116.6	-1.5	-4.7	045	12.
52	5200.	115.2	116.7	-1.5	-4.7	045	12.
53	5300.	115.3	116.8	-1.6	-4.6	045	11.
54	5400.	115.3	116.9	-1.6	-4.5	045	11.
55	5500.	115.4	117.0	-1.6	-4.5	045	13.
56	5600.	115.4	117.1	-1.7	-4.4	045	11.



STANDARD GRADE PAPER

57	5700.	115.5	117.2	-1.7	-4.3	045	11.
58	5800.	115.6	117.3	-1.7	-4.3	045	10.
59	5900.	115.6	117.4	-1.8	-4.3	045	10.
60	6000.	115.7	117.5	-1.8	-4.3	045	10.
	6025.						
61	6100.	115.9	117.6	-1.8	-4.2	040	10.
62	6200.	116.1	117.9	-1.8	-4.2	040	11.
63	6300.	116.4	118.1	-1.7	-4.1	040	11.
64	6400.	116.7	118.4	-1.7	-4.1	040	11.
65	6500.	117.0	118.6	-1.6	-4.1	040	9.
66	6600.	117.3	118.8	-1.6	-4.0	040	9.
67	6700.	117.6	119.1	-1.5	-4.0	040	9.
68	6800.	117.8	119.3	-1.5	-3.9	040	9.
69	6900.	118.1	119.6	-1.4	-3.9	040	9.
70	7000.	118.4	119.8	-1.4	-3.9	040	14.
71	7100.	118.7	120.1	-1.4	-3.8	040	14.
72	7200.	119.0	120.3	-1.3	-3.8	040	14.
73	7300.	119.3	120.6	-1.3	-3.8	040	14.
74	7400.	119.6	120.8	-1.2	-3.7	035	14.
75	7500.	119.9	121.0	-1.2	-3.7	035	12.
76	7600.	120.2	121.3	-1.1	-3.7	035	12.
77	7700.	120.4	121.5	-1.1	-3.6	035	12.
78	7800.	120.7	121.8	-1.0	-3.6	035	12.
79	7900.	121.0	122.0	-1.0	-3.6	035	13.
80	8000.	121.3	122.3	-1.0	-3.5	035	13.
81	8100.	121.6	122.5	-.9	-3.5	035	12.
82	8200.	121.9	122.8	-.9	-3.5	035	12.
83	8300.	122.2	123.0	-.8	-3.4	035	12.
84	8400.	122.5	123.2	-.8	-3.4	035	12.
85	8500.	122.8	123.5	-.7	-3.4	035	11.
	8565.						
	8585.						
	8586.						
	8588.						
	8590.						
	8595.						
86	8600.	133.0	133.6	-.6	-3.3	035	12.
	8600.						
	8630.						
87	8700.	133.1	133.8	-.7	-3.3	035	11.
88	8800.	133.1	133.8	-.7	-3.3	035	11.
89	8900.	133.1	133.8	-.7	-3.3	035	11.
90	9000.	133.1	133.9	-.7	-3.2	030	11.
91	9100.	133.1	133.9	-.7	-3.2	030	11.
92	9200.	133.1	133.9	-.8	-3.2	030	12.
93	9300.	133.1	133.9	-.8	-3.1	030	12.
94	9400.	133.1	133.9	-.8	-3.1	030	12.
95	9500.	133.2	134.0	-.8	-3.1	030	12.
96	9600.	133.2	134.0	-.8	-3.1	030	11.
97	9700.	133.2	134.0	-.8	-3.1	030	11.
98	9800.	133.2	134.0	-.9	-3.0	030	11.
99	9900.	133.2	134.1	-.9	-3.0	030	11.
100	10000.	133.2	134.1	-.9	-3.0	030	12.
101	10100.	133.2	134.1	-.9	-3.0	030	12.
102	10200.	133.2	134.1	-.9	-2.9	030	12.
103	10300.	133.2	134.1	-.9	-2.9	030	12.
104	10400.	133.2	134.2	-1.0	-2.9	030	12.
105	10500.	133.2	134.2	-1.0	-2.9	030	11.
106	10600.	133.2	134.2	-1.0	-2.9	030	12.
	10650.						
107	10700.	133.2	134.2	-1.0	-2.9	030	12.
108	10800.	133.2	134.3	-1.1	-2.8	030	12.
109	10900.	133.3	134.3	-1.1	-2.8	030	12.
110	11000.	133.3	134.4	-1.1	-2.8	030	12.
	11100.						
111	11100.	133.3	134.5	-1.2	-2.8	030	11.

SEC. 16040.000

SEC. 18580.000

SEC. 18600.000

SEC. 18601.000

SEC. 18603.000

SEC. 18605.000

SEC. 18610.000

SEC. 18615.000

SEC. 18630.000

SEC. 20650.000

SEC. 21100.000

112	11300.	133.8	135.1	-1.3	-2.8	030	13.
113	11400.	134.1	135.4	-1.3	-2.8	030	15.
114	11500.	134.4	135.8	-1.4	-2.7	025	15.
115	11600.	134.7	136.2	-1.5	-2.7	025	15.
116	11700.	135.1	136.6	-1.5	-2.7	025	15.
117	11800.						
118	11800.	135.4	136.9	-1.6	-2.7	025	16.
119	11900.	135.7	137.3	-1.6	-2.7	025	16.
120	12000.	135.9	137.5	-1.6	-2.7	025	17.
121	12100.	136.2	137.8	-1.6	-2.7	025	17.
122	12200.	136.4	138.0	-1.6	-2.7	025	17.
123	12300.	136.7	138.3	-1.6	-2.7	025	19.
124	12400.	137.0	138.5	-1.6	-2.7	025	19.
125	12500.	137.2	138.8	-1.6	-2.6	025	18.
126	12600.	137.5	139.1	-1.6	-2.6	025	18.
127	12700.	137.7	139.3	-1.6	-2.6	025	19.
128	12800.	138.0	139.6	-1.6	-2.6	025	20.
129	12900.	138.3	139.8	-1.6	-2.6	025	19.
130	13000.	138.5	140.1	-1.6	-2.6	025	19.
131	13100.	138.8	140.3	-1.6	-2.6	025	20.
132	13200.	139.0	140.5	-1.6	-2.6	025	21.
133	13300.	139.3	140.8	-1.6	-2.6	025	23.
134	13400.	139.5	141.1	-1.6	-2.6	025	27.
135	13500.	139.8	141.4	-1.6	-2.6	025	30.
136	13600.	140.1	141.6	-1.6	-2.6	025	32.
137	13700.	140.3	141.9	-1.5	-2.6	025	34.
138	13800.	140.6	142.1	-1.5	-2.5	025	36.
139	13900.	140.8	142.4	-1.5	-2.5	025	37.
140	14000.	141.1	142.6	-1.5	-2.5	025	39.
141	14100.	141.4	142.9	-1.5	-2.5	025	39.
142	14200.	141.6	143.2	-1.5	-2.5	025	39.
143	14300.	141.9	143.4	-1.5	-2.5	025	41.
144	14400.	142.2	143.7	-1.5	-2.5	025	40.
145	14500.	142.5	144.0	-1.5	-2.5	025	40.
146	14600.	142.8	144.3	-1.4	-2.5	025	40.
147	14700.	143.1	144.5	-1.4	-2.5	025	40.
148	14800.	143.4	144.8	-1.4	-2.5	025	42.
149	14900.	143.7	145.1	-1.4	-2.5	025	42.
150	15000.	144.0	145.4	-1.4	-2.5	025	42.
151	15100.	145.0	146.7	-1.7	-2.5	025	43.
152	15200.	146.7	153.5	-6.9	-2.5	025	39.

SEC. 21800,000

SEC. 24060,000

SEC. 25040,000

SEC. 25105,000

SEC. 25165,000

SEC. 25210,000

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE. 202 18 152
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 2 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL
- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 3 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO= 18580.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18580.00 PROFILE#

4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 18580.00 PROFILE#

4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

1 SLOPE TOO STEEP

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

2 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

2 SLOPE TOO STEEP

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

3 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

3 SLOPE TOO STEEP

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 18600.00 PROFILE#

4 SLOPE TOO STEEP

POSSIBLE ERROR SECNO# 25105.00 PROFILE#

2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 25105.00 PROFILE#

3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 25105.00 PROFILE#

3 20 TRIALS REQUIRED TO BALANCE WSEL

2025 RELEASE UNDER E.O. 14176

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

T1 FPMS BR FAYETTEVILLE NC FIS
 T2 10 YR NATURAL
 T3 BLOUNTS CR BRANSONS TO OWEN ST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO		
	-1.	6.	-0	-0	-0	-0	-0	-0	99.900	-0		
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE		
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	0		
J3	-2.000	1.000	43.000	42.000	3.000	10.000	50.000	0	38.000	50.000		
J3	53.600	21.000	22.000	54.000	4.000	0	201.000	-0	-0	-0		
NC	.100	.100	.060	.200	.400	-0	0	-0	-0	-0		
QT	7.000	1910.000	1910.000	1910.000	1910.000	800.000	1490.000	3320.000	-0	-0		
ET	-0	-0	4.100	410.000	610.000	-0	0	-0	-0	-0		
X1	11775.000	18.000	581.000	610.000	-0	-0	-0	-0	-0	-0		
GR	113.000	0	103.400	34.000	100.400	50.000	97.500	150.000	96.400	250.000		
GR	96.300	350.000	97.100	450.000	98.000	550.000	97.500	581.000	94.800	585.000		
GR	93.700	590.000	93.700	596.000	96.000	610.000	98.300	650.000	105.400	750.000		
GR	102.300	1150.000	108.400	1450.000	111.400	1550.000	0	0	0	0		
QT	7.000	1500.000	1500.000	1500.000	1500.000	600.000	1160.000	2660.000	-0	-0		
NC	.120	.120	.070	.200	.400	-0	0	-0	-0	-0		
ET	-0	-0	4.100	175.000	379.000	-0	0	-0	-0	-0		
X1	11800.000	14.000	345.000	375.000	25.000	25.000	25.000	-0	-0	-0		
GR	108.000	0	100.000	40.000	98.000	60.000	96.000	90.000	96.000	140.000		
GR	96.000	330.000	95.000	345.000	94.300	350.000	94.300	370.000	95.500	375.000		
GR	96.000	380.000	98.000	445.000	100.000	465.000	110.000	475.000	-0	-0		
ET	-0	-0	4.100	458.000	658.000	-0	0	-0	-0	-0		
X1	12050.000	15.000	458.000	474.000	250.000	250.000	250.000	0	0	-0		
GR	110.000	0	108.000	23.000	106.000	93.200	104.000	124.300	102.000	233.000		
GR	100.000	299.000	98.000	416.000	96.000	458.000	95.000	462.000	95.000	470.000		
GR	96.000	474.000	96.000	521.000	98.000	602.000	98.000	711.000	100.000	932.000		
ET	-0	-0	4.100	510.000	710.000	-0	0	-0	-0	-0		
X1	12100.000	12.000	516.000	521.000	50.000	50.000	50.000	-0	-0	-0		
GR	110.000	0	100.000	300.000	98.000	450.000	96.000	510.000	96.000	516.000		
GR	94.600	516.000	94.600	521.000	96.000	521.000	96.000	600.000	98.000	830.000		
GR	100.000	1100.000	110.000	1530.000	0	0	0	0	0	0		
SB	1.250	2.040	2.500	-0	6.000	.010	36.000	-0	-0	-0		
ET	-0	-0	100.200	-0	-0	-0	-0	-0	-0	-0		
X1	12120.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0		
X2	0	0	1.000	101.650	109.000	-0	0	-0	-0	-0		
BT	8.000	0	112.000	101.600	152.000	110.000	101.600	163.000	109.000	101.600		
BT	291.000	109.000	101.600	338.000	109.000	101.600	544.000	109.000	101.600	563.000		
BT	110.000	101.600	629.000	112.000	101.600	-0	-0	-0	-0	-0		
ET	-0	-0	100.200	-0	-0	-0	-0	-0	-0	-0		
X1	12200.000	9.000	357.000	381.000	80.000	80.000	80.000	0	0	-0		
GR	110.000	0	100.000	82.000	98.000	159.000	96.000	357.000	95.500	361.000		
GR	95.500	377.000	96.000	381.000	98.000	536.000	100.000	800.000	-0	-0		

X1	12450.000	11.000	315.000	345.000	250.000	250.000	250.000	0	0	-0
GR	110.000	210.000	100.000	230.000	98.000	240.000	97.500	300.000	97.000	315.000
GR	96.500	320.000	96.500	340.000	97.000	345.000	98.000	360.000	100.000	510.000
GR	110.000	1040.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	12700.000	28.000	534.000	576.000	250.000	250.000	250.000	0	0	-0
GR	120.000	50.000	117.600	111.000	113.200	318.000	107.100	326.000	104.900	374.000
GR	101.100	465.000	102.500	507.000	101.700	534.000	98.100	544.000	97.300	550.000
GR	97.700	554.000	96.700	559.000	96.100	563.000	97.300	568.000	101.100	576.000
GR	101.600	580.000	105.400	688.000	108.100	770.000	108.400	810.000	110.000	910.000
GR	112.000	925.000	114.000	970.000	116.000	1005.000	118.000	1045.000	120.000	1075.000
GH	122.000	1170.000	124.000	1285.000	126.000	1390.000	-0	-0	-0	-0

X1	12730.000	21.000	550.000	564.000	30.000	30.000	30.000	-0	-0	-0
GR	116.000	180.000	114.000	250.000	112.000	260.000	110.000	290.000	110.000	325.000
GR	104.000	370.000	102.000	440.000	100.000	540.000	100.000	550.000	97.400	550.000
GR	97.300	558.000	97.500	564.000	100.000	564.000	100.000	576.000	102.000	590.000
GR	104.000	610.000	106.000	650.000	108.000	700.000	110.000	910.000	112.000	920.000
GR	114.000	970.000	-0	-0	-0	-0	-0	-0	-0	-0
SB	1.250	2.040	2.500	-0	14.000	.010	84.000	-0	-0	-0
ET	-0	-0	4.100	410.000	610.000	-0	-0	-0	-0	-0

X1	12790.000	-0	-0	-0	60.000	60.000	60.000	-0	-0	-0
X2	0	0	1.000	103.300	110.400	-0	-0	-0	-0	-0
BT	10.000	25.000	120.000	103.300	250.000	115.400	103.300	450.000	112.400	103.300
BT	564.000	111.500	103.300	700.000	110.400	103.300	800.000	110.900	103.300	1000.000
BT	115.000	103.300	1160.000	120.000	103.300	1200.000	122.000	103.300	1335.000	126.000
BT	103.300	-0	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	4.100	450.000	650.000	-0	-0	-0	-0	-0

X1	12820.000	31.000	548.000	562.000	30.000	30.000	30.000	0	0	-0
GR	130.100	38.000	120.100	88.000	116.900	205.000	117.000	288.000	112.400	298.000
GR	114.500	308.000	114.100	313.000	108.600	472.000	97.900	522.000	97.900	531.000
GR	100.400	536.000	98.900	548.000	98.000	550.000	97.000	554.000	96.900	555.000
GR	97.000	557.000	98.400	561.000	98.900	562.000	103.800	632.000	105.900	650.000
GR	106.300	652.000	107.600	684.000	107.700	780.000	111.500	875.000	114.100	930.000
GR	116.000	1035.000	118.000	1100.000	120.000	1160.000	122.000	1220.000	124.000	1320.000
GR	126.000	1390.000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.120	.120	.070	.200	.400	-0	-0	-0	-0	-0
ET	-0	-0	4.100	670.000	870.000	-0	-0	-0	-0	-0

X1	14270.000	29.000	800.000	820.000	1450.000	1450.000	1450.000	0	0	-0
GR	130.000	0	128.000	30.000	126.000	100.000	124.000	155.000	122.000	215.000
GR	120.000	245.000	118.000	290.000	116.000	330.000	114.000	450.000	112.000	555.000
GR	110.000	600.000	105.000	780.000	105.400	800.000	104.300	801.000	103.100	810.000
GR	104.300	820.000	105.400	820.000	105.300	870.000	108.600	944.000	112.000	975.000
GR	114.000	1000.000	116.000	1210.000	118.000	1260.000	120.000	1325.000	122.000	1345.000
GR	124.000	1375.000	126.000	1400.000	128.000	1415.000	130.000	1450.000	-0	-0
ET	-0	-0	4.100	670.000	870.000	-0	-0	-0	-0	-0

X1	15000.000	0	0	0	730.000	730.000	730.000	0	3.000	-0
ET	-0	-0	4.100	670.000	870.000	-0	-0	-0	-0	-0

X1	16000.000	0	0	0	1000.000	1000.000	1000.000	0	4.000	-0
ET	-0	-0	9.100	-0	-0	-0	-0	-0	670.000	870.000
OT	7.000	1240.000	1240.000	1240.000	1240.000	470.000	930.000	2275.000	-0	-0

Form 10-60 (Rev. 1-25-60)

GR	132.800	913.000	132.200	1073.000	144.200	1165.000	155.900	1270.000	158.000	1290.000
GR	138.100	1310.000	162.000	1325.000	164.000	1342.000	166.000	1362.000	168.000	1382.000
GR	170.000	1410.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	750.000	750.000	750.000	750.000	270.000	570.000	1430.000	-0	-0
X1	21800.000	24.000	494.000	506.000	700.000	700.000	700.000	0	0	-0
GR	160.000	10.000	158.000	30.000	156.000	60.000	154.000	90.000	152.000	150.000
GR	150.000	200.000	145.300	233.000	136.700	356.000	135.000	374.000	138.900	420.000
GR	133.500	461.000	133.900	494.000	131.600	500.000	130.700	502.000	130.800	503.000
GR	130.200	505.000	131.600	506.000	134.000	506.000	139.300	608.000	147.800	747.000
GR	148.200	779.000	151.500	857.000	150.200	930.000	169.800	992.000	-0	-0
QT	7.000	620.000	620.000	620.000	620.000	220.000	460.000	1200.000	-0	-0
X1	24060.000	22.000	648.000	658.000	2260.000	2260.000	2260.000	0	0	-0
GR	161.300	133.000	161.500	183.000	151.100	323.000	146.800	372.000	142.100	406.000
GR	141.800	460.000	141.600	513.000	139.800	604.000	138.900	648.000	135.600	650.000
GR	135.400	652.000	135.400	653.000	135.300	654.000	135.700	656.000	138.300	658.000
GR	144.900	742.000	147.600	828.000	147.800	859.000	152.000	892.000	153.400	930.000
GR	158.000	975.000	160.000	995.000	-0	-0	-0	-0	-0	-0
QT	7.000	560.000	560.000	560.000	560.000	200.000	400.000	1100.000	-0	-0
X1	25040.000	20.000	790.000	813.000	980.000	980.000	980.000	0	0	-0
GR	170.000	60.000	160.000	190.000	153.900	325.000	150.300	445.000	148.600	583.000
GR	147.100	676.000	144.600	790.000	141.500	800.000	140.000	801.000	141.200	803.000
GR	141.500	805.000	142.500	807.000	144.100	813.000	148.700	825.000	153.900	983.000
GR	160.300	1165.000	162.000	1229.000	165.300	1245.000	167.900	1325.000	178.000	1400.000
X1	25105.000	17.000	800.000	806.000	65.000	65.000	65.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	148.000	148.000	-0
GR	170.000	60.000	160.000	190.000	153.900	325.000	150.300	445.000	148.600	583.000
GR	147.100	676.000	144.600	790.000	142.400	800.000	142.400	806.000	144.100	813.000
GR	148.700	825.000	153.900	983.000	160.300	1165.000	162.000	1229.000	165.300	1245.000
GR	167.900	1325.000	178.000	1400.000	-0	-0	-0	-0	-0	-0
SH	1.250	2.040	2.500	-0	6.000	.010	36.000	-0	-0	-0
E1	-0	-0	80.200	-0	-0	-0	-0	-0	-0	-0
X1	25165.000	-0	-0	-0	60.000	60.000	60.000	-0	-0	-0
X2	0	0	1.000	148.400	153.000	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	153.000	153.300	-0
BT	10.000	20.000	170.000	148.400	400.000	157.600	148.400	500.000	155.100	148.400
BT	650.000	153.300	148.400	700.000	153.000	148.400	806.000	153.300	148.400	900.000
BT	154.000	148.400	1100.000	158.200	148.400	1300.000	164.200	148.400	1385.000	166.000
BT	148.400	-0	-0	-0	-0	-0	-0	-0	-0	-0
X1	25210.000	23.000	793.000	812.000	45.000	45.000	45.000	0	0	-0
GR	170.000	40.000	166.500	290.000	159.700	490.000	156.300	506.000	156.000	533.000
GR	152.300	700.000	148.600	726.000	145.900	793.000	143.400	796.000	142.800	800.000
GR	142.100	802.000	142.900	805.000	143.900	808.000	146.000	812.000	148.100	880.000
GR	149.000	954.000	150.600	1024.000	154.000	1143.000	160.100	1168.000	162.000	1233.000
GR	165.900	1243.000	170.000	1290.000	180.000	1400.000	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

2025 RELEASE UNDER E.O. 14176

 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 BLOUNTS CR BRANSONS TO OWEN ST

J1 ICHECK INO NIW IDIR STRT METRIC HVINS Q WSEL FO
 -10. 7. -0 -0 -0 -0 -0 -0 -0 101.700 -0
 J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 2.000 -0 -1.000 -0 -0 -0 -0 -0 -0 -0 -0

*PROF 2

CCHV= .200 CEHV= .400
 *SECNO 11775.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
QCH	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	
11775.00	8.00	101.70	0	101.70	101.71	.01	0	0	97.50	
1490.	1158.	220.	112.	2327.	203.	263.	0	0	96.00	
0	.50	1.08	.42	.100	.060	.100	0	93.70	43.07	
.000150	0	0	0	0	0	1	0	654.82	697.89	

CCHV= .200 CEHV= .400
 *SECNO 11800.000

11800.00	7.40	101.70	0	0	101.71	.01	.00	.00	95.00	
1160.	788.	211.	161.	1664.	217.	391.	1.	0.	95.50	
.01	.47	.97	.41	.120	.070	.120	.067	94.30	31.48	
.000150	25.	25.	25.	0	0	1	0	435.22	466.70	

*SECNO 12050.000
 3280 CROSS SECTION 12050.00 EXTENDED 1.75 FEET

12050.00	6.75	101.75	0	0	101.76	.01	.05	.00	96.00	
1160.	241.	119.	800.	571.	104.	1670.	15.	4.	96.00	
.14	.42	1.15	.48	.120	.070	.120	.069	95.00	241.36	
.000246	250.	250.	250.	1	0	1	0	690.64	932.00	

*SECNO 12100.000

12100.00	7.16	101.76	0	0	101.77	.00	.01	.00	96.00	
1160.	256.	24.	879.	780.	36.	2359.	18.	4.	96.00	
.18	.33	.68	.37	.120	.070	.120	.069	94.60	247.30	
.000136	50.	50.	50.	0	0	1	0	928.23	1175.53	

 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 BLOUNTS CR BRANSONS TO OWEN ST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	2.	-0	-0	-0	-0	-0	-0	102.800	-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 11775.000

3265 DIVIDED FLOW

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK	ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
11775.00	9.10	102.80	0	102.80	102.81	.01	0	0	97.50	
1910.	1500.	252.	158.	2922.	235.	391.	0	0	96.00	
0	.51	1.07	.41	.100	.060	.100	0	93.70	37.20	
.000121	-0	-0	-0	0	0	1	0	765.29	1174.59	

CCHV= .200 CEHV= .400
 *SECNO 11800.000

11800.00	8.50	102.80	0	0	102.81	.01	.00	.00	95.00	
1500.	1022.	255.	223.	2012.	250.	492.	2.	0.	95.50	
.01	.51	1.02	.45	.120	.070	.120	.067	94.30	25.98	
.000137	25.	25.	25.	0	0	1	0	441.82	467.80	

*SFCNO 12050.000
 3280 CROSS SECTION 12050.00 EXTENDED 2.84 FEET

12050.00	7.84	102.84	0	0	102.85	.00	.04	.00	96.00	
1500.	342.	131.	1027.	834.	121.	2169.	19.	4.	96.00	
.15	.41	1.08	.47	.120	.070	.120	.069	95.00	187.60	
.000176	250.	250.	250.	0	0	1	0	744.40	932.00	

*SECNO 12100.000

12100.00	8.25	102.85	0	0	102.85	.00	.01	.00	96.00	
1500.	352.	26.	1121.	1089.	41.	3096.	23.	5.	96.00	

 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 BLOUNTS CR BRANSONS TO OWEN ST

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FO
 -10. 8. -0 -0 -0 -0 -0 -0 -0 107.100 -0

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IRW CHNIM ITRACE
 15,000 -0 -1,000 -0 -0 -0 -0 -0 -0 -0 -0

*PROF 4

CCHV= .200 CEHV= .400

*SECNO 11775.000

SECNO	DEPTH	CWSEL	CRIBS	WSELK	EG	HV	HL	GLOSS	BANK	ELEV
0	QLOB	QCH	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	
11775.00	13.40	107.10	0	107.10	107.10	.00	0	0	97.50	
3320.	2318.	301.	701.	5297.	360.	2790.	0	0	96.00	
0	.44	.84	.25	.100	.060	.100	0	93.70	20.90	
.000042	-0	-0	-0	0	0	1	0	1365.17	1386.07	

CCHV= .200 CEHV= .400

*SECNO 11800.000

11800.00	12.80	107.10	0	0	107.11	.01	.00	.00	95.00	
2660.	1824.	388.	448.	3429.	379.	901.	4.	1.	95.50	
.01	.53	1.07	.50	.120	.070	.120	.067	94.30	4.49	
.000080	25.	25.	25.	0	0	1	0	467.61	472.10	

*SECNO 12050.000

3280 CROSS SECTION 12050.00 EXTENDED 7.12 FEET

12050.00	12.12	107.12	0	0	107.12	.00	.02	.00	96.00	
2660.	803.	159.	1698.	2313.	190.	4129.	36.	4.	96.00	
.18	.35	.84	.41	.120	.070	.120	.069	95.00	54.02	
.000059	250.	250.	250.	0	0	1	0	877.98	932.00	

*SECNO 12100.000

12100.00	12.52	107.12	0	0	107.13	.00	.00	.00	96.00	
2660.	710.	31.	1919.	2652.	63.	6488.	45.	6.	96.00	
.23	.27	.49	.30	.120	.070	.120	.069	94.60	86.41	
.000034	50.	50.	50.	0	0	1	0	1319.74	1406.15	