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PAGE 1

THIS RUN EXECUTED 12-03-88

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERRGR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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C MINE CRK RALEIGH NC
T1 FFMS BR RALEIGH FIA STUDY
T2 100 YR NATURAL
T3 MINE CREEK RALEIGH NC

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J1 ICHECK INQ HINV IDIR STRT METRIC HVINS Q WSEL FQ
    0. 2. 0. 0. .000000 .00 .0 0. 215.600 .000

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
    1.000 .000 -1.000 .000 .000 .000 .000 .000 .000 .000 15.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
    35.000 1.000 43.000 42.000 3.000 10.000 5.000 26.000 4.000 150.000

    110.000 200.000 100.000 .000 .000 .000 .000 .000 .000 .000

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ET .000 .000 60.200 50.200 .000 .000 .000 .000 .000 .000
NC .090 .090 .050 .200 .400 .000 .000 .000 .000 .000
QT 7.000 1500.000 1500.000 1500.000 1500.000 620.000 1150.000 2900.000 .000 .000
X1 238.000 12.000 550.000 589.000 .000 .000 .000 .000 .000 .000
GR 234.860 343.000 225.360 393.000 217.360 443.000 216.560 462.000 215.760 550.000
GR 207.060 565.000 207.060 580.000 214.060 589.000 223.360 620.000 226.360 640.000
GR 229.260 645.000 234.000 700.000 .000 .000 .000 .000 .000 .000

QT 7.000 1330.000 1330.000 1330.000 1330.000 550.000 1030.000 2770.000 .000 .000
*** NEW AIDED FOR BRIDGE # 4 SECTION # 3 ***
X1 362.000 12.000 438.000 485.000 124.000 124.000 .000 .000 .000 .000
GR 234.660 342.000 227.060 357.000 226.460 375.000 217.160 425.000 214.460 438.000
GR 206.100 440.000 206.100 460.000 214.660 485.000 216.760 540.000 222.460 530.000
GR 225.160 613.000 232.360 634.000 .000 .000 .500 .000 .000 .000

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*** SCS SECTION MI ***

XI	390.000	15.000	270.000	308.000	28.000	23.000	28.000	.000	.000	.000
GR	233.000	90.000	221.000	100.000	222.500	125.000	219.500	175.000	210.000	200.000
GR	217.000	250.000	215.800	270.000	214.000	279.000	209.900	287.000	200.600	300.000
GR	212.000	300.000	216.000	308.000	220.000	315.000	229.000	350.000	231.000	400.000

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*** NEW SECTION ADDED AT SITE OF BRIDGE # 4

XI	407.000	24.000	466.000	563.000	16.000	16.000	16.000	.000	.000	.000
GR	240.000	265.000	239.000	303.000	220.000	366.000	215.460	466.000	215.070	468.000
GR	214.210	470.500	212.830	474.500	211.450	473.500	210.080	482.500	208.700	486.500
GR	207.320	490.500	206.460	493.000	206.460	494.500	206.460	498.500	206.460	502.500
GR	206.460	506.500	206.460	507.000	210.160	510.500	210.960	513.000	216.260	563.000
GR	217.260	615.000	220.000	620.000	230.000	676.000	240.000	701.000	.000	.000

*** NEW ADDED FOR BRIDGE # 4 SECTION # 2 ***

XI	416.000	24.000	466.000	563.000	9.000	9.000	9.000	.000	.000	.000
GR	240.000	265.000	230.000	303.000	220.000	366.000	215.460	466.000	215.070	468.000
GR	214.210	470.500	212.830	474.500	211.450	478.500	210.080	482.500	208.700	486.500
GR	207.320	490.500	206.460	493.000	206.460	494.500	206.460	498.500	206.460	502.500
GR	206.460	506.500	206.460	507.000	210.160	510.500	210.960	513.000	216.260	563.000
GR	217.260	615.000	220.000	620.000	230.000	676.000	240.000	701.000	.000	.000

*** NEW ADDED FOR BRIDGE # 4 SECTION # 1 ***

XI	488.000	12.000	550.000	589.000	72.000	72.000	72.000	.000	.000	.000
GR	234.000	343.000	225.360	393.000	217.360	443.000	216.560	462.000	215.760	550.000
GR	207.060	565.000	207.060	580.000	214.060	589.000	223.360	620.000	226.360	640.000
GR	229.260	645.000	234.000	700.000	.000	.000	.000	.000	.000	.000

XI	500.000	16.000	270.000	308.000	12.000	12.000	12.000	.000	.000	.000
GR	234.000	90.000	229.000	100.000	222.800	125.000	219.500	175.000	215.000	200.000
GR	217.000	250.000	215.800	270.000	214.000	279.000	209.000	287.000	208.500	300.000
GR	212.000	300.000	216.000	308.000	220.000	315.000	229.000	350.000	231.000	400.000
GR	235.000	500.000	.000	.000	.000	.000	.000	.000	.000	.000

XI	700.000	.000	.000	.000	200.000	200.000	200.000	.000	.300	.000
QT	7.000	1300.000	1300.000	1300.000	1300.000	500.000	940.000	2500.000	.000	.000
XI	1300.000	15.000	140.000	130.000	600.000	600.000	600.000	.000	-2.400	.000
GR	232.000	45.000	225.000	75.000	220.500	100.000	218.600	120.000	218.000	140.000
GR	216.000	154.000	212.500	155.000	212.200	163.000	213.000	170.000	217.200	183.000
GR	217.200	185.000	227.000	138.000	227.800	250.000	229.000	290.000	231.000	300.000

*** SCS SECTION MI ***

XI	1800.000	.000	.000	.000	500.000	500.000	500.000	.000	.900	.000
QT	7.000	1200.000	1200.000	1200.000	1200.000	475.000	875.000	2310.000	.000	.000
XI	1900.000	.000	.000	.000	100.000	100.000	100.000	.000	.100	.000

*** NORTH HILLS DR ***

XI	1945.000	15.000	151.000	182.000	45.000	45.000	45.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	223.200	229.300	.000
GR	232.000	45.000	225.000	75.000	220.500	100.000	218.600	120.000	218.000	140.000

GR	210.900	151.000	210.900	155.000	210.900	163.000	210.900	176.000	210.900	183.000
GR	217.200	183.000	227.800	198.000	227.800	250.000	229.000	296.000	231.000	300.000

1

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SB	1.250	1.690	2.500	.000	32.000	2.000	300.000	.000	211.100	210.900
X1	2655.000	.000	.000	.000	110.000	110.000	110.000	.000	.200	.000
X2	.000	.000	1.000	221.100	228.200	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	228.200	229.300	.000
BT	12.000	.000	231.100	.000	25.000	230.100	.000	50.000	229.300	.000
BT	100.000	228.400	.000	125.000	228.200	.000	151.000	228.600	.000	151.000
ET	228.600	221.100	183.000	229.300	221.100	183.000	229.300	.000	200.000	220.300
B1	.000	275.000	234.100	.000	300.000	235.500	.000	.000	.000	.000

ET	.000	.000	.000	9.400	.000	.000	.000	.000	.000	.000
X1	2100.000	15.000	150.000	225.000	45.000	45.000	45.000	.000	-700	.000
GR	231.000	.000	230.000	10.000	222.200	34.000	220.000	100.000	220.000	150.000
GR	219.000	170.000	213.000	179.000	212.500	185.000	215.000	200.000	215.000	208.000
GR	219.000	210.000	219.600	225.000	220.000	250.000	226.000	270.000	230.000	280.000

BT	7.000	1130.000	1130.000	1130.000	1130.000	450.000	820.000	2150.000	.000	.000
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*** SCS SECTION M3 ***

X1	2430.000	.000	.000	.000	330.000	330.000	330.000	.000	.700	.000
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BT	7.000	1050.000	1050.000	1050.000	1050.000	425.000	770.000	2000.000	.000	.000
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X1	2950.000	.000	.000	.000	500.000	500.000	500.000	.000	1.500	.000
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BT	7.000	980.000	980.000	980.000	980.000	400.000	720.000	1850.000	.000	.000
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ET	.000	.000	.000	50.200	.000	.000	.000	.000	.000	.000
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*** SCS SECTION M4 ***

X1	3410.000	16.000	300.000	341.000	480.000	480.000	480.000	.000	.000	.000
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GR	234.000	70.000	224.000	100.000	221.000	140.000	221.500	200.000	223.000	230.000
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GR	221.300	290.000	222.000	309.000	220.000	312.000	216.000	319.000	215.600	337.000
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GR	222.600	341.000	222.000	370.000	222.300	400.000	223.300	440.000	230.500	470.000
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GR	234.000	480.000	.000	.000	.000	.000	.000	.000	.000	.000
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BT	7.000	920.000	920.000	920.000	920.000	380.000	675.000	1720.000	.000	.000
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*** SCS SECTION M5 ***

X1	3340.000	16.000	143.000	180.000	430.000	430.000	430.000	.000	.000	.000
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GR	235.500	10.000	231.500	30.000	225.000	60.000	223.200	100.000	223.600	130.000
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GR	223.000	143.000	216.000	148.000	216.000	160.000	219.000	170.000	223.500	180.000
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GR	223.000	225.000	223.800	250.000	223.000	300.000	223.000	400.000	227.400	435.000
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GR	236.000	460.000	.000	.000	.000	.000	.000	.000	.000	.000
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BT	7.000	850.000	850.000	850.000	850.000	360.000	625.000	1580.000	.000	.000
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*** SCS SECTION M6 ***

X1	4280.000	13.000	17.000	50.000	440.000	440.000	440.000	.000	.000	.000
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GR	236.000	.000	224.000	17.000	218.500	22.000	217.000	44.000	218.000	40.000
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GR	224.000	50.000	223.000	100.000	223.000	200.000	223.000	250.000	224.000	300.000
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GR	224.000	340.000	225.000	400.000	236.000	430.000	.000	.000	.000	.000
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BT	7.000	740.000	740.000	740.000	740.000	325.000	550.000	1360.000	.000	.000
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*** SCS SECTION M7 ***

X1	5020.000	16.000	164.000	192.000	740.000	740.000	740.000	.000	.000	.000
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GR	240.000	75.000	232.000	100.000	228.400	110.000	229.000	125.000	228.000	140.000
GR	228.000	164.000	223.000	170.000	220.500	180.000	218.500	192.000	219.500	190.000
GR	226.000	192.000	226.500	200.000	226.500	220.000	225.500	250.000	230.900	300.000
GR	240.000	335.000	.000	.000	.000	.000	.000	.000	.000	.000

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QT	7.000	650.000	650.000	650.000	650.000	300.000	480.000	1160.000	.000	.000
*** SCS SECTION M3 ***										
XI	5600.000	20.000	150.000	173.000	580.000	580.000	580.000	.000	.000	.000
GR	244.000	30.000	240.000	50.000	236.800	75.000	235.000	100.000	233.000	125.000
GR	225.000	130.000	221.000	140.000	221.500	155.000	227.000	165.000	228.000	170.000
GR	230.300	175.000	230.000	200.000	229.500	250.000	229.000	350.000	228.200	350.000
GR	227.800	400.000	228.500	450.000	228.500	650.000	232.000	675.000	241.000	700.000

ET	.000	.000	.000	60.300	.000	.000	.000	.000	.000	.000
*** SCS SECTION M9 ***										
XI	6300.000	18.000	215.000	270.000	700.000	700.000	700.000	.000	.000	.000
GR	240.000	25.000	231.500	65.000	230.800	100.000	231.300	150.000	231.000	215.000
GR	225.000	220.000	224.000	225.000	222.700	227.000	222.000	235.000	224.000	235.000
GR	228.500	250.000	230.500	260.000	231.000	270.000	232.000	300.000	231.000	370.000
GR	230.500	400.000	231.000	440.000	235.000	445.000	.000	.000	.000	.000

QT	7.000	470.000	470.000	470.000	470.000	240.000	370.000	810.000	.000	.000
XI	6900.000	.000	.000	.000	500.000	500.000	500.000	.000	2.000	.000

QT	7.000	390.000	390.000	390.000	390.000	210.000	320.000	660.000	.000	.000
*** SCS SECTION M10 ***										
XI	7300.000	26.000	690.000	729.000	500.000	500.000	500.000	.000	.000	.000
GR	245.500	.000	242.500	100.000	240.400	200.000	240.200	220.000	238.500	275.000
GR	236.000	450.000	235.400	460.000	236.000	535.000	234.500	690.000	230.000	700.000
GR	229.800	705.000	227.000	710.000	226.200	712.000	226.200	720.000	227.000	727.000
GR	235.000	729.000	235.000	750.000	234.500	760.000	234.800	800.000	235.200	900.000
GR	237.000	1050.000	227.000	1100.000	238.000	1150.000	240.400	1180.000	243.000	1200.000
GR	250.000	1240.000	.000	.000	.000	.000	.000	.000	.000	.000

QT	7.000	320.000	320.000	320.000	320.000	200.000	260.000	510.000	.000	.000
*** SCS SECTION M11 ***										
XI	7800.000	18.000	235.000	260.000	500.000	500.000	500.000	.000	.000	.000
GR	244.000	45.000	241.700	55.000	240.000	100.000	236.500	150.000	235.500	200.000
GR	236.500	225.000	236.500	235.000	238.300	247.000	227.200	250.000	228.200	258.000
GR	231.500	265.000	235.000	270.000	238.000	280.000	238.500	305.000	238.500	400.000
GR	239.000	450.000	242.000	500.000	247.000	520.000	.000	.000	.000	.000

*** SCS SECTION M12 ***										
XI	8100.000	17.000	120.000	180.000	300.000	300.000	300.000	.000	.000	.000
GR	253.000	20.000	250.800	35.000	249.500	60.000	239.000	120.000	235.000	137.000
GR	234.000	143.000	233.600	150.000	229.000	158.000	228.200	169.000	221.800	171.000
GR	234.000	177.000	238.000	180.000	238.000	200.000	239.000	222.000	246.300	300.000
GR	248.000	350.000	251.500	400.000	.000	.000	.000	.000	.000	.000

XI	8150.000	.000	.000	.000	50.000	50.000	50.000	.000	.200	.000
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*** SHELLY ROAD ***

X1	8190.000	16.000	118.600	191.000	40.000	40.000	40.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	250.000	248.000	.000
GR	253.000	20.000	250.800	35.000	249.500	60.000	239.000	118.000	239.200	127.000
GR	234.500	131.000	233.500	136.000	228.500	138.000	228.500	165.000	235.500	173.000
GR	238.500	177.000	239.000	191.000	239.000	222.000	246.300	300.000	248.000	350.000
GR	251.500	400.000	.000	.000	.000	.000	.000	.000	.000	.000

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SB	1.250	1.310	2.500	.000	20.000	4.500	814.000	1.430	228.500	228.500
X1	8215.000	.000	.000	.000	25.000	25.000	25.000	.000	.000	.000
X2	.000	.000	1.000	245.900	248.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	250.000	248.000	.000
BT	6.000	20.000	253.900	.000	118.000	250.000	.000	118.000	250.000	247.900
BT	191.000	248.000	245.300	191.000	248.000	.000	400.000	256.400	.000	.000

QT	7.000	250.000	250.000	250.000	250.000	180.000	210.000	370.000	.000	.000
M1	8265.000	16.000	65.000	100.000	50.000	50.000	50.000	.000	-1.300	.000
GR	254.000	.000	244.700	37.000	244.700	50.000	240.000	60.000	238.000	65.000
GR	233.000	70.000	231.000	71.000	230.000	75.000	230.000	85.000	231.000	90.000
GR	235.000	94.000	238.000	100.000	239.000	155.000	243.000	170.000	246.000	200.000
GR	251.000	230.000	.000	.000	.000	.000	.000	.000	.000	.000

QT	7.000	180.000	180.000	180.000	180.000	150.000	170.000	230.000	.000	.000
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*** SCS SECTION HIS DAM R13 ***

X1	8700.000	.000	.000	.000	435.000	435.000	435.000	.000	1.300	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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SECD	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLSS	PANK	ELEV
Q	QLOR	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	NLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

*PROF 1

CCHV= .200 CEHV= .400

*SECNO 238.000

238.00	8.54	215.60	.00	215.60	216.22	.62	.00	.00	215.76	
1500.	0.	1436.	4.	0.	236.	4.	0.	0.	214.06	
.00	.00	6.33	.93	.090	.050	.090	.000	207.06	550.28	
.004740	0.	0.	0.	0	0	0	.00	43.86	554.13	

FLOW DISTRIBUTION FOR SECNO= 238.00 CWSEL= 215.60

STA= 550. 559. 594.

PER Q=	99.8	.2
AREA=	236.3	4.0
VEL=	6.3	.9

*SECNO 362.000

*SECNO 8700.000

*** CCS SECTION M15 DAM R13 ***

8700.00	4.75	234.75	.00	.00	234.80	.05	.35	.00	239.00
160.	0.	180.	0.	0.	97.	0.	59.	25.	236.00
.75	.00	1.85	.00	.090	.050	.090	.000	230.00	69.25
.000765	435.	435.	435.	2	0	0	.00	25.50	93.75

0 FLOW DISTRIBUTION FOR SECNO= 8700.00 CWSSEL= 234.75

STA= 69. 100.
 PER 9= 103.1
 AREA= 97.1
 VEL= 1.9

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THIS RUN EXECUTED 12-03-88

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IEM-PC-KT VERSION AUGUST 1985

T1 FPKS BR RALEIGH FIA STUDY
 T2 FLOODWAY 60 FT TOPWIDTH
 T3 100 YR MINE CREEK RALEIGH NC

J1	ICHECK	ING	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	3.	0.	0.	.000000	.00	.0	0.	216.600	.000
J2	NPROF	IPLOT	FRFVS	NSECV	XSECH	FN	ALLDC	IEW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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SECNO	DEPTH	CWSSEL	CRIVE	WSELK	EG	HV	HL	CLOSS	BANK	ELEV
0	GLOB	COH	GROB	ALOB	ACH	ARCB	VOL	TWA	LEFT/RIGHT	
TONE	VLOB	VCH	VROB	WGL	YNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	WLOBL	WLOH	WROB	ITRIAL	IRC	ICONT	CCRAR	TOPWID	ENDST	

*PAGE 2

CCHV= .200 CEHV= .400

*SECNO 233.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 250.00 ELREA= 249.00

8215.00	5.87	234.37	.00	234.37	234.42	.05	.01	.00100000	.00
320.	0.	320.	0.	0.	187.	0.	43.	9.	100000.00
.62	.00	1.71	.00	.000	.950	.000	.000	228.51	171.63
.000508	25.	25.	25.	0	0	0	.00	40.09	171.71

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SECD	DEPTH	CHSEL	CRINS	WSELK	EG	IV	HL	GLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOS	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTH	ELMIN	SSTA	
SLOPE	VLOBL	VLCH	VLGR	ITRIAL	ICE	ICONT	CRAR	TOPWID	ENDST	

*SECD 8265.000

3470 ENCROACHMENT STATIONS=	52.5	112.5	TYPE=	2	TARGET=	60.000			
8265.00	5.69	234.39	.00	234.39	234.46	.06	.03	.01	236.76
250.	0.	250.	0.	0.	122.	0.	43.	9.	236.70
.63	.00	2.64	.00	.090	.950	.090	.000	228.76	67.30
.000805	50.	50.	50.	0	0	0	.00	28.10	95.40

0

*SECD 8700.000

3470 ENCROACHMENT STATIONS=	52.5	112.5	TYPE=	2	TARGET=	60.000			
*** 508 SECTION M13 IAN M12 ***									
8700.00	4.75	234.75	.00	234.75	234.81	.05	.35	.00	238.00
150.	0.	150.	0.	0.	97.	0.	44.	9.	238.00
.69	.00	1.83	.00	.090	.050	.090	.000	250.00	68.25
.000704	425.	425.	425.	1	0	0	.00	25.51	93.75

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THIS RUN EXECUTED 12-03-88

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HEC2 RELEASE DATED NOV 78 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 20,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1 FFMS DR RALEIGH FIA STUDY
T2 10 YR NATURAL
T3 10 MINE CREEK

J1 ICHECK INQ NINW IDIR STRT METRIC HVINS Q WSEL FQ

-1.	6.	0.	0.	.005000	.00	.0	0.	210.000	.000
J2 NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IEW	CHNIM	ITRACE
3.600	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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PAGE 29

SECD	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	GLOSS	BANK	ELEV
Q	GLGB	OCH	ORGB	ALOP	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XZL	XKCH	XKR	WTH	ELMIN	SSTA	
SLOPE	VLOBL	NLCH	VLOBR	ITRIAL	IIC	ICONT	CGRAR	TOFWID	ENDST	

*PROF 3

CCHV= .200 CEHV= .400

*SECD 236.000

238.00	5.40	212.40	.00	210.00	212.85	.38	.00	.00	215.76
620.	0.	620.	0.	0.	125.	0.	0.	0.	214.06
.00	.00	4.96	.00	.090	.050	.090	.000	207.06	555.68
.005021	0.	0.	0.	0	0	4	.00	31.26	586.95

0

*SECD 362.000

*** NEW ADDED FOR BRIDGE # 4 SECTION # 3 ***

362.00	6.95	213.05	.00	.00	213.15	.10	.25	.06	214.46
550.	0.	550.	0.	0.	215.	0.	0.	0.	214.66
.01	.00	2.95	.00	.050	.050	.090	.000	206.10	438.34
.001015	124.	124.	124.	2	0	0	.00	41.96	480.30

0

*SECD 350.000

3501 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

*** SCS SECTION (1) ***

350.00	3.81	212.41	212.41	.00	213.89	1.48	.02	.55	215.80
550.	0.	550.	0.	0.	58.	0.	1.	0.	216.00
.01	.00	9.75	.00	.090	.050	.090	.000	203.60	231.54
.033977	28.	28.	28.	4	11	0	.00	19.28	300.82

0

*SECD 407.000

3001 HV CHANGED MORE THAN HVINS

*** NEW SECTION ADDED AT SITE OF BRIDGE # 4

407.00	7.69	214.15	.00	.00	214.21	.08	.04	.28	215.46
550.	0.	550.	0.	0.	271.	0.	1.	0.	216.20
.02	.00	2.03	.00	.090	.050	.090	.000	206.46	470.66
.000549	16.	16.	16.	2	0	0	.00	72.46	545.13

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 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 FPHS ER RALEIGH FIA STUDY
 T2 50 YR NATURAL
 T3 50 MINE CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	7.	0.	0.	.005000	.00	.0	0.	211.000	.000
J2	NPROF	IFLOT	FRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHVM	ITRACE
	4.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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SECTNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK	ELEV
Q	GLOB	OCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	ILC	ICONT	CORAR	TOPWID	ENDST	

*PROF 4

CHV# .200 CHV# .400

*SECTNO 200.000

200.00	7.43	214.43	.00	211.00	215.00	.54	.00	.00	215.76
1150.	0.	1150.	0.	0.	194.	0.	0.	0.	214.06
.00	.00	5.92	.41	.050	.050	.090	.000	207.06	552.19
.005011	0.	0.	0.	0	0	5	.00	33.23	530.43

*SECTNO 302.000

* NEW ADDED FOR BRIDGE N 4 SECTION R D ***

302.00	5.12	215.22	.00	.00	215.33	.17	.28	.08	214.46
1030.	0.	1029.	1.	1.	313.	4.	1.	0.	214.66
.01	.30	3.29	.24	.090	.050	.090	.000	206.10	434.35
.001201	124.	124.	124.	2	0	0	.00	65.28	499.63

*SECTNO 375.000

3301 HV CHANGED MORE THAN HVINS

*** SCS SECTION MI ***

SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
8215.00	5.22	233.72	.00	.00	233.76	.04	.01	.00	239.00
260.	0	260.	0.	0.	162.	0.	41.	19.	239.00
.70	.00	1.60	.06	.000	.050	.000	.000	228.50	134.90
.000473	25.	25.	25.	0	0	0	.00	36.06	170.96
0									
*SECD 8265.000									
8265.00	5.04	233.74	.00	.00	233.80	.06	.03	.01	236.70
210.	0.	210.	0.	0.	105.	0.	42.	19.	236.70
.71	.00	2.01	.06	.030	.050	.020	.000	229.70	67.96
.000666	50.	50.	50.	0	0	0	.00	26.13	54.09
0									
*SECD 8700.000									
*** SCS SECTION M13 DAM R13 ***									
8700.00	4.16	234.16	.00	.00	234.22	.07	.42	.00	238.00
170.	0.	170.	0.	0.	62.	0.	43.	19.	238.00
.77	.00	2.07	.00	.030	.050	.030	.000	230.00	68.84
.001123	435.	435.	435.	2	0	0	.00	24.31	33.16

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THIS RUN EXECUTED 12-03-88

 HEC2 RELEASE DATED NOV 76 UPDATED MAR 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 FFMS BR RALEIGH FIA STUDY
 T2 500 YR NATURAL
 T3 500 MINE CREEK

T1	ICHECK	ING	NINW	IDIR	STRT	METRIC	HVINS	G	WSEL	FO
	-10.	0.	0.	0.	.005000	.00	.0	0.	217.000	.000
T2	WROF	IFLOT	FRFS	XRECV	XSECH	FN	ALLOD	IBW	CHVM	ITRAC
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.030

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SECD	DEPTH	CWSEL	CRIVE	WEFLR	EQ	HV	IL	CLOSS	BANK	ELEV
0	GLOB	GRH	GRCS	ALOB	ACH	AROB	VCL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROB	XNL	XCH	XNR	WTH	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1994
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IEM-PC-XT VERSION AUGUST 1985

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

MINE CREEK RALEIGH NC

SUMMARY PRINTOUT

SECTN	CWSEL	Q	ELMIN	EG	HV	10K*G	VCH	TOPWID
238.000	215.60	1500.00	207.06	216.22	.62	47.40	6.33	43.86
238.000	216.60	1500.00	207.96	217.05	.45	23.29	5.39	57.97
238.000	212.46	620.00	207.06	212.65	.36	50.21	4.96	31.26
238.000	214.49	1150.00	207.06	215.10	.54	50.11	5.92	38.23
238.000	217.64	2900.00	207.96	216.74	.90	50.53	8.01	161.64
362.000	216.38	1330.00	206.10	216.57	.19	11.34	3.55	101.26
362.000	217.12	1330.00	206.10	217.28	.16	8.44	3.26	60.00
362.000	213.05	550.00	206.10	213.15	.10	10.15	2.55	41.95
362.000	215.22	1630.00	206.10	215.39	.17	12.01	3.26	65.28
362.000	218.82	2770.00	206.10	219.16	.36	16.24	5.09	141.39
390.000	215.64	1330.00	206.60	217.07	1.23	173.91	6.91	36.29
390.000	216.31	1330.00	208.60	217.52	.77	62.68	7.09	50.42
390.000	212.41	550.00	206.60	213.89	1.46	339.77	9.75	19.28
390.000	214.53	1010.00	208.60	216.00	1.47	237.74	9.73	29.71
390.000	217.96	2770.00	208.60	219.31	1.94	162.13	11.44	110.74
407.000	217.24	1330.00	206.46	217.33	.69	6.73	2.39	107.67
407.000	217.61	1330.00	206.46	217.74	.14	9.21	2.99	60.00
407.000	214.15	550.00	206.46	214.21	.66	8.49	2.00	72.46
407.000	216.23	1050.00	206.46	216.31	.63	8.36	2.15	113.67
407.000	219.19	2770.00	206.46	220.31	.12	5.75	2.92	256.25
416.000	217.24	1330.00	206.46	217.33	.69	6.73	2.39	107.67
416.000	217.61	1330.00	206.46	217.75	.14	9.18	2.99	60.00
416.000	214.15	550.00	206.46	214.22	.66	8.49	2.00	72.46
416.000	216.24	1050.00	206.46	216.32	.60	8.05	2.29	113.92
416.000	219.19	2770.00	206.46	220.31	.12	5.74	2.92	256.32

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SECTN	CWSEL	Q	ELMIN	EG	HV	10K*G	VCH	TOPWID
485.000	217.21	1330.00	207.06	217.47	.26	15.27	4.13	153.05
480.000	217.62	1330.00	207.96	217.63	.26	13.73	4.11	60.00

488.000	214.18	550.00	207.06	214.32	.14	13.66	3.00	36.70
488.000	216.22	1030.00	207.06	216.46	.24	16.10	3.92	97.23
488.000	220.15	2770.00	207.06	220.44	.29	13.37	4.95	103.76
500.000	216.97	1330.00	208.60	217.69	.72	74.23	6.85	55.21
500.000	217.45	1330.00	208.60	213.04	.53	53.99	6.21	51.54
500.000	213.96	550.00	208.60	214.53	.57	96.11	6.07	24.86
500.000	216.00	1030.00	208.60	216.68	.68	32.34	6.63	41.23
500.000	219.92	2770.00	208.60	220.64	.72	47.86	7.47	146.25
700.000	213.32	1330.00	208.90	216.78	.44	36.57	5.45	111.03
700.000	218.48	1330.00	208.90	218.93	.45	34.94	5.42	52.82
700.000	215.54	550.00	208.90	215.93	.29	43.36	4.29	33.71
700.000	217.40	1030.00	208.90	217.67	.39	36.58	5.07	68.30
700.000	221.94	2770.00	208.90	221.46	.51	31.79	6.45	153.94
1300.000	219.80	1330.00	209.20	219.95	.16	11.46	3.36	93.51
1300.000	220.01	1330.00	209.30	220.23	.22	13.72	3.74	51.37
1300.000	216.91	500.00	209.60	217.05	.09	10.63	2.43	74.03
1300.000	218.89	940.00	209.80	219.31	.12	9.95	2.90	93.23
1300.000	222.45	2500.00	209.60	222.68	.23	12.61	4.20	117.98
1800.000	220.40	1330.00	210.70	220.58	.18	13.44	3.55	97.46
1800.000	220.72	1300.00	210.70	220.98	.20	15.00	3.65	51.09
1800.000	217.55	500.00	210.70	217.65	.11	13.67	2.65	70.33
1800.000	219.43	940.00	210.70	219.57	.14	12.44	3.14	90.09
1800.000	223.10	2500.00	210.70	223.35	.25	13.95	4.35	116.23
1900.000	220.50	1200.00	210.60	220.71	.15	11.09	3.24	97.86
1900.000	220.90	1290.00	210.80	221.09	.19	12.27	3.50	51.22
1900.000	217.69	475.00	210.80	217.77	.09	11.90	2.49	70.84
1900.000	219.57	975.00	210.80	219.69	.12	10.51	2.90	90.97
1900.000	223.23	2310.00	210.80	223.49	.20	11.51	3.97	116.82
1945.000	220.56	1000.00	210.90	220.79	.23	10.54	3.20	32.50
1945.000	220.95	1200.00	210.90	221.15	.22	9.29	3.74	31.00
1945.000	217.75	475.00	210.90	217.82	.07	5.20	2.17	32.00
1945.000	219.59	975.00	210.90	219.75	.15	7.36	3.15	32.00
1945.000	223.14	2310.00	210.90	223.33	.24	17.72	5.80	32.00
2055.000	220.59	1200.00	211.10	220.65	.24	11.12	3.95	32.00
2055.000	221.14	1200.00	211.10	221.35	.22	9.28	3.74	32.00
2055.000	217.70	475.00	211.10	217.84	.08	5.71	2.20	32.00
2055.000	219.51	975.00	211.10	219.77	.16	8.64	3.21	32.00
2055.000	224.23	2310.00	211.10	224.71	.27	14.02	5.50	32.00

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SECHO	UNSEL	Q	ELMIN	ES	GV	10KVS	VCH	TOPWTD
2100.000	220.75	1200.00	211.80	220.91	.13	14.91	3.09	189.30
2100.000	221.25	1200.00	211.80	221.41	.18	15.40	3.43	60.20
2100.000	217.76	475.00	211.80	217.93	.14	17.99	3.31	38.93
2100.000	219.63	975.00	211.80	219.82	.16	21.99	3.20	162.59

2100.000	224.74	2310.00	211.80	224.81	.07	4.12	2.44	244.13
2450.000	221.28	1130.00	212.50	221.42	.14	15.75	3.06	192.76
2430.000	221.75	1130.00	212.50	221.92	.17	15.10	3.33	60.00
2430.000	218.36	450.00	212.50	218.49	.13	17.50	2.93	33.71
2430.000	220.41	620.00	212.50	220.54	.13	19.62	2.97	163.49
2430.000	224.89	2150.00	212.50	224.96	.07	4.72	2.50	240.55
2930.000	222.21	1050.00	214.00	222.33	.18	23.51	3.44	173.52
2930.000	222.52	1050.00	214.00	222.77	.19	19.29	3.51	60.00
2930.000	219.35	425.00	214.00	219.50	.16	23.36	3.16	37.69
2930.000	221.51	775.00	214.00	221.67	.16	26.22	3.19	150.58
2930.000	225.17	2000.00	214.00	225.27	.11	8.14	2.95	232.74
3410.000	223.22	900.00	215.60	223.35	.13	17.05	3.38	326.38
3410.000	223.37	950.00	215.60	223.84	.27	24.39	4.23	60.00
3410.000	220.59	400.00	215.60	220.79	.20	30.67	3.56	31.34
3410.000	222.59	720.00	215.60	222.74	.14	18.64	3.26	260.82
3410.000	225.58	1350.00	215.60	225.64	.06	6.70	2.72	354.22
3840.000	223.96	326.00	216.00	224.16	.20	13.33	3.82	324.53
3840.000	224.51	920.00	216.00	224.75	.23	18.12	3.53	60.00
3840.000	221.66	330.00	216.00	221.89	.13	17.97	2.95	31.96
3840.000	223.37	675.00	216.00	223.56	.13	16.69	3.50	226.26
3840.000	225.93	1720.00	216.00	226.00	.10	9.39	3.34	367.17
4280.000	224.70	850.00	217.00	224.78	.06	9.92	2.80	365.72
4280.000	225.20	550.00	217.00	225.49	.21	15.43	3.70	48.31
4280.000	222.41	360.00	217.00	222.52	.12	14.68	2.72	31.82
4280.000	224.16	625.00	217.00	224.19	.09	10.72	2.72	328.90
4280.000	226.32	1580.00	217.00	226.37	.06	6.97	2.73	369.87
5020.000	225.87	740.00	218.50	226.46	.09	74.35	6.15	40.15
5020.000	226.67	740.00	218.50	227.26	.09	41.00	5.03	42.64
5020.000	224.11	355.00	218.50	224.38	.27	50.10	4.13	22.74
5020.000	225.37	550.00	218.50	225.70	.41	56.27	5.11	24.66
5020.000	226.91	1380.00	218.50	226.93	1.12	122.48	3.73	97.39
5600.000	223.20	650.00	221.00	223.33	.17	13.33	3.37	130.13
5600.000	225.80	650.00	221.00	226.76	.10	15.12	3.24	41.38
5600.000	223.33	300.00	221.00	223.11	.12	15.45	2.80	30.25
5600.000	227.44	450.00	221.00	227.59	.15	17.82	3.10	36.40
5600.000	229.17	1130.00	221.00	229.30	.11	12.00	3.15	490.62

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SECH2	INSEL	D	ELMIN	EG	HW	LOK'S	VCH	TCPRID
6300.000	223.22	650.00	223.00	223.14	.22	29.09	3.80	41.20
6300.000	224.61	650.00	223.00	224.23	.21	27.46	3.72	41.75
6300.000	227.63	300.00	223.00	227.88	.17	32.15	3.29	29.00
6300.000	228.53	420.00	223.00	228.18	.20	29.10	3.55	35.75
6300.000	231.20	1130.00	223.00	231.54	.05	45.20	4.65	261.02

6800.000	231.30	470.00	224.00	231.46	.16	22.59	3.21	37.59
6800.000	231.33	470.00	224.00	231.49	.16	22.12	3.18	37.77
6800.000	229.22	240.00	224.00	229.36	.14	30.02	3.01	27.58
6800.000	230.41	370.00	224.00	230.57	.16	25.87	3.21	32.53
6800.000	233.10	810.00	224.00	233.26	.18	23.79	3.46	220.72
7300.000	232.30	390.00	226.20	232.42	.12	15.65	2.77	33.43
7300.000	232.31	390.00	226.20	232.43	.12	15.49	2.76	33.47
7300.000	230.50	210.00	226.20	230.59	.10	19.67	2.48	28.97
7300.000	231.55	320.00	226.20	231.66	.12	19.12	2.75	31.57
7300.000	234.09	660.00	226.20	234.25	.16	15.63	3.22	37.88
7600.000	233.13	320.00	227.20	233.29	.15	21.72	3.11	27.54
7600.000	233.19	320.00	227.20	233.34	.15	21.60	3.10	27.56
7600.000	231.67	200.00	227.20	231.82	.15	30.92	3.09	23.19
7600.000	232.55	260.00	227.20	232.69	.14	23.55	3.02	25.71
7600.000	234.92	510.00	227.20	235.09	.17	17.94	3.23	32.56
8100.000	233.99	320.00	228.20	234.16	.17	35.19	3.31	33.80
8100.000	233.97	320.00	228.20	234.16	.17	35.13	3.31	33.89
8100.000	232.64	200.00	228.20	232.80	.16	34.38	3.21	21.64
8100.000	233.35	260.00	228.20	233.52	.17	31.33	3.31	24.78
8100.000	235.53	510.00	228.20	235.71	.17	23.97	3.32	39.75
8150.000	234.15	320.00	228.40	234.33	.17	35.65	3.34	33.20
8150.000	234.16	320.00	228.40	234.34	.17	35.59	3.34	33.28
8150.000	232.87	200.00	228.40	232.98	.16	35.51	3.25	21.40
8150.000	233.51	260.00	228.40	233.68	.17	32.92	3.35	24.59
8150.000	235.85	510.00	228.40	235.83	.18	25.68	3.40	29.42
8190.000	234.36	320.00	228.50	234.40	.05	5.12	1.72	39.98
8190.000	234.36	320.00	228.50	234.41	.05	5.11	1.72	40.00
8190.000	233.01	200.00	228.50	233.05	.03	4.41	1.45	33.96
8190.000	233.71	260.00	228.50	233.75	.04	4.78	1.61	35.96
8190.000	235.83	510.00	228.50	235.90	.07	5.70	2.05	43.58
8215.000	234.37	320.00	228.50	234.42	.05	5.08	1.71	40.07
8215.000	234.37	320.00	228.50	234.42	.05	5.08	1.71	40.09
8215.000	233.81	200.00	228.50	233.86	.03	4.36	1.45	33.93
8215.000	233.72	260.00	228.50	233.78	.04	4.73	1.60	36.96
8215.000	235.85	510.00	228.50	235.92	.07	5.85	2.05	43.62

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SECHO	CWCEL	C	ELMIN	EG	H7	10K*5	VCH	TOPWID
8265.000	234.39	250.00	228.70	234.46	.06	8.07	2.04	26.09
8265.000	234.39	250.00	228.70	234.46	.06	8.05	2.04	26.10
8265.000	233.84	130.00	228.70	233.10	.07	10.81	2.07	24.63
8265.000	233.74	210.00	228.70	233.80	.05	5.66	2.01	36.13
8265.000	235.68	370.00	228.70	235.95	.08	7.65	2.21	32.54
8700.000	234.75	190.00	230.00	234.60	.05	7.65	1.85	25.50
8700.000	234.75	180.00	230.00	234.81	.05	7.84	1.85	25.51

8700.000	233.57	150.00	230.00	233.65	.07	14.92	2.13	23.14
8700.000	254.16	170.00	230.00	234.22	.07	11.25	2.07	24.21
8700.000	236.20	230.00	230.00	236.24	.04	5.07	1.68	29.59

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MINE CREEK RALEIGH NC

SUMMARY PRINTOUT TABLE 100

SECON	EGLWC	ELLC	EGPRS	ELTRD	OPR	QWEIR	CLASS	HD	DEPTH	CWSEL	VCH	EG
2055.000	220.83	221.10	.00	228.20	1200.00	.00	1.00	.03	9.49	220.59	3.95	220.83
2055.000	221.19	221.10	221.35	228.20	1200.00	.00	10.00	.03	10.04	221.14	3.74	221.35
2055.000	217.84	221.10	.00	228.20	475.00	.00	1.00	.01	6.66	217.76	2.23	217.84
2055.000	219.77	221.10	.00	228.20	875.00	.00	1.00	.02	8.51	219.61	3.21	219.77
2055.000	223.79	221.10	224.70	228.20	2310.00	.00	10.00	.09	13.13	224.23	5.50	224.70
8215.000	234.42	245.90	.00	248.00	320.00	.00	1.00	.01	5.87	234.37	1.71	234.42
8215.000	254.42	245.90	.00	248.00	320.00	.00	1.00	.01	5.87	234.37	1.71	234.42
8215.000	233.96	245.90	.00	248.00	200.00	.00	1.00	.01	4.52	233.02	1.45	233.06
8215.000	233.76	245.90	.00	248.00	260.00	.00	1.00	.01	5.22	233.72	1.60	233.76
8215.000	235.92	245.90	.00	248.00	510.00	.00	1.00	.02	7.35	235.85	2.05	235.92

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MINE CREEK RALEIGH NC

SUMMARY PRINTOUT TABLE 110

SECON	CWSEL	DIFAW	EG	ICFWID	CLOB	OCH	GROB	PERENC	STENCL	STCHL	STCHR	STENCR
238.000	216.60	.00	216.22	43.86	.00	1496.33	3.67	.00	.00	550.00	589.00	.00
238.000	216.60	1.00	217.35	57.97	5.97	1483.27	10.76	60.00	539.50	550.00	599.00	599.50
238.000	212.46	3.46	212.85	31.26	.00	620.00	.00	.00	.00	550.00	589.00	.00
238.000	214.49	3.49	215.00	36.23	.00	1149.88	.12	.00	.00	550.00	589.00	.00
238.000	217.84	.84	218.74	161.64	264.34	2594.09	41.57	.00	.00	550.00	589.00	.00
362.000	216.30	.00	216.57	101.28	4.73	1305.84	19.43	.00	.00	438.00	485.00	.00
362.000	217.12	.74	217.23	60.60	8.56	1310.93	10.56	60.00	431.50	438.00	485.00	491.50
362.000	213.05	.00	213.15	41.96	.00	550.00	.00	.00	.00	438.00	485.00	.00
362.000	215.21	.00	215.30	65.28	.41	1028.59	1.00	.00	.00	438.00	485.00	.00
362.000	218.81	.00	219.19	141.99	57.81	2457.27	254.91	.00	.00	438.00	485.00	.00
390.000	215.84	.00	217.07	38.29	.00	1330.00	.00	.00	.00	270.00	308.00	.00
390.000	216.01	.37	217.50	50.42	8.56	1321.01	.43	60.00	259.00	270.00	308.00	319.00
390.000	212.41	.00	213.89	19.28	.00	550.00	.00	.00	.00	270.00	308.00	.00
390.000	214.53	.00	216.30	28.71	.00	1030.00	.00	.00	.00	270.00	308.00	.00
390.000	217.98	.00	217.92	110.74	122.53	2641.10	6.57	.00	.00	270.00	308.00	.00

407.000	217.24	.00	217.33	187.67	14.01	1309.20	6.79	.00	.00	465.00	563.00	.00
407.000	217.61	.37	217.74	60.00	.00	1330.00	.00	60.00	484.50	466.00	563.00	544.50
407.000	214.15	.00	214.21	72.46	.00	550.00	.00	.00	.00	466.00	563.00	.00
407.000	216.23	.00	216.31	113.67	1.62	1028.38	.00	.00	.00	466.00	563.00	.00
407.000	220.19	.90	220.31	256.25	177.25	2428.43	164.32	.00	.00	466.00	563.00	.00
416.000	217.24	.00	217.33	187.53	13.98	1309.26	6.76	.00	.00	466.00	563.00	.00
416.000	217.61	.37	217.75	60.00	.00	1330.00	.00	60.00	484.50	466.00	563.00	544.50
416.000	214.15	.00	214.22	72.46	.00	550.00	.00	.00	.00	466.00	563.00	.00
416.000	216.24	.00	216.32	113.92	1.66	1028.34	.00	.00	.00	466.00	563.00	.00
416.000	220.19	.00	220.31	256.32	177.70	2427.73	164.57	.00	.00	466.00	563.00	.00
483.000	217.21	.00	217.47	153.05	63.52	1252.39	14.09	.00	.00	550.00	589.00	.00
483.000	217.62	.41	217.88	60.00	15.65	1295.20	19.15	60.00	539.50	550.00	589.00	599.50
483.000	214.18	.00	214.32	36.70	.00	550.00	.00	.00	.00	550.00	589.00	.00
483.000	216.22	.00	216.46	97.23	2.96	1021.75	5.29	.00	.00	550.00	589.00	.00
483.000	223.15	.00	220.44	183.76	643.00	2049.33	77.67	.00	.00	550.00	589.00	.00
500.000	216.57	.00	217.09	59.21	11.35	1317.95	.66	.00	.00	270.00	308.00	.00
500.000	217.45	.43	218.04	51.54	20.07	1308.28	1.65	60.00	259.00	270.00	308.00	319.00
500.000	213.96	.00	214.53	24.86	.00	550.00	.00	.00	.00	270.00	308.00	.00
500.000	216.00	.00	216.68	41.28	.11	1029.89	.00	.00	.00	270.00	308.00	.00
500.000	219.92	.00	220.64	146.25	472.96	2275.13	21.91	.00	.00	270.00	308.00	.00
700.000	218.31	.00	218.76	111.83	61.16	1265.59	3.26	.00	.00	270.00	308.00	.00
700.000	218.40	.17	218.93	52.82	32.31	1293.76	3.93	60.00	259.00	270.00	308.00	319.00
700.000	215.54	.00	215.83	33.71	.00	550.00	.00	.00	.00	270.00	308.00	.00
700.000	217.40	.00	217.87	88.90	13.61	1015.60	.79	.00	.00	270.00	308.00	.00
700.000	220.94	.00	221.46	159.94	506.30	2143.26	30.43	.00	.00	270.00	308.00	.00

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SECON	ORSEL	DIF WS	ER	TOPWID	CLCS	OCN	OROP	FEREIN	STENCL	STCHL	STCHR	STENCR
1300.000	219.80	.00	219.95	93.51	160.44	1131.55	.00	.00	.00	140.00	198.00	.00
1300.000	220.81	.21	220.29	51.37	2.35	1297.65	.00	60.00	139.00	140.00	198.00	199.00
1300.000	216.96	.00	217.05	74.03	12.67	487.32	.00	.00	.00	140.00	198.00	.00
1300.000	219.80	.00	219.01	93.23	91.71	848.29	.00	.00	.00	140.00	198.00	.00
1300.000	222.45	.90	222.66	117.93	508.02	1991.97	.00	.00	.00	140.00	198.00	.00
1800.000	220.40	.00	220.59	97.40	155.45	1144.55	.00	.00	.00	140.00	198.00	.00
1800.000	220.72	.31	220.95	51.09	2.33	1297.67	.00	60.00	139.00	140.00	198.00	199.00
1800.000	217.55	.00	217.65	70.33	7.75	492.25	.00	.00	.00	140.00	198.00	.00
1800.000	219.43	.00	219.57	90.69	78.51	881.49	.00	.00	.00	140.00	198.00	.00
1800.000	223.10	.60	223.35	116.23	493.24	2006.76	.00	.00	.00	140.00	198.00	.00
1900.000	220.50	.00	220.71	97.66	145.39	1054.11	.00	.00	.00	140.00	198.00	.00
1900.000	220.93	.34	221.09	51.22	2.16	1197.84	.00	60.00	139.00	140.00	198.00	199.00
1900.000	217.69	.00	217.78	70.84	7.98	467.02	.00	.00	.00	140.00	198.00	.00
1900.000	219.57	.00	219.69	90.97	74.45	800.55	.00	.00	.00	140.00	198.00	.00
1900.000	223.20	.00	223.49	116.32	460.42	1849.53	.00	.00	.00	140.00	198.00	.00
1945.000	220.56	.00	220.79	32.01	.00	1200.00	.00	.00	.00	151.00	183.00	.00
1945.000	220.93	.37	221.15	32.00	.00	1200.00	.00	60.00	137.00	151.00	183.00	197.00

1945.000	217.75	.00	217.82	32.00	.00	475.00	.00	.00	.00	151.00	183.00	.00
1945.000	219.59	.00	215.75	32.00	.00	875.00	.00	.00	.00	151.00	183.00	.00
1945.000	223.14	.00	223.68	32.00	.00	2310.00	.00	.00	.00	151.00	183.00	.00
2055.000	220.59	.00	220.83	32.00	.00	1290.00	.00	.00	.00	151.00	183.00	.00
2055.000	221.14	.54	221.35	32.00	.00	1200.00	.00	60.00	137.00	151.00	153.00	197.00
2055.000	217.76	.00	217.84	32.00	.00	475.00	.00	.00	.00	151.00	183.00	.00
2055.000	219.61	.00	219.77	32.00	.00	975.00	.00	.00	.00	151.00	183.00	.00
2055.000	224.23	.00	224.70	32.00	.00	2310.00	.00	.00	.00	151.00	183.00	.00
2100.000	220.78	.00	220.91	199.30	78.32	1082.03	39.65	.00	.00	150.00	225.00	.00
2100.000	221.23	.45	221.41	60.00	.00	1200.00	.00	60.00	157.50	150.00	225.00	217.50
2100.000	217.76	.00	217.90	33.93	.00	475.00	.00	.00	.00	150.00	225.00	.00
2100.000	219.65	.00	219.63	162.59	8.37	858.64	7.92	.00	.00	150.00	225.00	.00
2100.000	224.74	.00	224.81	244.13	545.46	1583.23	181.51	.00	.00	150.00	225.00	.00
2430.000	221.28	.00	221.42	192.76	61.66	1035.46	32.89	.00	.00	150.00	225.00	.00
2430.000	221.75	.46	221.92	60.00	.00	1130.00	.00	60.00	157.50	150.00	225.00	217.50
2430.000	218.36	.00	218.49	38.71	.00	450.00	.00	.00	.00	150.00	225.00	.00
2430.000	220.41	.00	220.54	163.49	8.72	803.31	7.97	.00	.00	150.00	225.00	.00
2430.000	224.83	.00	224.96	240.55	474.53	1515.42	160.00	.00	.00	150.00	225.00	.00
2930.000	222.21	.00	222.38	173.50	25.42	1007.25	17.32	.00	.00	150.00	225.00	.00
2930.000	222.58	.37	222.77	60.00	.00	1050.00	.00	60.00	157.50	150.00	225.00	217.50
2930.000	219.35	.00	219.50	37.69	.00	425.00	.00	.00	.00	150.00	225.00	.00
2930.000	221.51	.00	221.67	150.53	.05	768.29	1.66	.00	.00	150.00	225.00	.00
2930.000	225.17	.00	225.27	232.74	356.28	1516.13	127.59	.00	.00	150.00	225.00	.00

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SEINO	CHSEL	DIFAWS	EG	TOPWID	CL08	DCH	OR08	PERENC	STEMPL	STCHL	STCHR	STENCR
3410.000	223.22	.00	223.35	326.38	215.30	720.25	43.54	.00	.00	300.00	341.00	.00
3410.000	223.57	.35	223.84	60.00	14.77	959.21	6.03	60.00	290.50	300.00	341.00	350.50
3410.000	220.59	.00	220.79	31.34	.00	400.00	.00	.00	.00	300.00	341.00	.00
3410.000	222.59	.00	222.74	260.82	100.24	611.62	3.14	.00	.00	300.00	341.00	.00
3410.000	225.55	.00	225.84	354.22	723.33	842.57	283.60	.00	.00	300.00	341.00	.00
3840.000	223.96	.00	224.16	324.53	12.00	799.35	108.65	.00	.00	143.00	180.00	.00
3840.000	224.51	.55	224.75	60.00	3.76	991.77	3.46	60.00	131.50	143.00	180.00	191.50
3840.000	221.66	.00	221.80	31.96	.00	380.00	.00	.00	.00	143.00	180.00	.00
3840.000	223.37	.00	223.56	226.26	.41	657.35	16.75	.00	.00	143.00	180.00	.00
3840.000	225.90	.00	226.00	367.17	154.18	933.02	627.80	.00	.00	143.00	180.00	.00
4280.000	224.70	.00	224.78	365.72	.00	576.72	273.21	.00	.00	17.00	50.00	.00
4280.000	225.28	.59	225.49	43.31	.49	634.98	14.53	60.00	3.50	17.00	50.00	63.50
4280.000	222.41	.00	222.52	31.02	.00	360.00	.00	.00	.00	17.00	50.00	.00
4280.000	224.10	.00	224.19	328.98	.00	506.95	118.05	.00	.00	17.00	50.00	.00
4280.000	226.32	.00	226.37	389.87	1.60	709.70	868.71	.00	.00	17.00	50.00	.00
5020.000	225.87	.00	226.45	40.15	.00	738.72	1.28	.00	.00	164.00	192.00	.00
5020.000	226.37	1.00	227.26	42.64	.00	734.61	5.39	60.00	148.00	164.00	192.00	208.00
5020.000	224.11	.00	224.38	22.74	.00	325.00	.00	.00	.00	164.00	192.00	.00
5020.000	225.37	.00	225.73	24.56	.00	550.00	.00	.00	.00	164.00	192.00	.00

5020.000	226.91	.00	228.02	97.99	.00	1224.15	75.85	.00	.00	164.00	192.00	.00
5600.000	228.35	.00	228.53	130.13	.00	640.61	9.39	.00	.00	130.00	173.00	.00
5600.000	228.60	.24	228.76	41.38	.04	649.96	.00	60.00	121.50	130.00	173.00	181.50
5600.000	225.98	.00	226.11	30.28	.00	300.00	.00	.00	.00	130.00	173.00	.00
5600.000	227.44	.00	227.59	36.40	.00	480.00	.00	.00	.00	130.00	173.00	.00
5600.000	229.87	.00	229.98	490.62	.76	805.78	373.47	.00	.00	130.00	173.00	.00
6300.000	229.92	.00	230.14	41.20	.00	650.00	.00	.00	.00	215.00	270.00	.00
6300.000	230.01	.09	230.23	41.75	.00	650.00	.00	60.00	212.50	215.00	270.00	272.50
6300.000	227.63	.00	227.80	29.30	.00	300.00	.00	.00	.00	215.00	270.00	.00
6300.000	228.98	.00	229.18	35.73	.00	480.00	.00	.00	.00	215.00	270.00	.00
6300.000	231.20	.00	231.54	261.32	35.82	1123.48	20.70	.00	.00	215.00	270.00	.00
6800.000	231.30	.00	231.46	37.59	.00	470.00	.00	.00	.00	215.00	270.00	.00
6800.000	231.33	.03	231.43	37.77	.00	470.00	.00	60.00	212.50	215.00	270.00	272.50
6800.000	229.22	.00	229.36	27.58	.00	240.00	.00	.00	.00	215.00	270.00	.00
6800.000	230.41	.00	230.57	32.53	.00	370.00	.00	.00	.00	215.00	270.00	.00
6800.000	233.10	.00	233.28	220.72	19.77	780.88	9.35	.00	.00	215.00	270.00	.00
7300.000	232.30	.00	232.42	33.43	.00	330.00	.00	.00	.00	690.00	729.00	.00
7300.000	232.31	.02	232.43	33.47	.00	330.00	.00	60.00	679.50	690.00	729.00	739.50
7300.000	230.50	.00	230.59	28.97	.00	210.00	.00	.00	.00	690.00	729.00	.00
7300.000	231.55	.00	231.66	31.57	.00	320.00	.00	.00	.00	690.00	729.00	.00
7300.000	234.05	.00	234.25	37.38	.00	660.00	.00	.00	.00	690.00	729.00	.00

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SECD	CHSEL	DIFKIR	EG	TOPWID	QLOB	QCH	QROB	FERENCE	STENCL	STCHL	STCHR	STENCR
7800.000	233.18	.00	233.33	27.54	.00	320.00	.00	.00	.00	235.00	280.00	.00
7800.000	233.19	.01	233.34	27.56	.00	320.00	.00	60.00	227.50	235.00	280.00	287.50
7800.000	231.67	.00	231.82	23.19	.00	200.00	.00	.00	.00	235.00	280.00	.00
7800.000	232.55	.00	232.69	25.71	.00	260.00	.00	.00	.00	235.00	280.00	.00
7800.000	234.92	.00	235.09	32.56	.00	510.00	.00	.00	.00	235.00	280.00	.00
8100.000	233.99	.00	234.16	33.89	.00	320.00	.00	.00	.00	120.00	180.00	.00
8100.000	233.99	.00	234.16	33.89	.00	320.00	.00	60.00	120.00	120.00	180.00	180.00
8100.000	232.64	.00	232.80	21.64	.00	200.00	.00	.00	.00	120.00	180.00	.00
8100.000	233.35	.00	233.52	24.73	.00	260.00	.00	.00	.00	120.00	180.00	.00
8100.000	235.53	.00	235.71	39.75	.00	510.00	.00	.00	.00	120.00	180.00	.00
8150.000	234.16	.00	234.33	33.26	.00	320.00	.00	.00	.00	120.00	180.00	.00
8150.000	234.16	.00	234.34	33.26	.00	320.00	.00	60.00	120.00	120.00	180.00	180.00
8150.000	232.82	.00	232.98	21.48	.00	200.00	.00	.00	.00	120.00	180.00	.00
8150.000	233.51	.00	233.68	24.59	.00	260.00	.00	.00	.00	120.00	180.00	.00
8150.000	235.65	.00	235.83	39.42	.00	510.00	.00	.00	.00	120.00	180.00	.00
8190.000	234.36	.00	234.40	39.98	.00	320.00	.00	.00	.00	118.00	191.00	.00
8190.000	234.36	.00	234.41	40.00	.00	320.00	.00	60.00	124.50	118.00	191.00	184.50
8190.000	233.01	.00	233.05	33.96	.00	200.00	.00	.00	.00	118.00	191.00	.00
8190.000	233.71	.00	233.75	35.98	.00	260.00	.00	.00	.00	118.00	191.00	.00
8190.000	235.83	.00	235.90	43.58	.00	510.00	.00	.00	.00	118.00	191.00	.00

8215.000	234.37	.00	234.42	40.07	.00	320.00	.00	.00	.00	118.00	191.00	.00
8215.000	234.27	.00	234.42	40.09	.00	320.00	.00	60.00	124.50	118.00	191.00	184.50
8215.000	233.02	.00	233.06	33.93	.00	200.00	.00	.00	.00	118.00	191.00	.00
8215.000	233.72	.00	233.76	36.06	.00	260.00	.00	.00	.00	118.00	191.00	.00
8215.000	235.85	.00	235.92	43.62	.00	510.00	.00	.00	.00	118.00	191.00	.00
8265.000	234.79	.00	234.46	28.05	.00	250.00	.00	.00	.00	65.00	100.00	.00
8265.000	234.33	.00	234.45	23.10	.00	250.00	.00	60.00	52.50	65.00	100.00	112.50
8265.000	233.04	.00	233.10	24.68	.00	160.00	.00	.00	.00	65.00	100.00	.00
8265.000	233.74	.00	233.80	26.13	.00	210.00	.00	.00	.00	65.00	100.00	.00
8265.000	235.88	.00	235.55	32.54	.00	370.00	.00	.00	.00	65.00	100.00	.00
8700.000	234.75	.00	234.80	25.50	.00	160.00	.00	.00	.00	65.00	100.00	.00
8700.000	234.75	.00	234.81	25.51	.00	180.00	.00	60.00	52.50	65.00	100.00	112.50
8700.000	233.57	.00	233.65	23.14	.00	150.00	.00	.00	.00	65.00	100.00	.00
8700.000	234.16	.00	234.22	24.31	.00	170.00	.00	.00	.00	65.00	100.00	.00
8700.000	236.20	.00	236.24	29.59	.00	230.00	.00	.00	.00	65.00	100.00	.00

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MINE CREEK RALEIGH NC

SUMMARY PRINTOUT TABLE 150

SECD	ALCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRINS	EG	10K*5	VCH	AREA	.01K
238.000	.00	.00	.00	207.06	1500.00	215.60	.00	216.22	47.40	6.33	240.29	217.87
238.000	.00	.00	.00	207.06	1500.00	216.60	.00	217.05	28.28	5.39	294.38	282.09
238.000	.00	.00	.00	207.06	620.00	212.46	.00	212.65	50.21	4.96	124.98	87.50
238.000	.00	.00	.00	207.06	1150.00	214.49	.00	215.03	50.11	5.92	194.65	162.46
238.000	.00	.00	.00	207.06	2900.00	217.84	.00	218.74	50.33	8.01	513.52	408.76
362.000	124.00	.00	.00	206.10	1330.00	216.38	.00	216.57	11.34	3.55	415.30	395.00
362.000	124.00	.00	.00	206.10	1330.00	217.12	.00	217.28	8.44	3.26	430.77	457.70
362.000	124.00	.00	.00	206.10	550.00	213.05	.00	213.15	10.15	2.55	215.35	172.66
362.000	124.00	.00	.00	206.10	1030.00	215.22	.00	215.39	12.01	3.28	318.68	297.20
362.000	124.00	.00	.00	206.10	2770.00	218.82	.00	219.18	16.24	5.09	718.64	687.39
390.000	28.00	.00	.00	208.60	1330.00	215.84	.00	217.07	173.91	8.91	145.35	100.85
390.000	28.00	.00	.00	208.60	1330.00	216.81	.00	217.58	82.88	7.09	194.47	146.09
390.000	28.00	.00	.00	208.60	550.00	212.41	212.41	213.89	339.77	9.75	56.41	29.84
390.000	28.00	.00	.00	208.60	1030.00	214.53	.00	216.00	237.74	9.73	105.84	66.80
390.000	28.00	.00	.00	208.60	2770.00	217.98	217.92	219.92	162.13	11.44	290.36	217.54
407.000	16.00	.00	.00	206.46	1330.00	217.24	.00	217.33	6.78	2.39	607.33	510.89
407.000	16.00	.00	.00	206.46	1330.00	217.61	.00	217.74	9.21	2.99	445.35	438.30
407.000	16.00	.00	.00	206.46	550.00	214.15	.00	214.21	8.49	2.03	271.18	188.80
407.000	16.00	.00	.00	206.46	1030.00	216.23	.00	216.31	8.08	2.29	454.74	362.26
407.000	16.00	.00	.00	206.46	2770.00	220.19	.00	220.31	5.75	2.92	1264.40	1155.03
416.000	9.00	.00	.00	206.46	1330.00	217.24	.00	217.33	6.79	2.39	606.97	510.58
416.000	9.00	.00	.00	206.46	1330.00	217.61	.00	217.75	9.18	2.98	445.72	438.86
416.000	9.00	.00	.00	206.46	550.00	214.15	.00	214.22	8.49	2.03	271.18	188.80