

MULBERRY

~~CREEK~~

 IIEC2 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-XI VERSION AUGUST 1985

THIS RUN EXECUTED 02-26-86 00:15:23

C
 T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: NC,HEC ENG: SKE EA: KHC,EKL,DLY COAH 2320
 T3 MULBERRY CREEK DATE: 2/26/86 10-YEAR EVENT

J1 ICHECK INQ MINV IDIR STRT METRIC HVINS Q USEL FQ
 0. 2. 0. 0. .002400 .00 .0 .0 93.000 .000
 J2 HPROF IPLOT PRFVS XSECV XSECH FH ALLDC IBW CHRIM ITRAGE
 1.000 1.000 -1.000 .000 .000 .000 .000 .000 .000 .000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

150.000 201.000 .000 .000 .000 .000 .000 .000 .000 .000
 J6 IHLEA 1COPY
 1.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

QT 6.000 4529.000 8735.000 12846.000 27820.000 6010.000 12846.000 .000 .000 .000
 NC .000 .000 .000 .300 .500 .000 .000 .000 .000 .000
 NH 6.000 1.000 4596.000 .150 4856.000 .098 5000.000 .063 5042.000 .098
 NH 5042.000 1.050 5955.000 .000 .000 .000 .000 .000 .000 .000
 ET .000 .000 .000 .000 .000 .000 .000 8.110 4670.000 5060.000 .000

MULBERRY CREEK

FID: 1 2 3 4 5 6 7
 QT 10-YR 50-YR 100-YR 500-YR 25-YR 100-YR FLOODWAY
 1977

ADD 1000 FEET TO OBTAIN TRUE ELEVATION

FIRST X-SECTION FOR BRIDGE # 1, SR 1338.

X1	140.000	27.000	5000.000	5042.000	140.000	140.000	140.000	140.000	140.000	85.010	86.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	2.000	90.210	4596.000	4114.500	4856.000	100.000	100.000	100.000	100.000	4144.500	96.000	4332.000
GR	112.000	4104.500	108.000	87.030	104.000	5000.000	5000.000	5000.000	5000.000	80.320	79.560	5010.000
GR	92.000	4410.000	88.000	4820.000	85.010	5040.000	5040.000	5040.000	5040.000	81.450	83.910	5042.000
GR	79.330	5020.000	78.410	5030.000	79.180	5102.000	5102.000	5102.000	5102.000	80.000	84.000	5142.000
GR	86.000	5062.000	84.000	5092.000	80.000	5170.000	5170.000	5170.000	5170.000	97.000	96.000	5705.000
GR	88.000	5150.000	92.000	5162.000	96.000							

NH	6.000	1.000	4596.000	.150	4856.000	.108	5000.000	.063	5042.000	.108
NH	5062.000	1.000	5955.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4670.000	5060.000	.000

LAST X-SECTION FOR BRIDGE # 1, SR 133B

X1	197.000	.000	.000	.000	37.000	37.000	37.000	.000	.190	.000
X4	2.000	90.400	4596.000	87.220	4856.000	.000	.000	.000	.000	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	6.000	1.000	5595.000	.150	6165.000	.108	6561.000	.063	6646.000	.108
NH	6826.000	.170	7007.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.410	.000	.000	.000

X-SECTION HA

X1	2210.000	57.000	6561.000	6646.000	1503.000	2013.000	2013.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	120.000	5000.000	112.000	5050.000	108.000	5080.000	112.000	94.000	94.000	.000
GR	112.000	5265.000	110.000	5300.000	108.000	5335.000	107.000	5100.000	113.000	.000
GR	104.000	5500.000	102.000	5535.000	100.000	5565.000	96.000	5395.000	105.000	.000
GR	96.000	5595.000	100.000	5610.000	100.000	5635.000	100.000	5575.000	95.000	.000
GR	98.000	5825.000	98.000	5915.000	97.000	6000.000	96.000	5665.000	99.000	.000
GR	92.000	6135.000	88.000	6140.000	86.600	6150.000	88.000	6075.000	94.000	.000
GR	92.000	6190.000	93.000	6265.000	87.000	6390.000	94.000	6155.000	92.000	.000
GR	92.000	6561.000	89.000	6565.000	87.000	6567.000	85.000	6475.000	92.000	.000
GR	85.500	6591.000	86.500	6601.000	87.000	6607.000	88.000	6571.000	86.000	.000
GR	92.000	6646.000	94.000	6666.000	96.000	6696.000	97.000	6609.000	89.000	.000
GR	98.000	6864.000	100.000	6884.000	102.000	6904.000	104.000	6766.000	98.000	.000
GR	108.000	6987.000	112.000	7007.000	.000	.000	.000	6922.000	106.000	.000

FIRST X-SECTION FOR BRIDGE # 2, ABINGDON ROAD, SR 1310

QT	6.000	4496.000	8677.000	12766.000	27694.000	5967.000	12766.000	.000	.000	.000
NH	6.000	1.000	4698.000	.150	4888.000	.108	5000.000	.063	5140.000	.108
NH	5323.000	.180	5359.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4920.000	5185.000	.000
X1	3782.200	25.000	5000.000	5140.000	1812.200	1492.200	1572.200	.000	-1.090	.000
X4	3.000	104.110	4698.000	97.910	4828.000	106.900	5323.000	.000	.000	.000
GR	112.000	4550.000	108.000	4600.000	106.300	4640.000	106.000	4660.000	103.000	.000
GR	98.000	5000.000	97.000	5010.000	96.000	5025.000	93.800	5045.000	90.760	.000
GR	90.150	5090.000	89.810	5100.000	89.970	5111.500	89.970	5111.510	89.970	.000
GR	89.970	5112.000	89.970	5113.000	89.970	5113.010	89.970	5113.490	89.970	.000
GR	90.760	5119.000	96.700	5140.000	97.300	5150.000	99.000	5219.000	112.000	.000
HC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	6.000	1.000	4698.000	.150	4888.000	.108	5000.000	.063	5140.000	.108
NH	5323.000	.170	5359.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4940.000	5165.000	.000

X1	4365.200	.000	.000	583.000	583.000	583.000	.000	1.090	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	3.000	105.200	4698.000	4888.000	107.900	5323.000	.000	.000	.000
NH	3.000	.150	5000.000	5153.710	.170	5625.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	8.410	.000	.000	.000

BRIDGE # 2, ABINGDON RD. SR1310

X1	4366.200	41.000	5000.000	1.000	1.000	1.000	.000	.000	.000
BT	-41.000	4415.000	112.000	4660.000	110.000	110.000	110.000	110.000	110.000
BT	.000	4913.000	109.840	5000.000	109.650	100.600	5000.010	5000.000	100.600
BT	.000	5009.990	112.510	5010.000	112.510	106.250	5025.000	112.510	106.200
BT	.000	5045.000	112.510	5051.500	112.510	106.110	5051.510	112.510	103.610
BT	.000	5051.990	112.510	5052.000	112.510	93.790	5053.000	112.510	93.790
BT	.000	5053.010	112.510	5053.490	112.510	103.610	5053.500	112.510	106.110
BT	.000	5077.000	112.510	5090.000	112.510	106.100	5100.000	112.510	106.100
BT	.000	5111.500	112.510	5111.510	112.510	103.600	5111.990	112.510	103.600
BT	.000	5112.900	112.510	5113.000	112.510	89.970	5113.010	112.510	89.970
BT	.000	5113.490	112.510	5113.500	112.510	106.100	5119.000	112.510	106.120
BT	.000	5125.000	112.510	5143.700	112.510	106.230	5143.010	112.510	96.700
BT	.000	5150.000	112.510	5153.700	112.510	100.600	5153.710	109.760	100.600
BT	.000	5213.000	111.790	5219.000	112.000	105.000	5323.000	110.510	108.000
BT	.000	5359.000	110.000	5625.000	112.000	112.000	.000	.000	.000
GR	112.000	4415.000	110.000	4660.000	110.000	104.000	4913.000	100.600	5000.000
GR	100.600	5000.010	100.000	5009.990	100.000	98.800	5025.000	93.800	5045.000
GR	93.790	5051.500	93.790	5051.510	5051.990	93.790	5052.000	93.790	5053.000
GR	93.790	5053.010	93.790	5053.490	5053.500	90.760	5077.000	90.150	5090.000
GR	89.810	5100.000	89.970	5111.500	5111.510	89.970	5111.990	89.970	5112.000
GR	89.970	5113.000	89.970	5113.490	5113.490	89.970	5113.500	90.760	5119.000
GR	97.180	5125.000	96.700	5143.000	5143.010	100.000	5150.000	100.600	5153.700
GR	100.600	5153.710	104.000	5213.000	5219.000	108.000	5323.000	110.000	5359.000
GR	112.000	5625.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.150	5000.000	5153.710	.170	5625.000	.000	.000	.000
X1	4393.800	.000	.000	27.600	27.600	27.600	.000	.000	.000
X2	.000	.000	.000	.000	.000	1.000	.000	.000	.000

NH	3.000	.170	5000.000	5143.000	.170	5625.000	.000	.000	.000
X1	4394.800	20.000	5000.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	112.000	4415.000	110.000	4660.000	110.000	104.000	4913.000	100.600	5000.000
GR	100.000	5010.000	98.800	5025.000	94.000	90.760	5077.000	90.150	5090.000
GR	89.810	5100.000	89.970	5112.000	5112.000	97.200	5125.000	97.400	5143.000
GR	100.000	5150.000	105.000	5219.000	108.000	110.000	5359.000	112.000	5625.000
NH	3.000	.170	5000.000	5143.000	.170	5625.000	.000	.000	.000

LAST X-SECTION FOR BRIDGE # 2, ABINGDON RD. SR 1310

MC	.000	.000	.300	.500	.000	.000	.000	.000	.000	.000	.000	.000
NH	7.000	4594.500	.200	4932.000	.113	5000.010	.060	5044.000	.000	.000	.000	.000
NH	5272.000	5656.600	1.000	5825.400	.000	8.110	.000	5300.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	161.400	.000	109.650	.000	.000	.000	.000
X1	10853.000	.000	.000	161.400	.000	.000	.000	109.760	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	2.000	118.080	116.000	5272.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	7.000	4547.000	.200	4945.000	.113	5000.000	.060	5045.000	.000	.000	.000	.000
NH	5282.000	5656.600	1.000	5825.400	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	8.110	.000	4980.000	.000	.000	.000	.000

BRIDGE # 3, PRIVATE ACCESS ROAD

X1	10854.000	38.000	5000.000	5045.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.000
X4	2.000	133.690	4547.000	116.370	.000	.000	.000	.000	.000	.000	.000	.000
BT	-35.000	4382.200	170.000	4482.000	136.000	136.000	4594.500	132.000	132.000	132.000	132.000	.000
BT	.000	4707.000	128.000	4830.000	124.000	124.000	4920.000	120.000	120.000	120.000	120.000	.000
BT	.000	4945.000	116.000	4985.000	112.000	112.000	4990.000	111.450	111.450	111.450	111.450	.000
BT	.000	5000.000	109.900	5000.010	109.900	108.580	5001.000	109.900	109.900	108.580	109.900	.000
BT	.000	5001.010	110.160	5002.000	110.160	107.980	5019.990	109.590	109.590	107.270	107.980	.000
BT	.000	5020.000	109.590	5021.000	109.570	103.490	5022.000	109.600	109.600	103.490	103.490	.000
BT	.000	5022.010	109.600	5030.000	109.840	107.350	5040.000	110.150	110.150	107.950	107.950	.000
BT	.000	5042.600	110.230	5044.000	110.270	108.050	5044.010	109.860	109.860	109.040	109.860	.000
BT	.000	5044.990	109.860	5045.000	109.860	109.860	5050.000	111.430	111.430	111.430	111.430	.000
BT	.000	5075.300	112.000	5255.000	116.000	116.000	5545.000	120.000	120.000	120.000	120.000	.000
BT	.000	5637.800	124.000	5656.600	128.000	128.000	5769.100	132.000	132.000	132.000	132.000	.000
BT	.000	5800.400	136.000	5825.400	140.000	140.000	5825.400	128.000	128.000	140.000	140.000	.000
GR	140.000	4382.200	136.000	4482.000	132.000	128.000	4707.000	124.000	124.000	124.000	124.000	4830.000
GR	120.000	4920.000	116.000	4945.000	112.000	112.000	4990.000	109.900	109.900	109.900	109.900	5000.000
GR	108.580	5000.010	108.580	5001.000	107.980	107.980	5021.000	103.490	103.490	103.490	103.490	5022.000
GR	104.530	5002.020	103.490	5019.990	103.490	103.490	5040.000	108.050	108.050	108.050	108.050	5042.600
GR	103.490	5022.010	103.930	5030.000	104.850	104.850	5042.590	111.430	111.430	111.430	111.430	5050.000
GR	108.050	5044.000	109.040	5044.010	109.040	109.040	5045.000	128.000	128.000	128.000	128.000	5656.600
GR	112.000	5075.300	116.000	5255.000	120.000	120.000	5545.000	132.000	132.000	132.000	132.000	.000
GR	132.000	5769.100	136.000	5800.400	140.000	140.000	5825.400	128.000	128.000	128.000	128.000	.000

NH	7.000	1.000	4547.000	.200	4945.000	.113	5000.000	.060	5045.000	.113	.000	.000
NH	5282.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	4980.000	.000	5300.000	.000	.000	.000
X1	10866.000	.000	.000	.000	12.000	.000	12.000	.000	.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000	.000	.000
X4	2.000	133.690	4547.000	116.370	5282.000	.000	.000	.000	.000	.000	.000	.000
NH	7.000	1.000	4547.000	.200	4945.000	.113	5000.010	.060	5050.000	.113	.000	.000
NH	5282.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	.000	5300.000	.000	.000	.000
X1	10867.000	32.000	5000.010	5050.000	1.000	1.000	1.000	.000	109.760	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	2.000	133.690	4547.000	116.370	5282.000	.000	.000	.000	.000	.000	.000	.000
GR	140.000	4382.200	136.000	4482.000	132.000	128.000	4707.000	124.000	124.000	124.000	124.000	4830.000
GR	120.000	4920.000	116.000	4945.000	112.000	112.000	4990.000	109.900	109.900	109.900	109.900	5000.000
GR	108.580	5000.010	108.580	5001.000	107.980	107.980	5021.000	103.490	103.490	103.490	103.490	5022.000
GR	104.530	5002.020	103.490	5019.990	103.490	103.490	5040.000	108.050	108.050	108.050	108.050	5042.600
GR	103.490	5022.010	103.930	5030.000	104.850	104.850	5042.590	111.430	111.430	111.430	111.430	5050.000
GR	108.050	5044.000	109.040	5044.010	109.040	109.040	5045.000	128.000	128.000	128.000	128.000	5656.600
GR	112.000	5075.300	116.000	5255.000	120.000	120.000	5545.000	132.000	132.000	132.000	132.000	.000
GR	132.000	5769.100	136.000	5800.400	140.000	140.000	5825.400	128.000	128.000	128.000	128.000	.000

GR	132.000	4826.000	128.000	4849.000	124.000	4880.000	120.000	4921.000	116.000	4946.000
GR	1.3.000	4974.000	112.720	4984.000	110.390	5000.000	110.090	5001.000	108.580	5002.000
GR	108.590	5002.700	103.860	5005.700	105.460	5010.600	105.690	5011.300	105.770	5012.000
GR	107.000	5023.000	109.260	5023.500	111.080	5023.750	111.380	5032.850	112.000	5065.750
GR	116.000	5136.750	120.000	5596.750	124.000	5766.750	128.000	5828.750	132.000	5887.800
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	11886.000	.000	.000	.000	.000	.000	8.110	4980.000	5372.000	.000
X1	11887.000	.000	.000	.000	.000	.000	11.600	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
X4	1.000	116.140	5153.000	.000	.000	.000	.000	.000	.000	.000
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4968.000	5458.000	.000
X1	11887.000	25.000	5000.000	5023.750	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	110.390	111.080	.000
X4	1.000	116.140	5153.000	.000	.000	.000	.000	.000	.000	.000
GR	132.000	4826.000	128.000	4849.000	124.000	4880.000	120.000	4921.000	116.000	4946.000
GR	113.000	4974.000	112.720	4984.000	110.390	5000.000	110.090	5001.000	108.580	5002.000
GR	106.000	5003.000	103.860	5005.700	105.460	5010.600	105.690	5011.300	105.770	5012.000
GR	107.000	5023.000	109.260	5023.500	111.080	5023.750	111.380	5032.850	112.000	5065.750
GR	116.000	5136.750	120.000	5596.750	124.000	5766.750	128.000	5828.750	132.000	5887.800
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4958.000	5468.000	.000

LAST X-SECTION FOR BRIDGE # 4, PRIVATE ACCESS ROAD

X1	11906.000	.000	.000	.000	19.300	19.300	19.300	.000	.000	.000
X4	1.000	116.180	5153.000	.000	.000	.000	.000	.000	.140	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	7.000	1.000	5035.000	.120	5376.500	.113	5700.000	.062	5783.000	.113
NH	5848.000	.170	5908.000	.1.000	6046.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5375.000	5820.000	.000

X-SECTION MD.

X1	12870.000	29.000	5700.000	5783.000	1043.900	853.900	963.900	.000	.000	.000
X4	1.000	121.290	5376.500	.000	.000	.000	.000	.000	.000	.000
GR	150.000	5000.000	148.000	5005.000	144.000	5025.000	143.000	5035.000	140.000	5052.000
GR	136.000	5070.000	132.000	5090.000	128.000	5112.000	124.000	5232.000	121.000	5392.000
GR	121.000	5477.000	121.000	5645.000	120.000	5700.000	118.000	5718.000	116.000	5726.000
GR	112.000	5734.000	109.000	5752.000	109.000	5770.000	112.000	5775.000	114.000	5778.000
GR	116.000	5783.000	120.000	5848.000	121.000	5873.000	124.000	5908.000	126.000	5920.000
GR	140.000	5945.000	144.000	5995.000	150.000	6013.000	169.000	6046.000	.000	.000

THIS RUN EXECUTED 02-26-86 00:19:21

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

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

MULBERRY CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10X*S	VCH	AREA	.01K
140.000	.00	.00	.00	78.41	4529.00	90.56	.00	90.80	23.96	5.22	2373.98	925.21
140.000	.00	.00	.00	78.41	8735.00	93.23	.00	93.48	24.21	6.06	4286.26	1775.18
140.000	.00	.00	.00	78.41	12846.00	95.30	.00	95.57	23.75	6.59	5946.57	2635.23
140.000	.00	.00	.00	78.41	27820.00	100.64	.00	100.95	24.15	8.07	13943.88	5660.89
141.000	1.00	80.00	112.00	78.41	4529.00	90.69	.00	90.83	96.84	4.73	2324.00	460.24
141.000	1.00	80.00	112.00	78.41	8735.00	93.39	.00	93.52	72.06	4.93	4285.23	1029.02
141.000	1.00	80.00	112.00	78.41	12846.00	95.47	.00	95.61	62.79	5.17	5960.56	1621.15
141.000	1.00	80.00	112.00	78.41	27820.00	100.85	.00	101.00	53.06	5.99	14204.68	3819.12
159.000	18.00	80.00	112.00	78.41	4529.00	90.87	.00	91.00	85.09	4.50	2438.22	490.99
159.000	18.00	80.00	112.00	78.41	8735.00	93.52	.00	93.65	67.46	4.81	4390.62	1063.47
159.000	18.00	80.00	112.00	78.41	12846.00	95.59	.00	95.72	60.04	5.09	6057.07	1657.88
159.000	18.00	80.00	112.00	78.41	27820.00	100.95	.00	101.10	51.70	5.93	14383.11	3869.01
160.000	1.00	.00	.00	78.41	4529.00	90.84	.00	91.04	20.50	4.91	2542.43	1000.21
160.000	1.00	.00	.00	78.41	8735.00	93.48	.00	93.70	21.77	5.81	4478.60	1872.11
160.000	1.00	.00	.00	78.41	12846.00	95.54	.00	95.78	21.88	6.39	6138.53	2746.14
160.000	1.00	.00	.00	78.41	27820.00	100.88	.00	101.17	22.68	7.88	14381.42	5861.20
197.000	37.00	.00	.00	78.60	4529.00	90.90	.00	91.14	23.48	5.21	2464.30	934.61
197.000	37.00	.00	.00	78.60	8735.00	93.54	.00	93.81	24.63	6.15	4383.67	1759.96
197.000	37.00	.00	.00	78.60	12846.00	95.60	.00	95.83	24.56	6.73	6038.64	2591.99
197.000	37.00	.00	.00	78.60	27820.00	100.95	.00	101.28	25.11	8.26	14165.44	5551.54
2210.000	2013.00	.00	.00	86.00	4529.00	95.48	.00	95.69	26.13	4.54	1893.79	886.04
2210.000	2013.00	.00	.00	86.00	8735.00	97.77	.00	97.99	22.78	5.06	3595.89	1830.34
2210.000	2013.00	.00	.00	86.00	12846.00	99.49	.00	99.69	19.76	5.25	5514.65	2889.64
2210.000	2013.00	.00	.00	86.00	27820.00	104.18	.00	104.35	14.03	5.55	11881.20	7426.96
3782.200	1572.20	.00	.00	88.72	4496.00	99.23	.00	99.46	20.97	4.03	1423.21	981.72
3782.200	1572.20	.00	.00	88.72	8677.00	101.55	.00	101.90	24.57	5.24	2326.26	1750.39
3782.200	1572.20	.00	.00	88.72	12766.00	103.15	.00	103.61	27.65	6.17	3064.75	2427.73
3782.200	1572.20	.00	.00	88.72	27694.00	107.33	.00	108.05	32.38	8.25	5772.32	4867.10

SECHO	XLCH	ELTRD	ELLC	ELMIN	Q	CUSEL	CRWS	EG	10K'S	VCH	AREA	.01K
4365.200	583.00	.00	.00	89.81	4496.00	100.43	.00	100.65	19.73	3.94	1462.70	1012.28
4365.200	583.00	.00	.00	89.81	8677.00	102.93	.00	103.25	21.68	5.02	2448.18	1863.49
4365.200	583.00	.00	.00	89.81	12766.00	104.70	.00	105.10	23.27	5.81	3311.54	2646.30
4365.200	583.00	.00	.00	89.81	27694.00	109.17	.00	109.77	26.20	7.66	6325.57	5410.24
4366.200	1.00	109.65	112.00	89.81	4496.00	100.32	.00	100.76	48.36	5.31	846.06	646.52
4366.200	1.00	109.65	112.00	89.81	8677.00	102.66	.00	103.54	65.92	7.54	1151.23	1068.70
4366.200	1.00	109.65	112.00	89.81	12766.00	104.22	.00	105.60	84.84	9.43	1354.20	1385.95
4366.200	1.00	109.65	112.00	89.81	27694.00	112.79	112.79	114.47	441.93	12.09	3911.10	1317.37
4393.800	27.60	109.65	112.00	89.81	4496.00	100.48	.00	100.89	44.77	5.19	866.26	671.97
4393.800	27.60	109.65	112.00	89.81	8677.00	102.89	.00	103.73	60.58	7.34	1181.52	1114.80
4393.800	27.60	109.65	112.00	89.81	12766.00	104.55	.00	105.84	76.56	9.14	1396.56	1458.95
4393.800	27.60	109.65	112.00	89.81	27694.00	114.85	.00	115.39	136.12	7.55	6411.83	2373.72
4394.800	1.00	.00	.00	89.81	4496.00	100.49	.00	100.90	43.94	5.17	882.28	678.24
4394.800	1.00	.00	.00	89.81	8677.00	103.04	.00	103.76	50.11	6.91	1403.57	1225.73
4394.800	1.00	.00	.00	89.81	12766.00	104.99	.00	105.95	51.82	8.05	1973.28	1773.33
4394.800	1.00	.00	.00	89.81	27694.00	114.95	.00	115.41	13.98	6.51	9717.07	7406.66
4539.800	145.00	.00	.00	89.95	4496.00	101.12	.00	101.48	34.15	4.76	965.62	769.34
4539.800	145.00	.00	.00	89.95	8677.00	103.81	.00	104.43	38.91	6.38	1574.02	1391.39
4539.800	145.00	.00	.00	89.95	12766.00	105.84	.00	106.65	40.54	7.44	2217.72	2005.00
4539.800	145.00	.00	.00	89.95	27694.00	115.16	.00	115.62	13.71	6.46	9811.00	7479.24
6320.000	1780.20	.00	.00	91.70	4496.00	104.36	.00	104.55	11.52	3.70	1710.48	1324.45
6320.000	1780.20	.00	.00	91.70	8677.00	107.44	.00	107.68	11.81	4.46	3624.28	2524.71
6320.000	1780.20	.00	.00	91.70	12766.00	109.63	.00	109.88	11.53	4.88	5237.29	3758.93
6320.000	1780.20	.00	.00	91.70	27694.00	117.11	.00	117.31	7.35	5.06	12391.18	10211.75
8430.000	2110.00	.00	.00	100.40	4368.00	109.67	.00	110.05	40.78	5.65	1532.49	684.04
8430.000	2110.00	.00	.00	100.40	8455.00	111.92	.00	112.25	32.54	6.05	3042.19	1482.15
8430.000	2110.00	.00	.00	100.40	12457.00	113.65	.00	113.97	28.53	6.34	4349.25	2332.06
8430.000	2110.00	.00	.00	100.40	27122.00	119.49	.00	119.76	16.83	6.44	9550.11	6611.74
10692.000	2261.60	.00	.00	103.28	4368.00	116.39	.00	116.78	23.38	5.88	1390.94	903.39
10692.000	2261.60	.00	.00	103.28	8455.00	118.81	.00	119.33	29.49	7.44	2509.87	1556.94
10692.000	2261.60	.00	.00	103.28	12457.00	120.45	.00	121.04	33.13	8.47	3506.38	2164.08
10692.000	2261.60	.00	.00	103.28	27122.00	124.82	.00	125.50	36.23	10.38	6806.80	4506.17
10853.000	161.40	.00	.00	103.49	4368.00	116.78	.00	117.15	20.91	5.71	1460.70	955.18
10853.000	161.40	.00	.00	103.49	8455.00	119.32	.00	119.78	25.65	7.15	2674.63	1669.56
10853.000	161.40	.00	.00	103.49	12457.00	121.03	.00	121.55	28.26	8.07	3755.10	2343.43
10853.000	161.40	.00	.00	103.49	27122.00	125.44	.00	126.06	31.85	10.02	7155.23	4805.68
10854.000	1.00	109.57	140.00	103.49	4368.00	117.61	.00	117.20	64.06	4.53	1410.69	545.75
10854.000	1.00	109.57	140.00	103.49	8455.00	119.67	.00	119.87	54.57	4.88	2729.31	1144.55
10854.000	1.00	109.57	140.00	103.49	12457.00	121.43	.00	121.65	54.31	5.31	3872.96	1690.33
10854.000	1.00	109.57	140.00	103.49	27122.00	125.91	.00	126.17	54.99	6.39	7400.09	3657.46

SEQNO	XLCH	ELTRD	ELLC	ELMIN	Q	CASEL	CRIMS	EG	10K*S	VCH	AREA	.01K
10856.000	12.00	109.57	140.00	103.49	4368.00	117.09	.00	117.28	60.60	4.43	1444.27	561.09
10856.000	12.00	109.57	140.00	103.49	8455.00	119.74	.00	119.93	52.80	4.82	2771.20	1163.54
10856.000	12.00	109.57	140.00	103.49	12457.00	121.50	.00	121.71	52.81	5.25	3920.51	1714.12
10856.000	12.00	109.57	140.00	103.49	27122.00	125.98	.00	126.24	54.04	6.35	7451.90	3689.42
10867.000	1.00	.00	.00	103.49	4368.00	117.03	.00	117.34	18.35	5.21	1546.06	1019.77
10867.000	1.00	.00	.00	103.49	8455.00	119.64	.00	120.04	22.12	6.53	2836.66	1797.58
10867.000	1.00	.00	.00	103.49	12457.00	121.39	.00	121.83	24.44	7.39	3965.27	2519.74
10867.000	1.00	.00	.00	103.49	27122.00	125.83	.00	126.39	28.27	9.33	7458.64	5100.95
10907.000	39.60	.00	.00	103.74	4368.00	117.10	.00	117.43	20.04	5.39	1474.04	975.70
10907.000	39.60	.00	.00	103.74	8455.00	119.72	.00	120.14	23.72	6.70	2734.58	1736.09
10907.000	39.60	.00	.00	103.74	12457.00	121.47	.00	121.95	25.96	7.57	3853.22	2444.87
10907.000	39.60	.00	.00	103.74	27122.00	125.94	.00	126.51	29.44	9.48	7331.15	4998.55
11793.000	885.40	.00	.00	103.83	4368.00	119.20	.00	119.42	25.08	5.57	1951.45	872.29
11793.000	885.40	.00	.00	103.83	8455.00	122.02	.00	122.21	22.90	6.07	3929.29	1766.72
11793.000	885.40	.00	.00	103.83	12457.00	123.91	.00	124.11	23.04	6.57	5511.95	2595.04
11793.000	885.40	.00	.00	103.83	27122.00	128.67	.00	128.92	25.16	8.04	9989.08	5406.85
11873.000	80.20	.00	.00	103.86	4368.00	119.42	.00	119.61	22.30	5.31	2067.05	924.88
11873.000	80.20	.00	.00	103.86	8455.00	122.22	.00	122.39	20.81	5.83	4058.37	1853.32
11873.000	80.20	.00	.00	103.86	12457.00	124.11	.00	124.29	21.04	6.31	5666.01	2715.70
11873.000	80.20	.00	.00	103.86	27122.00	128.89	.00	129.12	23.09	7.75	10177.66	5643.71
11874.000	1.00	110.39	132.00	103.86	4368.00	119.55	.00	119.65	38.92	3.62	2095.89	700.12
11874.000	1.00	110.39	132.00	103.86	8455.00	122.31	.00	122.41	37.68	4.12	4086.99	1377.39
11874.000	1.00	110.39	132.00	103.86	12457.00	124.19	.00	124.31	39.11	4.57	5682.91	1991.81
11874.000	1.00	110.39	132.00	103.86	27122.00	128.95	.00	129.13	44.12	5.79	10184.23	4083.45
11886.000	11.60	110.39	132.00	103.86	4368.00	119.60	.00	119.69	38.07	3.59	2121.48	707.90
11886.000	11.60	110.39	132.00	103.86	8455.00	122.35	.00	122.45	37.05	4.10	4118.49	1389.02
11886.000	11.60	110.39	132.00	103.86	12457.00	124.24	.00	124.36	38.54	4.55	5719.27	2006.56
11886.000	11.60	110.39	132.00	103.86	27122.00	129.00	.00	129.18	43.61	5.76	10230.05	4107.27
11887.000	1.00	.00	.00	103.86	4368.00	119.56	.00	119.74	20.76	5.16	2151.64	958.62
11887.000	1.00	.00	.00	103.86	8455.00	122.33	.00	122.49	19.82	5.71	4151.47	1899.15
11887.000	1.00	.00	.00	103.86	12457.00	124.22	.00	124.39	20.26	6.22	5754.28	2767.29
11887.000	1.00	.00	.00	103.86	27122.00	128.99	.00	129.21	22.56	7.68	10271.75	5710.27
11906.000	19.30	.00	.00	104.00	4368.00	119.60	.00	119.78	21.59	5.23	2116.28	940.00
11906.000	19.30	.00	.00	104.00	8455.00	122.36	.00	122.53	20.47	5.78	4098.68	1868.75
11906.000	19.30	.00	.00	104.00	12457.00	124.25	.00	124.43	20.80	6.28	5693.93	2731.08
11906.000	19.30	.00	.00	104.00	27122.00	129.03	.00	129.25	23.00	7.73	10196.36	5655.21
12870.000	963.90	.00	.00	109.00	4368.00	121.85	.00	122.22	29.03	5.24	1303.96	810.70
12870.000	963.90	.00	.00	109.00	8455.00	124.40	.00	124.76	23.67	5.87	2881.56	1668.91
12870.000	963.90	.00	.00	109.00	12457.00	126.22	.00	126.57	23.52	6.22	4194.99	2568.40
12870.000	963.90	.00	.00	109.00	27122.00	130.98	.00	131.35	20.60	7.18	8041.16	5976.24

SECH0	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRIMS	EG	10K'S	VCH	AREA	-01K
14980.000	2110.00	.00	.00	113.50	4368.00	126.26	.00	126.43	15.18	3.95	1693.28	1721.29
14980.000	2110.00	.00	.00	113.50	8455.00	128.89	.00	129.13	17.66	5.04	3088.60	2012.33
14980.000	2110.00	.00	.00	113.50	12457.00	130.66	.00	130.95	19.08	5.75	4186.68	2851.87
14980.000	2110.00	.00	.00	113.50	27122.00	135.31	.00	135.72	21.69	7.45	7237.46	5823.28
15280.000	300.00	.00	.00	114.14	4368.00	126.67	.00	126.96	19.07	5.03	1572.89	1000.13
15280.000	300.00	.00	.00	114.14	8455.00	129.37	.00	129.69	19.87	5.93	3373.99	1896.93
15280.000	300.00	.00	.00	114.14	12457.00	131.19	.00	131.51	20.08	6.47	5057.20	2780.21
15280.000	300.00	.00	.00	114.14	27122.00	135.95	.00	136.32	20.77	7.85	10428.91	5950.55

MULBERRY CREEK

SUPMARY PRINTOUT TABLE 150

SECTO	Q	CUSEL	DIFNSP	DIFMSX	DIFKHS	TOPMID	XLCH
140.000	4529.00	90.56	.00	.00	-2.44	598.14	.00
140.000	8735.00	93.23	2.67	.00	.23	778.43	.00
140.000	12846.00	95.30	2.07	.00	2.30	823.01	.00
140.000	27820.00	100.64	5.34	.00	7.64	1813.70	.00
141.000	4529.00	90.69	.00	.12	.00	611.47	1.00
141.000	8735.00	93.39	2.70	.16	.00	781.86	1.00
141.000	12846.00	95.47	2.08	.17	.00	826.65	1.00
141.000	27820.00	100.85	5.38	.21	.00	1814.76	1.00
159.000	4529.00	90.87	.00	.18	.00	631.12	18.00
159.000	8735.00	93.52	2.65	.13	.00	784.75	18.00
159.000	12846.00	95.59	2.07	.12	.00	829.15	18.00
159.000	27820.00	100.95	5.36	.10	.00	1815.25	18.00
160.000	4529.00	90.84	.00	-.03	.00	627.53	1.00
160.000	8735.00	93.48	2.64	-.05	.00	783.73	1.00
160.000	12846.00	95.54	2.06	-.05	.00	828.01	1.00
160.000	27820.00	100.88	5.35	-.07	.00	1814.90	1.00
197.000	4529.00	90.90	.00	.06	.00	614.07	37.00
197.000	8735.00	93.54	2.64	.07	.00	781.12	37.00
197.000	12846.00	95.60	2.06	.07	.00	825.41	37.00
197.000	27820.00	100.95	5.35	.07	.00	1814.31	37.00
2210.000	4529.00	95.48	.00	4.58	.00	615.93	2013.00
2210.000	8735.00	97.77	2.30	4.23	.00	908.53	2013.00
2210.000	12846.00	99.49	1.72	3.89	.00	1215.01	2013.00
2210.000	27820.00	104.18	4.69	3.23	.00	1433.24	2013.00
3782.200	4496.00	99.23	.00	3.75	.00	362.06	1572.20
3782.200	8677.00	101.55	2.32	3.77	.00	416.72	1572.20
3782.200	12766.00	103.15	1.60	3.66	.00	519.64	1572.20
3782.200	27694.00	107.33	4.18	3.15	.00	732.13	1572.20
4365.200	4496.00	100.43	.00	1.20	.00	364.63	583.00
4365.200	8677.00	102.93	2.51	1.39	.00	423.56	583.00
4365.200	12766.00	104.70	1.77	1.55	.00	554.61	583.00
4365.200	27694.00	109.17	4.47	1.83	.00	748.72	583.00
4366.200	4496.00	100.32	.00	-.11	.00	147.32	1.00
4366.200	8677.00	102.66	2.34	-.28	.00	242.20	1.00
4366.200	12766.00	104.22	1.56	-.48	.00	305.41	1.00
4366.200	27694.00	112.79	8.57	3.62	.00	1210.00	1.00

*

02-25-86 00:15:23

SECHO	Q	CMSEL	DIFMSP	DIFMSX	DIFKUS	TOPRID	XLCH
4393.800	4496.00	100.48	.00	.15	.00	150.84	27.60
4393.800	8677.00	102.89	2.41	.23	.00	252.12	27.60
4393.900	12766.00	104.55	1.66	.33	.00	313.56	27.60
4393.800	27694.00	114.85	10.31	2.07	.00	1210.00	27.60
4394.800	4496.00	100.49	.00	.01	.00	154.62	1.00
4394.800	8677.00	103.04	2.55	.15	.00	254.24	1.00
4394.800	12766.00	104.99	1.95	.44	.00	324.62	1.00
4394.800	27694.00	114.95	9.97	.10	.00	1210.00	1.00
4539.800	4496.00	101.12	.00	.64	.00	173.60	145.00
4539.800	8677.00	103.81	2.69	.78	.00	279.40	145.00
4539.800	12766.00	105.84	2.03	.26	.00	362.55	145.00
4539.800	27694.00	115.16	9.32	.21	.00	1210.00	145.00
6320.000	4496.00	104.36	.00	3.23	.00	442.49	1780.20
6320.000	8677.00	107.44	3.08	3.63	.00	707.40	1780.20
6320.000	12766.00	109.63	2.19	3.78	.00	771.40	1780.20
6320.000	27694.00	117.11	7.48	1.94	.00	1114.15	1780.20
8430.000	4368.00	109.67	.00	5.32	.00	607.69	2110.00
8430.000	8455.00	111.92	2.25	4.48	.00	721.39	2110.00
8430.000	12457.00	113.65	1.73	4.03	.00	787.03	2110.00
8430.000	27122.00	119.49	5.84	2.38	.00	988.42	2110.00
10692.000	4368.00	116.39	.00	6.71	.00	371.32	2261.60
10692.000	8455.00	118.81	2.42	6.89	.00	551.91	2261.60
10692.000	12457.00	120.45	1.64	6.80	.00	654.93	2261.60
10692.000	27122.00	124.82	4.37	5.33	.00	844.45	2261.60
10853.000	4368.00	116.78	.00	.39	.00	385.07	161.40
10853.000	8455.00	119.32	2.54	.51	.00	573.72	161.40
10853.000	12457.00	121.03	1.71	.58	.00	672.06	161.40
10853.000	27122.00	125.44	4.41	.62	.00	858.95	161.40
10854.000	4368.00	117.01	.00	.23	.00	389.43	1.00
10854.000	8455.00	119.67	2.67	.35	.00	599.37	1.00
10854.000	12457.00	121.43	1.76	.40	.00	690.61	1.00
10854.000	27122.00	125.91	4.47	.46	.00	875.46	1.00
10866.000	4368.00	117.09	.00	.09	.00	396.16	12.00
10866.000	8455.00	119.74	2.65	.07	.00	604.84	12.00
10866.000	12457.00	121.50	1.76	.07	.00	693.75	12.00
10866.000	27122.00	125.98	4.47	.07	.00	877.55	12.00
10867.000	4368.00	117.03	.00	-.06	.00	391.59	1.00
10867.000	8455.00	119.64	2.61	-.10	.00	597.06	1.00
10867.000	12457.00	121.39	1.74	-.12	.00	688.44	1.00
10867.000	27122.00	125.83	4.44	-.15	.00	872.75	1.00

SECHO	Q	CASEL	DIFISP	DIFISX	DIFISU	TOPVID	XLCH
10907.000	4368.00	117.10	.00	.06	.00	376.83	39.60
10907.000	8455.00	119.72	2.63	.08	.00	583.55	39.60
10907.000	12457.00	121.47	1.75	.09	.00	680.97	39.60
10907.000	27122.00	125.94	4.46	.10	.00	867.55	39.60
11793.000	4368.00	119.20	.00	2.10	.00	581.96	885.40
11793.000	8455.00	122.02	2.82	2.29	.00	783.68	885.40
11793.000	12457.00	123.91	1.90	2.44	.00	883.81	885.40
11793.000	27122.00	128.67	4.76	2.74	.00	994.19	885.40
11673.000	4368.00	119.42	.00	.22	.00	605.50	80.20
11673.000	8455.00	122.22	2.79	.20	.00	792.30	80.20
11673.000	12457.00	124.11	1.90	.20	.00	889.33	80.20
11673.000	27122.00	128.89	4.78	.22	.00	998.07	80.20
11874.000	4368.00	119.55	.00	.13	.00	621.62	1.00
11874.000	8455.00	122.31	2.76	.09	.00	797.58	1.00
11874.000	12457.00	124.19	1.88	.08	.00	891.26	1.00
11874.000	27122.00	128.95	4.76	.06	.00	999.25	1.00
11886.000	4368.00	119.60	.00	.05	.00	626.59	11.60
11886.000	8455.00	122.35	2.75	.05	.00	799.66	11.60
11886.000	12457.00	124.24	1.89	.05	.00	892.21	11.60
11886.000	27122.00	129.00	4.76	.05	.00	1000.19	11.60
11887.000	4368.00	119.56	.00	-.04	.00	622.41	1.00
11887.000	8455.00	122.33	2.77	-.03	.00	798.43	1.00
11887.000	12457.00	124.22	1.89	-.02	.00	891.77	1.00
11887.000	27122.00	128.99	4.77	-.02	.00	999.99	1.00
11906.000	4368.00	119.60	.00	.04	.00	612.73	19.30
11906.000	8455.00	122.36	2.76	.04	.00	793.46	19.30
11906.000	12457.00	124.25	1.89	.04	.00	889.62	19.30
11906.000	27122.00	129.03	4.78	.04	.00	997.98	19.30
12870.000	4368.00	121.85	.00	2.26	.00	536.41	963.90
12870.000	8455.00	124.40	2.55	2.04	.00	690.52	963.90
12870.000	12457.00	126.22	1.82	1.97	.00	754.98	963.90
12870.000	27122.00	130.98	4.76	1.95	.00	833.29	963.90
14980.000	4368.00	126.26	.00	4.41	.00	333.99	2110.00
14980.000	8455.00	128.89	2.63	4.49	.00	612.97	2110.00
14980.000	12457.00	130.66	1.77	4.44	.00	630.63	2110.00
14980.000	27122.00	135.31	4.64	4.33	.00	679.67	2110.00
15280.000	4368.00	126.67	.00	.41	.00	432.82	300.00
15280.000	8455.00	129.37	2.70	.48	.00	884.30	300.00
15280.000	12457.00	131.19	1.81	.53	.00	970.51	300.00
15280.000	27122.00	135.95	4.76	.64	.00	1271.01	300.00

02-26-86 00:15:23

FLOOD INSURANCE ZONE DATA FOR MULBERRY CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND	
		10	2
140.000	0.	-4.74	-2.07
141.000	1.	-4.79	-2.08
159.000	19.	-4.72	-2.07
160.000	20.	-4.70	-2.06
197.000	57.	-4.70	-2.06
2210.000	2070.	-4.01	-1.72
3782.200	3642.	-3.92	-1.60
4365.200	4225.	-4.27	-1.77
4366.200	4226.	-3.90	-1.56
4393.800	4254.	-4.07	-1.66
4394.800	4255.	-4.50	-1.95
4539.800	4400.	-4.72	-2.03
6320.000	6180.	-5.27	-2.19
8430.000	8290.	-3.98	-1.73
10692.000	10552.	-4.07	-1.64
10853.000	10713.	-4.25	-1.71
10854.000	10714.	-4.43	-1.76
10866.000	10726.	-4.41	-1.76
10867.000	10727.	-4.35	-1.74
10907.000	10767.	-4.38	-1.75
11793.000	11652.	-4.71	-1.90
11873.000	11732.	-4.69	-1.90
11874.000	11733.	-4.64	-1.88
11886.000	11745.	-4.64	-1.89
11887.000	11746.	-4.66	-1.89
11906.000	11765.	-4.66	-1.89
12870.000	12729.	-4.37	-1.82
14980.000	14839.	-4.40	-1.77
15280.000	15139.	-4.52	-1.81
WEIGHTED AVG FOR REACH		-4.40	-1.84
			5.52

FHF FOR THE REACH = .045 WITH 100.0 PERCENT OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH # 9

THIS RUN EXECUTED 02-26-86 00:25:13

 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

C
 T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: MC.HEC ENG: SKE EA: KMC,EKL,DLY COMM 2320
 T3 MULBERRY CREEK DATE: 2/26/86 100-YEAR EVENT

J1	ICHECK	IHQ	IINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	.002400	.00	.0	0.	93.000	.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	200.000	.000	.000	.000	.000	.000	.000	.000	.000
J6	IHLQ	ICOPY								
	1.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
QT	6.000	4529.000	8735.000	12846.000	27820.000	6010.000	12846.000		.000	.000
NC	.000	.000	.000	.300	.500	.000	.000		.000	.000
NH	6.000	1.000	4596.000	.150	4856.000	.098	5000.000		.063	5042.000
NH	5062.000	1.050	5955.000	.000	.000	.000	.000		.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110		4670.000	5060.000

MULBERRY CREEK

FLD: 1 2 3 4 5 6 7
 QT 10-YR 50-YR 100-YR 500-YR 25-YR 100-YR FLOODWAY
 1977

ADD 1000 FEET TO OBTAIN TRUE ELEVATION

FIRST X-SECTION FOR BRIDGE # 1, SR 1338.

X1	140.000	27.000	5000.000	5042.000	140.000	140.000	140.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	85.010	86.000	.000
X4	2.000	90.210	4596.000	87.030	4856.000	.000	.000	.000	.000	.000
GR	112.000	4104.500	108.000	4114.500	104.000	4124.500	100.000	4144.500	96.000	4332.000
GR	92.000	4410.000	88.000	4820.000	85.010	5000.000	80.320	5002.000	79.560	5010.000
GR	79.330	5020.000	78.410	5030.000	79.180	5040.000	81.450	5041.000	83.910	5042.000
GR	86.000	5062.000	84.000	5092.000	80.000	5102.000	80.600	5132.000	84.000	5142.000
GR	88.000	5150.000	92.000	5162.000	96.000	5170.000	97.000	5440.000	96.000	5705.000

GR	96.000	5785.000	100.000	5955.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	6.000	1.000	4596.000	.150	4856.000	.098	5000.000	.063	5042.000	.000	.098	.000	.000
NH	5062.000	1.000	5955.000	.000	.000	.000	.000	.000	5060.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4670.000	5060.000	.000	.000	.000	.000
BRIDGE # 1, SR 1338													
X1	141.000	31.000	5000.000	5042.000	1.000	1.000	1.000	.000	1.000	.000	1.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	2.000	90.210	4596.000	87.030	4856.000	.000	.000	85.010	86.000	.000	.000	.000	.000
BT	.000	4104.500	112.000	112.000	4114.500	108.000	108.000	4124.500	104.000	.000	104.000	.000	104.000
BT	.000	4144.500	100.000	100.000	4332.000	96.000	96.000	4410.000	92.000	.000	92.000	.000	92.000
BT	.000	4820.000	88.000	88.000	5000.000	85.010	85.010	5001.000	85.010	.000	85.010	.000	85.010
BT	.000	5001.010	85.790	80.320	5002.000	85.760	80.320	5010.000	85.760	.000	85.760	.000	85.760
BT	.000	5020.000	85.270	82.560	5030.000	84.990	82.240	5040.000	84.730	.000	84.730	.000	84.730
BT	.000	5040.010	84.730	79.180	5041.000	84.700	79.180	5041.010	84.700	.000	84.700	.000	84.700
BT	.000	5042.000	83.910	83.910	5062.000	86.000	86.000	5092.000	84.000	.000	84.000	.000	84.000
BT	.000	5102.000	88.000	88.000	5132.000	92.000	92.000	5142.000	96.000	.000	96.000	.000	96.000
BT	.000	5150.000	88.000	88.000	5162.000	96.000	96.000	5170.000	96.000	.000	96.000	.000	96.000
BT	.000	5440.000	97.000	97.000	5705.000	.000	.000	5785.000	.000	.000	.000	.000	.000
BT	.000	5955.000	100.000	100.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	112.000	4104.500	108.000	4114.500	104.000	104.000	100.000	4144.500	96.000	.000	96.000	.000	4332.000
GR	92.000	4410.000	88.000	4820.000	85.010	85.010	80.320	5001.000	80.320	.000	80.320	.000	5001.010
GR	80.320	5002.000	79.560	5010.000	79.330	79.180	79.180	5020.000	79.180	.000	79.180	.000	5040.000
GR	84.000	5040.010	79.180	5041.000	79.180	80.000	84.000	5042.000	86.000	.000	86.000	.000	5062.000
GR	92.000	5092.000	80.000	5102.000	80.000	97.000	97.000	5132.000	88.000	.000	88.000	.000	5150.000
GR	100.000	5955.000	.000	5170.000	.000	.000	.000	5440.000	96.000	.000	96.000	.000	5785.000
NH	6.000	1.000	4596.000	.150	4856.000	.098	5000.000	.063	5042.000	.000	.098	.000	.000
NH	5062.000	1.000	5955.000	.000	.000	.000	.000	.000	5060.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	5060.000	.000	.000	.000	.000
X1	160.000	27.000	5000.000	5042.000	1.000	1.000	1.000	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	2.000	90.210	4596.000	87.030	4856.000	.000	.000	85.010	86.000	.000	.000	.000	.000
GR	112.000	4104.500	108.000	4114.500	104.000	104.000	100.000	4144.500	96.000	.000	96.000	.000	4332.000
GR	92.000	4410.000	88.000	4820.000	85.010	85.010	80.320	5001.000	80.320	.000	80.320	.000	5001.010
GR	79.330	5020.000	78.410	5030.000	79.180	80.000	84.000	5040.000	86.000	.000	86.000	.000	5062.000
GR	86.000	5062.000	84.000	5092.000	80.000	96.000	96.000	5132.000	88.000	.000	88.000	.000	5150.000
GR	88.000	5150.000	92.000	5162.000	96.000	.000	.000	5440.000	96.000	.000	96.000	.000	5785.000
GR	96.000	5785.000	100.000	5955.000	.000	.000	.000	5705.000	.000	.000	.000	.000	.000

NH	6.000	1.000	4596.000	.150	4856.000	.108	5000.000	.063	5042.000	.108
NH	5062.000	1.000	5955.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4670.000	5060.000	.000

LAST X-SECTION FOR BRIDGE # 1, SR 1338

X1	197.000	.000	.000	.000	37.000	37.000	37.000	.000	.190	.000
X4	2.000	90.400	4596.000	87.220	4856.000	.000	.000	.000	.000	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	6.000	1.000	5995.000	.150	6165.000	.108	6561.000	.063	6646.000	.108
NH	6826.000	.170	7007.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.410	.000	.000	.000

X-SECTION MA

X1	2210.000	57.000	6561.000	6646.000	1503.000	2013.000	2013.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	94.000	94.000	.000
GR	120.000	5000.000	112.000	5050.000	108.000	5080.000	112.000	5100.000	113.000	5190.000
GR	112.000	5265.000	110.000	5300.000	108.000	5335.000	107.000	5395.000	105.000	5455.000
GR	104.000	5500.000	102.000	5535.000	100.000	5565.000	96.000	5575.000	95.000	5585.000
GR	96.000	5595.000	100.000	5610.000	100.000	5635.000	100.000	5665.000	99.000	5745.000
GR	98.000	5825.000	98.000	5915.000	97.000	6000.000	96.000	6075.000	94.000	6100.000
GR	92.000	6135.000	88.000	6140.000	86.600	6150.000	88.000	6155.000	92.000	6165.000
GR	93.000	6190.000	93.000	6265.000	94.000	6390.000	94.000	6475.000	92.000	6525.000
GR	92.000	6561.000	89.000	6566.000	87.000	6567.000	86.000	6571.000	86.000	6581.000
GR	86.500	6591.000	86.500	6601.000	87.000	6607.000	88.000	6609.000	89.000	6631.000
GR	92.000	6646.000	94.000	6666.000	96.000	6696.000	97.000	6766.000	98.000	6826.000
GR	98.000	6864.000	100.000	6884.000	102.000	6904.000	104.000	6922.000	106.000	6957.000
GR	108.000	6987.000	112.000	7007.000	.000	.000	.000	.000	.000	.000
QT	6.000	4496.000	8677.000	12766.000	27694.000	5967.000	12766.000	.000	.000	.000
NH	6.000	1.000	4698.000	.150	4888.000	.108	5000.000	.063	5140.000	.108
NH	5323.000	.180	5359.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4920.000	5185.000	.000

FIRST X-SECTION FOR BRIDGE # 2, ABINGDON ROAD, SR 1310

X1	3782.200	25.000	5000.000	5140.000	1812.200	1492.200	1572.200	.000	-1.090	.000
X4	3.000	104.110	4698.000	97.910	4888.000	106.900	5323.000	.000	.000	.000
GR	112.000	4550.000	108.000	4600.000	106.300	4640.000	106.000	4660.000	103.000	4840.000
GR	98.000	5000.000	97.000	5010.000	96.000	5025.000	93.800	5045.000	90.760	5077.000
GR	90.150	5090.000	89.810	5100.000	89.970	5111.500	89.970	5111.510	89.970	5111.990
GR	89.970	5112.000	89.970	5113.000	89.970	5113.010	89.970	5113.490	89.970	5113.500
GR	90.760	5119.000	96.700	5140.000	97.300	5150.000	99.000	5219.000	112.000	5359.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.060	.000
NH	6.000	1.000	4698.000	.150	4888.000	.108	5000.000	.063	5140.000	.108
NH	5323.000	.170	5359.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4940.000	5165.000	.000

X1	4365.200	.000	.000	583.000	583.000	.000	1.090	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000
X4	3.000	105.200	4698.000	99.000	107.900	5323.000	.000	.000
MH	3.000	.150	5000.000	.063	5153.710	.000	.000	.000
ET	.000	.000	.000	.000	.000	8.410	.000	.000

BRIDGE # 2, ABINGDON RD. SR1310

X1	4366.200	41.000	5000.000	5153.710	1.000	1.000	.000	.000
BT	-41.000	4415.000	112.000	112.000	110.000	110.000	110.000	110.000
BT	.000	4913.000	109.840	104.000	109.650	100.600	4800.000	110.000
BT	.000	5009.990	112.510	100.000	112.510	106.250	5000.010	100.600
BT	.000	5045.000	112.510	106.130	112.510	106.110	5025.000	106.200
BT	.000	5051.990	112.510	103.610	112.510	93.790	5051.510	103.610
BT	.000	5053.010	112.510	103.610	112.510	103.610	5053.000	93.790
BT	.000	5077.000	112.510	106.110	112.510	106.100	5053.500	106.110
BT	.000	5111.500	112.510	106.100	112.510	103.600	5100.000	106.100
BT	.000	5112.000	112.510	89.970	112.510	89.970	5111.990	103.600
BT	.000	5113.490	112.510	103.600	112.510	106.100	5113.010	89.970
BT	.000	5125.000	112.510	106.150	112.510	106.230	5119.000	106.120
BT	.000	5150.000	112.510	100.000	112.510	106.230	5143.010	96.700
BT	.000	5213.000	111.790	104.000	112.000	105.000	5153.710	100.600
BT	.000	5359.000	110.000	110.000	112.000	112.000	5323.000	108.000
GR	112.000	4415.000	110.000	4660.000	4800.000	104.000	.000	.000
GR	100.600	5000.010	100.000	5009.990	5010.000	98.800	4913.000	5000.000
GR	93.790	5051.500	93.790	5051.510	5051.990	93.790	5025.000	5045.000
GR	89.970	5053.010	93.790	5053.490	5053.500	90.760	5077.000	5053.000
GR	89.810	5100.000	89.970	5111.500	5111.510	89.970	5111.990	5090.000
GR	97.180	5125.000	96.700	5113.010	5113.490	89.970	5113.500	5112.000
GR	100.600	5153.710	104.000	5143.010	5143.010	100.000	5150.000	5119.000
GR	112.000	5625.000	.000	5213.000	5219.000	108.000	5323.000	5153.700
MH	3.000	.150	5000.000	.063	5153.710	.170	.000	.000
X1	4393.800	.000	.000	.000	27.600	27.600	.000	.000
X2	.000	.000	.000	.000	.000	1.000	.000	.000

MH	3.000	.170	5000.000	.063	5143.000	.170	.000	.000
X1	4394.800	20.000	5000.000	5143.000	1.000	1.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000
GR	112.000	4415.000	110.000	4660.000	4800.000	104.000	4913.000	5000.000
GR	100.000	5010.000	98.800	5025.000	5050.000	90.760	5077.000	5090.000
GR	89.810	5100.000	89.970	5112.000	5119.000	97.200	5125.000	5143.000
GR	100.000	5150.000	105.000	5219.000	5323.000	110.000	5359.000	5625.000
MH	3.000	.170	5000.000	.063	5143.000	.170	.000	.000

LAST X-SECTION FOR BRIDGE # 2, ABINGDON RD. SR 1310

X1	4539.800	.000	.000	145.000	145.000	145.000	.000	.140	.000
KC	.103	.100	.050	.300	.000	.000	.000	.000	.000
NH	7.000	1.000	5086.000	5284.000	.113	5528.000	.063	637.000	.113
NH	5770.000	.170	5976.000	6325.000	.000	.000	.000	.000	.000
X-SECTION MB									
X1	6320.000	37.000	5528.000	1700.200	1675.200	1780.200	.000	.000	.000
X4	1.000	112.670	5976.000	.000	.000	.000	.000	.000	.000
GR	140.000	5000.000	125.000	120.000	5020.000	116.000	5030.000	112.000	5045.000
GR	104.000	5056.000	100.000	104.000	5086.000	105.000	5126.000	106.000	5214.000
GR	104.000	5284.000	101.000	105.000	5487.000	100.000	5528.000	94.000	5540.000
GR	93.000	5540.010	91.700	92.000	5553.000	92.700	5563.000	92.800	5573.000
GR	93.000	5583.000	92.800	92.600	5595.000	93.000	5608.000	100.000	5637.000
GR	104.000	5689.000	108.000	112.000	5892.000	112.000	5944.000	116.000	6134.000
GR	119.000	6154.000	120.000	124.000	6200.000	128.000	6232.000	132.000	6297.000
GR	136.000	6315.000	140.000	140.000	.000	.000	.000	.000	.000
QT	6.000	4368.000	8455.000	27122.000	5805.000	12457.000	.000	.000	.000
NH	6.000	1.000	5118.500	5130.000	.061	5210.000	.113	5710.000	.170
NH	6338.500	1.000	6573.000	.000	.000	.000	.000	.000	.000
X-SECTION MC									
X1	8430.000	35.000	5130.000	1970.000	1930.000	2110.000	.000	.000	.000
X4	2.000	107.210	5118.500	6338.500	.000	.000	.000	.000	.000
GR	140.000	5000.000	137.000	120.000	5040.000	116.000	5055.000	112.000	5070.000
GR	108.000	5085.000	106.000	107.800	5130.000	103.000	5140.000	102.000	5144.000
GR	101.000	5145.000	100.700	102.000	5160.000	101.300	5170.000	100.400	5180.000
GR	100.500	5190.000	101.000	102.900	5195.000	104.000	5200.000	108.000	5210.000
GR	107.000	5260.000	108.000	108.000	5570.000	110.000	5710.000	112.000	5795.000
GR	116.000	5930.000	120.000	124.000	6150.000	120.000	6360.000	124.000	6385.000
GR	134.000	6405.000	134.000	136.000	6495.000	139.000	6535.000	140.000	6573.000
NH	7.000	1.000	4594.500	4932.000	.113	5000.010	.061	5044.000	.113
NH	5272.000	.170	5656.600	5825.400	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	8.110	4980.000	5300.000	.000

FIRST X-SECTION FOR BRIDGE # 3, PRIVATE ACCESS RD.

X1	10692.000	32.000	5000.010	2121.600	2301.600	2261.600	.000	.210	.000
X4	2.000	117.870	4932.000	5272.000	.000	.000	.000	.000	.000
GR	140.000	4382.200	136.000	132.000	4594.500	128.000	4707.000	124.000	4830.000
GR	120.000	4920.000	116.000	112.000	4985.000	108.500	5000.010	107.980	5001.010
GR	105.790	5002.010	104.530	103.490	5019.990	103.490	5020.000	103.490	5021.000
GR	103.490	5022.000	103.490	103.900	5029.000	103.930	5030.000	104.800	5039.000
GR	104.850	5040.000	105.790	108.050	5044.000	111.430	5050.000	112.000	5075.300
GR	116.000	5255.000	120.000	124.000	5637.800	128.000	5656.600	132.000	5769.100
GR	136.000	5800.400	140.000	140.000	.000	.000	.000	.000	.000

NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	7.000	1.000	4594.500	.200	4932.000	.113	5000.010	.060	5044.000	.113
NH	5272.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4980.000	5300.000	.000
X1	10853.000	.000	.000	.000	161.400	161.400	161.400	.000	.210	.000
X3	10.000	.000	.000	.000	.000	.000	.000	109.650	109.760	.000
X4	2.000	118.080	4932.000	116.000	5272.000	.000	.000	.000	.000	.000
NH	7.000	1.000	4547.000	.200	4945.000	.113	5000.000	.060	5045.000	.113
NH	5282.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4980.000	5300.000	.000

BRIDGE # 3, PRIVATE ACCESS ROAD

X1	10854.000	38.000	5000.000	5045.000	1.000	1.000	1.000	.000	.000	.000
X4	2.000	133.690	4547.000	116.370	5282.000	.000	.000	.000	.000	.000
BT	-35.000	4382.200	140.000	140.000	4482.000	136.000	136.000	4594.500	132.000	132.000
BT	.000	4707.000	128.000	128.000	4830.000	124.000	124.000	4920.000	120.000	120.000
BT	.000	4945.000	116.000	116.000	4985.000	112.000	112.000	4990.000	111.450	111.450
BT	.000	5000.000	109.900	109.900	5000.010	109.900	108.580	5001.000	109.900	108.580
BT	.000	5001.010	110.160	107.980	5002.000	110.160	107.980	5019.990	109.590	107.270
BT	.000	5020.030	109.590	103.490	5021.000	109.570	103.490	5022.000	109.600	103.490
BT	.000	5022.010	109.600	107.270	5030.000	109.840	107.550	5040.000	110.150	107.950
BT	.000	5042.600	110.230	108.050	5044.000	110.270	108.050	5044.010	109.860	109.040
BT	.000	5044.990	109.860	109.040	5045.000	109.860	109.860	5050.000	111.430	111.430
BT	.000	5075.300	112.000	112.000	5255.000	116.000	116.000	5545.000	120.000	120.000
BT	.000	5637.800	124.000	124.000	5656.600	128.000	128.000	5769.100	132.000	132.000
BT	.000	5800.400	136.000	136.000	5825.400	140.000	140.000	.000	.000	.000
GR	140.000	4382.200	136.000	4482.000	132.000	4594.500	128.000	4707.000	124.000	4830.000
GR	120.000	4920.000	116.000	4945.000	112.000	4985.000	111.450	4990.000	109.900	5000.000
GR	108.580	5000.010	108.580	5001.000	107.980	5001.010	107.980	5002.000	105.790	5002.010
GR	104.530	5002.020	103.490	5019.990	103.490	5020.000	103.490	5021.000	103.490	5022.000
GR	103.490	5022.010	103.930	5030.000	104.850	5040.000	105.790	5042.590	108.050	5042.600
GR	108.050	5044.000	109.040	5044.010	109.040	5044.990	109.860	5045.000	111.430	5050.000
GR	112.000	5075.300	116.000	5255.000	120.000	5545.000	124.000	5637.800	128.000	5656.600
GR	132.000	5769.100	136.000	5800.400	140.000	5825.400	.000	.000	.000	.000
NH	7.000	1.000	4547.000	.200	4945.000	.113	5000.000	.060	5045.000	.113
NH	5282.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4980.000	5300.000	.000
X1	10866.300	.000	.000	.000	12.000	12.000	12.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
X4	2.000	133.690	4547.000	116.370	5282.000	.000	.000	.000	.000	.000
NH	7.000	1.000	4547.000	.200	4945.000	.113	5000.010	.060	5050.000	.113
NH	5282.000	.170	5656.600	1.000	5825.400	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4980.000	5300.000	.000
X1	10867.000	32.000	5000.010	5050.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	109.650	109.760	.000
X4	2.000	133.690	4547.000	116.370	5282.000	.000	.000	.000	.000	.000
GR	140.000	4382.200	136.000	4482.000	132.000	4594.500	128.000	4707.000	124.000	4830.000
GR	120.000	4920.000	116.000	4945.000	112.000	4985.000	110.580	5000.010	107.980	5001.010
GR	105.790	5002.010	104.530	5002.020	103.490	5019.990	103.490	5020.000	103.490	5021.000

GR	132.000	4826.000	128.000	4849.000	124.000	4880.000	120.000	4921.000	116.000	4946.000
GR	113.000	4974.000	112.720	4984.000	110.390	5000.000	110.090	5001.000	108.580	5002.000
GR	108.590	5002.700	103.860	5005.700	105.460	5010.600	105.690	5011.300	105.770	5012.000
GR	107.000	5023.000	109.260	5023.500	111.080	5023.750	111.360	5032.850	112.000	5045.750
GR	116.000	5136.750	120.000	5596.750	124.000	5766.750	128.000	5828.750	132.000	5887.800
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	11886.000	.000	.000	.000	11.600	11.600	1.000	4980.000	5372.000	.000
X1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	1.000	116.140	5153.000	.000	.000	.000	.000	.000	.000	.000
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	11887.000	.000	.000	.000	1.000	1.000	1.000	4968.000	5458.000	.000
X1	10.000	25.000	5000.000	5023.750	.000	.000	.000	110.390	.000	.000
X3	1.000	116.140	5153.000	.000	.000	.000	.000	.000	.000	.000
X4	1.000	116.140	5153.000	.000	.000	.000	.000	.000	.000	.000
GR	132.000	4826.000	128.000	4849.000	124.000	4880.000	120.000	4921.000	116.000	4946.000
GR	113.000	4974.000	112.720	4984.000	110.390	5000.000	110.090	5001.000	108.580	5002.000
GR	106.000	5003.000	103.860	5005.700	105.460	5010.600	105.690	5011.300	105.770	5012.000
GR	107.000	5023.000	109.260	5023.500	111.080	5023.750	111.380	5032.850	112.000	5045.750
GR	116.000	5136.750	120.000	5596.750	124.000	5766.750	128.000	5828.750	132.000	5887.800
NH	5.000	.113	5000.000	.062	5023.750	.113	5153.000	.170	5596.750	1.000
NH	5887.800	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	4958.000	5468.000	.800

LAST X-SECTION FOR BRIDGE # 4, PRIVATE ACCESS ROAD

X1	11906.000	.000	.000	.000	19.300	19.300	19.300	.000	.140	.000
X4	1.000	116.180	5153.000	.000	.000	.000	.000	.000	.000	.000
MC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	7.000	1.000	5035.000	.120	5376.500	.113	5700.000	.062	5783.000	.113
NH	5848.000	.170	5908.000	1.000	6046.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	5375.000	5820.000	.000

X-SECTION MD.

X1	12870.000	29.000	5700.000	5783.000	1043.900	853.900	963.900	.000	.000	.000
X4	1.000	121.290	5376.500	.000	.000	.000	.000	.000	.000	.000
GR	150.000	5000.000	148.000	5005.000	144.000	5025.000	143.000	5035.000	140.000	5032.000
GR	136.000	5070.000	132.000	5090.000	128.000	5112.000	124.000	5232.000	121.000	5392.000
GR	121.000	5477.000	121.090	5645.000	120.000	5700.000	118.000	5718.000	116.000	5726.000
GR	112.000	5734.000	109.000	5752.000	109.000	5770.000	112.000	5775.000	114.000	5778.000
GR	116.000	5783.000	120.000	5848.000	121.000	5873.000	124.000	5908.000	126.000	5920.000
GR	140.000	5945.000	144.000	5995.000	150.000	6013.000	169.000	6046.000	.000	.000

THIS RUN EXECUTED 02-26-86 00:27:32

 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

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

MULBERRY CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIEKWS	EG	TOPWID	QLOB	OCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
140.000	95.30	2.30	95.57	823.01	7316.45	4376.59	1152.96	.00	.00	5100.00	5042.00	.00
140.000	95.30	.00	95.71	390.00	7348.92	4933.64	563.43	390.00	4670.00	5000.00	5042.00	5060.00
141.000	95.47	.00	95.61	826.65	8066.85	2820.95	1958.20	.00	.00	5000.00	5042.00	.00
141.000	95.43	-.04	95.74	390.00	8336.09	3483.68	1026.23	390.00	4670.00	5000.00	5042.00	5060.00
159.000	95.59	.00	95.72	829.15	8097.87	2799.84	1948.28	.00	.00	5000.00	5042.00	.00
159.000	95.62	.03	95.91	390.00	8378.82	3450.03	1017.15	390.00	4670.00	5000.00	5042.00	5060.00
160.000	95.54	.00	95.78	828.01	7375.68	4303.32	1167.00	.00	.00	5000.00	5042.00	.00
160.000	95.58	.05	95.96	390.00	7427.90	4858.70	559.41	390.00	4670.00	5000.00	5042.00	5060.00
197.000	95.60	.00	95.88	825.41	7198.93	4502.14	1144.92	.00	.00	5000.00	5042.00	.00
197.000	95.67	.06	96.09	390.00	7228.70	5087.36	529.94	390.00	4670.00	5000.00	5042.00	5060.00
2210.000	99.49	.00	99.69	1215.01	6775.28	5157.51	913.20	.00	.00	6561.00	6646.00	.00
2210.000	100.15	.66	100.42	513.59	7033.71	5812.29	.00	.17	6132.42	6561.00	6646.00	6646.00
3782.200	103.15	.00	103.61	519.64	1686.85	9651.83	1427.32	.00	.00	5000.00	5140.00	.00
3782.200	103.89	.74	104.43	265.00	1274.72	10657.40	833.88	265.00	4920.00	5000.00	5140.00	5185.00
4365.200	104.70	.00	105.10	554.61	1797.74	9469.35	1498.91	.00	.00	5000.00	5140.00	.00
4365.200	105.44	.74	106.02	225.00	1054.78	11208.41	502.82	225.00	4940.00	5000.00	5140.00	5165.00
4366.200	104.22	.00	105.60	305.41	.00	12766.00	.00	.00	.00	5000.00	5153.71	.00
4366.200	105.15	.93	106.31	153.71	.00	12766.00	.00	.04	5000.00	5000.00	5153.71	5153.71
4393.800	104.55	.00	105.84	313.56	.00	12766.00	.00	.00	.00	5000.00	5153.71	.00
4393.800	105.38	.83	106.50	153.71	.00	12766.00	.00	.05	5000.00	5000.00	5153.71	5153.71
4394.800	104.99	.00	105.95	324.62	288.97	12187.61	289.42	.00	.00	5000.00	5143.00	.00
4394.800	105.54	.55	106.54	143.00	.00	12766.00	.00	.06	5000.00	5000.00	5143.00	5143.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
4539.800	105.84	.00	105.65	362.55	386.66	12014.14	365.19	.00	.00	5000.00	5143.00	.00
4539.800	106.34	.50	107.23	143.00	.00	12766.00	.00	.07	5000.00	5000.00	5143.00	5143.00
6320.000	109.63	.00	109.88	771.40	3509.03	8251.60	1005.37	.00	.00	5528.00	5637.00	.00
6320.000	110.29	.66	110.59	408.79	3369.71	9018.24	378.05	.12	5252.62	5528.00	5637.00	5661.41
8430.000	113.65	.00	113.97	787.03	243.78	5671.46	6541.76	.00	.00	5130.00	5210.00	.00
8430.000	114.49	.84	114.86	436.82	.00	6190.43	6266.57	.16	5130.00	5130.00	5210.00	5566.82
10692.000	120.45	.00	121.04	654.93	1356.53	6070.50	5029.96	.00	.00	5000.01	5044.00	.00
10692.000	121.28	.83	121.93	320.00	688.74	6456.75	5311.51	320.00	4980.00	5000.01	5044.00	5300.00
10853.000	121.03	.00	121.55	672.06	1366.67	5919.51	5170.82	.00	.00	5000.01	5044.00	.00
10853.000	121.81	.78	122.42	320.00	682.04	6398.33	5376.63	320.00	4980.00	5000.01	5044.00	5300.00
10854.000	121.43	.00	121.65	690.61	1928.56	3469.92	7058.52	.00	.00	5000.00	5045.00	.00
10854.000	122.22	.79	122.52	320.00	1028.47	3770.64	7657.89	320.00	4980.00	5000.00	5045.00	5300.00
10866.000	121.50	.00	121.71	693.75	1931.10	3448.73	7077.17	.00	.00	5000.00	5045.00	.00
10866.000	122.29	.79	122.59	320.00	1027.48	3755.50	7674.02	320.00	4980.00	5000.00	5045.00	5300.00
10867.000	121.39	.00	121.83	688.44	1332.19	6055.65	5069.16	.00	.00	5000.01	5050.00	.00
10867.000	122.17	.79	122.71	320.00	670.85	6590.33	5195.82	320.00	4980.00	5000.01	5050.00	5300.00
10907.000	121.47	.00	121.95	680.97	1324.69	6137.54	4994.77	.00	.00	5000.01	5050.00	.00
10907.000	122.26	.79	122.82	320.00	671.41	6640.09	5145.50	320.00	4980.00	5000.01	5050.00	5300.00
11793.000	123.91	.00	124.11	883.81	2140.42	2763.33	7553.25	.00	.00	5000.00	5023.75	.00
11793.000	124.73	.82	124.96	510.00	1506.13	2947.25	8003.62	510.00	4958.00	5000.00	5023.75	5468.00
11873.000	124.11	.00	124.29	889.33	2112.97	2682.04	7661.99	.00	.00	5000.00	5023.75	.00
11873.000	124.91	.80	125.14	490.00	1245.95	2972.74	8238.31	490.00	4968.00	5000.00	5023.75	5458.00
11874.000	124.19	.00	124.31	891.26	2928.05	1715.23	7813.72	.00	.00	5000.00	5023.75	.00
11874.000	124.94	.74	125.15	392.00	1380.53	2134.66	8941.80	392.00	4980.00	5000.00	5023.75	5372.00
11886.000	124.24	.00	124.36	892.21	2929.68	1709.94	7817.38	.00	.00	5000.00	5023.75	.00
11886.000	125.00	.76	125.21	392.00	1379.49	2130.68	8946.83	392.00	4980.00	5000.00	5023.75	5372.00
11887.000	124.22	.00	124.39	891.77	2116.60	2657.86	7682.54	.00	.00	5000.00	5023.75	.00
11887.000	125.00	.78	125.22	490.00	1243.32	2956.89	8256.79	490.00	4968.00	5000.00	5023.75	5458.00
11906.000	124.25	.00	124.43	889.62	2106.19	2670.03	7680.78	.00	.00	5000.00	5023.75	.00
11906.000	125.06	.80	125.27	510.00	1478.95	2876.02	8102.03	510.00	4958.00	5000.00	5023.75	5468.00
12870.000	126.22	.00	126.57	754.98	4096.94	6646.70	1713.36	.00	.00	5700.00	5783.00	.00
12870.000	127.01	.78	127.42	445.00	4191.35	7336.44	929.21	445.00	5375.00	5700.00	5783.00	5820.00
14980.000	130.66	.00	130.95	630.63	799.07	6102.28	5555.65	.00	.00	5081.00	5159.00	.00
14980.000	131.46	.80	131.80	400.00	5.64	6698.08	5753.28	400.00	5080.00	5081.00	5159.00	5480.00

02-26-86

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PAGE 30

SECNO	CUSEL	DIFKVS	EG	TOPMID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
15280.000	131.19	.00	131.51	970.51	2718.74	5681.75	4056.51	.00	.00	4976.00	5032.00	.00
15280.000	131.97	.78	132.36	375.00	2360.72	6171.63	3924.65	375.00	4860.00	4976.00	5032.00	5235.00

02-26-86 00:25:13

FLOODWAY DATA, MULBERRY CREEK
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
140.000	390.	3452.	3.7	95.3	95.3	.0
141.000	390.	3379.	3.8	95.5	95.5	.0
159.000	390.	3452.	3.7	95.6	95.6	.0
160.000	390.	3562.	3.6	95.5	95.5	.0
197.000	390.	3522.	3.6	95.7	95.6	-.1
2210.000	514. <i>A</i>	4138.	3.1	100.2	99.5	-.7
3782.200	265.	2530.	5.0	103.8	103.1	-.7
4365.200	225.	2367.	5.4	105.4	104.7	-.7
4366.200	154.	1475.	8.7	105.1	104.2	-.9
4393.800	154.	1504.	8.5	105.3	104.5	-.8
4394.800	143.	1592.	8.0	105.6	105.0	-.6
4539.800	143.	1687.	7.6	106.3	105.8	-.5
6320.000	409. <i>B</i>	4006.	3.2	110.3	109.6	-.7
8430.000	437. <i>C</i>	3410.	3.7	114.5	113.7	-.8
10692.000	320.	2872.	4.3	121.3	120.5	-.8
10853.000	320.	2977.	4.2	121.8	121.0	-.8
10854.000	320.	2974.	4.2	122.2	121.4	-.8
10866.000	320.	2996.	4.2	122.3	121.5	-.8
10867.000	320.	3084.	4.0	122.2	121.4	-.8
10907.600	320.	3033.	4.1	122.3	121.5	-.8
11793.000	510.	4689.	2.7	124.7	123.9	-.8
11873.000	490.	4600.	2.7	124.9	124.1	-.8
11874.000	392.	3859.	3.2	124.9	124.2	-.7
11886.000	392.	3876.	3.2	125.0	124.2	-.8
11887.000	490.	4643.	2.7	125.0	124.2	-.8
11906.000	510.	4790.	2.6	125.1	124.3	-.8
12870.000	445. <i>D</i>	3476.	3.6	127.0	126.2	-.8
14980.000	400. <i>E</i>	3552.	3.5	131.5	130.7	-.8
15280.000	375.	3539.	3.5	132.0	131.2	-.8