

SUMMARY OF ERRORS AND SPECIAL NOTES

ROANOKE

RIVER

THIS RUN EXECUTED 01-06-89 10:24:28

 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

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C
T1      Hayes, Seay, Hattern & Hattern          Martin Co. NC FI
T2      Filename:RR.HEC          Eng:EKL ET:CJB      Comm. No. 2353D
T3      Roanoke River          Date: 12/30/88        10-Year Event

J1  ICHECK  INO      NINV      IDIR      STRT      METRIC  HVINS      Q          WSEL      FQ
      0.      2.        0.        0.        .000050   .00       .0          9.        10.000   .000

J2  NPROF   IPLOT   PRFVS   XSELV   XSECH   FM        ALLDC   IBW      CHNIM   ITRACE
      1.000   .000   -1.000  .000   .000   .000     .000     .000     .000   .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT
      150.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

NC      .110      .110      .040      .100      .300      .000      .000      .000      .000      .000
NH      3.000      .110  16882.500 .040  17126.500 .110  46586.500 .000 .000 .000 .000
QT      5.000  25000.000 35000.000 49000.000 132000.000 49000.000 .000 .000 .000 .000
    
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==== HEC-2 Input file created with CodeH2 =====
==== Version: 3.51 =====
==== CodeH2 Copyrighted 1986, 1987, 1988 =====
==== Run Date: Friday January 6, 1989 =====
==== Run Time: 10:24:18 =====
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Cross Section A

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X1 151325.000 30.000 16882.500 17126.500 151325.000 151325.000 151325.000 .000 .000 .000
GR 24.000 16315.500 22.400 16565.500 22.000 16662.500 20.000 16740.500 18.000 16815.500
GR 16.000 16832.500 14.000 16844.500 12.000 16853.500 10.000 16863.500 8.000 16869.500
GR 6.000 16877.500 4.000 16882.500 2.990 16887.500 -9.850 16932.500 -15.450 16977.500
GR -27.450 17022.500 -37.460 17067.500 2.990 17112.500 4.000 17126.500 4.300 17180.500
GR 4.000 17234.500 2.200 17684.500 5.000 42020.500 5.000 42770.500 5.000 46170.500
GR 10.000 46254.500 15.000 46334.500 20.000 46398.500 25.000 46442.500 30.000 46586.500

NH 3.000 .110 16847.000 .040 17158.000 .110 44298.000 .000 .000 .000
    
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Cross Section B

X1	162262.000	39.000	16847.000	17158.000	10937.000	10937.000	10937.000	.000	.000	.000
GR	25.000	15150.000	24.000	15160.000	22.000	15170.000	20.000	15180.000	18.000	15188.000
GR	16.000	15202.000	14.000	15206.000	12.000	15217.000	10.000	15229.000	8.000	15244.000
GR	6.000	15259.000	4.700	15423.000	4.000	15551.000	3.400	15586.000	3.400	16106.000
GR	3.400	16806.000	4.000	16827.000	5.000	16847.000	4.000	16867.000	3.580	16894.990
GR	3.600	16895.000	-9.260	16937.000	-14.860	16979.000	-26.860	17021.000	-36.870	17063.000
GR	3.580	17105.000	3.900	17158.000	3.300	17282.000	5.000	34988.000	5.000	37458.000
GR	10.000	37694.000	5.000	37794.000	5.000	40314.000	5.000	44080.000	10.000	44116.000
GR	15.000	44170.000	20.000	44259.000	25.000	44256.000	30.000	44298.000	.000	.000
NH	3.000	.110	16893.000	.040	17285.000	.110	39395.000	.000	.000	.000

Cross Section C

X1	171586.000	32.000	16893.000	17285.000	9324.000	9324.000	9324.000	.000	.000	.000
GR	27.500	9923.000	25.000	10203.000	20.000	10503.000	5.000	10603.000	4.100	16603.000
GR	4.100	16893.000	-17.750	16935.800	-20.950	16978.600	-20.350	17021.400	-19.350	17064.200
GR	4.100	17107.000	6.000	17140.000	7.000	17285.000	6.000	17433.000	5.800	17595.000
GR	4.000	19235.000	3.700	19435.000	3.700	21105.000	5.000	26165.000	5.000	28235.000
GR	10.000	29895.000	11.000	30001.000	0.000	30107.000	5.000	31667.000	5.000	33757.000
GR	5.000	36797.000	5.000	38817.000	10.000	38887.000	15.000	38985.000	20.000	39085.000
GR	25.000	39305.000	30.000	39395.000	000	.000	.000	.000	.000	.000
NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000

Cross Section D

X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1758.000	5.000	1858.000	4.200	15550.000
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192720.000	113.000	16391.950	17307.040	11395.000	11395.000	11395.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	6.010	16391.970	6.010	16392.000	6.010	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000

GR	-24.320	16954.500	16954.510	16960.000	-23.580	16960.010	16964.000
GR	-23.050	16964.010	16969.510	16969.510	-21.990	16972.000	16982.000
GR	14.010	16987.000	16992.000	16994.900	-20.990	16995.000	17032.000
GR	-18.990	17041.990	17042.000	17053.900	-18.990	17072.000	17078.900
GR	14.010	17079.000	17087.000	17091.990	-11.990	17092.000	17104.500
GR	-3.630	17104.510	17107.000	17110.000	-1.530	17110.010	17114.000
GR	-9.70	17114.010	17119.500	17119.510	.150	17122.000	17128.000
GR	4.010	17133.000	17142.000	17154.000	9.010	17192.000	17226.990
GR	9.010	17227.000	17230.000	17230.010	9.030	17234.000	17234.010
GR	9.040	17242.000	17307.020	17307.030	9.190	17307.040	17316.820
GR	9.270	17342.000	17404.000	17421.000	20.010	17439.000	17484.000
GR	21.910	17549.000	17620.000	18400.000	.000	.000	.000
NH	3.000	.110	.035	.110	18400.000	.000	.000
X1	192721.000	113.000	17307.040	1.000	1.000	.300	.000
X3	10.000	.000	.000	.000	.000	20.000	.000
BT	-113.000	14509.990	20.010	20.020	20.000	14528.000	10.010
BT	.000	14544.000	5.110	14510.000	20.580	15902.030	5.990
BT	.000	16042.000	27.430	16341.990	41.000	16342.000	6.010
BT	.000	16378.480	42.640	16391.950	43.230	16391.960	6.010
BT	.000	16391.970	43.230	16392.000	36.740	16442.000	39.110
BT	.000	16462.000	46.160	16465.000	39.750	16465.010	6.010
BT	.000	16469.000	46.360	16469.010	39.870	16492.000	40.510
BT	.000	16540.000	48.630	16540.010	6.010	16542.000	6.010
BT	.000	16544.000	48.770	16544.010	42.280	16592.000	43.910
BT	.000	16615.000	50.680	16615.010	6.010	16619.000	6.010
BT	.000	16619.010	50.720	16642.000	44.510	16690.000	46.910
BT	.000	16690.010	53.400	16692.000	6.510	16694.000	6.530
BT	.000	16694.010	53.540	16742.000	47.910	16765.000	47.960
BT	.000	16765.010	54.450	16768.990	54.450	16769.010	47.960
BT	.000	16792.000	54.500	16840.000	54.980	16840.010	7.950
BT	.000	16842.000	55.000	16844.000	7.990	16844.010	48.510
BT	.000	16846.000	55.000	16851.000	48.510	16855.000	48.510
BT	.000	16862.000	55.000	16992.000	48.510	16922.000	48.930
BT	.000	16942.000	55.700	16954.500	55.880	16954.510	49.390
BT	.000	16960.000	55.950	16960.010	11.220	16964.000	11.220
BT	.000	16964.010	56.010	16969.500	49.600	16969.510	49.600
BT	.000	16972.000	56.120	16982.000	49.770	16987.000	49.840
BT	.000	16992.000	56.400	16994.900	56.420	16995.000	49.930
BT	.000	17032.000	56.640	17041.990	50.210	17042.000	50.210
BT	.000	17053.000	56.630	17072.000	50.030	17078.900	49.990
BT	.000	17079.000	56.480	17087.000	49.910	17091.990	49.910
BT	.000	17092.000	56.400	17104.500	49.910	17104.510	49.910
BT	.000	17107.000	56.400	17110.000	49.910	17110.010	49.910
BT	.000	17114.000	56.400	17114.010	49.910	17119.500	49.910
BT	.000	17119.510	56.400	17122.000	49.910	17128.000	49.910
BT	.000	17133.000	56.400	17142.000	49.910	17154.000	49.910
BT	.000	17192.000	56.400	17226.990	49.210	17227.000	49.210
BT	.000	17230.000	55.640	17230.010	10.490	17234.000	12.460
BT	.000	17234.010	55.560	17242.000	48.910	17307.020	48.480
BT	.000	17307.030	54.970	17307.040	9.190	17316.820	9.210
BT	.000	17342.000	54.000	17404.000	9.410	17421.000	10.010
BT	.000	17459.000	52.320	17484.000	21.010	17549.000	21.910
BT	.000	17620.000	50.000	18400.000	21.010	.000	.000

GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	36.740	16391.970	36.730	16392.000	14.790	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	11.220	16954.510	11.220	16960.000	11.220	16960.010	11.220	16964.000
GR	11.220	16964.010	11.220	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	10.520	17104.510	10.520	17107.000	10.520	17110.000	10.520	17110.010	10.520	17114.000
GR	10.520	17114.010	10.520	17119.500	-.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	10.490	17230.000	10.490	17230.010	12.460	17234.000	12.470	17234.010
GR	16.410	17242.000	48.480	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000

NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000
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New US 13/17

X1	192809.000	113.000	16391.950	17307.040	88.000	88.000	88.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.010	20.000	14510.000	20.000	17.990	14528.000	20.010	10.000
BT	.000	14544.000	20.020	5.100	15322.000	20.580	5.900	15900.000	21.000	5.980
BT	.000	16042.000	27.430	6.000	16341.990	41.000	6.000	16342.000	41.000	6.000
BT	.000	16378.480	42.640	6.000	16391.950	43.230	6.000	16391.960	43.230	6.000
BT	.000	16391.970	43.230	36.730	16392.000	43.230	36.730	16442.000	45.600	39.100
BT	.000	16462.000	46.160	39.660	16465.000	46.240	39.740	16465.010	46.240	6.000
BT	.000	16469.000	46.360	6.000	16469.010	46.360	39.860	16492.000	47.000	40.500
BT	.000	16540.000	48.630	42.130	16540.010	48.630	6.000	16542.000	48.700	6.000
BT	.000	16544.000	48.770	6.000	16544.010	48.770	42.270	16592.000	50.400	43.900
BT	.000	16615.000	50.680	44.180	16615.010	50.680	6.000	16619.000	50.720	6.000
BT	.000	16619.010	50.720	44.220	16642.000	51.000	44.500	16690.000	53.400	46.900
BT	.000	16690.010	53.400	6.480	16692.000	53.500	6.500	16694.000	53.540	6.520
BT	.000	16694.010	53.540	47.040	16742.000	54.400	47.900	16755.000	54.450	47.950
BT	.000	16765.010	54.450	7.220	16768.990	54.450	7.260	16769.010	54.450	47.950
BT	.000	16792.000	54.500	48.000	16840.000	54.980	48.480	16840.010	54.980	7.940
BT	.000	16842.000	55.000	7.960	16844.000	55.000	7.980	16844.010	55.000	48.500
BT	.000	16846.000	55.000	48.500	16851.000	55.000	48.500	16855.000	55.000	48.500
BT	.000	16862.000	55.000	48.500	16892.000	55.000	48.500	16922.000	55.420	48.920
BT	.000	16942.000	55.700	49.200	16954.500	55.880	49.380	16954.510	55.880	49.380
BT	.000	16960.000	55.950	49.450	16960.010	55.950	11.210	16964.000	56.010	11.210
BT	.000	16964.010	56.010	49.510	16969.500	56.090	49.590	16969.510	56.090	49.590
BT	.000	16972.000	56.120	49.620	16982.000	56.260	49.760	16987.000	56.330	49.830
BT	.000	16992.000	56.400	49.900	16994.900	56.420	49.920	16995.000	56.420	49.920
BT	.000	17032.000	56.640	50.140	17041.990	56.700	50.200	17042.000	56.700	50.200

BT	.000	17053.000	56.630	50.130	17072.000	56.520	50.020	17078.900	56.480	49.980
BT	.000	17079.000	56.480	49.980	17087.000	56.430	49.930	17091.990	56.400	49.900
BT	.000	17092.000	56.400	49.900	17104.500	56.400	49.900	17104.510	56.400	49.900
BT	.000	17107.000	56.400	49.900	17110.000	56.400	49.900	17110.010	56.400	10.510
BT	.000	17114.000	56.400	10.510	17114.010	56.400	49.900	17119.500	56.400	49.900
BT	.000	17119.510	56.400	49.900	17122.000	56.400	49.900	17128.000	56.400	49.900
BT	.000	17133.000	56.400	49.900	17142.000	56.400	49.900	17154.000	56.400	49.900
BT	.000	17192.000	56.400	49.900	17226.990	55.700	49.200	17227.000	55.700	49.200
BT	.000	17230.000	55.640	49.140	17230.010	55.640	10.480	17234.000	55.560	12.450
BT	.000	17234.010	55.560	49.060	17242.000	55.400	48.900	17307.020	54.970	48.470
BT	.000	17307.030	54.970	28.820	17307.040	54.970	9.180	17316.820	54.800	9.200
BT	.000	17342.000	54.000	9.260	17404.000	53.110	9.400	17421.000	52.860	10.000
BT	.000	17459.000	52.320	20.000	17484.000	51.960	21.000	17549.000	51.020	21.900
BT	.000	17620.000	50.000	21.820	18400.000	21.020	21.000	.000	.000	.000
GR	20.000	14509.990	19.990	14510.000	10.000	14528.000	5.100	14544.000	5.900	15322.000
GR	5.980	15900.000	6.000	16042.000	6.000	16341.990	6.000	16342.000	6.000	16378.480
GR	6.000	16391.950	6.000	16391.960	36.730	16391.970	36.720	16392.000	14.780	16442.000
GR	6.000	16462.000	6.000	16465.000	6.000	16465.010	6.000	16469.000	6.000	16469.010
GR	6.000	16492.000	6.000	16540.000	6.000	16540.010	6.000	16542.000	6.000	16544.000
GR	6.000	16544.010	6.000	16592.000	6.000	16615.000	6.000	16615.010	6.000	16619.000
GR	6.000	16619.010	6.000	16642.000	6.480	16690.000	6.480	16690.010	6.500	16692.000
GR	6.520	16694.000	6.520	16694.010	7.000	16742.000	7.220	16765.000	7.220	16765.010
GR	7.260	16768.990	7.260	16769.010	7.480	16792.000	7.940	16840.000	7.940	16840.010
GR	7.960	16842.000	7.980	16844.000	7.980	16844.010	8.000	16846.000	7.000	16851.000
GR	2.640	16855.000	-5.000	16862.000	-20.000	16892.000	-27.000	16922.000	-26.000	16942.000
GR	-24.330	16954.500	11.210	16954.510	11.210	16960.000	11.210	16960.010	11.210	16964.000
GR	11.210	16964.010	11.210	16969.500	-22.330	16969.510	-22.000	16972.000	-22.000	16982.000
GR	14.000	16987.000	14.000	16992.000	14.000	16994.900	-21.000	16995.000	-20.000	17032.000
GR	-19.000	17041.990	-18.990	17042.000	-18.000	17053.000	-17.000	17072.000	-15.000	17078.900
GR	14.000	17079.000	14.000	17087.000	-11.940	17091.990	-12.000	17092.000	-3.650	17104.500
GR	10.510	17104.510	10.510	17107.000	10.510	17110.000	10.510	17110.010	10.510	17114.000
GR	10.510	17114.010	10.510	17119.500	-.200	17119.510	.140	17122.000	1.000	17128.000
GR	4.000	17133.000	7.000	17142.000	9.000	17154.000	9.000	17192.000	9.000	17226.990
GR	9.000	17227.000	10.480	17230.000	10.480	17230.010	12.450	17234.000	12.460	17234.010
GR	16.400	17242.000	48.470	17307.020	9.180	17307.030	9.180	17307.040	9.200	17316.820
GR	9.260	17342.000	9.400	17404.000	10.000	17421.000	20.000	17459.000	21.000	17484.000
GR	21.900	17549.000	21.820	17620.000	21.000	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192810.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.440	14509.990	20.430	14510.000	10.440	14528.000	5.540	14544.000	6.340	15322.000
GR	6.440	15900.000	6.440	16042.000	6.440	16341.990	6.440	16342.000	6.440	16378.480
GR	6.440	16391.950	6.440	16391.960	6.440	16391.970	6.440	16392.000	6.440	16442.000
GR	6.440	16462.000	6.440	16465.000	6.440	16465.010	6.440	16469.000	6.440	16469.010
GR	6.440	16492.000	6.440	16540.000	6.440	16540.010	6.440	16542.000	6.440	16544.000
GR	6.440	16544.010	6.440	16592.000	6.440	16615.000	6.440	16615.010	6.440	16619.000
GR	6.440	16619.010	6.440	16642.000	6.920	16690.000	6.920	16690.010	6.940	16692.000
GR	6.960	16694.000	6.960	16694.010	7.440	16742.000	7.660	16765.000	7.660	16765.010
GR	7.700	16768.990	7.700	16769.010	7.920	16792.000	8.380	16840.000	8.380	16840.010
GR	8.400	16842.000	8.420	16844.000	8.420	16844.010	8.440	16846.000	7.440	16851.000
GR	3.080	16855.000	-4.560	16862.000	-19.560	16892.000	-26.560	16922.000	-25.560	16942.000
GR	-23.890	16954.500	-23.890	16954.510	-23.160	16960.000	-23.140	16960.010	-22.620	16964.000
GR	-22.620	16964.010	-21.890	16969.500	-21.890	16969.510	-21.560	16972.000	-21.560	16982.000

GR	14.440	16987.000	14.440	16992.000	14.440	16994.900	-20.560	16995.000	-19.560	17032.000
GR	-18.560	17041.990	-18.550	17042.000	-17.560	17053.000	-16.560	17072.000	-14.560	17078.900
GR	14.440	17079.000	14.440	17087.000	-11.500	17091.990	-11.560	17092.000	-3.210	17104.500
GR	-3.200	17104.510	-1.550	17107.000	-1.120	17110.000	-1.120	17110.010	-.550	17114.000
GR	-.540	17114.010	.230	17119.500	.230	17119.510	.580	17122.000	1.440	17128.000
GR	4.440	17133.000	7.440	17142.000	9.440	17154.000	9.440	17192.000	9.440	17226.990
GR	9.440	17227.000	9.450	17230.000	9.450	17230.010	9.460	17234.000	9.460	17234.010
GR	9.470	17242.000	9.620	17307.020	9.620	17307.030	9.620	17307.040	9.640	17316.820
GR	9.700	17342.000	9.840	17404.000	10.440	17421.000	20.440	17459.000	21.440	17484.000
GR	22.340	17549.000	22.260	17620.000	21.440	18400.000	.000	.000	.000	.000

NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000
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Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27618.000	27618.000	27618.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17539.500	5.800	17551.500
GR	5.500	17911.500	5.500	23521.500	5.500	24631.500	6.560	25011.500	9.840	25331.500
GR	11.490	25541.500	9.840	25751.500	6.560	26827.500	6.560	31093.500	6.560	32345.500
GR	13.120	32517.500	13.120	33445.500	19.690	33545.500	26.250	33615.500	32.810	33665.500
GR	39.370	33725.500	45.930	33765.500	52.490	33821.500	.000	.000	.000	.000

NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16865.500	.050	17191.500	.110	40739.500	.000	.000	.000

Cross Section F

X1	232663.000	43.000	16865.500	17191.500	12235.000	12235.000	12235.000	.000	.000	.000
GR	28.900	16346.500	28.000	16436.500	28.000	16606.500	28.000	16684.500	28.000	16736.500
GR	28.000	16751.500	26.000	16760.500	24.000	16767.500	22.000	16775.500	20.000	16787.500
GR	18.000	16800.500	16.000	16824.500	14.000	16347.500	12.000	16856.500	10.000	16865.500
GR	8.000	16871.500	7.150	16872.500	-13.900	16923.500	-17.800	16974.500	-12.290	17025.500
GR	-15.190	17076.500	7.150	17127.500	8.000	17136.500	10.000	17165.500	10.500	17191.500
GR	10.000	17333.500	8.000	17803.500	8.000	18133.500	6.000	19225.500	6.000	20435.500
GR	6.100	20715.500	6.560	30335.500	9.840	30825.500	11.480	31051.500	9.840	31281.500
GR	6.560	31693.500	6.560	32313.500	9.840	32523.500	9.840	36903.500	13.120	40579.500
GR	19.690	40637.500	26.250	40677.500	32.810	40739.500	.000	.000	.000	.000

NH	3.000	.120	16862.000	.050	17157.000	.120	41273.000	.000	.000	.000
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Cross Section G

X1	241047.000	37.000	16862.000	17157.000	8384.000	8384.000	8384.000	.000	.000	.000
GR	31.500	16809.000	30.000	16834.000	28.000	16843.000	20.000	16854.000	10.000	16862.000
GR	7.600	16865.000	7.600	16915.000	-13.450	16949.000	-17.350	16983.000	-11.850	17017.000
GR	-14.750	17051.000	7.600	17085.000	7.600	17135.000	8.000	17137.000	10.000	17140.000
GR	12.000	17147.000	13.200	17157.000	12.000	17243.000	11.600	17423.000	11.400	17833.000
GR	10.000	18055.000	6.560	19945.000	6.560	31507.000	9.840	31565.000	13.120	31745.000
GR	14.760	31901.000	13.120	32041.000	13.120	32139.000	14.760	32329.000	13.120	32509.000

THIS RUN EXECUTED 01-06-89 10:29:57

 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

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECCO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
151325.000	.00	.00	.00	-37.46	25000.00	6.44	.00	6.47	.50	1.97	82270.08	35384.15
151325.000	.00	.00	.00	-37.46	35000.00	7.38	.00	7.40	.50	2.02	109942.50	49584.56
151325.000	.00	.00	.00	-37.46	49000.00	8.48	.00	8.50	.50	2.09	142118.30	69326.65
151325.000	.00	.00	.00	-37.46	132000.00	13.13	.00	13.15	.50	2.35	278985.40	186479.00
162262.000	10937.00	.00	.00	-36.87	25000.00	7.04	.00	7.06	.59	1.82	80440.43	32428.95
162262.000	10937.00	.00	.00	-36.87	35000.00	7.97	.00	7.99	.57	1.85	107125.30	46213.62
162262.000	10937.00	.00	.00	-36.87	49000.00	9.06	.00	9.08	.56	1.91	138435.40	65459.80
162262.000	10937.00	.00	.00	-36.87	132000.00	13.70	.00	13.71	.54	2.15	272553.20	180266.00
171586.000	9324.00	.00	.00	-20.95	25000.00	7.63	.00	7.64	.65	1.62	79860.95	30994.99
171586.000	9324.00	.00	.00	-20.95	35000.00	8.54	.00	8.55	.63	1.67	104314.50	44021.55
171586.000	9324.00	.00	.00	-20.95	49000.00	9.61	.00	9.62	.62	1.74	133890.10	62274.38
171586.000	9324.00	.00	.00	-20.95	132000.00	14.22	.00	14.23	.58	2.01	264391.40	173496.30
181325.000	9739.00	.00	.00	-18.56	25000.00	8.26	.00	8.27	.65	1.64	76045.89	31075.51
181325.000	9739.00	.00	.00	-18.56	35000.00	9.16	.00	9.18	.66	1.74	98830.94	43228.42
181325.000	9739.00	.00	.00	-18.56	49000.00	10.23	.00	10.25	.66	1.83	125754.60	60398.34
181325.000	9739.00	.00	.00	-18.56	132000.00	14.82	.00	14.84	.67	2.19	241403.40	161855.40
192720.000	11395.00	.00	.00	-26.99	25000.00	9.67	.00	9.81	3.75	2.96	8448.40	12904.03
192720.000	11395.00	.00	.00	-26.99	35000.00	10.69	.00	10.91	5.24	3.74	9366.62	15283.87
192720.000	11395.00	.00	.00	-26.99	49000.00	11.84	.00	12.19	7.30	4.71	10399.78	18140.76
192720.000	11395.00	.00	.00	-26.99	132000.00	16.32	.00	17.61	18.20	9.13	14464.32	30942.58
192721.000	1.00	20.01	50.21	-26.99	25000.00	9.65	.00	9.83	3.86	3.37	7414.64	12726.21
192721.000	1.00	20.01	50.21	-26.99	35000.00	10.66	.00	10.95	5.78	4.31	8127.32	14562.14
192721.000	1.00	20.01	50.21	-26.99	49000.00	11.78	.00	12.25	8.49	5.48	8943.20	16820.72
192721.000	1.00	20.01	50.21	-26.99	132000.00	16.05	.00	17.89	23.86	10.87	12139.58	27021.37
192809.000	88.00	20.00	50.20	-27.00	25000.00	9.69	.00	9.86	3.81	3.36	7445.46	12808.53
192809.000	88.00	20.00	50.20	-27.00	35000.00	10.71	.00	11.00	5.68	4.28	8169.59	14682.22
192809.000	88.00	20.00	50.20	-27.00	49000.00	11.86	.00	12.32	8.30	5.44	9006.12	17009.88
192809.000	88.00	20.00	50.20	-27.00	132000.00	16.34	.00	18.11	22.46	10.67	12371.51	27849.92

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
192810.000	1.00	.00	.00	-26.56	25000.00	9.72	.00	9.87	4.29	3.08	8109.07	12063.90
192810.000	1.00	.00	.00	-26.56	35000.00	10.78	.00	11.01	5.85	3.86	9061.01	14474.79
192810.000	1.00	.00	.00	-26.56	49000.00	11.99	.00	12.35	7.91	4.83	10147.96	17427.37
192810.000	1.00	.00	.00	-26.56	132000.00	17.02	.00	18.27	17.19	8.97	14712.96	31834.12
220428.000	27618.60	.00	.00	-24.56	25000.00	11.42	.00	11.43	.20	1.22	89707.02	55255.96
220428.000	27618.00	.00	.00	-24.56	35000.00	12.80	.00	12.81	.22	1.33	113259.70	73960.17
220428.000	27618.00	.00	.00	-24.56	49000.00	14.40	.00	14.41	.24	1.46	141817.90	99273.09
220428.000	27612.00	.00	.00	-24.56	132000.00	21.14	.00	21.15	.29	1.89	264368.10244962.20	
232663.000	12235.00	.00	.00	-17.80	25000.00	11.74	.00	11.74	.32	1.12	92263.05	44264.88
232663.000	12235.00	.00	.00	-17.80	35000.00	13.12	.00	13.12	.30	1.14	123988.40	64296.97
232663.000	12235.00	.00	.00	-17.80	49000.00	14.72	.00	14.73	.28	1.16	162010.30	93045.23
232663.000	12235.00	.00	.00	-17.80	132000.00	21.48	.00	21.48	.25	1.32	322880.50265923.30	
241047.000	8384.00	.00	.00	-17.35	25000.00	12.08	.00	12.08	.53	1.26	76149.19	34305.25
241047.000	8384.00	.00	.00	-17.35	35000.00	13.44	.00	13.45	.53	1.31	98634.38	48280.16
241047.000	8384.00	.00	.00	-17.35	49000.00	15.02	.00	15.03	.49	1.35	134118.70	69666.92
241047.000	8384.00	.00	.00	-17.35	132000.00	21.73	.00	21.74	.39	1.50	290945.90210801.60	

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECHO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
151325.000	25000.00	6.44	.00	.00	-3.56	29318.93	.00
151325.000	35000.00	7.38	.94	.00	-2.62	29338.56	.00
151325.000	49000.00	8.48	1.10	.00	-1.52	29360.88	.00
151325.000	132000.00	13.13	4.65	.00	3.13	29456.23	.00
162262.000	25000.00	7.04	.00	.60	.00	28585.36	10937.00
162262.000	35000.00	7.97	.93	.59	.00	28680.33	10937.00
162262.000	49000.00	9.06	1.09	.58	.00	28791.36	10937.00
162262.000	132000.00	13.70	4.64	.57	.00	28948.34	10937.00
171586.000	25000.00	7.63	.00	.59	.00	26527.75	9324.00
171586.000	35000.00	8.54	.91	.57	.00	27133.54	9324.00
171586.000	49000.00	9.61	1.08	.55	.00	27848.60	9324.00
171586.000	132000.00	14.22	4.61	.52	.00	28428.24	9324.00
181325.000	25000.00	8.26	.00	.63	.00	25114.51	9739.00
181325.000	35000.00	9.16	.91	.63	.00	25146.61	9739.00
181325.000	49000.00	10.23	1.07	.62	.00	25161.90	9739.00
181325.000	132000.00	14.82	4.59	.60	.00	25230.58	9739.00
192720.000	25000.00	9.67	.00	1.41	.00	897.72	11395.00
192720.000	35000.00	10.69	1.02	1.53	.00	898.07	11395.00
192720.000	49000.00	11.84	1.15	1.61	.00	898.46	11395.00
192720.000	132000.00	16.32	4.48	1.50	.00	915.09	11395.00
192721.000	25000.00	9.65	.00	-.02	.00	727.26	1.00
192721.000	35000.00	10.66	1.01	-.04	.00	746.94	1.00
192721.000	49000.00	11.78	1.12	-.06	.00	767.15	1.00
192721.000	132000.00	16.05	4.27	-.27	.00	802.18	1.00
192809.000	25000.00	9.69	.00	.04	.00	727.46	88.00
192809.000	35000.00	10.71	1.03	.05	.00	747.21	88.00
192809.000	49000.00	11.86	1.15	.08	.00	767.54	88.00
192809.000	132000.00	16.34	4.48	.29	.00	803.48	88.00
192810.000	25000.00	9.72	.00	.04	.00	897.60	1.00
192810.000	35000.00	10.78	1.06	.07	.00	897.96	1.00
192810.000	49000.00	11.99	1.21	.13	.00	898.36	1.00
192810.000	132000.00	17.02	5.03	.68	.00	915.09	1.00
220428.000	25000.00	11.42	.00	1.70	.00	17089.38	27618.00
220428.000	35000.00	12.80	1.38	2.02	.00	17148.00	27618.00
220428.000	49000.00	14.40	1.60	2.41	.00	18112.17	27618.00
220428.000	132000.00	21.14	6.74	4.12	.00	18237.54	27618.00

SECNO	Q	CWSEL	DIFWSP	DIFWSK	DIFKWS	TOPWD	XLCH
232663.000	25000.00	11.74	.00	.31	.00	22173.05	12235.00
232663.000	35000.00	13.12	1.38	.32	.00	23728.04	12235.00
232663.000	49000.00	14.72	1.60	.32	.00	23754.44	12235.00
232663.000	132000.00	21.48	6.75	.34	.00	23869.75	12235.00
241047.000	25000.00	12.08	.00	.34	.00	14737.58	8384.00
241047.000	35000.00	13.44	1.37	.32	.00	21878.53	8384.00
241047.000	49000.00	15.02	1.58	.30	.00	22876.48	8384.00
241047.000	132000.00	21.73	6.71	.26	.00	23798.12	8384.00

THIS RUN EXECUTED 01-06-89 09:59:49

 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 Martin Co. NC FI
 T2 Filename:RR.HEC Eng:EKL ET:CJB Comm. No. 2353D
 T3 Roanoke River Date: 12/30/88 10-Year Event

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	2.	0.	0.	.000050	.00	.0	0.	10.000	.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.070	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NC	.110	.110	.040	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16882.500	.040	17126.500	.110	46586.500	.000	.000	.000
QT	5.000	25000.000	35000.000	49000.000	132000.000	49000.000	.000	.000	.000	.000

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 ===== HEC-2 Input file created with CodeH2 =====
 ===== Version: 3.51 =====
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 ===== Run Date: Friday January 6, 1989 =====
 ===== Run Time: 09:58:34 =====
 =====

Cross Section A

X1	151325.000	30.000	16882.500	17126.500	151325.000	151325.000	151325.000	.000	.000	.000
GR	24.000	16315.500	22.400	16565.500	22.000	16662.500	20.000	16740.500	18.000	16815.500
GR	16.000	16832.500	14.000	16844.500	12.000	16853.500	10.000	16863.500	8.000	16869.500
GR	6.000	16877.500	4.000	16882.500	2.990	16887.500	-9.850	16932.500	-15.450	16977.500
GR	-27.450	17022.500	-37.460	17067.500	2.990	17112.500	4.000	17126.500	4.300	17180.500
GR	4.000	17234.500	2.200	17684.500	5.000	42020.500	5.000	42770.500	5.000	46170.500
GR	10.000	46254.500	15.000	46334.500	20.000	46398.500	25.000	46442.500	30.000	46586.500
NH	3.000	.110	16847.000	.040	17158.000	.110	44298.000	.000	.000	.000

Cross Section B

X1	162262.000	39.000	16847.000	17158.000	10937.000	10937.000	10937.000	.000	.000	.000
GR	25.000	15150.000	24.000	15160.000	22.000	15170.000	20.000	15180.000	18.000	15188.000
GR	16.000	15202.000	14.000	15206.000	12.000	15217.000	10.000	15229.000	8.000	15244.000
GR	6.000	15259.000	4.700	15423.000	4.000	15551.000	3.400	15586.000	3.400	16106.000
GR	3.400	16806.000	4.000	16827.000	5.000	16847.000	4.000	16867.000	3.580	16894.990
GR	3.600	16895.000	-9.260	16937.000	-14.860	16979.000	-26.860	17021.000	-36.870	17063.000
GR	3.580	17105.000	3.900	17158.000	3.300	17928.000	5.000	34988.000	5.000	37458.000
GR	10.000	37694.000	5.000	37894.000	5.000	40314.000	5.000	44080.000	10.000	44116.000
GR	15.000	44170.000	20.000	44216.000	25.000	44256.000	30.000	44298.000	.000	.000
NH	3.000	.110	16893.000	.040	17265.000	.110	39395.000	.000	.000	.000

Cross Section C

X1	171586.000	32.000	16893.000	17285.000	9324.000	9324.000	9324.000	.000	.000	.000
GR	27.500	9923.000	25.000	10203.000	20.000	10503.000	5.000	10603.000	4.100	16603.000
GR	4.100	16893.000	-17.750	16935.000	-20.950	16978.600	-20.350	17021.400	-19.350	17064.200
GR	4.100	17107.000	6.000	17140.000	7.000	17285.000	6.000	17433.000	5.800	17595.000
GR	4.000	19235.000	3.700	19435.000	3.700	21105.000	5.000	26165.000	5.000	28235.000
GR	10.000	29895.000	11.000	30001.000	10.000	30107.000	5.000	31667.000	5.000	33757.000
GR	5.000	36797.000	5.000	38817.000	10.000	38887.000	15.000	38985.000	20.000	39085.000
GR	25.000	39305.000	30.000	39395.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000

Cross Section D

X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1758.000	5.000	1858.000	4.200	15550.000
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	14490.990	.040	17309.000	.110	17784.000	.000	.000	.000
X1	192831.000	282.000	14490.990	17309.000	11506.000	11506.000	11506.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
GR	19.570	14279.000	19.570	14490.970	19.570	14490.980	19.570	14490.990	19.570	14491.000
GR	19.570	14491.010	19.570	14510.000	16.240	14516.000	9.570	14528.000	9.260	14529.000
GR	7.730	14534.000	7.730	14534.010	7.120	14536.000	7.120	14536.010	4.670	14544.000
GR	4.700	14578.000	4.700	14578.010	4.710	14580.000	4.710	14580.010	4.750	14622.000
GR	4.750	14622.010	4.750	14624.000	4.750	14624.010	4.800	14666.000	4.800	14666.010
GR	4.800	14668.000	4.800	14668.010	4.840	14710.000	4.840	14710.010	4.840	14712.000
GR	4.840	14712.010	4.890	14754.000	4.890	14754.010	4.890	14756.000	4.890	14756.010
GR	4.930	14798.000	4.930	14798.010	4.930	14800.000	4.930	14800.010	4.980	14842.000
GR	4.980	14842.010	4.980	14844.000	4.980	14844.010	5.020	14886.000	5.020	14886.010
GR	5.020	14888.000	5.020	14888.010	5.070	14930.000	5.070	14930.010	5.070	14932.000
GR	5.070	14932.010	5.110	14974.000	5.110	14974.010	5.110	14976.000	5.110	14976.010

BT	.000	14536.000	23.600	7.560	14536.010	23.600	18.910	14544.000	23.600	18.910
BT	.000	14578.000	23.600	18.910	14578.010	23.600	5.140	14580.000	23.600	5.150
BT	.000	14580.010	23.600	18.910	14622.000	23.600	18.910	14622.010	23.600	5.190
BT	.000	14624.000	23.600	5.190	14624.010	23.600	18.910	14666.000	23.610	18.920
BT	.000	14666.010	23.610	5.240	14668.000	23.610	5.280	14668.010	23.610	5.280
BT	.000	14710.000	23.610	18.920	14710.010	23.610	5.280	14712.000	23.610	5.330
BT	.000	14712.010	23.610	18.920	14754.000	23.610	18.920	14754.010	23.610	5.330
BT	.000	14756.000	23.610	5.330	14756.010	23.610	18.920	14798.000	23.610	18.920
BT	.000	14798.010	23.610	5.370	14800.000	23.610	5.370	14890.010	23.610	18.920
BT	.000	14842.000	23.620	18.930	14842.010	23.620	5.420	14844.000	23.620	5.420
BT	.000	14844.010	23.620	18.930	14886.000	23.620	18.930	14886.010	23.620	5.460
BT	.000	14886.000	23.620	5.460	14888.010	23.620	18.930	14930.000	23.620	18.930
BT	.000	14930.010	23.620	5.510	14932.000	23.620	5.510	14932.010	23.620	5.550
BT	.000	14976.000	23.620	18.930	14974.010	23.620	5.550	14976.000	23.620	5.550
BT	.000	15020.000	23.620	5.600	15020.010	23.620	18.930	15018.010	23.620	5.600
BT	.000	15062.010	23.630	5.640	15064.000	23.630	5.640	15062.000	23.630	18.940
BT	.000	15106.000	23.630	18.940	15106.010	23.630	5.690	15108.000	23.630	5.690
BT	.000	15108.010	23.630	18.940	15150.000	23.630	18.940	15150.010	23.630	5.730
BT	.000	15152.000	23.630	5.740	15152.010	23.630	18.940	15194.000	23.630	18.940
BT	.000	15194.010	23.630	5.780	15196.000	23.630	5.780	15196.010	23.630	5.830
BT	.000	15238.000	23.640	18.950	15238.010	23.640	5.820	15240.000	23.640	5.830
BT	.000	15240.010	23.640	18.950	15282.000	23.640	18.950	15282.010	23.640	5.870
BT	.000	15284.000	23.640	5.870	15284.010	23.640	18.950	15322.000	23.640	13.950
BT	.000	15326.000	23.640	18.950	15326.010	23.640	5.910	15328.000	23.640	5.910
BT	.000	15328.010	23.640	18.950	15370.000	23.640	18.950	15370.010	23.640	5.920
BT	.000	15372.000	23.640	5.920	15372.010	23.640	18.950	15416.000	23.650	18.960
BT	.000	15414.010	23.650	5.920	15416.000	23.650	5.930	15460.000	23.650	5.930
BT	.000	15458.000	23.650	18.960	15458.010	23.650	18.960	15502.010	23.650	5.940
BT	.000	15460.010	23.650	18.960	15502.000	23.650	18.960	15546.000	23.650	18.960
BT	.000	15504.000	23.650	5.940	15504.010	23.650	5.940	15548.010	23.650	18.960
BT	.000	15546.010	23.650	5.940	15548.000	23.650	5.940	15592.000	23.650	5.950
BT	.000	15590.000	23.650	18.960	15590.010	23.650	5.950	15592.000	23.650	5.950
BT	.000	15592.010	23.650	18.960	15634.000	23.660	18.970	15634.010	23.660	18.970
BT	.000	15636.000	23.660	5.960	15636.010	23.660	18.970	15678.000	23.660	18.970
BT	.000	15678.010	23.660	5.960	15680.000	23.660	5.960	15680.010	23.660	5.970
BT	.000	15722.000	23.660	18.970	15722.010	23.660	5.970	15724.000	23.660	5.970
BT	.000	15724.010	23.660	18.970	15766.000	23.660	18.970	15766.010	23.660	18.980
BT	.000	15768.000	23.660	5.970	15768.010	23.660	18.970	15810.000	23.670	18.980
BT	.000	15810.010	23.670	5.980	15812.000	23.670	5.980	15812.010	23.670	18.980
BT	.000	15854.000	23.670	18.980	15854.010	23.670	5.980	15856.000	23.670	5.980
BT	.000	15856.010	23.670	18.980	15898.000	23.670	18.980	15898.010	23.670	5.990
BT	.000	15900.000	23.670	5.990	15900.010	23.670	18.980	15942.000	23.670	18.980
BT	.000	15942.010	23.670	6.000	15944.000	23.670	6.000	15944.010	23.670	18.980
BT	.000	15986.000	23.670	18.980	15986.010	23.670	6.000	15988.000	23.670	6.010
BT	.000	15988.010	23.670	18.980	16030.000	23.680	18.990	16030.010	23.680	6.010
BT	.000	16032.000	23.680	6.010	16032.010	23.680	18.990	16042.000	23.680	6.010
BT	.000	16074.000	23.680	18.990	16074.010	23.680	6.060	16076.000	23.680	6.070
BT	.000	16076.010	23.680	18.990	16118.000	23.680	18.990	16118.010	23.680	6.140
BT	.000	16120.000	23.680	6.140	16120.010	23.680	18.990	16162.000	23.680	18.990
BT	.000	16162.010	23.680	6.210	16164.000	23.680	6.210	16164.010	23.680	18.990
BT	.000	16206.000	23.690	19.000	16206.010	23.690	6.280	16208.000	23.690	6.280
BT	.000	16208.010	23.690	19.000	16250.000	23.690	19.000	16250.010	23.690	6.350
BT	.000	16252.000	23.690	6.350	16252.010	23.690	19.000	16294.000	23.690	19.000

BT	.000	16294.010	23.690	6.430	16296.000	23.690	6.430	16296.010	23.690	19.000
BT	.000	16338.000	23.690	19.000	16338.010	23.690	6.500	16340.000	23.690	6.500
BT	.000	16340.010	23.690	19.000	16340.000	23.690	19.000	16382.010	23.690	6.570
BT	.000	16394.000	23.690	6.570	16384.010	23.690	19.000	16426.000	23.700	19.010
BT	.000	16426.010	23.700	6.640	16428.000	23.700	6.650	16428.010	23.700	19.010
BT	.000	16472.000	23.700	19.010	16470.010	23.700	6.720	16472.000	23.700	6.720
BT	.000	16516.000	23.700	19.010	16514.000	23.700	19.010	16514.010	23.700	6.790
BT	.000	16558.010	23.700	6.880	16560.000	23.700	6.870	16560.010	23.700	19.010
BT	.000	16602.000	23.710	19.020	16602.010	23.710	6.930	16604.000	23.710	6.940
BT	.000	16604.010	23.710	19.020	16604.000	23.710	19.020	16648.010	23.710	7.010
BT	.000	16648.000	23.710	7.010	16646.000	23.710	19.020	16690.000	23.710	19.020
BT	.000	16690.010	23.710	7.080	16692.000	23.710	7.080	16692.010	23.710	19.020
BT	.000	16734.000	23.710	19.020	16734.010	23.710	7.150	16736.000	23.710	7.160
BT	.000	16736.010	23.710	19.020	16736.000	23.710	7.080	16778.010	23.710	19.020
BT	.000	16778.010	23.710	7.080	16780.000	23.710	7.050	16780.010	23.710	19.020
BT	.000	16822.000	23.720	19.030	16822.010	23.720	6.440	16824.000	23.720	6.410
BT	.000	16824.010	23.720	19.030	16822.000	23.720	1.560	16854.500	23.720	19.030
BT	.000	16856.000	23.720	19.030	16856.010	23.720	1.560	16885.000	23.720	.850
BT	.000	16889.000	23.720	19.030	16892.250	23.720	19.030	16885.760	23.720	19.030
BT	.000	16912.700	23.760	19.070	16912.700	23.760	19.160	16980.000	23.720	19.170
BT	.000	16980.010	23.860	16.290	17000.000	23.860	16.590	17020.000	23.860	16.900
BT	.000	17020.010	23.860	19.170	17029.100	23.860	19.160	17087.500	23.860	19.070
BT	.000	17107.750	23.720	19.030	17107.760	23.720	19.040	17111.000	23.720	19.070
BT	.000	17114.250	23.730	19.030	17114.260	23.730	1.670	17134.010	23.760	19.070
BT	.000	17132.010	23.760	19.090	17134.000	23.760	19.090	17176.000	23.830	19.140
BT	.000	17145.500	23.780	19.090	17146.000	23.780	8.180	17178.010	23.830	19.150
BT	.000	17176.010	23.830	8.170	17178.000	23.830	8.410	17222.000	23.920	8.420
BT	.000	17220.000	23.910	19.220	17220.010	23.910	19.300	17264.010	23.920	8.650
BT	.000	17222.010	23.920	19.230	17264.000	23.920	14.140	17309.000	24.030	19.340
BT	.000	17266.000	23.990	8.660	17266.010	23.990	19.300	17421.000	21.890	8.890
BT	.000	17308.980	24.070	19.380	17308.990	24.070	21.010	17500.000	21.900	21.230
BT	.000	17309.010	21.890	8.890	17404.000	21.890	20.830	17784.000	20.030	20.010
BT	.000	17459.000	21.930	21.910	17484.000	21.900	20.010	14490.980	20.010	14491.000
BT	.000	17549.000	20.010	14490.970	16.680	14510.000	10.010	14529.000	9.700	14529.000
GR	20.010	14279.000	17.220	14510.000	7.560	14536.000	7.560	14536.010	5.110	14622.000
GR	18.910	14491.010	8.170	14534.010	5.150	14580.000	5.150	14580.010	5.190	14622.000
GR	8.170	14534.000	5.140	14578.010	5.190	14624.010	5.240	14666.000	5.280	14712.000
GR	5.140	14578.000	5.190	14624.000	5.280	14710.000	5.330	14756.000	5.330	14756.010
GR	5.240	14668.000	5.240	14668.010	5.330	14756.000	5.370	14800.010	5.420	14882.000
GR	5.280	14712.010	5.330	14754.000	5.370	14800.000	5.460	14886.000	5.460	14886.010
GR	5.370	14798.000	5.370	14798.010	5.420	14844.010	5.510	14930.000	5.510	14932.000
GR	5.420	14842.010	5.460	14844.000	5.510	14930.000	5.550	14976.000	5.550	14976.010
GR	5.460	14888.000	5.550	14888.010	5.600	15020.000	5.640	15062.000	5.640	15062.000
GR	5.510	14932.010	5.600	14974.000	5.640	15064.000	5.740	15152.000	5.740	15152.000
GR	5.600	15018.000	5.690	15018.010	5.730	15150.000	5.780	15196.000	5.780	15196.010
GR	5.640	15062.010	5.740	15108.010	5.780	15194.010	5.830	15240.010	5.870	15282.000
GR	5.690	15108.000	5.820	15152.010	5.830	15240.000	5.910	15322.000	5.910	15326.000
GR	5.740	15152.010	5.870	15238.000	5.870	15284.010	5.920	15370.000	5.920	15370.010
GR	5.820	15238.000	5.910	15284.000	5.910	15328.000				
GR	5.870	15282.010								
GR	5.910	15326.010								

GR	5.920	15372.000	5.920	15372.010	5.920	15414.000	5.920	15414.010	5.920	15416.000
GR	5.920	15416.010	5.930	15458.000	5.930	15458.010	5.930	15460.000	5.930	15460.010
GR	5.930	15502.000	5.940	15502.010	5.940	15504.000	5.940	15504.010	5.940	15546.000
GR	5.940	15546.010	5.940	15548.000	5.940	15548.010	5.950	15590.000	5.950	15590.010
GR	5.950	15592.000	5.950	15592.010	5.950	15634.000	5.950	15634.010	5.950	15636.000
GR	5.950	15636.010	5.960	15678.000	5.960	15678.010	5.960	15680.000	5.960	15680.010
GR	5.970	15722.000	5.970	15722.010	5.970	15724.000	5.970	15724.010	5.970	15766.000
GR	5.970	15766.010	5.970	15768.000	5.970	15768.010	5.980	15810.000	5.980	15810.010
GR	5.980	15812.000	5.980	15812.010	5.980	15854.000	5.980	15854.010	5.980	15856.000
GR	5.980	15856.010	5.990	15898.000	5.990	15898.010	5.990	15900.000	5.990	15900.010
GR	6.000	15942.000	6.000	15942.010	6.000	15944.000	6.000	15944.010	6.000	15986.000
GR	6.000	15986.010	6.000	15988.000	6.000	15988.010	6.010	16030.000	6.010	16030.010
GR	6.010	16032.000	6.010	16032.010	6.010	16042.000	6.060	16074.000	6.060	16074.010
GR	6.070	16076.000	6.070	16076.010	6.140	16118.000	6.140	16118.010	6.140	16120.000
GR	6.140	16120.010	6.210	16162.000	6.210	16162.010	6.210	16164.000	6.210	16164.010
GR	6.280	16206.000	6.280	16206.010	6.280	16208.000	6.280	16208.010	6.350	16250.000
GR	6.350	16250.010	6.360	16252.000	6.360	16252.010	6.430	16294.000	6.430	16294.010
GR	6.430	16296.000	6.430	16296.010	6.500	16338.000	6.500	16338.010	6.500	16340.000
GR	6.500	16340.010	6.570	16382.000	6.570	16382.010	6.570	16384.000	6.570	16384.010
GR	6.640	16426.000	6.640	16426.010	6.650	16428.000	6.650	16428.010	6.720	16470.000
GR	6.720	16470.010	6.720	16472.000	6.720	16472.010	6.790	16514.000	6.790	16514.010
GR	6.790	16516.000	6.790	16516.010	6.860	16558.000	6.860	16558.010	6.870	16560.000
GR	6.870	16560.010	6.930	16602.000	6.930	16602.010	6.940	16604.000	6.940	16604.010
GR	7.010	16646.000	7.010	16646.010	7.010	16648.000	7.010	16648.010	7.080	16690.000
GR	7.080	16690.010	7.080	16692.000	7.080	16692.010	7.150	16734.000	7.150	16734.010
GR	7.160	16736.000	7.160	16736.010	7.210	16769.000	7.080	16778.000	7.080	16778.010
GR	7.050	16780.000	7.050	16780.010	6.440	16822.000	6.440	16822.010	6.410	16824.000
GR	6.410	16824.010	6.010	16852.000	5.710	16854.500	1.570	16866.000	1.560	16866.010
GR	.850	16868.000	.840	16868.010	-5.530	16885.750	-5.530	16885.760	-6.700	16889.000
GR	-7.870	16892.250	-7.870	16892.260	-15.240	16912.700	-16.140	16970.900	-16.290	16980.000
GR	-16.290	16980.010	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.050	17029.100
GR	-14.740	17087.300	-7.550	17107.750	-7.540	17107.760	-6.400	17111.000	-5.260	17114.250
GR	-5.260	17114.260	.960	17132.000	.970	17132.010	1.670	17134.000	1.670	17134.010
GR	-5.710	17145.500	8.010	17146.000	8.170	17176.000	8.170	17176.010	8.180	17178.000
GR	8.180	17178.010	8.410	17220.000	8.410	17220.010	8.420	17222.000	8.420	17222.010
GR	8.650	17264.000	8.650	17264.010	8.660	17266.000	8.660	17266.010	8.760	17284.000
GR	19.380	17308.980	8.890	17308.990	8.890	17309.000	8.890	17309.010	9.410	17404.000
GR	10.010	17421.000	20.010	17459.000	21.010	17484.000	21.230	17500.000	21.910	17549.000
GR	20.830	17683.000	20.010	17784.000	.000	.000	.000	.000	.000	.000

NH	3.000	.110	14490.990	.035	17309.000	.110	17784.000	.000	.000	.000
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US 13/17

X1	192868.000	282.000	14490.990	17309.000	36.000	36.000	36.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
BT	-282.000	14279.000	20.020	20.000	14490.970	21.400	20.000	14490.980	23.600	20.000
BT	.000	14490.990	23.600	20.000	14491.000	23.600	20.000	14491.010	23.600	18.900
BT	.000	14510.000	23.600	18.900	14516.000	23.600	18.900	14528.000	23.600	18.900
BT	.000	14529.000	23.600	18.900	14534.000	23.600	18.900	14534.010	23.600	8.160
BT	.000	14536.000	23.600	7.550	14536.010	23.600	18.900	14544.000	23.600	18.900
BT	.000	14578.000	23.600	18.900	14578.010	23.600	5.130	14580.000	23.600	5.140
BT	.000	14580.010	23.600	18.900	14622.000	23.600	18.900	14622.010	23.600	5.180
BT	.000	14624.000	23.600	5.180	14624.010	23.600	18.900	14666.010	23.610	18.910

BT	.000	14666.010	23.610	5.230	14668.000	23.610	5.230	14668.010	23.610	18.910
BT	.000	14710.000	23.610	18.910	14710.010	23.610	5.270	14712.000	23.610	5.270
BT	.000	14712.010	23.610	18.910	14754.000	23.610	18.910	14754.010	23.610	5.320
BT	.000	14756.000	23.610	5.320	14756.010	23.610	18.910	14798.000	23.610	18.910
BT	.000	14798.010	23.610	5.360	14800.000	23.610	5.360	14800.010	23.610	18.910
BT	.000	14842.000	23.620	18.920	14842.010	23.620	5.410	14844.000	23.620	5.410
BT	.000	14844.010	23.620	18.920	14886.000	23.620	18.920	14886.010	23.620	5.450
BT	.000	14888.000	23.620	5.450	14888.010	23.620	18.920	14930.000	23.620	18.920
BT	.000	14930.010	23.620	5.500	14932.000	23.620	5.500	14932.010	23.620	18.920
BT	.000	14974.000	23.620	18.920	14974.010	23.620	5.540	14976.000	23.620	5.540
BT	.000	14976.010	23.620	18.920	15018.000	23.620	18.920	15018.010	23.620	5.590
BT	.000	15020.000	23.620	5.590	15020.010	23.620	18.920	15062.000	23.630	18.930
BT	.000	15062.010	23.630	5.630	15064.000	23.630	5.630	15064.010	23.630	18.930
BT	.000	15106.000	23.630	18.930	15106.010	23.630	5.680	15108.000	23.630	5.680
BT	.000	15108.010	23.630	18.930	15150.000	23.630	18.930	15150.010	23.630	5.720
BT	.000	15152.000	23.630	5.730	15152.010	23.630	18.930	15194.000	23.630	18.930
BT	.000	15194.010	23.630	5.770	15196.000	23.630	5.770	15196.010	23.630	18.930
BT	.000	15238.000	23.640	18.940	15238.010	23.640	5.810	15240.000	23.640	5.820
BT	.000	15240.010	23.640	18.940	15282.000	23.640	18.940	15282.010	23.640	5.860
BT	.000	15284.000	23.640	5.860	15284.010	23.640	18.940	15322.000	23.640	18.940
BT	.000	15326.000	23.640	18.940	15326.010	23.640	5.900	15328.000	23.640	5.900
BT	.000	15328.010	23.640	18.940	15370.000	23.640	18.940	15370.010	23.640	5.910
BT	.000	15372.000	23.640	5.910	15372.010	23.640	18.940	15414.000	23.650	18.950
BT	.000	15414.010	23.650	5.910	15416.000	23.650	5.910	15416.010	23.650	18.950
BT	.000	15458.000	23.650	18.950	15458.010	23.650	5.920	15460.000	23.650	5.920
BT	.000	15460.010	23.650	18.950	15502.000	23.650	18.950	15502.010	23.650	5.930
BT	.000	15504.000	23.650	5.930	15504.010	23.650	18.950	15546.000	23.650	18.950
BT	.000	15546.010	23.650	5.930	15548.000	23.650	5.930	15548.010	23.650	18.950
BT	.000	15590.000	23.650	18.950	15590.010	23.650	5.940	15592.000	23.650	5.940
BT	.000	15592.010	23.650	18.950	15634.000	23.660	18.960	15634.010	23.660	5.940
BT	.000	15636.000	23.660	5.940	15636.010	23.660	18.960	15678.000	23.660	18.960
BT	.000	15678.010	23.660	5.950	15680.000	23.660	5.950	15680.010	23.660	18.960
BT	.000	15722.000	23.660	18.960	15722.010	23.660	5.960	15724.000	23.660	5.960
BT	.000	15724.010	23.660	18.960	15766.000	23.660	18.960	15766.010	23.660	5.960
BT	.000	15768.000	23.660	5.960	15768.010	23.660	18.960	15810.000	23.670	18.970
BT	.000	15810.010	23.670	5.970	15812.000	23.670	5.970	15812.010	23.670	18.970
BT	.000	15854.000	23.670	18.970	15854.010	23.670	5.970	15856.000	23.670	5.970
BT	.000	15856.010	23.670	18.970	15898.000	23.670	18.970	15898.010	23.670	5.980
BT	.000	15900.000	23.670	5.980	15900.010	23.670	18.970	15942.000	23.670	18.970
BT	.000	15942.010	23.670	5.990	15944.000	23.670	5.990	15944.010	23.670	18.970
BT	.000	15986.000	23.670	18.970	15986.010	23.670	5.990	15988.000	23.670	5.990
BT	.000	15988.010	23.670	18.970	16030.000	23.680	18.980	16030.010	23.680	6.000
BT	.000	16032.000	23.680	6.000	16032.010	23.680	18.980	16042.000	23.680	18.980
BT	.000	16074.000	23.680	18.980	16074.010	23.680	6.050	16076.000	23.680	6.060
BT	.000	16076.010	23.680	18.980	16118.000	23.680	18.980	16118.010	23.680	6.130
BT	.000	16120.000	23.680	6.130	16120.010	23.680	18.980	16162.000	23.680	18.980
BT	.000	16162.010	23.680	6.200	16164.000	23.680	6.200	16164.010	23.680	18.980
BT	.000	16206.000	23.690	18.990	16206.010	23.690	6.270	16208.000	23.690	6.270
BT	.000	16208.010	23.690	18.990	16250.000	23.690	18.990	16250.010	23.690	6.340
BT	.000	16252.000	23.690	6.350	16252.010	23.690	18.990	16294.000	23.690	18.990
BT	.000	16294.010	23.690	6.420	16296.000	23.690	6.420	16296.010	23.690	18.990
BT	.000	16338.000	23.690	18.990	16338.010	23.690	6.490	16340.000	23.690	6.490
BT	.000	16340.010	23.690	18.990	16382.000	23.690	18.990	16382.010	23.690	6.560
BT	.000	16384.000	23.690	6.560	16384.010	23.690	12.090	16426.000	23.700	19.000

BT	.000	16426.010	6.630	16428.000	23.700	6.640	16428.010	23.700	19.000
BT	.000	16470.000	19.000	16470.010	23.700	6.710	16472.000	23.700	6.710
BT	.000	16472.010	19.000	16514.000	23.700	19.000	16514.010	23.700	6.780
BT	.000	16516.000	6.780	16516.010	23.700	19.000	16518.000	23.700	19.000
BT	.000	16558.010	6.850	16560.000	23.700	6.860	16560.010	23.700	19.000
BT	.000	16602.000	19.010	16602.010	23.710	6.920	16604.000	23.710	6.930
BT	.000	16604.010	19.010	16646.000	23.710	19.010	16646.010	23.710	7.000
BT	.000	16648.000	7.000	16648.010	23.710	19.010	16690.000	23.710	19.010
BT	.000	16690.010	7.070	16692.000	23.710	7.070	16692.010	23.710	19.010
BT	.000	16734.000	19.010	16734.010	23.710	7.140	16736.000	23.710	7.150
BT	.000	16736.010	19.010	16769.000	23.710	19.010	16778.000	23.710	19.010
BT	.000	16778.010	7.070	16780.000	23.710	7.040	16780.010	23.710	19.010
BT	.000	16822.000	19.020	16822.010	23.720	6.430	16824.000	23.720	6.400
BT	.000	16824.010	19.020	16852.000	23.720	19.020	16854.500	23.720	19.020
BT	.000	16856.000	19.020	16856.010	23.720	1.550	16858.000	23.720	.840
BT	.000	16868.010	19.020	16885.750	23.720	19.020	16885.760	23.720	-5.540
BT	.000	16899.000	-6.710	16892.250	23.720	-7.880	16892.260	23.720	19.020
BT	.000	16912.700	19.060	16970.900	23.850	19.150	16980.000	23.860	19.160
BT	.000	16980.010	-16.300	17000.000	23.890	-16.590	17020.000	23.860	-16.900
BT	.000	17020.010	19.160	17029.100	23.850	19.150	17087.300	23.760	19.060
BT	.000	17107.750	19.020	17107.760	23.720	-7.560	17111.000	23.720	-6.410
BT	.000	17114.250	-5.280	17114.260	23.730	19.030	17132.000	23.760	19.060
BT	.000	17132.010	.960	17134.000	23.760	1.660	17134.010	23.760	19.060
BT	.000	17145.500	19.080	17146.000	23.780	19.080	17176.000	23.830	19.130
BT	.000	17176.010	8.160	17178.000	23.840	8.170	17178.010	23.840	19.140
BT	.000	17220.000	19.210	17220.010	23.910	8.400	17222.000	23.920	8.410
BT	.000	17222.010	19.220	17264.000	23.990	19.290	17264.010	23.990	8.640
BT	.000	17266.000	8.650	17266.010	23.990	19.290	17284.000	24.030	19.330
BT	.000	17308.980	24.070	17308.990	24.070	14.130	17309.000	21.870	8.880
BT	.000	17309.010	8.880	17404.000	21.880	9.400	17421.000	21.890	10.000
BT	.000	17459.000	20.000	17484.000	21.900	21.000	17500.000	21.900	21.220
BT	.000	17549.000	21.900	17683.000	20.900	20.820	17784.000	20.020	20.000
GR	20.000	14279.000	14490.970	20.000	14490.980	20.000	14490.990	20.000	14491.000
GR	18.900	14491.010	14510.000	16.670	14516.000	10.000	14528.000	9.690	14529.000
GR	8.160	14534.000	14534.010	7.550	14536.000	7.550	14536.010	5.100	14544.000
GR	5.130	14578.000	14578.010	5.140	14580.000	5.140	14580.010	5.180	14622.000
GR	5.180	14622.010	14624.000	5.180	14624.010	5.230	14666.000	5.230	14666.010
GR	5.230	14668.000	14668.010	5.270	14710.000	5.270	14710.010	5.270	14712.000
GR	5.270	14712.010	14754.000	5.320	14754.010	5.320	14756.000	5.320	14756.010
GR	5.360	14798.000	14798.010	5.360	14800.000	5.360	14800.010	5.410	14842.000
GR	5.410	14842.010	14844.000	5.410	14844.010	5.450	14886.000	5.450	14886.010
GR	5.450	14888.000	14888.010	5.500	14930.000	5.500	14930.010	5.500	14932.000
GR	5.500	14932.010	14974.000	5.540	14974.010	5.540	14976.000	5.540	14976.010
GR	5.590	15018.000	15018.010	5.590	15020.000	5.590	15020.010	5.630	15062.000
GR	5.630	15062.010	15064.000	5.630	15064.010	5.680	15106.000	5.680	15106.010
GR	5.680	15108.000	15108.010	5.720	15150.000	5.720	15150.010	5.730	15152.000
GR	5.730	15152.010	15194.000	5.770	15194.010	5.770	15196.000	5.770	15196.010
GR	5.810	15238.000	15238.010	5.820	15240.000	5.820	15240.010	5.860	15282.000
GR	5.860	15282.010	15284.000	5.860	15284.010	5.900	15322.000	5.900	15326.000
GR	5.900	15326.010	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	15372.010	5.910	15414.000	5.910	15414.010	5.910	15416.000
GR	5.910	15416.010	15458.000	5.920	15458.010	5.920	15460.000	5.920	15460.010
GR	5.920	15502.000	15502.010	5.930	15504.000	5.930	15504.010	5.930	15546.000
GR	5.930	15546.010	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010

GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15636.000
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	5.960	15768.000	5.960	15768.010	5.970	15810.000	5.970	15810.010
GR	5.970	15812.000	5.970	15812.010	5.970	15854.000	5.970	15854.010	5.970	15856.000
GR	5.970	15856.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.050	16074.000	6.050	16074.010
GR	6.060	16076.000	6.060	16076.010	6.130	16118.000	6.130	16118.010	6.130	16120.000
GR	6.130	16120.010	6.200	16162.000	6.200	16162.010	6.200	16164.000	6.200	16164.010
GR	6.270	16206.000	6.270	16206.010	6.270	16208.000	6.270	16208.010	6.340	16250.000
GR	6.340	16250.010	6.350	16252.000	6.350	16252.010	6.420	16294.000	6.420	16294.010
GR	6.420	16296.000	6.420	16296.010	6.490	16338.000	6.490	16338.010	6.490	16340.000
GR	6.490	16340.010	6.560	16382.000	6.560	16382.010	6.560	16384.000	6.560	16384.010
GR	6.630	16426.000	6.630	16426.010	6.640	16428.000	6.640	16428.010	6.710	16470.000
GR	6.710	16470.010	6.710	16472.000	6.710	16472.010	6.780	16514.000	6.780	16514.010
GR	6.780	16516.000	6.780	16516.010	6.850	16558.000	6.850	16558.010	6.860	16560.000
GR	6.860	16560.010	6.920	16602.000	6.920	16602.010	6.930	16604.000	6.930	16604.010
GR	7.000	16646.000	7.000	16646.010	7.000	16648.000	7.000	16648.010	7.070	16690.000
GR	7.070	16690.010	7.070	16692.000	7.070	16692.010	7.140	16734.000	7.140	16734.010
GR	7.150	16736.000	7.150	16736.010	7.200	16769.000	7.200	16778.000	7.200	16778.010
GR	7.040	16780.000	7.040	16780.010	6.430	16822.000	6.430	16822.010	6.400	16824.000
GR	6.400	16824.010	6.000	16852.000	5.700	16854.500	1.560	16866.000	1.550	16866.010
GR	.840	16868.000	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000
GR	-7.880	16892.250	-7.880	16892.260	-15.250	16912.700	-16.150	16970.900	-16.300	16980.000
GR	-16.300	16980.010	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100
GR	-14.750	17087.300	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250
GR	-5.280	17114.260	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010
GR	5.700	17145.500	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000
GR	8.170	17178.010	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010
GR	8.640	17264.000	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000
GR	19.370	17308.980	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000
GR	10.000	17421.000	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000
GR	20.820	17683.000	20.000	17784.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	14490.990	.040	17309.000	.110	17784.000	.000	.000	.000
X1	192869.000	282.000	14490.990	17309.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
GR	20.000	14279.000	20.000	14490.970	20.000	14490.980	20.000	14490.990	20.000	14491.000
GR	20.000	14491.010	20.000	14510.000	16.670	14516.000	10.000	14528.000	9.690	14529.000
GR	8.160	14534.000	8.160	14534.010	7.550	14536.000	7.550	14536.010	5.100	14544.000
GR	5.130	14578.000	5.130	14578.010	5.140	14580.000	5.140	14580.010	5.180	14622.000
GR	5.180	14622.010	5.180	14624.000	5.180	14624.010	5.230	14666.000	5.230	14666.010
GR	5.230	14668.000	5.230	14668.010	5.270	14710.000	5.270	14710.010	5.270	14712.000
GR	5.270	14712.010	5.320	14754.000	5.320	14754.010	5.320	14756.000	5.320	14756.010
GR	5.360	14798.000	5.360	14798.010	5.360	14800.000	5.360	14800.010	5.410	14842.000
GR	5.410	14842.010	5.410	14844.000	5.410	14844.010	5.450	14886.000	5.450	14886.010
GR	5.450	14888.000	5.450	14888.010	5.500	14930.000	5.500	14930.010	5.500	14932.000
GR	5.500	14932.010	5.540	14974.000	5.540	14974.010	5.540	14976.000	5.540	14976.010
GR	5.590	15018.000	5.590	15018.010	5.590	15020.000	5.590	15020.010	5.630	15062.000
GR	5.630	15062.010	5.630	15064.000	5.630	15064.010	5.680	15106.000	5.680	15106.010
GR	5.680	15108.000	5.680	15108.010	5.720	15150.000	5.720	15150.010	5.730	15152.000
GR	5.730	15152.010	5.770	15194.000	5.770	15194.010	5.770	15196.000	5.770	15196.010

GR	5.810	15238.000	5.810	15238.010	5.820	15240.000	5.820	15240.010	5.860	15282.000
GR	5.860	15282.010	5.860	15284.000	5.860	15284.010	5.900	15322.000	5.900	15326.000
GR	5.900	15326.010	5.900	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	5.910	15372.010	5.910	15414.000	5.910	15414.010	5.910	15416.000
GR	5.910	15416.010	5.920	15458.000	5.920	15458.010	5.920	15460.000	5.920	15460.010
GR	5.920	15502.000	5.930	15502.010	5.930	15504.000	5.930	15524.010	5.930	15546.000
GR	5.930	15546.010	5.930	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010
GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15636.000
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	5.960	15768.000	5.960	15768.010	5.970	15810.000	5.970	15810.010
GR	5.970	15812.000	5.970	15812.010	5.970	15854.000	5.970	15854.010	5.970	15856.000
GR	5.970	15856.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.050	16074.000	6.050	16074.010
GR	6.060	16076.000	6.060	16076.010	6.130	16118.000	6.130	16118.010	6.130	16120.000
GR	6.130	16120.010	6.200	16162.000	6.200	16162.010	6.200	16164.000	6.200	16164.010
GR	6.270	16206.000	6.270	16206.010	6.270	16208.000	6.270	16208.010	6.340	16250.000
GR	6.340	16250.010	6.350	16252.000	6.350	16252.010	6.420	16294.000	6.420	16294.010
GR	6.420	16296.000	6.420	16296.010	6.490	16338.000	6.490	16338.010	6.490	16340.000
GR	6.490	16340.010	6.560	16382.000	6.560	16382.010	6.560	16384.000	6.560	16384.010
GR	6.630	16426.000	6.630	16426.010	6.640	16428.000	6.640	16428.010	6.710	16470.000
GR	6.710	16470.010	6.710	16472.000	6.710	16472.010	6.780	16514.000	6.780	16514.010
GR	6.780	16516.000	6.780	16516.010	6.850	16558.000	6.850	16558.010	6.860	16560.000
GR	6.860	16560.010	6.920	16602.000	6.920	16602.010	6.930	16604.000	6.930	16604.010
GR	7.000	16646.000	7.000	16646.010	7.000	16648.000	7.000	16648.010	7.070	16690.000
GR	7.070	16690.010	7.070	16692.000	7.070	16692.010	7.140	16734.000	7.140	16734.010
GR	7.150	16736.000	7.150	16736.010	7.200	16769.000	7.200	16778.000	7.070	16778.010
GR	7.040	16780.000	7.040	16780.010	6.430	16822.000	6.430	16822.010	6.400	16824.000
GR	6.400	16824.010	6.000	16852.000	5.700	16854.500	1.560	16866.000	1.550	16866.010
GR	.840	16868.000	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000
GR	-7.880	16892.250	-7.880	16892.260	-15.250	16912.700	-16.150	16970.900	-16.300	16980.000
GR	-16.300	16980.010	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100
GR	-14.750	17087.300	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250
GR	-5.280	17114.260	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010
GR	5.700	17145.500	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000
GR	8.170	17178.010	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010
GR	8.640	17264.000	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000
GR	8.880	17308.980	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000
GR	10.000	17421.000	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000
GR	20.820	17683.000	20.000	17784.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000

Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27559.000	27559.000	27559.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17539.500	5.800	17551.500

THIS RUN EXECUTED 01-06-89 10:11:53

 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

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMH	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
151325.000	.00	.00	.00	-37.46	25000.00	6.44	.00	6.47	.50	1.97	82270.08	35384.15
151325.000	.00	.00	.00	-37.46	35000.00	7.38	.00	7.40	.50	2.02	109942.50	49584.56
151325.000	.00	.00	.00	-37.46	49000.00	8.48	.00	8.50	.50	2.09	142118.30	69326.65
151325.000	.00	.00	.00	-37.46	132000.00	13.13	.00	13.15	.50	2.35	278985.40	186479.00
162262.000	10937.00	.00	.00	-36.87	25000.00	7.04	.00	7.06	.59	1.82	80440.43	32428.95
162262.000	10937.00	.00	.00	-36.87	35000.00	7.97	.00	7.99	.57	1.85	107125.30	46213.62
162262.000	10937.00	.00	.00	-36.87	49000.00	9.06	.00	9.08	.56	1.91	138435.40	65459.80
162262.000	10937.00	.00	.00	-36.87	132000.00	13.70	.00	13.71	.54	2.15	272553.20	180266.00
171586.000	9324.00	.00	.00	-20.95	25000.00	7.63	.00	7.64	.65	1.62	79860.95	30994.99
171586.000	9324.00	.00	.00	-20.95	35000.00	8.54	.00	8.55	.63	1.67	104314.50	44021.55
171586.000	9324.00	.00	.00	-20.95	49000.00	9.61	.00	9.62	.62	1.74	133890.10	62274.38
171586.000	9324.00	.00	.00	-20.95	132000.00	14.22	.00	14.23	.58	2.01	264391.40	173496.30
181325.000	9739.00	.00	.00	-18.56	25000.00	8.26	.00	8.27	.65	1.68	76045.89	31075.51
181325.000	9739.00	.00	.00	-18.56	35000.00	9.16	.00	9.18	.66	1.74	98830.94	43228.42
181325.000	9739.00	.00	.00	-18.56	49000.00	10.73	.00	10.25	.66	1.83	125754.60	60398.34
181325.000	9739.00	.00	.00	-18.56	132000.00	14.82	.00	14.84	.67	2.19	241403.40	161855.40
192831.000	11506.00	.00	.00	-17.49	25000.00	9.45	.00	9.49	1.96	1.62	15385.36	17839.54
192831.000	11506.00	.00	.00	-17.49	35000.00	10.41	.00	10.47	2.25	1.94	18076.63	23326.27
192831.000	11506.00	.00	.00	-17.49	49000.00	11.54	.00	11.62	2.59	2.31	21207.17	30423.97
192831.000	11506.00	.00	.00	-17.49	132000.00	16.24	.00	16.47	3.80	3.85	34314.43	67693.25
192832.000	1.00	20.03	21.91	-17.05	25000.00	9.44	.00	9.50	2.73	2.00	12495.60	15122.60
192832.000	1.00	20.03	21.91	-17.05	35000.00	10.40	.00	10.49	2.92	2.33	14997.74	20467.01
192832.000	1.00	20.03	21.91	-17.05	49000.00	11.52	.00	11.64	3.18	2.74	17910.48	27467.88
192832.000	1.00	20.03	21.91	-17.05	132000.00	16.20	.00	16.50	4.15	4.39	30090.35	64784.16
192868.000	36.00	20.02	21.90	-17.06	25000.00	9.45	.00	9.51	2.71	2.00	12529.91	15191.50
192868.000	36.00	20.02	21.90	-17.06	35000.00	10.41	.00	10.50	2.90	2.33	15030.97	20542.26
192868.000	36.00	20.02	21.90	-17.06	49000.00	11.53	.00	11.65	3.16	2.73	17942.01	27548.04
192868.000	36.00	20.02	21.90	-17.06	132000.00	16.22	.00	16.52	4.12	4.38	30154.25	65011.30

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
192869.000	1.00	.00	.00	-17.06	25000.00	9.46	.00	9.51	2.55	1.76	14220.04	15650.17
192869.000	1.00	.00	.00	-17.06	35000.00	10.44	.00	10.50	2.79	2.07	16945.16	20948.11
192869.000	1.00	.00	.00	-17.06	49000.00	11.56	.00	11.66	3.11	2.44	20087.01	27798.54
192869.000	1.00	.00	.00	-17.06	132000.00	16.29	.00	16.53	4.22	3.97	33258.71	64269.70
220428.000	27559.00	.00	.00	-24.56	25000.00	11.07	.00	11.08	.24	1.31	83673.62	50917.31
220428.000	27559.00	.00	.00	-24.56	35000.00	12.27	.00	12.28	.28	1.46	104269.20	66491.05
220428.000	27559.00	.00	.00	-24.56	49000.00	13.67	.00	13.68	.32	1.63	128693.90	87270.49
220428.000	27559.00	.00	.00	-24.56	132000.00	19.33	.00	19.35	.43	2.22	231454.60	200289.50
232663.000	12235.00	.00	.00	-17.80	25000.00	11.44	.00	11.45	.38	1.22	85514.73	40403.68
232663.000	12235.00	.00	.00	-17.80	35000.00	12.67	.00	12.68	.37	1.26	113233.10	57184.54
232663.000	12235.00	.00	.00	-17.80	49000.00	14.09	.00	14.10	.37	1.31	146995.60	81064.59
232663.000	12235.00	.00	.00	-17.80	132000.00	19.83	.00	19.84	.37	1.55	283635.40	216789.80
241047.000	8384.00	.00	.00	-17.35	25000.00	11.84	.00	11.84	.61	1.34	72626.69	32108.08
241047.000	8384.00	.00	.00	-17.35	35000.00	13.07	.00	13.08	.63	1.41	90858.78	44122.59
241047.000	8384.00	.00	.00	-17.35	49000.00	14.48	.00	14.49	.63	1.49	121784.20	61743.29
241047.000	8384.00	.00	.00	-17.35	132000.00	20.22	.00	20.22	.59	1.75	254979.40	172470.70

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECHO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
151325.000	25000.00	6.44	.00	.00	-3.56	29318.93	.00
151325.000	35000.00	7.38	.94	.00	-2.62	29338.56	.00
151325.000	49000.00	8.48	1.10	.00	-1.52	29360.88	.00
151325.000	132000.00	13.13	4.65	.00	3.13	29456.23	.00
162262.000	25000.00	7.04	.00	.60	.00	28585.36	10937.00
162262.000	35000.00	7.97	.93	.59	.00	28680.33	10937.00
162262.000	49000.00	9.06	1.09	.58	.00	28791.36	10937.00
162262.000	132000.00	13.70	4.64	.57	.00	28948.34	10937.00
171586.000	25000.00	7.63	.00	.59	.00	26527.75	9324.00
171586.000	35000.00	8.54	.91	.57	.00	27133.54	9324.00
171586.000	49000.00	9.61	1.08	.55	.00	27848.60	9324.00
171586.000	132000.00	14.22	4.61	.52	.00	28428.24	9324.00
181325.000	25000.00	8.26	.00	.63	.00	25114.51	9739.00
181325.000	35000.00	9.16	.91	.63	.00	25146.61	9739.00
181325.000	49000.00	10.23	1.07	.62	.00	25161.90	9739.00
181325.000	132000.00	14.82	4.59	.60	.00	25230.58	9739.00
192831.000	25000.00	9.45	.00	1.19	.00	2780.61	11506.00
192831.000	35000.00	10.41	.97	1.25	.00	2782.53	11506.00
192831.000	49000.00	11.54	1.12	1.30	.00	2784.55	11506.00
192831.000	132000.00	16.24	4.70	1.41	.00	2793.00	11506.00
192832.000	25000.00	9.44	.00	-.01	.00	2755.78	1.00
192832.000	35000.00	10.40	.96	-.01	.00	2760.61	1.00
192832.000	49000.00	11.52	1.12	-.02	.00	2765.27	1.00
192832.000	132000.00	16.20	4.68	-.03	.00	2784.68	1.00
192868.000	25000.00	9.45	.00	.01	.00	2755.85	36.00
192868.000	35000.00	10.41	.97	.01	.00	2760.67	36.00
192868.000	49000.00	11.53	1.12	.01	.00	2765.32	36.00
192868.000	132000.00	16.22	4.69	.02	.00	2784.78	36.00
192869.000	25000.00	9.46	.00	.02	.00	2779.25	1.00
192869.000	35000.00	10.44	.97	.02	.00	2781.79	1.00
192869.000	49000.00	11.56	1.13	.03	.00	2783.83	1.00
192869.000	132000.00	16.29	4.72	.07	.00	2792.33	1.00
220428.000	25000.00	11.07	.00	1.60	.00	16989.08	27559.00
220428.000	35000.00	12.27	1.21	1.84	.00	17131.36	27559.00
220428.000	49000.00	13.67	1.39	2.10	.00	18097.54	27559.00
220428.000	132000.00	19.33	5.66	3.04	.00	18208.84	27559.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
232663.000	25000.00	11.44	.00	.37	.00	21814.35	12235.00
232663.000	35000.00	12.67	1.23	.40	.00	23212.85	12235.00
232663.000	49000.00	14.09	1.42	.42	.00	23741.59	12235.00
232663.000	132000.00	19.83	5.74	.50	.00	23849.76	12235.00
241047.000	25000.00	11.84	.00	.40	.00	14644.33	8384.00
241047.000	35000.00	13.07	1.23	.40	.00	14872.39	8384.00
241047.000	49000.00	14.48	1.41	.39	.00	22634.17	8384.00
241047.000	132000.00	20.22	5.73	.38	.00	23657.40	8384.00

THIS RUN EXECUTED 01-09-89 16:06:36

 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 Martin Co. NC FI
 T2 Filename:RR.HEC Eng:EKL ET:CJB Comm. No. 2353D
 T3 Roanoke River Date: 01/06/88 10-Year Event

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	.000050	.00	.0	0.	10.000	.000
J2	NPROF	IPLOT	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									
	150.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NC	.110	.110	.040	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	5882.500	.040	6126.500	.110	30586.500	.000	.000	.000
QT	5.000	25000.000	35000.000	49000.000	132000.000	49000.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	7.110	5883.000	31200.000	.000	.000

=====
 ===== HEC-2 Input file created with CodeH2 =====
 ===== Version: 3.51 =====
 ===== CodeH2 Copyrighted 1986, 1987, 1988 =====
 ===== Run Date: Monday January 9, 1989 =====
 ===== Run Time: 16:06:21 =====
 =====

Cross Section A

X1	151325.000	30.000	5882.500	6126.500	151325.000	151325.000	151325.000	.000	.000	.000
GR	24.000	5315.500	22.400	5565.500	22.000	5662.500	20.000	5740.500	18.000	5815.500
GR	16.000	5832.500	14.000	5844.500	12.000	5853.500	10.000	5863.500	8.000	5869.500
GR	6.000	5877.500	4.000	5882.500	2.990	5887.500	-9.850	5932.500	-15.450	5977.500
GR	-27.450	6022.500	-37.460	6067.500	2.990	6112.500	4.000	6126.500	4.300	6180.500
GR	4.000	6234.500	2.200	6684.500	5.000	34020.500	5.000	34770.500	5.000	38170.500
GR	10.000	38254.500	15.000	38334.500	20.000	38398.500	25.000	38442.500	30.000	38586.500

NH	3.000	.110	11847.000	.040	12158.000	.110	39298.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	10.410	.000	.000	.000	.000

Cross Section B

X1	162262.000	39.000	11847.000	12158.000	10937.000	10937.000	10937.000	.000	.000	.000
GR	25.000	10150.000	24.000	10160.000	22.000	10170.000	20.000	10120.000	18.000	10188.000
GR	16.000	10202.000	14.000	10206.000	12.000	10217.000	10.000	10229.000	8.000	10244.000
GR	6.000	10259.000	4.700	10423.000	4.000	10551.000	3.400	10586.000	3.400	11106.000
GR	3.400	11806.000	4.000	11827.000	5.000	11847.000	4.000	11867.000	3.580	11894.990
GR	3.600	11895.000	-9.260	11937.000	-14.860	11979.000	-26.860	12021.000	-36.870	12063.000
GR	3.580	12105.000	3.900	12158.000	3.300	12928.000	5.000	29988.000	5.000	32458.000
GR	10.000	32694.000	5.000	32894.000	5.000	35314.000	5.000	39080.000	10.000	39116.000
GR	15.000	39170.000	20.000	39216.000	25.000	39256.000	30.000	39298.000	.000	.000

NH	3.000	.110	11893.000	.040	12285.000	.110	34395.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	7.110	7098.000	27113.000	.000	.000

Cross Section C

X1	171586.000	32.000	11893.000	12285.000	9324.000	9324.000	9324.000	.000	.000	.000
GR	27.500	4923.000	25.000	5203.000	20.000	5503.000	5.000	5603.000	4.100	11603.000
GR	4.100	11893.000	-17.750	11935.800	-20.950	11978.600	-20.350	12021.400	-19.350	12064.200
GR	4.100	12107.000	6.000	12140.000	7.000	12285.000	6.000	12433.000	5.800	12595.000
GR	4.000	14235.000	3.700	14435.000	3.700	16105.000	5.000	21165.000	5.000	23235.000
GR	10.000	24895.000	11.000	25001.000	10.000	25107.000	5.000	26667.000	5.000	28757.000
GR	5.000	31797.000	5.000	33817.000	10.000	33887.000	15.000	33985.000	20.000	34085.000
GR	25.000	34305.000	30.000	34395.000	.000	.000	.000	.000	.000	.000

NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	10.410	.000	.000	.000	.000

Cross Section D

X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1756.000	5.000	1858.000	4.200	15550.000
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000

NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192720.000	113.000	16391.950	17307.040	11395.000	11395.000	11395.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	6.010	16391.970	6.010	16392.000	6.010	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000

GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16852.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	-24.320	16954.510	-23.590	16960.000	-23.580	16960.010	-23.050	16964.000
GR	-23.050	16964.010	-22.320	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	-3.630	17104.510	-1.980	17107.000	-1.550	17110.000	-1.550	17110.010	-.980	17114.000
GR	-.970	17114.010	-.190	17119.500	-.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	9.020	17230.000	9.020	17230.010	9.030	17234.000	9.030	17234.010
GR	9.040	17242.000	9.190	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000
X1	192721.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.030	20.010	14510.000	20.020	20.000	14528.000	20.010	10.010
BT	.000	14544.000	20.020	5.110	15322.000	20.580	5.910	15900.000	21.000	5.990
BT	.000	16042.000	27.430	6.010	16341.990	41.000	6.010	16342.000	41.000	6.010
BT	.000	16378.480	42.640	6.010	16391.950	43.230	6.010	16391.960	43.230	5.010
BT	.000	16391.970	43.230	36.740	16392.000	43.230	36.740	16442.000	45.600	39.110
BT	.000	16462.000	46.160	39.670	16465.000	46.240	39.750	16465.010	46.240	6.010
BT	.000	16469.000	46.360	6.010	16469.010	46.360	39.870	16492.000	47.000	40.510
BT	.000	16540.000	48.630	42.140	16540.010	48.630	6.010	16542.000	48.700	6.010
BT	.000	16544.000	48.770	6.010	16544.010	48.770	42.280	16592.000	50.400	43.910
BT	.000	16615.000	50.680	44.190	16615.010	50.680	6.010	16619.000	50.720	6.010
BT	.000	16619.010	50.720	44.230	16642.000	51.000	44.510	16690.000	53.400	46.910
BT	.000	16690.010	53.400	6.490	16692.000	53.500	6.510	16694.000	53.540	6.530
BT	.000	16694.010	53.540	47.050	16742.000	54.400	47.910	16765.000	54.450	47.960
BT	.000	16765.010	54.450	7.230	16768.990	54.450	7.270	16769.010	54.450	47.960
BT	.000	16792.000	54.500	48.010	16840.000	54.980	48.490	16840.010	54.980	7.950
BT	.000	16842.000	55.000	7.970	16844.000	55.000	7.990	16844.010	55.000	48.510
BT	.000	16846.000	55.000	48.510	16851.000	55.000	48.510	16855.000	55.000	48.510
BT	.000	16862.000	55.000	48.510	16892.000	55.000	48.510	16922.000	55.420	48.930
BT	.000	16942.000	55.700	49.210	16954.500	55.880	49.390	16954.510	55.880	49.390
BT	.000	16960.000	55.950	49.440	16960.010	55.950	11.220	16964.000	56.310	11.220
BT	.000	16964.010	56.010	49.520	16969.500	56.090	49.600	16969.510	56.090	49.600
BT	.000	16972.000	56.120	49.630	16982.000	56.260	49.770	16987.000	56.330	49.840
BT	.000	16992.000	56.400	49.910	16994.900	56.420	49.930	16995.000	56.420	49.930
BT	.000	17032.000	56.640	50.150	17041.990	56.700	50.210	17042.000	56.700	50.210
BT	.000	17053.000	56.630	50.140	17072.000	56.520	50.030	17078.900	56.480	49.990
BT	.000	17079.000	56.480	49.990	17087.000	56.430	49.940	17091.990	56.400	49.910
BT	.000	17092.000	56.400	49.910	17104.500	56.400	49.910	17104.510	56.400	49.910
BT	.000	17107.000	55.400	49.910	17110.000	56.400	49.910	17110.010	56.400	10.520
BT	.000	17114.000	56.400	10.520	17114.010	56.400	49.910	17119.500	56.400	49.910
BT	.000	17119.510	56.400	49.910	17122.000	56.400	49.910	17128.000	56.400	49.910
BT	.000	17133.000	56.400	49.910	17142.000	56.400	49.910	17154.000	56.400	49.910
BT	.000	17192.000	56.400	49.910	17226.990	55.700	49.210	17227.000	55.700	49.210
BT	.000	17230.000	55.640	49.150	17230.010	55.640	10.490	17234.000	55.560	12.460

BT	.000	17234.010	55.560	49.070	17242.000	55.400	48.910	17307.020	54.970	48.480
BT	.000	17307.030	54.970	28.830	17307.040	54.970	9.190	17316.820	54.800	9.210
BT	.000	17342.000	54.000	9.270	17404.000	53.110	9.410	17421.000	52.860	12.010
BT	.000	17459.000	52.320	20.010	17484.000	51.960	21.010	17549.000	51.020	21.910
BT	.000	17620.000	50.000	21.830	18400.000	21.030	21.010	.000	.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	36.740	16391.970	36.730	16392.000	14.790	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.940	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	11.220	16954.510	11.220	16960.000	11.220	16960.010	11.220	16964.000
GR	11.220	16964.010	11.220	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	10.520	17104.510	10.520	17107.000	10.520	17110.000	10.520	17110.010	10.520	17114.000
GR	10.520	17114.010	10.520	17119.500	-.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	10.490	17230.000	10.490	17230.010	12.460	17234.000	12.470	17234.010
GR	16.410	17242.000	48.480	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000

New US 13/17

X1	192809.000	113.000	16391.950	17307.040	88.000	88.000	88.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.010	20.000	14510.000	20.000	19.990	14528.000	20.010	10.000
BT	.000	14544.000	20.020	5.100	15322.000	20.580	5.900	15900.000	21.000	5.980
BT	.000	16042.000	27.430	6.000	16341.990	41.000	6.000	16342.000	41.000	6.000
BT	.000	16378.480	42.640	6.000	16391.950	43.230	6.000	16391.960	43.230	6.000
BT	.000	16391.970	43.230	36.730	16392.000	43.230	36.730	16442.000	45.600	39.100
BT	.000	16462.000	46.160	39.660	16465.000	46.240	39.740	16465.010	46.240	6.000
BT	.000	16469.000	46.360	6.000	16469.010	46.360	39.860	16492.000	47.000	40.500
BT	.000	16540.000	48.630	42.130	16540.010	48.630	6.000	16542.000	48.700	6.000
BT	.000	16544.000	48.770	6.000	16544.010	48.770	42.270	16592.000	50.400	43.900
BT	.000	16615.000	50.680	44.180	16615.010	50.680	6.000	16619.000	50.720	6.000
BT	.000	16619.010	50.720	44.220	16642.000	51.000	44.500	16690.000	53.400	46.900
BT	.000	16690.010	53.400	6.480	16692.000	53.500	6.500	16694.000	53.540	6.520
BT	.000	16694.010	53.540	47.040	16742.000	54.400	47.900	16765.000	54.450	47.950
BT	.000	16765.010	54.450	7.220	16768.990	54.450	7.260	16769.010	54.450	47.950
BT	.000	16792.000	54.500	48.000	16840.000	54.980	48.480	16840.010	54.980	7.940
BT	.000	16842.000	55.000	7.960	16844.000	55.000	7.980	16844.010	55.000	48.500
BT	.000	16846.000	55.000	48.500	16851.000	55.000	48.500	16855.000	55.000	48.500
BT	.000	16862.000	55.000	48.500	16892.000	55.000	48.500	16922.000	55.420	48.920
BT	.000	16942.000	55.700	49.200	16954.500	55.880	49.380	16954.510	55.880	49.380

BT	.000	16960.000	55.950	16960.010	49.450	16960.010	55.950	11.210	16964.000	56.010	11.210
BT	.000	16964.010	56.010	16969.500	49.510	16969.500	56.090	49.590	16969.510	56.090	49.590
BT	.000	16972.000	56.120	16982.000	49.620	16982.000	56.260	49.760	16987.000	56.330	49.830
BT	.000	16992.000	56.400	16994.900	49.900	16994.900	56.420	49.920	16995.000	56.420	49.920
BT	.000	17032.000	56.640	17041.990	50.140	17041.990	56.700	50.200	17042.000	56.700	50.200
BT	.000	17053.000	56.630	17072.000	50.130	17072.000	56.520	50.020	17078.900	56.480	49.980
BT	.000	17079.000	56.680	17087.000	49.980	17087.000	56.430	49.930	17091.990	56.400	49.900
BT	.000	17092.000	56.400	17104.500	49.900	17104.500	56.400	49.900	17104.510	56.400	49.900
BT	.000	17107.000	56.400	17110.000	49.900	17110.000	56.400	49.900	17110.010	56.400	10.510
BT	.000	17114.000	56.400	17114.010	10.510	17114.010	56.400	49.900	17119.500	56.400	49.900
BT	.000	17119.510	56.400	17122.000	49.900	17122.000	56.400	49.900	17128.000	56.400	49.900
BT	.000	17133.000	56.400	17142.000	49.900	17142.000	56.400	49.900	17154.000	56.400	49.900
BT	.000	17192.000	56.400	17226.990	49.900	17226.990	55.700	49.200	17227.000	55.700	49.200
BT	.000	17230.000	55.640	17230.010	49.140	17230.010	55.640	10.480	17234.000	55.560	12.52
BT	.000	17234.010	55.560	17242.000	49.060	17242.000	55.400	48.900	17307.020	54.970	48.470
BT	.000	17307.030	54.970	17307.040	28.820	17307.040	54.970	9.180	17316.820	54.800	9.202
BT	.000	17342.000	54.000	17404.000	9.260	17404.000	53.110	9.400	17421.000	52.860	9.000
BT	.000	17459.000	52.320	17484.000	20.000	17484.000	51.960	21.000	17549.000	51.020	21.900
BT	.000	17620.000	50.000	18400.000	21.820	18400.000	21.020	21.000	.000	.000	.000
GR	20.000	14509.990	19.990	14510.000	14510.000	10.000	14528.000	5.100	14544.000	5.900	15322.000
GR	5.980	15900.000	6.000	16042.000	16042.000	6.000	16341.990	6.000	16342.000	6.000	16378.480
GR	6.000	16391.950	6.000	16391.960	36.730	16391.960	16391.970	36.720	16392.000	14.780	16442.000
GR	6.000	16462.000	6.000	16465.000	6.000	16465.000	16465.010	6.000	16469.000	6.000	16469.010
GR	6.000	16492.000	6.000	16540.000	6.000	16540.000	16540.010	6.000	16542.000	6.000	16544.000
GR	6.000	16544.010	6.000	16592.000	6.000	16592.000	16615.000	6.000	16615.010	6.000	16619.000
GR	6.000	16619.010	6.000	16662.000	6.480	16662.000	16698.000	6.480	16698.010	6.500	16692.000
GR	6.520	16694.000	6.520	16694.010	7.000	16694.010	16742.000	7.220	16742.000	7.220	16765.010
GR	7.960	16768.990	7.260	16769.000	16769.000	7.480	16792.000	7.940	16840.000	7.940	16840.010
GR	7.960	16842.000	7.980	16844.000	16844.000	7.980	16844.010	8.000	16846.000	7.000	16851.000
GR	2.640	16855.000	5.000	16862.000	16862.000	20.000	16892.000	27.000	16922.000	26.000	16942.000
GR	24.330	16954.500	11.210	16954.510	16954.510	11.210	16960.000	11.210	16960.010	11.210	16964.000
GR	11.210	16984.010	11.210	16989.500	16989.500	22.330	16989.510	22.000	16972.000	22.000	16982.000
GR	14.000	16987.000	14.000	16992.000	16992.000	14.000	16994.900	21.000	16995.000	20.000	17032.000
GR	19.000	17041.990	18.990	17042.000	17042.000	18.000	17053.000	17.000	17072.000	15.000	17078.900
GR	14.000	17079.000	14.000	17087.000	17087.000	11.940	17091.990	12.000	17092.000	3.650	17104.500
GR	10.510	17104.510	10.510	17107.000	17107.000	10.510	17110.000	10.510	17110.010	10.510	17114.000
GR	10.510	17114.010	10.510	17119.500	17119.500	2.200	17119.510	.140	17122.000	1.000	17128.000
GR	4.000	17133.000	7.000	17142.000	17142.000	9.000	17154.000	9.000	17192.000	9.000	17226.990
GR	9.000	17227.000	10.480	17230.000	17230.000	10.480	17230.010	12.450	17234.000	12.460	17234.010
GR	16.400	17242.000	48.470	17307.020	17307.020	9.180	17307.030	9.180	17307.040	9.200	17316.820
GR	9.260	17342.000	9.400	17404.000	17404.000	10.000	17421.000	20.000	17459.000	21.000	17484.000
GR	21.900	17549.000	21.820	17620.000	17620.000	21.000	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	17307.040	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192810.000	113.000	16391.950	17307.040	1.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	20.000	.000	.000
GR	20.440	14509.990	20.430	14510.000	14510.000	10.440	14528.000	5.540	14544.000	6.340	15322.000
GR	6.420	15900.000	6.440	16042.000	16042.000	6.440	16341.990	6.440	16342.000	6.440	16378.480
GR	6.440	16391.950	6.440	16391.960	16391.960	6.440	16391.970	6.440	16392.000	6.440	16442.000
GR	6.440	16462.000	6.440	16465.000	16465.000	6.440	16465.010	6.440	16469.000	6.440	16469.010
GR	6.440	16492.000	6.440	16540.000	16540.000	6.440	16540.010	6.440	16542.000	6.440	16544.000
GR	6.440	16544.010	6.440	16592.000	16592.000	6.440	16615.000	6.440	16615.010	6.440	16619.000
GR	6.440	16619.010	6.440	16662.000	16662.000	6.920	16690.000	6.920	16690.010	6.940	16692.000
GR	6.960	16694.000	6.960	16694.010	16694.010	7.440	16742.000	7.660	16765.000	7.660	16765.010

GR	7.700	16768.990	7.700	16769.010	7.920	16792.000	8.380	16840.000	8.380	16840.010	16840.010
GR	8.400	16842.000	8.420	16844.000	8.420	16844.010	8.440	16846.000	8.440	16846.010	16851.000
GR	3.080	16855.000	-4.560	16862.000	-19.560	16862.000	-26.560	16892.000	-25.560	16922.000	16942.000
GR	-23.890	16954.500	-23.890	16954.510	-23.160	16960.000	-23.140	16960.010	-22.620	16964.000	16964.000
GR	-22.620	16964.010	-21.890	16969.500	-21.890	16969.510	-21.560	16972.000	-21.560	16972.000	16982.000
GR	14.440	16987.000	14.440	16992.000	14.440	16994.900	-20.560	16995.000	-19.560	17032.000	17032.000
GR	-16.560	17041.990	-18.550	17042.000	-17.560	17053.000	-20.560	17072.000	-14.560	17078.900	17078.900
GR	14.440	17079.000	14.440	17087.000	-11.500	17091.990	-11.560	17092.000	-3.210	17104.500	17104.500
GR	-3.200	17104.510	-1.550	17107.000	-1.120	17110.000	-1.120	17110.010	.550	17114.000	17114.000
GR	-5.60	17114.010	.230	17119.500	.230	17119.510	.580	17122.000	1.440	17128.000	17128.000
GR	4.440	17133.000	7.440	17142.000	9.440	17154.000	9.440	17192.000	9.440	17226.990	17226.990
GR	9.440	17227.000	9.450	17230.000	9.450	17230.010	9.460	17234.000	9.460	17234.010	17234.010
GR	9.670	17242.000	9.620	17307.020	9.620	17307.030	9.620	17307.040	9.640	17316.820	17316.820
GR	9.700	17342.900	9.840	17404.000	10.440	17421.000	20.440	17459.000	21.440	17484.000	17484.000
GR	22.340	17549.000	22.260	17620.000	21.440	18400.000	.000	.000	.000	.000	.000
FC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.040	17145.500	.110	17784.000	.000	.000	.000	.000
X1	192831.000	281.000	16427.000	17145.500	21.000	21.000	21.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	20.000	.000
GR	19.570	14279.000	19.570	14490.970	19.570	14490.980	19.570	14490.990	19.570	14490.990	14491.000
GR	19.570	14491.010	19.570	14510.000	16.240	14516.000	9.570	14528.000	9.260	14529.000	14529.000
GR	7.730	14534.000	7.730	14534.010	7.120	14536.000	7.120	14536.010	4.670	14544.300	14544.300
GR	4.700	14578.000	4.700	14578.010	4.710	14580.000	4.710	14580.010	4.750	14627.000	14627.000
GR	4.750	14622.010	4.750	14624.000	4.750	14624.010	4.800	14666.000	4.800	14666.010	14666.010
GR	4.800	14668.000	4.800	14668.010	4.840	14710.000	4.840	14710.010	4.840	14710.010	14712.000
GR	4.840	14712.010	4.890	14754.000	4.890	14754.010	4.890	14756.000	4.890	14756.010	14756.010
GR	4.930	14798.000	4.930	14798.010	4.930	14800.000	4.930	14800.010	4.980	14842.000	14842.000
GR	4.980	14842.010	4.980	14844.010	4.980	14844.020	5.020	14886.000	5.020	14886.010	14886.010
GR	5.020	14888.000	5.020	14888.010	5.070	14930.000	5.070	14930.010	5.070	14932.000	14932.000
GR	5.070	14932.010	5.110	14974.010	5.110	14974.020	5.110	14976.000	5.110	14976.010	14976.010
GR	5.160	15018.000	5.160	15018.010	5.160	15020.000	5.160	15020.010	5.200	15062.000	15062.000
GR	5.200	15062.010	5.200	15064.000	5.250	15106.000	5.250	15106.010	5.250	15106.010	15106.010
GR	5.250	15108.000	5.250	15108.010	5.290	15150.000	5.290	15150.010	5.300	15152.000	15152.000
GR	5.300	15152.010	5.340	15194.000	5.340	15194.010	5.340	15196.000	5.340	15196.010	15196.010
GR	5.380	15238.000	5.380	15238.010	5.390	15240.000	5.390	15240.010	5.430	15282.000	15282.000
GR	5.430	15282.010	5.430	15284.000	5.470	15328.000	5.470	15328.010	5.470	15328.010	15328.010
GR	5.470	15326.010	5.470	15328.010	5.470	15328.020	5.480	15370.000	5.480	15370.010	15370.010
GR	5.480	15372.000	5.480	15372.010	5.480	15414.000	5.480	15414.010	5.480	15416.000	15416.000
GR	5.480	15416.010	5.490	15458.000	5.490	15458.010	5.490	15460.000	5.490	15460.010	15460.010
GR	5.490	15502.000	5.500	15502.010	5.500	15504.000	5.500	15504.010	5.500	15546.000	15546.000
GR	5.500	15546.010	5.500	15548.000	5.510	15592.000	5.510	15592.010	5.510	15592.010	15592.010
GR	5.510	15592.010	5.510	15634.000	5.510	15634.010	5.510	15634.010	5.510	15636.000	15636.000
GR	5.510	15636.010	5.520	15678.000	5.520	15678.010	5.520	15680.000	5.520	15680.010	15680.010
GR	5.530	15722.000	5.530	15722.010	5.530	15724.000	5.530	15724.010	5.530	15766.000	15766.000
GR	5.530	15766.010	5.530	15768.000	5.530	15768.010	5.540	15812.000	5.540	15812.010	15812.010
GR	5.540	15812.010	5.540	15812.010	5.550	15898.000	5.550	15898.010	5.550	15900.010	15900.010
GR	5.540	15856.010	5.550	15898.000	5.550	15898.010	5.560	15942.000	5.560	15942.010	15942.010
GR	5.560	15942.010	5.560	15988.000	5.560	15988.010	5.560	15988.010	5.570	16030.010	16030.010
GR	5.570	16032.010	5.570	16032.010	5.570	16032.010	5.570	16032.010	5.610	16074.010	16074.010
GR	5.610	16076.000	5.610	16076.010	5.670	16118.000	5.670	16118.010	5.670	16120.000	16120.000
GR	5.670	16120.010	5.730	16162.000	5.730	16162.010	5.730	16164.000	5.730	16164.010	16164.010
GR	5.780	16206.000	5.780	16206.010	5.730	16208.000	5.790	16208.010	5.840	16250.000	16250.000

GR	5.840	16250.010	5.840	16252.000	5.840	16252.010	5.900	16294.010
GR	5.900	16296.000	5.900	16295.010	5.950	16338.000	5.960	16340.000
GR	5.960	16340.010	6.010	16382.000	6.010	16382.010	6.010	16384.010
GR	6.070	16426.000	6.070	16426.010	6.070	16427.000	6.070	16428.000
GR	5.990	16470.000	5.990	16470.010	5.990	16472.000	5.990	16472.010
GR	5.910	16514.010	5.900	16516.000	5.900	16516.010	5.820	16558.000
GR	5.823	16560.000	5.820	16560.010	5.740	16602.000	5.740	16602.010
GR	5.740	16604.010	5.660	16646.000	5.660	16646.010	5.660	16648.000
GR	5.580	16690.000	5.580	16690.010	5.570	16692.000	5.570	16692.010
GR	5.500	16734.010	5.490	16736.000	5.490	16736.010	5.410	16778.000
GR	5.410	16780.000	5.410	16780.010	5.330	16822.000	5.330	16822.010
GR	5.330	16824.010	5.270	16854.500	1.130	16866.000	1.120	16866.010
GR	5.400	16868.010	-5.970	16885.750	-5.970	16885.760	-7.140	16889.000
GR	-8.310	16892.260	-15.680	16912.700	-16.580	16970.900	-16.720	16980.000
GR	-17.030	17000.000	-17.340	17020.000	-17.340	17020.010	-17.490	17029.100
GR	-7.990	17107.750	-7.980	17107.760	-6.840	17111.000	-5.700	17114.250
GR	.520	17132.000	.530	17132.010	1.230	17134.000	1.230	17134.010
GR	7.570	17146.000	7.730	17176.000	7.730	17176.010	7.740	17178.010
GR	7.970	17220.000	7.970	17220.010	7.980	17222.000	7.980	17222.010
GR	8.210	17264.010	8.220	17266.000	8.220	17266.010	8.320	17284.000
GR	8.450	17308.990	8.450	17309.000	8.450	17309.010	8.970	17404.000
GR	19.570	17459.000	20.570	17484.000	20.470	17500.000	21.470	17549.000
GR	19.570	17784.000	.000	.000	.000	.000	.000	.000
KH	3.000	.110	16427.000	.035	17145.500	.110	17784.000	.000
X1	192832.000	281.000	16427.000	17145.500	1.000	1.000	1.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000
BT	-281.000	14279.000	20.030	20.010	14490.970	21.400	20.010	20.010
BT	.000	14490.990	23.600	20.010	14491.000	23.600	20.010	14490.980
BT	.000	14510.000	23.600	18.910	14516.000	23.600	18.910	14528.000
BT	.000	14529.000	23.600	18.910	14534.000	23.600	18.910	14534.010
BT	.000	14536.000	23.600	7.560	14536.010	23.600	18.910	14544.000
BT	.000	14578.000	23.600	18.910	14578.010	23.600	5.140	14580.000
BT	.000	14580.010	23.600	18.910	14622.010	23.600	18.910	14622.010
BT	.000	14624.000	23.610	5.190	14624.010	23.610	18.910	14666.000
BT	.000	14666.010	23.610	5.240	14668.000	23.610	5.240	14668.010
BT	.000	14710.000	23.610	18.920	14710.010	23.610	5.280	14712.000
BT	.000	14712.010	23.610	18.920	14754.000	23.610	18.920	14754.010
BT	.000	14756.000	23.610	5.330	14756.010	23.610	14798.000	14798.000
BT	.000	14798.010	23.610	5.370	14800.000	23.610	5.370	14800.010
BT	.000	14842.000	23.620	18.930	14842.010	23.620	5.420	14844.000
BT	.000	14844.010	23.620	18.930	14886.000	23.620	18.930	14886.010
BT	.000	14888.000	23.620	5.460	14888.010	23.620	18.930	14930.000
BT	.000	14930.010	23.620	5.510	14932.000	23.620	5.510	14932.010
BT	.000	14974.000	23.620	18.930	14974.010	23.620	5.550	14976.000
BT	.000	14976.010	23.620	18.930	15018.000	23.620	5.550	15018.010
BT	.000	15020.000	23.620	5.600	15020.010	23.620	18.930	15062.000
BT	.000	15062.010	23.630	5.640	15064.000	23.630	5.640	15064.010
BT	.000	15108.010	23.630	18.940	15106.010	23.630	5.690	15108.000
BT	.000	15108.010	23.630	18.940	15150.000	23.630	5.690	15150.010
BT	.000	15152.000	23.630	5.740	15152.010	23.630	18.940	15194.000
BT	.000	15194.010	23.630	5.780	15196.000	23.630	5.780	15196.010
BT	.000	15238.000	23.640	18.950	15238.010	23.640	5.820	15240.000
BT	.000	15240.010	23.640	18.950	15282.000	23.640	5.820	15282.010
BT	.000	15240.010	23.640	18.950	15282.000	23.640	5.870	15282.010

BT	.000	15284.000	23.640	5.870	15284.010	23.640	18.950	15322.000	23.640	18.950
BT	.000	15326.000	23.640	18.950	15326.010	23.640	5.910	15328.000	23.640	5.910
BT	.000	15328.010	23.640	18.950	15370.000	23.640	18.950	15370.010	23.640	5.920
BT	.000	15372.000	23.640	5.920	15372.010	23.640	18.950	15414.000	23.650	18.960
BT	.000	15414.010	23.650	5.920	15416.000	23.650	5.920	15416.010	23.650	18.960
BT	.000	15458.000	23.650	18.960	15458.010	23.650	5.930	15460.000	23.650	5.930
BT	.000	15460.010	23.650	18.960	15502.000	23.650	18.960	15502.010	23.650	5.940
BT	.000	15504.000	23.650	5.940	15504.010	23.650	18.960	15546.000	23.650	18.960
BT	.000	15546.010	23.650	5.940	15548.000	23.650	5.940	15548.010	23.650	18.960
BT	.000	15590.000	23.650	18.960	15590.010	23.650	5.950	15592.000	23.650	5.950
BT	.000	15592.010	23.650	18.960	15634.000	23.660	18.970	15634.010	23.660	5.950
BT	.000	15636.000	23.660	5.950	15636.010	23.660	18.970	15678.000	23.660	18.970
BT	.000	15678.010	23.660	5.960	15680.000	23.660	5.960	15680.010	23.660	18.970
BT	.000	15722.000	23.660	18.970	15722.010	23.660	5.970	15724.000	23.660	5.970
BT	.000	15724.010	23.660	18.970	15766.000	23.660	18.970	15766.010	23.660	5.970
BT	.000	15768.000	23.660	5.970	15768.010	23.660	18.970	15810.000	23.670	18.980
BT	.000	15810.010	23.670	5.980	15812.000	23.670	5.980	15812.010	23.670	18.980
BT	.000	15854.000	23.670	18.980	15854.010	23.670	5.980	15856.000	23.670	5.980
BT	.000	15856.010	23.670	18.980	15898.000	23.670	18.980	15898.010	23.670	5.990
BT	.000	15900.000	23.670	5.990	15900.010	23.670	18.980	15942.000	23.670	18.980
BT	.000	15942.010	23.670	6.000	15944.000	23.670	6.000	15944.010	23.670	18.980
BT	.000	15986.000	23.670	18.980	15986.010	23.670	6.000	15988.000	23.670	6.000
BT	.000	15988.010	23.670	18.980	16030.000	23.680	18.990	16030.010	23.680	6.010
BT	.000	16032.000	23.680	6.010	16032.010	23.680	18.990	16042.000	23.680	18.990
BT	.000	16074.000	23.680	18.990	16074.010	23.680	6.050	16076.000	23.680	6.050
BT	.000	16076.010	23.680	18.990	16118.000	23.680	18.990	16118.010	23.680	6.110
BT	.000	16120.000	23.680	6.110	16120.010	23.680	18.990	16162.000	23.680	18.990
BT	.000	16162.010	23.680	6.170	16164.000	23.680	6.170	16164.010	23.680	18.990
BT	.000	16206.000	23.690	19.000	16206.010	23.690	6.220	16208.000	23.690	6.230
BT	.000	16208.010	23.690	19.000	16250.000	23.690	19.000	16250.010	23.690	6.280
BT	.000	16252.000	23.690	6.280	16252.010	23.690	19.000	16294.000	23.690	19.000
BT	.000	16294.010	23.690	6.340	16296.000	23.690	6.340	16296.010	23.690	19.000
BT	.000	16338.000	23.690	19.000	16338.010	23.690	6.390	16340.000	23.690	6.400
BT	.000	16340.010	23.690	19.000	16382.000	23.690	19.000	16382.010	23.690	6.450
BT	.000	16384.000	23.690	6.450	16384.010	23.690	19.000	16426.000	23.700	19.010
BT	.000	16426.010	23.700	6.510	16427.000	23.700	6.510	16428.000	23.700	6.510
BT	.000	16428.010	23.700	19.010	16470.000	23.700	19.010	16470.010	23.700	6.430
BT	.000	16472.000	23.700	6.430	16472.010	23.700	19.010	16514.000	23.700	19.010
BT	.000	16514.010	23.700	6.350	16516.000	23.700	6.340	16516.010	23.700	19.010
BT	.000	16558.000	23.700	19.010	16558.010	23.700	6.260	16560.000	23.700	6.260
BT	.000	16560.010	23.700	19.010	16602.000	23.710	19.020	16602.010	23.710	6.180
BT	.000	16604.000	23.710	6.180	16604.010	23.710	19.020	16646.000	23.710	19.020
BT	.000	16646.010	23.710	6.100	16648.000	23.710	6.100	16648.010	23.710	19.020
BT	.000	16690.000	23.710	19.020	16690.010	23.710	6.020	16692.000	23.710	6.010
BT	.000	16692.010	23.710	19.020	16734.000	23.710	19.020	16734.010	23.710	5.940
BT	.000	16736.000	23.710	5.930	16736.010	23.710	19.020	16778.000	23.710	19.020
BT	.000	16778.010	23.710	5.850	16780.000	23.710	5.850	16780.010	23.710	19.020
BT	.000	16822.000	23.720	19.030	16822.010	23.720	5.770	16824.000	23.720	5.770
BT	.000	16824.010	23.720	19.030	16854.500	23.720	19.030	16866.000	23.720	19.030
BT	.000	16866.010	23.720	1.560	16868.000	23.720	.850	16868.010	23.720	19.030
BT	.000	16885.750	23.720	19.030	16885.760	23.720	-5.530	16889.000	23.720	-6.700
BT	.000	16892.250	23.720	-7.870	16892.260	23.720	19.030	16912.700	23.760	19.070
BT	.000	16970.900	23.850	19.160	16980.000	23.860	19.170	16980.010	23.860	-16.290
BT	.000	17000.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.170

BT	.000	17029.100	23.850	19.160	17087.300	23.760	19.070	17107.750	23.720	19.030
BT	.000	17107.760	23.720	-7.540	17111.000	23.720	-6.400	17114.250	23.730	-5.260
BT	.000	17114.260	23.730	19.040	17132.000	23.760	19.070	17132.010	23.760	.970
BT	.000	17134.000	23.760	1.670	17134.010	23.760	19.070	17145.500	23.780	19.090
BT	.000	17146.000	23.780	19.090	17176.000	23.830	19.140	17176.010	23.830	8.170
BT	.000	17178.000	23.840	8.180	17178.010	23.840	19.150	17220.000	23.910	19.220
BT	.000	17220.010	23.910	8.410	17222.000	23.920	8.420	17222.010	23.920	19.230
BT	.000	17264.000	23.990	19.300	17264.010	23.990	8.650	17266.000	23.990	8.660
BT	.000	17266.010	23.990	19.300	17284.000	24.030	19.340	17308.980	24.070	19.380
BT	.000	17308.990	24.070	14.140	17309.000	21.870	8.890	17309.010	21.870	8.890
BT	.000	17404.000	21.880	9.410	17421.000	21.890	10.010	17459.000	21.890	20.010
BT	.000	17424.000	21.900	21.010	17500.000	21.900	21.230	17549.000	21.930	21.910
BT	.000	17683.000	20.900	20.830	17784.000	20.030	20.010	.000	.000	.000
GR	20.010	14279.000	20.010	14490.970	20.010	14490.980	20.010	14490.990	20.010	14491.000
GR	18.910	14491.010	17.220	14510.000	16.680	14516.000	10.010	14528.000	9.700	14529.000
GR	8.170	14534.000	8.170	14534.010	7.560	14536.000	7.560	14536.010	5.110	14544.000
GR	5.140	14578.000	5.140	14578.010	5.150	14580.000	5.150	14580.010	5.190	14622.000
GR	5.190	14622.010	5.190	14624.000	5.190	14624.010	5.240	14666.000	5.240	14666.010
GR	5.240	14668.000	5.240	14668.010	5.280	14710.000	5.280	14710.010	5.280	14712.000
GR	5.280	14712.010	5.330	14754.000	5.330	14754.010	5.330	14756.000	5.330	14756.010
GR	5.370	14798.000	5.370	14798.010	5.370	14800.000	5.370	14800.010	5.420	14842.000
GR	5.420	14842.010	5.420	14844.000	5.420	14844.010	5.460	14886.000	5.460	14886.010
GR	5.460	14888.000	5.460	14888.010	5.510	14930.000	5.510	14930.010	5.510	14932.000
GR	5.510	14932.010	5.550	14974.000	5.550	14974.010	5.550	14976.000	5.550	14976.010
GR	5.600	15018.000	5.600	15018.010	5.600	15020.000	5.600	15020.010	5.640	15062.000
GR	5.640	15062.010	5.640	15064.000	5.640	15064.010	5.690	15106.000	5.690	15106.010
GR	5.690	15108.000	5.690	15108.010	5.730	15150.000	5.730	15150.010	5.740	15152.000
GR	5.740	15152.010	5.780	15194.000	5.780	15194.010	5.780	15196.000	5.780	15196.010
GR	5.820	15238.000	5.820	15238.010	5.830	15240.000	5.830	15240.010	5.870	15282.000
GR	5.870	15282.010	5.870	15284.000	5.870	15284.010	5.910	15322.000	5.910	15326.000
GR	5.910	15326.010	5.910	15328.000	5.910	15328.010	5.920	15370.000	5.920	15370.010
GR	5.920	15372.000	5.920	15372.010	5.920	15414.000	5.920	15414.010	5.920	15416.000
GR	5.920	15416.010	5.930	15458.000	5.930	15458.010	5.930	15460.000	5.930	15460.010
GR	5.930	15502.000	5.940	15502.010	5.940	15504.000	5.940	15504.010	5.940	15546.000
GR	5.940	15546.010	5.940	15548.000	5.940	15548.010	5.950	15590.000	5.950	15590.010
GR	5.950	15592.000	5.950	15592.010	5.950	15634.000	5.950	15634.010	5.950	15636.000
GR	5.950	15636.010	5.960	15678.000	5.960	15678.010	5.960	15680.000	5.960	15680.010
GR	5.970	15722.000	5.970	15722.010	5.970	15724.000	5.970	15724.010	5.970	15766.000
GR	5.970	15766.010	5.970	15768.000	5.970	15768.010	5.980	15810.000	5.980	15810.010
GR	5.980	15812.000	5.980	15812.010	5.980	15854.000	5.980	15854.010	5.980	15856.000
GR	5.980	15856.010	5.990	15898.000	5.990	15898.010	5.990	15900.000	5.990	15900.010
GR	6.000	15942.000	6.000	15942.010	6.000	15944.000	6.000	15944.010	6.000	15986.000
GR	6.000	15986.010	6.000	15988.000	6.000	15988.010	6.010	16030.000	6.010	16030.010
GR	6.010	16032.000	6.010	16032.010	6.010	16042.000	6.050	16074.000	6.050	16074.010
GR	6.050	16076.000	6.050	16076.010	6.110	16118.000	6.110	16118.010	6.110	16120.000
GR	6.110	16120.010	6.170	16162.000	6.170	16162.010	6.170	16164.000	6.170	16164.010
GR	6.220	16206.000	6.220	16206.010	6.230	16208.000	6.230	16208.010	6.280	16250.000
GR	6.280	16250.010	6.280	16252.000	6.280	16252.010	6.340	16294.000	6.340	16294.010
GR	6.340	16296.000	6.340	16296.010	6.390	16338.000	6.390	16338.010	6.400	16340.000
GR	6.400	16340.010	6.450	16382.000	6.450	16382.010	6.450	16384.000	6.450	16384.010
GR	6.510	16426.000	6.510	16426.010	6.510	16427.000	6.510	16428.000	6.510	16428.010
GR	6.430	16470.000	6.430	16470.010	6.430	16472.000	6.430	16472.010	6.350	16514.000
GR	6.350	16514.010	6.340	16516.000	6.340	16516.010	6.260	16558.000	6.260	16558.010
GR	6.260	16560.000	6.260	16560.010	6.180	16602.000	6.180	16602.010	6.180	16604.000

GR	6.180	16604.010	6.100	16646.000	6.100	16646.010	6.100	16648.000	6.100	16648.010
GR	6.020	16590.000	6.020	16690.010	6.010	16692.000	6.010	16692.010	5.940	16734.000
GR	5.940	16734.010	5.930	16736.000	5.930	16736.010	5.850	16778.000	5.850	16778.010
GR	5.850	16780.000	5.850	16780.010	5.770	16822.000	5.770	16822.010	5.770	16824.000
GR	5.770	16824.010	5.710	16854.000	1.570	16866.000	1.560	16866.010	.850	16868.000
GR	8.40	16868.010	5.530	16885.750	5.530	16885.760	6.700	16889.000	7.870	16892.250
GR	16.590	16892.260	16.240	16912.700	16.140	16970.900	16.290	16980.000	16.290	16980.010
GR	7.550	17107.750	7.540	17107.760	6.400	17111.000	5.260	17114.250	5.260	17114.260
GR	9.60	17132.000	.970	17132.010	1.670	17134.000	1.670	17134.010	5.710	17145.500
GR	8.010	17146.000	8.170	17176.000	8.170	17176.010	8.180	17178.000	8.180	17178.010
GR	8.410	17220.000	8.410	17220.010	8.420	17222.000	8.420	17222.010	8.650	17264.000
GR	8.650	17264.010	8.660	17266.000	8.660	17266.010	8.760	17284.000	19.380	17308.980
GR	8.890	17308.990	8.890	17309.000	8.890	17309.010	9.410	17404.000	10.010	17421.000
GR	20.010	17459.000	21.010	17484.000	21.230	17500.000	21.910	17549.000	20.830	17683.000
GR	20.010	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.035	17145.500	.110	17784.000	.000	.000	.000

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X1	192868.000	281.000	16427.000	17145.500	36.000	36.000	36.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
BT	281.000	14279.000	20.020	20.000	14490.970	21.400	20.000	20.000	20.000	20.000
BT	.000	14490.990	23.600	20.000	14491.000	23.600	20.000	14491.010	23.600	18.900
BT	.000	14510.000	23.600	18.900	14516.000	23.600	18.900	14528.000	23.600	18.900
BT	.000	14529.000	23.600	18.900	14534.000	23.600	18.900	14534.010	23.600	8.160
BT	.000	14536.000	23.600	7.550	14536.010	23.600	18.900	14544.000	23.600	18.900
BT	.000	14578.000	23.600	18.900	14578.010	23.600	5.130	14580.000	23.600	5.140
BT	.000	14580.010	23.600	18.900	14622.000	23.600	18.900	14622.010	23.600	5.180
BT	.000	14624.000	23.600	5.180	14624.010	23.600	18.900	14666.000	23.610	18.910
BT	.000	14666.010	23.610	5.230	14668.000	23.610	5.230	14668.010	23.610	18.910
BT	.000	14710.000	23.610	18.910	14710.010	23.610	5.270	14712.000	23.610	5.270
BT	.000	14712.010	23.610	18.910	14754.000	23.610	18.910	14754.010	23.610	5.320
BT	.000	14756.000	23.610	5.320	14756.010	23.610	18.910	14798.000	23.610	18.910
BT	.000	14798.010	23.610	5.360	14800.000	23.610	5.360	14800.010	23.610	18.910
BT	.000	14842.000	23.620	18.920	14842.010	23.620	5.410	14844.000	23.620	5.410
BT	.000	14844.010	23.620	18.920	14886.000	23.620	18.920	14886.010	23.620	5.450
BT	.000	14888.000	23.620	5.450	14888.010	23.620	18.920	14930.000	23.620	18.920
BT	.000	14930.010	23.620	5.500	14932.000	23.620	5.500	14932.010	23.620	18.920
BT	.000	14974.000	23.620	18.920	14974.010	23.620	5.540	14976.000	23.620	5.540
BT	.000	14976.010	23.620	18.920	15018.000	23.620	18.920	15018.010	23.620	5.590
BT	.000	15020.000	23.620	5.590	15020.010	23.620	18.920	15062.000	23.630	18.930
BT	.000	15062.010	23.630	5.630	15064.000	23.630	5.630	15064.010	23.630	18.930
BT	.000	15106.000	23.630	18.930	15106.010	23.630	5.680	15108.000	23.630	5.680
BT	.000	15108.010	23.630	18.930	15150.000	23.630	18.930	15150.010	23.630	5.720
BT	.000	15152.000	23.630	5.730	15152.010	23.630	18.930	15194.000	23.630	18.930
BT	.000	15194.010	23.630	5.770	15196.000	23.630	5.770	15196.010	23.630	18.930
BT	.000	15238.000	23.640	18.940	15238.010	23.640	5.810	15240.000	23.640	5.820
BT	.000	15240.010	23.640	18.940	15282.000	23.640	18.940	15282.010	23.640	5.860
BT	.000	15284.000	23.640	5.860	15284.010	23.640	18.940	15322.000	23.640	18.940
BT	.000	15326.000	23.640	18.940	15326.010	23.640	5.900	15328.000	23.640	5.900
BT	.000	15328.010	23.640	18.940	15370.000	23.640	18.940	15370.010	23.640	5.910
BT	.000	15372.000	23.640	5.910	15372.010	23.640	18.940	15414.000	23.650	18.950

BT	.000	15414.010	23.650	5.910	15416.000	23.650	5.910	15416.010	23.650	18.950
BT	.000	15458.000	23.650	18.950	15458.010	23.650	5.920	15460.000	23.650	5.920
BT	.000	15460.010	23.650	5.930	15502.000	23.650	18.950	15502.010	23.650	5.930
BT	.000	15504.000	23.650	5.930	15504.010	23.650	18.950	15546.000	23.650	18.950
BT	.000	15546.010	23.650	5.930	15548.000	23.650	5.930	15548.010	23.650	18.950
BT	.000	15590.000	23.650	18.950	15590.010	23.650	5.940	15592.000	23.650	5.940
BT	.500	15592.010	23.650	18.950	15634.000	23.660	18.960	15634.010	23.660	18.960
BT	.000	15636.000	23.660	5.940	15636.010	23.660	5.950	15678.000	23.660	18.960
BT	.000	15678.010	23.660	5.950	15680.000	23.660	5.950	15680.010	23.660	18.960
BT	.000	15722.000	23.660	18.960	15722.010	23.660	5.960	15724.000	23.660	5.960
BT	.000	15724.010	23.660	5.960	15768.000	23.660	18.960	15768.010	23.670	18.970
BT	.000	15810.010	23.670	5.970	15812.000	23.670	5.970	15812.010	23.670	18.970
BT	.000	15854.000	23.670	18.970	15854.010	23.670	5.970	15856.000	23.670	5.970
BT	.000	15856.010	23.670	18.970	15898.000	23.670	18.970	15898.010	23.670	18.970
BT	.000	15900.000	23.670	5.980	15900.010	23.670	18.970	15942.000	23.670	18.970
BT	.000	15942.010	23.670	5.990	15944.000	23.670	5.990	15944.010	23.670	18.970
BT	.000	15986.000	23.670	18.970	15986.010	23.670	5.990	15988.000	23.670	5.990
BT	.000	15988.010	23.680	18.970	16030.000	23.680	18.980	16030.010	23.680	6.000
BT	.000	16032.000	23.680	6.000	16032.010	23.680	18.980	16074.000	23.680	6.000
BT	.000	16074.000	23.680	18.980	16074.010	23.680	6.040	16076.000	23.680	6.040
BT	.000	16076.010	23.680	18.980	16118.000	23.680	18.980	16118.010	23.680	6.100
BT	.000	16120.000	23.680	6.100	16120.010	23.680	18.980	16162.000	23.680	18.980
BT	.000	16162.010	23.680	6.160	16164.000	23.680	6.210	16164.010	23.680	18.980
BT	.000	16206.000	23.690	18.990	16206.010	23.690	6.220	16208.000	23.690	6.220
BT	.000	16208.010	23.690	18.990	16250.000	23.690	18.990	16250.010	23.690	6.270
BT	.000	16252.000	23.690	6.270	16252.010	23.690	18.990	16294.000	23.690	18.990
BT	.000	16294.010	23.690	6.330	16296.000	23.690	6.330	16296.010	23.690	6.390
BT	.000	16338.000	23.690	18.990	16338.010	23.690	6.380	16340.000	23.690	6.390
BT	.000	16340.010	23.690	18.990	16382.000	23.690	18.990	16382.010	23.690	6.440
BT	.000	16384.000	23.690	6.440	16384.010	23.690	18.990	16426.000	23.700	19.000
BT	.000	16426.010	23.700	6.500	16427.000	23.700	6.500	16428.000	23.700	6.500
BT	.000	16428.010	23.700	19.000	16470.000	23.700	19.000	16470.010	23.700	6.420
BT	.000	16472.000	23.700	6.420	16472.010	23.700	19.000	16514.000	23.700	19.000
BT	.000	16514.010	23.700	6.340	16516.000	23.700	6.330	16516.010	23.700	19.000
BT	.000	16558.000	23.700	19.000	16558.010	23.700	6.250	16560.000	23.700	6.250
BT	.000	16560.010	23.700	19.000	16602.000	23.710	19.010	16602.010	23.710	6.170
BT	.000	16604.000	23.710	6.170	16604.010	23.710	6.090	16646.000	23.710	19.010
BT	.000	16646.010	23.710	6.090	16648.000	23.710	6.090	16648.010	23.710	19.010
BT	.000	16690.000	23.710	19.010	16690.010	23.710	6.010	16692.000	23.710	6.000
BT	.000	16692.010	23.710	19.010	16734.000	23.710	19.010	16734.010	23.710	5.930
BT	.000	16736.000	23.710	5.920	16736.010	23.710	19.010	16778.000	23.710	19.010
BT	.000	16778.010	23.710	5.840	16780.000	23.710	5.840	16780.010	23.710	19.010
BT	.000	16822.000	23.720	19.020	16822.010	23.720	5.760	16824.000	23.720	5.760
BT	.000	16824.010	23.720	19.020	16854.500	23.720	19.020	16854.500	23.720	19.020
BT	.000	16886.010	23.720	1.550	16888.000	23.720	.840	16888.010	23.720	19.020
BT	.000	16886.750	23.720	19.020	16885.760	23.720	-5.540	16889.000	23.720	19.020
BT	.000	16892.250	23.720	-7.880	16892.260	23.720	19.020	16912.700	23.760	19.060
BT	.000	16970.900	23.850	19.150	16980.000	23.860	19.160	16980.010	23.860	-16.300
BT	.000	17000.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.160
BT	.000	17029.100	23.850	19.150	17087.300	23.860	19.060	17107.750	23.720	19.020
BT	.000	17107.760	23.720	-7.560	17111.000	23.720	-6.410	17114.250	23.730	-5.280
BT	.000	17114.260	23.730	19.030	17132.000	23.760	19.060	17132.010	23.760	.960
BT	.000	17134.000	23.760	1.660	17134.010	23.760	19.060	17145.500	23.780	19.080

BT	.000	17146.000	19.080	17176.000	23.830	17176.010	23.830	17176.010	23.830	17176.010	8.160
BT	.000	17178.000	8.179	17178.010	23.840	17178.010	23.840	17220.000	23.910	17220.000	19.210
BT	.000	17220.010	8.400	17222.000	23.920	17222.000	23.920	17222.010	23.920	17222.010	19.220
BT	.000	17264.000	19.290	17284.010	23.990	17284.010	23.990	17266.000	23.990	17266.000	8.650
BT	.000	17266.010	19.290	17284.000	24.030	17284.000	24.030	17308.980	24.070	17308.980	19.370
BT	.000	17308.990	14.130	17309.000	21.870	17309.000	21.870	17309.010	21.870	17309.010	8.880
BT	.000	17404.000	21.880	17421.000	21.890	17421.000	21.890	17459.000	21.890	17459.000	20.000
BT	.000	17484.000	21.000	17500.000	21.900	17500.000	21.900	17549.000	21.910	17549.000	21.900
BT	.000	17683.000	20.820	17784.000	20.020	17784.000	20.020	.000	.000	.000	.000
GR	20.000	14490.970	14490.970	20.000	14490.980	14490.980	14490.980	14490.990	20.000	14490.990	14491.000
GR	18.900	14491.010	14510.030	16.670	14516.000	14516.000	14516.000	14528.000	9.690	14528.000	14529.000
GR	8.160	14534.000	7.550	14536.000	7.550	14536.000	7.550	14536.010	5.100	14544.000	14544.000
GR	5.130	14578.000	5.140	14580.000	5.140	14580.000	5.140	14580.010	5.180	14622.000	14622.000
GR	5.180	14622.010	5.180	14624.000	5.180	14624.010	5.230	14666.000	5.230	14666.010	14666.010
GR	5.230	14668.000	5.230	14668.010	5.270	14710.000	5.270	14710.010	5.270	14712.000	14712.000
GR	5.270	14712.010	5.320	14754.000	5.320	14754.010	5.320	14756.000	5.320	14756.010	14756.010
GR	5.360	14798.000	5.360	14798.010	5.360	14800.000	5.360	14800.010	5.410	14842.000	14842.000
GR	5.410	14842.010	5.410	14844.000	5.410	14844.010	5.450	14896.000	5.450	14896.010	14896.010
GR	5.450	14888.000	5.450	14888.010	5.500	14930.000	5.500	14930.010	5.500	14932.000	14932.000
GR	5.500	14932.010	5.540	14974.000	5.540	14974.010	5.540	14976.000	5.540	14976.010	14976.010
GR	5.590	15018.000	5.590	15018.010	5.590	15020.000	5.590	15020.010	5.630	15062.000	15062.000
GR	5.630	15062.010	5.630	15064.000	5.630	15064.010	5.680	15106.000	5.680	15106.010	15106.010
GR	5.680	15108.000	5.680	15108.010	5.720	15150.000	5.720	15150.010	5.730	15152.000	15152.000
GR	5.730	15152.010	5.770	15194.000	5.770	15194.010	5.770	15196.000	5.770	15196.010	15196.010
GR	5.810	15238.000	5.810	15238.010	5.820	15240.000	5.820	15240.010	5.860	15282.000	15282.000
GR	5.860	15282.010	5.860	15284.000	5.860	15284.010	5.900	15322.000	5.900	15322.010	15322.010
GR	5.900	15326.010	5.900	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010	15370.010
GR	5.910	15372.000	5.910	15372.010	5.910	15414.000	5.910	15414.010	5.910	15416.000	15416.000
GR	5.910	15416.010	5.920	15458.000	5.920	15458.010	5.920	15460.000	5.920	15460.010	15460.010
GR	5.920	15502.000	5.930	15502.010	5.930	15504.000	5.930	15504.010	5.930	15546.000	15546.000
GR	5.930	15546.010	5.930	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010	15590.010
GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15636.000	15636.000
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000	15766.000
GR	5.960	15766.010	5.960	15768.000	5.960	15768.010	5.970	15810.000	5.970	15810.010	15810.010
GR	5.970	15812.000	5.970	15812.010	5.970	15854.000	5.970	15854.010	5.970	15856.000	15856.000
GR	5.970	15856.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.000	16042.010	6.040	16074.010	16074.010
GR	6.040	16076.000	6.040	16076.010	6.100	16118.000	6.100	16118.010	6.100	16120.000	16120.000
GR	6.100	16120.010	6.160	16162.000	6.160	16162.010	6.160	16164.000	6.160	16164.010	16164.010
GR	6.210	16206.000	6.210	16206.010	6.220	16208.000	6.220	16208.010	6.270	16250.000	16250.000
GR	6.270	16250.010	6.270	16252.000	6.270	16252.010	6.330	16294.000	6.330	16294.010	16294.010
GR	6.330	16296.000	6.330	16296.010	6.380	16338.000	6.380	16338.010	6.390	16340.000	16340.000
GR	6.390	16340.010	6.440	16382.000	6.440	16382.010	6.440	16384.000	6.440	16384.010	16384.010
GR	6.500	16426.000	6.500	16426.010	6.500	16427.000	6.500	16428.000	6.500	16428.010	16428.010
GR	6.420	16470.000	6.420	16470.010	6.420	16472.000	6.420	16472.010	6.340	16514.000	16514.000
GR	6.340	16514.010	6.330	16516.000	6.330	16516.010	6.250	16558.000	6.250	16558.010	16558.010
GR	6.250	16560.000	6.170	16602.000	6.170	16602.010	6.170	16602.010	6.170	16604.000	16604.000
GR	6.170	16604.010	6.090	16646.000	6.090	16646.010	6.090	16648.000	6.090	16648.010	16648.010
GR	6.010	16690.000	6.010	16690.010	6.000	16692.000	6.000	16692.010	5.930	16734.000	16734.000
GR	5.930	16734.010	5.920	16736.000	5.920	16736.010	5.840	16778.010	5.840	16778.010	16778.010
GR	5.840	16780.000	5.840	16780.010	5.760	16822.000	5.760	16822.010	5.760	16824.000	16824.000

GR	5.760	16824.010	5.700	16854.500	1.560	16866.000	1.550	16866.010	.840	16868.000
GR	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16890.000	-7.880	16892.250
GR	-7.880	16892.260	-15.250	16912.700	-16.150	16970.500	-16.300	16980.000	-16.300	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000	3.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	19.370	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.010	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.600	.000	.000	.000
NH	3.000	.110	16427.000	.040	17145.500	.110	17784.000	.000	.000	.000
X1	192869.000	281.000	16427.000	17145.500	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	20.000	14279.000	20.000	14490.970	20.000	14490.980	20.000	14490.990	20.000	14491.000
GR	20.000	14491.010	20.000	14510.000	16.670	14516.000	10.000	14528.000	9.690	14529.000
GR	3.160	14534.000	8.160	14534.010	7.550	14536.000	7.550	14536.010	5.100	14544.000
GR	5.130	14578.000	5.130	14578.010	5.140	14580.000	5.140	14580.010	5.180	14622.000
GR	5.180	14622.010	5.180	14624.000	5.180	14624.010	5.230	14666.000	5.230	14666.010
GR	5.230	14668.000	5.230	14668.010	5.270	14710.000	5.270	14710.010	5.320	14712.000
GR	5.270	14712.010	5.320	14754.000	5.320	14754.010	5.320	14756.000	5.320	14756.010
GR	5.360	14798.000	5.360	14798.010	5.360	14800.000	5.360	14800.010	5.410	14842.000
GR	5.410	14842.010	5.410	14844.000	5.410	14844.010	5.450	14886.000	5.450	14886.010
GR	5.450	14888.000	5.450	14888.010	5.500	14930.000	5.500	14930.010	5.500	14932.000
GR	5.500	14932.010	5.540	14974.000	5.540	14974.010	5.540	14976.000	5.540	14976.010
GR	5.590	15018.000	5.590	15018.010	5.590	15020.000	5.590	15020.010	5.630	15062.000
GR	5.630	15062.010	5.630	15064.000	5.630	15064.010	5.680	15106.000	5.680	15106.010
GR	5.680	15108.000	5.680	15164.010	5.720	15150.000	5.720	15150.010	5.730	15152.000
GR	5.720	15152.010	5.770	15194.000	5.770	15194.010	5.770	15196.000	5.770	15196.010
GR	5.810	15238.000	5.810	15238.010	5.820	15240.000	5.820	15240.010	5.860	15282.000
GR	5.860	15282.010	5.860	15284.000	5.860	15284.010	5.900	15322.000	5.900	15322.000
GR	5.900	15326.010	5.900	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	5.910	15372.010	5.910	15414.000	5.910	15414.010	5.910	15416.000
GR	5.910	15416.010	5.920	15458.000	5.920	15458.010	5.920	15460.000	5.920	15460.010
GR	5.920	15502.000	5.930	15502.010	5.930	15504.000	5.930	15504.010	5.930	15546.000
GR	5.930	15546.010	5.930	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010
GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15634.010
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	5.970	15812.000	5.970	15812.010	5.970	15810.000	5.970	15810.010
GR	5.970	15854.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.040	16074.000	6.040	16074.010
GR	6.040	16076.000	6.040	16076.010	6.100	16118.000	6.100	16118.010	6.100	16120.000
GR	6.100	16120.010	6.160	16162.000	6.160	16162.010	6.220	16208.010	6.220	16208.010
GR	6.210	16206.000	6.210	16206.010	6.220	16208.010	6.220	16208.010	6.270	16294.010
GR	6.270	16250.010	6.270	16252.000	6.270	16252.010	6.330	16294.000	6.330	16294.010
GR	6.330	16296.000	6.330	16296.010	6.380	16338.000	6.380	16338.010	6.390	16340.000
GR	6.390	16340.010	6.440	16382.000	6.440	16382.010	6.440	16384.000	6.440	16384.010
GR	6.500	16426.000	6.500	16426.010	6.500	16427.000	6.500	16428.000	6.500	16428.010

GR	6.420	16470.000	6.420	16470.010	6.420	16472.000	6.420	16472.010	6.340	16514.000
GR	6.340	16514.010	6.330	16516.000	6.330	16516.010	6.250	16558.000	6.250	16558.010
GR	6.250	16560.000	6.250	16560.010	6.170	16602.000	6.170	16602.010	6.170	16604.000
GR	6.170	16604.010	6.090	16646.000	6.090	16646.010	6.090	16648.000	6.090	16648.010
GR	6.010	16690.000	6.010	16690.010	6.000	16692.000	6.000	16692.010	5.930	16734.000
GR	5.930	16734.010	5.920	16736.000	5.920	16736.010	5.840	16778.000	5.840	16778.010
GR	5.840	16780.000	5.840	16780.010	5.760	16822.000	5.760	16822.010	5.760	16824.000
GR	5.760	16824.010	5.700	16854.500	1.560	16866.000	1.550	16866.010	.840	16868.000
GR	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000	-7.880	16892.250
GR	-7.880	16892.260	-15.250	16912.700	-16.150	16970.900	-16.300	16980.000	-16.300	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000	8.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	8.880	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000
ET	.000	.000	.000	.000	.000	14.410	.000	.000	.000	.000

Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27559.000	27559.000	27559.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17539.500	5.800	17551.500
GR	5.500	17911.500	5.500	23521.500	5.500	24631.500	6.560	25011.500	9.840	25331.500
GR	11.490	25541.500	9.840	25751.500	6.560	26827.500	6.560	31093.500	6.560	32345.500
GR	13.120	32517.500	13.120	33445.500	19.690	33545.500	26.250	33615.500	32.810	33665.500
GR	39.370	33725.500	45.930	33765.500	52.490	33821.500	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16865.500	.050	17191.500	.110	40739.500	.000	.000	.000

Cross Section F

X1	232663.000	43.000	16865.500	17191.500	12235.000	12235.000	12235.000	.000	.000	.000
GR	28.900	16346.500	28.000	16436.500	28.000	16606.500	28.000	16684.500	28.000	16736.500
GR	28.000	16751.500	26.000	16760.500	24.000	16767.500	22.000	16775.500	20.000	16787.500
GR	18.000	16800.500	16.000	16824.500	14.000	16847.500	12.000	16856.500	10.000	16865.500
GR	8.000	16871.500	7.150	16872.500	-13.900	16923.500	-17.800	16974.500	-12.290	17025.500
GR	-15.190	17076.500	7.150	17127.500	8.000	17136.500	10.000	17163.500	10.500	17191.500
GR	10.000	17333.500	8.000	17803.500	8.000	18133.500	6.000	19225.500	6.000	20435.500
GR	6.100	20715.500	6.560	30335.500	9.840	30825.500	11.480	31051.500	9.840	31281.500
GR	6.560	31693.500	6.560	32313.500	9.840	32523.500	9.840	36903.500	13.120	40579.500
GR	19.690	40637.500	26.250	40677.500	32.810	40739.500	.000	.000	.000	.000

THIS RUN EXECUTED 01-09-89 16:19:09

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - C1,02,03,04,05,06
 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

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
151325.000	.00	.00	.00	-37.46	25000.00	6.28	.00	6.31	.50	1.96	85743.04	35402.99
151325.000	.00	.00	.00	-37.46	35000.00	7.18	.00	7.20	.50	2.01	114695.60	49680.73
151325.000	.00	.00	.00	-37.46	49000.00	8.18	.00	8.20	.51	2.09	147210.00	68815.90
151325.000	.00	.00	.00	-37.46	132000.00	12.61	.00	12.62	.50	2.32	290569.80	186624.10
162262.000	10937.00	.00	.00	-36.87	25000.00	6.91	.00	6.93	.66	1.91	76741.91	30723.94
162262.000	10937.00	.00	.00	-36.87	35000.00	7.80	.00	7.82	.65	1.96	102142.50	43448.79
162262.000	10937.00	.00	.00	-36.87	49000.00	8.81	.00	8.83	.65	2.04	131218.80	60746.03
162262.000	10937.00	.00	.00	-36.87	132000.00	13.22	.00	13.23	.63	2.31	258627.70	166109.90
171586.000	9324.00	.00	.00	-20.95	25000.00	7.55	.00	7.57	.69	1.66	77869.20	30024.97
171586.000	9324.00	.00	.00	-20.95	35000.00	8.43	.00	8.44	.68	1.73	101284.20	42300.20
171586.000	9324.00	.00	.00	-20.95	49000.00	9.44	.00	9.45	.69	1.81	129036.00	59105.74
171586.000	9324.00	.00	.00	-20.95	132000.00	13.83	.00	13.84	.66	2.12	253129.10	162057.90
181325.000	9739.00	.00	.00	-18.56	25000.00	8.21	.00	8.23	.66	1.73	74891.32	30687.28
181325.000	9739.00	.00	.00	-18.56	35000.00	9.10	.00	9.11	.69	1.78	96891.30	42092.18
181325.000	9739.00	.00	.00	-18.56	49000.00	10.12	.00	10.13	.70	1.89	122781.50	58370.52
181325.000	9739.00	.00	.00	-18.56	132000.00	14.51	.00	14.52	.74	2.29	233379.00	153495.90
192720.000	11395.00	.00	.00	-26.99	25000.00	9.65	.00	9.79	3.78	2.96	8432.97	12865.38
192720.000	11395.00	.00	.00	-26.99	35000.00	10.69	.00	10.91	5.25	3.74	9363.98	15276.80
192720.000	11395.00	.00	.00	-26.99	49000.00	11.82	.00	12.17	7.34	4.72	10381.34	18088.14
192720.000	11395.00	.00	.00	-26.99	132000.00	16.20	.00	17.51	18.66	9.19	14355.88	30556.93
192721.000	1.00	20.01	50.21	-26.99	25000.00	9.63	.00	9.81	3.88	3.38	7402.52	12693.92
192721.000	1.00	20.01	50.21	-26.99	35000.00	10.66	.00	10.94	5.78	4.31	3125.26	14556.30
192721.000	1.00	20.01	50.21	-26.99	49000.00	11.76	.00	12.23	8.53	5.49	8928.08	16775.41
192721.000	1.00	20.01	50.21	-26.99	132000.00	15.93	.00	17.79	24.47	10.96	12044.57	26684.57
192809.000	88.00	20.00	50.20	-27.00	25000.00	9.67	.00	9.84	3.83	3.36	7433.47	12776.50
192809.000	88.00	20.00	50.20	-27.00	35000.00	10.71	.00	10.99	5.69	4.29	8167.57	14676.47
192809.000	88.00	20.00	50.20	-27.00	49000.00	11.84	.00	12.31	8.34	5.45	8991.32	16965.33
192809.000	88.00	20.00	50.20	-27.00	132000.00	15.23	.00	18.02	22.98	10.75	12283.87	27535.87

SECCO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	V.H	AREA	.01K
192810.000	1.00	.00	.00	-26.56	25000.00	9.70	.00	9.85	4.32	3.09	8093.80	12026.61
192810.000	1.00	.00	.00	-26.56	35000.00	10.78	.00	11.01	5.85	3.86	9058.50	14468.23
192810.000	1.00	.00	.00	-26.56	49000.00	11.97	.00	12.34	7.95	4.84	10130.17	17377.39
192810.000	1.00	.00	.00	-26.56	132000.00	16.92	.00	18.18	17.56	9.03	14619.96	31499.47
192831.000	21.00	.00	.00	-17.49	25000.00	9.71	.00	9.86	2.85	3.11	8026.77	14804.20
192831.000	21.00	.00	.00	-17.49	35000.00	10.78	.00	11.03	4.11	3.98	8801.37	17261.11
192831.000	21.00	.00	.00	-17.49	49000.00	11.97	.00	12.37	5.94	5.08	9646.81	20112.20
192831.000	21.00	.00	.00	-17.49	132000.00	16.80	.00	18.37	15.47	10.06	13117.11	32565.09
192832.000	1.00	20.03	21.91	-17.05	25000.00	9.66	.00	9.91	4.18	3.96	6314.48	12222.04
192832.000	1.00	20.03	21.91	-17.05	35000.00	10.71	.00	11.10	5.85	5.01	6986.83	14467.15
192832.000	1.00	20.03	21.91	-17.05	49000.00	11.86	.00	12.48	8.22	6.34	7722.93	17095.73
192832.000	1.00	20.03	21.91	-17.05	132000.00	16.39	.00	18.78	20.51	12.41	10637.64	29149.01
192868.000	36.00	20.02	21.90	-17.06	25000.00	9.68	.00	9.92	4.15	3.95	6329.25	12269.69
192868.000	36.00	20.02	21.90	-17.06	35000.00	10.73	.00	11.12	5.80	5.00	7004.99	14529.84
192868.000	36.00	20.02	21.90	-17.06	49000.00	11.89	.00	12.51	8.13	6.33	7745.92	17180.60
192868.000	36.00	20.02	21.90	-17.06	132000.00	16.51	.00	18.87	19.98	12.31	10721.03	29533.54
192869.000	1.00	.00	.00	-17.06	25000.00	9.79	.00	9.95	3.18	3.22	7771.16	14026.84
192869.000	1.00	.00	.00	-17.06	35000.00	10.90	.00	11.16	4.49	4.08	8572.31	16518.92
192869.000	1.00	.00	.00	-17.06	49000.00	12.16	.00	12.57	6.30	5.17	9475.58	19520.74
192869.000	1.00	.00	.00	-17.06	132000.00	17.61	.00	19.12	14.43	9.86	13393.23	34750.96
220428.000	27559.00	.00	.00	-24.56	25000.00	11.42	.00	11.43	.21	1.22	89649.97	55214.12
220428.000	27559.00	.00	.00	-24.56	35000.00	12.85	.00	12.86	.22	1.32	114114.80	74691.02
220428.000	27559.00	.00	.00	-24.56	49000.00	14.50	.00	14.51	.23	1.44	143793.90	101147.20
220428.000	27559.00	.00	.00	-24.56	132000.00	21.75	.00	21.76	.26	1.80	275621.30	261104.40
232663.000	12235.00	.00	.00	-17.80	25000.00	11.73	.00	11.74	.32	1.12	92193.15	44224.09
232663.000	12235.00	.00	.00	-17.80	35000.00	13.16	.00	13.17	.29	1.13	124993.40	64987.50
232663.000	12235.00	.00	.00	-17.80	49000.00	14.82	.00	14.82	.27	1.14	164257.40	94906.03
232663.000	12235.00	.00	.00	-17.80	132000.00	22.05	.00	22.05	.22	1.25	336550.30	284012.60
241047.000	8384.00	.00	.00	-17.35	25000.00	12.07	.00	12.08	.53	1.26	76112.28	34282.04
241047.000	8384.00	.00	.00	-17.35	35000.00	13.43	.00	13.49	.52	1.30	99426.32	48706.51
241047.000	8384.00	.00	.00	-17.35	49000.00	15.11	.00	15.11	.48	1.33	136029.20	70943.11
241047.000	8384.00	.00	.00	-17.35	132000.00	22.27	.00	22.28	.34	1.42	303839.00	225319.20

Roanoke River

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCK
151325.000	25000.00	6.28	.00	.00	-3.72	32315.69	.00
151325.000	35000.00	7.18	.90	.00	-2.82	32334.32	.00
151325.000	49000.00	8.18	1.01	.00	-1.82	32355.04	.00
151325.000	132000.00	12.61	4.42	.00	2.61	32445.48	.00
162262.000	25000.00	6.91	.00	.63	.00	28572.17	10937.00
162262.000	35000.00	7.80	.89	.62	.00	28662.62	10937.00
162262.000	49000.00	8.81	1.01	.63	.00	28765.80	10937.00
162262.000	132000.00	13.22	4.41	.61	.00	28940.50	10937.00
171586.000	25000.00	7.55	.00	.64	.00	26477.80	9324.00
171586.000	35000.00	8.43	.87	.63	.00	27059.20	9324.00
171586.000	49000.00	9.44	1.01	.63	.00	27732.51	9324.00
171586.000	132000.00	13.83	4.39	.61	.00	28417.83	9324.00
181325.000	25000.00	8.21	.00	.66	.00	25093.16	9739.00
181325.000	35000.00	9.10	.88	.67	.00	25145.50	9739.00
181325.000	49000.00	10.12	1.02	.68	.00	25160.21	9739.00
181325.000	132000.00	14.51	4.39	.68	.00	25225.45	9739.00
192720.000	25000.00	9.65	.00	1.44	.00	897.72	11395.00
192720.000	35000.00	10.69	1.04	1.59	.00	898.07	11395.00
192720.000	49000.00	11.82	1.13	1.71	.00	898.45	11395.00
192720.000	132000.00	16.20	4.38	1.69	.00	915.09	11395.00
192721.000	25000.00	9.63	.00	-.02	.00	727.18	1.00
192721.000	35000.00	10.66	1.02	-.04	.00	746.93	1.00
192721.000	49000.00	11.76	1.11	-.06	.00	767.05	1.00
192721.000	132000.00	15.93	4.17	-.27	.00	801.64	1.00
192809.000	25000.00	9.67	.00	.04	.00	727.38	88.00
192809.000	35000.00	10.71	1.04	.05	.00	747.20	88.00
192809.000	49000.00	11.84	1.13	.08	.00	767.45	88.00
192809.000	132000.00	16.23	4.38	.30	.00	802.98	88.00
192810.000	25000.00	9.70	.00	.04	.00	897.59	1.00
192810.000	35000.00	10.78	1.07	.07	.00	897.96	1.00
192810.000	49000.00	11.97	1.19	.13	.00	898.36	1.00
192810.000	132000.00	16.92	4.94	.69	.00	915.09	1.00
192831.000	25000.00	9.71	.00	.01	.00	718.50	21.00
192831.000	35000.00	10.78	1.07	.00	.00	718.50	21.00
192831.000	49000.00	11.97	1.19	.00	.00	718.50	21.00
192831.000	132000.00	16.80	4.83	-.12	.00	718.50	21.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
192832.000	25000.00	9.66	.00	-.05	.00	718.50	1.00
192832.000	35000.00	10.71	1.05	-.07	.00	718.50	1.00
192832.000	49000.00	11.86	1.15	-.11	.00	718.50	1.00
192832.000	132000.00	16.39	4.53	-.41	.00	718.50	1.00
192868.000	25000.00	9.68	.00	.02	.00	718.50	36.00
192868.000	35000.00	10.73	1.05	.02	.00	718.50	36.00
192868.000	49000.00	11.89	1.16	.03	.00	718.50	36.00
192868.000	132000.00	16.51	4.62	.12	.00	718.50	36.00
192869.000	25000.00	9.79	.00	.11	.00	718.50	1.00
192869.000	35000.00	10.90	1.11	.17	.00	718.50	1.00
192869.000	49000.00	12.16	1.26	.27	.00	718.50	1.00
192869.000	132000.00	17.61	5.45	1.10	.00	718.50	1.00
220428.000	25000.00	11.42	.00	1.63	.00	17088.43	27559.00
220428.000	35000.00	12.85	1.43	1.95	.00	17149.58	27559.00
220428.000	49000.00	14.50	1.65	2.34	.00	18114.32	27559.00
220428.000	132000.00	21.75	7.25	4.14	.00	18246.90	27559.00
232663.000	25000.00	11.73	.00	.31	.00	22169.51	12235.00
232663.000	35000.00	13.16	1.43	.31	.00	23728.61	12235.00
232663.000	49000.00	14.82	1.65	.31	.00	23756.37	12235.00
232663.000	132000.00	22.05	7.23	.29	.00	23876.58	12235.00
241047.000	25000.00	12.07	.00	.34	.00	14737.24	8384.00
241047.000	35000.00	13.48	1.41	.32	.00	21904.81	8384.00
241047.000	49000.00	15.11	1.63	.29	.00	22889.59	8384.00
241047.000	132000.00	22.27	7.16	.22	.00	23848.37	8384.00

THIS RUN EXECUTED 01-06-89 12:56:43

 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 Martin Co. NC F1
 T2 Filename:RR.HEC Eng:EKL ET:CJB Comm. No. 23530
 T3 Roanoke River Date: 01/06/88 100-Year Event

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	.000050	.00	.0	0.	10.000	.000
J2	NPROF	IPL0T	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

NC	.110	.110	.040	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16882.500	.040	17126.500	.110	46586.500	.000	.000	.000
QT	5.000	25000.000	35000.000	49000.000	132000.000	49000.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	7.110	16882.000	34499.000	.000	.000

=====
 ===== HEC-2 Input file created with CodeH2 =====
 ===== Version: 3.51 =====
 ===== CodeH2 Copyrighted 1986, 1987, 1988 =====
 ===== Run Date: Friday January 6, 1989 =====
 ===== Run Time: 12:56:33 =====
 =====

Cross Section A

X1	151325.000	30.000	16882.500	17126.500	151325.000	151325.000	151325.000	.000	.000	.000
GR	24.000	16315.500	22.400	16565.500	22.000	16662.500	20.000	16740.500	18.000	16815.500
GR	16.000	16832.500	14.000	16844.500	12.000	16853.500	10.000	16863.500	8.000	16869.500
GR	6.000	16877.500	4.000	16882.500	2.990	16887.500	-9.850	16932.500	-15.450	16977.500
GR	-27.450	17022.500	-37.460	17067.500	2.990	17112.500	4.000	17126.500	4.300	17180.500
GR	4.000	17234.500	2.200	17684.500	5.000	42020.500	5.000	4270.500	5.000	46170.500
GR	10.000	46254.500	15.000	46334.500	20.000	46398.500	25.000	46442.500	30.000	46586.500

NH	3.000	.110	16847.000	.040	17158.000	.110	44298.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	10.410	.000	.000	.000	.000

Cross Section B

X1	162262.000	39.000	16847.000	17158.000	10937.000	10937.000	10937.000	.000	.000	.000
GR	25.000	15150.000	24.000	15160.000	22.000	15170.000	20.000	15180.000	18.000	15188.000
GR	16.000	15202.000	14.000	15206.000	12.000	15217.000	10.000	15229.000	8.000	15244.000
GR	6.000	15259.000	4.700	15423.000	4.000	15551.000	3.400	15586.000	3.400	16126.000
GR	3.400	16806.000	4.000	16827.000	5.000	16847.000	4.000	16867.000	3.580	16894.990
GR	3.600	16895.000	-9.260	16937.000	-14.860	16979.000	-26.860	17021.000	-36.870	17063.000
GR	3.580	17105.000	3.900	17158.000	3.300	17928.000	5.000	34988.000	5.000	37458.000
GR	10.000	37694.000	5.000	37894.000	5.000	40314.000	5.000	44080.000	10.000	44116.000
GR	15.000	44170.000	20.000	44216.000	25.000	44256.000	30.000	44298.000	.000	.000
NH	3.000	.110	16893.000	.040	17285.000	.110	39395.000	.000	.000	.000

Cross Section C

X1	171586.000	32.000	16893.000	17285.000	9324.000	9324.000	9324.000	.000	.000	.000
GR	27.500	9923.000	25.000	10203.000	20.000	10503.000	5.000	10603.000	4.100	16603.000
GR	4.100	16893.000	-17.750	16935.800	-20.950	16978.600	-20.350	17021.400	-19.350	17064.200
GR	4.100	17107.000	6.000	17140.000	7.000	17285.000	6.000	17433.000	5.800	17595.000
GR	4.000	19235.000	3.700	19435.000	3.700	21105.000	5.000	26165.000	5.000	28235.000
GR	10.000	29895.000	11.000	30001.000	10.000	30107.000	5.000	31667.000	5.000	33757.000
GR	5.000	36797.000	5.000	38817.000	10.000	38887.000	15.000	38985.000	20.000	39085.000
GR	25.000	39305.000	30.000	39395.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000

Cross Section D

X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1758.000	5.000	1858.000	4.200	15550.000
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192720.000	113.000	16391.950	17307.040	11395.000	11395.000	11395.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	6.010	16391.970	6.010	16392.000	6.010	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010

GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	-24.320	16954.510	-23.590	16960.000	-23.580	16960.010	-23.050	16964.000
GR	-23.050	16964.010	-22.320	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	-3.630	17104.510	-1.980	17107.000	-1.550	17110.000	-1.550	17110.010	-.980	17114.000
GR	-.970	17114.010	-.190	17119.500	-.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	9.020	17230.000	9.020	17230.010	9.030	17234.000	9.030	17234.010
GR	9.040	17242.000	9.190	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000
X1	192721.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.030	20.010	14510.000	20.020	20.000	14528.000	20.010	10.010
BT	.000	14544.000	20.020	5.110	15322.000	20.580	5.910	15900.000	21.000	5.990
BT	.000	16042.000	27.430	6.010	16341.990	41.000	6.010	16342.000	41.000	6.010
BT	.000	16378.480	42.640	6.010	16391.950	43.230	6.010	16391.960	43.230	6.010
BT	.000	16391.970	43.230	36.740	16392.000	43.230	36.740	16442.000	45.600	39.110
BT	.000	16462.000	46.160	39.670	16465.000	46.240	39.750	16465.010	46.240	6.010
BT	.000	16469.000	46.360	6.010	16469.010	46.360	39.870	16492.000	47.000	40.510
BT	.000	16540.000	48.630	42.140	16540.010	48.630	6.010	16542.000	48.700	6.010
BT	.000	16544.000	48.770	6.010	16544.010	48.770	42.280	16592.000	50.400	43.910
BT	.000	16615.000	50.680	44.190	16615.010	50.680	6.010	16619.000	50.720	6.010
BT	.000	16619.010	50.720	44.230	16642.000	51.000	44.510	16690.000	53.400	46.910
BT	.000	16690.010	53.400	6.490	16692.000	53.500	6.510	16694.000	53.540	6.530
BT	.000	16694.010	53.540	47.050	16742.000	54.400	47.910	16765.000	54.450	47.950
BT	.000	16705.010	54.450	7.230	16768.990	54.450	7.270	16769.010	54.450	47.960
BT	.000	16792.000	54.500	48.010	16840.000	54.980	48.490	16840.010	54.980	7.950
BT	.000	16842.000	55.000	7.970	16844.000	55.000	7.990	16844.010	55.000	48.510
BT	.000	16846.000	55.000	48.510	16851.000	55.000	48.510	16855.000	55.000	48.510
BT	.000	16862.000	55.000	48.510	16892.000	55.000	48.510	16922.000	55.420	48.930
BT	.000	16942.000	55.700	49.210	16954.500	55.880	49.390	16954.510	55.880	49.390
BT	.000	16960.000	55.950	49.460	16960.010	55.950	11.220	16964.000	56.010	11.220
BT	.000	16964.010	56.010	49.520	16969.500	56.090	49.600	16969.510	56.090	49.500
BT	.000	16972.000	56.120	49.630	16982.000	56.260	49.770	16987.000	56.330	49.840
BT	.000	16992.000	56.400	49.910	16994.900	56.420	49.930	16995.000	56.420	49.930
BT	.000	17032.000	56.640	50.150	17041.990	56.700	50.210	17042.000	56.700	50.210
BT	.000	17053.000	56.630	50.140	17072.000	56.520	50.030	17078.900	56.480	49.990
BT	.000	17079.000	56.480	49.990	17087.000	56.430	49.940	17091.990	56.400	49.910
BT	.000	17092.000	56.400	49.910	17104.500	56.400	49.910	17104.510	56.400	49.910
BT	.000	17107.000	56.400	49.910	17110.000	56.400	49.910	17110.010	56.400	10.520
BT	.000	17114.000	56.400	10.520	17114.010	56.400	49.910	17119.500	56.400	49.910
BT	.000	17119.510	56.400	49.910	17122.000	56.400	49.910	17128.000	56.400	49.910
BT	.000	17133.000	56.400	49.910	17142.000	56.400	49.910	17154.000	56.400	49.910
BT	.000	17192.000	56.400	49.910	17226.990	55.700	49.210	17227.000	55.700	49.210
BT	.000	17230.000	55.640	49.150	17230.010	55.640	10.490	17234.000	55.560	12.460
BT	.000	17234.010	55.560	49.070	17242.000	55.400	48.910	17307.020	54.970	48.480
BT	.000	17307.030	54.970	28.830	17307.040	54.970	9.190	17316.820	54.800	9.210

CT	.000	17342.000	54.000	9.270	17404.000	53.110	9.410	17421.000	52.860	10.010
BT	.009	17459.000	52.320	20.010	17484.000	51.960	21.010	17549.000	51.020	21.910
BT	.000	17620.000	50.000	21.830	18400.000	21.030	21.010	.000	.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	6.010	16391.950	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16462.000	6.010	16465.000	6.310	16465.010	6.010	16469.000	14.790	16442.000
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16469.010
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16544.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16619.000
GR	6.530	16694.000	6.530	16694.000	7.010	16742.000	7.230	16765.000	7.230	16692.000
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16765.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16840.010
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16851.000
GR	-24.320	16954.500	11.220	16954.510	11.220	16960.000	11.220	16960.010	11.220	16942.000
GR	11.220	16964.010	11.220	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16964.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	10.520	17104.510	10.520	17107.000	10.520	17110.000	10.520	17110.010	10.520	17114.000
GR	10.520	17114.010	10.520	17119.500	-1.190	17119.510	-1.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	10.490	17230.000	10.490	17230.010	12.460	17234.000	12.470	17234.010
GR	16.410	17422.000	48.480	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000

NEW US 13/17

X1	192809.000	113.000	16391.950	17307.040	88.000	88.000	88.000	.000	.000	.000
X3	10.000	14509.990	20.010	20.000	14510.000	20.000	19.990	14528.000	20.010	10.000
BT	-113.000	14544.000	20.020	5.100	15322.000	20.580	5.900	15900.000	21.000	5.980
BT	.000	16042.000	27.430	6.000	16341.990	41.000	6.000	16342.000	41.000	6.000
BT	.000	16378.480	42.640	6.000	16391.950	43.230	6.000	16391.960	43.230	6.000
BT	.000	16391.970	43.230	36.730	16392.000	43.230	36.730	16442.000	45.600	39.100
BT	.000	16462.000	46.160	39.660	16465.000	46.240	39.740	16465.010	46.240	6.000
BT	.000	16469.000	46.360	6.000	16469.010	46.360	39.860	16492.000	47.000	40.500
BT	.000	16540.000	48.630	42.130	16540.010	48.630	6.000	16542.000	48.700	6.000
BT	.000	16544.000	48.770	6.000	16544.010	48.770	42.270	16592.000	50.400	43.900
BT	.000	16615.000	50.680	44.180	16615.010	50.680	6.000	16619.000	50.720	6.000
BT	.000	16690.010	53.400	44.220	16692.000	51.000	44.500	16690.000	53.400	46.900
BT	.000	16694.010	53.540	6.480	16692.000	53.500	6.500	16694.000	53.540	6.520
BT	.000	16765.010	54.450	47.040	16742.000	54.400	47.900	16765.000	54.450	47.950
BT	.000	16792.000	54.500	7.220	16768.990	54.650	7.260	16769.010	54.450	47.950
BT	.000	16842.000	55.000	48.000	16844.000	54.980	48.480	16844.010	54.980	7.940
BT	.000	16846.000	55.000	7.960	16844.000	55.000	7.980	16844.010	55.000	48.500
BT	.000	16862.000	55.000	48.500	16851.000	55.000	48.500	16855.000	55.000	48.500
BT	.000	16942.000	55.700	48.500	16892.000	55.000	48.500	16922.000	55.420	48.920
BT	.000	16960.000	55.950	49.200	16954.500	55.880	49.380	16954.510	55.880	49.380
BT	.000	16964.010	56.010	49.450	16960.010	55.950	11.210	16964.000	56.010	11.210
BT	.000	16964.010	56.010	49.510	16969.500	56.090	49.590	16969.510	56.090	49.590

BT	.000	16972.000	56.120	49.620	16982.000	56.260	49.760	16987.000	56.330	49.830
BT	.000	16992.000	56.400	49.900	16994.900	56.420	49.920	16995.000	56.420	49.920
BT	.000	17032.000	56.640	50.140	17041.990	56.700	50.200	17042.000	56.700	50.200
BT	.000	17053.000	56.630	50.130	17072.000	56.520	50.020	17078.900	56.480	49.980
BT	.000	17079.000	56.480	49.980	17087.000	56.430	49.930	17091.990	56.400	49.900
BT	.000	17092.000	56.400	49.900	17104.500	56.400	49.900	17104.510	56.400	49.900
BT	.000	17107.000	56.400	49.900	17110.000	56.400	49.900	17110.010	56.400	49.900
BT	.000	17114.000	56.400	10.510	17114.010	56.400	49.900	17119.500	56.400	49.900
BT	.000	17119.510	56.400	49.900	17122.000	56.400	49.900	17128.000	56.400	49.900
BT	.000	17133.000	56.400	49.900	17142.000	56.400	49.900	17154.000	56.400	49.900
BT	.000	17192.000	56.400	49.900	17226.990	55.700	49.200	17227.000	55.700	49.200
BT	.000	17230.000	55.640	49.140	17230.010	55.640	10.480	17234.000	55.560	12.450
BT	.000	17234.010	55.560	49.060	17242.000	55.400	48.900	17307.020	54.970	48.470
BT	.000	17307.030	54.970	28.820	17307.040	54.970	9.400	17316.820	54.800	9.200
BT	.000	17342.000	54.000	9.260	17404.000	53.110	9.400	17421.000	52.860	10.000
BT	.000	17459.000	52.320	20.000	17484.000	51.960	21.000	17549.000	51.020	21.900
BT	.000	17620.000	50.000	21.820	18400.000	21.020	21.000	.000	.000	.000
GR	20.000	14509.990	19.990	14510.000	10.000	14528.000	5.100	14544.000	5.900	15322.000
GR	5.980	15900.000	6.000	16042.000	6.000	16341.990	6.000	16342.000	6.000	16378.480
GR	6.000	16391.950	6.000	16391.960	36.730	16391.970	36.720	16392.000	14.780	16442.000
GR	6.000	16462.000	6.000	16465.000	6.000	16465.010	6.000	16469.000	6.000	16469.010
GR	6.000	16492.000	6.000	16540.000	6.000	16540.010	6.000	16542.000	6.000	16544.000
GR	6.000	16544.010	6.000	16592.000	6.000	16615.000	6.000	16615.010	6.000	16619.000
GR	6.000	16619.010	6.000	16642.000	6.480	16690.000	6.480	16690.010	6.500	16692.000
GR	6.520	16694.000	6.520	16694.010	7.000	16742.000	7.220	16742.000	7.220	16742.000
GR	7.260	16768.990	7.260	16769.010	7.480	16792.000	7.940	16840.000	7.940	16840.010
GR	7.960	16842.000	7.960	16844.000	7.980	16844.010	8.000	16846.000	7.000	16851.000
GR	2.640	16855.000	-5.000	16862.000	-20.000	16892.000	-27.000	16922.000	-26.000	16942.000
GR	-24.330	16954.500	11.210	16954.510	11.210	16960.000	11.210	16960.010	11.210	16964.000
GR	11.210	16964.010	11.210	16965.990	-22.330	16969.510	-22.000	16972.000	-22.000	16982.000
GR	14.000	16987.000	14.000	16992.000	14.000	16994.900	-21.000	16995.000	-20.000	17032.000
GR	-19.000	17041.990	-18.990	17042.000	-18.000	17053.000	-17.000	17072.000	-15.000	17078.900
GR	14.000	17079.000	14.000	17087.000	-11.940	17091.990	-12.000	17092.000	-3.650	17104.500
GR	10.510	17104.510	10.510	17107.000	10.510	17110.000	10.510	17110.010	10.510	17114.000
GR	10.510	17114.010	10.510	17119.500	-2.200	17119.510	.140	17122.000	1.000	17128.000
GR	4.000	17133.000	7.000	17142.000	9.000	17154.000	9.000	17192.000	9.000	17226.990
GR	9.000	17227.000	10.480	17230.000	10.480	17230.010	12.450	17234.000	12.460	17234.010
GR	16.400	17242.000	48.470	17307.020	9.180	17307.030	9.180	17307.040	9.200	17316.820
GR	9.260	17342.000	9.400	17404.000	10.000	17421.000	20.000	17459.000	21.000	17484.000
GR	21.900	17549.000	21.820	17620.000	21.000	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192810.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	.000	.000
GR	20.440	14509.990	20.430	14510.000	10.440	14528.000	5.540	14544.000	6.340	15322.000
GR	6.420	15900.000	6.440	16042.000	6.440	16341.990	6.440	16342.000	6.440	16378.480
GR	6.440	16391.950	6.440	16391.960	6.440	16391.970	6.440	16392.000	6.440	16442.000
GR	6.440	16462.000	6.440	16465.000	6.440	16465.010	6.440	16469.000	6.440	16469.010
GR	6.440	16492.000	6.440	16540.000	6.440	16540.010	6.440	16542.000	6.440	16544.000
GR	6.440	16544.010	6.440	16592.000	6.440	16615.000	6.440	16615.010	6.440	16619.000
GR	6.440	16619.010	6.440	16642.000	6.920	16690.000	6.920	16690.010	6.940	16692.000
GR	6.960	16694.000	6.960	16694.010	7.440	16742.000	7.660	16765.000	7.660	16765.010
GR	7.700	16768.990	7.700	16769.010	7.920	16792.000	8.380	16840.000	8.380	16840.010
GR	8.400	16842.000	8.420	16844.000	8.420	16844.010	8.440	16846.000	7.440	16851.000

GR	3.080	16855.000	-4.560	16862.000	-19.560	16892.000	-26.560	16922.000	-25.560	16942.000
GR	-23.890	16954.500	-23.890	16954.510	-23.160	16960.000	-23.140	16960.010	-22.620	16964.000
GR	-22.620	16964.010	-21.890	16969.500	-21.890	16969.510	-21.560	16972.000	-21.560	16982.000
GR	14.440	16987.000	14.440	16992.000	14.440	16994.900	-20.560	16995.000	-19.560	17032.000
GR	-18.560	17041.990	-18.550	17042.000	-17.560	17053.000	-16.560	17072.000	-14.560	17078.900
GR	14.440	17079.000	14.440	17087.000	-11.500	17091.990	-11.560	17092.000	-3.210	17104.500
GR	-3.200	17104.510	-1.550	17107.000	-1.120	17110.000	-1.120	17110.010	-.550	17114.000
GR	-.540	17114.010	.230	17119.500	.230	17119.510	.580	17122.000	1.440	17128.000
GR	4.440	17133.000	7.440	17142.000	9.440	17154.000	9.440	17192.000	9.440	17226.990
GR	9.440	17227.000	9.450	17230.000	9.450	17230.010	9.460	17234.000	9.460	17234.010
GR	9.470	17242.000	9.620	17307.020	9.620	17307.030	9.620	17307.040	9.640	17316.820
GR	9.700	17342.000	9.840	17404.000	10.440	17421.000	20.440	17459.000	21.440	17484.000
GR	22.340	17549.000	22.260	17620.000	21.440	18400.000	.000	.000	.000	.000

NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000
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Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27618.000	27618.000	27618.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17539.500	5.800	17551.500
GR	5.500	17911.500	5.500	23521.500	5.500	24631.500	6.560	25011.500	9.840	25331.500
GR	11.490	25541.500	9.840	25751.500	6.560	26827.500	6.560	31093.500	6.560	32345.500
GR	13.120	32517.500	13.120	33445.500	19.690	33545.500	26.250	33615.500	32.810	33665.500
GR	39.370	33725.500	45.930	33765.500	52.490	33821.500	.000	.000	.000	.000

NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16865.500	.050	17191.500	.110	40739.500	.000	.000	.000

Cross Section F

X1	232663.000	43.000	16865.500	17191.500	12235.000	12235.000	12235.000	.000	.000	.000
GR	28.900	16346.500	28.000	16436.500	28.000	16606.500	28.000	16684.500	28.000	16736.500
GR	28.000	16751.500	26.000	16760.500	24.000	16767.500	22.000	16775.500	20.000	16787.500
GR	18.000	16800.500	16.000	16824.500	14.000	16847.500	12.000	16856.500	10.000	16865.500
GR	8.000	16871.500	7.150	16872.500	-13.900	16923.500	-17.800	16974.500	-12.290	17025.500
GR	-15.190	17076.500	7.150	17127.500	8.000	17136.500	10.000	17163.500	10.500	17191.500
GR	10.000	17333.500	8.000	17803.500	8.000	18133.500	6.000	19225.500	6.000	20435.500
GR	6.100	20715.500	6.560	30335.500	9.840	30825.500	11.480	31051.500	9.840	31281.500
GR	6.560	31693.500	6.560	32313.500	9.840	32523.500	9.840	36903.500	13.120	40579.500
GR	19.690	40637.500	26.250	40677.500	32.810	40739.500	.000	.000	.000	.000

NH	3.000	.120	16862.000	.050	17157.000	.120	41273.000	.000	.000	.000
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Cross Section G

THIS RUN EXECUTED 01-06-89 12:59:55

 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

Roanoke River

SUMMARY PRINTOUT TABLE 110

SECCO	CWSEL	DIFKWS	EG	TOPWID	QLOB	BCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
151325.000	8.48	-1.52	8.50	29360.88	5.08	12373.54	36621.38	.00	.00	16882.50	17126.50	.00
151325.000	9.48	1.00	10.25	803.72	.52	45204.63	3794.84	17617.00	16882.00	16882.50	17126.50	34499.00
162262.000	9.06	.00	9.08	28791.36	2661.33	11361.19	34977.48	.00	.00	16847.00	17158.00	.00
162262.000	11.31	2.25	11.32	18141.07	.00	10713.87	38286.13	.24	16847.00	16847.00	17158.00	36015.52
171586.000	9.61	.00	9.62	27848.60	10067.29	10138.60	28794.12	.00	.00	16893.00	17285.00	.00
171586.000	11.67	2.05	11.68	19359.26	6092.35	10249.05	32658.60	.24	14397.80	16893.00	17285.00	34713.45
181325.000	10.23	.00	10.25	25161.90	28476.96	10518.21	10004.83	.00	.00	16800.00	17173.00	.00
181325.000	12.09	1.85	12.10	16759.46	30566.71	10567.85	7865.44	.23	4995.42	16800.00	17173.00	21754.88
192720.000	11.84	.00	12.19	898.46	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192720.000	13.18	1.34	13.46	898.91	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192721.000	11.78	.00	12.25	767.15	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192721.000	13.13	1.35	13.51	773.41	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192809.000	11.86	.00	12.32	767.54	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192809.000	13.19	1.33	13.56	773.71	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192810.000	11.99	.00	12.35	898.36	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192810.000	13.30	1.31	13.59	898.80	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
220428.000	14.40	.00	14.41	18112.17	1801.63	13918.17	33280.20	.00	.00	16796.50	17209.50	.00
220428.000	15.48	1.08	15.49	13162.36	.00	14743.34	34256.66	.15	16796.50	16796.50	17209.50	29958.86
232663.000	14.72	.00	14.73	23754.44	7.30	7889.27	41103.42	.00	.00	16865.50	17191.50	.00
232663.000	15.79	1.07	15.80	14929.55	.00	8397.13	40602.87	.18	16865.50	16865.50	17191.50	31795.05
241047.000	15.02	.00	15.03	22876.48	1.19	6877.49	42121.32	.00	.00	16862.00	17157.00	.00
241047.000	16.09	1.07	16.10	12705.47	.00	7431.52	41568.48	.19	16862.00	16862.00	17157.00	29567.47

Handwritten notes:
 17100 B
 20 315
 \$ 12000
 " "
 " "
 (scribble)

FLOODWAY DATA, Roanoke River
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
151325.000	804.	9625.	5.1	9.5	8.5	1.0
162262.000	18141.	134779.	.4	11.3	9.1	2.2
171586.000	19359.	131238.	.4	11.7	9.6	2.1
181325.000	16759.	120833.	.4	12.1	10.2	1.9
192720.000	915.	11611.	4.2	13.1	11.8	1.3
192721.000	915.	9935.	4.9	13.2	11.8	1.4
192809.000	915.	9983.	4.9	13.2	11.9	1.3
192810.000	915.	11322.	4.3	13.3	12.0	1.3
220428.000	13162.	127046.	.4	15.5	14.4	1.1
232663.000	14930.	139052.	.4	15.8	14.7	1.1
241047.000	12705.	116040.	.4	16.1	15.0	1.1

THIS RUN EXECUTED 01-09-89 12:18:37

 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 VERSIO: AUGUST 1985

C
 T1 Hayes, Seay, Mattern & Mattern Martin Co. NC FI
 T2 Filename:RR.HEC Eng:EKL ET:CJB Comm. No. 23530
 T3 Roanoke River Date: 01/06/88 100-Year Event

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	.000050	.00	.0	0.	10.000	.000

J2	NPROF	IPL0T	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
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NC	.110	.110	.040	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	11882.500	.040	12126.500	.110	41586.500	.000	.000	.000
QT	5.000	25000.000	35000.000	49000.000	132000.000	49000.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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 ===== HEC-2 Input file created with CodeH2 =====
 ===== Version: 3.51 =====
 ===== CodeH2 Copyrighted 1986, 1987, 1988 =====
 ===== Run Date: Monday January 9, 1989 =====
 ===== Run Time: 12:18:28 =====
 =====

Cross Section A

X1	151325.000	30.000	11882.500	12126.500	151325.000	151325.000	151325.000	.000	.000	.000
GR	24.000	11315.500	22.400	11565.500	22.000	11662.500	20.000	11740.500	18.000	11815.500
GR	16.000	11832.500	14.000	11844.500	12.000	11853.500	10.000	11863.500	8.000	11869.500
GR	6.000	11877.500	4.000	11882.500	2.990	11887.500	-9.850	11932.500	-15.450	11977.500
GR	-27.450	12022.500	-37.460	12067.500	2.990	12112.500	4.000	12126.500	4.300	12180.500
GR	4.000	12234.500	2.200	12684.500	5.000	37020.500	5.000	37770.500	5.000	41170.500
GR	10.000	41254.500	15.000	41334.500	20.000	41398.500	25.000	41442.500	30.000	41586.500

NH 3.000 .110 11847.000 .040 12158.000 .110 39298.000 .000 .000 .000

FT Cross Section B

					<i>10.91</i>						
X1	162242.000	39.000	11847.000	12158.000	10937.000	10937.000	10937.000	.000	.000	.000	.000
GR	25.000	10150.000	24.000	10160.000	22.000	10170.000	20.000	10180.000	18.000	10188.000	18.000
GR	16.000	10202.000	14.000	10206.000	12.000	10217.000	10.000	10229.000	8.000	10244.000	8.000
GR	6.000	10259.000	4.700	10423.000	4.000	10551.000	3.400	10586.000	3.400	11106.000	3.400
GR	3.400	11806.000	4.000	11827.000	5.000	11847.000	4.000	11867.000	3.580	11894.990	3.580
GR	3.600	11895.000	-9.260	11937.000	-14.860	11979.000	-26.860	12021.000	-36.870	12063.000	-36.870
GR	3.580	12105.000	3.900	12158.000	3.300	12928.000	5.000	29988.000	5.000	32458.000	5.000
GR	10.000	32694.000	5.000	32894.000	5.000	35314.000	5.000	39080.000	10.000	39116.000	10.000
GR	15.000	39170.000	20.000	39216.000	25.000	39255.000	30.000	39278.000	.000	.000	.000
NH	3.000	.110	11893.000	.040	12285.000	.110	34395.000	.000	.000	.000	.000

E Cross Section C

					<i>7.11</i>	<i>7078</i>	<i>7115</i>				
X1	171586.000	32.000	11893.000	12285.000	9324.000	9324.000	9324.000	.000	.000	.000	.000
GR	27.500	4923.000	25.000	5203.000	20.000	5503.000	5.000	5603.000	4.100	11603.000	4.100
GR	4.100	11893.000	-17.750	11935.800	-20.950	11978.600	-20.350	12021.400	-19.350	12064.200	-19.350
GR	4.100	12107.000	6.000	12140.000	7.000	12285.000	6.000	12433.000	5.800	12595.000	5.800
GR	4.000	14235.000	3.700	14435.000	3.700	16105.000	5.000	21165.000	5.000	23235.000	5.000
GR	10.000	24895.000	11.000	25001.000	10.000	25107.000	5.000	26667.000	5.000	28757.000	5.000
GR	5.000	31797.000	5.000	33817.000	10.000	33887.000	15.000	33985.000	20.000	34085.000	20.000
GR	25.000	34305.000	30.000	34395.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000	.000

FT Cross Section D

					<i>10.91</i>						
X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1758.000	5.000	1858.000	4.200	15550.000	4.200
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000	8.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800	-16.350
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000	6.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000	6.500
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000	6.560
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000	.000
X1	192720.000	113.000	16391.950	17307.040	11395.000	11395.000	11395.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.300	.300
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000	5.910
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480	6.010
GR	6.010	16391.950	6.010	16391.960	6.010	16391.970	6.010	16392.000	6.010	16442.000	6.010
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010	6.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000	6.010
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16519.000	6.010
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000	6.510
GR	6.530	16694.000	6.530	16594.010	7.010	16742.000	7.230	16765.000	7.230	16765.010	7.230
GR	7.270	16768.590	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010	7.950

GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	-24.320	16954.510	-23.590	16960.000	-23.580	16960.010	-23.050	16964.000
GR	-23.050	16964.010	-22.320	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	-3.630	17104.510	-1.980	17107.000	-1.550	17110.000	-1.550	17110.010	-.980	17114.000
GR	-.970	17114.010	-.190	17119.500	-.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	9.020	17230.000	9.020	17230.010	9.030	17234.000	9.030	17234.010
GR	9.040	17242.000	9.190	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000
X1	192721.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.030	20.010	14510.000	20.020	20.000	14528.000	20.010	10.010
BT	.000	14544.000	20.020	5.110	15322.000	20.580	5.910	15900.000	21.000	5.990
BT	.000	16042.000	27.430	6.010	16341.990	41.000	6.010	16342.000	41.000	6.010
BT	.000	16378.480	42.640	6.010	16391.950	43.230	6.010	16391.960	43.230	6.010
BT	.000	16391.970	43.230	36.740	16392.000	43.230	36.740	16442.000	45.600	39.110
BT	.000	16462.000	46.160	39.670	16465.000	46.240	39.750	16465.010	46.240	6.010
BT	.000	16469.000	46.360	6.010	16469.010	46.360	39.870	16492.000	47.000	40.510
BT	.000	16540.000	48.630	42.140	16540.010	48.630	6.010	16542.000	48.700	6.010
BT	.000	16544.000	48.770	6.010	16544.010	48.770	42.280	16592.000	50.400	43.910
BT	.000	16615.000	50.680	44.190	16615.010	50.680	6.010	16619.000	50.720	6.010
BT	.000	16619.010	50.720	44.230	16642.000	51.000	44.510	16690.000	53.400	46.910
BT	.000	16690.010	53.400	6.490	16692.000	53.500	6.510	16694.000	53.540	6.530
BT	.000	16694.010	53.540	47.050	16742.000	54.400	47.910	16765.000	54.450	47.960
BT	.000	16765.010	54.450	7.230	16768.990	54.450	7.270	16769.010	54.450	47.960
BT	.000	16792.000	54.500	48.010	16840.000	54.980	48.490	16840.010	54.980	7.950
BT	.000	16842.000	55.000	7.970	16844.000	55.000	7.990	16844.010	55.000	48.510
BT	.000	16846.000	55.000	48.510	16851.000	55.000	48.510	16855.000	55.000	48.510
BT	.000	16862.000	55.000	48.510	16892.000	55.000	48.510	16922.000	55.420	48.930
BT	.000	16942.000	55.700	49.210	16954.500	55.880	49.390	16954.510	55.880	49.390
BT	.000	16950.000	55.950	49.460	16960.010	55.950	11.220	16964.000	56.010	11.220
BT	.000	16964.010	56.010	49.520	16969.500	56.090	49.600	16969.510	56.090	49.600
BT	.000	16972.000	56.120	49.630	16982.000	56.260	49.770	16987.000	56.330	49.840
BT	.000	16992.000	56.400	49.910	16994.900	56.420	49.930	16995.000	56.420	49.930
BT	.000	17032.000	56.640	50.150	17041.990	56.700	50.210	17042.000	56.700	50.210
BT	.000	17053.000	56.630	50.140	17072.000	56.520	50.030	17078.900	56.480	49.990
BT	.000	17079.000	56.480	49.990	17087.000	56.430	49.940	17091.990	56.400	49.910
BT	.000	17092.000	56.400	49.910	17104.500	56.400	49.910	17104.510	56.400	49.910
BT	.000	17107.000	56.400	49.910	17110.000	56.400	49.910	17110.010	56.400	10.520
BT	.000	17114.000	56.400	10.520	17114.010	56.400	49.910	17119.500	56.400	49.910
BT	.000	17119.510	56.400	49.910	17122.000	56.400	49.910	17128.000	56.400	49.910
BT	.000	17133.000	56.400	49.910	17142.000	56.400	49.910	17154.000	56.400	49.910
BT	.000	17192.000	56.400	49.910	17226.990	55.700	49.210	17227.000	55.700	49.210
BT	.000	17230.000	55.640	49.150	17230.010	55.640	10.490	17234.000	55.560	12.460
BT	.000	17234.010	55.560	49.070	17242.000	55.400	48.910	17307.020	54.970	48.480
BT	.000	17307.030	54.970	28.830	17307.040	54.970	9.190	17316.820	54.800	9.210
BT	.000	17342.000	54.000	9.270	17404.000	53.110	9.410	17421.000	52.860	10.010

BT	.000	17459.000	52.320	20.010	17484.000	51.960	21.010	17549.000	51.020	21.910
BT	.000	17620.000	50.000	21.830	18400.000	21.030	21.010	.000	.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
LR	6.010	16391.950	6.010	16391.960	36.740	16391.970	36.730	16392.000	14.790	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	11.220	16954.510	11.220	16960.000	11.220	16960.010	11.220	16964.000
GR	11.220	16964.010	11.220	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	10.520	17104.510	10.520	17107.000	10.520	17110.000	10.520	17110.010	10.520	17114.000
GR	10.520	17114.010	10.520	17119.500	.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	10.490	17230.000	10.490	17230.010	12.460	17234.000	12.470	17234.010
GR	16.410	17242.000	48.480	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000

New US 13/17

X1	192809.000	113.000	16391.950	17307.040	88.000	88.000	88.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.010	20.000	14510.000	20.000	19.990	14528.000	20.010	10.000
BT	.000	14544.000	20.020	5.100	15322.000	20.580	5.900	15900.000	21.000	5.980
BT	.000	16042.000	27.430	6.000	16341.990	41.000	6.000	16342.000	41.000	6.000
BT	.000	16378.480	42.640	6.000	16391.950	43.230	6.000	16391.960	43.230	6.000
BT	.000	16391.970	43.230	36.730	16392.000	43.230	36.730	16442.000	45.600	39.100
BT	.000	16462.000	46.160	39.660	16465.000	46.240	39.740	16465.010	46.240	6.000
BT	.000	16469.000	46.360	6.000	16469.010	46.360	39.860	16492.000	47.000	40.500
BT	.000	16540.000	48.630	42.130	16540.010	48.630	6.000	16542.000	48.700	6.000
BT	.000	16544.000	48.770	6.000	16544.010	48.770	42.270	16592.000	50.400	43.900
BT	.000	16615.000	50.680	44.180	16615.010	50.680	6.000	16619.000	50.720	6.000
BT	.000	16619.010	50.720	44.220	16642.000	51.000	44.500	16690.000	53.400	46.900
BT	.000	16690.010	53.400	6.480	16692.000	53.500	6.500	16694.000	53.540	6.520
BT	.000	16694.010	53.540	47.040	16742.000	54.400	47.900	16765.000	54.450	47.950
BT	.000	16765.010	54.450	7.220	16768.990	54.450	7.260	16769.010	54.450	47.950
BT	.000	16792.000	54.500	48.000	16840.000	54.980	48.480	16840.010	54.980	7.940
BT	.000	16842.000	55.000	7.960	16844.000	55.000	7.980	16844.010	55.000	48.500
BT	.000	16846.000	55.000	48.500	16851.000	55.000	48.500	16855.000	55.000	48.500
BT	.000	16862.000	55.000	48.500	16892.000	55.000	48.500	16922.000	55.420	48.920
BT	.000	16942.000	55.700	49.200	16954.500	55.880	49.380	16954.510	55.880	49.380
BT	.000	16960.000	55.950	49.450	16960.010	55.950	11.210	16964.000	56.010	11.210
BT	.000	16964.010	56.010	49.510	16969.500	56.090	49.590	16969.510	56.090	49.590
BT	.000	16972.000	56.120	49.620	16982.000	56.260	49.760	16987.000	56.330	49.830

BT	.000	16992.000	56.400	49.900	16994.900	56.427	49.920	16995.000	56.420	49.920
BT	.000	17032.000	56.640	50.140	17041.990	56.700	50.200	17042.000	56.700	50.200
BT	.000	17053.000	56.630	50.130	17072.000	56.520	50.020	17078.900	56.480	49.980
BT	.000	17079.000	56.480	49.980	17087.000	56.430	49.930	17091.990	56.400	49.900
BT	.000	17092.000	56.400	49.900	17104.500	56.400	49.900	17104.510	56.400	49.900
BT	.000	17107.000	56.400	49.900	17110.000	56.400	49.900	17110.010	56.400	10.510
BT	.000	17114.000	56.400	10.510	17114.010	56.400	49.900	17119.500	56.400	49.900
BT	.000	17119.510	56.400	49.900	17122.000	56.400	49.900	17128.000	56.400	49.900
BT	.000	17133.000	56.400	49.900	17142.000	56.400	49.900	17154.000	56.400	49.900
BT	.000	17192.000	56.400	49.900	17226.990	55.700	49.200	17227.000	55.700	49.200
BT	.000	17230.000	55.640	49.140	17230.010	55.640	10.480	17234.000	55.560	12.450
BT	.000	17234.010	55.560	49.060	17242.000	55.400	48.900	17307.020	54.970	48.470
BT	.000	17307.030	54.970	28.820	17307.040	54.970	9.180	17316.820	54.000	9.200
BT	.000	17342.000	54.000	9.260	17404.000	53.110	9.400	17421.000	52.860	10.000
BT	.000	17459.000	52.320	20.000	17484.000	51.960	21.000	17549.000	51.020	21.900
BT	.000	17620.000	50.000	21.820	18400.000	21.020	21.000	.000	.000	.000
GR	20.000	14509.990	19.990	14510.000	10.000	14528.000	5.100	14544.000	5.900	15322.000
GR	5.980	15900.000	6.000	16042.000	6.000	16341.990	6.000	16342.000	6.000	16378.480
GR	6.000	16391.950	6.000	16391.960	36.730	16391.970	36.720	16392.000	14.780	16442.000
CR	6.000	16462.000	6.000	16465.000	6.000	16465.010	6.000	16469.000	6.000	16469.010
GR	6.000	16492.000	6.000	16540.000	6.000	16540.010	6.000	16542.000	6.000	16544.000
GR	6.000	16544.010	6.000	16592.000	6.000	16615.000	6.000	16615.010	6.000	16619.000
GR	6.000	16619.010	6.000	16642.000	6.480	16690.000	6.480	16690.010	6.500	16692.000
GR	6.520	16694.000	6.520	16694.010	7.000	16742.000	7.220	16765.000	7.220	16765.010
GR	7.260	16768.990	7.260	16769.010	7.480	16792.000	7.940	16840.000	7.940	16840.010
GR	7.960	16842.000	7.980	16844.000	7.980	16844.010	8.000	16846.000	7.000	16851.000
GR	2.640	16855.000	-5.000	16862.000	-20.000	16892.000	-27.000	16922.000	-26.000	16942.000
GR	-24.330	16954.500	11.210	16954.510	11.210	16960.000	11.210	16960.010	11.210	16964.000
GR	11.210	16964.010	11.210	16969.500	-22.330	16969.510	-22.000	16972.000	-22.000	16982.000
GR	14.000	16987.000	14.000	16992.000	14.000	16994.900	-21.000	16995.000	-20.000	17032.000
GR	-19.000	17041.990	-18.990	17042.000	-18.000	17053.000	-17.000	17072.000	-15.000	17078.900
GR	14.000	17079.000	14.000	17087.000	-11.940	17091.990	-12.000	17092.000	-3.650	17104.500
GR	10.510	17104.510	10.510	17107.000	10.510	17110.000	10.510	17110.010	10.510	17114.000
GR	10.510	17114.010	10.510	17119.500	- .200	17119.510	.140	17122.000	1.000	17128.000
GR	4.000	17133.000	7.000	17142.000	9.000	17154.000	9.000	17192.000	9.000	17226.990
GR	9.000	17227.000	10.480	17230.000	10.480	17230.010	12.450	17234.000	12.460	17234.010
GR	16.400	17242.000	48.470	17307.020	9.180	17307.030	9.180	17307.040	9.200	17316.820
GR	9.260	17342.000	9.400	17404.000	10.000	17421.000	20.000	17459.000	21.000	17484.000
GR	21.900	17549.000	21.820	17620.000	21.000	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192810.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.440	14509.990	20.430	14510.000	10.440	14528.000	5.540	14544.000	6.340	15322.000
GR	6.420	15900.000	6.440	16042.000	6.440	16341.990	6.440	16342.000	6.440	16378.480
GR	6.440	16391.950	6.440	16391.960	6.440	16391.970	6.440	16392.000	6.440	16442.000
GR	6.440	16462.000	6.440	16465.000	6.440	16465.010	6.440	16469.000	6.440	16469.010
GR	6.440	16492.000	6.440	16540.000	6.440	16540.010	6.440	16542.000	6.440	16544.000
GR	6.440	16544.010	6.440	16592.000	6.440	16615.000	6.440	16615.010	6.440	16619.000
GR	6.440	16619.010	6.440	16642.000	6.920	16690.000	6.920	16690.010	6.940	16692.000
GR	6.960	16694.000	6.960	16694.010	7.440	16742.000	7.660	16765.000	7.660	16765.010
GR	7.700	16768.990	7.700	16769.010	7.920	16792.000	8.380	16840.000	8.380	16840.010
GR	8.400	16842.000	8.420	16844.000	8.420	16844.010	8.440	16846.000	7.440	16851.000
GR	3.080	16855.000	-4.560	16862.000	-19.560	16892.000	-26.560	16922.000	-25.560	16942.000

GR	-23.890	16954.500	-23.890	16954.510	-23.160	16960.000	-23.140	16960.010	-22.620	16964.000
GR	-22.620	16964.010	-21.890	16969.500	-21.890	16969.510	-21.560	16972.000	-21.560	16982.000
GR	14.440	16987.000	14.440	16992.000	14.440	16994.900	-20.560	16995.000	-19.560	17032.000
GR	-18.560	17041.990	-18.550	17042.000	-17.560	17053.000	-16.560	17072.000	-14.560	17078.900
GR	14.440	17079.000	14.440	17087.000	-11.500	17087.000	-11.560	17092.000	-3.210	17104.500
GR	-3.200	17104.510	-1.550	17107.000	-1.120	17110.000	-1.120	17110.010	.550	17114.000
GR	-.540	17114.010	.230	17119.500	.230	17119.510	.580	17122.000	1.440	17128.000
GR	4.440	17133.000	7.440	17142.000	9.440	17154.000	9.440	17192.000	9.440	17226.990
GR	9.440	17227.000	9.450	17230.000	9.450	17230.010	9.460	17234.000	9.460	17234.010
GR	9.470	17242.000	9.620	17307.020	9.620	17307.030	9.620	17307.040	9.640	17316.820
GR	9.700	17342.000	9.840	17404.000	10.440	17421.000	20.440	17459.000	21.440	17484.000
GR	22.340	17549.000	22.260	17620.000	21.440	18400.000	.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.040	17145.500	.110	17764.900	.000	.000	.000
X1	192831.000	281.000	16427.000	17145.500	21.000	21.000	21.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
GR	19.570	14279.000	19.570	14490.970	19.570	14490.980	19.570	14490.990	19.570	14491.000
GR	19.570	14491.010	19.570	14510.000	16.240	14516.000	9.570	14528.000	9.260	14529.000
GR	7.730	14534.000	7.730	14534.010	7.120	14536.000	7.120	14536.010	4.670	14544.000
GR	4.700	14578.000	4.700	14578.010	4.710	14580.000	4.710	14580.010	4.750	14622.000
GR	4.750	14622.010	4.750	14624.000	4.750	14624.010	4.800	14666.000	4.800	14666.010
GR	4.800	14668.000	4.800	14668.010	4.840	14710.000	4.840	14710.010	4.840	14712.000
GR	4.840	14712.010	4.890	14754.000	4.890	14754.010	4.890	14756.000	4.890	14756.010
GR	4.930	14798.000	4.930	14798.010	4.930	14800.000	4.930	14800.010	4.980	14842.000
GR	4.980	14842.010	4.980	14844.000	4.980	14844.010	5.020	14886.000	5.020	14886.010
GR	5.020	14888.000	5.020	14888.010	5.070	14930.000	5.070	14930.010	5.070	14932.000
GR	5.070	14932.010	5.110	14974.000	5.110	14974.010	5.110	14976.000	5.110	14976.010
GR	5.160	15018.000	5.160	15018.010	5.160	15020.000	5.160	15020.010	5.200	15062.000
GR	5.200	15062.010	5.200	15064.000	5.200	15064.010	5.250	15106.000	5.250	15106.010
GR	5.250	15103.000	5.250	15108.010	5.290	15150.000	5.290	15150.010	5.300	15152.000
GR	5.300	15152.010	5.340	15194.000	5.340	15194.010	5.340	15196.000	5.340	15196.010
GR	5.380	15238.000	5.380	15238.010	5.390	15240.000	5.390	15240.010	5.430	15282.000
GR	5.430	15282.010	5.430	15284.000	5.430	15284.010	5.470	15322.000	5.470	15326.000
GR	5.470	15326.010	5.470	15328.000	5.470	15328.010	5.480	15370.000	5.480	15370.010
GR	5.480	15372.000	5.480	15372.010	5.480	15414.000	5.480	15414.010	5.480	15416.000
GR	5.480	15416.010	5.490	15458.000	5.490	15458.010	5.490	15460.000	5.490	15460.010
GR	5.490	15502.000	5.500	15502.010	5.500	15504.000	5.500	15504.010	5.500	15546.000
GI	5.500	15546.010	5.500	15548.000	5.500	15548.010	5.510	15590.000	5.510	15590.010
GR	5.510	15592.000	5.510	15592.010	5.510	15634.000	5.510	15634.010	5.510	15636.000
GR	5.510	15636.010	5.520	15678.000	5.520	15678.010	5.520	15680.000	5.520	15680.010
GR	5.530	15722.000	5.530	15722.010	5.530	15724.000	5.530	15724.010	5.530	15766.000
GR	5.530	15766.010	5.530	15768.000	5.530	15768.010	5.540	15810.000	5.540	15810.010
GR	5.540	15812.000	5.540	15812.010	5.540	15854.000	5.540	15854.010	5.540	15856.000
GR	5.540	15856.010	5.550	15898.000	5.550	15898.010	5.550	15900.000	5.550	15900.010
GR	5.560	15942.000	5.560	15942.010	5.560	15944.000	5.560	15944.010	5.560	15986.000
GR	5.560	15986.010	5.560	15988.000	5.560	15988.010	5.570	16030.000	5.570	16030.010
GR	5.570	16032.000	5.570	16032.010	5.570	16042.000	5.610	16074.000	5.610	16074.010
GR	5.610	16076.000	5.610	16076.010	5.670	16118.000	5.670	16118.010	5.670	16120.000
GR	5.670	16120.010	5.730	16162.000	5.730	16162.010	5.730	16164.000	5.730	16164.010
GR	5.780	16206.000	5.780	16206.010	5.790	16208.000	5.790	16208.010	5.840	16250.000
GR	5.840	16250.010	5.840	16252.000	5.840	16252.010	5.900	16294.000	5.900	16294.010
GR	5.900	16296.000	5.900	16296.010	5.950	16338.000	5.950	16338.010	5.960	16340.000
GR	5.960	16340.010	6.010	16382.000	6.010	16382.010	6.010	16384.000	6.010	16384.010

GR	6.070	16426.000	6.070	16426.010	6.070	16427.000	6.070	16428.000	6.070	16428.010
GR	5.990	16470.000	5.990	16470.010	5.990	16472.000	5.990	16472.010	5.910	16514.000
GR	5.910	16514.010	5.900	16516.000	5.900	16516.010	5.820	16558.000	5.820	16558.010
GR	5.820	16560.000	5.820	16560.010	5.740	16602.000	5.740	16602.010	5.740	16604.000
GR	5.740	16604.010	5.660	16646.000	5.660	16646.010	5.660	16648.000	5.660	16648.010
GR	5.580	16690.000	5.580	16690.010	5.570	16692.000	5.570	16692.010	5.500	16734.000
GR	5.500	16734.010	5.490	16736.000	5.490	16736.010	5.410	16778.000	5.410	16778.010
GR	5.410	16780.000	5.410	16780.010	5.330	16822.000	5.330	16822.010	5.330	16824.000
GR	5.330	16824.010	5.270	16854.500	1.130	16866.000	1.120	16866.010	.410	16868.000
GR	.400	16868.010	-5.970	16885.750	-5.970	16885.760	-7.140	16889.000	-8.310	16892.250
GR	-8.310	16892.260	-15.680	16912.700	-16.580	16970.900	-16.720	16980.000	-16.720	16980.010
GR	-17.030	17000.000	-17.340	17020.000	-17.340	17020.010	-17.490	17029.100	-15.180	17087.300
GR	-7.990	17107.750	-7.980	17107.760	-6.840	17111.000	-5.700	17114.250	-5.700	17114.260
GR	.520	17132.000	.530	17132.010	1.230	17134.000	1.230	17134.010	5.270	17145.500
GR	7.570	17146.000	7.730	17176.000	7.730	17176.010	7.740	17178.000	7.740	17178.010
GR	7.970	17220.000	7.970	17220.010	7.980	17222.000	7.980	17222.010	8.210	17264.000
GR	8.210	17264.010	8.220	17266.000	8.220	17266.010	8.320	17284.000	8.450	17308.980
GR	8.450	17308.990	8.450	17309.000	8.450	17309.010	8.970	17404.000	9.570	17421.000
GR	19.570	17459.000	20.570	17484.000	20.790	17500.000	21.470	17549.000	20.390	17683.000
GR	19.570	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.035	17145.500	.110	17784.000	.000	.000	.000
X1	192832.000	281.000	16427.000	17145.500	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
BT	-281.000	14279.000	20.030	20.010	14490.970	21.400	20.010	14490.980	23.600	20.010
BT	.000	14490.990	23.600	20.010	14491.000	23.600	20.010	14491.010	23.600	18.910
BT	.000	14510.000	23.600	18.910	14516.000	23.600	18.910	14528.000	23.600	18.910
BT	.000	14529.000	23.600	18.910	14534.000	23.600	18.910	14534.010	23.600	8.170
BT	.000	14536.000	23.600	7.560	14536.010	23.600	18.910	14544.000	23.600	18.910
BT	.000	14578.000	23.600	18.910	14578.010	23.600	5.140	14580.000	23.600	5.150
BT	.000	14580.010	23.600	18.910	14622.000	23.600	18.910	14622.010	23.600	5.190
BT	.000	14624.000	23.600	5.190	14624.010	23.600	18.910	14666.000	23.610	18.920
BT	.000	14666.010	23.610	5.240	14668.000	23.610	5.240	14668.010	23.610	18.920
BT	.000	14710.000	23.610	18.920	14710.010	23.610	5.280	14712.000	23.610	5.280
BT	.000	14712.010	23.610	18.920	14754.000	23.610	18.920	14754.010	23.610	5.330
BT	.000	14756.000	23.610	5.330	14756.010	23.610	18.920	14798.000	23.610	18.920
BT	.000	14798.010	23.610	5.370	14800.000	23.610	5.370	14800.010	23.610	18.920
BT	.000	14842.000	23.620	18.930	14842.010	23.620	5.420	14844.000	23.620	5.420
BT	.000	14844.010	23.620	18.930	14886.000	23.620	18.930	14886.010	23.620	5.460
BT	.000	14886.000	23.620	5.460	14888.010	23.620	18.930	14930.000	23.620	18.930
BT	.000	14930.010	23.620	5.510	14932.000	23.620	5.510	14932.010	23.620	18.930
BT	.000	14974.000	23.620	18.930	14974.010	23.620	5.550	14976.000	23.620	5.550
BT	.000	14976.010	23.620	18.930	15018.000	23.620	18.930	15018.010	23.620	5.600
BT	.000	15020.000	23.620	5.600	15020.010	23.620	18.930	15062.000	23.630	18.940
BT	.000	15062.010	23.630	5.640	15064.000	23.630	5.640	15064.010	23.630	18.940
BT	.000	15106.000	23.630	18.940	15106.010	23.630	5.690	15108.000	23.630	5.690
BT	.000	15108.010	23.630	18.940	15150.000	23.630	18.940	15150.010	23.630	5.730
BT	.000	15152.000	23.630	5.740	15152.010	23.630	18.940	15194.000	23.630	18.940
BT	.000	15194.010	23.630	5.780	15196.000	23.630	5.780	15196.010	23.630	18.940
BT	.000	15238.000	23.640	18.950	15238.010	23.640	5.820	15240.000	23.640	5.830
BT	.000	15240.010	23.640	18.950	15282.000	23.640	18.950	15282.010	23.640	5.870
BT	.000	15284.000	23.640	5.870	15284.010	23.640	18.950	15322.000	23.640	18.950
BT	.000	15326.000	23.640	18.950	15326.010	23.640	5.910	15328.000	23.640	5.910
BT	.000	15328.010	23.640	18.950	15370.000	23.640	18.950	15370.010	23.640	5.920

BT	.000	15372.000	23.640	5.920	15372.010	23.640	18.950	15414.000	23.650	18.960
BT	.000	15414.010	23.650	5.920	15416.000	23.650	5.920	15416.010	23.650	18.960
BT	.000	15458.000	23.650	18.960	15458.010	23.650	5.930	15460.000	23.650	5.930
BT	.000	15460.010	23.650	18.960	15502.000	23.650	18.960	15502.010	23.650	18.960
BT	.000	15504.000	23.650	5.940	15504.010	23.650	18.960	15546.000	23.650	18.960
BT	.000	15546.010	23.650	5.940	15548.000	23.650	5.940	15548.010	23.650	18.960
BT	.000	15590.000	23.650	18.960	15590.010	23.650	5.950	15592.000	23.650	5.950
BT	.000	15592.010	23.650	18.960	15634.000	23.660	18.970	15634.010	23.660	18.970
BT	.000	15636.000	23.660	5.950	15636.010	23.660	18.970	15678.000	23.660	18.970
BT	.000	15678.010	23.660	5.960	15680.000	23.660	5.960	15680.010	23.660	18.970
BT	.000	15722.000	23.660	18.970	15722.010	23.660	5.970	15724.000	23.660	5.970
BT	.000	15724.010	23.660	18.970	15766.000	23.660	18.970	15766.010	23.660	18.980
BT	.000	15768.000	23.660	5.970	15768.010	23.660	18.970	15810.000	23.670	18.980
BT	.000	15810.010	23.670	5.980	15812.000	23.670	5.980	15812.010	23.670	18.980
BT	.000	15854.000	23.670	18.980	15854.010	23.670	5.980	15856.000	23.670	5.980
BT	.000	15856.010	23.670	18.980	15898.000	23.670	18.980	15898.010	23.670	5.990
BT	.000	15900.000	23.670	6.000	15900.010	23.670	6.000	15942.000	23.670	18.980
BT	.000	15942.010	23.670	6.000	15944.000	23.670	6.000	15944.010	23.670	18.980
BT	.000	15986.000	23.670	18.980	15986.010	23.670	6.000	15988.000	23.670	6.000
BT	.000	15988.010	23.670	18.980	16030.000	23.680	18.990	16030.010	23.680	18.990
BT	.000	16032.000	23.680	6.010	16032.010	23.680	18.990	16074.000	23.680	6.010
BT	.000	16074.010	23.680	18.990	16074.010	23.680	6.050	16076.000	23.680	6.050
BT	.000	16120.000	23.680	6.110	16120.010	23.680	18.990	16118.010	23.680	6.110
BT	.000	16162.010	23.680	6.170	16164.000	23.680	18.990	16162.000	23.680	18.990
BT	.000	16206.000	23.690	19.000	16206.010	23.690	6.220	16208.000	23.690	18.990
BT	.000	16208.010	23.690	19.000	16250.000	23.690	19.000	16250.010	23.690	6.230
BT	.000	16252.000	23.690	6.280	16252.010	23.690	19.000	16294.000	23.690	6.280
BT	.000	16294.010	23.690	6.340	16296.000	23.690	19.000	16296.010	23.690	19.000
BT	.000	16338.000	23.690	19.000	16338.010	23.690	6.390	16340.000	23.690	6.400
BT	.000	16340.010	23.690	19.000	16382.000	23.690	19.000	16382.010	23.690	6.450
BT	.000	16384.000	23.690	6.450	16384.010	23.690	19.000	16426.000	23.700	19.010
BT	.000	16426.010	23.700	6.510	16427.000	23.700	19.000	16428.000	23.700	6.510
BT	.000	16472.000	23.700	19.010	16472.010	23.700	19.010	16472.010	23.700	6.430
BT	.000	16514.010	23.700	6.350	16516.000	23.700	19.010	16514.000	23.700	19.010
BT	.000	16558.000	23.700	19.010	16558.010	23.700	6.260	16560.000	23.700	6.260
BT	.000	16602.000	23.700	19.010	16602.000	23.710	19.020	16602.010	23.710	6.180
BT	.000	16604.010	23.710	6.180	16604.010	23.710	19.020	16646.000	23.710	19.020
BT	.000	16646.010	23.710	6.100	16648.000	23.710	6.100	16648.010	23.710	19.020
BT	.000	16690.000	23.710	19.020	16690.010	23.710	6.020	16692.000	23.710	6.010
BT	.000	16692.010	23.710	19.020	16734.000	23.710	19.020	16734.010	23.710	5.940
BT	.000	16736.000	23.710	5.930	16736.010	23.710	5.850	16778.000	23.710	19.020
BT	.000	16778.010	23.710	5.950	16780.000	23.710	5.850	16780.010	23.710	19.020
BT	.000	16822.000	23.720	19.030	16822.010	23.720	5.770	16824.000	23.720	19.020
BT	.000	16824.010	23.720	19.030	16854.500	23.720	19.030	16856.000	23.720	19.030
BT	.000	16866.010	23.720	1.560	16868.000	23.720	.850	16868.010	23.720	19.030
BT	.000	16885.750	23.720	19.030	16885.760	23.720	-5.530	16889.000	23.720	-6.700
BT	.000	16892.250	23.720	-7.870	16892.260	23.720	19.030	16912.700	23.760	19.070
BT	.000	16970.900	23.850	19.160	16980.000	23.860	19.170	16980.010	23.860	-16.290
BT	.000	17030.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.170
BT	.000	17029.100	23.850	-7.540	17087.300	23.760	-5.400	17107.750	23.720	19.030
BT	.000	17107.760	23.720	19.040	17111.000	23.720	-5.400	17114.250	23.730	-5.260
BT	.000	17114.260	23.730	19.040	17132.000	23.760	19.070	17132.010	23.760	.970

BT	.000	17134.000	23.760	1.670	17134.010	23.760	19.070	17145.500	23.780	19.090
BT	.000	17146.000	23.780	19.090	17176.000	23.830	19.140	17176.010	23.830	8.170
BT	.000	17178.000	23.840	8.180	17178.010	23.840	19.150	17220.000	23.910	19.220
BT	.000	17220.010	23.910	8.410	17222.000	23.920	8.420	17222.010	23.920	19.230
BT	.000	17264.000	23.990	19.300	17264.010	23.990	8.650	17266.000	23.990	8.660
BT	.000	17266.010	23.990	19.300	17284.000	24.030	19.340	17308.980	24.070	19.380
BT	.000	17308.990	24.070	14.140	17309.000	21.870	8.890	17309.010	21.870	8.890
BT	.000	17404.000	21.880	9.410	17421.000	21.890	10.010	17459.000	21.890	20.010
BT	.000	17484.000	21.900	21.010	17500.000	21.900	21.230	17549.000	21.930	21.910
BT	.000	17683.000	20.900	20.830	17784.000	20.030	20.010	.000	.000	.000
GR	20.010	14279.000	20.010	14490.970	20.010	14490.980	20.010	14490.990	20.010	14491.000
GR	18.910	14491.010	17.220	14510.000	16.680	14516.000	10.010	14528.000	9.700	14529.000
GR	8.170	14534.000	8.170	14534.010	7.560	14536.000	7.560	14536.010	5.110	14544.000
GR	5.140	14578.000	5.140	14578.010	5.150	14580.000	5.150	14580.010	5.190	14622.000
GR	5.190	14622.010	5.190	14624.000	5.190	14624.010	5.240	14666.000	5.240	14666.010
GR	5.240	14668.000	5.240	14668.010	5.280	14710.000	5.280	14710.010	5.280	14712.000
GR	5.280	14712.010	5.330	14754.000	5.330	14754.010	5.330	14756.000	5.330	14756.010
GR	5.370	14798.000	5.370	14798.010	5.370	14800.000	5.370	14800.010	5.4. ?	14842.000
GR	5.420	14842.010	5.420	14844.000	5.420	14844.010	5.460	14886.000	5.460	14886.010
GR	5.460	14888.000	5.460	14888.010	5.510	14930.000	5.510	14930.010	5.510	14932.000
GR	5.510	14932.010	5.550	14974.000	5.550	14974.010	5.550	14976.000	5.550	14976.010
GR	5.600	15018.000	5.600	15018.010	5.600	15020.000	5.600	15020.010	5.640	15062.000
GR	5.640	15062.010	5.640	15064.000	5.640	15064.010	5.690	15106.000	5.690	15106.010
GR	5.690	15108.000	5.690	15108.010	5.730	15150.000	5.730	15150.010	5.740	15152.000
GR	5.740	15152.010	5.780	15194.000	5.780	15194.010	5.780	15196.000	5.780	15196.010
GR	5.820	15238.000	5.820	15238.010	5.830	15240.000	5.830	15240.010	5.870	15282.000
GR	5.870	15282.010	5.870	15284.000	5.870	15284.010	5.910	15322.000	5.910	15326.000
GR	5.910	15326.010	5.910	15328.000	5.910	15328.010	5.920	15370.000	5.920	15370.010
GR	5.920	15372.000	5.920	15372.010	5.920	15414.000	5.920	15414.010	5.920	15416.000
GR	5.920	15416.010	5.930	15458.000	5.930	15458.010	5.930	15460.000	5.930	15460.010
GR	5.930	15502.000	5.940	15502.010	5.940	15504.000	5.940	15504.010	5.940	15546.000
GR	5.940	15546.010	5.940	15548.000	5.940	15548.010	5.950	15590.000	5.950	15590.010
GR	5.950	15592.000	5.950	15592.010	5.950	15634.000	5.950	15634.010	5.950	15636.000
GR	5.950	15636.010	5.960	15678.000	5.960	15678.010	5.960	15680.000	5.960	15680.010
GR	5.970	15722.000	5.970	15722.010	5.970	15724.000	5.970	15724.010	5.970	15766.000
GR	5.970	15766.010	5.970	15768.000	5.970	15768.010	5.980	15810.000	5.980	15810.010
GR	5.980	15812.000	5.980	15812.010	5.980	15854.000	5.980	15854.010	5.980	15856.000
GR	5.980	15856.010	5.990	15898.000	5.990	15898.010	5.990	15900.000	5.990	15900.010
GR	6.000	15942.000	6.000	15942.010	6.000	15944.000	6.000	15944.010	6.000	15986.000
GR	6.000	15986.010	6.000	15988.000	6.000	15988.010	6.010	16030.000	6.010	16030.010
GR	6.010	16032.000	6.010	16032.010	6.010	16042.000	6.050	16074.000	6.050	16074.010
GR	6.050	16076.000	6.050	16076.010	6.110	16118.000	6.110	16118.010	6.110	16120.000
GR	6.110	16120.010	6.170	16162.000	6.170	16162.010	6.170	16164.000	6.170	16164.010
GR	6.220	16206.000	6.220	16206.010	6.230	16208.000	6.230	16208.010	6.280	16250.000
GR	6.280	16250.010	6.280	16252.000	6.280	16252.010	6.340	16294.000	6.340	16294.010
GR	6.340	16296.000	6.340	16296.010	6.390	16338.000	6.390	16338.010	6.400	16340.000
GR	6.400	16340.010	6.450	16382.000	6.450	16382.010	6.450	16384.000	6.450	16384.010
GR	6.510	16426.000	6.510	16426.010	6.510	16427.000	6.510	16428.000	6.510	16428.010
GR	6.430	16470.000	6.430	16470.010	6.430	16472.000	6.430	16472.010	6.350	16514.000
GR	6.350	16514.010	6.340	16516.000	6.340	16516.010	6.260	16558.000	6.260	16558.010
GR	6.260	16560.000	6.260	16560.010	6.180	16602.000	6.180	16602.010	6.180	16604.000
GR	6.180	16604.010	6.100	16646.000	6.100	16646.010	6.100	16648.000	6.100	16648.010
GR	6.020	16690.000	6.020	16690.010	6.010	16692.000	6.010	16692.010	5.940	16734.000
GR	5.940	16734.010	5.930	16736.000	5.930	16736.010	5.850	16778.000	5.850	16778.010

GR	5.850	16780.000	5.850	16780.010	5.770	16822.000	5.770	16822.010	5.770	16824.000
GR	5.770	16824.010	5.710	16854.500	1.570	16866.000	1.560	16866.010	.850	16868.000
GR	.840	16868.010	-5.530	16885.750	-5.530	16885.760	-6.700	16889.000	-7.870	16892.250
GR	-7.870	16892.260	-15.240	16912.700	-16.140	16970.900	-16.290	16980.000	-16.290	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.050	17029.100	-14.740	17087.300
GR	-7.550	17107.750	-7.540	17107.760	-6.400	17111.000	-5.260	17114.250	-5.260	17114.260
GR	.960	17132.000	.970	17132.010	1.670	17134.000	1.670	17134.010	5.710	17145.500
GR	8.010	17146.000	8.170	17176.000	8.170	17176.010	8.180	17178.000	8.180	17178.010
GR	8.410	17220.000	8.410	17220.010	8.420	17222.000	8.420	17222.010	8.650	17264.000
GR	8.650	17264.010	8.660	17266.000	8.660	17266.010	8.760	17284.000	19.380	17308.980
GR	8.850	17308.990	8.890	17309.000	8.890	17309.010	9.410	17404.000	10.010	17421.000
GR	20.010	17459.000	21.010	17484.000	21.230	17500.000	21.910	17549.000	20.830	17683.000
GR	20.010	17784.000	.000	.000	.000	.000	.000	.000	.000	.000

NH	3.000	.110	16427.000	.035	17145.500	.110	17784.000	.000	.000	.000
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US 13/17

X1	192868.000	281.000	16427.000	17145.500	36.000	36.000	36.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
BT	-281.000	14279.000	20.020	20.000	14490.970	21.400	20.000	14490.980	23.600	20.000
BT	.000	14490.990	23.600	20.000	14491.000	23.600	20.000	14491.010	23.600	18.900
BT	.000	14510.000	23.600	18.900	14516.000	23.600	18.900	14528.000	23.600	18.900
BT	.000	14529.000	23.600	18.900	14534.000	23.600	18.900	14534.010	23.600	8.160
BT	.000	14536.000	23.600	7.550	14536.010	23.600	18.900	14544.000	23.600	18.900
BT	.000	14578.000	23.600	18.900	14578.010	23.600	5.130	14580.000	23.600	5.140
BT	.000	14580.010	23.600	18.900	14622.000	23.600	18.900	14622.010	23.600	5.180
BT	.000	14624.000	23.600	5.180	14624.010	23.600	18.900	14666.000	23.610	18.910
BT	.000	14666.010	23.610	5.230	14668.000	23.610	5.230	14668.010	23.610	18.910
BT	.000	14710.000	23.610	18.910	14710.010	23.610	5.270	14712.000	23.610	5.270
BT	.000	14712.010	23.610	18.910	14754.000	23.610	18.910	14754.010	23.610	5.320
BT	.000	14756.000	23.610	5.320	14756.010	23.610	18.910	14798.000	23.610	18.910
BT	.000	14798.010	23.610	5.360	14800.000	23.610	5.360	14800.010	23.610	18.910
BT	.000	14842.000	23.620	18.920	14842.010	23.620	5.410	14844.000	23.620	5.410
BT	.000	14844.010	23.620	18.920	14886.000	23.620	18.920	14886.010	23.620	5.450
BT	.000	14888.000	23.620	5.450	14888.010	23.620	18.920	14930.000	23.620	18.920
BT	.000	14930.010	23.620	5.500	14932.000	23.620	5.500	14932.010	23.620	18.920
BT	.000	14974.000	23.620	18.920	14974.010	23.620	5.540	14976.000	23.620	5.540
BT	.000	14976.010	23.620	18.920	15018.000	23.620	18.920	15018.010	23.620	5.590
BT	.000	15020.000	23.620	5.590	15020.010	23.620	18.920	15062.000	23.630	18.930
BT	.000	15062.010	23.630	5.630	15064.000	23.630	5.630	15064.010	23.630	18.930
BT	.000	15106.000	23.630	18.930	15106.010	23.630	5.680	15108.000	23.630	5.680
BT	.000	15108.010	23.630	18.930	15150.000	23.630	18.930	15150.010	23.630	5.720
BT	.000	15152.000	23.630	5.730	15152.010	23.630	18.930	15194.000	23.630	18.930
BT	.000	15194.010	23.630	5.770	15196.000	23.630	5.770	15196.010	23.630	18.930
BT	.000	15238.000	23.640	18.940	15238.010	23.640	5.810	15240.000	23.640	5.820
BT	.000	15240.010	23.640	18.940	15282.000	23.640	18.940	15282.010	23.640	5.860
BT	.000	15284.000	23.640	5.860	15284.010	23.640	18.940	15322.000	23.640	18.940
BT	.000	15326.000	23.640	18.940	15326.010	23.640	5.900	15328.000	23.640	5.900
BT	.000	15328.010	23.640	18.940	15370.000	23.640	18.940	15370.010	23.640	5.910
BT	.000	15372.000	23.640	5.910	15372.010	23.640	18.940	15414.000	23.650	18.950
BT	.000	15414.010	23.650	5.910	15416.000	23.650	5.910	15416.010	23.650	18.950
BT	.000	15458.000	23.650	18.950	15458.010	23.650	5.920	15460.000	23.650	5.920
BT	.000	15460.010	23.650	18.950	15502.000	23.650	18.950	15502.010	23.650	5.930

BT	.000	15504.000	23.650	5.930	15504.010	23.650	18.950	15546.000	23.650	18.950
BT	.000	15546.010	23.650	5.930	15548.000	23.650	5.930	15548.010	23.650	18.950
BT	.000	15590.000	23.650	18.950	15590.010	23.650	5.940	15592.000	23.650	5.940
BT	.000	15592.010	23.650	18.950	15634.000	23.660	18.960	15634.010	23.660	5.940
BT	.000	15636.000	23.660	5.940	15636.010	23.660	18.960	15678.000	23.660	18.960
BT	.000	15678.010	23.660	5.950	15680.000	23.660	5.950	15680.010	23.660	18.960
BT	.000	15722.000	23.660	18.960	15722.010	23.660	5.960	15724.000	23.660	5.960
BT	.000	15724.010	23.660	18.960	15766.000	23.660	18.960	15766.010	23.660	5.960
BT	.000	15768.000	23.660	5.960	15768.010	23.660	18.960	15810.000	23.670	18.970
BT	.000	15810.010	23.670	5.970	15812.000	23.670	5.970	15812.010	23.670	18.970
BT	.000	15854.000	23.670	18.970	15854.010	23.670	5.970	15856.000	23.670	5.970
BT	.000	15856.010	23.670	18.970	15898.000	23.670	18.970	15898.010	23.670	5.980
BT	.000	15900.000	23.670	5.980	15900.010	23.670	18.970	15942.000	23.670	18.970
BT	.000	15942.010	23.670	5.990	15944.000	23.670	5.990	15944.010	23.670	18.970
BT	.000	15986.000	23.670	18.970	15986.010	23.670	5.990	15988.000	23.670	5.990
BT	.000	15988.010	23.670	18.970	16030.000	23.680	18.980	16030.010	23.680	6.000
BT	.000	16032.000	23.680	6.000	16032.010	23.680	18.980	16042.000	23.680	18.980
BT	.000	16074.000	23.680	18.980	16074.010	23.680	6.040	16076.000	23.680	6.040
BT	.000	16076.010	23.680	18.980	16118.000	23.680	18.980	16118.010	23.680	6.100
BT	.000	16120.000	23.680	6.100	16120.010	23.680	18.980	16162.000	23.680	18.980
BT	.000	16162.010	23.680	6.160	16164.000	23.680	6.160	16164.010	23.680	18.980
BT	.000	16206.000	23.690	18.990	16206.010	23.690	6.210	16208.000	23.690	6.220
BT	.000	16208.010	23.690	18.990	16250.000	23.690	18.990	16250.010	23.690	6.270
BT	.000	16252.000	23.690	6.270	16252.010	23.690	18.990	16294.000	23.690	18.990
BT	.000	16294.010	23.690	6.330	16296.000	23.690	6.330	16296.010	23.690	18.990
BT	.000	16338.000	23.690	18.990	16338.010	23.690	6.380	16340.000	23.690	6.390
BT	.000	16340.010	23.690	18.990	16382.000	23.690	18.990	16382.010	23.690	6.440
BT	.000	16384.000	23.690	6.440	16384.010	23.690	18.990	16426.000	23.700	19.000
BT	.000	16426.010	23.700	6.500	16427.000	23.700	6.500	16428.000	23.700	6.500
BT	.000	16428.010	23.700	19.000	16470.000	23.700	19.000	16470.010	23.700	6.420
BT	.000	16472.000	23.700	6.420	16472.010	23.700	19.000	16514.000	23.700	19.000
BT	.000	16514.010	23.700	6.340	16516.000	23.700	6.330	16516.010	23.700	19.000
BT	.000	16558.000	23.700	19.000	16558.010	23.700	6.250	16560.000	23.700	6.250
BT	.000	16560.010	23.700	19.000	16602.000	23.710	19.010	16602.010	23.710	6.170
BT	.000	16604.000	23.710	6.170	16604.010	23.710	19.010	16646.000	23.710	19.010
BT	.000	16646.010	23.710	6.090	16648.000	23.710	6.090	16648.010	23.710	19.010
BT	.000	16690.000	23.710	19.010	16690.010	23.710	6.010	16692.000	23.710	6.000
BT	.000	16692.010	23.710	19.010	16734.000	23.710	19.010	16734.010	23.710	5.930
BT	.000	16736.000	23.710	5.920	16736.010	23.710	19.010	16778.000	23.710	19.010
BT	.000	16778.010	23.710	5.840	16780.000	23.710	5.840	16780.010	23.710	19.010
BT	.000	16822.000	23.720	19.020	16822.010	23.720	5.760	16824.000	23.720	5.760
BT	.000	16824.010	23.720	19.020	16854.500	23.720	19.020	16866.000	23.720	19.020
BT	.000	16866.010	23.720	1.550	16868.000	23.720	.840	16868.010	23.720	19.020
BT	.000	16885.750	23.720	19.020	16885.760	23.720	-5.540	16889.000	23.720	-6.710
BT	.000	16892.250	23.720	-7.880	16892.260	23.720	19.020	16912.700	23.760	19.060
BT	.000	16970.900	23.850	19.150	16980.000	23.860	19.160	16980.010	23.860	-16.300
BT	.000	17000.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.160
BT	.000	17029.100	23.850	19.150	17087.300	23.760	19.060	17107.750	23.720	19.020
BT	.000	17107.760	23.720	-7.560	17111.000	23.720	-6.410	17114.250	23.730	-5.280
BT	.000	17114.260	23.730	19.030	17132.000	23.760	19.060	17132.010	23.760	.960
BT	.000	17134.000	23.760	1.660	17134.010	23.760	19.060	17145.500	23.780	19.080
BT	.000	17146.000	23.780	19.080	17176.000	23.830	19.130	17176.010	23.830	8.160
BT	.000	17178.000	23.840	8.170	17178.010	23.840	19.140	17220.000	23.910	19.210
BT	.000	17220.010	23.910	8.400	17222.000	23.920	8.410	17222.010	23.920	19.220

BT	.000	17264.000	19.290	17264.010	23.990	8.640	17266.000	23.990	8.650
BT	.000	17266.010	19.290	17284.000	24.030	19.330	17308.980	24.070	19.370
BT	.000	17308.990	14.130	17309.000	21.870	8.880	17309.010	21.870	8.880
BT	.000	17404.000	9.400	17421.000	21.890	10.000	17459.000	21.890	20.000
BT	.000	17484.000	21.900	17500.000	21.900	21.220	17549.000	21.510	21.900
BT	.000	17683.000	20.820	17784.000	20.020	20.000	.000	.000	.000
GR	20.000	14279.000	20.000	14490.980	20.000	20.000	14490.990	20.000	14491.000
GR	18.900	14491.010	17.210	14510.000	16.670	10.000	14528.000	9.690	14529.000
GR	8.160	14534.000	14534.010	14536.000	7.550	7.550	14536.010	5.100	14544.000
GR	5.130	14578.000	14578.010	14580.000	5.140	5.140	14580.010	5.180	14622.000
GR	5.180	14622.010	14624.000	14624.010	5.180	5.230	14666.000	5.230	14666.010
GR	5.230	14668.000	14668.010	14670.000	5.270	5.270	14710.010	5.270	14712.000
GR	5.270	14712.010	14754.000	14754.010	5.320	5.320	14756.000	5.320	14756.010
GR	5.360	14798.000	14798.010	14800.000	5.360	5.360	14800.010	5.410	14842.000
GR	5.410	14842.010	14844.000	14844.010	5.410	5.450	14886.000	5.450	14886.010
GR	5.450	14888.000	14888.010	14930.000	5.500	5.500	14930.010	5.500	14932.000
GR	5.500	14932.010	14974.000	14974.010	5.540	5.540	14976.000	5.540	14976.010
GR	5.590	15018.000	15018.010	15020.000	5.590	5.590	15020.010	5.630	15062.000
GR	5.630	15062.010	15064.000	15064.010	5.630	5.680	15106.000	5.680	15106.010
GR	5.680	15108.000	15108.010	15150.000	5.720	5.720	15150.010	5.730	15152.000
GR	5.730	15152.010	15194.000	15194.010	5.770	5.770	15196.000	5.770	15196.010
GR	5.810	15238.000	15238.010	15240.000	5.820	5.820	15240.010	5.860	15282.000
GR	5.860	15282.010	15284.000	15284.010	5.860	5.900	15322.000	5.900	15326.000
GR	5.900	15326.010	15328.000	15328.010	5.910	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	15372.010	15414.000	5.910	5.910	15414.010	5.910	15416.000
GR	5.920	15416.010	15458.000	15458.010	5.920	5.920	15460.000	5.920	15460.010
GR	5.930	15502.000	15502.010	15504.000	5.930	5.930	15504.010	5.930	15546.000
GR	5.930	15546.010	15548.000	15548.010	5.930	5.940	15590.000	5.940	15590.010
GR	5.940	15592.000	15592.010	15634.000	5.940	5.940	15634.010	5.940	15636.000
GR	5.940	15636.010	15678.000	15678.010	5.950	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	15722.010	15724.000	5.960	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	15768.000	15768.010	5.960	5.970	15810.000	5.970	15810.010
GR	5.970	15812.000	15812.010	15854.000	5.970	5.970	15854.010	5.970	15856.000
GR	5.970	15856.010	15898.000	15898.010	5.980	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	15942.010	15944.000	5.990	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	15988.000	15988.010	6.000	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	16032.010	16042.000	6.000	6.040	16074.000	6.040	16074.010
GR	6.040	16076.000	16076.010	16118.000	6.100	6.100	16118.010	6.100	16120.000
GR	6.100	16120.010	16162.000	16162.010	6.160	6.160	16164.000	6.160	16164.010
GR	6.210	16206.000	16206.010	16208.000	6.220	6.220	16208.010	6.270	16250.000
GR	6.270	16250.010	16252.000	16252.010	6.270	6.330	16294.000	6.330	16294.010
GR	6.330	16296.000	16296.010	16338.000	6.380	6.380	16338.010	6.390	16340.000
GR	6.390	16340.010	16382.000	16382.010	6.440	6.440	16384.000	6.440	16384.010
GR	6.500	16426.000	16426.010	16427.000	6.500	6.500	16428.000	6.500	16428.010
GR	6.420	16470.000	16470.010	16472.000	6.420	6.420	16472.010	6.340	16514.000
GR	6.340	16514.010	16516.000	16516.010	6.330	6.250	16558.000	6.250	16558.010
GR	6.250	16560.000	16560.010	16602.000	6.170	6.170	16602.010	6.170	16604.000
GR	6.170	16604.010	16646.000	16646.010	6.090	6.090	16648.000	6.090	16648.010
GR	6.010	16690.000	16690.010	16692.000	6.000	6.000	16692.010	5.930	16734.000
GR	5.930	16734.010	16736.000	16736.010	5.920	5.840	16778.000	5.840	16778.010
GR	5.840	16780.000	16780.010	16822.000	5.760	5.760	16822.010	5.760	16824.000
GR	5.760	16824.010	16854.500	16854.500	1.560	1.550	16866.000	.840	16868.000
GR	.830	16868.010	16885.750	16885.750	-5.540	-6.710	16889.000	-7.880	16892.250
GR	-7.880	16892.260	16912.700	16912.700	-16.150	-16.300	16980.000	-16.300	16980.010

GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.560	17107.750	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.140	17176.010	8.170	17178.000	8.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	19.370	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.040	17145.500	1.110	17784.000	.000	.000	.000
X1	192869.000	281.000	16427.000	17145.500	1.000	1.000	20.000	20.000	20.000	14491.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	20.000	14279.000	20.000	14490.970	16.670	14490.980	10.000	14490.990	9.690	14529.000
GR	20.000	14491.010	20.000	14510.000	7.550	14516.000	7.550	14528.000	5.100	14544.000
GR	8.160	14534.000	8.160	14534.010	7.550	14536.000	7.550	14536.010	5.180	14622.000
GR	5.130	14578.000	5.130	14578.010	5.140	14580.000	5.140	14580.010	5.230	14666.010
GR	5.180	14622.010	5.180	14622.000	5.180	14624.010	5.230	14666.000	5.270	14712.000
GR	5.230	14668.000	5.230	14668.010	5.270	14710.000	5.270	14710.010	5.320	14756.010
GR	5.270	14712.010	5.320	14754.000	5.320	14754.010	5.360	14800.010	5.410	14842.000
GR	5.360	14798.000	5.360	14798.010	5.360	14800.000	5.450	14886.000	5.450	14886.010
GR	5.410	14842.010	5.410	14844.000	5.410	14844.010	5.500	14930.010	5.500	14932.000
GR	5.450	14888.000	5.450	14888.010	5.500	14930.000	5.500	14930.010	5.540	14976.010
GR	5.500	14932.010	5.540	14974.000	5.540	14974.010	5.590	15020.010	5.630	15062.000
GR	5.590	15018.000	5.590	15018.010	5.590	15020.000	5.590	15106.000	5.680	15106.010
GR	5.630	15062.010	5.630	15064.000	5.630	15064.010	5.680	15106.000	5.730	15152.000
GR	5.680	15108.000	5.680	15108.010	5.720	15150.000	5.720	15150.010	5.770	15196.000
GR	5.730	15152.010	5.770	15194.000	5.770	15194.010	5.820	15240.010	5.820	15282.000
GR	5.810	15238.000	5.810	15238.010	5.820	15240.000	5.820	15240.010	5.820	15282.000
GR	5.860	15282.010	5.860	15284.000	5.860	15284.010	5.900	15322.000	5.900	15326.000
GR	5.900	15326.010	5.900	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	5.910	15372.010	5.910	15414.000	5.910	15414.010	5.920	15466.010
GR	5.910	15416.010	5.920	15458.000	5.920	15458.010	5.920	15460.000	5.920	15546.000
GR	5.920	15502.000	5.930	15502.010	5.930	15504.010	5.930	15504.000	5.940	15590.010
GR	5.930	15546.010	5.930	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010
GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15636.000
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	5.960	15768.000	5.960	15768.010	5.970	15810.000	5.970	15810.010
GR	5.970	15812.000	5.970	15812.010	5.970	15854.000	5.970	15854.010	5.970	15856.000
GR	5.970	15856.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.040	16074.000	6.040	16074.010
GR	6.040	16076.000	6.040	16076.010	6.100	16118.000	6.100	16118.010	6.100	16120.000
GR	6.100	16120.010	6.160	16162.000	6.160	16162.010	6.160	16164.000	6.160	16164.010
GR	6.210	16206.000	6.210	16206.010	6.220	16208.000	6.220	16208.010	6.270	16250.000
GR	6.270	16250.010	6.270	16252.000	6.270	16252.010	6.330	16294.000	6.330	16294.010
GR	6.330	16296.000	6.330	16296.010	6.380	16338.000	6.380	16338.010	6.390	16340.000
GR	6.390	16340.010	6.440	16382.000	6.440	16382.010	6.440	16384.000	6.500	16428.010
GR	6.500	16426.000	6.500	16426.010	6.500	16427.000	6.500	16428.000	6.340	16514.000
GR	6.420	16470.000	6.420	16470.010	6.420	16472.000	6.420	16472.010	6.250	16558.000
GR	6.340	16514.010	6.330	16516.000	6.330	16516.010	6.250	16558.000	6.250	16558.010
GR	6.250	16560.000	6.250	16560.010	6.170	16502.010	6.170	16502.010	6.170	16504.000

GR	6.170	16604.010	6.090	16646.000	6.090	16646.010	6.090	16648.000	6.090	16648.010
GR	6.010	16690.000	6.010	16690.010	6.000	16692.000	6.000	16692.010	5.930	16734.000
GR	5.930	16734.010	5.920	16736.000	5.920	16736.010	5.840	16778.000	5.840	16778.010
GR	5.840	16780.000	5.840	16780.010	5.760	16822.000	5.760	16822.010	5.760	16824.000
GR	5.760	16824.010	5.700	16854.500	1.560	16866.000	1.550	16866.010	.840	16868.000
GR	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000	-7.880	16892.250
GR	-7.880	16892.260	-15.250	16912.700	-16.150	16970.900	-16.300	16980.000	-16.300	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000	8.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	8.880	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000
ET	.000	.000	.000	.000	.000	14.410	.000	.000	.000	.000

Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27559.000	27559.000	27559.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17539.500	5.800	17551.500
GR	5.500	17911.500	5.500	23521.500	5.500	24631.500	6.560	25011.500	9.840	25331.500
GR	11.490	25541.500	9.840	25751.500	6.560	26827.500	6.560	31093.500	6.560	32345.500
GR	13.120	32517.500	13.120	33445.500	19.690	33545.500	26.250	33615.500	32.810	33665.500
GR	39.370	33725.500	45.930	33765.500	52.490	33821.500	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16865.500	.050	17191.500	.110	40739.500	.000	.000	.000

Cross Section F

X1	232663.000	43.000	16865.500	17191.500	12235.000	12235.000	12235.000	.000	.000	.000
GR	28.900	16346.500	28.000	16436.500	28.000	16606.500	28.000	16684.500	28.000	16736.500
GR	28.000	16751.500	26.000	16760.500	24.000	16767.500	22.000	16775.500	20.000	16787.500
GR	18.000	16800.500	16.000	16824.500	14.000	16847.500	12.000	16856.500	10.000	16865.500
GR	8.000	16871.500	7.150	16872.500	-13.900	16923.500	-17.800	16974.500	-12.290	17025.500
GR	-15.190	17076.500	7.150	17127.500	8.000	17136.500	10.000	17163.500	10.500	17191.500
GR	10.000	17333.500	8.000	17803.500	8.000	18133.500	6.000	19225.500	6.000	20435.500
GR	6.100	20715.500	6.560	30335.500	9.840	30825.500	11.480	31051.500	9.840	31281.500
GR	6.560	31693.500	6.560	32313.500	9.840	32523.500	9.840	36903.500	13.120	40579.500
GR	19.690	40637.500	26.250	40677.500	32.810	40739.500	.000	.000	.000	.000

THIS RUN EXECUTED 01-09-89 12:25:57

 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

Roanoke River

SUMMARY PRINTOUT TABLE 110

SECCO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
151325.000	8.48	-1.52	8.50	29360.88	5.08	12373.54	36621.38	.00	.00	11882.50	12126.50	.00
151325.000	9.48	1.00	9.50	17616.70	.00	13114.48	35885.52	.23	11882.50	11882.50	12126.50	29499.20
162262.000	9.06	.00	9.08	28791.36	2661.33	11361.19	34977.48	.00	.00	11847.00	12158.00	.00
162262.000	10.07	1.00	10.08	19168.52	.00	12264.83	36735.18	.24	11847.00	11847.00	12158.00	31015.52
171586.000	9.61	.00	9.62	27848.60	10067.27	10138.65	28794.07	.00	.00	11893.00	12285.00	.00
171586.000	10.62	1.00	10.63	20234.71	5793.66	11291.48	31914.86	.24	9397.80	11893.00	12285.00	29713.44
181325.000	10.23	.00	10.25	25161.90	28476.96	10518.21	10004.83	.00	.00	16800.00	17173.00	.00
181325.000	11.24	1.00	11.25	16759.52	30049.55	11676.81	7273.64	.23	4995.42	16800.00	17173.00	21754.94
192720.000	11.84	.00	12.19	898.46	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192720.000	12.77	.92	13.06	898.77	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192721.000	11.78	.00	12.25	767.15	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192721.000	12.71	.93	13.12	771.46	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192809.000	11.86	.00	12.32	767.54	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192809.000	12.78	.91	13.18	771.77	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192810.000	11.99	.00	12.35	898.36	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192810.000	12.89	.90	13.20	898.67	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192831.000	11.99	.00	12.39	718.59	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192831.000	12.88	.89	13.23	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192832.000	11.88	.00	12.50	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192832.000	12.79	.91	13.33	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192868.000	11.91	.00	12.53	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192868.000	12.82	.91	13.35	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50

2743

12000
12000
12000
17000

11

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
192869.000	12.13	.00	12.59	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192869.000	13.04	.86	13.40	718.50	.00	49000.00	.00	.00	<u>16427.00</u>	16427.00	17145.50	<u>17145.50</u>
220428.000	14.51	.00	14.52	18114.53	1825.89	13753.73	33420.38	.00	.00	16796.50	17209.50	.00
220428.000	15.45	.94	15.47	12160.63	.00	15573.99	33426.01	.20	<u>16796.50</u>	16796.50	17209.50	<u>28957.13</u>
232663.000	14.83	.00	14.83	23756.56	7.60	7783.90	41208.50	.00	.00	16865.50	17191.50	.00
232663.000	15.81	.99	15.82	13431.60	.00	8884.80	40115.21	.24	<u>16865.50</u>	16865.50	17191.50	<u>30297.10</u>
241047.000	15.12	.00	15.12	22890.88	1.22	6801.55	42197.22	.00	.00	16862.00	17157.00	.00
241047.000	16.14	1.03	16.15	11908.33	.00	7874.65	41125.35	.25	<u>16862.00</u>	16862.00	17157.00	<u>28770.33</u>

E

F

G

FLOODWAY DATA, Roanoke River
PROFILE NO. 2

#2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
151325.000	17617.	115764.	.4	9.5	8.5	1.0
162262.000	19169.	117384.	.4	10.1	9.1	1.0
171586.000	20316.	116336.	.4	10.6	9.6	1.0
181325.000	16760.	106602.	.5	11.2	10.2	1.0
192720.000	915.	11223.	4.4	12.7	11.8	.9
192721.000	915.	9626.	5.1	12.7	11.8	.9
192809.000	915.	9676.	5.1	12.8	11.9	.9
192810.000	915.	10956.	4.5	12.9	12.0	.9
192831.000	719.	10304.	4.8	12.9	12.0	.9
192832.000	719.	8329.	5.9	12.8	11.9	.9
192868.000	719.	8350.	5.9	12.8	11.9	.9
192869.000	719.	10107.	4.8	13.1	12.2	.9
220428.000	12161.	117859.	.4	15.4	14.5	.9
232663.000	13432.	128800.	.4	15.8	14.8	1.0
241047.000	11908.	109054.	.4	16.1	15.1	1.0

Roanoke River

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
151325.000	8.48	-1.52	8.50	29360.88	5.08	12373.54	36621.38	.00	.00	5882.50	6126.50	.00
151325.000	9.48	1.00	9.49	25317.00	.00	10865.94	38134.05	25317.00	5883.00	5882.50	6126.50	31200.00
162262.000	9.06	.00	9.08	28791.36	2661.33	11361.19	34977.48	.00	.00	11847.00	12158.00	.00
162262.000	9.96	.90	9.98	19168.52	.00	12461.93	36538.07	.24	11847.00	11847.00	12158.00	31015.52
171586.000	9.61	.00	9.62	27848.60	10067.27	10138.65	28794.07	.00	.00	11893.00	12285.00	.00
171586.000	10.54	.93	10.55	19917.33	10638.96	11429.16	26931.88	20015.00	7098.00	11893.00	12285.00	27113.00
181325.000	10.23	.00	10.25	25161.90	28476.96	10518.21	10004.83	.00	.00	16800.00	17173.00	.00
181325.000	11.18	.95	11.20	16759.52	30008.66	11762.49	7228.86	.23	4995.42	16800.00	17173.00	21754.94
192720.000	11.84	.00	12.19	898.46	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192720.000	12.74	.90	13.04	898.76	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192721.000	11.78	.00	12.25	767.15	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192721.000	12.69	.91	13.09	771.35	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192809.000	11.86	.00	12.32	767.54	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192809.000	12.75	.89	13.15	771.67	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192810.000	11.99	.00	12.35	898.36	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192810.000	12.87	.88	13.18	898.66	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192831.000	11.99	.00	12.39	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192831.000	12.86	.87	13.21	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192832.000	11.86	.00	12.50	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192832.000	12.77	.89	13.31	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192868.000	11.91	.00	12.53	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192868.000	12.80	.88	13.33	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50

6000 £

12000 £

11

D 11000

SECHO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
192869.000	12.18	.00	12.59	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192869.000	13.02	.84	13.38	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
220428.000	14.51	.00	14.52	18114.53	1825.89	13753.73	33420.38	.00	.00	16796.50	17209.50	.00
220428.000	15.44	.93	15.46	12160.63	.00	15588.41	33411.59	.20	16796.50	16796.50	17209.50	28957.13
232663.000	14.83	.00	14.83	23756.56	7.60	7783.90	41208.50	.00	.00	16865.50	17191.50	.00
232663.000	15.80	.97	15.81	13431.60	.00	8893.11	40106.89	.24	16865.50	16865.50	17191.50	30297.10
241047.000	15.12	.00	15.12	22890.88	1.22	6801.55	42197.22	.00	.00	16862.00	17157.00	.00
241047.000	16.13	1.02	16.14	11908.33	.00	7880.79	41119.20	.25	16862.00	16862.00	17157.00	28770.33

2

FLOODWAY DATA, Roanoke River
PROFILE NO. 2

#3

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
151325.000	25317.	153515.	.3	9.5	8.5	1.0
162262.000	19169.	115383.	.4	10.0	9.1	.9
171586.000	20015.	113987.	.4	10.5	9.6	.9
181325.000	16760.	105638.	.5	11.1	10.2	.9
192720.000	915.	11203.	4.4	12.7	11.8	.9
192721.000	915.	9610.	5.1	12.7	11.8	.9
192809.000	915.	9660.	5.1	12.8	11.9	.9
192810.000	915.	10936.	4.5	12.9	12.0	.9
192831.000	719.	10288.	4.8	12.9	12.0	.9
192832.000	719.	8315.	5.9	12.8	11.9	.9
192868.000	719.	8336.	5.9	12.8	11.9	.9
192869.000	719.	10092.	4.9	13.0	12.2	.8
220428.000	12161.	117711.	.4	15.4	14.5	.9
232663.000	13432.	128653.	.4	15.8	14.8	1.0
241047.000	11908.	108938.	.4	16.1	15.1	1.0

THIS RUN EXECUTED 01-09-89 15:55:34

 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 Martin Co. NC FI
 T2 Filename:RR.HEC Eng:EKL ET:CJB Comm. No. 2353D
 T3 Roanoke River Date: 01/06/88 100-Year Event

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	0.	4.	0.	0.	.000050	.00	.0	0.	10.000	.000
J2	NPROF	IPLOT	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

NC	.110	.110	.040	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	5882.500	.040	6126.500	.110	38586.500	.000	.000	.000
QT	5.000	25000.000	35000.000	49000.000	132000.000	49000.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	7.110	5883.000	31200.000	.000	.000

=====
 ===== HEC-2 Input file created with CodeH2 =====
 ===== Version: 3.51 =====
 ===== CodeH2 Copyrighted 1986, 1987, 1988 =====
 ===== Run Date: Monday January 9, 1989 =====
 ===== Run Time: 15:55:26 =====
 =====

Cross Section A

X1	151325.000	30.000	5882.500	6126.500	151325.000	151325.000	151325.000	.000	.000	.000
GR	24.000	5315.500	22.400	5565.500	22.000	5662.500	20.000	5740.500	18.000	5815.500
GR	16.000	5832.500	14.000	5844.500	12.000	5853.500	10.000	5863.500	8.000	5869.500
GR	6.000	5877.500	4.000	5882.500	2.990	5887.500	-9.850	5932.500	-15.450	5977.500
GR	-27.450	6022.500	-37.460	6067.500	2.990	6112.500	4.000	6126.500	4.300	6180.500
GR	4.000	6234.500	2.200	6684.500	5.000	34020.500	5.000	34770.500	5.000	38170.500
GR	10.000	38254.500	15.000	38334.500	20.000	38398.500	25.000	38442.500	30.000	38586.500

NH	3.000	.110	11847.000	.040	12158.000	.110	39298.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	10.410	.000	.000	.000	.000

Cross Section B

X1	162262.000	39.000	11847.000	12158.000	10937.000	10937.000	10937.000	.000	.000	.000
GR	25.000	10150.000	24.000	10160.000	22.000	10170.000	20.000	10180.000	18.000	10188.000
GR	16.000	10202.000	14.000	10206.000	12.000	10217.000	10.000	10229.000	8.000	10244.000
GR	6.000	10259.000	4.700	10423.000	4.000	10551.000	3.400	10586.000	3.400	11106.000
GR	3.400	11806.000	4.000	11827.000	5.000	11847.000	4.000	11867.000	3.580	11894.990
GR	3.600	11895.000	-9.260	11937.000	-14.860	11979.000	-26.860	12021.000	-36.870	12063.000
GR	3.580	12105.000	3.900	12158.000	3.300	12928.000	5.000	29988.000	5.000	32458.000
GR	10.000	32694.000	5.000	32894.000	5.000	35314.000	5.000	39080.000	10.000	39116.000
GR	15.000	39170.000	20.000	39216.000	25.000	39256.000	30.000	39298.000	.000	.000
NH	3.000	.110	11893.000	.040	12285.000	.110	34395.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	7.110	7098.000	27113.000	.000	.000

Cross Section C

X1	171586.000	32.000	11893.000	12285.000	9324.000	9324.000	9324.000	.000	.000	.000
GR	27.500	4923.000	25.000	5203.000	20.000	5503.000	5.000	5603.000	4.100	11603.000
GR	4.100	11893.000	-17.750	11935.800	-20.950	11978.600	-20.350	12021.400	-19.350	12064.200
GR	4.100	12107.000	6.000	12140.000	7.000	12285.000	6.000	12433.000	5.800	12595.000
GR	4.000	14235.000	3.700	14435.000	3.700	16105.000	5.000	21165.000	5.000	23235.000
GR	10.000	24895.000	11.000	25001.000	10.000	25107.000	5.000	26667.000	5.000	28757.000
GR	5.000	31797.000	5.000	33817.000	10.000	33887.000	15.000	33985.000	20.000	34085.000
GR	25.000	34305.000	30.000	34395.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16800.000	.040	17173.000	.110	27159.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	10.410	.000	.000	.000	.000

Cross Section D

X1	181325.000	34.000	16800.000	17173.000	9739.000	9739.000	9739.000	.000	.000	.000
GR	30.000	358.000	25.000	508.000	20.000	1758.000	5.000	1858.000	4.200	15550.000
GR	4.200	16046.000	6.000	16096.000	8.000	16726.000	8.300	16800.000	8.000	16861.000
GR	6.000	16870.000	4.990	16886.000	-16.950	16931.600	-18.560	16977.200	-16.350	17022.800
GR	-17.450	17068.400	4.990	17114.000	6.000	17128.000	6.500	17173.000	6.000	17225.000
GR	5.000	17240.000	1.000	17255.000	5.000	17270.000	6.000	17285.000	6.500	17349.000
GR	6.000	17407.000	6.000	18007.000	6.000	18727.000	6.560	20171.000	6.560	26637.000
GR	6.560	26957.000	13.120	27007.000	19.690	27069.000	26.240	27159.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192720.000	113.000	16391.950	17307.040	11395.000	11395.000	11395.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	6.010	16391.970	6.010	16392.000	6.010	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000

GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	16742.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	16792.000	7.950	16840.010
GR	7.970	16842.000	7.970	16844.000	7.990	16844.010	16844.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16852.000	-19.990	16892.000	16892.000	-25.990	16942.000
GR	-24.320	16954.500	-24.320	16954.510	-23.590	16960.000	16960.010	-23.050	16964.000
GR	-23.050	16964.010	-22.320	16969.500	-22.320	16969.510	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	17092.000	-3.640	17104.500
GR	-3.630	17104.510	-1.980	17107.000	-1.550	17110.000	17110.010	-980	17114.000
GR	-970	17114.010	-190	17119.500	17119.510	17119.510	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	17192.000	9.010	17226.990
GR	9.010	17227.000	9.020	17230.000	9.020	17230.010	1734.000	9.030	17234.010
GR	9.040	17242.000	9.190	17307.020	9.190	17307.030	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	18400.000	-000	17484.000
WH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	-000	-000
X1	192721.000	113.000	16391.950	17307.040	1.000	1.000	1.000	-000	-000
X3	10.000	-000	-000	-000	-000	-000	20.000	21.000	-000
BT	-113.000	14509.990	20.030	20.010	14510.000	20.020	14528.000	20.010	10.010
BT	.000	14544.000	20.020	5.110	15322.000	20.580	15900.000	21.000	5.990
BT	.000	16042.000	27.430	6.010	16341.990	41.000	16342.000	41.000	6.010
BT	.000	16378.480	42.640	6.010	16391.950	43.230	16391.960	43.230	6.010
BT	.000	16391.970	43.230	36.740	16392.000	43.230	16442.000	45.600	39.110
BT	.000	16462.000	46.160	39.670	16465.000	46.240	16465.010	46.240	6.010
BT	.000	16469.000	46.360	6.010	16469.010	46.360	16492.000	47.000	40.510
BT	.000	16540.000	48.630	42.140	16540.010	48.630	16542.000	48.700	6.010
BT	.000	16544.000	48.770	6.010	16544.010	48.770	16592.000	50.400	43.910
BT	.000	16615.000	50.680	44.190	16615.010	50.680	16619.000	50.720	6.010
BT	.000	16619.010	50.720	44.230	16642.000	51.000	16690.000	53.400	46.910
BT	.000	16690.010	53.400	6.490	16692.000	53.500	16694.000	53.540	6.530
BT	.000	16694.010	54.450	47.050	16742.000	54.400	16765.000	54.450	47.960
BT	.000	16765.010	54.450	7.230	16768.990	54.450	16769.010	54.450	47.960
BT	.000	16792.000	54.500	48.010	16840.000	54.980	16840.010	54.980	7.950
BT	.000	16842.000	55.000	7.970	16844.000	55.000	16844.010	55.000	48.510
BT	.000	16846.000	55.000	48.510	16851.000	55.000	16855.000	55.000	48.510
BT	.000	16862.000	55.000	48.510	16892.000	55.000	16922.000	55.420	48.930
BT	.000	16942.000	55.700	49.210	16954.500	55.880	16954.510	55.880	49.390
BT	.000	16960.000	55.950	49.460	16960.010	55.950	16964.000	56.010	11.220
BT	.000	16964.010	56.010	49.520	16969.500	56.090	16969.510	56.090	49.600
BT	.000	16972.000	56.120	49.630	16982.000	56.260	16987.000	56.330	49.840
BT	.000	16992.000	56.400	49.910	16994.900	56.420	16995.000	56.420	49.930
BT	.000	17032.000	56.640	50.150	17041.990	56.700	17042.000	56.700	50.210
BT	.000	17053.000	56.630	50.140	17072.000	56.520	17078.900	56.480	49.990
BT	.000	17079.000	56.480	49.990	17087.000	56.430	17091.990	56.400	49.910
BT	.000	17092.000	56.400	49.910	17104.500	56.400	17104.510	56.400	49.910
BT	.000	17107.000	56.400	49.910	17110.000	56.400	17110.010	56.400	10.520
BT	.000	17114.000	56.400	10.520	17114.010	56.400	17119.500	56.400	49.910
BT	.000	17119.510	56.400	49.910	17122.000	56.400	17128.000	56.400	49.910
BT	.000	17133.000	56.400	49.910	17142.000	56.400	17154.000	56.400	49.910
BT	.000	17192.000	56.400	49.910	17226.990	55.700	17227.000	55.700	49.210
BT	.000	17230.000	55.640	49.150	17230.010	55.640	17234.000	55.560	12.460

BT	.000	17234.010	55.560	49.070	17242.000	55.400	48.910	17307.020	54.970	48.480
BT	.000	17307.030	54.970	28.830	17307.040	54.970	9.190	17316.820	54.800	9.210
BT	.000	17342.000	54.000	9.270	17404.000	53.110	9.410	17421.000	52.860	10.010
BT	.000	17459.000	52.320	20.010	17484.000	51.960	21.010	17549.000	51.020	21.910
BT	.000	17620.000	50.000	21.830	18400.000	21.030	21.010	.000	.000	.000
GR	20.010	14509.990	20.000	14510.000	10.010	14528.000	5.110	14544.000	5.910	15322.000
GR	5.990	15900.000	6.010	16042.000	6.010	16341.990	6.010	16342.000	6.010	16378.480
GR	6.010	16391.950	6.010	16391.960	36.740	16391.970	36.730	16392.000	14.790	16442.000
GR	6.010	16462.000	6.010	16465.000	6.010	16465.010	6.010	16469.000	6.010	16469.010
GR	6.010	16492.000	6.010	16540.000	6.010	16540.010	6.010	16542.000	6.010	16544.000
GR	6.010	16544.010	6.010	16592.000	6.010	16615.000	6.010	16615.010	6.010	16619.000
GR	6.010	16619.010	6.010	16642.000	6.490	16690.000	6.490	16690.010	6.510	16692.000
GR	6.530	16694.000	6.530	16694.010	7.010	16742.000	7.230	16765.000	7.230	16765.010
GR	7.270	16768.990	7.270	16769.010	7.490	16792.000	7.950	16840.000	7.950	16840.010
GR	7.970	16842.000	7.990	16844.000	7.990	16844.010	8.010	16846.000	7.010	16851.000
GR	2.650	16855.000	-4.980	16862.000	-19.990	16892.000	-26.990	16922.000	-25.990	16942.000
GR	-24.320	16954.500	11.220	16954.510	11.220	16960.000	11.220	16960.010	11.220	16964.000
GR	11.220	16964.010	11.220	16969.500	-22.320	16969.510	-21.990	16972.000	-21.990	16982.000
GR	14.010	16987.000	14.010	16992.000	14.010	16994.900	-20.990	16995.000	-19.990	17032.000
GR	-18.990	17041.990	-18.970	17042.000	-17.990	17053.000	-16.990	17072.000	-14.990	17078.900
GR	14.010	17079.000	14.010	17087.000	-11.930	17091.990	-11.990	17092.000	-3.640	17104.500
GR	10.520	17104.510	10.520	17107.000	10.520	17110.000	10.520	17110.010	10.520	17114.000
GR	10.520	17114.010	10.520	17119.500	-1.190	17119.510	.150	17122.000	1.010	17128.000
GR	4.010	17133.000	7.010	17142.000	9.010	17154.000	9.010	17192.000	9.010	17226.990
GR	9.010	17227.000	10.490	17230.000	10.490	17230.010	12.460	17234.000	12.470	17234.010
GR	16.410	17242.000	48.480	17307.020	9.190	17307.030	9.190	17307.040	9.210	17316.820
GR	9.270	17342.000	9.410	17404.000	10.010	17421.000	20.010	17459.000	21.010	17484.000
GR	21.910	17549.000	21.830	17620.000	21.010	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.035	17307.040	.110	18400.000	.000	.000	.000

New US 13/17

X1	192809.000	113.000	16391.950	17307.040	88.000	88.000	88.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
BT	-113.000	14509.990	20.010	20.000	14510.000	20.000	19.990	14528.000	20.010	10.000
BT	.000	14544.000	20.020	5.100	15322.000	20.580	5.900	15900.000	21.000	5.980
BT	.000	16042.000	27.430	6.000	16341.990	41.000	6.000	16342.000	41.000	6.000
BT	.000	16378.480	42.640	6.000	16391.950	43.230	6.000	16391.960	43.230	6.000
BT	.000	16391.970	43.230	36.730	16392.000	43.230	36.730	16442.000	45.600	39.100
BT	.000	16462.000	46.160	39.660	16465.000	46.240	39.740	16465.010	46.240	6.000
BT	.000	16469.000	46.360	6.000	16469.010	46.360	39.860	16492.000	47.000	40.500
BT	.000	16540.000	48.630	42.130	16540.010	48.630	6.000	16542.000	48.700	6.000
BT	.000	16544.000	48.770	6.000	16544.010	48.770	42.270	16592.000	50.400	43.900
BT	.000	16615.000	50.680	44.180	16615.010	50.680	6.000	16619.000	50.720	6.000
BT	.000	16619.010	50.720	44.220	16642.000	51.000	44.500	16690.000	53.400	46.900
BT	.000	16690.010	53.400	6.480	16692.000	53.500	6.500	16694.000	53.540	6.520
BT	.000	16694.010	53.540	47.040	16742.000	54.400	47.900	16765.000	54.450	47.950
BT	.000	16765.010	54.450	7.220	16768.990	54.450	7.260	16769.010	54.450	47.950
BT	.000	16792.000	54.500	48.000	16840.000	54.980	48.480	16840.010	54.980	7.940
BT	.000	16842.000	55.000	7.960	16844.000	55.000	7.980	16844.010	55.000	48.500
BT	.000	16846.000	55.000	48.500	16851.000	55.000	48.500	16855.000	55.000	48.500
BT	.000	16862.000	55.000	48.500	16892.000	55.000	48.500	16922.000	55.420	48.920
BT	.000	16942.000	55.700	49.200	16954.500	55.660	49.380	16954.510	55.880	49.380

BT	.000	16960.000	55.700	49.450	16960.010	55.950	11.210	16964.000	56.010	11.210
BT	.000	16964.010	56.010	49.510	16969.500	56.090	49.590	16969.510	56.090	49.590
BT	.000	16972.000	56.120	49.620	16982.000	56.260	49.760	16987.000	56.330	49.830
BT	.000	16992.000	56.400	49.900	16994.900	56.420	49.920	16995.000	56.420	49.920
BT	.000	17032.000	56.640	50.140	17041.990	56.700	50.200	17042.000	56.700	50.200
BT	.000	17053.000	56.630	50.130	17072.000	56.520	50.020	17078.900	56.480	49.980
BT	.000	17079.000	56.480	49.980	17087.000	56.430	49.930	17091.990	56.400	49.900
BT	.000	17092.000	56.400	49.900	17104.500	56.400	49.900	17104.510	56.400	49.900
BT	.000	17107.000	56.400	49.900	17110.000	56.400	49.900	17110.010	56.400	10.510
BT	.000	17114.000	56.400	10.510	17114.010	56.400	49.900	17119.500	56.400	49.900
BT	.000	17119.510	56.400	49.900	17122.000	56.400	49.900	17128.000	56.400	49.900
BT	.000	17133.000	56.400	49.900	17142.000	56.400	49.900	17154.000	56.400	49.900
BT	.000	17192.000	56.400	49.900	17226.990	55.700	49.200	17227.000	55.700	49.200
BT	.000	17230.000	55.540	49.140	17230.010	55.640	10.480	17234.000	55.560	12.450
BT	.000	17234.010	55.560	49.060	17242.000	55.400	48.900	17307.020	54.970	48.470
BT	.000	17307.030	54.970	28.820	17307.040	54.970	9.180	17316.820	54.800	9.200
BT	.000	17342.000	54.000	9.260	17404.000	53.110	9.400	17421.000	52.860	10.000
BT	.000	17459.000	52.320	20.000	17484.000	51.960	21.000	17549.000	51.020	21.900
BT	.000	17620.000	50.000	21.820	18400.000	21.020	21.000	.000	.000	.000
GR	20.000	14509.990	19.990	14510.000	10.000	14528.000	5.100	14544.000	5.900	15322.000
GR	5.980	15900.000	6.000	16042.000	6.000	16341.990	6.000	16342.000	6.000	16378.480
GR	6.000	16391.950	6.000	16391.960	36.730	16391.970	36.720	16392.000	14.780	16442.000
GR	6.000	16462.000	6.000	16465.000	6.000	16465.010	6.000	16469.000	6.000	16469.010
GR	6.000	16492.000	6.000	16540.000	6.000	16540.010	6.000	16542.000	6.000	16544.000
GR	6.000	16544.010	6.000	16592.000	6.000	16615.000	6.000	16615.010	6.000	16619.000
GR	6.000	16619.010	6.000	16642.000	6.480	16690.000	6.480	16690.010	6.500	16692.000
GR	6.520	16694.000	6.520	16694.010	7.000	16742.000	7.220	16765.000	7.220	16765.010
GR	7.260	16768.990	7.260	16769.010	7.480	16792.000	7.940	16840.000	7.940	16840.010
GR	7.960	16842.000	7.980	16844.000	7.980	16844.010	8.000	16846.000	7.000	16851.000
GR	2.640	16855.000	-5.000	16862.000	-20.000	16892.000	-27.000	16922.000	-26.000	16942.000
GR	-24.330	16954.500	11.210	16954.510	11.210	16960.000	11.210	16960.010	11.210	16964.000
GR	11.210	16964.010	11.210	16969.500	-22.330	16969.510	-22.000	16972.000	-22.000	16982.000
GR	14.000	16987.000	14.000	16992.000	14.000	16994.900	-21.000	16995.000	-20.000	17032.000
GR	-19.000	17041.990	-18.990	17042.000	-18.000	17053.000	-17.000	17072.000	-15.000	17078.900
GR	14.000	17079.000	14.000	17087.000	-11.940	17091.990	-12.000	17092.000	-3.650	17104.500
GR	10.510	17104.510	10.510	17107.000	10.510	17110.000	10.510	17110.010	10.510	17114.000
GR	10.510	17114.010	10.510	17119.500	-.200	17119.510	.140	17122.000	1.000	17128.000
GR	4.000	17133.000	7.000	17142.000	9.000	17154.000	9.000	17192.000	9.000	17226.990
GR	7.000	17227.000	10.480	17230.000	10.480	17230.010	12.450	17234.000	12.460	17234.010
GR	16.400	17242.000	48.470	17307.020	9.180	17307.030	9.180	17307.040	9.200	17316.820
GR	9.260	17342.000	9.400	17404.000	10.000	17421.000	20.000	17459.000	21.000	17484.000
GR	21.900	17549.000	21.820	17620.000	21.000	18400.000	.000	.000	.000	.000
NH	3.000	.110	16391.950	.040	17307.040	.110	18400.000	.000	.000	.000
X1	192810.000	113.000	16391.950	17307.040	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	21.000	.000
GR	20.440	14509.990	20.430	14510.000	10.440	14528.000	5.540	14544.000	6.340	15322.000
GR	6.440	15900.000	6.440	16042.000	6.440	16341.990	6.440	16342.000	6.440	16378.480
GR	6.440	16391.950	6.440	16391.960	6.440	16391.970	6.440	16392.000	6.440	16442.000
GR	6.440	16462.000	6.440	16465.000	6.440	16465.010	6.440	16469.000	6.440	16469.010
GR	6.440	16492.000	6.440	16540.000	6.440	16540.010	6.440	16542.000	6.440	16544.000
GR	6.440	16544.010	6.440	16592.000	6.440	16615.000	6.440	16615.010	6.440	16619.000
GR	6.440	16619.010	6.440	16642.000	6.920	16690.000	6.920	16690.010	6.940	16692.000
GR	6.960	16694.000	6.960	16694.010	7.440	16742.000	7.660	16765.000	7.660	16765.010

GR	- 700	16768.990	7.700	16769.010	7.920	16792.000	8.380	16840.000	8.380	16840.010
GR	8.400	16842.000	8.420	16844.000	8.420	16844.010	8.440	16846.000	7.440	16851.000
GR	3.080	16855.000	-4.560	16862.000	-19.560	16892.000	-26.560	16922.000	-25.560	16942.000
GR	-23.890	16954.500	-23.890	16954.510	-73.160	16960.000	-23.140	16960.010	-22.620	16964.000
GR	-22.620	16964.010	-21.890	16969.500	-21.890	16969.510	-21.560	16972.000	-21.560	16982.000
GR	14.440	16987.000	14.440	16992.000	14.440	16994.900	-20.560	16995.000	-19.560	17032.000
GR	-18.560	17041.990	-18.550	17042.000	-17.560	17053.000	-16.560	17072.000	-14.560	17078.900
GR	14.440	17079.000	14.440	17087.000	-11.500	17091.990	-11.560	17092.000	-3.210	17104.500
GR	-3.200	17104.510	-1.550	17107.000	-1.120	17110.000	-1.120	17110.010	-3.350	17114.000
GR	- 540	17114.010	230	17119.500	230	17119.510	580	17122.000	1.440	17128.990
GR	4.440	17133.000	7.440	17142.000	9.440	17154.000	9.440	17192.000	9.440	17226.990
GR	9.440	17227.000	9.450	17230.000	9.450	17230.010	9.460	17234.000	9.460	17234.010
GR	9.470	17242.000	9.620	17307.020	9.620	17307.030	9.620	17307.040	9.640	17316.820
GR	9.700	17342.000	9.840	17404.000	10.440	17421.000	20.440	17459.000	21.440	17484.000
GR	22.340	17549.000	22.260	17620.000	21.440	18400.000	.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	3.000	.110	16627.000	.040	17145.500	21.000	.110	17784.000	.000	.000
X1	192831.000	281.000	16627.000	17145.500	21.000	21.000	21.000	.000	.000	.000
X3	10.000	.000	.000	.090	.500	.000	.000	20.000	20.000	.000
GR	19.570	14279.000	19.570	14490.970	19.570	14490.980	19.570	14490.990	19.570	14491.000
GR	19.570	14491.010	19.570	14510.000	16.240	14516.000	9.570	14528.000	9.260	14529.000
GR	7.730	14534.000	7.730	14534.010	7.120	14536.000	7.120	14536.010	4.670	14544.000
GR	4.700	14578.000	4.700	14578.010	4.710	14580.000	4.710	14580.010	4.750	14622.000
GR	4.750	14622.010	4.750	14624.000	4.750	14624.010	4.800	14666.000	4.800	14666.010
GR	4.800	14668.000	4.800	14668.010	4.840	14710.000	4.840	14710.010	4.890	14756.010
GR	4.840	14712.010	4.890	14754.000	4.890	14754.010	4.890	14756.000	4.890	14756.010
GR	4.930	14798.000	4.930	14798.010	4.930	14800.000	4.930	14800.010	4.980	14842.000
GR	4.980	14842.010	4.980	14844.000	4.980	14844.010	5.020	14886.000	5.020	14886.010
GR	5.020	14888.000	5.020	14888.010	5.070	14930.000	5.070	14930.010	5.070	14932.000
GR	5.070	14932.010	5.110	14974.000	5.110	14974.010	5.110	14976.000	5.110	14976.010
GR	5.160	15018.000	5.160	15018.010	5.160	15020.000	5.160	15020.010	5.200	15062.000
GR	5.200	15062.010	5.200	15064.000	5.200	15064.010	5.250	15106.000	5.250	15106.010
GR	5.250	15108.000	5.250	15108.010	5.290	15150.000	5.290	15150.010	5.300	15152.000
GR	5.300	15152.010	5.340	15194.000	5.340	15194.000	5.340	15196.000	5.340	15196.010
GR	5.380	15238.000	5.380	15238.010	5.390	15240.000	5.390	15240.010	5.430	15282.000
GR	5.430	15282.010	5.430	15284.000	5.430	15284.010	5.470	15332.000	5.470	15332.000
GR	5.470	15326.010	5.470	15328.000	5.470	15328.010	5.480	15370.000	5.480	15370.010
GR	5.480	15372.000	5.480	15372.010	5.480	15414.000	5.480	15414.010	5.480	15416.000
GR	5.490	15416.010	5.490	15458.000	5.490	15458.010	5.490	15460.000	5.490	15460.010
GR	5.490	15502.000	5.500	15502.010	5.500	15504.000	5.500	15504.010	5.500	15546.000
GR	5.500	15546.010	5.500	15548.000	5.500	15548.010	5.510	15590.000	5.510	15590.010
GR	5.510	15592.000	5.510	15592.010	5.510	15634.070	5.510	15634.070	5.510	15636.000
GR	5.510	15636.010	5.520	15678.000	5.520	15680.000	5.520	15680.010	5.520	15680.010
GR	5.530	15722.000	5.530	15722.010	5.530	15724.000	5.530	15724.010	5.530	15766.000
GR	5.530	15766.010	5.530	15768.000	5.530	15768.010	5.540	15810.000	5.540	15810.010
GR	5.540	15812.000	5.540	15812.010	5.540	15854.000	5.540	15854.010	5.540	15856.000
GR	5.540	15856.010	5.550	15898.000	5.550	15898.010	5.550	15900.000	5.550	15900.010
GR	5.560	15942.000	5.560	15942.010	5.560	15944.000	5.560	15944.010	5.560	15986.000
GR	5.560	15986.010	5.560	15988.000	5.560	15988.010	5.570	16030.000	5.570	16030.010
GR	5.570	16032.000	5.570	16032.010	5.570	16074.000	5.570	16074.010	5.610	16120.000
GR	5.610	16076.000	5.610	16076.010	5.670	16118.000	5.670	16118.010	5.670	16120.000
GR	5.670	16120.010	5.730	16162.000	5.730	16164.000	5.730	16164.000	5.730	16164.010
GR	5.780	16206.000	5.780	16206.010	5.790	16208.000	5.790	16208.010	5.840	16250.000

GR	5.840	16250.010	5.840	16252.000	5.840	16252.010	5.900	16294.010
GR	5.900	16296.000	5.900	16296.010	5.950	16338.000	5.950	16340.000
GR	5.960	16340.010	6.010	16382.000	6.010	16382.010	6.010	16384.000
GR	6.070	16426.000	6.070	16427.000	6.070	16427.000	6.070	16428.000
GR	5.990	16470.000	5.990	16472.000	5.990	16472.000	5.910	16514.000
GR	5.910	16514.010	5.900	16516.000	5.900	16516.010	5.820	16558.010
GR	5.820	16560.000	5.820	16560.010	5.740	16602.010	5.740	16604.000
GR	5.740	16604.010	5.660	16646.000	5.660	16648.000	5.660	16648.010
GR	5.580	16690.000	5.580	16690.010	5.570	16692.010	5.500	16734.000
GR	5.500	16734.010	5.490	16736.000	5.490	16736.010	5.410	16778.000
GR	5.410	16780.000	5.410	16780.010	5.330	16822.000	5.330	16824.000
GR	5.330	16824.010	5.270	16854.500	1.130	16854.000	1.120	16856.010
GR	4.00	16868.010	5.970	16885.750	5.970	16885.760	7.140	16889.000
GR	8.310	16892.260	15.680	16912.700	16.580	16970.900	16.720	16980.000
GR	17.030	17000.000	17.340	17020.000	17.340	17020.010	17.490	17029.100
GR	7.990	17107.750	7.980	17107.760	6.840	17111.000	5.700	17114.250
GR	5.20	17132.000	5.30	17132.010	1.230	17134.000	1.230	17134.010
GR	7.570	17146.000	7.730	17176.000	7.730	17176.010	7.740	17178.000
GR	7.970	17220.000	7.970	17220.010	7.980	17222.000	7.980	17222.010
GR	8.210	17264.010	8.220	17266.000	8.220	17266.010	8.320	17264.000
GR	8.450	17308.990	8.450	17309.000	8.450	17309.010	8.970	17404.000
GR	19.570	17459.000	20.570	17484.000	20.790	17500.000	21.470	17549.000
GR	19.570	17784.000	.000	.000	.000	.000	.000	.000
MH	3.000	-110	16427.000	.035	17145.500	1.110	17784.000	.000
X1	192832.000	281.000	16427.000	17145.500	1.000	1.000	1.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000
BT	-281.000	14279.000	20.036	20.010	14490.970	21.400	20.010	20.000
BT	.000	14490.990	23.600	20.010	14491.000	23.600	20.010	20.010
BT	.000	14510.000	23.600	18.910	14516.000	23.600	18.910	14528.000
BT	.000	14525.000	23.600	18.910	14534.000	23.600	18.910	14534.010
BT	.000	14536.000	23.600	7.560	14536.010	23.600	18.910	14540.000
BT	.000	14578.000	23.600	18.910	14578.010	23.600	5.140	14580.000
BT	.000	14580.010	23.600	18.910	14622.000	23.600	18.910	14622.010
BT	.000	14624.000	23.610	5.190	14624.010	23.610	18.910	14666.000
BT	.000	14666.010	23.610	5.240	14668.000	23.610	5.240	14668.010
BT	.000	14710.000	23.610	18.920	14710.010	23.610	5.280	14712.000
BT	.000	14712.010	23.610	18.920	14754.000	23.610	18.920	14754.010
BT	.000	14756.000	23.610	5.330	14756.010	23.610	18.920	14798.000
BT	.000	14798.010	23.610	5.370	14800.000	23.610	14800.010	23.610
BT	.000	14842.000	23.620	18.930	14842.010	23.620	5.420	14844.000
BT	.000	14844.010	23.620	18.930	14886.000	23.620	18.930	14886.010
BT	.000	14888.000	23.620	5.460	14888.010	23.620	18.930	14930.000
BT	.000	14930.010	23.620	5.510	14932.000	23.620	5.510	14932.010
BT	.000	14974.000	23.620	18.930	14974.010	23.620	5.550	14976.000
BT	.000	14976.010	23.620	18.930	15018.000	23.620	18.930	15018.010
BT	.000	15020.000	23.620	5.600	15020.010	23.620	18.930	15062.000
BT	.000	15062.010	23.630	5.640	15064.000	23.630	5.640	15064.010
BT	.000	15106.000	23.630	18.940	15106.010	23.630	5.690	15108.000
BT	.000	15108.010	23.630	18.940	15150.000	23.630	18.940	15150.010
BT	.000	15152.000	23.630	5.740	15152.010	23.630	18.940	15194.000
BT	.000	15194.010	23.630	5.780	15196.000	23.630	5.780	15196.010
BT	.000	15238.000	23.640	18.950	15238.010	23.640	5.820	15240.000
BT	.000	15240.010	23.640	18.950	15282.000	23.640	18.950	15282.010

BT	.000	15284.000	23.640	5.870	15284.010	23.640	18.950	15322.000	23.640	18.950
BT	.000	15326.000	23.640	18.950	15326.010	23.640	5.910	15328.000	23.640	5.910
BT	.000	15328.010	23.640	18.950	15370.000	23.640	18.950	15370.010	23.640	5.920
BT	.000	15372.000	23.640	5.920	15372.010	23.640	18.950	15414.000	23.650	18.960
BT	.000	15414.010	23.650	5.920	15416.000	23.650	5.920	15416.010	23.650	18.960
BT	.070	15458.000	23.650	18.960	15458.010	23.650	5.930	15460.000	23.650	5.930
BT	.060	15460.010	23.650	18.960	15502.000	23.650	18.950	15502.010	23.650	5.940
BT	.006	15504.000	23.650	5.940	15504.010	23.650	18.960	15546.000	23.650	18.960
BT	.030	15546.010	23.650	5.940	15548.000	23.650	5.940	15548.010	23.650	18.960
BT	.000	15590.000	23.650	18.960	15590.010	23.650	5.950	15592.000	23.650	5.950
BT	.000	15592.010	23.650	18.960	15634.000	23.660	18.970	15634.010	23.660	5.950
BT	.000	15636.000	23.660	5.950	15636.010	23.660	18.970	15678.000	23.660	18.970
BT	.000	15678.010	23.660	5.960	15680.000	23.660	5.960	15680.010	23.660	18.970
BT	.000	15722.000	23.660	18.970	15722.010	23.660	5.970	15724.000	23.660	5.970
BT	.000	15724.010	23.660	18.970	15766.000	23.660	18.970	15766.010	23.660	5.970
BT	.000	15768.000	23.660	5.970	15768.010	23.660	18.970	15810.000	23.670	18.980
BT	.000	15810.010	23.670	5.980	15812.000	23.670	5.980	15812.010	23.670	18.980
BT	.000	15854.000	23.670	18.980	15854.010	23.670	5.980	15856.000	23.670	5.980
BT	.000	15856.010	23.670	18.980	15898.000	23.670	18.980	15898.010	23.670	5.990
BT	.000	15900.000	23.670	5.990	15900.010	23.670	18.980	15942.000	23.670	18.980
BT	.000	15942.010	23.670	6.000	15944.000	23.670	6.000	15944.010	23.670	18.980
BT	.000	15986.000	23.670	18.980	15986.010	23.670	6.000	15988.000	23.670	6.000
BT	.000	15988.010	23.670	18.980	16030.000	23.680	18.990	16030.010	23.680	6.010
BT	.000	16032.000	23.680	6.010	16032.010	23.680	18.990	16042.000	23.680	18.990
BT	.000	16074.000	23.680	18.990	16074.010	23.680	6.050	16076.000	23.680	6.050
BT	.000	16076.010	23.680	18.990	16118.000	23.680	18.990	16118.010	23.680	6.110
BT	.000	16120.000	23.680	6.110	16120.010	23.680	18.990	16162.000	23.680	18.990
BT	.000	16162.010	23.680	6.170	16164.000	23.680	6.170	16164.010	23.680	18.990
BT	.000	16206.000	23.690	19.000	16206.010	23.690	6.220	16208.000	23.690	6.230
BT	.000	16208.010	23.690	19.000	16250.000	23.690	19.000	16250.010	23.690	6.280
BT	.000	16252.000	23.690	6.280	16252.010	23.690	19.000	16294.000	23.690	19.000
BT	.000	16294.010	23.690	6.340	16296.000	23.690	6.340	16296.010	23.690	19.000
BT	.000	16338.000	23.690	19.000	16338.010	23.690	6.390	16340.000	23.690	6.400
BT	.000	16340.010	23.690	19.000	16382.000	23.690	19.000	16382.010	23.690	6.450
BT	.000	16384.000	23.690	6.450	16384.010	23.690	19.000	16426.000	23.700	19.010
BT	.000	16426.010	23.700	6.510	16427.000	23.700	6.510	16428.000	23.700	6.510
BT	.000	16428.010	23.700	19.010	16470.000	23.700	19.010	16470.010	23.700	6.430
BT	.000	16472.000	23.700	6.430	16472.010	23.700	19.010	16514.000	23.700	19.010
BT	.000	16514.010	23.700	6.350	16516.000	23.700	6.340	16516.010	23.700	19.010
BT	.000	16558.000	23.700	19.010	16558.010	23.700	6.260	16560.000	23.700	6.260
BT	.000	16560.010	23.700	19.010	16602.000	23.710	19.020	16602.010	23.710	6.180
BT	.000	16604.000	23.710	6.180	16604.010	23.710	19.020	16646.000	23.710	19.020
BT	.000	16646.010	23.710	6.100	16648.000	23.710	6.100	16648.010	23.710	19.020
BT	.000	16690.000	23.710	19.020	16690.010	23.710	6.020	16692.000	23.710	6.010
BT	.000	16692.010	23.710	19.020	16734.000	23.710	19.020	16734.010	23.710	5.940
BT	.000	16736.000	23.710	5.930	16736.010	23.710	19.020	16778.000	23.710	19.020
BT	.000	16778.010	23.710	5.850	16780.000	23.710	5.850	16780.010	23.710	19.020
BT	.000	16822.000	23.720	19.030	16822.010	23.720	5.770	16824.000	23.720	5.770
BT	.000	16824.010	23.720	19.030	16854.500	23.720	19.030	16866.000	23.720	19.030
BT	.000	16866.010	23.720	1.560	16868.000	23.720	.850	16868.010	23.720	19.030
BT	.000	16885.750	23.720	19.030	16885.760	23.720	-5.530	16889.000	23.720	-6.700
BT	.000	16892.250	23.720	-7.870	16892.260	23.720	19.030	16912.700	23.760	19.070
BT	.000	16970.900	23.850	19.160	16980.000	23.860	19.170	16980.010	23.860	-16.290
BT	.000	17000.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.170

BT	.000	17029.100	17087.300	23.760	19.070	17107.750	23.720	19.030
BT	.000	17107.760	17111.000	23.720	-6.400	17114.250	23.730	-5.260
BT	.000	17114.260	17132.000	23.760	19.070	17132.010	23.760	.970
BT	.000	17134.000	17134.010	23.760	19.070	17145.500	23.780	19.090
BT	.000	17146.000	17176.000	23.830	19.140	17176.010	23.830	8.170
BT	.000	17178.000	17178.010	23.840	19.150	17220.900	23.910	19.220
BT	.000	17220.010	17222.000	23.920	8.420	17222.010	23.920	19.230
BT	.000	17264.000	17264.010	23.990	8.650	17266.000	23.990	8.660
BT	.000	17266.010	17284.000	24.030	19.340	17308.980	24.070	19.380
BT	.000	17308.990	17309.000	21.870	8.890	17309.010	21.870	8.890
BT	.000	17404.000	17421.000	21.890	10.010	17459.000	21.890	20.010
BT	.000	17484.000	17500.000	21.900	21.230	17540.000	21.930	21.910
BT	.000	17683.000	17784.000	20.010	20.010	.000	.000	.000
GR	20.010	14279.000	20.010	14490.980	20.010	14490.990	20.010	14491.000
GR	18.910	14491.010	16.680	14516.000	10.010	14528.000	9.700	14529.000
GR	8.170	14534.000	7.560	14536.000	7.560	14536.010	5.110	14544.000
GR	5.140	14578.000	5.150	14580.000	5.150	14580.010	5.190	14622.000
GR	5.190	14622.010	5.190	14624.010	5.240	14666.000	5.240	14666.010
GR	5.240	14668.000	5.280	14710.000	5.280	14710.010	5.280	14712.000
GR	5.280	14712.010	5.330	14754.010	5.330	14756.000	5.330	14756.010
GR	5.370	14798.000	5.370	14800.000	5.370	14800.010	5.420	14842.000
GR	5.420	14842.010	5.420	14844.010	5.460	14886.000	5.460	14886.010
GR	5.460	14888.000	5.510	14930.000	5.510	14930.010	5.510	14932.000
GR	5.510	14932.010	5.550	14974.010	5.550	14976.000	5.550	14976.010
GR	5.600	15018.000	5.600	15020.000	5.600	15020.010	5.640	15062.000
GR	5.640	15062.010	5.640	15064.010	5.690	15106.000	5.690	15106.010
GR	5.690	15108.000	5.730	15150.000	5.730	15150.010	5.740	15152.000
GR	5.740	15152.010	5.780	15194.010	5.780	15196.000	5.780	15196.010
GR	5.820	15238.000	5.820	15238.010	5.830	15240.010	5.870	15282.000
GR	5.870	15282.010	5.870	15284.010	5.910	15322.000	5.910	15326.000
GR	5.910	15326.010	5.910	15328.000	5.910	15328.010	5.920	15370.010
GR	5.920	15372.000	5.920	15372.010	5.920	15414.000	5.920	15416.000
GR	5.920	15416.010	5.930	15458.000	5.930	15460.000	5.930	15460.010
GR	5.940	15502.000	5.940	15504.000	5.940	15504.010	5.940	15546.000
GR	5.940	15546.010	5.940	15548.000	5.950	15590.000	5.950	15590.010
GR	5.950	15592.010	5.950	15592.010	5.950	15634.000	5.950	15636.000
GR	5.950	15636.010	5.960	15678.000	5.960	15680.000	5.960	15680.010
GR	5.970	15722.000	5.970	15722.010	5.970	15724.010	5.970	15766.000
GR	5.970	15766.010	5.970	15768.000	5.980	15810.000	5.980	15810.010
GR	5.980	15812.000	5.980	15812.010	5.980	15854.010	5.980	15856.000
GR	5.980	15856.010	5.990	15898.000	5.990	15900.000	5.990	15900.010
GR	6.000	15942.000	6.000	15942.010	6.000	15944.010	6.000	15986.000
GR	6.000	15986.010	6.000	15988.010	6.000	16030.000	6.000	16030.010
GR	6.010	16032.000	6.010	16032.010	6.050	16074.000	6.050	16074.010
GR	6.050	16076.010	6.110	16118.000	6.110	16118.010	6.110	16120.000
GR	6.110	16120.010	6.170	16162.000	6.170	16164.000	6.170	16164.010
GR	6.220	16206.000	6.220	16206.010	6.230	16208.010	6.280	16250.000
GR	6.280	16250.010	6.280	16252.010	6.340	16294.000	6.340	16294.010
GR	6.340	16296.000	6.340	16296.010	6.390	16338.000	6.400	16340.000
GR	6.400	16340.010	6.450	16382.000	6.450	16384.000	6.450	16384.010
GR	6.510	16426.000	6.510	16426.010	6.510	16428.000	6.510	16428.010
GR	6.430	16470.000	6.430	16470.010	6.430	16472.010	6.350	16514.000
GR	6.350	16514.010	6.340	16516.000	6.340	16516.010	6.260	16558.010
GR	6.260	16560.000	6.180	16560.010	6.180	16602.000	6.180	16604.000

GR	6.180	16604.010	6.100	16646.000	6.100	16646.010	6.100	16648.000	6.100	*6648.010
GR	6.020	16690.000	6.020	16690.010	6.010	16692.000	6.010	16692.010	5.940	16734.000
GR	5.940	16734.010	5.930	16736.000	5.930	16736.010	5.850	16778.000	5.850	16778.010
GR	5.850	16780.000	5.850	16780.010	5.770	16822.000	5.770	16822.010	5.770	16824.000
GR	5.770	16824.010	5.710	16854.500	1.570	16866.000	1.560	16866.010	.850	16868.000
GR	.840	16868.010	-5.530	16885.750	-5.530	16885.760	-6.700	16889.000	-7.870	16892.250
GR	-7.870	16892.260	-15.240	16912.700	-16.140	16970.900	-16.290	16980.000	-16.290	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.050	17029.100	-14.740	17087.300
GR	-7.550	17107.750	-7.540	17107.760	-6.400	17111.000	-5.260	17114.250	-5.260	17114.260
GR	.960	17132.000	.970	17132.010	1.670	17134.000	1.670	17134.010	5.710	17145.500
GR	8.010	17146.000	8.170	17176.000	8.170	17176.010	8.180	17176.000	8.180	17178.010
GR	8.410	17220.000	8.410	17220.010	8.420	17222.000	8.420	17222.010	8.650	17264.000
GR	8.650	17264.010	8.660	17266.000	8.660	17266.010	8.760	17284.000	19.380	17308.980
GR	8.890	17308.990	8.890	17309.000	8.890	17309.010	9.410	17404.000	10.010	17421.000
GR	20.010	17459.000	21.010	17484.000	21.230	17500.000	21.910	17549.000	20.830	17683.000
GR	20.010	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.035	17145.500	.110	17784.000	.000	.000	.000

US 13/17

X1	192868.000	281.000	16427.000	17145.500	36.000	36.000	36.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
BT	-281.000	14279.000	20.020	20.000	14490.970	21.400	20.000	14490.980	23.600	20.000
BT	.000	14490.990	23.600	20.000	14491.000	23.600	20.000	14491.010	23.600	18.900
BT	.000	14510.000	23.600	18.900	14516.000	23.600	18.900	14528.000	23.600	18.900
BT	.000	14529.000	23.600	18.900	14534.000	23.600	18.900	14534.010	23.600	8.160
BT	.000	14536.000	23.600	7.550	14536.010	23.600	18.900	14544.000	23.600	18.900
BT	.000	14578.000	23.600	18.900	14578.010	23.600	5.130	14580.000	23.600	5.140
BT	.000	14580.010	23.600	18.900	14622.000	23.600	18.900	14622.010	23.600	5.180
BT	.000	14624.000	23.600	5.180	14624.010	23.600	18.900	14666.000	23.610	18.910
BT	.000	14666.010	23.610	5.230	14668.000	23.610	5.230	14668.010	23.610	18.910
BT	.000	14710.000	23.610	18.910	14710.010	23.610	5.270	14712.000	23.610	5.270
BT	.000	14712.010	23.610	18.910	14754.000	23.610	18.910	14754.010	23.610	5.320
BT	.000	14756.000	23.610	5.320	14756.010	23.610	18.910	14798.000	23.610	18.910
BT	.000	14798.010	23.610	5.360	14800.000	23.610	5.360	14800.010	23.610	18.910
BT	.000	14842.000	23.620	18.920	14842.010	23.620	5.410	14844.000	23.620	5.410
BT	.000	14844.010	23.620	18.920	14886.000	23.620	18.920	14886.010	23.620	5.450
BT	.000	14888.000	23.620	5.450	14888.010	23.620	18.920	14930.000	23.620	18.920
BT	.000	14930.010	23.620	5.500	14932.000	23.620	5.500	14932.010	23.620	18.920
BT	.000	14974.000	23.620	18.920	14974.010	23.620	5.540	14976.000	23.620	5.540
BT	.000	14976.010	23.620	18.920	15018.000	23.620	18.920	15018.010	23.620	5.540
BT	.000	15020.000	23.620	5.590	15020.010	23.620	18.920	15062.000	23.630	18.930
BT	.000	15062.010	23.630	5.630	15064.000	23.630	5.630	15064.010	23.630	18.930
BT	.000	15106.000	23.630	18.930	15106.010	23.630	5.680	15108.000	23.630	5.680
BT	.000	15108.010	23.630	18.930	15150.000	23.630	18.930	15150.010	23.630	5.720
BT	.000	15152.000	23.630	5.730	15152.010	23.630	18.930	15194.000	23.630	18.930
BT	.000	15194.010	23.630	5.770	15196.000	23.630	5.770	15196.010	23.630	18.930
BT	.000	15238.000	23.640	18.940	15238.010	23.640	5.810	15240.000	23.640	5.820
BT	.000	15240.010	23.640	18.940	15282.000	23.640	18.940	15282.010	23.640	5.860
BT	.000	15284.000	23.640	5.860	15284.010	23.640	18.940	15322.000	23.640	18.940
BT	.000	15326.000	23.640	18.940	15326.010	23.640	5.900	15328.000	23.640	5.900
BT	.000	15328.010	23.640	18.940	15370.000	23.640	18.940	15370.010	23.640	5.910
BT	.000	15372.000	23.640	5.910	15372.010	23.640	18.940	15414.000	23.650	18.950

BT	.000	15414.010	23.650	5.910	15416.000	23.650	5.910	15416.010	23.650	18.950
BT	.000	15458.000	23.650	18.950	15458.010	23.650	5.920	15460.000	23.650	5.920
BT	.000	15460.010	23.650	18.950	15502.000	23.650	18.950	15502.010	23.650	5.930
BT	.000	15504.000	23.650	5.930	15504.010	23.650	18.950	15546.000	23.650	18.950
BT	.000	15546.010	23.650	5.930	15548.000	23.650	5.930	15548.010	23.650	18.950
BT	.000	15590.000	23.650	18.950	15590.010	23.650	5.940	15592.000	23.650	5.940
BT	.000	15592.010	23.650	18.950	15634.000	23.660	18.960	15634.010	23.660	5.940
BT	.000	15636.000	23.660	5.940	15636.010	23.660	18.960	15678.000	23.660	18.960
BT	.000	15678.010	23.660	5.950	15680.000	23.660	5.950	15680.010	23.660	18.960
BT	.000	15722.000	23.660	18.960	15722.010	23.660	5.960	15724.000	23.660	5.960
BT	.000	15724.010	23.660	18.960	15766.000	23.660	18.960	15766.010	23.660	5.960
BT	.000	15768.000	23.660	5.960	15768.010	23.660	18.960	15810.000	23.670	18.970
BT	.000	15810.010	23.670	5.970	15812.000	23.670	5.970	15812.010	23.670	18.970
BT	.000	15854.000	23.670	18.970	15854.010	23.670	5.970	15856.000	23.670	5.970
BT	.000	15856.010	23.670	18.970	15898.000	23.670	18.970	15898.010	23.670	5.980
BT	.000	15900.000	23.670	5.980	15900.010	23.670	18.970	15942.000	23.670	18.970
BT	.000	15942.010	23.670	5.990	15944.000	23.670	5.990	15944.010	23.670	18.970
BT	.000	15986.000	23.670	18.970	15986.010	23.670	5.990	15988.000	23.670	5.990
BT	.000	15988.010	23.670	18.970	16030.000	23.680	18.980	16030.010	23.680	6.000
BT	.000	16032.000	23.680	6.000	16032.010	23.680	18.980	16042.000	23.680	18.980
BT	.000	16074.000	23.680	18.980	16074.010	23.680	6.040	16076.000	23.680	6.040
BT	.000	16076.010	23.680	18.980	16118.000	23.680	18.980	16118.010	23.680	6.100
BT	.000	16120.000	23.680	6.100	16120.010	23.680	18.980	16162.000	23.680	18.980
BT	.000	16162.010	23.680	6.160	16164.000	23.680	6.160	16164.010	23.680	18.980
BT	.000	16206.000	23.690	18.990	16206.010	23.690	6.210	16208.000	23.690	6.220
BT	.000	16208.010	23.690	18.990	16250.000	23.690	18.990	16250.010	23.690	6.270
BT	.000	16252.000	23.690	6.270	16252.010	23.690	18.990	16294.000	23.690	18.990
BT	.000	16294.010	23.690	6.330	16296.000	23.690	6.330	16296.010	23.690	18.990
BT	.000	16338.000	23.690	18.990	16338.010	23.690	6.380	16340.000	23.690	6.390
BT	.000	16340.010	23.690	18.990	16382.000	23.690	18.990	16382.010	23.690	6.440
BT	.000	16384.000	23.690	6.440	16384.010	23.690	18.990	16426.000	23.700	19.000
BT	.000	16426.010	23.700	6.500	16427.000	23.700	6.500	16428.000	23.700	6.500
BT	.000	16428.010	23.700	19.000	16470.000	23.700	19.000	16470.010	23.700	6.420
BT	.000	16472.000	23.700	6.420	16472.010	23.700	19.000	16514.000	23.700	19.000
BT	.000	16514.010	23.700	6.340	16516.000	23.700	6.330	16516.010	23.700	19.000
BT	.000	16558.000	23.700	19.000	16558.010	23.700	6.250	16560.000	23.700	6.250
BT	.000	16560.010	23.700	19.000	16602.000	23.710	19.010	16602.010	23.710	6.170
BT	.000	16604.000	23.710	6.170	16604.010	23.710	19.010	16646.000	23.710	19.010
BT	.000	16646.010	23.710	6.090	16648.000	23.710	6.090	16648.010	23.710	19.010
BT	.000	16690.000	23.710	19.010	16690.010	23.710	6.010	16692.000	23.710	6.000
BT	.000	16692.010	23.710	19.010	16734.000	23.710	19.010	16734.010	23.710	5.930
BT	.000	16736.000	23.710	5.920	16736.010	23.710	19.010	16778.000	23.710	19.010
BT	.000	16778.010	23.710	5.840	16780.000	23.710	5.840	16780.010	23.710	19.010
BT	.000	16822.000	23.720	19.020	16822.010	23.720	5.760	16824.000	23.720	5.760
BT	.000	16824.010	23.720	19.020	16854.500	23.720	19.020	16866.000	23.720	19.020
BT	.000	16866.010	23.720	1.550	16868.000	23.720	.840	16868.010	23.720	19.020
BT	.000	16885.750	23.720	19.020	16885.760	23.720	-5.540	16889.000	23.720	-6.710
BT	.000	16892.250	23.720	-7.880	16892.260	23.720	19.020	16912.700	23.760	19.060
BT	.000	16970.900	23.850	19.150	16980.000	23.860	19.160	16980.010	23.860	-16.300
BT	.000	17000.000	23.890	-16.590	17020.000	23.860	-16.900	17020.010	23.860	19.160
BT	.000	17029.100	23.850	19.150	17087.300	23.760	19.060	17107.750	23.720	19.020
BT	.000	17107.760	23.720	-7.560	17111.000	23.720	-6.410	17114.250	23.730	-5.280
BT	.000	17114.260	23.730	19.030	17132.000	23.760	19.060	17132.010	23.760	.960
BT	.000	17134.000	23.760	1.660	17134.010	23.760	19.060	17145.500	23.780	19.080

BT	.000	17146.000	19.080	17176.000	23.830	17176.010	19.130	17176.010	23.830	17176.010	8.160
BT	.000	17178.000	8.170	17178.010	23.840	17178.010	19.140	17220.000	23.910	17220.000	19.210
BT	.000	17220.010	8.400	17222.000	23.920	17222.000	8.410	17222.010	23.920	17222.010	19.220
BT	.000	17264.000	19.290	17264.010	23.990	17264.010	8.640	17266.000	23.990	17266.000	8.650
BT	.000	17266.010	19.290	17266.010	24.030	17266.010	19.330	17308.980	24.070	17308.980	19.370
BT	.000	17308.990	14.130	17309.000	21.870	17309.000	8.880	17309.010	21.870	17309.010	8.880
BT	.000	17404.000	9.400	17421.000	21.890	17421.000	10.000	17459.000	21.890	17459.000	20.000
BT	.000	17484.000	21.900	17500.000	21.900	17500.000	21.220	17549.000	21.910	17549.000	21.900
BT	.000	17683.000	20.820	17784.000	20.020	17784.000	20.000	14490.970	.000	14490.970	.000
GR	20.000	14279.000	14490.970	20.000	14490.980	14490.980	20.000	14490.970	20.000	14490.970	14491.000
GR	18.900	14491.010	14510.000	16.670	14516.000	14516.000	10.000	14528.000	9.690	14528.000	14529.000
GR	8.160	14534.000	14534.010	7.550	14536.000	14536.000	7.550	14536.010	5.100	14536.010	14544.000
GR	5.130	14578.000	14578.010	5.140	14580.000	14580.000	5.140	14580.010	5.180	14580.010	14622.000
GR	5.180	14622.010	14624.000	5.180	14624.010	14624.010	5.230	14666.000	5.230	14666.000	14666.010
GR	5.230	14668.000	14668.010	5.230	14668.010	14668.010	5.270	14710.000	5.270	14710.000	14712.000
GR	5.270	14712.010	14712.010	5.320	14754.000	14754.010	5.320	14756.000	5.320	14756.010	14756.010
GR	5.360	14798.000	14798.010	5.360	14800.000	14800.000	5.360	14800.010	5.410	14842.000	14842.000
GR	5.410	14842.010	14844.000	5.410	14844.010	14844.010	5.450	14886.000	5.450	14886.010	14886.010
GR	5.450	14888.000	14888.010	5.500	14930.000	14930.010	5.500	14930.010	5.500	14932.000	14932.000
GR	5.500	14932.010	15018.000	5.540	14974.000	14974.010	5.540	14976.000	5.540	14976.010	14976.010
GR	5.590	15018.000	15018.010	5.590	15020.000	15020.000	5.590	15020.010	5.630	15062.000	15062.000
GR	5.630	15062.010	15064.000	5.630	15064.010	15064.010	5.680	15106.000	5.680	15106.010	15106.010
GR	5.680	15108.000	15108.010	5.720	15150.000	15150.000	5.720	15150.010	5.730	15152.000	15152.000
GR	5.730	15152.010	15194.000	5.770	15194.010	15194.010	5.770	15196.000	5.770	15196.010	15196.010
GR	5.810	15238.000	15238.010	5.820	15240.000	15240.000	5.820	15240.010	5.860	15282.000	15282.000
GR	5.860	15282.010	15284.000	5.860	15284.010	15284.010	5.900	15322.000	5.900	15322.000	15322.000
GR	5.900	15326.010	15328.000	5.900	15328.010	15328.010	5.910	15370.000	5.910	15370.010	15370.010
GR	5.910	15372.000	15372.010	5.910	15414.000	15414.000	5.910	15414.010	5.910	15416.000	15416.000
GR	5.920	15416.010	15458.000	5.920	15458.010	15458.010	5.920	15460.000	5.920	15460.010	15460.010
GR	5.930	15502.000	15502.010	5.930	15504.000	15504.000	5.930	15504.010	5.930	15546.000	15546.000
GR	5.930	15546.010	15548.000	5.930	15548.010	15548.010	5.940	15590.000	5.940	15590.010	15590.010
GR	5.940	15592.000	15592.010	5.940	15634.000	15634.000	5.940	15634.010	5.940	15636.000	15636.000
GR	5.940	15636.010	15678.000	5.950	15678.010	15678.010	5.950	15680.000	5.950	15680.010	15680.010
GR	5.960	15722.000	15722.010	5.960	15724.000	15724.000	5.960	15724.010	5.960	15766.000	15766.000
GR	5.960	15766.010	15768.000	5.960	15768.010	15768.010	5.970	15810.000	5.970	15810.010	15810.010
GR	5.970	15812.000	15812.010	5.970	15854.000	15854.000	5.970	15854.010	5.970	15856.000	15856.000
GR	5.980	15856.010	15898.000	5.980	15898.010	15898.010	5.980	15900.000	5.980	15900.010	15900.010
GR	5.990	15942.000	15942.010	5.990	15944.000	15944.000	5.990	15944.010	5.990	15986.000	15986.000
GR	5.990	15986.010	15988.000	5.990	15988.010	15988.010	6.000	16030.000	6.000	16030.010	16030.010
GR	6.000	16032.000	16032.010	6.000	16042.000	16042.000	6.040	16074.000	6.040	16074.010	16074.010
GR	6.040	16076.000	16076.010	6.100	16118.000	16118.000	6.100	16118.010	6.100	16120.000	16120.000
GR	6.100	16120.010	16162.000	6.160	16162.010	16162.010	6.160	16164.000	6.160	16164.010	16164.010
GR	6.210	16206.000	16206.010	6.220	16208.000	16208.000	6.220	16208.010	6.270	16250.000	16250.000
GR	6.270	16250.010	16252.000	6.270	16252.010	16252.010	6.330	16294.000	6.330	16294.010	16294.010
GR	6.330	16296.000	16296.010	6.380	16338.000	16338.000	6.380	16338.010	6.390	16340.000	16340.000
GR	6.390	16340.010	16382.000	6.440	16382.010	16382.010	6.440	16384.000	6.440	16384.010	16384.010
GR	6.500	16426.000	16426.010	6.500	16427.000	16427.000	6.500	16428.000	6.500	16428.010	16428.010
GR	6.420	16470.000	16470.010	6.420	16472.000	16472.000	6.340	16514.000	6.340	16514.000	16514.000
GR	6.340	16514.010	16516.000	6.330	16516.010	16516.010	6.250	16558.000	6.250	16558.010	16558.010
GR	6.250	16560.000	16560.010	6.170	16602.000	16602.000	6.170	16602.010	6.170	16604.000	16604.000
GR	6.170	16604.010	16646.000	6.090	16646.010	16646.010	6.090	16648.000	6.090	16648.010	16648.010
GR	6.010	16690.000	16690.010	6.000	16692.000	16692.000	6.000	16692.010	5.930	16734.000	16734.000
GR	5.930	16734.010	16736.000	5.920	16736.010	16736.010	5.840	16778.000	5.840	16778.010	16778.010
GR	5.840	16780.000	16780.010	5.760	16822.000	16822.000	5.760	16822.010	5.760	16822.000	16822.000

GR	5.760	16824.010	5.700	16854.500	1.560	16866.000	1.550	16866.010	.840	16868.000
GR	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000	-7.880	16892.250
GR	-7.880	16892.260	-11.250	16912.700	-16.150	16970.900	-16.300	16980.000	-16.300	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.50	17107.760	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.9.0	17132.010	1.660	17134.000	1.560	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000	8.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	19.370	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16427.000	.040	17145.500	.110	17784.000	.000	.000	.000
X1	192869.000	281.000	16427.000	17145.500	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	20.000	20.000	.000
GR	20.000	14279.000	20.000	14490.970	20.000	14490.980	20.000	14490.990	20.000	14491.000
GR	20.000	14491.010	20.000	14510.000	16.670	14516.000	10.000	14528.000	9.690	14529.000
GR	8.160	14534.000	8.160	14534.010	7.550	14536.000	7.550	14536.010	5.100	14544.000
GR	5.130	14578.000	5.130	14578.010	5.140	14580.000	5.140	14580.010	5.180	14622.000
GR	5.180	14622.010	5.180	14624.000	5.180	14624.010	5.230	14666.000	5.230	14666.010
GR	5.230	14668.000	5.230	14668.010	5.270	14710.000	5.270	14710.010	5.270	14712.000
GR	5.270	14712.010	5.320	14754.000	5.320	14754.010	5.320	14756.000	5.320	14756.010
GR	5.360	14798.000	5.360	14798.010	5.360	14800.000	5.360	14800.010	5.410	14842.000
GR	5.410	14842.010	5.410	14844.000	5.410	14844.010	5.450	14886.000	5.450	14886.010
GR	5.450	14888.000	5.450	14888.010	5.500	14930.000	5.500	14930.010	5.500	14932.000
GR	5.500	14932.010	5.540	14974.000	5.540	14974.010	5.540	14976.000	5.540	14976.010
GR	5.590	15018.000	5.590	15018.010	5.590	15020.000	5.590	15020.010	5.630	15062.000
GR	5.630	15062.010	5.630	15064.000	5.630	15064.010	5.680	15106.000	5.680	15106.010
GR	5.680	15108.000	5.680	15108.010	5.720	15150.000	5.720	15150.010	5.730	15152.000
GR	5.730	15152.010	5.770	15194.000	5.770	15194.010	5.770	15196.000	5.770	15196.010
GR	5.810	15238.000	5.810	15238.010	5.820	15240.000	5.820	15240.010	5.860	15282.000
GR	5.860	15282.010	5.860	15284.000	5.860	15284.010	5.900	15322.000	5.900	15326.000
GR	5.900	15326.010	5.900	15328.000	5.900	15328.010	5.910	15370.000	5.910	15370.010
GR	5.910	15372.000	5.910	15372.010	5.910	15414.000	5.910	15414.010	5.910	15416.000
GR	5.910	15416.010	5.920	15458.000	5.920	15458.010	5.920	15460.000	5.920	15460.010
GR	5.920	15502.000	5.930	15502.010	5.930	15504.000	5.930	15504.010	5.930	15546.000
GR	5.930	15546.010	5.930	15548.000	5.930	15548.010	5.940	15590.000	5.940	15590.010
GR	5.940	15592.000	5.940	15592.010	5.940	15634.000	5.940	15634.010	5.940	15636.000
GR	5.940	15636.010	5.950	15678.000	5.950	15678.010	5.950	15680.000	5.950	15680.010
GR	5.960	15722.000	5.960	15722.010	5.960	15724.000	5.960	15724.010	5.960	15766.000
GR	5.960	15766.010	5.960	15768.000	5.960	15768.010	5.970	15810.000	5.970	15810.010
GR	5.970	15812.000	5.970	15812.010	5.970	15854.000	5.970	15854.010	5.970	15856.000
GR	5.970	15856.010	5.980	15898.000	5.980	15898.010	5.980	15900.000	5.980	15900.010
GR	5.990	15942.000	5.990	15942.010	5.990	15944.000	5.990	15944.010	5.990	15986.000
GR	5.990	15986.010	5.990	15988.000	5.990	15988.010	6.000	16030.000	6.000	16030.010
GR	6.000	16032.000	6.000	16032.010	6.000	16042.000	6.040	16074.000	6.040	16074.010
GR	6.040	16076.000	6.040	16076.010	6.100	16118.000	6.100	16118.010	6.100	16120.000
GR	6.100	16120.010	6.160	16162.000	6.160	16162.010	6.160	16164.000	6.160	16164.010
GR	6.210	16206.000	6.210	16206.010	6.220	16208.000	6.220	16208.010	6.270	16250.000
GR	6.270	16250.010	6.270	16252.000	6.270	16252.010	6.330	16294.000	6.330	16294.010
GR	6.330	16296.000	6.330	16296.010	6.380	16338.000	6.380	16338.010	6.390	16340.000
GR	6.390	16340.010	6.440	16382.000	6.440	16382.010	6.440	16384.000	6.440	16384.010
GR	6.500	16426.000	6.500	16426.010	6.500	16427.000	6.500	16428.000	6.500	16428.010

GR	6.420	16470.000	6.420	16470.010	6.420	16472.000	6.420	16472.010	6.340	16514.000
GR	6.340	16514.010	6.330	16516.000	6.330	16516.010	6.250	16558.000	6.250	16558.010
GR	6.250	16560.000	6.250	16560.010	6.170	16602.000	6.170	16602.010	6.170	16604.000
GR	6.170	16604.010	6.090	16646.000	6.090	16646.010	6.090	16648.000	6.090	16648.010
GR	6.010	16690.000	6.010	16690.010	6.000	16692.000	6.000	16692.010	5.930	16734.000
GR	5.930	16734.010	5.920	16736.000	5.920	16736.010	5.840	16778.000	5.840	16778.010
GR	5.840	16780.000	5.840	16780.010	5.760	16822.000	5.760	16822.010	5.760	16824.000
GR	5.760	16824.010	5.700	16854.500	1.560	16866.000	1.550	16866.010	.840	16868.000
GR	.830	16868.010	-5.540	16885.750	-5.540	16885.760	-6.710	16889.000	-7.880	16892.250
GR	-7.880	16892.260	-15.250	16912.700	-16.150	16970.900	-16.300	16980.000	-16.300	16980.010
GR	-16.590	17000.000	-16.900	17020.000	-16.900	17020.010	-17.060	17029.100	-14.750	17087.300
GR	-7.560	17107.750	-7.560	17107.760	-6.410	17111.000	-5.280	17114.250	-5.280	17114.260
GR	.950	17132.000	.960	17132.010	1.660	17134.000	1.660	17134.010	5.700	17145.500
GR	8.000	17146.000	8.160	17176.000	8.160	17176.010	8.170	17178.000	8.170	17178.010
GR	8.400	17220.000	8.400	17220.010	8.410	17222.000	8.410	17222.010	8.640	17264.000
GR	8.640	17264.010	8.650	17266.000	8.650	17266.010	8.750	17284.000	8.880	17308.980
GR	8.880	17308.990	8.880	17309.000	8.880	17309.010	9.400	17404.000	10.000	17421.000
GR	20.000	17459.000	21.000	17484.000	21.220	17500.000	21.900	17549.000	20.820	17683.000
GR	20.000	17784.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.110	16796.500	.040	17209.500	.110	33821.500	.000	.000	.000
ET	.000	.000	.000	.000	.000	14.410	.000	.000	.000	.000

Cross Section E

X1	220428.000	48.000	16796.500	17209.500	27559.000	27559.000	27559.000	.000	.000	.000
GR	30.000	15027.500	28.000	15143.500	26.000	15249.500	24.000	15307.500	22.000	15319.500
GR	20.000	15328.500	18.000	15336.500	16.000	15345.500	14.000	15354.500	12.000	15365.500
GR	10.000	15370.500	7.900	16173.500	8.000	16629.500	8.900	16796.500	8.000	16834.500
GR	6.000	16848.500	5.890	16852.490	5.900	16852.500	-23.760	16911.500	-24.560	16970.500
GR	-18.060	17029.500	-16.160	17088.500	5.890	17147.500	6.000	17158.500	8.000	17166.500
GR	9.000	17209.500	8.000	17289.500	7.200	17381.500	6.000	17339.500	5.800	17551.500
GR	5.500	17911.500	5.500	23521.500	5.500	24631.500	6.560	25011.500	9.840	25331.500
GR	11.490	25541.500	9.840	25751.500	6.560	26827.500	6.560	31093.500	6.560	32345.500
GR	13.120	32517.500	13.120	33445.500	19.690	33545.500	26.250	33615.500	32.810	33665.500
GR	39.370	33725.500	45.930	33765.500	52.490	33821.500	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	3.000	.110	16865.500	.050	17191.500	.110	40739.500	.000	.000	.000

Cross Section F

X1	232663.000	43.000	16865.500	17191.500	12235.000	12235.000	12235.000	.000	.000	.000
GR	28.900	16346.500	28.000	16436.500	28.000	16606.500	28.000	16684.500	28.000	16736.500
GR	28.000	16751.500	26.000	16760.500	24.000	16767.500	22.000	16775.500	20.000	16787.500
GR	18.000	16800.500	16.000	16824.500	14.000	16847.500	12.000	16856.500	10.000	16865.500
GR	8.000	16871.500	7.150	16872.500	-13.900	16923.500	-17.800	16974.500	-12.290	17025.500
GR	-15.190	17076.500	7.150	17127.500	8.000	17136.500	10.000	17163.500	10.500	17191.500
GR	10.000	17333.500	8.000	17803.500	8.000	18133.500	6.000	19225.500	6.000	20435.500
GR	6.100	29715.500	6.560	30335.500	9.840	30825.500	11.480	31051.500	9.840	31281.500
GR	6.560	31693.500	6.560	32313.500	9.840	32523.500	9.840	36903.500	13.120	40579.500
GR	19.690	40637.500	26.250	40677.500	32.810	40739.500	.000	.000	.000	.000

THIS RUN EXECUTED 01-09-89 16:03:01

 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

Roanoke River

SUMMARY PRINTOUT TABLE 110

SECNO	CVSEL	DIFKWS	EG	TOPWID	QLCS	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
151325.000	8.18	-1.82	8.20	32355.04	4.15	12214.12	36781.73	.00	.00	5882.50	6126.50	.00
151325.000	9.18	1.00	9.19	25317.00	.00	11069.50	37930.50	25317.00	5883.00	5882.50	6126.50	31200.00
162262.000	8.81	.00	8.83	28765.80	2649.01	11977.08	34373.91	.00	.00	11847.00	12158.00	.00
162262.000	9.71	.90	9.73	18652.96	.00	13157.54	35842.46	.25	11847.00	11847.00	12158.00	30499.96
171586.000	9.44	.00	9.45	27732.51	10006.23	10474.25	28519.51	.00	.00	11893.00	12285.00	.00
171586.000	10.37	.93	10.38	19880.72	10592.00	11717.94	26690.06	20015.00	7098.00	11893.00	12285.00	27113.00
181325.000	10.12	.00	10.13	25160.21	28430.79	10744.79	9824.42	.00	.00	16800.00	17173.00	.00
181325.000	11.06	.94	11.08	16555.59	29998.81	12030.30	6970.88	.24	5049.02	16800.00	17173.00	21604.61
192720.000	11.82	.00	12.17	898.45	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192720.000	12.72	.89	13.02	898.75	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192721.000	11.76	.00	12.23	767.05	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192721.000	12.66	.90	13.07	771.23	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192809.000	11.84	.00	12.31	767.45	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192809.000	12.73	.88	13.13	771.54	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192810.000	11.97	.00	12.34	898.36	.00	49000.00	.00	.00	.00	16391.95	17307.04	.00
192810.000	12.84	.87	13.16	898.65	.00	49000.00	.00	.00	16391.95	16391.95	17307.04	17307.04
192831.000	11.97	.00	12.37	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192831.000	12.84	.87	13.19	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192832.000	11.86	.00	12.48	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192832.000	12.74	.88	13.28	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
192868.000	11.89	.00	12.51	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192868.000	12.77	.88	13.31	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50

SECNO	CWSEL	DIFKMS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
192869.000	12.16	.00	12.57	718.50	.00	49000.00	.00	.00	.00	16427.00	17145.50	.00
192869.000	12.99	.83	13.36	718.50	.00	49000.00	.00	.00	16427.00	16427.00	17145.50	17145.50
220428.000	14.50	.00	14.51	18114.32	1823.78	13768.02	33408.20	.00	.00	16796.50	17209.50	.00
220428.000	15.43	.92	15.44	12154.49	.00	15610.11	33389.89	.20	16796.50	16796.50	17209.50	28950.99
232663.000	14.82	.00	14.82	23756.37	7.58	7793.20	41199.22	.00	.00	16865.50	17191.50	.00
232663.000	15.79	.97	15.79	13423.56	.00	8906.83	40093.17	.24	16865.50	16865.50	17191.50	30289.06
241047.000	15.11	.00	15.11	22889.59	1.22	6808.29	42190.49	.00	.00	16862.00	17157.00	.00
241047.000	16.12	1.01	16.13	11902.95	.00	7890.86	41109.14	.25	16862.00	16862.00	17157.00	28764.95

FLOODWAY DATA, Roanoke River
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
151325.000	25317.	149713.	.3	9.2	8.2	1.0
162262.000	18653.	108219.	.5	9.7	8.8	.9
171586.000	20015.	110549.	.4	10.3	9.4	.9
181325.000	16556.	102607.	.5	11.0	10.1	.9
192720.000	915.	11178.	4.4	12.7	11.8	.9
192721.000	915.	9590.	5.1	12.7	11.8	.9
192809.000	915.	9641.	5.1	12.7	11.8	.9
192810.000	915.	10913.	4.5	12.9	12.0	.9
192831.000	719.	10270.	4.8	12.9	12.0	.9
192832.000	719.	8298.	5.9	12.8	11.9	.9
192868.000	719.	8319.	5.9	12.8	11.9	.9
192869.000	719.	10074.	4.9	13.0	12.2	.8
220428.000	12154.	117489.	.4	15.4	14.5	.9
232663.000	13424.	128416.	.4	15.8	14.8	1.0
241047.000	11903.	108761.	.5	16.1	15.1	1.0

\$JOB 72202ZWF1 1047EJ EJ OUT=1047EJ*WFOUT PR=6 TI=300
\$MO,PS=255
\$*BRUN,72202Z

1100, 1 NO

2353D\COE.H5<

C	47	
C	1	MOUTH OF ROANOKE RIVER, BATCHELOR BAY
C	17900	*** NC HIGHWAY 45 ***
C	37000	*** SECTION 31A *** PLYMOUTH, NC
C	64800	*** SECTION 31 ***
C	84500	*** SECTION 30 ***
C	99300	*** SECTION 29 *** JAMESVILLE, NC
C	119200	*** SECTION 28B ***
C	134200	*** SECTION 28A ***
C	142600	*** SECTION 28 ***
C	157500	*** SECTION 27 ***
C	177400	*** SECTION 26A ***
C	192850	*** SECTION 26 *** US HWY 17 @ WILLIAMSTON, NC
C	226200	*** SECTION 25 ***
C	240300	*** SECTION 24 ***
C	268100	*** SECTION 22 ***
C	277600	*** SECTION 21 ***
C	292100	*** SECTION 20A ***
C	300200	*** SECTION 201 *** FORT BRANCH
C	311500	*** SECTION 20 *** HAMILTON, NC
C	329000	*** SECTION 19 ***
C	340200	*** SECTION 18A ***
C	354216	*** SECTION 18 *** NC HWY 11
C	364900	*** SECTION 17A ***
C	374180	*** SECTION 17 ***
C	383000	*** SECTION 16A ***
C	396500	*** SECTION 16 *** NEAR PALMYRA, NC
C	411460	*** SECTION 15 ***
C	424280	*** SECTION 14 ***
C	450700	*** SECTION 13 ***
C	470793	*** SECTION 12 *** ABANDONED ACL RR BRIDGE
C	481100	*** SECTION 11 *** TEMPLE FARM
C	498760	*** SECTION 10 ***
C	513977	*** SECTION 9 *** US HWY 258 (USGS GAGE, 80 FT UPSTREAM)
C	528400	VALLEY SECTION 8
C	546400	VALLEY SECTION 7,BELOW CALEDONIA STATE FARM
C	546400	CALEDONIA DIKE NON-EFFECTIVE FOR SEPT 1945 FLOOD
C	564000	VALLEY SECTION 6,ABOVE CALEDONIA STATE FARM
C	564000	CALEDONIA DIKE NON-EFFECTIVE FOR SEPT 1945 FLOOD
C	582300	VALLEY SECTION 5
C	594420	VALLEY SECTION 4
C	612420	VALLEY SECTION 3,NEAR HALIFAX,NC
C	635420	VALLEY SECTION 2
C	657700	VALLEY SECTION 1,AT WELDON SEWAGE TREATMENT PLANT
C	661550	ROANOKE RAPIDS 1, BELOW WELDON,NC
C	664186	BRIDGE SECTION,NEW US HWY 301-158
C	664417	ROANOKE RAPIDS 3,SCL RR BRIDGE
C	665027	ROANOKE RAPIDS 4,SCL RR BRIDGE

← APPROXIMATELY 10 MILES ABOVE WILLIAMSTON

T1	LOWER ROANOKE RIVER			
T2	JOHN H KERR 216 STUDY			
T3	20000 CFS, NO ET CARDS 5/82 CWF			

J1		2											
J2	1	0	-1										
NC	0.09	0.09	0.03	0.1	0.3								
QT	4	20000	35000	111000	209000								
X1	1	22	280	12680									
GR	20.0	1	0.5	70	-4.0	280	-6.0	720	-9.0	1020			
GR	-7.0	2900	-6.0	3820	-6.0	5480	-8.0	7420	-6.0	10500			
GR	-28.0	10550	-12.0	10750	-6.0	10800	-6.0	11500	-4.0	12680			
GR	0.5	13000	1.0	22080	5.0	22180	10.0	22300	10.0	25750			
GR	15.0	26080	17.0	26200									
X1	2000	22	3820	10800	1999	1999	1999						

NOTE:
STATIONING ON X1 CARD
IS IN FEET ABOVE MOUTH

GR	20.0	1	0.5	70	-4.0	280	-6.0	720	-9.0	1020
GR	-7.0	2900	-6.0	3820	-6.0	5480	-8.0	7420	-6.0	10500
GR	-28.0	10550	-12.0	10750	-6.0	10800	-6.0	11500	-4.0	12680
GR	0.5	13000	1.0	22080	5.0	22180	10.0	22300	10.0	25750
GR	15.0	26080	17.0	26200						
NH	9	0.09	5800	0.030	6700	0.09	7350	0.030	8055	0.09
NH	9428	0.030	10060	0.09	10330	0.030	10970	0.09	21800	
X1	17900	50	10330	10970	13500	12200	15900			
GR	31.0	1	25.0	350	5.0	650	1.0	700	1.0	5800
GR	0.0	5830	-20.0	5860	-30.0	6140	-27.0	6200	-8.0	6350
GR	1.0	6700	1.0	7350	-3.0	7530	-12.0	7680	-21.0	7750
GR	-27.0	7955	-26.0	7970	1.0	8055	1.0	8630	2.0	8860
GR	2.0	9230	1.0	9430	-3.0	9690	-9.0	9760	-16.0	9910
GR	-22.0	9950	-19.0	9990	-4.0	10010	1.0	10060	2.0	10130
GR	2.0	10330	-1.0	10360	-27.0	10410	-28.0	10430	-19.0	10480
GR	-16.0	10530	-14.0	10630	-3.0	10810	0.0	10950	2.0	10970
GR	1.0	12000	1.0	14500	5.0	14600	5.0	16300	1.0	16400
GR	1.0	19550	5.0	19650	15.0	19800	15.0	21250	20.0	21800
NH	7	0.09	1000	0.030	1200	0.09	14150	0.030	14550	0.09
NH	20430	0.030	20920	0.09	26900					
QT	4	20000	35000	114000	221000					
X1	37000	30	20430	20920	16000	18000	19100			
GR	25.0	1	5.0	300	1.0	400	1.0	1000	-20.0	1050
GR	-20.0	1150	1.0	1200	0.5	14150	-21.0	14200	-21.0	14500
GR	0.5	14550	0.5	20430	-2.8	20450	-3.8	20470	-6.4	20510
GR	-16.4	20610	-20.1	20650	-23.1	20690	-25.0	20730	-26.6	20810
GR	-26.6	20830	-13.2	20910	0.0	20915	2.0	20920	5.0	20950
GR	5.0	21000	15.0	21250	15.0	25250	20.0	26700	22.0	26900
NC	0.09	0.09	0.030							
X1	64800	24	2770	3345	21000	23000	27800			
GR	27.9	900	24.1	1016	1.7	1164	1.0	1300	1.0	2600
GR	1.7	2770	-1.8	2800	-15.1	2825	-20.8	2850	-32.9	2875
GR	-38.9	2900	-30.8	2975	-18.8	3050	-12.6	3100	-10.7	3125
GR	-2.8	3175	-1.4	3325	-0.6	3340	0.8	3345	0.5	3400
GR	0.5	17350	5.0	17390	5.0	18000	30.0	18420		
X1	84500	16	21500	22114	11000	11000	19700			
GR	25.0	3870	5.0	4050	0.8	4100	0.9	20000	0.6	20200
GR	0.5	20500	-0.3	20800	0.6	21000	1.2	21300	1.3	21500
GR	-18.7	21600	-13.9	21975	-4.3	22000	0.2	22114	2.6	22176
GR	37.2	22300								
QT	4	20000	35000	115000	227000					
X1	99300	13	31500	31900	8000	14800	14800			
GR	25.0	3400	5.0	3870	5.0	10120	2.0	10200	0.8	31500
GR	-16.5	31550	-18.5	31600	-20.2	31800	-15.3	31850	-1.7	31875
GR	1.1	31900	3.2	31949	41.1	32019				
NH	5	0.09	20000	0.030	20330	0.09	23830	0.040	23990	0.09
NH	29000									
X1	119200	23	20000	20330	4400	9000	19900			
GR	25.0	400	10.0	680	5.0	820	5.0	7100	2.0	7700
GR	2.0	20000	-11.0	20020	-12.4	20040	-11.3	20080	-13.0	20140
GR	-12.0	20200	-10.1	20260	-10.8	20300	-7.0	20320	2.0	20330
GR	2.0	23830	-15.0	23850	-20.0	23890	-15.0	23930	2.0	23990
GR	5.0	25600	5.0	28550	35.0	29000				
NH	5	0.09	10000	0.030	10270	0.09	25170	0.040	25330	0.09
NH	32950									
X1	1134200	21	10000	10270	3800	3600	15000			
GR	25.0	2250	10.0	2480	5.0	2850	5.0	9400	2.8	10000
GR	-11.5	10020	-14.0	10032	-16.8	10100	-17.1	10140	-15.4	10230
GR	-6.5	10260	2.8	10270	2.5	25170	-14.5	25190	-19.5	25230
GR	-14.5	25270	2.5	25330	2.5	26650	5.0	27150	5.0	32450
GR	25.0	32950								
NH	5	0.09	2449	0.030	2665	0.09	23220	0.040	23380	0.09
NH	34900									
X1	142600	22	2449	2665	6400	6200	8400			
GR	24.8	400	20.1	500	14.2	560	9.8	1300	10.1	2428
GR	3.4	2449	-17.9	2490	-18.4	2515	-16.7	2615	3.6	2665

GR	3.0	3300	3.0	4200	3.0	23220	-14.0	23240	-19.0	23280
GR	-14.0	23320	3.0	23380	3.0	24700	5.0	25650	5.0	34350
GR	10.0	34650	30.0	34900						
NH	5	0.10	1305	0.030	1582	0.10	13940	0.040	14100	0.10
NH	30600									
X1157500		29	1355	1582	14900	9500	14900			
GR	24.7	100	22.7	500	19.6	800	17.1	900	17.1	1000
GR	9.6	1200	6.2	1242	4.8	1300	4.6	1355	-24.6	1413
GR	-24.6	1438	-23.6	1463	-20.2	1513	-19.3	1538	5.0	1582
GR	3.6	1900	4.5	2200	3.5	2300	4.1	2500	4.0	3200
GR	4.0	13940	-13.0	13960	-16.0	14000	-13.0	14040	4.0	14100
GR	4.0	20700	5.0	20800	5.0	30180	30.0	30600		
NC	0.11	0.11	0.040							
QT	4	20000	35000	116000	234000					
X1177400		22	20000	20300	11000	9000	19900			
GR	25.0	9000	5.0	9180	4.0	20000	-10.0	20010	-11.8	20030
GR	-16.3	20050	-19.1	20070	-20.3	20090	-20.0	20110	-20.4	20130
GR	-18.3	20150	-15.4	20170	-15.3	20190	-11.1	20210	-10.4	20230
GR	-11.1	20250	-12.5	20270	-12.5	20290	6.0	20300	5.0	23500
GR	6.0	32200	25.0	32600						
X1192500		55	18657	18947	10300	12700	15100			
GR	25.0	1	20.5	37	16.2	47	12.6	600	9.9	900
GR	9.2	1200	10.9	1300	8.1	1347	6.7	1352	7.9	1600
GR	8.4	1626	10.4	1700	9.5	5600	9.6	5644	10.3	5800
GR	10.0	6075	-7.2	6100	2.4	6176	9.6	6200	8.9	6500
GR	10.2	6700	9.7	6800	7.6	6836	10.0	6840	8.0	8440
GR	6.4	8442	6.3	8600	4.0	8606	6.7	8616	6.5	8861
GR	8.0	8862	7.6	12200	6.4	12277	4.5	12300	5.7	12400
GR	5.6	12697	7.3	13300	5.2	16300	5.8	16340	5.0	16350
GR	6.5	18000	8.5	18657	2.1	18668	-23.2	18725	-28.2	18750
GR	-27.0	18775	-15.6	18875	-12.4	18900	2.3	18939	7.9	18947
GR	11.8	19115	13.0	19250	13.0	21750	20.0	21880	26.0	22000
NC	0.11	0.11	0.040	0.3	0.5					
X1192750		62	18657	18947	250	250	250			
GR	25.0	1	21.0	2	20.3	600	20.1	900	20.1	1200
GR	20.6	1340	8.1	1347	6.7	1352	7.9	1600	8.4	1626
GR	20.5	1627	20.3	4700	19.2	5600	9.6	5644	10.3	5800
GR	10.0	6075	-7.2	6100	2.4	6176	9.6	6200	8.9	6500
GR	10.2	6700	9.7	6800	7.6	6836	19.3	6840	20.3	7200
GR	20.3	7500	19.8	7800	19.9	8440	6.4	8442	6.3	8600
GR	4.0	8606	6.7	8616	6.5	8861	19.9	8862	19.5	12276
GR	6.4	12277	4.5	12300	5.7	12400	5.6	12697	19.5	12698
GR	19.5	13000	19.2	14200	18.9	14500	18.9	15700	19.3	16000
GR	21.7	16339	5.8	16365	5.1	16600	6.5	16000	8.5	18657
GR	2.1	18668	-23.2	18725	-28.2	18750	-27.0	18775	-15.6	18875
GR	-12.4	18900	2.3	18939	7.9	18947	11.8	19114	22.1	19116
GR	22.1	21900	26.0	22000						
X1192850		62	18657	18947	100	100	100			
GR	25.0	1	21.0	2	20.8	600	20.1	900	20.1	1200
GR	20.6	1340	8.1	1347	6.7	1352	7.9	1600	8.4	1626
GR	20.5	1627	20.3	4700	19.2	5600	9.6	5644	10.3	5800
GR	10.0	6075	-7.2	6100	2.4	6176	9.6	6200	8.9	6500
GR	10.2	6700	9.7	6800	7.6	6836	19.3	6840	20.3	7200
GR	20.3	7500	19.8	7800	19.9	8440	6.4	8442	6.3	8600
GR	4.0	8606	6.7	8616	6.5	8861	19.9	8862	19.5	12276
GR	6.4	12277	4.5	12300	5.7	12400	5.6	12697	19.5	12698
GR	19.5	13000	19.2	14200	18.9	14500	18.9	15700	19.3	16000
GR	21.7	16339	5.8	16365	5.1	16600	6.5	18000	8.5	18657
GR	2.1	18668	-23.2	18725	-28.2	18750	-27.0	18775	-15.6	18875
GR	-12.4	18900	2.3	18939	7.9	18947	11.8	19114	22.1	19116
GR	22.1	21900	26.0	22000						
X1193000		55	18657	18947	150	150	150			
GR	25.0	1	20.5	37	16.2	47	12.6	600	9.9	900
GR	9.2	1200	10.9	1300	8.1	1347	6.7	1352	7.9	1600
GR	8.4	1626	10.4	1700	9.5	5600	9.6	5644	10.3	5800
GR	10.0	6075	-7.2	6100	2.4	6176	9.6	6200	8.9	6500

GR 10.2	6700	9.7	6800	7.6	6836	10.0	6840	8.0	8440
GR 6.4	8442	6.3	8600	4.0	8606	6.7	8616	6.5	8861
GR 8.0	8862	7.6	12200	6.4	12277	4.5	12300	5.7	12400
GR 5.6	12697	7.3	13300	5.2	16300	5.8	16340	5.0	16350
GR 6.5	18000	8.5	18657	2.1	18668	-23.2	18725	-28.2	18750
GR -27.0	18775	-15.6	18875	-12.4	18900	2.3	18939	7.9	18947
GR 11.8	19115	13.0	19250	13.0	21750	20.0	21880	26.0	22000
NC 0.11	0.11	0.050	0.1	0.3					
X1226200	25	1575	1830	8000	9000	33200			
GR 37.0	1507	10.3	1546	9.2	1575	2.0	1590	-2.0	1610
GR -3.1	1625	-17.2	1650	-23.1	1675	-21.2	1700	-18.0	1725
GR -14.6	1775	-9.1	1800	0.0	1822	10.4	1830	8.9	2000
GR 6.4	2900	8.0	12250	9.0	13000	12.0	13350	12.0	15600
GR 8.0	15700	7.0	17200	7.0	20750	13.0	22200	50.0	22500
NC 0.12	0.12	0.050							
X1240300	32	6592	6887	13000	9000	14100			
GR 28.6	6500	26.7	6538	16.7	6566	15.5	6579	9.2	6592
GR 6.0	6603	-2.9	6625	-14.6	6650	-19.8	6675	-20.0	6700
GR -17.8	6725	-15.6	6775	-14.6	6800	-13.0	6825	-8.3	6850
GR 5.8	6883	10.6	6887	10.0	8900	8.0	9750	7.0	10150
GR 7.0	19100	8.0	21180	10.0	21420	13.0	21670	13.0	22420
GR 10.0	23000	10.0	24320	13.0	24550	13.0	28700	20.0	30200
GR 26.0	30800	33.0	31000						
X1268100	24	21395	21683	17000	14000	27800			
GR 33.0	9000	20.0	9300	16.8	10400	15.7	13100	9.4	13700
GR 8.9	16800	12.0	19100	9.1	20300	13.4	21300	11.2	21395
GR 4.4	21415	-6.6	21450	-8.2	21500	-9.1	21575	-10.4	21600
GR -10.9	21625	-14.4	21650	0.2	21678	14.1	21683	12.2	21900
GR 8.4	24200	8.7	25700	10.2	26000	43.0	26100		
X1277600	27	21477	21728	8000	7000	9500			
GR 35.0	4650	70.0	4850	16.0	5450	16.0	7750	70.0	7900
GR 20.0	9300	13.0	9650	10.0	12300	10.0	20300	12.3	20600
GR 13.8	21477	9.9	21482	9.1	21494	-4.1	21527	-7.3	21552
GR -15.1	21577	-16.3	21602	-16.3	21627	-20.1	21652	-20.0	21677
GR 3.8	21722	13.8	21728	14.8	21740	23.2	21769	30.1	21848
GR 38.8	21886	45.6	21977						
X1292100	29	20000	20300	9000	10000	14500			
GR 34.0	1300	26.0	1600	20.0	1800	16.0	2050	16.0	5950
GR 13.0	6100	13.0	12000	10.0	12250	10.0	18500	13.0	18850
GR 16.0	19300	16.0	20000	0.5	20020	-7.0	20060	-6.7	20080
GR -7.7	20100	-10.7	20120	-10.6	20140	-11.8	20160	-12.5	20180
GR -12.6	20200	-11.1	20220	-11.6	20240	-11.6	20260	-5.8	20280
GR 0.5	20290	13.0	20300	13.0	22150	60.0	22300		
X1300200	22	30328	30573	5000	7300	8100			
GR 40.0	5500	33.0	5700	20.0	7950	20.0	8650	18.0	9000
GR 17.0	10650	15.0	12450	13.0	12550	13.0	18850	13.0	25050
GR 13.0	30000	12.8	30328	-12.3	30375	-14.7	30400	-15.6	30475
GR -17.7	30495	-11.8	30520	0.6	30545	13.2	30552	26.8	30573
GR 45.8	30591	50.1	30600						
QT 4	20000	35000	118000	240000					
X1311500	25	31406	31650	7000	11300	11300			
GR 35.0	4850	26.0	5200	20.0	5350	20.0	10150	16.0	10300
GR 16.0	14300	13.0	17200	13.0	22500	16.0	28650	16.9	30300
GR 14.6	30900	15.2	31200	17.1	31382	15.3	31406	0.2	31432
GR -4.4	31446	-10.7	31471	-12.3	31496	-11.5	31521	-12.5	31571
GR -11.7	31596	-4.3	31621	4.4	31639	15.2	31650	46.7	31693
X1329000	37	18977	19269	7000	10000	17500			
GR 35.0	1	20.0	250	20.0	4600	18.0	5200	16.0	11000
GR 14.7	13300	16.2	15100	14.4	16300	15.6	16900	17.8	17500
GR 17.0	17800	18.4	18400	18.2	18972	17.2	18977	-5.2	19017
GR -8.6	19092	-6.6	19117	-9.2	19217	5.1	19235	15.3	19269
GR 18.3	19315	18.4	19400	17.7	19700	15.8	19927	16.0	19954
GR 16.0	20000	15.7	20300	14.1	20600	13.6	20900	13.1	21100
GR 12.2	21200	11.5	21500	12.1	23000	14.0	23500	22.1	23600
GR 30.3	23672	49.7	23737						
X1340200	20	20000	20320	11000	6700	11200			



GR	45.0	1900	25.0	2180	25.0	5850	23.0	9000	20.0	14200
GR	16.0	14500	16.0	17000	17.0	17150	17.0	20000	1.7	20020
GR	-4.5	20040	-3.9	20120	-5.0	20160	-8.8	20260	-4.8	20280
GR	20.0	20320	20.0	25350	16.0	25450	16.0	27000	66.0	27350
NC	0.11	0.11	0.045							
X1353200	94	18733	19060	13000	6700	13000				
GR	40	0	35	150	30	250	25	4600	25	10500
GR	26.4	10600	26.4	11075	22.1	11100	20.3	11200	20.8	11800
GR	22.9	11935	21.9	12000	22.4	12300	22.2	12600	20.9	13200
GR	21.0	13500	21.5	13600	20.2	13800	20.1	14100	21.9	14400
GR	20.4	15300	19.0	15600	17.9	15800	21.4	16100	23.0	16151
GR	24.7	16600	23.9	17100	24.4	17200	17.9	17400	17.6	17600
GR	17.2	17623	15.4	17670	14.1	17682	12.4	17687	11.6	17693
GR	12.2	17703	14.7	17709	16.1	17719	16.9	17768	17.5	17800
GR	15.8	18000	15.3	18100	19.8	18600	19.3	18700	18.1	18733
GR	10.7	18743	9.8	18750	-2.0	18775	-16.7	18800	-13.7	18825
GR	-12.4	18850	-15.2	18875	-12.4	18900	-8.8	18925	-6.9	18950
GR	-8.4	18975	-4.5	19000	6.4	19025	11.3	19047	13.5	19060
GR	18.9	19085	21.4	19116	21.8	19300	20.1	19400	19.5	19800
GR	20.6	19900	17.8	20800	18.1	21100	18.6	21400	17.5	21700
GR	18.9	21800	20.6	21900	20.2	21949	17.3	21956	16	21958
GR	15.5	22000	15.4	22100	15.2	22138	15.7	22200	15.5	22300
GR	12.0	22318	22	22400	17.4	22500	17.4	23400	19.1	24000
GR	17.2	24300	17.2	24600	15.7	25200	16.9	25256	20.2	25400
GR	19.9	25700	19.9	26300	21.8	26600	29.1	27000		
NC	0.11	0.11	0.045	0.3	0.5					
X1354153					953	953	953			
X1354183	85	18600	19200	50	50	50				
GR	40	0	35	150	30	250	25	4600	25	10500
GR	26.4	10600	26.4	11075	22.1	11100	20.3	11200	20.8	11800
GR	22.9	11935	21.9	12000	22.4	12300	22.2	12600	20.9	13200
GR	21.0	13500	21.5	13600	20.2	13800	20.1	14100	21.9	14400
GR	20.4	15300	19.0	15600	17.9	15800	21.4	16100	23.0	16151
GR	24.7	16600	23.9	17100	24.4	17200	17.9	17400	17.6	17600
GR	17.2	17623	15.4	17670	14.1	17682	12.4	17687	11.6	17693
GR	12.2	17703	14.7	17709	16.1	17719	16.9	17768	17.5	17800
GR	15.8	18000	15.3	18100	23.0	18600	-15	18830	-15	18880
GR	-15	18930	23	19200	21.8	19300	20.1	19400	19.5	19800
GR	20.6	19900	17.8	20800	18.1	21100	18.5	21400	17.5	21700
GR	18.9	21800	20.6	21900	20.2	21949	17.3	21956	16	21958
GR	15.5	22000	15.4	22100	15.2	22138	15.7	22200	15.5	22300
GR	12.0	22318	22	22400	17.4	22500	17.4	23400	19.1	24000
GR	17.2	24300	17.2	24600	16.4	24896	15.8	25000	15.7	25200
GR	16.9	25256	16.9	25300	20.2	25400	19.9	25700	19.9	26300
GR	17.2	26600	29.1	27000	34.7	27100	36.5	27200	36.5	27300
SB	1.25	1.5	2.5		10.7	15	22000	6.5	-15	-15
X1354216					33	33	33			
X2			1	35.4	24					
BT	23	0	40		150	35	4600	30		
BT	10600	25.7		12600	26.4	15800	24.4		16600	
BT	25.5		17800	25.6		18000	26.5	18600	37.2	
BT	34.1	18880	39	35.4	19200	37.7	34.1	19800	25.2	
BT	20800	24		21800	25.3		22138	27.0		23400
BT	24		24600	24.1		25200	27		25400	25.7
BT	25700		25.4		26600	27.9		27300	40.4	
X1354266	94	18733	19060	50	50	50				
GR	40	0	35	150	30	250	25	4600	25	10500
GR	26.4	10600	26.4	11075	22.1	11100	20.3	11200	20.8	11800
GR	22.9	11935	21.9	12000	22.4	12300	22.2	12600	20.9	13200
GR	21.0	13500	21.5	13600	20.2	13800	20.1	14100	21.9	14400
GR	20.4	15300	19.0	15600	17.9	15800	21.4	16100	23.0	16151
GR	24.7	16600	23.9	17100	24.4	17200	17.9	17400	17.6	17600
GR	17.2	17623	15.4	17670	14.1	17682	12.4	17687	11.6	17693
GR	12.2	17703	14.7	17709	16.1	17719	16.9	17768	17.5	17800
GR	15.8	18000	15.3	18100	19.8	18600	19.3	18700	18.1	18733
GR	10.7	18743	9.8	18750	-2.0	18775	-16.7	18800	-13.7	18825

GR	25	17400	20	17700	20	18000	20	19000	25	19200
GR	25	21700	25.1	24200	25.3	24300	25.1	24400	26.3	24500
GR	25.2	24525	27.9	24538	24.8	24547	20.5	24600	19	24646
GR	20.9	24700	22.1	24800	22.1	24900	22.6	25000	23.1	25100
GR	24	25200	23.7	25300	24.5	25400	26	25500	24.7	25600
GR	26	25686	28	25698	27.9	25702	26.1	25708	25.5	25716
GR	11	25742	1.1	25755	-6	25780	-2	25805	-2.1	25830
GR	-1.9	25855	-1.9	25880	-1.4	25905	-2	25930	1.8	25955
GR	2.3	25980	1.5	26005	4.9	26030	10	26045	22.6	26060
GR	24.2	26084	24	26100	23.5	26200	22.7	26300	22.7	26400
GR	22.8	26500	22.8	26600	21.3	26700	21.6	26800	21.5	26900
GR	22.5	27000	22.5	27100	22.4	27200	22.6	27300	22.8	27360
GR	22.5	27392	20.4	27403	23.2	27413	22.2	27500	21.4	27600
GR	20	28300	20	28750	20	29400	22	29800	30	31250
GR	35	31350	40	31400						
NH	3	0.13	12637	0.070	12940	0.13	33850			
X1424280		82	12381	23100	10000	9000	12820			
X3	10						28.1	25.0		
GR	40	0	35	300	30	400	25	2150	25	5000
GR	28.5	11200	28.7	11300	28.8	11400	28.1	11500	27.2	11600
GR	27.1	11700	27.2	11800	27.1	11900	25.5	12000	25.9	12100
GR	25.8	12130	25.5	12200	26.4	12282	30.7	12381	26.9	12397
GR	27.2	12500	26.8	12600	25.7	12629	24.4	12637	16.4	12644
GR	8.5	12671	1.8	12696	-5.3	12721	-4	12746	-3.9	12771
GR	-3.7	12796	-5.6	12821	-7.5	12846	-6	12861	6.3	12877
GR	17.1	12912	25.3	12940	26.2	12950	26.2	13000	25.7	13100
GR	22.1	13200	21.5	13300	21.1	13400	21.4	13500	21.1	13600
GR	19.8	13700	21	13718	21.1	13800	21	13888	18	13904
GR	21.3	13918	20.9	14000	20	14100	19.9	14156	19.6	14200
GR	19.3	14300	19.1	14400	20	15550	20	15700	20	23000
GR	25	23100	25.0	23150	20	24250	20	24850	25	24950
GR	25	25500	20	25650	20	27050	25	27200	30	27300
GR	30	27800	25	27950	20	28000	25	28170	30	28400
GR	30	28650	30	29250	25	29450	25	32300	30	32450
GR	35	33250	40	33850						
NH	3	0.15	8057	0.070	8445	0.15	36800			
X1450700		94	8057	10335	13000	10000	26420			
X3	10						27.1	32.7		
GR	50	450	45	500	40	550	35	700	30	950
GR	30	1680	35	3350	35	3990	33.9	4000	33.9	4010
GR	25.4	4039	24.3	4060	23.4	4100	23.7	4400	25.2	4700
GR	24.8	5000	25.9	5275	17.1	5284	18.2	5296	18.2	5320
GR	25.9	5320	26.2	5550	24.2	5660	17.7	5683	17.8	5695
GR	24.4	5708	25.4	5800	23.7	6100	23.2	6300	22.3	6500
GR	23.6	6800	25.9	7100	27.2	7400	27.9	7700	26.8	7900
GR	26.7	7995	29.2	8005	29.6	8034	27.1	8057	10.4	8081
GR	4	8100	-1.1	8125	-2.3	8150	-7	8175	.8	8200
GR	.8	8300	.1	8325	1.5	8350	3.3	8375	9.7	8390
GR	23.5	8445	24.2	8463	28.1	8520	27.5	8700	26.6	9000
GR	27.2	9120	22.7	9137	22.7	9153	27.1	9168	26.7	9300
GR	24.8	9604	33.7	9630	27.5	9653	28.2	9700	26.6	9900
GR	25.6	10100	27.4	10320	32.7	10335	28.5	10349	29.1	10500
GR	28.2	11100	26.6	11400	25.4	11600	25.6	11800	27.2	11900
GR	26.9	12200	26	12900	26.4	13721	30	15000	25	15350
GR	25	18000	30	18100	30	18800	25	19000	30	19800
GR	25	20100	25	23000	25	23600	40	24000	30	28500
GR	30	30500	25	31200	25	31850	40	33400		
NH	3	0.12	9479	0.070	9800	0.12	32050			
X1470752		92	6208	12200	15500	13500	20052			
X3	10						23.9	34.6		
GR	83.3	1400	68.8	1600	56.3	1800	57.7	2000	48.6	2300
GR	48.8	2600	45.1	2900	43.2	3100	42.6	3300	37.8	3700
GR	37.4	4000	29.9	4300	29.4	4600	34.5	4900	34.1	5200
GR	29.0	5500	28.1	5800	26.5	6100	39.0	6208	28.4	6228
GR	23.9	6230	22.6	6245	23.2	6258	19.3	6270	22.6	6275
GR	28.9	6279	39.8	6308	28.6	6400	27.1	6700	27.9	6800

GR	25.2	7600	26.5	8400	26.1	8800	29.8	9200	23.9	9479
GR	14.1	9489	8.3	9500	5.3	9525	11.5	9550	2.6	9575
GR	-1.5	9600	-6.6	9625	1.3	9650	-3.9	9675	-7.4	9700
GR	-1.8	9725	1.8	9750	13.4	9765	16.2	9775	22.3	9800
GR	29.9	10000	28.9	10300	25.3	10600	26.1	10900	26.0	11200
GR	24.2	11500	25.4	11662	22.3	11800	34.6	12200	29.6	12300
GR	28.2	12413	31.7	12500	31.1	12800	29.2	13100	34.0	13700
GR	32.2	14000	29.5	14300	28.8	14500	30.2	14740	24.7	14754
GR	24.7	14900	24.8	15045	25.3	15055	32.8	15100	28.4	15200
GR	32.3	15500	31	15800	31.1	16000	30	16650	30	18350
GR	35	20100	30	21700	35	22550	40	23300	35	24550
GR	35	26600	35	28300	40	28900	25	29650	35	30300
GR	40	31850	50	32050						
X1470792					50	50	50			
X3	10							36.2	36.2	
NH	3	0.12	9472	0.070	9860	0.12	32050			
X1470793	95	9426	9883	1	1	1				
BT	41	1700	62.7	2300	60.0	48.6	4000	51.9	37.4	
BT	4300	50.7	29.9	4600	49.8	29.4	4900	48.7	34.5	5200
BT	47.7	34.1	5500	46.5	29.0	6207	43.7	28.4	6208	43.7
BT	40.7	6308	43.3	40.4	6309	43.3	28.9	6717	42.0	28.0
BT	6718	42.0	38.4	7000	41.5	38.0	7600	42.8	39.3	8800
BT	47.4	43.9	9426	49.5	45.8	9427	49.5	42.3	9882	49.5
BT	44.2	9883	49.5	46.2	10000	49.6	46.3	10300	49.4	46.1
BT	11500	46.9	43.6	11702	46.2	43.0	11703	46.2	25.4	12100
BT	45.3	22.3	12179	45.1	29.9	12180	45.1	42.1	12453	44.6
BT	41.6	12454	44.6	28.2	12500	44.5	31.7	13100	42.0	29.2
BT	13700	39.9	34.0	14600	38.9	28.8	14729	38.7	30.2	14730
BT	38.7	36.2	15110	38.8	36.3	15111	38.8	30.6	16000	39.9
BT	31.1	18350	40.0	40.0						
GR	62.7	1700	48.6	2300	37.4	4000	29.9	4300	29.4	4600
GR	34.5	4900	34.1	5200	29.0	5500	28.4	6207	28.4	6208
GR	23.9	6230	22.6	6245	23.2	6258	19.3	6270	40.5	6270.1
GR	40.5	6279	28.9	6279.1	28.9	6308	28.9	6309	28.0	6717
GR	28.0	6718	27.3	7000	25.2	7600	26.2	8637	43.2	8637.1
GR	43.9	8800	26.1	8800.1	30.9	9426	42.3	9427	42.4	9433
GR	30.7	9434	27.5	9472	8.3	9500	5.3	9525	11.5	9550
GR	42.8	9551	42.8	9556	9.4	9557	2.6	9575	-6.6	9645
GR	43.2	9646	43.3	9668	-3.9	9669	-7.4	9700	-1.8	9725
GR	10.4	9757	42.8	9757.1	42.8	9763	12.6	9763.1	30.7	9860
GR	30.7	9875	44.1	9875.1	44.2	9882	30.7	9883	29.9	10000
GR	28.9	10300	24.2	11500	43.6	11501	43.3	11609	24.9	11610
GR	25.4	11702	25.4	11703	22.3	12100	29.9	12179	29.9	12180
GR	29.6	12300	30.1	12394	41.7	12395	41.7	12409	30.1	12410
GR	28.2	12453	28.2	12454	31.7	12500	29.2	13100	34.0	13700
GR	28.8	14600	30.2	14729	30.2	14730	24.7	14754	30.4	15000
GR	36.2	15001	36.2	15036	30.4	15037	30.6	15110	30.6	15111
GR	31.1	16000	40.0	18350	35.0	20100	35.0	22550	40.0	23300
GR	35.0	24550	40.0	28900	35.0	30300	40.0	31850	50.0	32050
X1470807					14	14	14			
X2										
NH	3	0.12	9479	0.050	9800	0.12	32050			
X1470808	92	6208	12200	1	1	1				
X3	10							38.7	38.7	
GR	83.3	1400	68.8	1600	53.3	1800	57.7	2000	48.6	2300
GR	48.8	2600	45.1	2900	43.2	3100	42.6	3300	37.8	3700
GR	37.4	4000	29.9	4300	29.4	4600	34.5	4900	34.1	5200
GR	29.0	5500	28.1	5800	26.5	6100	39.0	6208	28.4	6228
GR	23.9	6230	22.6	6245	23.2	6258	19.3	6270	22.6	6275
GR	28.9	6279	39.8	6308	28.6	6400	27.1	6700	27.9	6800
GR	25.2	7600	26.5	8400	26.1	8800	29.8	9200	23.9	9479
GR	14.1	9489	8.3	9500	5.3	9525	11.5	9550	2.6	9575
GR	-1.5	9600	-6.6	9625	1.3	9650	-3.9	9675	-7.4	9700
GR	-1.8	9725	1.8	9750	13.4	9765	16.2	9775	22.3	9800
GR	29.9	10000	28.9	10300	25.3	10600	26.1	10900	26.0	11200
GR	24.2	11500	25.4	11662	22.3	11800	34.6	12200	29.6	12300

GR	28.2	12413	31.7	12500	31.1	12800	29.2	13100	34.0	13700
GR	32.2	14000	29.5	14300	28.8	14600	30.2	14740	24.7	14754
GR	24.7	14900	24.8	15045	25.3	15055	32.8	15100	28.4	15200
GR	32.3	15500	31	15800	31.1	16000	30	16650	30	18350
GR	35	20100	30	21700	35	22550	40	23300	35	24550
GR	35	26600	35	28300	40	28900	25	29650	35	30300
GR	40	31850	50	32050						
X1470858				50	50	50				
NH	3	0.12	10266	0.050	10656	0.12	23150			
X1481100	94	10266	10830	10242	7000	10242				
X3	10						30	39.4		
GR	57	300	40	1400	30	1500	28	2000	30	3500
GR	35	5000	30	5450	30	6700	25	7700	26	9000
GR	27.7	9100	29.8	9200	29.6	9300	27.7	9320	24.5	9346
GR	28.7	9376	29.3	9400	30	9500	28.1	9560	24.5	9591
GR	30.2	9622	27.4	9675	26.6	9700	24.9	9740	26.9	9800
GR	28.1	9900	30.2	10000	30.9	10100	32.2	10200	32.6	10258
GR	34	10266	32.3	10276	33.4	10310	33.1	10324	28.2	10348
GR	16.9	10367	10.3	10380	-.9	10405	-.6	10430	-1.1	10455
GR	-.4	10480	.8	10505	1.3	10530	2	10555	2.8	10580
GR	11.5	10605	21.1	10630	22.8	10646	28.5	10656	28.9	10661
GR	30.7	10700	31.4	10731	29.5	10753	28.8	10800	39.4	10830
GR	32.2	10852	31.8	10900	32.2	11000	31.4	11100	30.5	11200
GR	28.9	11300	27.4	11400	29.1	11500	32.9	11600	33.4	11700
GR	32.7	11800	32.5	11896	32	12000	31.2	12100	29.8	12200
GR	29.1	12300	31.8	12700	31.1	12800	32.9	13300	32.7	13600
GR	28.2	13800	28.0	14000	33.6	14300	31.3	14900	34.3	15100
GR	38.1	15200	40.4	15782	40	17600	35	17820	30	18030
GR	35	18450	30	18950	35	20150	35	21200	30	21450
GR	25	21700	25	22100	40	22300	45	22600		
NC	0.14	0.14	0.040							
QT	4	20000	35000	119000	247000					
X1498760	76	21040	21387	16000	15000	17660				
GR	75	0	35	500	35	2250	40	2370	40	3450
GR	35	4200	35	4500	40	4620	40	7250	45	7500
GR	40	9100	35	9250	35	10900	40	11150	40	11620
GR	35	11900	35	14000	30	14250	30	16100	25	16850
GR	30	18400	27.5	19500	28.4	19610	27.7	19695	29.8	19900
GR	31	20100	30.9	20300	30.1	20400	31	20500	32.1	20826
GR	38	20852	35.6	20937	30.9	20955	32.6	21000	32	21040
GR	19.3	21067	19.5	21085	9.2	21117	3.8	21217	4.2	21242
GR	3.6	21267	-.8	21317	15.5	21367	32.3	21387	32.8	21392
GR	32.9	21400	30.5	21500	33.3	21560	33.2	21600	31.6	21700
GR	34.5	21900	38	22000	39.6	22200	37.2	23900	38.4	24100
GR	35.8	24300	35.7	24600	36.4	24700	35.9	24747	40	25050
GR	40	26400	40	27250	35	27350	35	27750	40	27800
GR	40	28100	35	28450	35	30600	40	30700	45	30950
GR	45	31700	40	32000	40	32500	35	32900	35	33550
GR	55	33950								
NH	7	0.14	12310	0.048	12500	0.14	16861	0.048	17011	0.14
NH	20575	0.048	20995	0.14	27400					
X1513900	55	12310	20965	12000	15140	15140				
GR	70.0	0	50.0	300	40.0	600	40.0	3600	40.0	5900
GR	40.0	9100	42.3	10400	43.0	10800	37.8	11700	34.4	12310
GR	29.8	12393	29.3	12500	29.5	12600	31.1	12707	34.5	13200
GR	32.8	14650	34.0	16861	33.0	16877	29.0	16896	29.0	16911
GR	29.5	16961	30.0	16991	32.3	17011	33.5	17450	33.1	17805
GR	33.0	18050	32.2	18600	34.5	19200	37.0	20575	32.0	20525
GR	23.0	20640	5.0	20680	0.1	20696	0.1	20703	0.1	20707
GR	0.1	20714	5.0	20764	7.0	20800	1.0	20854	1.0	20863
GR	1.0	20867	1.0	20875	2.0	20900	6.0	20925	21.0	20953
GR	26.0	20955	33.0	20965	38.0	20975	40.0	20985	40.0	20995
GR	43.0	21050	50.0	23600	45.0	26400	50.0	26900	60.0	27400
X1513976				76	76	76				
X3	10						40.0	40.0		
NH	7	0.14	12310	0.048	12500	0.14	16861	0.048	17011	0.14

NH 20575	0.048	20995	0.14	27400						
X1513977	79	20575	20995	1	1	1				
BT 30	0	70.0	70.0	300	55.0	50.0	600	50.0	40.0	
BT 3600	48.0	40.0	5900	49.0	40.0	9100	50.0	40.0	10400	
BT 48.5	42.3	10800	48.5	43.0	11700	48.5	37.8	12309	50.3	
BT 34.4	12310	53.1	48.1	12707	53.1	48.1	12708	50.3	31.3	
BT 13200	49.0	34.5	14650	48.5	32.8	16860	44.4	34.0	16861	
BT 46.6	40.1	17010	46.1	39.6	17011	43.8	32.3	17450	42.2	
BT 33.5	17805	41.5	33.1	18050	41.8	33.0	18600	43.2	32.2	
BT 19200	44.7	34.5	20575	48.0	37.0	20576	50.2	40.0	20994	
BT 50.2	40.0	20995	48.0	40.0	21050	48.1	43.0	23600	50.0	
BT 50.0										
GR 70.0	0	50.0	300	40.0	600	40.0	3600	40.0	5900	
GR 40.0	9100	42.3	10400	43.0	10800	37.8	11700	34.4	12309	
GR 34.4	12310	29.8	12400	29.3	12500	48.1	12500.1	48.1	12522	
GR 29.3	12522.1	29.5	12600	31.1	12675	31.3	12707	31.3	12708	
GR 34.5	13200	32.8	14650	34.0	16860	34.0	16861	33.0	16877	
GR 29.0	16896	29.0	16910	39.9	16910.1	39.9	16912	29.0	16912.1	
GR 29.5	16960	39.7	16960.1	39.7	16962.1	29.5	16962.1	30.0	16991	
GR 32.3	17010	32.3	17011	33.5	17450	33.1	17805	33.0	18050	
GR 32.2	18600	34.5	19200	37.0	20575	37.0	20576	32.0	20625	
GR 23.0	20640	5.0	20680	0.1	20696	15.8	20697	15.8	20703	
GR 40.0	20703.1	40.0	20707	15.8	20707.1	15.8	20713	0.1	20714	
GR 5.0	20764	7.0	20800	1.0	20854	13.9	20855	13.9	20863	
GR 40.0	20863.1	40.0	20867	13.9	20867.1	13.9	20874	1.0	20875	
GR 2.0	20900	6.0	20925	21.0	20953	26.0	20955	33.0	20965	
GR 38.0	20975	40.0	20985	40.0	20994	40.0	20995	43.0	21050	
GR 50.0	23600	45.0	26400	50.0	26900	60.0	27400			
X1514023				46	46	46				
X2						1				
NH 7	0.14	12310	0.048	12500	0.14	16861	0.048	17011	0.14	
NH 20575	0.048	20995	0.14	27400						
X1514024	55	12310	20965	1	1	1				
X3	10						40.0	40.0		
GR 70.0	0	50.0	300	40.0	600	40.0	3600	40.0	5900	
GR 40.0	9100	42.3	10400	43.0	10800	37.8	11700	34.4	12310	
GR 29.8	12393	29.3	12500	29.5	12600	31.1	12707	34.5	13200	
GR 32.8	14650	34.0	16861	33.0	16877	29.0	16896	29.0	16911	
GR 29.5	16961	30.0	16991	32.3	17011	33.5	17450	33.1	17805	
GR 33.0	18050	32.2	18600	34.5	19200	37.0	20575	32.0	20625	
GR 23.0	20640	5.0	20680	0.1	20696	0.1	20703	0.1	20707	
GR 0.1	20714	5.0	20764	7.0	20800	1.0	20854	1.0	20863	
GR 1.0	20867	1.0	20875	2.0	20900	6.0	20925	21.0	20953	
GR 26.0	20955	33.0	20965	38.0	20975	40.0	20985	40.0	20995	
GR 43.0	21050	50.0	23600	45.0	26400	50.0	26900	60.0	27400	
X1514080				56	56	56				
NC 0.17	0.17	0.050								
X1528400	66	11084	11445	13000	13000	14320				
GR 75	0	70	100	50	350	35	630	35	1180	
GR 50	1900	50	2250	45	2700	35	2900	35	3150	
GR 40	3250	40	4200	35	4300	35	5100	45	5350	
GR 45	5550	40	5680	40	6900	35	7000	35	9950	
GR 46.5	10300	48.1	10500	45.8	11000	46.3	11064	33.8	11084	
GR 26.5	11095	19.1	11135	17.9	11160	2.7	11210	6.2	11285	
GR 8.2	11360	7.4	11385	24.1	11422	32	11445	33.1	11464	
GR 37.8	11482	35.8	11500	38.2	11515	38.5	11537	31	11600	
GR 33	11679	36.3	11700	35	11900	35.3	12100	34.2	12200	
GR 34.8	12300	34.1	12500	34.6	12600	34.3	12800	32.8	13000	
GR 25	16300	30	16600	30	19400	45	19650	45	19950	
GR 30	20250	30	20600	60	21350	65	22500	60	23900	
GR 65	24300	60	25800	60	30000	65	32650	70	33200	
GR 75	34500									
X1539200	27	20000	20320	10000	12000	10800				
GR 75.0	9200	50.0	9500	50.0	14900	45.0	15250	40.0	15600	
GR 35.0	15900	35.0	18700	40.0	18950	40.0	19800	40.0	19850	
GR 32.0	20000	17.8	20020	11.6	20040	7.5	20200	6.6	20220	

GR	8.4	20240	8.1	20260	10.1	20280	17.6	20300	32.0	20320
GR	40.0	20420	40.0	21900	37.0	22100	37.0	24100	40.0	25000
GR	40.0	26000	60.0	26100						
NH	4	0.16	6375	0.040	6720	0.12	9900	0.16	33950	
X1545400		73	6375	6824	5700	6200	6200			
GR	75	0	55	300	50	1100	45	1200	45	1550
GR	50	1750	50	2800	45	3100	45	3350	50	4250
GR	49.9	5000	46.6	5100	47.2	5200	46.6	5300	42.5	5400
GR	39.9	5500	37.7	5700	36.8	5900	38	6100	41.8	6200
GR	41.7	6293	46.9	6321	39.7	6355	34	6375	9.3	6400
GR	5.7	6425	9.6	6500	9.8	6525	9.2	6550	10.5	6575
GR	8.9	6600	8.4	6625	8.9	6650	32.1	6720	38.4	6790
GR	49.4	6824	49	6828	42.2	6842	37.5	6900	35	7100
GR	32.9	7200	31.1	7357	31.2	7500	35	8700	35	9250
GR	35	9790	35	9900	35	10100	40	10270	40	10530
GR	43	10800	30	11150	30	14800	40	15800	50	15970
GR	50	19880	55	20250	55	21900	50	24300	50	25800
GR	55	25950	50	26100	50	26600	55	26800	50	27250
GR	55	28000	55	28850	50	29070	50	29850	65	30600
GR	65	33100	70	33600	75	33950				
X1546400					1000	1000	1000			
X3	10							34	46.0	
X1546500				100	100	100				
X3	10							34.0	46.0	
X1547000				500	500	500				
X3	10							34.0	46.0	
X1548000				1000	1000	1000				
X3	10							34.0	46.0	
NH	4	0.16	3078	0.040	3400	0.12	8450	0.16	32700	
X1553000		81	3078	3986	5000	5000	5000			
X3	10							35	47	
GR	75.0	2000	40.0	2150	35.0	2200	34.0	3078	18.7	3090
GR	5.2	3110	7.2	3130	7.9	3170	8.2	3210	9.8	3250
GR	9.8	3350	12.7	3370	18.7	3380	34.0	3400	39.6	3500
GR	36.8	3700	38.3	3800	38.3	3866	34.8	3890	37.3	3910
GR	37.6	3955	52.1	3986	52.4	4012	44.3	4029	39.5	4071
GR	39.2	4100	41.3	4200	43	4400	41.4	4600	42.3	4800
GR	41.5	5000	40	8000	45	8450	45	8800	40	8970
GR	40	9150	45	9270	45	10050	40	10200	50	10400
GR	45	10550	55	10700	55	11200	50	11400	35	11650
GR	50	12000	55	12500	55	13500	50	13600	55	14350
GR	45	14650	45	14950	50	15200	45	15750	50	15850
GR	55	16500	50	17200	45	17400	45	18000	50	18300
GR	50	19850	35	20400	50	20600	55	20800	55	21150
GR	50	22700	35	23050	50	23450	55	23700	55	24500
GR	50	24650	35	25450	50	26250	50	26850	40	27250
GR	40	28400	45	28500	50	29150	55	29400	55	31250
GR	65	32700								
X1556300					3300	3300	3300			
X3	10							35	47	
NH	4	0.16	3078	0.040	3441	0.12	8450	0.16	32700	
X1564000		91	3078	3986	8000	8000	8000			
X3	10							34.5	49.0	
GR	79.7	800	81.4	1100	81.6	1400	82.3	1500	81	1700
GR	77	1900	80.7	2100	81.1	2200	80.5	2600	81	2700
GR	79.2	2900	41.8	3000	36.8	3032	34.5	3078	28	3083
GR	25.5	3103	13.4	3153	12.2	3203	5.2	3203	7.2	3228
GR	8.9	3278	11.2	3303	14.4	3403	34.4	3441	39.6	3500
GR	36.8	3700	38.3	3800	38.3	3866	34.8	3890	37.3	3910
GR	37.6	3956	52.1	3986	52.4	4012	44.3	4029	39.5	4071
GR	39.2	4100	41.3	4200	43	4400	41.4	4600	42.3	4800
GR	41.5	5000	40	8000	45	8450	45	8800	40	8970
GR	40	9150	45	9270	45	10050	40	10200	50	10400
GR	45	10550	55	10700	55	11200	50	11400	35	11650
GR	50	12000	55	12500	55	13500	50	13600	55	14350
GR	45	14650	45	14950	50	15200	45	15750	50	15850

GR	55	16500	50	17200	45	17400	45	18000	50	18300
GR	50	19850	35	20400	50	20600	55	20800	55	21150
GR	50	22700	50	23050	50	23450	55	23700	55	24500
GR	50	24650	35	25450	50	26250	50	26850	40	27250
GR	65	32700	45	28500	50	29150	55	29400	55	31250
NH	4	0.16	10000	0.040	10330	0.12	10500	0.19	28150	
X1573400	49	10000	10000	10500	9400	7000	9400			
X3	10							34.0	51.0	9950
GR	75.0	7200	50.0	7450	40.0	7550	35.0	7650	34.0	10240
GR	34.0	10000	20.0	10020	10.5	10080	9.0	10080	10.5	10330
GR	11.5	10260	9.6	10280	10.0	10300	20.0	10320	33.3	10540
GR	35.0	10430	39.0	10490	54.0	10500	54.0	10525	40.0	13400
GR	40.0	10900	50.0	11050	50.0	11850	55.0	12000	55.0	15150
GR	50.0	13550	50.0	13900	55.0	14250	55.0	14950	50.0	17000
GR	55.0	15300	55.0	16100	50.0	16120	50.0	16900	55.0	19100
GR	55.0	17400	40.0	17600	55.0	17800	55.0	18600	47.0	24100
GR	56.0	19600	55.0	20100	50.0	22200	50.0	23850	55.0	
GR	55.0	26050	49.0	27200	55.0	27750	60.0	28150		
NC	0.18	0.18	0.040							
X1582300	64	21500	21500	21856	8900	8900	8900	4750	55	4850
GR	75	3650	60	3950	55	4350	50	7000	60	9500
GR	55	5700	50	6500	60	6850	60	12030	60	14500
GR	65	9850	65	11500	60	11700	60	16300	35	16650
GR	40	15000	45	15300	40	15500	40	20300	37.6	20600
GR	35	18100	35	18350	35.2	20000	34.8	21300	48.7	21378
GR	38.9	20900	40	21000	40.6	21200	43	21300	16.7	21530
GR	49.8	21405	47.7	21443	42.6	21457	38.4	21500	11.7	21645
GR	13.1	21545	13.9	21570	13	21595	13.7	21620	33.1	21873
GR	10.7	21695	11.2	21745	7.7	21795	32.1	21856	61.5	22100
GR	33.1	21876	36.9	21886	42.6	21941	61.6	21988	60.7	23400
GR	60	22300	61.1	22600	61.8	22900	61.8	23100	60	25850
GR	58.6	23500	55.3	23600	55.3	23763	55	24750		
GR	60	26200	58	26600	60	27110	64	27350		
QT	4	20000	35000	121000	253000					
X1594420	65	31537	31537	31920	12120	12120	12120	13700	60	17800
GR	75	3650	65	6000	65	11300	65	20950	50	21550
GR	55	18000	55	18200	60	18300	60	22850	50	23600
GR	45	21600	45	22150	55	22350	55	28600	35.8	30000
GR	50	25900	45	26000	40	26300	40	30693	38.3	30735
GR	37.3	30100	38.5	30665	32.7	30678	39.8	31214	42.2	31246
GR	37.2	30900	36.9	31100	36.4	31184	38.1	31429	48.5	31451
GR	44	31300	45.2	31400	45.1	31419	43.5	31537	31.5	31545
GR	43.7	31474	44.4	31494	40.5	31520	38.6	31670	4.7	31720
GR	27.7	31570	10.2	31620	6.7	31645	6.7	31870	31.5	31895
GR	8.7	31770	24	31820	25.5	31845	29.9	31958	40.2	31974
GR	35.3	31920	32.2	31932	35.1	31954	38.3	32064	70.9	32096
GR	38.5	32000	38.9	32010	71.2	32040	71.8	32500	72	33000
GR	70	32200	70.9	32300	69.6	32400	71.5	14100	60	18450
X1612420	79	33189	33189	33623	18000	18000	18000	21800	55	22300
GR	65	12650	65	13450	65	13850	60	24950	60	25150
GR	60	19350	65	20350	70	21550	55	28000	45	28850
GR	60	23200	60	24700	55	24750	55	30300	42.6	30508
GR	60	25300	55	25500	55	27850	45	31300	43.6	31400
GR	50	29850	51.1	30000	42.7	30200	43.2	32900	41.3	33000
GR	45.7	30800	41.6	31000	41.5	31200	44.2	33070	53.2	33081
GR	42.1	31500	44.1	31900	43.9	32100	42.8	33250	12.2	33325
GR	43.4	32500	44.2	32600	43.9	32700	45.5	33450	17.1	33500
GR	43.2	33021	48.6	33036	48.8	33052	53.8	33623	42.6	33636
GR	47	33097	40.5	33189	33.1	33198	33.2	33778	44.6	33873
GR	12.2	33375	13.2	33400	15.2	33425	12.2	34400	44.1	34500
GR	16.2	33525	16.2	33550	15.2	33575	38.5	34778	51.5	34825
GR	45.8	33706	47.7	33719	49.7	33800	49.2	35100		
GR	43.8	33900	43.8	34000	44.9	34200	42.7			
GR	58	34600	62.1	34642	55.7	34700	49.8			
GR	65.6	34900	77.2	35000	80.2	35100	80.6			

X1664085	55	1325	2832	2535	2535	2535			
GR 92	980	69.6	1150	69.6	1180	60	1270	56	1280
GR 55	1295	53	1325	47	1350	38	1365	30	1400
GR 19	1420	19	1430	30	1450	31	1455	48	1500
GR 49	1510	52	1525	54	1600	53	1665	54	1935
GR 55	2065	54.5	2130	55	2200	54	2255	49	2300
GR 32	2340	14	2360	13	2375	16	2400	15	2420
GR 10	2460	11	2480	14	2500	13	2525	15	2540
GR 14	2560	14	2580	16	2615	16	2640	22	2740
GR 38	2800	40	2815	46	2832	53	2885	53	2900
GR 49.5	2950	49	3050	47.4	3150	49.2	3250	54.5	3350
GR 58.2	3450	65	3550	70.7	3650	74	3710	82	3850
X1664185				100	100	100			
X3 10							53	53	
X1664186	90	1325	2832	1	1	1			
BT 14	980	92	92	1295	82.6	55	1296	85.4	76.7
BT 1544	77.9	69.2	1545	75.1	52.5	1665	71.6	53	1935
BT 66.8	54	2065	66.0	55	2200	66.8	55	2225	66.9
BT 54.5	2226	69.1	59.5	2984	72.3	63.3	2985	70.7	49.5
BT 3710	74	74							
GR 92	980	69.6	1150	69.6	1180	60	1270	56	1280
GR 55	1295	55	1296	53	1325	47	1350	35.2	1376
GR 73.2	1377	73.1	1381	34.8	1382	30	1400	19	1420
GR 19	1430	30	1450	33	1459	70.7	1460	70.6	1464
GR 33.5	1465	48	1500	49	1510	52	1525	52.5	1544
GR 52.5	1545	54	1600	53	1665	54	1935	55	2065
GR 54.5	2130	55	2200	54.5	2225	54.5	2226	54	2255
GR 49	2300	32	2340	14	2365	21	2366	27	2372
GR 60.2	2373	60.3	2377	27	2378	27	2384	14	2385
GR 16	2400	15	2420	10	2460	11	2480	14	2505
GR 27.7	2506	27.7	2512	60.9	2513	60.9	2517	27.7	2518
GR 27.7	2524	13	2525	15	2540	14	2560	14	2580
GR 16	2615	18.5	2685	30.5	2686	30.5	2692	61.7	2693
GR 61.8	2697	30.5	2698	30.5	2704	20	2705	22	2740
GR 38	2800	40	2815	46	2832	62.4	2833	62.5	2837
GR 46.8	2838	53	2885	53	2900	49.5	2950	49.3	2984
GR 49.3	2985	49	3050	47.4	3150	49.2	3250	54.5	3350
GR 58.2	3450	65	3550	70.7	3650	74	3710	82	3850
X1664234				48	48	48			
X2							1		
X1664235	55	1325	2832	1	1	1			
X3 10							53	53	
GR 92	980	69.6	1150	69.6	1180	60	1270	56	1280
GR 55	1295	53	1325	47	1350	38	1365	30	1400
GR 19	1420	19	1430	30	1450	31	1455	48	1500
GR 49	1510	52	1525	54	1600	53	1665	54	1935
GR 55	2065	54.5	2130	55	2200	54	2255	49	2300
GR 32	2340	14	2360	13	2375	16	2400	15	2420
GR 10	2460	11	2480	14	2500	13	2525	15	2540
GR 14	2560	14	2580	16	2615	16	2640	22	2740
GR 38	2800	40	2815	46	2832	53	2885	53	2900
GR 49.5	2950	49	3050	47.4	3150	49.2	3250	54.5	3350
GR 58.2	3450	65	3550	70.7	3650	74	3710	82	3850
X1664285				50	50	50			
NH 5	0.18	1325	0.050	1525	0.14	2300	0.050	2832	0.18
NH 2950									
X1664366	39	1158	2759	81	81	81			
GR 83.5	950	71.4	1000	71.4	1020	55.4	1158	49.4	1169
GR 26.4	1201	24.4	1214	32.4	1240	31.4	1247	22.4	1275
GR 37.4	1292	46.4	1316	54.4	1373	58.4	1482	55.4	1526
GR 58.4	1564	60.4	1638	56.4	1878	56.6	1970	51.4	2031
GR 48.4	2059	43.4	2079	24.4	2163	22.4	2255	28.4	2279
GR 28.4	2297	20.4	2324	27.4	2366	27.4	2394	24.4	2406
GR 31.4	2450	20.4	2494	23.2	2534	19.4	2576	26.4	2608
GR 24.4	2639	48.4	2759	72.4	2799	89.0	2950		
				50	50	50			

NH	5	.018	1158	0.050	1292	0.14	2059	0.050	2759	0.18
NH	2950									
X1664417	94	1158	2759	1	1	1				
BT	8	950	89.6	83.5	1000	89.2	80.3	1316	87.8	78.9
BT	1317	87.8	75.8	1970	85.0	73.0	1971	85.0	76.1	2799
BT	81.3	72.4	2950	89.0	89.0					
GR	89.6	950	89.2	1000	71.4	1000	71.4	1020	64.2	1085
GR	88.0	1086	88.7	1092	63.0	1093	55.4	1158	81.5	1159
GR	88.4	1165	52.5	1166	26.1	1201	24.4	1214	32.4	1240
GR	88.1	1241	88.0	1247	31.4	1248	22.4	1275	37.4	1292
GR	46.4	1316	87.8	1317	87.7	1323	47.7	1324	54.4	1373
GR	58.4	1482	87.0	1484	87.0	1504	56.6	1505	55.4	1526
GR	58.4	1564	60.4	1638	58.9	1723	85.9	1735	85.8	1745
GR	58.5	1747	56.4	1878	85.1	1955	85.1	1956	85.0	1970
GR	56.6	1971	49.3	2051	84.6	2052	84.5	2058	48.4	2059
GR	33.1	2125	84.3	2126	84.2	2132	31.0	2133	24.4	2163
GR	23.2	2205	83.8	2206	83.7	2212	23.1	2213	22.4	2255
GR	28.4	2279	28.4	2289	83.5	2290	83.4	2296	28.4	2297
GR	20.4	2324	27.4	2366	83.2	2367	83.1	2373	27.4	2374
GR	27.4	2394	24.4	2406	31.4	2450	82.8	2451	82.7	2457
GR	29.5	2458	20.4	2494	22.5	2526	82.5	2527	82.4	2533
GR	23.2	2534	19.4	2576	24.5	2600	82.1	2601	82.0	2607
GR	26.4	2608	24.4	2639	29.1	2663	81.8	2664	81.7	2670
GR	30.5	2671	42.5	2730	81.5	2731	81.4	2737	44.0	2738
GR	48.4	2759	72.4	2799	80.8	2875	89.0	2950		
X1664423	0	0	0	0	6	6	6			
X2										
NH	5	0.18	1169	0.050	1316	0.14	2079	0.050	2759	0.18
NH	2950									
X1664424	39	1158	2759	1	1	1				
GR	83.5	950	71.4	1000	71.4	1020	55.4	1158	49.4	1169
GR	26.4	1201	24.4	1214	32.4	1240	31.4	1247	22.4	1275
GR	37.4	1292	46.4	1316	54.4	1373	58.4	1482	55.4	1526
GR	58.4	1564	60.4	1638	56.4	1878	56.6	1970	51.4	2031
GR	48.4	2059	43.4	2079	24.4	2163	22.4	2255	28.4	2279
GR	28.4	2297	20.4	2324	27.4	2366	27.4	2394	24.4	2406
GR	31.4	2450	20.4	2494	23.2	2534	19.4	2576	26.4	2608
GR	24.4	2639	48.4	2759	72.4	2799	89.0	2950		
X1664474	0	0	0	0	50	50	50			
NH	5	0.18	2446	0.050	2748	0.14	3175	0.050	3704	0.18
NH	4250									
X1664976	53	2446	3704	502	502	502				
X3	10									
GR	100.5	1000	76.5	1000	77.0	1055	68.5	1076	68.5	1144
GR	63.5	1153	64.0	1191	69.5	1207	66.0	1333	74.0	1337
GR	70.0	1425	66.5	1432	65.0	1485	60.5	1502	58.5	1541
GR	50.5	1658	53.5	2069	56.0	2243	45.5	2330	46.0	2354
GR	37.5	2380	40.0	2411	36.5	2425	43.5	2446	26.5	2482
GR	21.0	2503	16.5	2538	16.5	2672	14.0	2705	26.5	2726
GR	34.5	2736	41.5	2748	48.0	2791	48.0	2849	50.5	2949
GR	49.5	2985	55.5	3021	57.0	3066	44.0	3175	38.5	3230
GR	32.5	3242	25.5	3250	13.5	3371	16.0	3418	16.5	3466
GR	24.5	3524	34.5	3539	39.5	3549	58.0	3704	58.5	3874
GR	61.5	4034	83.0	4140	100.5	4250				
X1665026	0	0	0	0	50	50	50			
X3	10									
NH	5	0.18	2446	0.050	2746	0.14	3175	0.050	3704	0.18
NH	4250									
X1665027	94	2446	3704	1	1	1				
BT	10	1000	100.5	94.0	2354	100.5	94.0	2355	100.5	73.5
BT	2736	100.5	73.5	2737	100.5	94.0	3242	100.5	94.0	3243
BT	100.5	73.5	3539	100.5	73.5	3540	100.5	94.0	4140	100.5
BT	94.0									
GR	100.5	1000	76.5	1000	68.5	1124	100.5	1128	100.5	1140
GR	68.5	1144	63.5	1153	64.0	1191	69.5	1207	100.5	1209
GR	100.5	1216	69.3	1218	66.6	1313	100.5	1317	100.5	1329

GR	66.0	1323	74.0	1337	71.0	1405	100.5	1409	100.5	1421
GR	70.0	1425	60.5	1502	100.5	1506	100.5	1518	59.5	1522
GR	50.5	1658	52.9	1999	100.5	2027	100.5	2111	54.5	2139
GR	56.0	2243	45.5	2330	46.0	2354	100.5	2355	100.5	2362
GR	43.4	2364	37.5	2380	40.0	2411	36.5	2425	43.5	2446
GR	32.0	2470	100.5	2472	100.5	2478	26.5	2480	16.5	2538
GR	16.5	2610	100.5	2612	100.5	2618	16.5	2620	16.5	2672
GR	19.0	2705	34.5	2736	100.5	2737	100.5	2744	41.5	2746
GR	48.0	2791	48.0	2849	50.5	2949	100.5	2965	100.5	3013
GR	55.5	3029	57.0	3066	44.0	3175	38.5	3230	32.5	3242
GR	100.5	3243	100.5	3250	25.5	3252	13.5	3371	16.0	3418
GR	100.5	3420	100.5	3426	16.1	3428	16.5	3466	24.5	3524
GR	28.5	3530	100.5	3532	100.5	3539	34.5	3540	46.5	3610
GR	100.5	3614	100.5	3626	49.0	3630	58.0	3704	100.5	3716
GR	100.5	3722	58.2	3764	58.5	3874	61.5	4034	100.5	3938
GR	100.5	4050	65.0	4054	33.0	4140	100.5	4250		
X1665033		0	0	0	6	6	6			
X2							1			
NH	5	0.18	2446	0.050	2748	0.14	3175	0.050	3704	0.18
NH	4250									
X1665034		53	2446	3704	1	1	1			
X3	10									
GR	100.5	1000	76.5	1000	77.0	1055	68.5	1076	68.5	1144
GR	63.5	1153	64.0	1191	69.5	1207	66.0	1333	74.0	1337
GR	70.0	1425	66.5	1432	65.0	1485	60.5	1502	58.5	1541
GR	50.5	1658	53.5	2069	56.0	2243	45.5	2330	46.0	2354
GR	37.5	2380	40.0	2411	36.5	2425	43.5	2446	76.5	2482
GR	21.0	2503	16.5	2538	16.5	2672	19.0	2705	26.5	2726
GR	34.5	2736	41.5	2748	48.0	2791	48.0	2849	50.5	2949
GR	49.5	2985	55.5	3071	57.0	3066	44.0	3175	38.5	3230
GR	32.5	3242	25.5	3250	13.5	3371	16.0	3418	16.5	3466
GR	24.5	3524	34.5	3539	39.5	3549	58.0	3704	58.5	3874
GR	61.5	4034	83.0	4140	100.5	4250				
X1665084		0	0	0	50	50	50			
NH	5	0.18	2446	0.050	2748	0.14	3175	0.050	3704	0.18
NH	4250									
X1666714					1630	1630	1630		2.7	
X1668359					1645	1645	1645		2.8	
X1670814					2455	2455	2455		3.8	
X1673000					2193	2193	2193		3.6	
NH	5	0.18	1325	0.070	1994	0.14	3830	0.070	4114	0.18
NH	5070									
X1674000		60	1325	4114	500	500	500		-5.1	
GR	96.5	950	65.8	1100	59.9	1200	58.7	1264	59.3	1298
GR	55.7	1325	50.2	1344	43.8	1351	40.3	1373	41.4	1400
GR	40.6	1475	58.0	1529	48.3	1536	42.5	1561	44.6	1591
GR	42.5	1620	43.5	1649	42.0	1700	42.8	1825	39.4	1850
GR	42.5	1875	42.9	1950	46.8	1983	54.2	1994	56.6	2050
GR	54.6	2098	44.8	2106	42.6	2131	44.8	2156	45.6	2204
GR	51.8	2214	57.1	2261	57.5	2338	57.5	2400	59.2	2500
GR	51.7	2700	50.7	2800	59.2	2900	66.2	2920	65.1	3500
GR	62.1	3715	62.8	3789	57.6	3830	45.1	3839	36.6	3914
GR	37.0	3965	32.3	4000	40.5	4020	44.9	4073	58.5	4114
GR	63.2	4233	54.0	4274	56.1	4300	56.9	4400	61.3	4473
GR	71.6	4500	74.0	4600	71.6	4700	70.4	4800	89.1	5070
X1675000					1500	1500	1500		2.4	
X1676582					1582	1582	1582		3.5	
X1676632					50	50	50			
X1676633		96	1230	4266	1	1	1			
BT	7	1000	86.7	82.5	1100	86.0	82.5	1230	86.0	82.4
BT	4400	86.1	82.5	4700	86.9	82.5	4970	88.5	82.5	5070
BT	89.1	89.1								
GR	86.7	1000	86.0	1100	86.0	1150	86.0	1230	82.5	1230
GR	58.7	1264	86.0	1264	86.0	1276	58.9	1276	59.3	1298
GR	57.2	1313	86.0	1313	86.0	1325	55.7	1325	50.2	1344
GR	43.8	1351	40.3	1373	40.9	1388	86.0	1388	86.0	1400

GR	41.4	1400	40.7	1463	86.0	1463	86.0	1475	40.6	1475
GR	58.0	1529	48.3	1536	86.0	1536	86.0	1548	45.7	1548
GR	42.5	1561	44.6	1591	42.5	1620	43.5	1649	42.0	1700
GR	86.0	1700	86.0	1760	42.3	1760	42.8	1825	39.4	1850
GR	42.5	1875	42.9	1950	46.8	1983	54.2	1994	86.0	1994
GR	86.0	2006	54.6	2006	56.6	2050	55.0	2086	86.0	2086
GR	86.0	2098	54.6	2098	44.8	2106	42.6	2131	44.8	2156
GR	86.0	2156	86.0	2168	45.0	2168	45.6	2204	51.8	2214
GR	57.1	2261	57.3	2314	86.0	2314	86.0	2338	57.5	2338
GR	82.5	2390	86.0	2390	86.0	3725	82.5	3725	62.8	3752
GR	86.0	3752	86.0	3764	62.8	3764	62.8	3789	57.6	3830
GR	86.0	3830	45.1	3839	36.6	3914	37.0	3964	86.0	3964
GR	86.0	3964	86.0	3964	32.3	4000	40.5	4020	44.9	4073
GR	58.3	4114	62.0	4209	86.0	4209	86.0	4233	63.2	4233
GR	82.5	4266	86.0	4266	86.1	4400	86.9	4700	88.5	4970
GR	89.1	5070								
X1676671	0	0	0	38	38	38				
X2						1				
X1676672	60	1325	4114	1	1	1				
GR	96.5	950	65.8	1100	59.9	1200	58.7	1264	59.3	1298
GR	55.7	1325	50.2	1344	43.8	1351	40.3	1373	41.4	1400
GR	40.6	1475	58.0	1529	48.3	1536	42.5	1561	44.6	1591
GR	42.5	1620	43.5	1649	42.0	1700	42.8	1825	39.4	1850
GR	42.5	1875	42.9	1950	46.8	1983	54.2	1994	56.6	2050
GR	54.5	2098	44.8	2106	42.6	2131	44.8	2156	45.6	2204
GR	51.8	2214	57.1	2261	57.5	2338	57.5	2400	59.2	2500
GR	51.7	2700	50.7	2800	59.2	2900	66.2	2920	65.1	3500
GR	63.1	3715	62.8	3789	57.6	3830	45.1	3839	36.6	3914
GR	37.0	3965	32.3	4000	40.5	4020	44.9	4073	58.5	4114
GR	63.2	4233	54.0	4274	56.1	4300	56.9	4400	61.3	4473
GR	71.6	4500	74.0	4600	71.6	4700	70.4	4800	89.1	5070
X1676690				19	19	19				
X1676691	96	1230	4266	1	1	1				
BT	7	1000	86.7	82.5	1100	86.0	82.5	1230	86.0	82.4
BT	4400	86.1	82.5	4700	86.9	82.5	4970	88.5	82.5	5070
BT	89.1	89.1								
GR	86.7	1000	86.0	1100	86.0	1150	86.0	1230	82.5	1230
GR	58.7	1264	86.0	1264	86.0	1276	58.9	1276	59.3	1298
GR	57.2	1313	86.0	1313	86.0	1325	55.7	1325	50.2	1344
GR	43.8	1351	40.3	1373	40.8	1389	86.0	1389	86.0	1400
GR	41.4	1400	40.7	1463	86.0	1463	86.0	1475	40.6	1475
GR	58.0	1529	48.3	1536	86.0	1536	86.0	1548	45.7	1548
GR	42.5	1561	44.6	1591	42.5	1620	43.5	1649	42.0	1700
GR	86.0	1700	86.0	1760	42.3	1760	42.8	1825	39.4	1850
GR	42.5	1875	42.9	1950	46.8	1983	54.2	1994	86.0	1994
GR	86.0	2006	54.6	2006	56.6	2050	55.0	2086	86.0	2086
GR	86.0	2098	54.6	2098	44.8	2106	42.6	2131	44.8	2156
GR	86.0	2156	86.0	2168	45.0	2168	45.6	2204	51.8	2214
GR	57.1	2261	57.3	2314	86.0	2314	86.0	2338	57.5	2338
GR	82.5	2390	86.0	2390	86.0	3725	82.5	3725	62.8	3752
GR	86.0	3752	86.0	3764	62.8	3764	62.8	3789	57.6	3830
GR	86.0	3830	45.1	3839	36.6	3914	37.0	3964	86.0	3964
GR	96.0	3964	86.0	3964	32.3	4000	40.5	4020	44.9	4073
GR	58.3	4114	62.0	4209	86.0	4209	86.0	4233	63.2	4233
GR	82.5	4266	86.0	4266	86.1	4400	86.9	4700	88.5	4970
GR	89.1	5070								
X1676729				38	38	38				
X2						1				
X1676730	60	1325	4114	1	1	1				
GR	96.5	950	65.8	1100	59.9	1200	58.7	1264	59.3	1298
GR	55.7	1325	50.2	1344	43.8	1351	40.3	1373	41.4	1400
GR	40.6	1475	58.0	1529	48.3	1536	42.5	1561	44.6	1591
GR	42.5	1620	43.5	1649	42.0	1700	42.8	1825	39.4	1850
GR	42.5	1875	42.9	1950	46.8	1983	54.2	1994	56.6	2050
GR	54.6	2098	44.8	2106	42.6	2131	44.8	2156	45.6	2204
GR	51.8	2214	57.1	2261	57.5	2338	57.5	2400	59.2	2500

GR	51.7	2700	50.7	2800	59.2	2900	66.2	2920	65.1	3500
GR	63.1	3715	62.8	3789	57.6	3830	45.1	3839	36.6	3914
GR	37.0	3965	32.3	4000	40.5	4020	44.9	4073	58.5	4114
GR	63.2	4233	54.0	4274	56.1	4300	56.9	4400	61.3	4473
GR	71.6	4500	74.0	4600	71.6	4700	70.4	4800	89.1	5070
X1676780					50	50	50			
NC	0.19	0.19	0.053							
X1679073					2193	2193	2193		0.7	
X1682500	60	1632	2430		3527	3527	3527		-2.0	
GR	105.0	900	62.2	1035	59.1	1100	57.6	1124	57.3	1128
GR	57.8	1133	57.7	1147	54.4	1200	54.3	1265	50.9	1271
GR	56.0	1277	55.5	1300	58.3	1400	59.0	1500	54.7	1600
GR	53.8	1632	50.7	1636	44.9	1650	40.9	1687	43.9	1700
GR	41.9	1750	41.9	1800	42.7	1850	43.9	1900	49.9	1930
GR	52.0	1936	51.4	1950	52.0	1970	50.4	1979	44.7	1985
GR	40.9	2025	40.4	2075	38.4	2125	39.7	2175	42.1	2225
GR	43.4	2275	43.1	2325	43.9	2375	46.4	2425	55.5	2430
GR	59.5	2445	60.1	2456	59.9	2475	62.8	2497	60.8	2600
GR	59.1	2800	62.3	2900	59.4	3000	62.9	3056	74.0	3079
GR	71.3	3090	67.6	3100	66.1	3108	67.3	3119	69.9	3126
GR	73.5	3140	72.7	3145	98.9	3183	101.2	3200	106.5	3260
NC	0.18	0.18	0.047							
X1687500					5000	5000	5000		0.6	
X1691580	43	1944	2658		4080	4080	4080			
GR	90.0	100	66.4	1100	66.1	1200	64.6	1300	65.4	1400
GR	59.2	1500	60.3	1600	59.2	1700	59.7	1842	58.6	1900
GR	56.9	1944	52.4	1954	48.1	1983	48.7	2010	46.4	2043
GR	46.9	2071	45.2	2100	47.1	2131	46.4	2158	47.5	2188
GR	46.8	2212	44.2	2247	47.5	2282	45.5	2315	44.1	2350
GR	42.6	2374	43.8	2400	43.8	2444	43.4	2476	45.7	2500
GR	45.0	2535	43.0	2569	41.0	2600	47.5	2630	52.0	2635
GR	55.8	2658	60.6	2683	62.6	2698	73.6	2729	78.7	2754
GR	86.1	2784	86.7	3000	94.0	3100				
X1691630					50	50	50			
X1691631					1	1	1			
BT	11	100	90.0	78.6	1000	81.9	78.6	1300	61.9	78.6
BT	1842	83.0	81.9	1843	83.0	78.6	2754	85.9	81.9	2784
BT	86.1	84.3	2804	86.2	84.3	2805	86.2	83.7	2965	86.6
BT	84.2	3000	86.7	84.2						
GR	90.0	100	81.9	460	81.9	1000	81.9	1300	83.0	1842
GR	77.5	1843	60.0	1872	58.6	1900	83.2	1900	83.3	1920
GR	58.0	1920	56.9	1944	83.5	1944	83.5	1964	50.8	1964
GR	48.1	1983	48.7	2010	83.6	2010	83.7	2030	47.3	2030
GR	46.4	2043	46.9	2071	83.8	2071	83.9	2091	45.8	2091
GR	45.2	2100	47.1	2131	47.0	2138	84.0	2138	84.1	2158
GR	46.4	2158	47.5	2188	47.3	2192	84.2	2192	84.2	2212
GR	46.8	2212	44.2	2247	45.3	2262	84.5	2262	84.5	2282
GR	46.3	2282	45.5	2315	45.0	2330	84.6	2330	84.6	2350
GR	44.1	2350	42.6	2374	43.8	2400	84.8	2400	84.8	2420
GR	43.8	2420	43.6	2456	85.0	2456	85.1	2476	43.4	2476
GR	43.4	2476	45.7	2500	45.4	2515	85.2	2515	85.2	2535
GR	45.0	2535	43.0	2569	42.3	2580	85.4	2580	85.5	2600
GR	41.0	2600	47.5	2630	85.5	2630	85.6	2650	55.0	2650
GR	55.8	2658	60.6	2683	85.7	2683	85.8	2703	65.2	2703
GR	73.6	2729	78.7	2754	86.1	2784	86.2	2804	86.2	2805
GR	86.6	2965	86.7	3000						
X1691669	0	0	0	38	38	38				
X2					1	1	1			
X1691670	43	1944	2658		1	1	1			
GR	90.0	100	66.4	1100	66.1	1200	64.6	1300	65.4	1400
GR	59.2	1500	60.3	1600	59.2	1700	59.7	1842	58.6	1900
GR	56.9	1944	52.4	1954	48.1	1983	48.7	2010	46.4	2043
GR	46.9	2071	45.2	2100	47.1	2131	46.4	2158	47.5	2188
GR	46.8	2212	44.2	2247	86.3	2282	45.5	2315	44.1	2350
GR	42.6	2374	43.8	2400	43.8	2444	43.4	2476	45.7	2500
GR	45.0	2535	43.0	2569	41.0	2600	47.5	2630	52.0	2635

GR 55.8	2658	60.6	2683	62.6	2698	73.6	2729	78.7	2754
GR 86.1	2784	86.7	3000	94.0	3100				
X1691720	48	1912	2683	50	50	50			
GR 90.0	100	66.4	1100	66.1	1200	64.6	1300	65.4	1400
GR 59.2	1500	60.3	1600	59.2	1700	59.7	1800	57.3	1912
GR 52.4	1954	52.4	1954	48.7	2010	46.4	2043	46.9	2071
GR 45.2	2100	47.1	2131	46.4	2158	47.5	2188	46.8	2212
GR 44.2	2247	46.3	2282	45.5	2315	44.1	2350	42.6	2374
GR 43.8	2400	43.8	2444	45.7	2500	41.0	2600	47.5	2630
GR 52.0	2635	55.8	2658	60.6	2683	62.6	2699	73.6	2729
GR 78.7	2744	85.8	2755	85.9	2770	85.0	2784	80.5	2798
GR 77.3	2803	69.8	2819	70.7	2841	72.5	2951	79.6	2856
GR 81.6	2870	85.8	2886	91.1	2899				
NH 5	0.18	1313	0.10	2945	0.050	3055	0.10	3785	0.18
NH 3965									
X1692000	10	1313	3785	280	280	280			
GR 119.3	1000	74.3	1241	43.3	1313	43.3	2945	15	2960
GK 15	3040	43.3	3055	43.3	3785	74.3	3867	119.3	3965
X1692500	10	1313	3785	500	500	500			
GR 121	1000	76	1241	45	1313	45	2945	15	2960
GR 15	3040	45	3055	45	3785	76	3867	121	3965
X1693500	10	1313	3785	1000	1000	1000			
GR 124.5	1000	79.5	1241	48.5	1313	48.5	2945	15	2960
GR 15	3040	48.5	3055	48.5	3785	79.5	3867	124.5	3965
X1695000	10	1313	3785	1500	1500	1500			
GR 129.5	1000	84.5	1241	53.5	1313	53.5	2945	15	2960
GR 15	3040	53.5	3055	53.5	3785	84.5	3867	129.5	3965
X1696365	10	1313	3785	1865	1865	1865			
GR 134	1000	89	1241	58	1313	58	2945	15	2960
GR 15	3040	58	3055	58	3785	89	3867	134	3965
X1698000	10	1313	3785	1635	1635	1635			
GR 139.7	1000	94.7	1241	63.7	1313	63.7	2945	15	2960
GR 15	3040	63.7	3055	63.7	3785	94.7	3867	139.7	3965
X1699820	10	1313	3785	1820	1820	1820			
GR 146	1000	101	1241	70	1313	70	2945	15	2960
GR 15	3040	70	3055	70	3785	101	3867	146	3965

J

EJ									
T1	LOWER ROANOKE RIVER								
T2	JOHN H KERR 216 STUDY								
T3	35000 CFS, NO ET CARDS 5/82 CWF								
J1	3							1.5	
J2	2	0	-1						
T1	LOWER ROANOKE RIVER								
T2	JOHN H KERR 216 STUDY								
T3	1945 FLOOD, NO ET CARDS 5/82 CWF								
J1	4							1.0	
J2	3	0	-1						
T1	LOWER ROANOKE RIVER								
T2	JOHN H KERR 216 STUDY								
T3	1940 FLOOD PROFILE 5/82 CWF								
J1	-10	5						1.0	
J2	15	0	-1						

↑ ER