

THIS RUN EXECUTED 14 OCT 77 08,52

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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
ERROR CORR - 01  
MODIFICATION - 50,51,52  
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*Handwritten:* \* J55 RLY 5503

C  
T1 GUILFORD COUNTY FIA STUDY- 10 YR FLOOD  
T2 WAW RIVER (STREAM NO 44), NC 87 NR ALTAMAHAN TO GUILFORD-FORSYTH CO LINE  
T3 AUG 1977 ULG

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FJ  
-1. 6. 0. 0. .001732 0.00 -1.0 0. 595.710 0.000

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE  
1.000 0.000 -1.0P3 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NC .120 .120 .065 .200 .400 0.000 0.000 0.000 0.000 0.000 0.000  
QT 9.000 1000.000 2000.000 5000.000 10000.000 4900.000 11000.000 15000.000 31500.000 15000.000

X1 294977.000 37.000 1613.000 1691.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
GR 623.200 1000.000 618.300 1100.000 614.000 1200.000 607.400 1309.000 607.200 1310.000  
GR 606.200 1316.000 601.400 1321.000 597.700 1329.000 596.900 1340.000 600.400 1348.000  
GR 606.200 1354.000 607.200 1358.000 609.300 1376.000 608.400 1389.000 600.200 1403.000  
GR 595.100 1461.000 602.000 1472.000 598.500 1478.000 598.400 1482.000 593.200 1492.000  
GR 592.000 1541.000 591.100 1569.000 590.500 1600.000 589.700 1613.000 584.000 1629.000  
GR 583.400 1641.000 583.600 1660.000 584.100 1674.000 586.700 1682.000 589.500 1691.000  
GR 591.300 1705.000 603.100 1725.000 593.300 1735.000 604.300 1768.000 606.200 1800.000  
GR 618.000 2000.000 621.000 2040.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 295027.000 37.000 1472.000 1725.000 50.000 50.000 50.000 0.000 0.000 0.000  
X3 10.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
GR 623.200 1000.000 618.300 1100.000 614.000 1200.000 608.400 1309.000 605.800 1310.000  
GR 606.200 1316.000 601.400 1321.000 597.700 1329.000 596.900 1340.000 605.700 1348.000  
GR 606.200 1354.000 607.200 1358.000 609.300 1376.000 608.400 1389.000 600.400 1390.000  
GR 595.100 1461.000 602.000 1472.000 598.500 1478.000 598.400 1482.000 600.200 1403.000  
GR 592.000 1541.000 591.100 1569.000 590.500 1600.000 598.400 1482.000 593.200 1492.000  
GR 583.400 1641.000 583.600 1660.000 584.100 1674.000 586.700 1682.000 584.000 1629.000  
GR 591.300 1705.000 603.100 1725.000 593.300 1735.000 604.300 1768.000 589.500 1691.000  
GR 618.000 2000.000 621.000 2040.000 0.000 0.000 0.000 0.000 606.200 1800.000

NC 87

X1 295028.000 47.000 1613.000 1691.000 1.000 1.000 1.000 0.000 0.000 0.000  
GR 620.000 1000.000 610.300 1100.000 609.400 1200.000 607.400 1309.000 607.200 1310.000  
GR 606.200 1316.000 601.400 1321.000 597.700 1329.000 596.900 1340.000 600.400 1348.000  
GR 606.200 1354.000 607.200 1358.000 609.300 1376.000 608.400 1389.000 600.200 1403.000  
GR 604.500 1463.000 602.000 1472.000 598.500 1478.000 598.400 1482.000 593.200 1492.000  
GR 593.000 1514.000 605.900 1516.000 593.000 1518.000 592.600 1541.000 591.100 1569.000  
GR 605.800 1571.000 591.000 1573.000 590.500 1600.000 589.700 1613.000 583.300 1623.000  
GR 607.800 1625.000 584.200 1627.000 584.000 1628.000 583.400 1641.000 583.600 1660.000  
GR 584.100 1674.000 585.500 1678.000 585.000 1680.000 586.700 1682.000 589.500 1691.000  
GR 591.300 1705.000 603.100 1725.000 605.900 1734.000 609.300 1735.000 600.600 1800.000

GR	611.400	1905.000	623.000	2000.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	14.000	1000.000	611.900	611.700	1100.000	610.300	610.300	1200.000	609.400	609.400
BT	1309.000	609.400	609.400	1310.000	609.400	607.200	1358.000	609.400	607.200	1359.000
BT	609.400	609.400	1461.000	609.300	609.300	1462.000	609.300	609.400	1734.000	609.300
BT	609.900	1733.000	609.300	609.300	1800.000	609.600	609.600	1905.000	611.400	611.400
B:	2050.000	612.200	615.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295032.000	0.000	0.000	0.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	295053.000	37.000	1472.000	1725.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	609.300	609.300	0.000
GR	623.200	1000.000	618.300	1100.000	624.000	1200.000	608.400	1230.000	605.700	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1348.000
GR	606.200	1354.000	608.800	1359.000	607.300	1378.000	608.400	1389.000	600.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1478.000	598.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1509.000	590.500	1500.000	589.700	1513.000	584.000	1525.000
GR	583.400	1641.000	583.600	1660.000	584.100	1674.000	586.700	1682.000	589.500	1691.000
GR	591.300	1705.000	603.100	1725.000	593.300	1735.000	604.300	1766.000	606.200	1800.000
GR	618.000	2000.000	621.800	2000.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295103.000	37.000	1613.000	1691.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	623.200	1000.000	618.300	1100.000	614.000	1200.000	608.400	1230.000	605.700	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1348.000
GR	606.200	1354.000	608.800	1359.000	607.300	1378.000	608.400	1389.000	600.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1478.000	598.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1509.000	590.500	1500.000	589.700	1513.000	584.000	1525.000
GR	583.400	1641.000	583.600	1660.000	584.100	1674.000	586.700	1682.000	589.500	1691.000
GR	591.300	1705.000	603.100	1725.000	593.300	1735.000	604.300	1766.000	606.200	1800.000
GR	618.000	2000.000	621.800	2000.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295399.000	25.000	1563.000	1809.000	296.000	296.000	296.000	0.000	0.000	0.000
GR	623.200	1000.000	618.300	1100.000	614.000	1200.000	608.400	1230.000	605.700	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1348.000
GR	606.200	1354.000	608.800	1359.000	607.300	1378.000	608.400	1389.000	600.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1478.000	598.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1509.000	590.500	1500.000	589.700	1513.000	584.000	1525.000
GR	583.400	1641.000	583.600	1660.000	584.100	1674.000	586.700	1682.000	589.500	1691.000
GR	591.300	1705.000	603.100	1725.000	593.300	1735.000	604.300	1766.000	606.200	1800.000
GR	618.000	2000.000	621.800	2000.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295400.000	25.000	1491.000	1841.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	623.200	1000.000	618.300	1100.000	614.000	1200.000	608.400	1230.000	605.700	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1348.000
GR	606.200	1354.000	608.800	1359.000	607.300	1378.000	608.400	1389.000	600.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1478.000	598.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1509.000	590.500	1500.000	589.700	1513.000	584.000	1525.000
GR	583.400	1641.000	583.600	1660.000	584.100	1674.000	586.700	1682.000	589.500	1691.000
GR	591.300	1705.000	603.100	1725.000	593.300	1735.000	604.300	1766.000	606.200	1800.000
GR	618.000	2000.000	621.800	2000.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295401.000	42.000	1625.000	1751.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	623.200	1000.000	618.300	1100.000	614.000	1200.000	608.400	1230.000	605.700	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1348.000
GR	606.200	1354.000	608.800	1359.000	607.300	1378.000	608.400	1389.000	600.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1478.000	598.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1509.000	590.500	1500.000	589.700	1513.000	584.000	1525.000
GR	583.400	1641.000	583.600	1660.000	584.100	1674.000	586.700	1682.000	589.500	1691.000
GR	591.300	1705.000	603.100	1725.000	593.300	1735.000	604.300	1766.000	606.200	1800.000
GR	618.000	2000.000	621.800	2000.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	642.300	2500.000	647.200	2600.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295482.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
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X1 295405.000	0.000	0.000	0.000	0.000	3.000	3.000	0.000	0.000	0.000
X1 295410.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
X1 295420.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X1 295450.000	0.000	0.000	0.000	30.000	30.000	30.000	1.000	.200	0.000
X1 295500.000	0.000	0.000	0.000	50.000	50.000	50.000	1.000	.200	0.000
X1 295600.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	.200	0.000
X1 296000.000	0.000	0.000	0.000	400.000	400.000	400.000	1.000	.300	0.000
X1 297000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	.600	0.000
DT	9.000	1000.000	2000.000	5000.000	10000.000	10700.000	14000.000	31000.000	14000.000

X1 298000.000	50.000	4604.600	4695.000	1300.000	1000.000	1000.000	1.000	-1.500	0.000
GR	691.300	1000.000	671.900	1200.000	671.700	1300.000	650.600	1900.000	643.900
GR	649.300	1653.000	649.900	1700.000	646.800	1800.000	642.400	1873.000	642.900
GR	649.700	2650.000	648.400	2100.000	638.400	2200.000	635.000	2440.000	635.000
GR	634.100	2600.000	649.700	2705.000	646.100	2865.000	647.300	2900.000	646.800
GR	642.800	2920.000	647.000	2927.000	663.400	3068.000	660.200	3180.000	659.900
GR	658.300	3300.000	653.200	3400.000	644.500	3500.000	644.100	3532.000	644.600
GR	647.000	3600.000	640.800	3900.000	641.300	4000.000	639.000	4100.000	632.400
GR	627.700	4300.000	623.800	4400.000	606.000	4604.000	600.500	4606.000	597.300
GR	598.500	4629.000	598.300	4646.000	597.500	4651.000	599.100	4673.000	609.700
GR	610.200	4695.000	610.800	4724.000	609.900	4900.000	622.800	5000.000	632.200
GR	641.700	5135.000	651.300	5260.000	650.700	5300.000	664.400	5400.000	673.400
GR	665.700	5600.000	669.000	5622.000	694.100	5660.000	0.000	0.000	0.000

NEAR ALTAMAHAW DAMSITE

X1 300000.000	0.000	0.000	0.000	2000.000	2000.000	2000.000	1.000	1.500	0.000
X1 308740.000	51.000	2695.000	2761.000	8740.000	6740.000	8740.000	0.000	0.000	0.000
GR	644.600	1000.000	691.800	1022.000	657.300	1060.000	600.000	1100.000	654.800
GR	665.100	1300.000	660.400	1430.000	656.000	1444.000	650.400	1500.000	644.700
GR	638.000	1700.000	634.000	1750.000	629.800	1800.000	628.600	1812.000	628.000
GR	624.400	1863.000	620.700	1875.000	621.900	1924.000	624.300	1927.000	626.400
GR	629.800	1965.000	631.600	2000.000	630.800	2100.000	628.000	2200.000	624.000
GR	619.700	2400.000	619.000	2500.000	618.500	2515.000	615.700	2542.000	613.500
GR	619.000	2664.000	613.300	2674.000	610.900	2695.000	610.500	2698.000	602.900
GR	602.900	2721.000	601.800	2739.000	602.200	2793.000	600.300	2797.000	611.700
GR	619.900	2795.000	622.300	2800.000	626.500	2810.000	631.300	2819.000	637.300
GR	641.700	2845.000	646.000	2867.000	654.000	2900.000	665.000	2973.000	669.100
GR	677.600	3065.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1 311430.000	27.000	1000.000	1061.000	2690.000	2690.000	2690.000	0.000	0.000	0.000
GR	690.000	770.000	640.000	810.000	630.000	850.000	625.000	875.000	620.000
GR	619.000	930.000	613.500	1000.000	608.100	1000.000	600.900	1012.000	600.100
GR	604.200	1015.000	603.300	1020.000	603.000	1025.000	603.000	1030.000	603.100
GR	603.500	1040.000	603.200	1045.000	602.800	1050.000	603.700	1055.000	606.100

X1 295405.000	0.000	0.000	0.000	3.000	3.000	3.000	0.000	0.000	0.000
X1 295410.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
X1 295425.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X1 295450.000	0.000	0.000	0.000	30.000	30.000	30.000	1.000	.200	0.000
X1 295500.000	0.000	0.000	0.000	50.000	50.000	50.000	1.000	.200	0.000
X1 295600.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	.200	0.000
X1 296000.000	0.000	0.000	0.000	400.000	400.000	400.000	1.000	.300	0.000

X1 297000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	.600	0.000
BT	9.000	1000.000	2000.000	5000.000	10000.000	10700.000	14500.000	31000.000	14600.000

X1 298000.000	58.000	4604.000	4695.000	1000.000	1000.000	1000.000	1.000	-1.500	0.000
GR	691.300	1000.000	471.900	1200.000	571.700	1300.000	650.600	1500.000	643.900
GR	649.300	1653.000	649.900	1700.000	646.800	1800.000	642.400	1873.000	642.900
GR	649.700	2000.000	646.400	2100.000	635.400	2200.000	635.000	2490.000	635.000
GR	634.100	2600.000	649.700	2765.000	646.100	2865.000	647.300	2900.000	646.800
GR	642.800	2920.000	647.000	2927.000	665.400	3068.000	660.200	3160.000	659.900
GR	658.300	3300.000	653.200	3400.000	644.500	3500.000	644.100	3532.000	644.600
GR	647.000	3600.000	640.800	3900.000	641.300	4000.000	639.000	4100.000	632.400
GR	627.700	4300.000	623.800	4400.000	606.000	4604.000	600.500	4666.000	597.300
GR	598.500	4629.000	598.300	4644.000	597.500	4661.000	599.100	4673.000	605.700
GR	610.200	4695.000	610.800	4724.000	603.900	4900.000	622.800	5000.000	632.200
GR	641.700	5135.000	651.300	5200.000	658.700	5300.000	664.400	5400.000	673.400
GR	665.700	5600.000	689.000	5622.000	694.100	5680.000	0.500	0.000	0.000

NEAR ALYAKAHAN DAMSITE

X1 300000.000	0.000	0.000	0.000	2000.000	2000.000	2000.000	1.000	1.500	0.000
X1 308740.000	51.000	2665.000	2701.000	8740.000	8740.000	8740.000	0.000	0.000	0.000
GR	644.600	1000.000	651.500	1022.000	657.300	1060.000	660.800	1100.000	654.800
GR	665.100	1300.000	665.400	1400.000	655.000	1444.000	650.400	1500.000	644.700
GR	638.000	1700.000	634.000	1750.000	625.800	1800.000	628.600	1812.000	628.800
GR	624.400	1863.000	620.700	1874.000	621.900	1924.000	624.300	1927.000	626.400
GR	629.800	1965.000	631.600	2000.000	630.800	2100.000	628.000	2200.000	624.000
GR	619.700	2400.000	619.000	2500.000	618.500	2515.000	615.700	2542.000	613.500
GR	615.000	2664.000	613.300	2674.000	610.900	2665.000	610.500	2688.000	602.900
GR	602.900	2721.000	601.800	2739.000	602.200	2793.000	603.300	2757.000	611.700
GR	619.900	2795.000	622.300	2890.000	625.500	2810.000	631.300	2819.000	637.300
GR	641.700	2843.000	648.600	2867.000	654.900	2900.000	665.000	2973.000	669.100
GR	677.600	3065.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1 311430.000	27.000	1000.000	1001.000	2590.000	2590.000	2590.000	0.000	0.000	0.000
GR	650.000	770.000	640.000	810.000	630.000	850.000	625.000	875.000	620.000
GR	615.000	930.000	613.500	1000.000	608.100	1000.000	606.900	1018.000	606.100
GR	604.200	1015.000	603.300	1020.000	603.000	1025.000	603.000	1030.000	603.100
GR	603.500	1040.000	603.200	1045.000	602.800	1050.000	603.700	1055.000	606.100

GR	613.000	1061.000	615.000	1150.000	620.000	1150.000	625.000	1170.000	630.000	1247.000
GR	640.000	1295.000	650.000	1305.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	9.000	1000.000	2000.000	5000.000	13000.000	4800.000	30600.000	14500.000	30800.000	14500.000

X1	316700.000	25.000	2064.000	2146.000	5270.000	5270.000	5270.000	0.000	0.000	0.000
GR	640.000	1000.000	630.000	1050.000	625.000	1000.000	620.000	1900.000	619.000	2000.000
GR	618.400	2064.000	616.200	2073.000	600.100	2082.000	607.300	2100.000	607.600	2116.000
GR	609.200	2130.000	613.800	2138.000	620.400	2146.000	623.800	2154.000	626.900	2200.000
GR	638.500	2230.000	638.300	2300.000	644.900	2400.000	647.400	2500.000	650.800	2600.000
GR	659.700	2700.000	664.300	2740.000	666.400	2800.000	669.600	2900.000	671.400	3000.000

X1	316750.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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X1	316751.000	33.000	2064.000	2146.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	570.000	1100.000	665.000	1200.000	660.000	1450.000	655.000	1650.000	650.000	1720.000
GR	640.000	1000.000	630.000	1050.000	625.000	1000.000	620.000	1900.000	620.100	2000.000
GR	625.000	2062.000	622.300	2063.000	618.400	2064.000	616.200	2073.000	608.100	2082.000
GR	607.300	2100.000	607.500	2107.000	622.600	2109.000	607.500	2111.000	607.600	2116.000
GR	609.200	2130.000	613.800	2138.000	620.400	2146.000	622.700	2153.000	625.300	2154.000
GR	627.400	2200.000	634.100	2300.000	640.800	2400.000	651.000	2500.000	659.500	2700.000
GR	666.300	2800.000	670.000	2900.000	672.000	3000.000	0.000	0.000	0.000	0.000
BT	23.000	1100.000	670.000	670.000	1200.000	665.000	665.000	1450.000	660.000	660.000
BT	1650.000	650.000	550.000	1720.000	620.000	650.000	1800.000	640.000	640.000	1850.000
BT	630.000	630.000	1000.000	625.000	625.000	1900.000	620.000	2000.000	2000.000	625.100
BT	620.100	2062.000	625.000	625.000	2063.000	625.000	622.300	2109.000	625.300	627.600
BT	2153.000	625.300	622.700	2154.000	625.300	625.300	2200.000	627.400	627.400	2300.000
BT	634.100	634.100	2400.000	640.800	640.800	2500.000	651.000	651.000	2700.000	659.500
BT	659.500	2800.000	656.300	666.300	2800.000	670.000	670.000	3000.000	672.000	672.000

X1	316760.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	316770.000	25.000	2064.000	2146.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	640.000	1000.000	630.000	1050.000	625.000	1000.000	620.000	1900.000	619.000	2000.000
GR	618.400	2064.000	616.200	2073.000	600.100	2082.000	607.300	2100.000	607.600	2116.000
GR	609.200	2130.000	613.800	2138.000	620.400	2146.000	623.800	2154.000	626.900	2200.000
GR	638.500	2230.000	638.300	2300.000	644.900	2400.000	647.400	2500.000	650.800	2600.000
GR	659.700	2700.000	664.300	2740.000	666.400	2800.000	669.600	2900.000	671.400	3000.000

X1	316820.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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X1	317249.000	10.000	1270.000	1352.000	429.000	429.000	429.000	0.000	0.000	0.000
GR	645.000	1000.000	616.500	1279.000	612.300	1283.000	611.200	1290.000	610.500	1291.000
GR	609.400	1325.000	609.100	1345.000	607.500	1361.000	609.500	1367.000	610.000	1368.000
GR	611.800	1369.000	617.200	1370.000	605.000	1380.000	0.000	0.000	0.000	0.000
NC	.120	.120	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	317250.000	10.000	1290.000	1362.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	645.000	1000.000	610.300	1279.000	613.300	1283.000	610.300	1290.000	614.300	1291.000
GR	614.300	1325.000	614.300	1345.000	614.300	1361.000	610.300	1362.000	610.300	1368.000
GR	610.300	1369.000	645.000	1350.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.120	.120	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	317251.000	21.000	1270.000	1352.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	645.000	1000.000	630.200	1090.000	602.000	1100.000	600.700	1100.000	620.700	1200.000
GR	620.100	1250.000	619.500	1266.000	617.000	1276.000	611.600	1284.000	612.100	1300.000
GR	611.200	1325.000	610.900	1335.000	612.300	1343.000	617.100	1352.000	619.800	1363.000

GR	621,200	1400,000	622,100	1409,000	621,700	1419,000	626,400	1449,000	633,700	1463,000
GR	645,000	1500,000	0,000	0,000	0,000	0,600	0,000	0,000	0,000	0,500
X1	317252,000	0,000	0,000	0,000	1,000	1,000	1,000	0,000	0,000	0,000
X1	317255,000	0,000	0,000	0,000	3,000	3,000	3,000	0,000	0,000	0,000
X1	317260,000	0,000	0,000	0,000	5,000	5,000	5,000	0,000	0,000	0,000
X1	317275,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
QT	9,000	1000,000	2000,000	3000,000	10000,000	4690,000	10400,000	14200,000	30000,000	14200,000
X1	323715,000	20,000	2043,000	2112,000	6445,000	6445,000	6445,000	0,000	0,000	0,000
GR	670,300	1000,000	668,600	1100,000	665,100	1200,000	662,300	1300,000	654,500	1500,000
GR	642,000	1000,000	637,000	1700,000	629,600	1800,000	626,300	1900,000	625,700	1931,000
GR	623,300	2000,000	619,500	2043,000	615,600	2053,000	613,000	2073,000	615,000	2100,000
GR	623,800	2112,000	635,700	2149,000	643,200	2200,000	652,900	2300,000	654,700	2342,000
GR	655,000	2340,000	655,000	2400,000	650,000	2500,000	660,800	2600,000	664,000	2700,000
GR	665,600	2600,000	668,600	2900,000	670,000	3000,000	0,000	0,000	0,000	0,000
X1	323815,000	0,000	0,000	0,000	100,000	100,000	100,000	0,000	0,000	0,000
SH 2712										
X1	323816,000	33,000	2044,000	2112,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	668,000	1000,000	664,300	1100,000	645,400	1500,000	642,100	1600,000	640,300	1700,000
GR	640,200	1800,000	640,800	1930,000	637,900	1931,000	615,200	1955,000	624,200	1903,000
GR	638,400	1980,000	624,000	1987,000	623,300	2000,000	619,200	2040,000	638,900	2042,000
GR	618,400	2044,000	615,600	2053,000	613,000	2073,000	614,400	2093,000	639,500	2095,000
GR	614,800	2097,000	615,000	2100,000	623,800	2112,000	625,300	2123,000	638,900	2140,000
GR	643,100	2149,000	643,900	2200,000	646,700	2300,000	651,000	2400,000	661,100	2600,000
GR	667,300	2600,000	669,400	2900,000	670,700	3000,000	0,000	0,000	0,000	0,000
BT	10,000	1000,000	668,000	668,000	1100,000	664,300	664,300	1500,000	645,400	645,400
BT	1600,000	642,100	642,100	1700,000	640,300	640,300	1800,000	640,200	640,200	1930,000
BT	640,800	640,800	1931,000	640,800	637,900	2040,000	641,900	638,900	2140,000	643,100
BT	646,100	2149,000	643,100	643,100	2200,000	643,900	643,900	2300,000	646,700	646,700
BT	2400,000	651,000	651,000	2600,000	661,100	651,100	2800,000	667,300	667,300	2900,000
BT	669,400	669,400	3000,000	670,700	670,700	0,000	0,000	0,000	0,000	0,000
X1	323844,000	0,000	0,000	0,000	28,000	28,000	28,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
X1	323845,000	28,000	2043,000	2112,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	670,300	1000,000	668,600	1100,000	665,100	1200,000	662,300	1300,000	654,500	1500,000
GR	642,000	1000,000	637,000	1700,000	629,600	1800,000	626,300	1900,000	625,700	1931,000
GR	623,300	2000,000	619,500	2043,000	615,600	2053,000	613,000	2073,000	615,000	2100,000
GR	623,800	2112,000	635,700	2149,000	643,200	2200,000	652,900	2300,000	654,700	2342,000
GR	655,000	2340,000	655,000	2400,000	650,000	2500,000	660,800	2600,000	664,000	2700,000
GR	665,600	2600,000	668,600	2900,000	670,000	3000,000	0,000	0,000	0,000	0,000
X1	323945,300	0,000	0,000	0,000	100,000	100,000	100,000	0,000	0,000	0,000
X1	324500,000	0,000	0,000	0,000	555,000	555,000	555,000	1,000	700	0,000

x1 325000.000 0.000 0.000 0.000 500.000 500.000 500.000 1.000 .000 0.000

x1 320000.000 0.000 0.000 0.000 1000.000 1000.000 1000.000 1.000 1.200 0.000  
QT 9.000 1000.000 2000.000 5000.000 10000.000 4000.000 10300.000 14100.000 30000.000 14100.000

x1 332895.000 24.000 1585.000 1664.000 6895.000 6895.000 6895.000 0.000 0.000 0.000  
GR 679.100 1800.000 679.200 1100.000 679.700 1200.000 666.800 1300.000 664.700 1400.000  
GR 646.100 1700.000 633.200 1505.000 630.400 1561.000 631.200 1585.000 626.100 1550.000  
GR 624.100 1620.000 625.700 1638.000 625.300 1649.000 628.200 1658.000 632.200 1664.000  
GR 633.800 1704.000 639.300 1800.000 644.500 1839.000 651.700 1900.000 657.500 2000.000  
GR 664.100 2100.000 667.000 2200.000 670.400 2300.000 676.700 2400.000 680.000 2000.000

x1 332945.000 0.000 0.000 0.000 50.000 50.000 50.000 0.000 0.000 0.000

SR 2711

x1 332946.000 34.000 1585.000 1664.000 1.000 1.000 1.000 0.000 0.000 0.000  
GR 676.500 1800.000 671.200 1100.000 645.600 1200.000 659.600 1300.000 653.900 1400.000  
GR 648.200 1700.000 648.200 1504.000 644.400 1505.000 622.000 1530.000 630.800 1552.000  
GR 644.400 1555.000 630.500 1558.000 631.200 1585.000 626.100 1596.000 625.600 1601.000  
GR 644.400 1604.000 625.300 1607.000 624.300 1620.000 625.700 1636.000 625.300 1649.000  
GR 627.500 1651.000 644.400 1624.000 629.000 1657.000 623.600 1698.000 632.200 1664.000  
GR 634.000 1682.000 644.400 1703.000 648.300 1704.000 649.600 1800.000 652.200 1900.000  
GR 657.400 2000.000 663.300 2100.000 673.300 2300.000 678.100 2400.000 680.000 2000.000  
BT 16.000 1800.000 676.500 676.500 1100.000 671.200 671.200 1200.000 665.600 665.600  
BT 1300.000 659.600 659.600 1400.000 653.900 1500.000 1500.000 648.200 648.200 1504.000  
BT 648.200 648.200 1585.000 648.200 644.400 1703.000 648.300 644.400 1704.000 648.300  
BT 648.300 1400.000 649.600 649.600 1900.000 652.200 652.200 2000.000 657.400 657.400  
BT 2100.000 663.300 663.300 2300.000 673.300 2400.000 678.100 676.100 676.100 0.000

x1 332974.000 0.000 0.000 0.000 28.000 28.000 28.000 0.000 0.000 0.000  
X2 0.000 0.000 0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000

SR 2620

x1 332975.000 24.000 1585.000 1664.000 1.000 1.000 1.000 0.000 0.000 0.000  
GR 679.100 1800.000 679.200 1100.000 679.700 1200.000 666.800 1300.000 664.700 1400.000  
GR 646.100 1700.000 633.200 1505.000 630.400 1561.000 631.200 1585.000 626.100 1550.000  
GR 624.100 1620.000 625.700 1638.000 625.300 1649.000 628.200 1658.000 632.200 1664.000  
GR 633.800 1704.000 639.300 1800.000 644.500 1839.000 651.700 1900.000 657.500 2000.000  
GR 664.100 2100.000 667.000 2200.000 670.400 2300.000 676.700 2400.000 680.000 2000.000  
QT 9.000 1000.000 2000.000 5000.000 10000.000 4000.000 10300.000 13800.000 29000.000 13800.000

x1 333075.000 0.000 0.000 0.000 100.000 100.000 100.000 0.000 0.000 0.000

x1 340000.000 25.000 1822.000 1800.000 14925.000 14925.000 14925.000 0.000 0.000 0.000  
GR 678.900 1800.000 665.300 1100.000 661.000 1136.000 656.600 1200.000 655.300 1217.000  
GR 651.100 1300.000 651.100 1400.000 643.700 1500.000 643.200 1585.000 642.700 1580.000  
GR 639.100 1700.000 638.200 1700.000 630.500 1791.000 636.500 1807.000 638.200 1822.000  
GR 637.600 1820.000 630.600 1830.000 630.700 1845.000 630.600 1859.000 632.000 1874.000  
GR 637.300 1880.000 643.100 1890.000 651.100 1905.000 661.100 1975.000 671.100 2075.000

x1 358405.000 30.000 3038.000 3063.000 10405.000 10405.000 10405.000 0.000 0.000 0.000  
GR 691.900 1800.000 687.800 1300.000 685.700 1400.000 682.900 1500.000 678.100 1500.000  
GR 677.900 1900.000 674.900 2000.000 672.400 2100.000 669.000 2200.000 665.400 2200.000  
GR 659.300 2500.000 651.400 2700.000 648.600 2800.000 646.500 2900.000 645.900 2961.000  
GR 644.700 3012.000 642.900 3038.000 639.200 3044.000 637.300 3060.000 638.700 3078.000

GR	641,900	3083,000	643,400	3100,000	645,000	3100,000	646,300	3200,000	648,000	3300,000
GR	631,000	3325,000	637,900	3400,000	660,000	3500,000	665,100	3600,000	690,000	3700,000

X1	358605,000	0,000	0,000	0,000	200,000	200,000	200,000	0,000	0,000	0,000
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RENAJA GAGE 300 FEET UPSTREAM FROM SR 2620

X1	358606,000	30,000	3037,000	3083,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	693,800	1000,000	692,400	1100,000	690,700	1200,000	676,500	1900,000	674,200	2000,000
GR	665,900	2300,000	663,400	2400,000	662,300	2600,000	662,100	2700,000	662,300	2900,000
GR	658,400	2961,000	645,500	2987,000	635,200	2997,000	638,400	2999,000	645,100	3002,000
GR	644,700	3012,000	643,000	3037,000	658,400	3040,000	638,500	3042,000	638,200	3044,000
GR	637,300	3060,000	638,700	3078,000	641,000	3078,000	658,400	3080,000	641,900	3083,000
GR	643,400	3100,000	644,700	3117,000	658,400	3120,000	644,400	3122,000	644,600	3130,000
GR	658,400	3159,000	662,200	3160,000	662,000	3200,000	662,600	3400,000	666,000	3600,000
GR	690,000	3700,000	0,000	0,000	0,000	0,030	0,000	0,000	0,000	0,000
BT	17,000	1000,000	693,800	693,800	1100,000	692,400	692,400	1200,000	698,700	690,700
BT	1900,000	676,500	676,500	2000,000	674,200	674,200	2300,000	665,900	665,900	2400,000
BT	663,400	663,400	2600,000	662,300	662,300	2700,000	662,100	662,100	2900,000	662,300
BT	662,300	2961,000	662,300	638,400	3159,000	662,200	638,400	3160,000	662,200	662,200
BT	3200,000	662,000	662,000	3400,000	662,000	662,600	3600,000	666,000	666,000	3700,000
BT	690,000	690,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	358634,000	0,000	0,000	0,000	28,000	28,000	28,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	358635,000	30,000	3038,000	3083,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	691,900	1000,000	687,800	1300,000	683,700	1400,000	682,900	1500,000	676,100	1800,000
GR	677,900	1900,000	674,500	2000,000	672,400	2100,000	669,000	2200,000	665,400	2300,000
GR	659,300	2500,000	651,400	2700,000	648,000	2800,000	646,500	2900,000	645,900	2961,000
GR	644,700	3012,000	642,900	3030,000	638,200	3044,000	637,300	3060,000	638,700	3078,000
GR	641,900	3083,000	643,400	3100,000	645,000	3100,000	646,300	3200,000	648,000	3300,000
GR	631,000	3325,000	637,900	3400,000	660,000	3500,000	665,100	3600,000	690,000	3700,000
QT	9,000	1000,000	2000,000	3000,000	10000,000	4200,000	9500,000	13000,000	26000,000	13000,000

X1	358635,000	0,000	0,000	0,000	200,000	200,000	200,000	0,000	0,000	0,000
QT	9,000	1000,000	2000,000	3000,000	10000,000	3800,000	8900,000	11800,000	25500,000	11800,000

X1	36658,000	42,000	1771,000	1833,000	7715,000	7715,000	7715,000	0,000	0,000	0,000
GR	683,100	1000,000	699,300	1100,000	697,900	1200,000	694,900	1300,000	694,700	1400,000
GR	654,700	1407,000	652,100	1495,000	651,300	1500,000	649,700	1516,000	650,100	1552,000
GR	649,300	1574,000	647,200	1591,000	647,700	1600,000	646,800	1622,000	646,600	1658,000
GR	647,100	1679,000	647,000	1685,000	647,000	1700,000	646,700	1730,000	649,700	1771,000
GR	646,000	1774,000	644,900	1783,000	644,700	1795,000	645,300	1799,000	644,600	1815,000
GR	643,600	1819,000	645,900	1826,000	651,600	1833,000	656,600	1839,000	686,300	1878,000
GR	690,600	1887,000	699,500	1912,000	690,400	1922,000	702,900	1948,000	709,000	2001,000
GR	705,600	2021,000	700,600	2072,000	695,300	2100,000	688,500	2149,000	688,800	2169,000
GR	689,300	2200,000	693,100	2224,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	374828,000	30,000	1726,000	1739,000	8278,000	8278,000	8278,000	0,000	0,000	0,000
GR	692,400	1000,000	683,000	1100,000	677,100	1200,000	673,400	1300,000	669,600	1400,000
GR	664,200	1460,000	660,100	1480,000	656,100	1500,000	655,200	1600,000	655,100	1624,000
GR	663,200	1631,000	656,600	1641,000	655,100	1678,000	654,500	1726,000	652,500	1730,000
GR	649,000	1744,000	651,000	1754,000	659,000	1799,000	656,500	1764,000	662,300	1798,000
GR	656,000	1804,000	656,500	2000,000	657,800	2100,000	657,300	2200,000	655,100	2300,000
GR	661,900	2400,000	677,300	2800,000	693,400	3100,000	690,400	3300,000	692,900	3320,000

X1	374978,000	0,000	0,000	0,000	150,000	150,000	150,000	0,000	0,000	0,000
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X1	374979.000	34.000	1726.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	685.000	1000.000	670.000	1400.000	668.900	1624.000	664.900	1625.000	663.200	1631.000
GR	656.600	1641.000	655.900	1667.000	654.700	1669.000	655.200	1671.000	655.100	1670.000
GR	654.100	1713.000	664.400	1714.000	664.000	1716.000	654.500	1726.000	652.500	1730.000
GR	649.800	1744.000	651.800	1754.000	654.200	1757.000	664.166	1759.000	655.300	1762.000
GR	656.500	1784.000	662.300	1790.000	663.900	1803.000	668.000	1804.000	667.500	1803.000
GR	666.900	2000.000	666.100	2200.000	665.800	2400.000	666.000	2500.000	667.000	2700.000
GR	667.600	2800.000	670.300	3000.000	671.000	3100.000	685.000	3300.000	0.000	0.000
BT	16.000	1300.000	672.200	672.200	1790.000	670.000	670.000	1624.000	668.700	568.900
BT	1025.000	660.700	664.900	1803.000	659.000	663.900	1804.000	666.000	666.000	1900.000
BT	667.500	667.300	660.000	666.900	666.900	2200.000	666.100	666.100	2400.000	665.000
BT	665.000	2500.000	666.000	666.000	2700.000	667.000	667.000	2800.000	667.000	667.000
BT	3000.000	670.300	670.300	3100.000	671.000	671.000	3300.000	685.000	685.000	0.000

X1	375021.000	0.000	0.000	0.000	42.000	42.000	42.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	375022.000	30.000	1726.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	692.400	1600.000	683.600	1400.000	679.100	1200.000	673.400	1300.000	669.500	1400.000
GR	664.200	1460.000	660.100	1400.000	650.100	1600.000	655.200	1600.000	655.100	1624.000
GR	663.200	1631.000	656.600	1641.000	655.100	1670.000	654.500	1726.000	652.500	1730.000
GR	649.800	1744.000	651.800	1754.000	655.000	1759.000	656.500	1784.000	662.300	1790.000
GR	656.000	1804.000	656.500	2000.000	657.000	2100.000	657.300	2200.000	658.100	2300.000
GR	661.900	2400.000	677.300	2600.000	683.400	3100.000	690.400	3300.000	692.900	3320.000
BT	0.000	1600.000	2000.000	2000.000	10000.000	3100.000	6900.000	9000.000	10000.000	9000.000

X1	375200.000	0.000	0.000	0.000	170.000	170.000	170.000	0.000	0.000	0.000
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X1	376045.000	41.000	3027.000	3801.000	845.000	845.000	845.000	0.000	0.000	0.000
GR	685.000	800.000	660.900	1100.000	660.300	1200.000	658.600	1300.000	655.000	1400.000
GR	655.900	1500.000	656.000	1600.000	655.600	1700.000	655.500	1800.000	654.700	1900.000
GR	654.400	2000.000	654.500	2100.000	654.500	2200.000	655.100	2300.000	654.700	2300.000
GR	655.000	2600.000	671.700	2700.000	672.700	2900.000	670.700	2900.000	664.700	3000.000
GR	663.000	3100.000	664.100	3200.000	660.400	3300.000	300.300	3500.000	650.000	3600.000
GR	656.900	3700.000	658.000	3800.000	655.000	3827.000	655.200	3802.000	653.200	3840.000
GR	653.000	3862.000	655.100	3872.000	655.300	3874.000	657.000	3861.000	656.300	3900.000
GR	658.700	3992.000	659.900	4000.000	662.700	4100.000	661.500	4200.000	663.700	4300.000
GR	685.000	5200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	376145.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
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## US 29(NEW)

X1	370146.000	95.000	3023.000	3803.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	685.900	3534.000	662.600	3505.000	659.000	3536.000	658.600	3547.000	662.600	3549.000
GR	658.400	3551.000	657.900	3563.000	662.600	3565.000	657.700	3567.000	657.100	3570.000
GR	662.500	3581.000	656.800	3583.000	656.400	3595.000	662.600	3597.000	656.100	3599.000
GR	650.100	3611.000	662.600	3613.000	656.200	3615.000	656.500	3627.000	662.600	3629.000
GR	656.400	3632.000	656.500	3643.000	662.600	3645.000	656.600	3647.000	656.600	3650.000
GR	662.600	3662.000	656.700	3663.000	656.800	3675.000	662.600	3677.000	656.900	3679.000
GR	656.900	3691.000	662.300	3693.000	656.900	3695.000	657.100	3707.000	662.600	3709.000
GR	657.100	3711.000	662.300	3723.000	662.600	3725.000	657.300	3727.000	657.400	3730.000
GR	662.600	3741.000	657.400	3743.000	657.500	3755.000	662.600	3757.000	657.500	3759.000
GR	657.700	3771.000	662.600	3773.000	657.700	3775.000	662.600	3787.000	662.600	3789.000
GR	657.000	3791.000	657.900	3803.000	662.600	3805.000	657.800	3807.000	657.200	3810.000
GR	662.600	3821.000	657.000	3823.000	654.000	3835.000	662.600	3837.000	653.900	3839.000

GR	653,800	3851,000	662,600	3853,000	653,700	3855,000	654,500	3867,000	662,600	3869,000
GR	655,000	3871,000	656,800	3863,000	662,600	3885,000	656,700	3807,000	656,400	3899,000
GR	662,600	3901,000	656,500	3903,000	656,700	3915,000	662,600	3917,000	656,600	3919,000
GR	657,200	3931,000	662,600	3933,000	657,300	3935,000	657,500	3947,000	662,600	3949,000
GR	657,600	3951,000	657,900	3963,000	662,600	3965,000	658,000	3967,000	658,300	3979,000
GR	662,600	3981,000	658,400	3983,000	655,700	3992,000	659,100	3995,000	662,600	3997,000
GR	659,700	3999,000	660,300	4013,000	662,600	4014,000	660,100	4015,000	666,200	4000,000
BT	13,000	1000,000	669,100	667,100	1200,000	664,100	664,100	1700,000	662,600	662,600
BT	2000,000	662,600	662,600	2100,000	661,400	663,400	3000,000	665,300	665,300	3070,000
BT	666,200	566,200	3100,000	665,900	665,900	3534,000	665,900	665,900	3535,000	665,900
BT	662,600	4014,000	666,000	662,600	4015,000	666,100	666,100	4400,000	666,200	666,200

X1	376174,000	0.000	0.000	0.000	28,000	28,000	28,000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1,000	0.000	0.000	0.000

X1	376175,000	41,000	3827,600	3881,000	1,000	1,000	1,000	0.000	0.000	0.000
GR	665,600	660,000	660,900	1500,000	660,300	1200,000	658,600	1360,000	659,800	1400,000
GR	659,900	1500,000	656,000	1500,000	655,600	1700,000	655,500	1800,000	654,700	1900,000
GR	654,400	2000,000	654,500	2100,000	654,500	2200,000	655,100	2300,000	654,700	2500,000
GR	655,000	2600,000	671,700	2700,000	672,700	2800,000	670,700	2900,000	664,200	3000,000
GR	663,000	3100,000	664,100	3200,000	660,400	3300,000	660,300	3500,000	656,000	3600,000
GR	656,900	3700,000	658,000	3800,000	656,600	3827,000	655,200	3832,000	653,200	3842,000
GR	653,300	3862,000	655,100	3872,000	655,300	3874,000	657,600	3881,000	656,300	3900,000
GR	656,700	3922,000	659,900	4000,000	662,700	4100,000	661,500	4200,000	660,700	4300,000
GR	669,000	5200,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	376176,000	0.000	0.000	0.000	75,000	75,000	75,000	0.000	0.000	0.000
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X1	376325,000	51,000	3616,300	4008,000	75,000	75,000	75,000	0.000	0.000	0.000
GR	10,000	0.000	0.000	0.000	0.000	0.000	0.000	665,600	665,600	0.000
GR	710,500	1000,000	998,000	1100,000	699,000	1200,000	687,000	1300,000	683,000	1400,000
GR	657,000	1500,000	697,500	1600,000	686,000	1700,000	678,700	1760,000	676,200	2000,000
GR	675,900	2100,000	675,700	2150,000	675,000	2200,000	675,200	2300,000	677,400	2340,000
GR	677,500	2400,000	674,900	2500,000	671,500	2600,000	663,400	2600,000	662,100	2900,000
GR	658,300	3100,000	657,100	3200,000	659,900	3300,000	659,600	3400,000	654,500	3500,000
GR	662,000	3600,000	660,900	3616,000	655,100	3636,000	655,700	3661,000	659,100	3700,000
GR	659,100	3744,000	653,800	3757,000	653,200	3775,000	653,300	3786,000	659,900	3770,000
GR	655,400	3819,000	656,100	3877,000	660,000	3900,000	664,500	3969,000	665,900	3995,000
GR	661,900	4000,000	667,900	4000,000	675,700	4068,000	691,800	4100,000	664,300	4112,000
GR	666,600	4200,000	666,600	4204,000	698,300	4300,000	701,600	4320,000	707,200	4368,000
GR	712,200	4400,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SOUTHERN RR

X1	376326,000	61,000	3744,000	3790,000	1,000	1,000	1,000	0.000	0.000	0.000
GR	679,600	1000,000	678,800	1400,000	678,000	1600,000	675,000	2000,000	672,500	2300,000
GR	670,900	2000,000	667,300	3000,000	665,600	3200,000	660,100	3300,000	666,100	3400,000
GR	676,900	3000,000	672,700	3600,000	671,000	3600,000	668,900	3616,000	658,100	3636,000
GR	656,600	3651,000	675,100	3654,000	656,500	3636,000	655,700	3661,000	655,100	3700,000
GR	655,100	3751,000	677,000	3704,000	655,100	3700,000	655,100	3744,000	654,500	3751,000
GR	650,100	3754,000	652,600	3756,000	653,800	3757,000	653,200	3775,000	653,300	3786,000
GR	655,000	3790,000	653,000	3801,000	662,600	3804,000	659,800	3800,000	655,400	3819,000
GR	655,900	3852,000	659,100	3854,000	656,000	3850,000	656,100	3877,000	660,000	3900,000
GR	660,200	3903,000	666,700	3905,000	660,600	3906,000	663,400	3952,000	668,200	3955,000
GR	663,800	3957,000	664,500	3965,000	665,900	3995,000	664,900	4000,000	669,900	4010,000
GR	664,000	4010,000	661,900	4002,000	667,500	4058,000	671,400	4060,000	671,500	4060,000
GR	675,700	4068,000	691,800	4100,000	692,900	4111,000	697,400	4112,000	699,100	4200,000
GR	700,400	4300,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	17,000	1000,000	679,600	679,600	1400,000	678,800	678,800	1600,000	678,000	678,000
BT	2000,000	675,000	675,000	2300,000	672,500	672,500	2600,000	670,900	670,900	3000,000
BT	667,500	667,500	3200,000	665,000	665,000	3300,000	666,100	666,100	3400,000	668,100

BT	868.100	3604.000	676.900	676.900	3605.000	576.900	672.700	3657.000	889.700	695.500
BT	4111.000	697.400	692.900	4112.000	697.400	697.400	4200.000	697.100	699.100	4300.000
BT	700.400	700.400	0.000	0.000	1.000	0.000	0.000	9.000	0.000	0.000

X1	376354.000	0.000	0.000	0.000	21.000	28.000	28.000	0.000	0.000	0.000
X2	5.000	0.000	0.000	0.000	0.000	5.000	1.000	0.000	0.000	0.000

X1	376355.000	51.000	3616.000	4000.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	710.500	1000.000	98.000	1100.000	699.000	1200.000	687.000	1300.000	683.000	1400.000
GR	687.000	1300.000	697.500	1600.000	618.000	1700.000	678.700	1730.000	678.200	2000.000
GR	675.000	2100.000	675.700	2150.000	675.000	2200.000	673.200	2300.000	677.400	2340.000
GR	677.500	2400.000	676.900	2500.000	671.500	2600.000	663.400	2660.000	662.100	2900.000
GR	658.000	3100.000	657.100	3200.000	659.900	3300.000	659.600	3400.000	654.300	3500.000
GR	662.000	3600.000	665.900	3616.000	658.100	3636.000	655.700	3661.000	655.100	3700.000
GR	655.100	3744.000	653.600	3757.000	653.200	3775.000	653.300	3786.000	655.900	3790.000
GR	655.400	3819.000	656.100	3877.000	667.000	3900.000	664.500	3969.000	669.900	3995.000
GR	661.900	4032.000	667.900	4060.000	675.700	4060.000	691.800	4100.000	684.300	4112.000
GR	666.600	4200.000	680.600	4254.000	696.300	4300.000	701.600	4320.000	707.200	4360.000
GR	712.200	4400.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	9.000	1000.000	2000.000	5000.000	10000.000	2000.000	6000.000	8700.000	17500.000	8700.000

X1	376455.000	51.000	3616.000	4000.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	710.500	1000.000	98.000	1100.000	699.000	1200.000	687.000	1300.000	683.000	1400.000
GR	687.000	1300.000	697.500	1600.000	618.000	1700.000	678.700	1730.000	678.200	2000.000
GR	675.000	2100.000	675.700	2150.000	675.000	2200.000	673.200	2300.000	677.400	2340.000
GR	677.500	2400.000	676.900	2500.000	671.500	2600.000	663.400	2660.000	662.100	2900.000
GR	658.000	3100.000	657.100	3200.000	659.900	3300.000	659.600	3400.000	654.300	3500.000
GR	662.000	3600.000	665.900	3616.000	658.100	3636.000	655.700	3661.000	655.100	3700.000
GR	655.100	3744.000	653.600	3757.000	653.200	3775.000	653.300	3786.000	655.900	3790.000
GR	655.400	3819.000	656.100	3877.000	667.000	3900.000	664.500	3969.000	669.900	3995.000
GR	661.900	4032.000	667.900	4060.000	675.700	4060.000	691.800	4100.000	684.300	4112.000
GR	666.600	4200.000	680.600	4254.000	696.300	4300.000	701.600	4320.000	707.200	4360.000
GR	712.200	4400.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	9.000	1000.000	2000.000	5000.000	10000.000	2000.000	6000.000	8700.000	16700.000	81000.000

X1	395000.000	60.000	2285.000	2336.000	8545.000	8545.000	8545.000	1.000	-3.700	0.000
GR	727.600	1000.000	735.000	1100.000	735.500	1122.000	734.600	1141.000	732.000	1200.000
GR	728.000	1200.000	728.500	1310.000	729.700	1325.000	729.900	1350.000	725.500	1400.000
GR	726.100	1500.000	724.200	1600.000	723.200	1700.000	714.700	1800.000	702.800	1900.000
GR	691.300	1900.000	688.600	2000.000	686.600	2065.000	678.000	2088.000	670.000	2130.000
GR	688.100	2200.000	687.000	2200.000	686.900	2300.000	682.000	2300.000	682.900	2312.000
GR	662.700	2320.000	663.500	2350.000	667.800	2336.000	666.500	2400.000	666.500	2500.000
GR	666.600	2600.000	665.000	2607.000	665.700	2693.000	665.000	2600.000	666.500	2667.000
GR	374.900	2690.000	676.000	2720.000	669.000	2930.000	690.000	3000.000	700.200	3050.000
GR	701.000	3100.000	700.100	3100.000	713.900	3179.000	722.000	3240.000	717.900	3300.000
GR	712.700	3340.000	711.700	3374.000	708.000	3374.000	712.300	3326.000	713.400	3400.000
GR	729.200	3500.000	727.500	3549.000	723.100	3600.000	703.400	3690.000	710.000	3700.000
GR	723.000	3740.000	742.600	3501.000	750.200	3727.000	757.100	3982.000	772.000	4100.000

RS 2910LD1

X1	390000.000	0.000	0.000	0.000	5680.000	5680.000	5680.000	1.000	3.700	0.000
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X1	401600.000	20.000	2130.000	2144.000	10970.000	10970.000	10970.000	1.000	-20.000	0.000
GR	742.800	1000.000	739.000	1100.000	737.500	1200.000	737.200	1300.000	736.400	1400.000
GR	735.900	1200.000	736.000	1320.000	735.000	1331.000	735.100	1400.000	734.600	1500.000
GR	734.100	1500.000	734.400	1600.000	734.500	2000.000	735.400	2100.000	735.300	2110.000
GR	737.600	2110.000	731.500	2124.000	729.200	2131.000	730.200	2141.000	738.900	2144.000
GR	742.800	2187.000	742.200	2200.000	749.300	2292.000	750.000	2300.000	752.500	2324.000

GR	753,800	2311,000	757,800	2571,000	753,200	2376,000	0,000	0,000	0,000	0,000
X1 400566,000	37,000	2000,000	2050,000	2050,000	6936,000	6936,000	6936,000	0,000	0,000	0,000
GR	749,500	1000,000	756,800	1198,000	746,500	1200,000	722,700	1300,000	717,000	1400,000
GR	713,100	1900,000	769,300	1900,000	704,500	1700,000	702,000	2100,000	701,700	2200,000
GR	697,800	2400,000	770,200	2500,000	695,800	2500,000	693,000	2700,000	684,300	2800,000
GR	689,000	2019,000	680,400	2030,000	679,500	2040,000	677,700	2050,000	682,100	2050,000
GR	682,800	2000,000	603,200	2000,000	684,500	2000,000	684,700	3020,000	683,700	3000,000
GR	683,500	3300,000	686,100	3400,000	687,900	3500,000	686,400	3000,000	695,100	3700,000
GR	714,700	3000,000	713,200	3900,000	716,700	4000,000	723,300	4100,000	721,500	4200,000
GR	742,400	4300,000	745,000	4320,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 400566,000	0,000	0,000	0,000	100,000	100,000	100,000	0,000	0,000	0,000
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KEAR BENAJA DAN SITE

X1 400667,000	36,000	2000,000	2000,000	1,000	1,000	1,000	0,000	0,000	0,000	
GR	739,600	1000,000	723,300	1300,000	714,800	1500,000	711,500	1600,000	707,500	1800,000
GR	724,700	2000,000	701,700	3300,000	697,900	2900,000	693,000	2700,000	690,500	2800,000
GR	607,900	2000,000	682,700	2000,000	600,000	2019,000	600,000	2030,000	600,000	2040,000
GR	679,700	2400,000	667,900	2840,000	670,700	2840,000	670,700	2050,000	682,400	2850,000
GR	682,800	2000,000	683,000	2000,000	687,800	2000,000	683,000	2000,000	683,000	2000,000
GR	683,400	2927,000	680,000	2520,000	683,000	2520,000	680,000	3000,000	689,500	3200,000
GR	690,200	3300,000	691,000	3400,000	690,100	3000,000	690,000	3000,000	733,000	4200,000
GR	742,300	4300,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	21,000	1000,000	739,000	739,000	1300,000	723,300	723,300	1500,000	711,500	714,800
BT	1600,000	711,000	711,000	1800,000	707,500	707,500	2000,000	704,700	704,700	2000,000
BT	703,300	701,000	2000,000	497,900	697,900	2700,000	693,000	693,000	2000,000	690,500
BT	600,000	2000,000	690,000	657,900	2920,000	670,500	660,000	2920,000	680,500	690,500
BT	3000,000	090,700	690,100	3200,000	680,500	680,500	680,000	690,200	690,000	3400,000
BT	691,000	691,000	3000,000	690,100	690,100	3900,000	714,000	714,000	690,000	714,000
BT	733,500	4300,000	742,300	742,300	0,000	0,000	0,000	0,000	0,000	0,000

X1 400693,000	0,000	0,000	0,000	26,000	26,000	26,000	0,000	0,000	0,000
GR	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1 400694,000	37,000	2000,000	2050,000	1,000	1,000	1,000	0,000	0,000	0,000	
GR	749,500	1000,000	736,000	1150,000	740,300	1200,000	722,700	1300,000	717,000	1400,000
GR	713,100	1900,000	709,300	1900,000	704,500	1700,000	702,000	2100,000	701,700	2200,000
GR	697,800	2400,000	698,200	2500,000	695,800	2500,000	693,000	2700,000	684,300	2800,000
GR	689,000	2019,000	680,600	2030,000	679,500	2040,000	677,700	2050,000	682,100	2050,000
GR	682,800	2000,000	683,200	2000,000	684,500	2000,000	684,700	3020,000	683,700	3000,000
GR	683,500	3300,000	686,100	3400,000	687,900	3500,000	686,400	3000,000	695,100	3700,000
GR	714,700	3000,000	713,200	3900,000	716,700	4000,000	723,300	4100,000	721,500	4200,000
GR	742,400	4300,000	745,000	4320,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 400816,000	0,000	0,000	0,000	122,000	122,000	122,000	0,000	0,000	0,000
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X1 400800,000	0,000	0,000	0,000	184,000	184,000	184,000	1,000	0,000	0,000
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X1 410000,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	1,200	0,000
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X1 411000,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	1,200	0,000
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X1 400300,000	42,000	2050,000	2070,000	4300,000	4300,000	4300,000	0,000	0,000	0,000	
GR	748,300	1000,000	738,400	1100,000	725,400	1200,000	720,500	1220,000	710,000	1250,000

GR	712,500	1273,000	707,300	1300,000	699,200	3563,000	697,200	1400,000	694,900	1500,000
GR	694,200	1553,000	687,400	1970,000	685,200	1600,000	694,100	1700,000	687,000	1800,000
GR	686,100	900,000	688,500	2003,000	689,500	2043,000	690,000	2050,000	687,300	2053,000
GR	687,500	2060,000	687,700	2069,000	680,500	2073,000	690,300	2074,000	689,400	2100,000
GR	688,900	2200,000	688,700	2300,000	689,900	2400,000	690,000	2500,000	693,900	2600,000
GR	694,500	2012,000	690,600	2700,000	700,900	2723,000	702,100	2734,000	704,600	2745,000
GR	705,000	2702,000	704,200	2700,000	710,700	2794,000	708,500	2790,000	732,500	2649,000
CR	737,600	2965,000	744,900	2900,000	0,000	0,000	0,000	0,000	0,000	0,000
QT	9,000	1000,000	2000,000	3000,000	10000,000	2500,000	5200,000	7000,000	13000,000	7000,000

X1	420320,000	39,000	2491,000	2533,000	5020,000	5020,000	5020,000	1,000	-3,900	0,000
GR	771,300	1000,000	758,000	1200,000	751,100	1300,000	740,400	1400,000	720,100	1500,000
GR	716,500	1000,000	711,500	1700,000	700,800	1700,000	703,100	2000,000	703,300	2100,000
GR	699,700	2144,000	693,000	2147,000	695,500	2172,000	697,000	2150,000	700,000	2164,000
GR	699,900	2200,000	699,700	2307,000	699,800	2310,000	700,650	2400,000	700,400	2491,000
GR	697,900	2490,000	693,300	2505,000	695,100	2524,000	696,100	2520,000	699,900	2533,000
GR	700,600	2546,000	700,100	2600,000	701,200	3000,000	700,000	3200,000	712,200	3300,000
GR	710,000	3400,000	710,500	3600,000	724,300	3800,000	730,700	4100,000	744,100	4200,000

X1	425397,000	0,000	0,000	0,000	5027,000	5029,000	5029,000	1,000	3,900	0,000
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X1	425507,000	0,000	0,000	0,000	190,000	190,000	190,000	0,000	0,000	0,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

SR 2426

X1	425508,000	39,000	2491,000	2533,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	770,100	1000,000	755,400	1100,000	759,000	1200,000	751,100	1300,000	710,700	1600,000
GR	713,200	1700,000	700,700	1900,000	705,000	2100,000	705,000	2144,000	703,400	2165,000
GR	698,000	2147,000	695,300	2192,000	699,000	2190,000	700,000	2102,000	703,400	2163,000
GR	705,000	2164,000	704,500	2300,000	704,500	2400,000	704,900	2491,000	703,400	2492,000
GR	700,000	2490,000	697,900	2490,000	695,300	2505,000	695,200	2509,000	703,400	2510,000
GR	699,200	2511,000	699,100	2520,000	699,000	2524,000	703,400	2527,000	690,100	2520,000
GR	699,900	2533,000	700,200	2540,000	703,400	2540,000	704,000	2540,000	703,800	2600,000
GR	703,500	3100,000	710,500	3000,000	724,600	3800,000	742,000	4200,000	0,000	0,000
BT	23,000	1000,000	770,100	770,100	1100,000	709,400	709,400	1200,000	759,000	759,000
BT	1300,000	751,100	751,100	1600,000	710,700	710,700	1700,000	710,200	713,200	1900,000
BT	705,700	705,700	2100,000	705,000	705,000	2144,000	705,000	705,000	2145,000	705,000
BT	705,000	2160,000	705,000	705,000	2164,000	705,000	705,000	2300,000	704,500	704,500
BT	2400,000	704,500	704,500	2491,000	704,900	704,900	2492,000	704,900	703,400	2534,000
BT	704,900	703,400	2540,000	704,900	704,900	2600,000	703,800	703,800	3100,000	703,500
BT	705,000	3000,000	710,400	710,400	3000,000	724,600	724,600	4200,000	742,000	742,000

X1	425532,000	0,000	0,000	0,000	24,000	24,000	24,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	425533,000	39,000	2491,000	2533,000	0,000	1,000	1,000	0,000	0,000	0,000
GR	771,300	1000,000	758,000	1200,000	751,100	1300,000	740,400	1400,000	720,100	1500,000
GR	716,500	1000,000	711,500	1700,000	700,800	1700,000	703,100	2000,000	703,300	2100,000
GR	699,700	2144,000	693,000	2147,000	695,500	2192,000	699,000	2150,000	700,000	2164,000
GR	699,900	2200,000	699,700	2307,000	699,800	2310,000	700,000	2400,000	700,400	2491,000
GR	697,900	2490,000	693,300	2505,000	695,100	2524,000	696,100	2520,000	699,900	2533,000
GR	700,600	2546,000	700,100	2600,000	701,200	3000,000	700,300	3200,000	712,200	3300,000
GR	710,000	3400,000	710,500	3600,000	724,300	3800,000	730,700	4100,000	744,100	4200,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	425603,000	0,000	0,000	0,000	70,000	70,000	70,000	0,000	0,000	0,000
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X1	429998.000	23.000	682.000	631.000	3397.000	3397.000	3397.000	1.000	73.360	0.000
GR	730.700	0.000	724.000	110.000	717.000	100.000	710.000	470.000	708.200	540.000
GR	739.500	030.000	704.400	610.000	703.300	627.000	710.000	631.000	709.000	600.000
GR	709.200	780.000	709.500	800.000	709.000	830.000	709.200	900.000	708.500	1000.000
GR	707.000	1080.000	707.300	1300.000	707.900	1315.000	740.000	1795.000	750.000	1450.000

X1	433200.000	0.000	0.000	0.000	4200.000	4200.000	4200.000	1.000	4.300	0.000
DT	9.000	1100.000	2000.000	5000.000	10000.000	2200.000	4000.000	6100.000	21500.000	6100.000

X1	433503.000	29.000	2193.000	2199.000	363.000	363.000	363.000	1.000	71.000	0.000
GR	755.200	1000.000	740.300	1100.000	741.700	1200.000	725.400	1300.000	708.700	1200.000
GR	725.100	1000.000	722.000	1000.000	720.000	1700.000	710.000	1000.000	711.300	2100.000
GR	709.900	2130.000	710.000	2150.000	708.300	2161.000	700.200	2173.000	700.200	2105.000
GR	706.700	2194.000	710.000	2199.000	711.000	2207.000	710.000	2200.000	713.100	2400.000
GR	714.400	2900.000	717.000	2000.000	710.000	2600.000	723.000	2700.000	740.300	2800.000

X1	433927.000	0.000	0.000	0.000	304.000	304.000	304.000	1.000	1.000	0.000
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X1	434027.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SR 1001

X1	434028.000	31.000	2153.000	2199.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	754.900	1000.000	742.100	1000.000	730.400	1000.000	731.100	1000.000	727.200	1000.000
GR	724.700	1000.000	720.000	1000.000	717.000	1000.000	710.000	2100.000	710.000	2101.000
GR	710.000	2130.000	710.000	2140.000	710.000	2140.000	710.000	2150.000	710.000	2153.000
GR	706.500	2160.000	703.000	2173.000	700.700	2103.000	700.700	2100.000	710.100	2100.000
GR	700.700	2194.000	700.700	2199.000	710.000	2199.000	711.200	2200.000	710.200	2200.000
GR	717.000	2207.000	717.000	2200.000	717.000	2200.000	719.200	2000.000	721.900	2700.000
GR	725.000	2800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	21.000	1000.000	704.000	704.900	1200.000	704.000	712.000	1000.000	700.000	700.000
BT	1000.000	731.000	731.000	1000.000	707.000	727.000	1000.000	724.000	704.000	1000.000
BT	720.000	720.000	1000.000	710.000	710.000	2100.000	717.000	717.000	2110.000	717.000
BT	710.000	1100.000	717.000	710.000	2100.000	717.000	710.000	2100.000	717.000	710.000
BT	2000.000	717.000	710.000	2200.000	717.000	710.000	2207.000	717.000	717.000	2400.000
BT	717.000	2500.000	2500.000	717.000	2600.000	2600.000	719.200	2700.000	2700.000	721.000
BT	721.000	2800.000	725.000	725.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	434052.000	0.000	0.000	0.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	434053.000	29.000	2153.000	2199.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	755.200	1000.000	740.300	1100.000	741.700	1200.000	725.400	1300.000	708.700	1400.000
GR	725.100	1000.000	722.000	1000.000	720.000	1700.000	710.000	1000.000	711.300	2100.000
GR	709.900	2130.000	710.000	2150.000	700.300	2161.000	700.200	2173.000	700.200	2105.000
GR	706.700	2194.000	710.000	2199.000	711.000	2207.000	710.000	2200.000	713.100	2400.000
GR	714.400	2900.000	717.000	2000.000	710.000	2600.000	723.000	2700.000	740.300	2800.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	434133.000	0.000	0.000	0.000	00.000	00.000	00.000	0.000	0.000	0.000
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X1	435000.000	30.000	2221.000	2245.000	1307.000	1307.000	1307.000	1.000	7.900	0.000
GR	755.000	1000.000	742.000	1100.000	740.400	1121.000	720.000	1200.000	722.100	1200.000
GR	719.000	1000.000	710.000	1000.000	710.000	1000.000	710.000	1000.000	710.000	1000.000
GR	711.000	1000.000	712.000	1000.000	710.000	2000.000	710.000	2100.000	710.000	2200.000
GR	714.700	2221.000	709.200	2224.000	709.300	2231.000	709.900	2239.000	711.000	2240.000

GR	712.400	2243.000	714.500	2245.000	716.500	2246.000	717.200	2200.000	720.100	2400.000
GR	730.100	2265.000	730.700	2200.000	733.500	2203.000	734.500	2000.000	735.000	2700.000
GR	737.400	2700.000	740.300	2700.000	743.300	2800.000	747.100	2027.000	750.100	2841.000
GR	754.000	2874.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	430550.000	0.000	0.000	0.000	1390.000	1390.000	1390.000	1.000	1.000	0.000
BT	9.000	1000.000	2090.000	5000.000	10000.000	2100.000	4400.000	5000.000	10700.000	9800.000

X1	443926.000	27.000	2260.000	2315.000	7075.000	7075.000	7075.000	0.000	0.000	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.000	1000.000	726.000	1700.000	725.000	1800.000	726.000	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2220.000	721.200	2239.000	721.200	2260.000	717.600	2265.000
GR	717.200	2279.000	716.900	2294.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	744.600	2600.000
GR	754.400	2700.000	761.000	2800.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	444066.000	27.000	2220.000	2330.000	100.000	100.000	100.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	732.300	732.300	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.000	1000.000	726.000	1700.000	725.000	1800.000	726.000	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2220.000	721.200	2239.000	721.200	2260.000	717.600	2265.000
GR	717.200	2279.000	716.900	2294.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	744.600	2600.000
GR	754.400	2700.000	761.000	2800.000	0.000	0.000	0.000	0.000	0.000	0.000

SH 1002

X1	444067.000	31.000	2220.000	2330.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	758.700	1000.000	756.000	1100.000	737.900	1700.000	734.200	1900.000	733.300	2100.000
GR	732.000	1000.000	726.000	2221.000	732.500	2222.000	730.700	2220.000	721.000	2200.000
GR	721.200	2260.000	720.000	2201.000	732.000	2262.000	710.700	2263.000	717.000	2265.000
GR	717.200	2279.000	716.900	2294.000	720.300	2299.000	720.600	2301.000	733.200	2302.000
GR	720.800	2303.000	722.500	2315.000	731.700	2330.000	733.000	2342.000	735.700	2345.000
GR	730.500	2400.000	730.100	2500.000	743.400	2600.000	740.500	2600.000	749.000	2700.000
GR	754.000	2800.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	10.000	1000.000	750.700	750.700	1100.000	750.000	750.000	1700.000	737.900	737.900
BT	1900.000	734.200	734.200	2000.000	733.300	733.300	2100.000	732.900	732.900	2221.000
BT	734.200	734.200	2222.000	734.200	734.200	2342.000	715.700	733.000	2343.000	735.700
BT	735.700	2400.000	736.500	736.500	2500.000	739.100	737.100	2600.000	743.400	743.400
BT	2630.000	740.500	746.500	2700.000	745.000	749.000	2800.000	754.500	754.600	0.000

X1	444113.000	0.000	0.000	0.000	25.000	26.000	26.000	0.000	0.000	0.150
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	5.000

X1	444114.000	27.000	2220.000	2330.000	1.000	1.000	1.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	732.900	732.900	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.000	1000.000	726.000	1700.000	725.000	1800.000	726.000	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2220.000	721.200	2239.000	721.200	2260.000	717.600	2265.000
GR	717.200	2279.000	716.900	2294.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	744.600	2600.000
GR	754.400	2700.000	761.000	2800.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	444234.000	27.000	2260.000	2315.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.000	1000.000	726.000	1700.000	725.000	1800.000	726.000	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2220.000	721.200	2239.000	721.200	2260.000	717.600	2265.000
GR	717.200	2279.000	716.900	2294.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	744.600	2600.000

GR 754,400 2700,000 761,000 2000,000 0,000 0,000 0,000 0,000 0,000 0,000

X1	447585,000	39,000	2154,000	2179,000	3391,000	3391,000	3391,000	0,000	0,000	0,000
GR	775,500	1000,000	768,500	1100,000	763,500	1156,000	759,600	1200,000	795,500	1237,000
GR	750,000	1300,000	745,000	1325,000	749,600	1400,000	726,300	1500,000	732,400	1600,000
GR	720,000	1700,000	723,000	1800,000	721,700	1900,000	723,000	2000,000	724,700	2100,000
GR	745,000	2154,000	721,000	2159,000	721,500	2166,000	721,900	2175,000	723,000	2179,000
GR	725,100	2200,000	724,000	2300,000	724,000	2300,000	724,000	2400,000	724,500	2500,000
GR	728,500	0,000	734,700	2700,000	732,000	2800,000	740,000	2900,000	750,000	3000,000
GR	753,400	3100,000	755,700	3107,000	756,200	3122,000	756,000	3155,000	761,000	3162,000
GR	767,500	3200,000	762,400	3209,000	759,500	3215,000	770,500	3250,000	0,000	0,000
DT	9,000	1000,000	2000,000	2000,000	10000,000	2000,000	4200,000	5000,000	10000,000	5000,000

X1	454970,000	34,000	3000,000	3038,000	7300,000	7305,000	7305,000	0,000	0,000	0,000
GR	790,000	1000,000	784,500	1100,000	744,500	1200,000	763,100	1300,000	779,100	1400,000
GR	765,000	1500,000	761,200	1600,000	760,000	1700,000	761,400	1800,000	759,000	1900,000
GR	745,000	2000,000	741,900	2100,000	740,000	2200,000	740,000	2300,000	730,000	2400,000
GR	749,000	2500,000	741,200	2600,000	737,000	2700,000	730,000	2800,000	735,000	2900,000
GR	735,000	3000,000	732,200	3010,000	731,500	3020,000	731,300	3020,000	731,300	3034,000
GR	739,000	3030,000	744,300	3100,000	739,000	3200,000	737,000	3300,000	749,000	3400,000
GR	772,500	3500,000	777,400	3600,000	783,500	3700,000	790,100	3800,000	0,000	0,000

X1 450000,000 0,000 0,000 0,000 0,000 50,000 50,000 50,000 0,000 0,000 0,000  
NC 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000

JR 2305-2351

X1	455021,000	27,000	3000,000	3038,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	790,000	1000,000	779,200	1300,000	770,500	1500,000	745,400	1700,000	763,700	1800,000
GR	761,000	2000,000	755,500	2700,000	720,000	2400,000	741,000	2700,000	740,100	2900,000
GR	740,700	3000,000	730,100	3000,000	730,000	3000,000	732,200	3010,000	731,500	3020,000
GR	731,000	3020,000	731,000	3034,000	731,400	3038,000	736,500	3045,000	738,200	3045,000
GR	740,000	3047,000	741,000	3100,000	744,700	3200,000	731,000	3300,000	747,700	3400,000
GR	725,200	3500,000	720,500	3600,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	20,000	1000,000	790,000	790,000	1000,000	779,000	779,200	1500,000	0,000	770,000
BT	1700,000	765,400	765,400	1800,000	761,700	745,000	2500,000	761,300	761,300	2200,000
BT	790,000	750,000	2400,000	750,000	750,000	2700,000	741,000	741,000	2900,000	740,000
BT	740,200	3000,000	740,700	740,700	300,000	740,700	3040,000	3040,000	740,000	738,200
BT	3047,000	740,700	740,700	3100,000	741,500	741,500	3200,000	744,700	744,700	3300,000
BT	791,000	791,000	3500,000	747,700	747,700	3600,000	735,400	770,200	3600,000	770,500
BT	790,500	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 455039,000 0,000 0,000 0,000 10,000 10,000 10,000 0,000 0,000 0,000  
XC 0,000 0,000 0,000 0,000 0,000 0,000 1,000 0,000 0,000 0,000

X1	455040,000	34,000	3000,000	3038,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	790,000	1000,000	784,300	1200,000	783,100	1200,000	783,100	1300,000	779,100	1400,000
GR	765,000	1500,000	761,200	1600,000	760,000	1700,000	761,400	1800,000	759,000	1900,000
GR	745,000	2000,000	741,500	2100,000	740,000	2200,000	740,000	2300,000	730,000	2400,000
GR	749,000	2500,000	741,200	2600,000	737,000	2700,000	730,000	2800,000	735,000	2900,000
GR	735,000	3000,000	732,200	3010,000	731,500	3020,000	731,300	3020,000	731,300	3034,000
GR	739,000	3030,000	744,300	3100,000	739,000	3200,000	737,000	3300,000	749,000	3400,000
GR	772,500	3500,000	777,400	3600,000	783,500	3700,000	790,100	3800,000	0,000	0,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 455040,000 0,000 0,000 0,000 40,000 40,000 40,000 0,000 0,000 0,000

X1 457000,000 32,000 1700,000 1000,000 1920,000 1920,000 1920,000 1,000 -0,000 0,000



GR	78,900	1000.000	780.000	1100.000	790.000	1200.000	799.900	1300.000	788.400	1350.000
GR	747,300	1400.000	746.500	1870.000	745.000	1922.000	742.400	1930.000	746.400	1930.000
CR	746,200	1600.000	745.600	1780.000	745.000	1740.000	747.000	1748.000	747.000	1765.000
GR	743,500	1767.000	743.300	1795.000	744.300	1800.000	747.300	1800.000	737.500	1829.000
GR	797,200	1837.000	760.300	1847.000	760.400	1870.000	776.500	2000.000	783.300	2130.000
GR	786,700	2200.000	780.000	2300.000	795.000	2400.000	800.000	2434.000	807.400	2500.000
GR	800.000	2520.000	790.000	2620.000	800.000	2700.000	800.000	2800.000	800.000	2800.000

X1	4,756.000	0.000	0.000	0.000	755.000	756.000	756.000	1.000	1.500	0.000
X1	459482.000	0.000	0.000	0.000	1720.000	1720.000	1720.000	1.000	3.400	0.000
X1	461210.000	0.000	0.000	0.000	1720.000	1720.000	1720.000	1.000	3.400	0.000
X1	461300.00	0.000	0.000	0.000	70.000	70.000	70.000	0.000	0.000	0.000
X1	461500.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	1.000	0.000
X1	462000.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	1.200	0.000
X1	463000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.500	0.000
X1	464000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.400	0.000
X1	465000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.500	0.000
OT	9.000	1000.000	2000.000	3000.000	10000.000	1000.000	3000.000	5000.000	9400.000	5000.000

X1	469553.000	32.000	230.000	233.000	4593.000	4593.000	4593.000	0.000	0.000	0.000
GR	779.000	1000.000	770.000	3100.000	760.000	1200.000	760.500	1300.000	762.000	1400.000
GR	766.100	1900.000	760.000	1000.000	760.700	1700.000	760.200	1000.000	762.000	1900.000
GR	754.900	2000.000	753.000	2100.000	754.900	2200.000	760.000	2276.000	757.000	2283.000
GR	753.500	2300.000	749.300	2305.000	749.900	2315.000	746.000	2325.000	749.200	2330.000
GR	755.200	2345.000	757.100	2355.000	760.300	2362.000	753.300	2400.000	751.400	2500.000
GR	755.000	2600.000	750.000	2700.000	750.500	2800.000	750.100	2900.000	773.200	3000.000
GR	770.700	3100.000	760.000	3200.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	469703.000	32.000	2270.000	2362.000	190.000	190.000	190.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	761.000	761.000	0.000
GR	779.000	1000.000	770.000	1100.000	760.000	1200.000	760.500	1300.000	762.000	1400.000
GR	766.100	1900.000	767.000	1000.000	760.700	1700.000	760.200	1000.000	762.000	1900.000
GR	754.900	2000.000	753.000	2100.000	754.900	2200.000	760.000	2276.000	757.000	2283.000
GR	753.500	2300.000	749.300	2305.000	749.900	2315.000	746.000	2325.000	749.200	2330.000
GR	755.200	2345.000	757.100	2355.000	760.300	2362.000	753.300	2400.000	751.400	2500.000
GR	755.000	2600.000	750.000	2700.000	750.500	2800.000	760.200	2900.000	773.200	3000.000
GR	770.700	3100.000	760.000	3200.000	0.000	0.000	0.000	0.000	0.000	0.000

SR 2347

X1	469704.000	30.000	2300.000	2330.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	747.400	1000.000	740.000	1100.000	777.000	1200.000	774.200	1300.000	771.100	1400.000
GR	748.000	1900.000	766.000	1000.000	760.700	1700.000	760.100	1000.000	764.700	1900.000
GR	744.000	2000.000	765.000	2200.000	761.000	2271.000	760.000	2276.000	757.000	2283.000
GR	753.500	2300.000	752.000	2301.000	761.000	2303.000	750.000	2304.000	749.300	2305.000
GR	745.900	2315.000	746.000	2325.000	740.000	2334.000	761.000	2335.000	749.000	2337.000

GR	749,200	2338,000	755,200	2345,000	757,120	2355,000	760,800	2362,000	761,000	2368,000
GR	765,100	2369,000	764,800	2360,000	761,320	2380,000	766,500	2700,000	772,300	2900,000
GR	776,000	3000,000	782,100	3100,000	784,000	3235,000	0,000	0,000	0,000	0,000
BT	22,000	1800,000	767,400	767,400	1100,000	782,300	782,300	1200,000	777,900	777,900
BT	1300,000	776,200	774,200	1400,000	771,100	771,100	150,000	768,600	768,600	1600,000
BT	766,800	766,800	1700,000	765,700	765,700	1800,000	765,100	765,100	1900,000	764,760
BT	764,700	2010,000	764,800	764,800	2260,000	765,000	765,000	2271,000	765,000	761,000
BT	2308,000	765,100	761,000	2309,000	765,100	765,100	2500,000	764,900	764,900	2600,000
BT	765,300	765,300	2700,000	766,500	766,500	2900,000	772,500	772,500	3000,000	775,900
BT	770,900	3100,000	782,100	782,100	3235,000	764,000	784,000	0,000	0,000	0,000

X1	469736,000	0,000	0,000	0,000	32,000	32,000	32,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	469737,000	32,000	2276,000	2342,000	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	765,000	765,000	0,000
GR	779,000	1000,000	771,900	1100,000	769,000	1200,000	766,500	1300,000	762,000	1400,000
GR	736,100	1520,000	767,500	1600,000	765,900	1700,000	764,200	1800,000	762,900	1900,000
GR	754,700	2000,000	753,600	2100,000	754,900	2200,000	763,800	2276,000	757,000	2283,000
GR	723,700	2300,000	749,300	2305,000	749,900	2415,000	746,000	2325,000	749,200	2330,000
GR	755,200	2349,000	757,100	2355,000	760,800	2362,000	753,300	2400,000	754,400	2500,000
GR	755,800	2600,000	758,700	2700,000	759,500	2800,000	768,100	2900,000	773,000	3000,000
GR	778,700	3100,000	780,000	3235,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	469837,000	32,000	2305,000	2338,000	100,000	100,000	100,000	0,000	0,000	0,000
GR	779,000	1000,000	771,900	1100,000	769,000	1200,000	766,500	1300,000	762,000	1400,000
GR	766,100	1500,000	767,500	1600,000	765,900	1700,000	764,200	1800,000	762,900	1900,000
GR	754,900	2000,000	753,600	2100,000	754,900	2200,000	760,000	2276,000	757,000	2283,000
GR	723,500	2340,000	749,300	2305,000	749,900	2315,000	746,000	2325,000	749,200	2330,000
GR	755,200	2349,000	757,100	2355,000	760,800	2352,000	753,300	2400,000	754,400	2500,000
GR	755,800	2600,000	758,700	2700,000	759,500	2800,000	768,100	2900,000	773,000	3000,000
GR	778,700	3100,000	780,000	3235,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	470920,000	19,000	969,000	987,000	1003,000	1003,000	1003,000	0,000	0,000	0,000
GR	777,500	0,000	770,400	130,000	766,200	300,000	764,100	490,000	742,600	600,000
GR	757,300	750,000	750,200	860,000	758,200	930,000	755,600	960,000	752,000	972,000
GR	751,500	585,000	756,000	987,000	755,200	1020,000	755,000	1095,000	757,000	1170,000
GR	753,000	1250,000	755,200	1355,000	750,000	1445,000	779,000	1512,000	0,000	0,000
QT	9,000	1500,000	2000,000	2000,000	10000,000	1700,000	3670,000	4800,000	9000,000	4605,000

X1	473204,000	29,000	2265,000	2238,000	2204,000	2204,000	2204,000	0,000	0,000	0,000
GR	780,000	1000,000	776,800	1100,000	778,500	1200,000	774,900	1300,000	773,500	1400,000
GR	775,300	1900,000	767,100	1600,000	764,500	1700,000	763,500	1800,000	762,400	1900,000
GR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2170,000	757,000	2200,000
GR	756,000	2200,000	757,700	2200,000	755,300	2220,000	755,900	2230,000	757,500	2230,000
GR	759,100	2270,000	758,400	2300,000	760,500	2400,000	760,600	2500,000	762,000	2600,000
GR	761,000	2700,000	763,700	2800,000	770,500	2900,000	780,000	2955,000	0,000	0,000

X1	473464,000	29,000	2100,000	2271,000	200,000	200,000	200,000	0,000	0,000	0,000
X2	10,000	0,000	0,000	0,000	0,000	0,000	0,000	775,500	773,500	0,000
GR	760,000	1000,000	778,800	1100,000	773,500	1200,000	774,900	1300,000	773,500	1400,000
GR	775,300	1900,000	767,100	1600,000	764,500	1700,000	763,500	1800,000	762,400	1900,000
CR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2170,000	757,000	2200,000
GR	756,000	2200,000	757,700	2200,000	755,300	2220,000	755,900	2230,000	757,500	2230,000
GR	759,100	2270,000	758,400	2300,000	760,500	2400,000	760,600	2500,000	762,000	2600,000
GR	761,000	2700,000	763,700	2800,000	770,500	2900,000	780,000	2955,000	0,000	0,000

X1	473405.000	76.000	2200.000	2200.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	788.300	1000.000	780.300	1400.000	775.700	1700.000	774.900	1000.000	774.900	1900.000
GR	771.400	2057.000	772.000	2050.000	770.700	2050.000	760.000	2050.000	770.000	2070.000
GR	767.500	2071.000	753.900	2081.000	770.700	2082.000	761.500	2083.000	761.000	2097.000
CR	772.700	2009.000	760.500	2096.000	760.100	2100.000	760.100	2107.000	772.000	2100.000
GR	760.100	2109.000	760.000	2120.000	772.000	2121.000	760.000	2120.000	760.000	2132.000
GR	772.900	2133.000	760.000	2134.000	759.900	2140.000	772.900	2140.000	769.900	2147.000
GR	759.900	2150.000	760.000	2157.000	773.000	2150.000	753.000	2150.000	760.000	2170.000
GR	773.000	2171.000	760.000	2172.000	760.100	2176.000	759.000	2182.000	773.100	2153.000
GR	758.000	2184.000	758.200	2195.000	773.100	2196.000	750.900	2197.000	759.900	2200.000
GR	758.000	2203.000	750.500	2207.000	773.200	2208.000	759.700	2209.000	755.000	2200.000
GR	773.200	2221.000	755.400	2222.000	759.900	2230.000	756.100	2232.000	773.300	2233.000
GR	756.100	2234.000	747.500	2238.000	757.000	2240.000	773.300	2240.000	750.000	2247.000
GR	758.100	2257.000	773.400	2258.000	759.500	2259.000	759.100	2270.000	773.100	2271.000
GR	762.000	2272.000	760.000	2282.000	773.500	2283.000	760.500	2284.000	773.500	2294.000
GR	775.400	2293.000	777.700	2300.000	780.500	2300.000	782.900	2300.000	789.300	2300.000
GR	786.500	2355.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	14.000	1000.000	780.300	780.300	1400.000	780.300	780.300	1700.000	775.700	775.700
BT	774.000	774.000	774.000	1900.000	774.000	774.000	2097.000	174.000	774.000	2090.000
BT	774.000	775.000	2294.000	775.000	173.500	2295.000	775.000	2500.000	775.000	777.000
BT	777.000	2700.000	780.900	780.900	2800.000	782.900	742.000	2700.000	780.000	730.300
BT	2939.000	780.000	785.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	473410.000	0.000	0.000	0.000	10.000	0.000	10.000	0.000	0.000	0.000
X2	0.300	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	473416.000	29.000	2100.000	2270.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	774.400	774.400	0.000
GR	780.000	1000.000	770.000	1100.000	774.000	1200.000	774.000	1000.000	774.000	1400.000
GR	770.000	1900.000	747.100	1600.000	760.500	1700.000	763.500	1800.000	762.400	1700.000
GR	761.500	2000.000	760.000	2100.000	759.900	2150.000	750.000	2170.000	757.000	2200.000
GR	758.000	2203.000	753.700	2209.000	759.300	2220.000	759.000	2230.000	759.000	2230.000
GR	750.100	2270.000	750.400	2300.000	760.500	2400.000	760.000	2500.000	760.000	2600.000
GR	761.000	2700.000	763.700	2800.000	770.000	2900.000	780.000	2950.000	0.000	0.000

X1	473516.000	29.000	2200.000	2250.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	790.000	1000.000	779.000	1100.000	770.900	1200.000	774.500	1000.000	779.000	1400.000
GR	775.300	1900.000	767.100	1600.000	764.900	1700.000	763.500	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.700	2150.000	760.100	2170.000	757.000	2200.000
GR	758.000	2203.000	753.700	2209.000	759.300	2220.000	759.000	2230.000	759.000	2230.000
GR	750.100	2270.000	750.400	2300.000	760.500	2400.000	760.000	2500.000	760.000	2600.000
GR	761.000	2700.000	763.700	2800.000	770.000	2900.000	780.000	2950.000	0.000	0.000

X1	47070.000	10.000	070.000	900.000	2454.000	2454.000	2454.000	1.000	9.100	0.000
GR	803.700	140.000	700.000	240.000	700.000	990.000	757.000	730.000	755.000	870.000
GR	753.500	800.000	751.000	800.000	757.000	900.000	750.100	760.000	745.000	920.000
GR	750.000	1020.000	761.500	1000.000	801.000	265.000	0.000	0.000	0.000	0.000

X1	477310.000	21.000	720.000	742.000	1000.000	1000.000	1000.000	1.000	-3.000	0.000
GR	790.000	210.000	770.000	800.000	704.700	870.000	762.000	440.000	740.000	740.000
GR	760.000	970.000	762.000	670.000	762.000	890.000	763.000	720.000	761.000	720.000
GR	759.700	720.000	759.000	730.000	763.700	742.000	762.000	810.000	762.000	900.000
GR	763.500	990.000	767.000	990.000	772.000	1020.000	762.000	1100.000	769.000	1170.000
GR	791.000	1210.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	47830.000	71.000	1700.000	1730.000	1400.000	1400.000	1400.000	0.000	0.000	0.000
GR	800.000	1000.000	790.000	1100.000	780.000	1200.000	772.000	1000.000	780.000	1400.000
GR	780.000	1900.000	765.000	1600.000	764.000	1700.000	763.000	1800.000	762.400	1700.000
GR	759.000	1710.000	761.000	1730.000	764.900	1730.000	764.000	1800.000	765.000	1900.000
GR	760.000	2000.000	760.000	2100.000	760.000	2200.000	760.000	2300.000	760.000	2400.000

GR	776,100	2507,000	769,000	2600,000	763,500	2700,000	760,000	2000,000	770,700	2900,000
GR	774,000	3070,000	777,000	3100,000	779,000	3200,000	782,000	3300,000	785,200	3400,000
CR	793,600	3474,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	479000.000	0.000	0.000	0.000	470.000	470.000	470.000	1.000	.900	0.000
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X1	479500.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
OT	9.000	1070.000	2000.000	3000.000	1000.000	1000.000	3300.000	4400.000	8400.000	4400.000

X1	483804.000	24,000	1080,000	1719,000	4384,000	4384,000	4384,000	0.000	0.000	0.000
GR	793,000	1000,000	789,100	1100,000	785,000	1100,000	782,000	1200,000	778,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1620,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,500	1690,000	770,500	1691,000	770,500	1700,000
GR	771,800	1719,000	775,300	1719,000	776,800	1740,000	784,300	1759,000	772,900	1764,000
GR	776,600	1851,000	789,300	1871,000	789,000	1920,000	797,800	1957,000	0.000	0.000

X1	483904.000	24,000	1654,000	1759,000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10,000	0.000	0.000	0.000	0.000	0.000	0.000	780,000	780,000	0.000
GR	793,000	1000,000	789,100	1100,000	785,000	1100,000	782,000	1200,000	778,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1620,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,500	1690,000	770,500	1691,000	770,500	1700,000
GR	771,800	1719,000	775,300	1719,000	776,800	1740,000	784,300	1759,000	772,900	1764,000
GR	776,600	1851,000	789,300	1871,000	789,000	1920,000	797,800	1957,000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SOUTHERN RR

X1	483905.000	28,000	1634,000	1759,000	1.000	1.000	1.000	0.000	0.000	0.000
GR	793,000	1000,000	789,100	1100,000	785,000	1100,000	782,000	1200,000	778,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1620,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,500	1690,000	770,500	1691,000	770,500	1700,000
GR	771,800	1719,000	775,300	1719,000	776,800	1740,000	784,300	1759,000	772,900	1764,000
GR	776,600	1851,000	789,300	1871,000	789,000	1920,000	797,800	1957,000	0.000	0.000
BT	14,000	1000,000	790,000	790,000	1200,000	784,000	784,000	1300,000	782,000	782,000
ST	1400,000	781,400	781,400	1500,000	782,300	782,300	1000,000	784,500	784,500	1627,000
ST	785,100	785,100	1620,000	785,100	783,200	1690,000	787,100	785,200	1763,000	786,300
BT	786,400	1784,000	780,000	780,000	1071,000	792,300	791,300	1900,000	792,300	792,300
BT	157,000	790,000	794,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	484015.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	484016.000	24,000	1634,000	1759,000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10,000	0.000	0.000	0.000	0.000	0.000	0.000	781,000	781,000	0.000
GR	793,000	1000,000	789,100	1100,000	785,000	1100,000	782,000	1200,000	778,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1620,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,500	1690,000	770,500	1691,000	770,500	1700,000
GR	771,800	1719,000	775,300	1719,000	776,800	1740,000	784,300	1759,000	772,900	1764,000
GR	776,600	1851,000	789,300	1871,000	789,000	1920,000	797,800	1957,000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	484110.000	24,000	1600,000	1719,000	100.000	100.000	100.000	0.000	0.000	0.000
GR	793,000	1000,000	789,100	1100,000	785,000	1100,000	782,000	1200,000	778,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1620,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,500	1690,000	770,500	1691,000	770,500	1700,000
GR	771,800	1719,000	775,300	1719,000	776,800	1740,000	784,300	1759,000	772,900	1764,000
GR	776,600	1851,000	789,300	1871,000	789,000	1920,000	797,800	1957,000	0.000	0.000

01 9.000 1000.000 2000.000 3000.000 4000.000 5000.000 6000.000 7000.000 8000.000 9000.000 10000.000

X1 494711.000	19.000	1000.000	1001.000	10595.000	10595.000	10595.000	0.000	0.000	0.000
GR 813.600	0.000	805.700	100.000	797.000	200.000	792.000	587.000	791.700	400.000
GR 790.800	500.000	786.300	000.000	786.300	700.000	786.300	800.000	784.200	900.000
GR 782.700	1000.000	777.000	1002.000	777.000	1513.000	781.200	1021.000	784.700	1100.000
GR 793.900	1200.000	797.700	2300.000	801.000	1400.000	809.500	1500.000	0.000	9.000

SA 2100

X1 494741.000	19.000	864.000	1017.000	50.000	50.000	50.000	0.000	0.000	0.000
X2 10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR 813.600	0.000	805.700	100.000	797.000	200.000	792.000	587.000	791.700	400.000
GR 790.800	500.000	786.300	000.000	786.300	700.000	786.300	800.000	784.200	900.000
GR 783.000	984.000	778.300	905.000	778.300	1015.000	781.500	1017.000	784.500	1100.000
GR 793.900	1200.000	797.700	2300.000	801.000	1400.000	809.500	1500.000	0.000	0.000
SB 1.250	1.500	2.500	0.500	31.400	1.000	920.500	0.000	770.100	770.000

X1 494720.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2 0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Y4 10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT 10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT 300.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT 795.500	780.400	720.000	794.900	780.300	600.000	794.900	700.000	700.000	794.900
BT 784.200	984.000	778.300	783.000	783.000	794.700	792.300	1010.000	794.700	792.300
BT 1017.000	794.700	781.500	1100.000	795.500	784.500	1200.000	796.100	793.900	1300.000
BT 790.800	797.700	1400.000	801.000	801.000	1500.000	809.500	0.000	0.000	0.000

X1 494849.000	19.000	1000.000	1001.000	0.000	0.000	0.000	0.000	0.000	0.000
GR 813.600	0.000	805.700	100.000	797.000	200.000	792.000	587.000	791.700	400.000
GR 790.800	500.000	786.300	000.000	786.300	700.000	786.300	800.000	784.200	900.000
GR 782.700	1000.000	777.000	1002.000	777.000	1015.000	781.500	1021.000	784.700	1100.000
GR 793.900	1200.000	797.700	2300.000	801.000	1400.000	809.500	1500.000	0.000	0.000

X1 495000.000	0.000	0.000	0.000	191.000	191.000	191.000	1.000	1.000	0.000
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X1 495500.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
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X1 495000.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
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X1 497000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.000	0.000
01 9.000	1000.000	2000.000	3000.000	4000.000	5000.000	6000.000	7000.000	8000.000	9000.000

X1 502130.000	15.000	1000.000	1010.000	5130.000	5130.000	5130.000	1.000	11.200	0.000
GR 849.200	100.000	949.400	200.000	839.000	300.000	830.400	900.000	831.000	500.000
GR 819.000	600.000	817.000	700.000	810.000	000.000	810.000	900.000	810.000	1000.000
GR 819.000	1000.000	814.000	1010.000	810.000	1010.000	820.000	1100.000	841.200	1200.000

X1 505237.000	0.000	0.000	0.000	3099.000	3099.000	3099.000	1.000	11.300	0.000
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NC 60

X1 505407.000	20.000	1001.000	1090.000	250.000	250.000	250.000	0.000	0.000	0.000
X3 10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR 849.200	100.000	949.400	200.000	839.000	300.000	830.400	900.000	831.000	500.000

GR	819,800	689,800	817,900	700,000	816,200	802,000	916,600	900,000	810,300	1000,000
GR	818,300	1001,000	817,200	1013,000	814,800	1017,000	815,200	1033,000	810,700	1030,000
GR	818,000	1037,000	821,100	1052,000	821,100	1033,000	826,700	1100,000	841,200	1230,000
SR	1,020	1,500	3,100	0,000	18,300	1,000	204,300	2,070	814,800	814,800

X1	505513,000	0,000	0,000	0,000	20,000	20,000	20,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	15,000	100,000	849,200	849,200	200,000	849,400	849,400	300,000	839,800	839,800
BT	400,000	830,400	836,400	500,000	831,500	831,500	800,000	824,300	819,200	700,000
BT	825,700	817,900	840,000	824,700	816,500	900,000	824,400	816,000	1000,000	824,700
BT	828,300	1001,000	824,700	523,200	1052,000	824,700	823,200	1053,000	824,770	821,100
BT	1100,000	820,900	825,900	1200,000	811,200	841,200	0,000	0,000	0,000	0,000
OT	9,000	1000,000	2000,000	5000,000	10000,000	900,000	1000,000	2400,000	4400,000	2400,000

X1	505713,000	10,000	1000,000	1011,000	200,000	200,000	200,000	0,000	0,000	0,000
GR	845,700	100,000	848,000	200,000	836,000	300,000	833,100	400,000	820,000	500,000
GR	824,900	000,000	820,200	700,000	817,400	000,000	810,300	700,000	817,600	1000,000
GR	816,100	1000,000	715,900	1000,000	817,800	1011,000	817,900	1100,000	810,500	1100,000
GR	824,200	1200,000	840,900	1300,000	846,600	1400,000	0,000	0,000	0,000	0,000

X1	505900,000	0,000	0,000	0,000	07,000	07,000	07,000	1,000	0,000	0,000
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X1	505900,000	0,000	0,000	0,000	100,000	100,000	100,000	1,000	0,000	0,000
OT	9,000	1000,000	2000,000	5000,000	10000,000	020,000	1000,000	2200,000	4000,000	2200,000

X1	505300,000	14,000	1000,000	1022,000	500,000	500,000	600,000	1,000	-11,000	0,000
GR	872,700	400,000	865,000	500,000	857,000	600,000	840,200	700,000	830,500	800,000
GR	832,000	900,000	831,400	1000,000	830,000	1002,000	829,500	1010,000	831,000	1002,000
GR	832,100	1100,000	839,600	1200,000	840,200	1300,000	864,300	1400,000	0,000	0,000

X1	507500,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	3,200	0,000
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X1	510019,000	0,000	0,000	0,000	2519,000	2519,000	2519,000	1,000	7,000	0,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

SR 2322

X1	510110,000	10,000	1000,000	1024,000	100,000	100,000	100,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	833,200	833,200	0,000
GR	872,700	400,000	869,000	500,000	867,000	600,000	849,200	700,000	830,500	800,000
GR	832,000	900,000	833,200	1000,000	829,500	1000,000	829,500	1009,400	833,200	1011,000
GR	845,200	1010,000	829,500	1010,000	825,500	1074,400	833,200	1026,000	832,100	1100,000
GR	839,000	1200,000	848,200	1300,000	867,300	1400,000	0,000	0,000	0,000	0,000
SR	1,250	1,200	2,500	0,000	19,000	1,000	159,200	0,000	830,500	829,500

X1	510201,000	0,000	0,000	0,000	82,000	82,000	82,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	840,100	840,100	0,000
BT	10,000	400,000	872,700	872,700	500,000	865,000	869,000	600,000	855,200	855,200
BT	700,000	850,000	840,200	830,000	840,900	838,500	900,000	843,100	832,000	1000,000
BT	840,100	830,100	1001,000	840,100	830,700	1009,400	840,100	836,900	1011,000	840,100
BT	833,200	1010,000	840,100	833,200	1010,000	840,100	836,900	1024,400	840,100	830,700
BT	1026,000	840,100	833,200	1100,000	840,000	832,100	1200,000	841,000	841,000	1300,000
BT	848,200	840,200	1400,000	864,300	864,300	0,000	0,000	0,000	0,000	0,000



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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50.01.52  
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T1 GUILFORD COUNTY FIA STUDY- SE 1/2 FLOOD  
 T2 HAW RIVER (STREAM NO 441) NC 87 NR ALTAHANAH TO GUILFORD-FORSYTH CO LINE  
 T3 AUG 1977 DLO

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	RVINS	Q	HSEL	FD
-10		7.	0.	0.	.001576	0.00	-.0	0.	660.950	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBK	CHNIK	ITRACE
	2.000	0.000	*1.00*	0.000	7.000	0.000	0.000	0.000	0.000	0.000

\*PROF C

CCHV= .200 CCHV= .400  
 +SECO 294977.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRHS	WSEL	EG	HL	GLOSS	BANK	ELEV
Q	CLOB	QCH	WROB	ALCB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	NTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPRID	ENDST
294977.00	17.91	601.31	0.00	600.93	11.60	.30	0.00	0.00	589.70
11000.	3012.	7360.	620.	1540.	1270.	367.	0.	0.	589.50
0.00	1.95	2.77	1.71	.120	.055	.120	0.000	503.40	1321.19
*001007	0.	0.	0.	0	0	0	0.00	378.57	1759.04

\*SECO 295027.000

3265 DIVIDED FLOW

3495 NYEKBANK AREA ASSUMED NON-EFFECTIVE, ELLEA\* 005.80 SLREA\* 005.80

295027.00	16.13	601.53	0.00	0.00	601.77	.24	.07	.02	502.00
11000.	0.	11000.	0.	0.	278.	0.	3.	0.	603.10
.00	0.00	2.77	0.00	.120	.055	.120	.004	503.40	1472.00
*001205	50.	50.	50.	2	0	0	0.00	249.54	1725.00

\*SECO 295028.000

3265 DIVIDED FLOW

NC 87

295028.00	10.00	601.48	0.00	0.00	601.81	.33	.00	.03	589.70
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 HCC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50,51,92  
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T1 GUILFORD COUNTY FIA STUDY-100 YR FLOOD  
 T2 HAW RIVER (STREAM NO 44), NC 87 NR ALTAHAWAH TO GUILFORD-FORSYTH CO LINE  
 T3 AUG 1977 DLG

J1	ICHECK	INO	INVT	IGIR	SINT	METRIC	HVINS	Q	RSGD	FO
	-10.	0.	0.	0.	.001500	0.00	-1.0	0.	603.400	0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 3

COHVF .200 25HV# .400  
 \*SECNO 294977.000

3265 DIVIDED FLOW

SECNO	DEPTH	CMSEL	CRINS	MSELK	EQ	HV	HL	GLOSS	BANK ELEV
Q	QLOS	QCH	QROB	ALOB	ACH	AROS	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOS	XLCH	XLROB	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
294977.00	20.47	603.87	0.00	603.48	604.27	.39	0.00	0.00	589.70
15000.	40.97.	9168.	1025.	2172.	1475.	546.	0.	0.	589.50
0.00	2.21	6.22	1.88	.120	.065	.120	0.000	583.40	1318.43
.001516	0.	0.	0.	0	0	0	0.00	403.13	1750.72

\*SECNO 295027.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 605.00 ELREA# 605.80

295027.00	20.66	604.06	0.00	0.00	604.35	.39	0.00	0.00	602.00
15000.	0.	15000.	0.	0.	3426.	0.	0.	0.	603.10
.00	0.00	4.38	0.00	.120	.065	.120	.004	583.40	1472.00
.001149	50.	50.	50.	2	0	1	0.00	253.00	1725.00

\*SECNO 295028.000

3265 DIVIDED FLOW

NC 87

295028.00	20.62	604.04	0.00	0.00	604.38	.36	0.00	0.00	589.70
15000.	5760.	8100.	1000.	1717.	1409.	320.	0.	0.	589.50
.00	3.35	5.00	3.23	.120	.065	.120	.063	583.40	1318.27
.003147	1.	1.	1.	2	0	0	0.00	294.89	1727.95

THIS RUN EXECUTED 14 OCT 77 08.52

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDA ED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
 \*\*\*\*\*

T1 GUILFORD COUNTY FIA STUDY-500 YR FLOOD  
 T2 HAY RIVER (STREAM NO 44, NC 87 NR ALTAHAM TO GUILFORD-FORSYTH CO LINE  
 T3 AUG 1977 DLG

J1	ICHECK	INO	NINV	IDIR	DIR7	METRIC	HVINS	Q	WSEL	FW
	-10.	9.	0.	0.	.901547	0.00	-1.0	0.	610.360	0.000
J2	NPROF	IPLOY	PNFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNTH	ITRACE
	15.000	0.000	-1.000	0.300	0.900	0.000	0.000	0.000	0.000	9.000

\*PROF 4

CCHV# .200 CCHV# .400  
 \*SECNO 204977.000

SECNO	DEPTH	CMSCL	CRINS	NS_LK	EG	HV	HL	CROSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALUB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SGTA	
SLOPE	XLOBL	XLCH	XLOBLW	ITRIAL	IDC	ICONT	CORAN	TOPWID	ERDET	
294977.00	27.30	610.76	0.00	610.36	611.70	.5	0.00	0.00	589.70	
31200.	12500.	15975.	3365.	4364.	2012.	1429.	0.	0.	589.50	
0.00	2.30	7.74	2.30	.120	.005	.120	.000	583.40	1227.34	
.001553	0.	0.	0.	0	0	3	0.00	659.90	1877.33	

\*SECNO 295027.000

295027.00	27.61	611.01	0.00	0.00	611.37	.30	.00	.05	602.30	
31200.	3210.	26917.	1365.	1474.	5165.	912.	9.	1.	603.10	
.00	1.72	5.19	1.00	.120	.055	.120	.004	583.40	1210.01	
.000956	50.	50.	50.	2	0	0	0.00	665.52	1881.53	

\*SECNO 295028.000

NC 87

295028.00	27.52	610.92	0.00	0.00	611.43	.51	.00	.05	589.70	
31200.	14470.	14174.	2849.	3501.	1947.	773.	9.	1.	589.50	
.00	4.13	7.20	3.70	.120	.065	.120	.003	583.40	1093.57	
.003493	1.	1.	1.	2	0	0	5.00	783.63	1877.20	

\*SECNO 295052.000

295052.00	27.02	611.00	0.00	0.00	611.80	.50	.00	.00	589.70	
31000.	14510.	14125.	2863.	3520.	1954.	787.	13.	1.	589.50	
.00	4.00	7.23	3.64	.120	.065	.120	.003	563.40	1092.01	
.003307	24.	24.	24.	2	0	0	5.00	790.02	1882.63	

SECNO	Q	CNSEL	UIFWSP	DIFMSX	DIFKMS	TOPWID	XLCH
505713.000	200.00	821.82	0.00	1.53	0.00	379.89	200.00
505713.000	1000.00	823.85	0.00	1.62	0.00	375.41	200.00
505713.000	2400.00	824.86	0.00	.37	0.00	603.67	200.00
505713.000	4400.00	826.12	1.27	.13	0.00	551.00	200.00
505800.000	900.00	821.59	0.00	.06	0.00	513.89	87.00
505800.000	1500.00	823.08	0.00	.03	0.00	559.91	87.00
505800.000	2400.00	824.89	0.00	.03	0.00	595.63	87.00
505800.000	4400.00	826.18	1.29	.05	0.00	641.44	87.00
505900.000	900.00	821.69	0.00	.10	0.00	509.00	100.00
505900.000	1800.00	823.92	0.00	.05	0.00	563.53	100.00
505900.000	2400.00	824.93	0.00	.04	0.00	588.52	100.00
505900.000	4400.00	826.24	1.31	.37	0.00	632.36	100.00
506500.000	820.00	822.55	0.00	1.16	0.00	241.87	600.00
506500.000	1650.00	824.48	0.00	.55	0.00	292.69	600.00
506500.000	2200.00	825.41	0.00	.48	0.00	320.96	600.00
506500.000	4000.00	826.96	1.34	.71	0.00	388.35	600.00
507500.000	820.00	826.50	0.00	3.74	0.00	250.60	1000.00
507500.000	1650.00	827.77	0.00	3.29	0.00	294.96	1000.00
507500.000	2200.00	828.42	0.00	3.01	0.00	314.70	1000.00
507500.000	4800.00	830.21	1.79	3.25	0.00	370.05	1000.00
510019.000	820.00	834.10	0.00	7.58	0.00	252.05	2519.00
510019.500	1650.00	835.69	0.00	7.83	0.00	295.91	2519.00
510019.000	2200.00	836.32	0.00	7.93	0.00	317.92	2519.00
510019.000	4000.00	838.06	1.77	7.88	0.00	372.51	2519.00
510119.000	820.00	834.59	0.00	.42	0.00	264.73	100.00
510119.000	1650.00	835.96	0.00	.76	0.00	306.91	100.00
510119.000	2200.00	836.67	0.00	.35	0.00	328.79	100.00
510119.000	4000.00	838.44	1.77	.35	0.00	383.42	100.00
510201.000	820.00	834.60	0.00	.01	0.00	26.00	82.00
510201.000	1650.00	836.30	0.00	2.34	0.00	26.00	82.00
510201.000	2200.00	840.91	0.00	4.14	0.00	435.84	82.00
510201.000	4000.00	842.32	1.30	3.88	0.00	467.25	82.00
510301.000	820.00	836.21	0.00	1.50	0.00	314.56	100.00
510301.000	1650.00	840.00	0.00	1.70	0.00	418.61	100.00
510301.000	2200.00	840.84	0.00	.03	0.00	438.23	100.00
510301.000	4000.00	842.36	1.52	.04	0.00	468.17	100.00
510500.000	820.00	836.33	0.00	.12	0.00	267.40	199.00
510500.000	1650.00	840.34	0.00	.04	0.00	397.61	199.00
510500.000	2200.00	840.89	0.00	.05	0.00	416.34	199.00
510500.000	4000.00	842.45	1.50	.09	0.00	449.08	199.00
510700.000	820.00	838.39	0.00	.26	0.00	264.57	200.00
510700.000	1650.00	840.12	0.00	.07	0.00	375.47	200.00
510700.000	2200.00	840.97	0.00	.08	0.00	396.04	200.00
510700.000	4000.00	842.58	1.61	.13	0.00	430.84	200.00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFWSS	TOPWID	XLCH
511000.000	820.00	837.46	0.00	.87	0.40	245.13	300.00
511000.000	1650.00	842.33	0.00	.71	0.00	333.62	300.00
511000.000	2200.00	841.19	0.00	.82	0.00	349.46	300.00
511000.000	4000.00	842.89	1.70	.31	-.30	425.56	300.00
511500.000	820.00	839.78	0.00	2.32	0.00	245.52	300.00
511500.000	1650.00	841.23	0.00	.71	0.00	298.99	300.00
511500.000	2200.00	842.00	0.00	.87	0.00	315.20	300.00
511500.000	4000.00	843.69	1.83	1.00	0.00	372.02	300.00
512000.000	820.00	842.08	0.00	2.30	0.00	245.36	300.00
512000.000	1650.00	843.25	0.00	2.02	0.00	282.15	300.00
512000.000	2200.00	843.92	0.00	1.80	0.00	302.27	300.00
512000.000	4000.00	845.65	1.72	1.76	0.00	355.66	300.00
514700.000	510.00	856.44	0.00	14.37	0.00	80.65	2700.00
514700.000	1030.00	857.95	0.00	14.70	0.00	111.88	2700.00
514700.000	1370.00	858.64	0.00	14.72	0.00	122.86	2700.00
514700.000	2500.00	860.30	1.02	14.92	0.00	149.26	2700.00
514930.000	510.00	857.21	0.00	.76	0.00	100.10	190.00
514930.000	1030.00	858.77	0.00	.82	0.00	124.97	190.00
514930.000	1370.00	859.56	0.00	.87	0.00	131.72	190.00
514930.000	2500.00	861.31	1.01	1.01	0.00	165.37	190.00
514950.000	510.00	857.21	0.00	.90	0.00	23.00	20.00
514950.000	1030.00	858.77	0.00	.08	0.00	125.00	20.00
514950.000	1370.00	860.30	0.00	.30	0.00	149.36	20.00
514950.000	2500.00	861.93	1.03	.62	0.00	175.23	20.00
515050.000	400.00	857.89	0.00	.88	0.00	110.96	100.00
515050.000	930.00	859.13	0.00	.75	0.00	130.43	100.00
515050.000	1220.00	860.54	0.00	.75	0.00	133.36	100.00
515050.000	2300.00	862.31	1.75	.37	0.00	191.00	100.00
515130.000	400.00	858.60	0.00	.11	0.00	110.75	00.00
515130.000	930.00	859.72	0.00	.12	0.00	133.60	00.00
515130.000	1220.00	860.69	0.00	.14	0.00	135.68	00.00
515130.000	2300.00	862.51	1.82	.26	0.00	184.55	00.00

SUMMARY OF ERRORS

CAUTION SECNO\*\*\*\*\* PROFILE# 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO\*\*\*\*\* PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO\*\*\*\*\* PROFILE# 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO\*\*\*\*\* PROFILE# 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO\*\*\*\*\* PROFILE# 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO\*\*\*\*\* PROFILE# 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO\*\*\*\*\* PROFILE# 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO\*\*\*\*\* PROFILE# 4 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO\*\*\*\*\* PROFILE# 2 MINIMUM SPECIFIC ENERGY

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

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

AUG 1977 DLO

SUMMARY PRINTOUT TABLE 130

SECNO	XLCH	ELTRD	ELLC	ELNIN	U	CWSEL	CRMS	EG	10K+S	VCH	AREA
294977.000	0.00	0.00	0.00	583.40	4900.00	596.02	0.00	596.31	17.52	4.67	1497.
294977.000	0.00	0.00	0.00	583.40	11000.00	601.31	0.00	601.60	15.87	5.77	3188.
294977.000	0.00	0.00	0.00	583.40	15000.00	603.87	0.00	604.27	15.16	6.22	4192.
294977.000	0.00	0.00	0.00	583.40	31500.00	610.76	0.00	611.20	15.53	7.74	7806.
295027.000	50.00	0.00	0.00	583.40	4900.00	596.26	0.00	596.42	15.83	3.20	1520.
295027.000	50.00	0.00	0.00	583.40	11000.00	601.53	0.00	601.77	13.39	3.94	2789.
295027.000	50.00	0.00	0.00	583.40	15000.00	604.06	0.00	604.35	11.80	4.38	3125.
295027.000	50.00	0.00	0.00	583.40	31500.00	611.01	0.00	611.37	9.56	5.19	7970.
295028.000	1.00	0.00	0.00	583.40	4900.00	596.19	0.00	596.46	29.89	4.62	1425.
295028.000	1.00	0.00	0.00	583.40	11000.00	601.48	0.00	601.81	30.78	5.45	2735.
295028.000	1.00	0.00	0.00	583.40	15000.00	604.02	0.00	604.30	31.47	5.80	3454.
295028.000	1.00	0.00	0.00	583.40	31500.00	610.92	0.00	611.43	34.33	7.28	6318.
295052.000	24.00	0.00	0.00	583.40	4900.00	596.27	0.00	596.53	29.01	4.56	1442.
295052.000	24.00	0.00	0.00	583.40	11000.00	601.56	0.00	601.88	30.09	5.40	2757.
295052.000	24.00	0.00	0.00	583.40	15000.00	604.10	0.00	604.46	30.91	5.76	3478.
295052.000	24.00	0.00	0.00	583.40	31500.00	611.02	0.00	611.52	33.07	7.23	6291.
295053.000	1.00	0.00	0.00	583.40	4900.00	596.48	0.00	596.56	14.78	3.13	1363.
295053.000	1.00	0.00	0.00	583.40	11000.00	601.67	0.00	601.90	11.90	3.90	2823.
295053.000	1.00	0.00	0.00	583.40	15000.00	604.18	0.00	604.47	11.54	4.34	3457.
295053.000	1.00	0.00	0.00	583.40	31500.00	611.20	0.00	611.95	11.22	5.13	8093.
295103.000	50.00	0.00	0.00	583.40	4900.00	596.42	0.00	596.67	15.09	4.44	1527.
295103.000	50.00	0.00	0.00	583.40	11000.00	601.67	0.00	602.01	14.37	5.57	3324.
295103.000	50.00	0.00	0.00	583.40	15000.00	604.20	0.00	604.57	14.02	6.05	4323.
295103.000	50.00	0.00	0.00	583.40	31500.00	611.17	0.00	611.66	14.37	7.52	8078.
295399.000	296.00	0.00	0.00	584.60	4900.00	596.55	0.00	596.91	3.96	2.05	2412.
295399.000	296.00	0.00	0.00	584.60	11000.00	602.14	0.00	602.27	4.58	2.92	3994.
295399.000	296.00	0.00	0.00	584.60	15000.00	604.66	0.00	604.84	4.87	3.37	4816.
295399.000	296.00	0.00	0.00	584.60	31500.00	611.61	0.00	611.96	6.56	4.89	7396.
* 295400.000	1.00	0.00	0.00	603.80	4900.00	605.72	605.72	606.66	107.41	7.82	635.
* 295400.000	1.00	0.00	0.00	603.80	11000.00	607.05	607.06	608.66	90.46	10.15	1110.
* 295400.000	1.00	0.00	0.00	602.80	15000.00	607.79	607.79	609.75	84.83	11.26	1372.
* 295400.000	1.00	0.00	0.00	603.80	31500.00	610.30	610.30	613.40	71.60	14.34	2361.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHDEL	CRIMS	EG	10K+S	VCH	AREA
295401.000	1.00	0.00	0.00	593.60	4900.00	606.59	0.00	606.61	22.78	4.18	1664.
295401.000	1.00	0.00	0.00	593.60	11000.00	606.27	0.00	606.66	49.87	7.88	2380.
295401.000	1.00	0.00	0.00	593.60	19000.00	609.16	0.00	609.98	66.87	8.31	2788.
295401.000	1.00	0.00	0.00	593.60	31500.00	612.50	0.00	613.30	84.91	11.00	4226.
295402.000	1.00	0.00	0.00	593.60	4900.00	606.59	0.00	606.62	22.69	4.17	1667.
295402.000	1.00	0.00	0.00	593.60	11000.00	608.28	0.00	608.87	48.73	6.99	2387.
295402.000	1.00	0.00	0.00	593.60	19000.00	609.19	0.00	609.99	66.66	8.38	2792.
295402.000	1.00	0.00	0.00	593.60	31500.00	613.31	0.00	613.81	86.73	11.85	4229.
295403.000	3.00	0.00	0.00	593.60	4900.00	606.60	0.00	606.62	22.69	4.17	1669.
295403.000	3.00	0.00	0.00	593.60	11000.00	608.30	0.00	608.88	48.36	6.97	2394.
295403.000	3.00	0.00	0.00	593.60	19000.00	609.22	0.00	611.01	66.17	8.27	2800.
295403.000	3.00	0.00	0.00	593.60	31500.00	612.56	0.00	613.84	85.76	11.88	4245.
295410.000	5.00	0.00	0.00	593.60	4900.00	606.61	0.00	606.63	22.50	4.16	1673.
295410.000	5.00	0.00	0.00	593.60	11000.00	608.53	0.00	608.91	47.73	6.94	2406.
295410.000	5.00	0.00	0.00	593.60	19000.00	609.26	0.00	610.84	59.13	8.22	2819.
295410.000	5.00	0.00	0.00	593.60	31500.00	612.43	0.00	613.89	83.92	11.78	4200.
295420.000	10.00	0.00	0.00	593.60	4900.00	606.63	0.00	606.66	22.21	4.14	1673.
295420.000	10.00	0.00	0.00	593.60	11000.00	608.39	0.00	608.96	46.41	6.87	2433.
295420.000	10.00	0.00	0.00	593.60	19000.00	609.34	0.00	610.10	56.92	8.12	2860.
295420.000	10.00	0.00	0.00	593.60	31500.00	612.57	0.00	613.98	86.13	11.53	4390.
295450.000	30.00	0.00	0.00	593.60	4900.00	606.70	0.00	606.93	23.78	4.25	1680.
295450.000	30.00	0.00	0.00	593.60	11000.00	608.58	0.00	609.10	47.51	6.93	2411.
295450.000	30.00	0.00	0.00	593.60	19000.00	609.51	0.00	610.28	57.83	8.19	2869.
295450.000	30.00	0.00	0.00	593.60	31500.00	612.83	0.00	614.22	78.90	11.47	4374.
295500.000	50.00	0.00	0.00	594.00	4900.00	606.81	0.00	607.06	25.13	4.38	1793.
295500.000	50.00	0.00	0.00	594.00	11000.00	608.77	0.00	609.34	46.90	6.90	2423.
295500.000	50.00	0.00	0.00	594.00	19000.00	609.22	0.00	610.56	55.89	8.03	2896.
295500.000	50.00	0.00	0.00	594.00	31500.00	613.31	0.00	614.62	72.31	11.14	4512.
295600.000	100.00	0.00	0.00	594.20	4900.00	607.87	0.00	607.31	24.46	4.08	1612.
295600.000	100.00	0.00	0.00	594.20	11000.00	609.29	0.00	609.79	48.67	6.54	2593.
295600.000	100.00	0.00	0.00	594.20	19000.00	610.34	0.00	611.08	46.76	7.58	3007.
295600.000	100.00	0.00	0.00	594.20	31500.00	614.17	0.00	615.31	59.66	10.44	4531.
296000.000	400.00	0.00	0.00	594.50	4900.00	607.90	0.00	606.14	17.66	3.83	1059.
296000.000	400.00	0.00	0.00	594.50	11000.00	610.73	0.00	611.06	25.18	5.57	3079.
296000.000	400.00	0.00	0.00	594.50	19000.00	612.11	0.00	612.56	25.17	6.36	3714.
296000.000	400.00	0.00	0.00	594.50	31500.00	616.42	0.00	617.19	35.73	8.73	3784.
297000.000	1000.00	0.00	0.00	595.10	4900.00	609.40	0.00	609.56	11.49	3.30	2229.
297000.000	1000.00	0.00	0.00	595.10	11000.00	612.77	0.00	613.01	14.86	4.65	3741.
297000.000	1000.00	0.00	0.00	595.10	19000.00	614.40	0.00	614.70	16.42	5.31	4915.
297000.000	1000.00	0.00	0.00	595.10	31500.00	619.89	0.00	619.91	28.63	7.30	4990.
298000.000	1000.00	0.00	0.00	595.80	4900.00	610.58	0.00	610.82	1.77	3.99	1754.
298000.000	1000.00	0.00	0.00	595.80	10700.00	614.26	0.00	614.33	16.01	5.50	3320.
298000.000	1000.00	0.00	0.00	595.80	14600.00	616.07	0.00	616.48	18.41	6.18	4167.
298000.000	1000.00	0.00	0.00	595.80	31000.00	621.48	0.00	622.09	22.30	6.16	7094.

SECNO	ALCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRWS	EG	10**S	VCH	AREA
300000.000	2000.00	0.00	0.00	597.30	4800.00	612.83	0.00	613.00	9.51	3.99	2051.
300000.000	2000.00	0.00	0.00	597.30	10700.00	617.15	0.00	617.30	11.22	4.74	3953.
300000.000	2000.00	0.00	0.00	597.30	14600.00	619.16	0.00	619.43	12.06	5.38	4771.
300000.000	2000.00	0.00	0.00	597.30	31000.00	625.20	0.00	625.62	13.99	6.40	8464.
308740.000	8740.00	0.00	0.00	601.00	4800.00	619.46	0.00	619.60	6.13	3.52	2100.
308740.000	8740.00	0.00	0.00	601.00	10700.00	624.71	0.00	624.80	6.78	4.23	4747.
308740.000	8740.00	0.00	0.00	601.00	14600.00	627.00	0.00	627.28	6.91	4.59	6220.
308740.000	8740.00	0.00	0.00	601.00	31000.00	633.64	0.00	633.65	7.00	5.47	12417.
311430.000	2690.00	0.00	0.00	602.80	4800.00	621.20	0.00	621.35	6.90	3.52	2150.
311430.000	2690.00	0.00	0.00	602.80	10700.00	626.73	0.00	626.97	6.67	4.79	3733.
311430.000	2690.00	0.00	0.00	602.80	14600.00	629.22	0.00	629.50	6.72	5.45	4903.
311430.000	2690.00	0.00	0.00	602.80	31000.00	636.20	0.00	636.68	13.14	7.50	7408.
316700.000	5270.00	0.00	0.00	607.30	4800.00	624.80	0.00	624.94	6.71	3.29	2159.
316700.000	5270.00	0.00	0.00	607.30	10700.00	630.78	0.00	630.96	6.65	4.14	4190.
316700.000	5270.00	0.00	0.00	607.30	14600.00	633.57	0.00	633.79	6.85	4.58	5329.
316700.000	5270.00	0.00	0.00	607.30	30800.00	641.53	0.00	641.94	7.75	5.05	9223.
316750.000	50.00	0.00	0.00	607.30	4800.00	624.63	0.00	624.97	6.64	3.27	2169.
316750.000	50.00	0.00	0.00	607.30	10700.00	630.91	0.00	631.00	6.59	4.12	4213.
316750.000	50.00	0.00	0.00	607.30	14600.00	633.61	0.00	633.82	6.80	4.52	5243.
316750.000	50.00	0.00	0.00	607.30	30800.00	641.67	0.00	641.98	7.70	5.93	9254.
316751.000	1.00	0.00	0.00	607.30	4800.00	624.81	0.00	624.99	11.68	3.58	1827.
316751.000	1.00	0.00	0.00	607.30	10700.00	630.86	0.00	631.01	10.25	4.27	3863.
316751.000	1.00	0.00	0.00	607.30	14600.00	633.61	0.00	633.82	10.00	4.60	5074.
316751.000	1.00	0.00	0.00	607.30	30800.00	641.72	0.00	641.99	9.62	5.54	9472.
316769.000	18.00	0.00	0.00	607.30	4800.00	624.84	0.00	625.01	21.61	3.28	1831.
316769.000	18.00	0.00	0.00	607.30	10700.00	630.82	0.00	631.02	10.23	4.26	3867.
316769.000	18.00	0.00	0.00	607.30	14600.00	633.62	0.00	633.84	9.97	4.60	5084.
316769.000	18.00	0.00	0.00	607.30	30800.00	641.74	0.00	642.01	9.60	5.53	9483.
316770.000	1.00	0.00	0.00	607.30	4800.00	624.88	0.00	625.02	6.54	3.26	2183.
316770.000	1.00	0.00	0.00	607.30	10700.00	630.89	0.00	631.03	6.55	4.11	4224.
316770.000	1.00	0.00	0.00	607.30	14600.00	633.63	0.00	633.84	6.79	4.56	5348.
316770.000	1.00	0.00	0.00	607.30	30800.00	641.71	0.00	642.03	7.68	5.92	9276.
316820.000	50.00	0.00	0.00	607.30	4800.00	624.91	0.00	625.05	6.46	3.24	2194.
316820.000	50.00	0.00	0.00	607.30	10700.00	630.88	0.00	631.06	6.49	4.10	4240.
316820.000	50.00	0.00	0.00	607.30	14600.00	633.67	0.00	633.89	6.72	4.59	5360.
316820.000	50.00	0.00	0.00	607.30	30800.00	641.75	0.00	642.06	7.60	5.91	9300.
317249.000	429.00	0.00	0.00	609.10	4800.00	625.16	0.00	625.30	5.32	3.07	1920.
317249.000	429.00	0.00	0.00	609.10	10700.00	631.12	0.00	631.38	6.83	4.37	3470.
317249.000	429.00	0.00	0.00	609.10	14600.00	633.91	0.00	634.23	7.61	5.01	4365.
317249.000	429.00	0.00	0.00	609.10	30800.00	641.90	0.00	642.22	9.75	6.92	7587.
317250.000	1.00	0.00	0.00	614.30	4800.00	625.60	0.00	625.41	13.27	5.51	1272.
317250.000	1.00	0.00	0.00	614.30	10700.00	631.94	0.00	631.50	11.27	6.82	2797.
317250.000	1.00	0.00	0.00	614.30	14600.00	633.71	0.00	634.36	11.19	7.53	3716.
317250.000	1.00	0.00	0.00	614.30	30800.00	641.75	0.00	642.68	11.60	9.67	7131.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EQ	10K+S	VCH	AREA
317251.000	1.00	0.00	0.00	610.90	4000.00	625.23	0.00	625.45	10.96	4.07	1093.
317251.000	1.00	0.00	0.00	610.90	10000.00	631.29	0.00	631.56	9.98	5.02	3413.
317251.000	1.00	0.00	0.00	610.90	14000.00	634.12	0.00	634.43	9.89	5.48	4459.
317251.000	1.00	0.00	0.00	610.90	30000.00	642.36	0.00	642.75	10.14	6.87	8067.
317252.000	1.00	0.00	0.00	610.90	4000.00	625.24	0.00	625.45	10.96	4.07	1654.
317252.000	1.00	0.00	0.00	610.90	10000.00	631.26	0.00	631.56	9.98	5.02	3413.
317252.000	1.00	0.00	0.00	610.90	14000.00	634.12	0.00	634.43	9.89	5.48	4459.
317252.000	1.00	0.00	0.00	610.90	30000.00	642.36	0.00	642.78	10.14	6.87	8067.
317255.000	3.00	0.00	0.00	610.90	4000.00	625.24	0.00	625.46	10.95	4.07	1654.
317255.000	3.00	0.00	0.00	610.90	10000.00	631.28	0.00	631.56	9.97	5.01	3414.
317255.000	3.00	0.00	0.00	610.90	14000.00	634.12	0.00	634.43	9.88	5.48	4450.
317255.000	3.00	0.00	0.00	610.90	30000.00	642.36	0.00	642.79	10.14	6.87	8068.
317260.000	5.00	0.00	0.00	610.90	4000.00	625.24	0.00	625.45	10.93	4.07	1656.
317260.000	5.00	0.00	0.00	610.90	10000.00	631.29	0.00	631.57	9.96	5.01	3416.
317260.000	5.00	0.00	0.00	610.90	14000.00	634.12	0.00	634.44	9.87	5.48	4462.
317260.000	5.00	0.00	0.00	610.90	30000.00	642.37	0.00	642.79	10.13	6.87	8071.
317270.000	10.00	0.00	0.00	610.90	4000.00	625.20	0.00	625.47	10.89	4.06	1658.
317270.000	10.00	0.00	0.00	610.90	10000.00	631.30	0.00	631.58	9.93	5.01	3420.
317270.000	10.00	0.00	0.00	610.90	14000.00	634.14	0.00	634.45	9.85	5.47	4467.
317270.000	10.00	0.00	0.00	610.90	30000.00	642.38	0.00	642.80	10.11	6.86	8076.
323715.000	6445.00	0.00	0.00	613.00	4000.00	630.46	0.00	630.58	5.94	3.28	2328.
323715.000	6445.00	0.00	0.00	613.00	10000.00	636.34	0.00	636.50	5.98	4.10	4632.
323715.000	6445.00	0.00	0.00	613.00	14000.00	639.17	0.00	639.29	5.95	4.49	5981.
323715.000	6445.00	0.00	0.00	613.00	30000.00	647.52	0.00	647.74	5.89	5.41	11024.
323815.000	100.00	0.00	0.00	613.00	4000.00	630.52	0.00	630.67	5.82	3.25	2339.
323815.000	100.00	0.00	0.00	613.00	10000.00	636.48	0.00	636.56	5.88	4.08	4664.
323815.000	100.00	0.00	0.00	613.00	14000.00	639.23	0.00	639.41	5.87	4.43	6017.
323815.000	100.00	0.00	0.00	613.00	30000.00	647.58	0.00	647.80	5.81	5.39	10799.
323816.000	1.00	0.00	0.00	613.00	4000.00	630.52	0.00	630.64	9.16	3.19	1983.
323816.000	1.00	0.00	0.00	613.00	10000.00	636.37	0.00	636.59	13.22	4.45	3142.
323816.000	1.00	0.00	0.00	613.00	14000.00	639.17	0.00	639.45	15.41	5.06	3741.
323816.000	1.00	0.00	0.00	613.00	30000.00	647.54	0.00	647.84	14.47	6.01	8712.
323844.000	28.00	0.00	0.00	613.00	4000.00	630.52	0.00	630.67	9.10	3.18	1985.
323844.000	28.00	0.00	0.00	613.00	10000.00	636.42	0.00	636.52	13.18	4.44	3140.
323844.000	28.00	0.00	0.00	613.00	14000.00	639.21	0.00	639.49	15.32	5.02	3749.
323844.000	28.00	0.00	0.00	613.00	30000.00	647.58	0.00	647.86	14.37	5.99	8743.
323845.000	1.00	0.00	0.00	613.00	4000.00	630.55	0.00	630.67	5.76	3.24	2351.
323845.000	1.00	0.00	0.00	613.00	10000.00	636.48	0.00	636.64	5.79	4.05	4694.
323845.000	1.00	0.00	0.00	613.00	14000.00	639.34	0.00	639.51	5.74	4.39	6070.
323845.000	1.00	0.00	0.00	613.00	30000.00	647.60	0.00	647.89	5.74	5.36	12137.
323945.000	100.00	0.00	0.00	613.00	4000.00	630.61	0.00	630.73	5.85	3.22	2373.
323945.000	100.00	0.00	0.00	613.00	10000.00	636.54	0.00	636.69	5.71	4.05	4721.
323945.000	100.00	0.00	0.00	613.00	14000.00	639.40	0.00	639.57	5.67	4.37	6101.
323945.000	100.00	0.00	0.00	613.00	30000.00	647.74	0.00	647.95	5.69	5.34	11178.



SACNO	KLCH	ELTRD	ELLC	ELMIN	O	CHSEL	CRINS	EG	10K+S	VCH	AREA
324500.000	555.00	0.00	0.00	613.70	1000.00	630.93	0.00	631.07	6.40	3.57	2229.
324500.000	555.00	0.00	0.00	613.70	1000.00	636.70	0.00	637.03	6.24	4.16	4552.
324500.000	555.00	0.00	0.00	613.70	1000.00	639.72	0.00	639.92	6.14	4.50	5904.
324500.000	555.00	0.00	0.00	613.70	1000.00	640.05	0.00	640.28	6.14	3.46	10919.
325000.000	500.00	0.00	0.00	614.30	1000.00	631.20	0.00	631.41	6.97	3.47	2150.
325000.000	500.00	0.00	0.00	614.30	1000.00	637.10	0.00	637.30	6.88	4.27	4420.
325000.000	500.00	0.00	0.00	614.30	1000.00	640.05	0.00	640.22	6.54	4.61	5756.
325000.000	500.00	0.00	0.00	614.30	1000.00	640.30	0.00	640.59	6.33	5.54	10711.
326000.000	1000.00	0.00	0.00	615.50	1000.00	632.00	0.00	632.15	8.12	3.67	1997.
326000.000	1000.00	0.00	0.00	615.50	1000.00	637.80	0.00	638.07	7.53	4.40	4213.
326000.000	1000.00	0.00	0.00	615.50	1000.00	640.71	0.00	640.92	7.20	4.60	5003.
326000.000	1000.00	0.00	0.00	615.50	1000.00	649.01	0.00	649.20	6.91	5.74	10345.
32895.000	6895.00	0.00	0.00	624.10	1000.00	630.10	0.00	630.35	9.90	3.09	1000.
32895.000	6895.00	0.00	0.00	624.10	1000.00	643.71	0.00	643.94	9.65	4.60	3560.
32895.000	6895.00	0.00	0.00	624.10	1000.00	646.44	0.00	646.71	9.67	5.15	4907.
32895.000	6895.00	0.00	0.00	624.10	1000.00	649.03	0.00	649.02	10.00	6.00	7935.
32945.000	50.00	0.00	0.00	624.10	1000.00	638.23	0.00	638.40	9.81	3.67	1874.
32945.000	50.00	0.00	0.00	624.10	1000.00	643.70	0.00	643.99	9.24	4.00	3984.
32945.000	50.00	0.00	0.00	624.10	1000.00	646.49	0.00	646.76	9.57	5.14	4924.
32945.000	50.00	0.00	0.00	624.10	1000.00	654.68	0.00	655.07	10.00	6.50	7961.
32946.000	1.00	0.00	0.00	622.00	1000.00	638.24	0.00	638.40	10.04	3.60	1570.
32946.000	1.00	0.00	0.00	622.00	1000.00	643.72	0.00	644.01	24.44	4.92	2505.
32946.000	1.00	0.00	0.00	622.00	1000.00	646.43	0.00	646.60	26.20	5.90	8201.
32946.000	1.00	0.00	0.00	622.00	1000.00	654.60	0.00	655.13	27.11	7.22	6050.
332974.000	28.00	0.00	0.00	622.00	1000.00	638.20	0.00	638.45	17.97	3.00	1507.
332974.000	28.00	0.00	0.00	622.00	1000.00	643.70	0.00	644.00	24.10	4.00	2399.
332974.000	28.00	0.00	0.00	622.00	1000.00	646.51	0.00	646.87	29.81	5.00	3137.
332974.000	28.00	0.00	0.00	622.00	1000.00	654.60	0.00	655.22	26.70	7.10	6103.
332975.000	1.00	0.00	0.00	624.10	1000.00	630.29	0.00	630.45	9.09	3.64	1893.
332975.000	1.00	0.00	0.00	624.10	1000.00	643.87	0.00	644.09	9.26	4.01	3024.
332975.000	1.00	0.00	0.00	624.10	1000.00	646.63	0.00	646.89	9.27	5.00	4570.
332975.000	1.00	0.00	0.00	624.10	1000.00	654.85	0.00	655.24	9.73	6.52	8050.
333075.000	100.00	0.00	0.00	624.10	1000.00	638.39	0.00	638.55	9.20	3.60	1020.
333075.000	100.00	0.00	0.00	624.10	1000.00	643.65	0.00	643.80	3.50	4.43	3600.
333075.000	100.00	0.00	0.00	624.10	1000.00	646.74	0.00	646.90	0.00	4.93	2017.
333075.000	100.00	0.00	0.00	624.10	1000.00	654.90	0.00	655.33	8.92	0.20	8110.
340000.000	14925.00	0.00	0.00	630.70	1000.00	647.63	0.00	647.71	4.35	2.79	3310.
340000.000	14925.00	0.00	0.00	630.70	1000.00	653.09	0.00	653.18	4.40	3.45	5776.
340000.000	14925.00	0.00	0.00	630.70	1000.00	655.85	0.00	655.95	4.38	3.71	7604.
340000.000	14925.00	0.00	0.00	630.70	1000.00	663.00	0.00	663.99	4.04	4.32	14109.
350405.000	10405.00	0.00	0.00	637.30	1000.00	652.39	0.00	652.45	4.77	2.70	3900.
350405.000	10405.00	0.00	0.00	637.30	1000.00	657.39	0.00	657.44	3.74	3.02	7000.
350405.000	10405.00	0.00	0.00	637.30	1000.00	659.96	0.00	660.62	3.50	3.10	9903.
350405.000	10405.00	0.00	0.00	637.30	1000.00	667.40	0.00	667.53	2.60	3.53	10052.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
358605.000	200.00	0.00	0.00	637.30	4000.00	652.49	0.00	652.54	4.58	2.75	3808.
358605.000	200.00	0.00	0.00	637.30	10000.00	657.47	0.00	657.50	3.65	2.99	7607.
358605.000	200.00	0.00	0.00	637.30	13000.00	660.64	0.00	660.69	3.43	3.15	10043.
358605.000	200.00	0.00	0.00	637.30	29000.00	667.93	0.00	667.99	2.85	3.51	19141.
358606.000	1.00	0.00	0.00	637.30	4500.00	652.40	0.00	652.50	28.50	4.31	1425.
358606.000	1.00	0.00	0.00	637.30	10000.00	657.31	0.00	657.63	38.01	5.40	2302.
358606.000	1.00	0.00	0.00	637.30	13000.00	659.82	0.00	666.23	42.10	6.03	2797.
358606.000	1.00	0.00	0.00	637.30	29000.00	667.44	0.00	667.65	24.16	5.70	9320.
358634.000	28.00	0.00	0.00	637.30	4000.00	652.49	0.00	652.68	27.80	4.20	1439.
358634.000	28.00	0.00	0.00	637.30	10000.00	657.42	0.00	657.74	37.50	5.33	2324.
358634.000	28.00	0.00	0.00	637.30	13000.00	659.95	0.00	660.35	40.78	5.98	2822.
358634.000	28.00	0.00	0.00	637.30	29000.00	667.51	0.00	667.72	23.62	5.65	9419.
358635.000	1.00	0.00	0.00	637.30	4000.00	652.66	0.00	652.71	4.24	2.65	3988.
358635.000	1.00	0.00	0.00	637.30	10000.00	657.74	0.00	657.79	3.38	2.91	7886.
358635.000	1.00	0.00	0.00	637.30	13000.00	660.37	0.00	660.42	3.15	3.05	10386.
358635.000	1.00	0.00	0.00	637.30	29000.00	667.70	0.00	667.75	2.76	3.47	19357.
358635.000	200.00	0.00	0.00	637.30	4200.00	652.75	0.00	652.74	3.41	2.39	4047.
358635.000	200.00	0.00	0.00	637.30	9500.00	657.81	0.00	657.80	2.99	2.74	7946.
358635.000	200.00	0.00	0.00	637.30	13000.00	660.44	0.00	660.48	2.75	2.86	10449.
358635.000	200.00	0.00	0.00	637.30	28000.00	667.75	0.00	667.80	2.55	3.34	19437.
366550.000	7715.00	0.00	0.00	643.60	2800.00	655.91	0.00	655.96	5.15	2.37	2904.
366550.000	7715.00	0.00	0.00	643.60	8500.00	660.62	0.00	660.67	4.67	2.69	5791.
366550.000	7715.00	0.00	0.00	643.60	11000.00	663.03	0.00	663.09	4.35	3.18	7750.
366550.000	7715.00	0.00	0.00	643.60	25000.00	670.14	0.00	670.22	3.99	3.70	13811.
374828.000	8278.00	0.00	0.00	649.80	3000.00	660.98	0.00	660.93	7.08	2.58	3737.
374828.000	8278.00	0.00	0.00	649.80	8500.00	664.63	0.00	664.66	4.96	2.71	7206.
374828.000	8278.00	0.00	0.00	649.80	11000.00	666.70	0.00	666.73	4.43	2.82	9469.
374828.000	8278.00	0.00	0.00	649.80	25000.00	673.28	0.00	673.32	3.50	3.20	17568.
374978.000	150.00	0.00	0.00	649.80	3000.00	661.00	0.00	661.03	6.62	2.51	3825.
374978.000	150.00	0.00	0.00	649.80	8500.00	664.71	0.00	664.74	4.81	2.68	7373.
374978.000	150.00	0.00	0.00	649.80	11000.00	666.76	0.00	666.80	4.72	2.70	9546.
374978.000	150.00	0.00	0.00	649.80	25000.00	673.33	0.00	673.37	3.45	3.18	17648.
374979.000	1.00	0.00	0.00	649.80	3000.00	660.73	0.00	661.21	65.40	7.04	881.
374979.000	1.00	0.00	0.00	649.80	8500.00	664.26	0.00	665.04	83.28	9.33	1461.
374979.000	1.00	0.00	0.00	649.80	11000.00	666.25	0.00	667.15	45.36	10.43	1908.
374979.000	1.00	0.00	0.00	649.80	25000.00	673.27	0.00	673.41	15.94	5.89	11795.
375021.000	42.00	0.00	0.00	649.80	3000.00	661.05	0.00	661.40	57.14	6.65	931.
375021.000	42.00	0.00	0.00	649.80	8500.00	664.68	0.00	665.38	72.37	8.89	1534.
375021.000	42.00	0.00	0.00	649.80	11000.00	666.73	0.00	667.51	71.11	9.74	2246.
375021.000	42.00	0.00	0.00	649.80	25000.00	673.34	0.00	673.48	15.81	5.82	11923.
375022.000	1.00	0.00	0.00	649.80	3000.00	661.54	0.00	661.56	4.67	2.19	4317.
375022.000	1.00	0.00	0.00	649.80	8500.00	665.49	0.00	665.51	3.53	2.39	6184.
375022.000	1.00	0.00	0.00	649.80	11000.00	667.63	0.00	667.66	3.26	2.52	10514.
375022.000	1.00	0.00	0.00	649.80	25000.00	673.46	0.00	673.50	3.36	3.15	17820.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRINS	EG	10R+S	VCH	AREA
358605.000	200.00	0.00	0.00	637.30	4000.00	652.49	0.00	652.54	4.58	2.73	3669.
358605.000	200.00	0.00	0.00	637.30	10000.00	657.47	0.00	657.52	3.65	2.09	2657.
358605.000	200.00	0.00	0.00	637.30	13000.00	660.64	0.00	660.69	3.43	3.15	10043.
358605.000	200.00	0.00	0.00	637.30	29000.00	667.53	0.00	667.59	2.89	3.51	19141.
358606.000	1.00	4.00	6.00	637.30	4000.00	652.40	0.00	652.60	20.50	4.31	1425.
358606.000	1.00	0.00	0.00	637.30	10000.00	657.31	0.00	657.63	36.51	5.40	2302.
358606.000	1.00	0.00	0.00	637.30	13000.00	659.82	0.00	660.23	42.16	6.83	2797.
358606.000	1.00	0.00	0.00	637.30	29000.00	667.44	0.00	667.65	24.16	5.70	9520.
358634.000	28.00	0.00	0.00	637.30	4000.00	652.49	0.00	652.66	27.80	4.26	1439.
358634.000	28.00	0.00	0.00	637.30	10000.00	657.42	0.00	657.74	37.50	5.35	2324.
358634.000	28.00	0.00	0.00	637.30	13000.00	659.93	0.00	660.35	40.90	5.90	2922.
358634.000	28.00	0.00	0.00	637.30	29000.00	667.51	0.00	667.72	23.62	5.65	9419.
358635.000	1.00	0.00	0.00	637.30	4000.00	652.66	0.00	652.71	0.24	2.65	3908.
358635.000	1.00	0.00	0.00	637.30	10000.00	657.74	0.00	657.79	3.30	2.91	7886.
358635.000	1.00	0.00	0.00	637.30	13000.00	660.37	0.00	660.42	3.15	3.65	10306.
358635.000	1.00	0.00	0.00	637.30	29000.00	667.70	0.00	667.75	2.76	3.47	19357.
358835.000	200.00	0.00	0.00	637.30	4200.00	652.75	0.00	652.74	3.41	2.30	4067.
358835.000	200.00	0.00	0.00	637.30	9500.00	657.81	0.00	657.80	2.97	2.74	7946.
358835.000	200.00	0.00	0.00	637.30	13000.00	660.44	0.00	660.48	2.78	2.80	10449.
358835.000	200.00	0.00	0.00	637.30	25000.00	667.75	0.00	667.80	2.52	3.34	19437.
366550.000	7715.00	0.00	0.00	643.50	3500.00	655.91	0.00	655.98	8.15	2.27	2984.
366550.000	7715.00	0.00	0.00	643.50	8500.00	660.62	0.00	660.67	4.67	2.89	7791.
366550.000	7715.00	0.00	0.00	643.50	11000.00	663.63	0.00	663.69	4.16	3.08	7750.
366550.000	7715.00	0.00	0.00	643.50	25000.00	670.74	0.00	670.72	3.99	3.70	73511.
374828.000	8278.00	0.00	0.00	649.50	3000.00	660.90	0.00	660.93	7.08	1.50	3737.
374828.000	8278.00	0.00	0.00	649.50	8500.00	664.63	0.00	664.66	4.96	2.21	7294.
374828.000	8278.00	0.00	0.00	649.50	11000.00	666.73	0.00	666.73	4.43	2.82	9469.
374828.000	8278.00	0.00	0.00	649.50	25000.00	673.78	0.00	673.52	3.90	3.20	17500.
374978.000	150.00	0.00	0.00	649.50	3000.00	661.00	0.00	661.03	6.62	2.51	3625.
374978.000	150.00	0.00	0.00	649.50	8500.00	664.71	0.00	664.74	4.81	2.88	7373.
374978.000	150.00	0.00	0.00	649.50	11000.00	666.76	0.00	666.80	4.30	2.80	9545.
374978.000	150.00	0.00	0.00	649.50	25000.00	673.33	0.00	673.37	3.45	3.18	17648.
374979.000	1.00	0.00	0.00	649.50	3000.00	660.73	0.00	661.21	60.40	7.04	881.
374979.000	1.00	0.00	0.00	649.50	8500.00	664.26	0.00	665.04	83.28	9.33	1461.
374979.000	1.00	0.00	0.00	649.50	11000.00	666.23	0.00	667.10	85.36	10.43	1908.
374979.000	1.00	0.00	0.00	649.50	25000.00	673.27	0.00	673.01	15.94	5.89	11795.
375021.000	42.00	0.00	0.00	649.50	3000.00	661.00	0.00	661.48	97.14	8.65	931.
375021.000	42.00	0.00	0.00	649.50	8500.00	664.66	0.00	665.38	72.37	6.89	2334.
375021.000	42.00	0.00	0.00	649.50	11000.00	666.73	0.00	667.51	71.11	9.74	2246.
375021.000	42.00	0.00	0.00	649.50	25000.00	673.34	0.00	673.48	15.51	5.82	11923.
375022.000	1.00	0.00	0.00	649.50	3000.00	661.01	0.00	661.56	4.67	2.19	4317.
375022.000	1.00	0.00	0.00	649.50	8500.00	665.49	0.00	665.51	3.93	2.39	8294.
375022.000	1.00	0.00	0.00	649.50	11000.00	667.63	0.00	667.50	3.26	2.52	10514.
375022.000	1.00	0.00	0.00	649.50	25000.00	673.46	0.00	673.50	3.36	3.15	17820.

SECNO	XLCH	FLTRD	ELLC	ELMIN	Q	CHSEL	CRINS	EG	10K+S	YCH	AREA
375200.000	178.00	0.00	0.00	649.80	3100.00	661.62	0.00	661.63	2.97	1.76	4386.
375201.000	178.00	0.00	0.00	649.80	6500.00	665.55	0.00	665.56	2.02	1.81	5247.
375202.000	178.00	0.00	0.00	649.80	9000.00	667.69	0.00	667.71	1.86	1.91	10579.
375203.000	178.00	0.00	0.00	649.80	18000.00	673.53	0.00	673.55	1.69	2.21	17915.
376043.000	845.00	0.00	0.00	653.20	3100.00	661.71	0.00	661.71	.43	.56	11984.
376043.000	845.00	0.00	0.00	653.20	6500.00	665.62	0.00	665.62	.29	.61	22590.
376043.000	845.00	0.00	0.00	653.20	9000.00	667.75	0.00	667.76	.26	.64	29836.
376043.000	845.00	0.00	0.00	653.20	18000.00	673.59	0.00	673.59	.22	.79	56860.
376145.000	100.00	0.00	0.00	653.20	3100.00	661.71	0.00	661.71	.43	.56	11611.
376145.000	100.00	0.00	0.00	653.20	6500.00	665.62	0.00	665.62	.29	.61	22927.
376145.000	100.00	0.00	0.00	653.20	9000.00	667.76	0.00	667.76	.29	.64	29871.
376145.000	100.00	0.00	0.00	653.20	18000.00	673.59	0.00	673.59	.21	.75	50917.
376146.000	1.00	0.00	0.00	653.60	3100.00	661.68	0.00	661.70	21.06	2.59	1899.
376146.000	1.00	0.00	0.00	653.60	6500.00	665.59	0.00	665.64	12.10	2.62	3763.
376146.000	1.00	0.00	0.00	653.60	9000.00	667.72	0.00	667.75	10.08	2.73	9398.
376146.000	1.00	0.00	0.00	653.60	18000.00	673.56	0.00	673.61	8.45	2.84	17447.
376174.000	28.00	0.00	0.00	653.60	3100.00	661.74	0.00	661.79	20.23	2.54	1926.
376174.000	28.00	0.00	0.00	653.60	6500.00	665.62	0.00	665.68	11.98	2.61	3776.
376174.000	28.00	0.00	0.00	653.60	9000.00	667.75	0.00	667.81	10.30	2.72	5416.
376174.000	28.00	0.00	0.00	653.60	18000.00	673.57	0.00	673.63	6.47	2.84	10459.
376175.000	1.00	0.00	0.00	653.20	3100.00	661.80	0.00	661.80	.41	.55	11820.
376175.000	1.00	0.00	0.00	653.20	6500.00	665.69	0.00	665.69	.28	.60	23106.
376175.000	1.00	0.00	0.00	653.20	9000.00	667.82	0.00	667.82	.29	.64	30044.
376175.000	1.00	0.00	0.00	653.20	18000.00	673.64	0.00	673.64	.21	.75	51066.
376250.000	75.00	0.00	0.00	653.20	3100.00	661.80	0.00	661.81	.41	.55	11827.
376250.000	75.00	0.00	0.00	653.20	6500.00	665.69	0.00	665.69	.28	.60	23114.
376250.000	75.00	0.00	0.00	653.20	9000.00	667.82	0.00	667.82	.25	.64	30050.
376250.000	75.00	0.00	0.00	653.20	18000.00	673.64	0.00	673.64	.21	.75	51093.
376325.000	75.00	0.00	0.00	653.20	3100.00	661.78	0.00	661.83	6.53	1.84	1662.
376325.000	75.00	0.00	0.00	653.20	6500.00	665.68	0.00	665.70	1.71	2.12	8375.
376325.000	75.00	0.00	0.00	653.20	9000.00	667.81	0.00	667.83	1.36	1.15	11381.
376325.000	75.00	0.00	0.00	653.20	18000.00	673.63	0.00	673.65	.95	1.32	20421.
376326.000	1.00	0.00	0.00	653.20	3100.00	661.76	0.00	661.65	18.78	3.21	1520.
376326.000	1.00	0.00	0.00	653.20	6500.00	665.63	0.00	665.73	16.26	3.60	2792.
376326.000	1.00	0.00	0.00	653.20	9000.00	667.77	0.00	667.86	14.30	3.62	4198.
376326.000	1.00	0.00	0.00	653.20	18000.00	673.62	0.00	673.66	6.69	2.84	11856.
376354.000	28.00	0.00	0.00	653.20	3100.00	661.82	0.00	661.90	16.40	3.19	1529.
376354.000	28.00	0.00	0.00	653.20	6500.00	665.68	0.00	665.78	15.99	3.57	2811.
376354.000	28.00	0.00	0.00	653.20	9000.00	667.81	0.00	667.96	14.13	3.63	4225.
376354.000	28.00	0.00	0.00	653.20	18000.00	673.63	0.00	673.68	6.69	2.84	11860.
376355.000	1.00	0.00	0.00	653.20	3100.00	661.86	0.00	661.91	6.29	1.62	1704.
376355.000	1.00	0.00	0.00	653.20	6500.00	665.79	0.00	665.80	1.65	1.10	3504.
376355.000	1.00	0.00	0.00	653.20	9000.00	667.90	0.00	667.92	1.32	1.14	11501.
376355.000	1.00	0.00	0.00	653.20	18000.00	673.67	0.00	673.69	.94	1.32	20471.

SECNO	XLCH	ELTRD	ELLC	ELMIN	B	CHSEL	CRIMS	EG	10K+S	YCM	AREA
376455.000	100.00	0.00	0.00	653.20	3000.00	661.94	0.00	661.65	2.45	1.14	3476.
376455.000	100.00	0.00	0.00	653.20	6300.00	665.60	0.00	665.61	1.54	1.05	5527.
376455.600	300.00	0.00	0.00	653.20	8700.00	667.92	0.00	667.93	1.23	1.10	11222.
376455.800	100.00	0.00	0.00	653.20	17500.00	673.60	0.00	673.70	.89	1.20	29400.
385000.000	8545.00	0.00	0.00	659.00	2000.00	666.13	0.00	666.17	16.20	2.63	2272.
385000.000	8545.00	0.00	0.00	659.00	6000.00	668.95	0.00	668.88	11.73	2.90	4189.
385000.000	8545.00	0.00	0.00	659.00	8100.00	670.69	0.00	670.13	9.45	3.54	5432.
385000.000	8545.00	0.00	0.00	659.00	14000.00	675.17	0.00	675.23	5.89	3.13	9635.
390680.000	5680.00	0.00	0.00	662.70	2000.00	671.11	0.00	671.13	5.43	3.77	3283.
390680.000	5680.00	0.00	0.00	662.70	6000.00	673.37	0.00	673.39	6.36	2.34	5992.
390680.000	5680.00	0.00	0.00	662.70	8100.00	674.96	0.00	674.68	6.05	2.61	6308.
390680.000	5680.00	0.00	0.00	662.70	15000.00	678.63	0.00	678.69	6.41	3.20	9434.
401030.000	10950.00	0.00	0.00	673.20	2000.00	681.59	0.00	681.64	21.20	3.14	2170.
401030.000	10950.00	0.00	0.00	673.20	6000.00	683.65	0.00	683.70	15.29	3.16	4269.
401030.000	10950.00	0.00	0.00	673.20	8100.00	684.70	0.00	684.75	13.83	3.26	5417.
401030.000	10950.00	0.00	0.00	673.20	16000.00	687.79	0.00	687.85	11.64	3.64	9035.
408260.000	6936.00	0.00	0.00	679.70	2000.00	688.42	0.00	688.45	5.61	2.85	3030.
408260.000	6936.00	0.00	0.00	679.70	6000.00	690.55	0.00	690.59	6.97	2.70	4889.
408260.000	6936.00	0.00	0.00	679.70	8100.00	691.1	0.00	691.66	7.52	3.01	3856.
408260.000	6936.00	0.00	0.00	679.70	16000.00	690.72	0.00	694.79	8.60	3.93	6872.
408660.000	100.00	0.00	0.00	679.70	2000.00	688.48	0.00	688.50	3.40	2.02	3076.
408660.000	100.00	0.00	0.00	679.70	6000.00	690.62	0.00	690.66	6.73	2.66	4946.
408660.000	100.00	0.00	0.00	679.70	8100.00	691.69	0.00	691.73	7.28	2.97	5925.
408660.000	100.00	0.00	0.00	679.70	16000.00	694.81	0.00	694.88	8.43	3.79	6956.
408667.000	1.00	0.00	0.00	679.70	2000.00	688.32	0.00	688.61	30.46	.97	741.
408667.000	1.00	0.00	0.00	679.70	6000.00	690.24	0.00	690.61	95.30	7.94	110.
408667.000	1.00	0.00	0.00	679.70	8100.00	691.30	0.00	691.99	96.53	6.58	1679.
408667.000	1.00	0.00	0.00	679.70	16000.00	694.97	0.00	695.04	63.41	6.32	4064.
408693.000	26.00	0.00	0.00	679.70	2000.00	688.47	0.00	688.76	46.97	4.85	759.
408693.000	26.00	0.00	0.00	679.70	6000.00	690.60	0.00	691.16	76.78	7.40	1263.
408693.000	26.00	0.00	0.00	679.70	8100.00	691.69	0.00	692.24	77.32	7.87	1917.
408693.000	26.00	0.00	0.00	679.70	16000.00	694.78	0.00	699.21	57.33	7.99	4243.
408694.000	1.00	0.00	0.00	679.70	2000.00	688.77	0.00	688.75	4.41	1.07	3323.
408694.000	1.00	0.00	0.00	679.70	6000.00	691.24	0.00	691.27	4.93	2.34	5519.
408694.000	1.00	0.00	0.00	679.70	8100.00	692.31	0.00	692.35	4.94	2.89	6589.
408694.000	1.00	0.00	0.00	679.70	16000.00	695.21	0.00	695.28	7.39	3.61	9369.
408810.000	122.00	0.00	0.00	679.70	2000.00	688.62	0.00	688.84	4.25	1.65	3369.
408810.000	122.00	0.00	0.00	679.70	6000.00	691.30	0.00	691.33	4.79	2.35	5564.
408810.000	122.00	0.00	0.00	679.70	8100.00	692.36	0.00	692.42	5.38	2.66	6572.
408810.000	122.00	0.00	0.00	679.70	16000.00	695.38	0.00	695.37	7.17	3.59	9462.
409000.000	104.00	0.00	0.00	679.90	2000.00	688.90	0.00	688.92	4.62	1.91	3265.
409000.000	104.00	0.00	0.00	679.90	6000.00	691.39	0.00	691.42	5.06	2.44	5463.
409000.000	104.00	0.00	0.00	679.90	8100.00	692.48	0.00	692.52	5.01	2.70	6478.
409000.000	104.00	0.00	0.00	679.90	16000.00	695.44	0.00	695.50	7.33	3.68	9394.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRINS	EG	10K+S	VCH	AREA
410000.000	1000.30	0.00	0.00	681.10	2800.00	689.47	0.00	689.50	7.28	2.26	2742.
410000.000	1000.00	0.00	0.00	681.10	2800.00	691.97	0.00	692.01	6.90	2.69	4902.
410000.000	1000.00	0.00	0.00	681.10	2800.00	693.11	0.00	693.15	7.22	2.96	5543.
410000.000	1000.00	0.00	0.00	681.10	16000.00	696.22	0.00	696.29	8.47	3.79	8962.
411000.000	1000.00	0.00	0.00	682.30	2800.00	690.36	0.00	690.34	9.70	2.52	2467.
411000.000	1000.00	0.00	0.00	682.30	2800.00	692.74	0.00	692.78	8.72	2.93	4515.
411000.400	1000.00	0.00	0.00	682.30	2800.00	693.90	0.00	693.95	8.74	3.18	5564.
411000.000	1000.00	0.00	0.00	682.30	16000.00	697.10	0.00	697.18	9.38	3.65	8642.
415300.000	4300.00	0.00	0.00	687.30	2800.00	692.95	0.00	692.96	4.15	1.30	4109.
415300.000	43.00	0.00	0.00	687.30	6000.00	695.31	0.00	695.32	4.25	1.71	6641.
415300.000	4300.00	0.00	0.00	687.30	8100.00	696.50	0.00	696.52	4.33	1.91	8097.
415300.000	4300.00	0.00	0.00	687.30	10000.00	699.89	0.00	699.92	4.59	2.47	12479.
420320.000	5020.00	0.00	0.00	691.20	2800.00	697.71	0.00	697.69	97.28	4.95	1360.
420320.000	5020.00	0.00	0.00	691.20	5200.00	699.48	0.00	699.38	29.74	4.35	3043.
420320.000	5020.00	0.00	0.00	691.20	7000.00	700.48	0.00	700.57	23.36	4.22	4084.
420320.000	5020.00	0.00	0.00	691.20	13400.00	703.44	0.00	703.51	14.12	4.80	7707.
425357.000	5029.00	0.00	0.00	695.10	2800.00	703.77	0.00	703.79	4.80	1.82	3430.
425357.000	5029.00	0.00	0.00	695.10	5200.00	705.42	0.00	705.47	6.19	2.36	5204.
425357.000	5029.00	0.00	0.00	695.10	7000.00	706.29	0.00	706.31	6.74	2.62	6341.
425357.000	5029.00	0.00	0.00	695.10	13400.00	708.61	0.00	708.65	7.74	3.24	9486.
425507.000	150.00	0.00	0.00	695.10	2800.00	703.84	0.00	703.86	4.58	1.78	3508.
425507.000	150.00	0.00	0.00	695.10	5200.00	705.54	0.00	705.56	5.83	2.31	5410.
425507.000	150.00	0.00	0.00	695.10	7000.00	706.39	0.00	706.41	0.37	2.33	6480.
425507.000	150.00	0.00	0.00	695.10	13400.00	708.72	0.00	708.77	7.39	3.18	9641.
425508.000	1.00	0.00	0.00	695.10	2800.00	703.72	0.00	704.56	153.71	6.92	415.
425508.000	1.00	0.00	0.00	695.10	5200.00	705.43	705.41	706.14	103.75	8.68	1292.
425508.000	1.00	0.00	0.00	695.10	7000.00	706.31	0.00	706.72	118.82	7.47	2217.
425508.000	1.00	0.00	0.00	695.10	13400.00	708.70	0.00	708.88	54.04	5.87	5068.
425532.000	24.00	0.00	0.00	695.10	2800.00	704.23	0.00	704.75	115.12	6.33	486.
425532.000	24.00	0.00	0.00	695.10	5200.00	706.50	0.00	706.60	93.70	5.09	2420.
425532.000	24.00	0.00	0.00	695.10	7000.00	706.80	0.00	707.04	71.50	6.09	2755.
425532.000	24.00	0.00	0.00	695.10	13400.00	709.85	0.00	709.81	48.63	5.61	5266.
425533.000	1.00	0.00	0.00	695.10	2800.00	705.05	0.00	705.06	1.84	1.25	4840.
425533.000	1.00	0.00	0.00	695.10	5200.00	706.77	0.00	706.78	2.84	1.70	6965.
425533.000	1.00	0.00	0.00	695.10	7000.00	707.15	0.00	707.17	4.82	2.19	7407.
425533.000	1.00	0.00	0.00	695.10	13400.00	709.69	0.00	709.69	6.44	3.02	10100.
425603.000	70.00	0.00	0.00	695.10	2800.00	705.07	0.00	705.07	1.03	1.29	4503.
425603.000	70.00	0.00	0.00	695.10	5200.00	706.79	0.00	706.80	2.81	1.75	6991.
425603.000	70.00	0.00	0.00	695.10	7000.00	707.16	0.00	707.20	4.10	2.18	7500.
425603.000	70.00	0.00	0.00	695.10	13400.00	709.89	0.00	709.13	6.02	3.00	10173.
429000.000	3397.00	0.00	0.00	700.00	2800.00	706.77	0.00	706.82	49.99	4.19	1405.
429000.000	3397.00	0.00	0.00	700.00	5200.00	708.65	0.00	708.90	22.40	3.50	3320.
429000.000	3397.00	0.00	0.00	700.00	7000.00	709.81	0.00	709.87	19.83	3.65	4232.
429000.000	3397.00	0.00	0.00	700.00	13400.00	712.40	0.00	712.47	17.14	4.10	6849.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRWS	EG	10X+S	VCH	AREA
433200.000	4200.00	0.00	0.00	704.30	2500.00	712.85	0.00	712.87	6.64	1.88	3056.
433200.000	4200.00	0.00	0.00	704.30	5200.00	714.44	0.00	714.47	8.74	2.49	4562.
433200.000	4200.00	0.00	0.00	704.30	7600.00	715.34	0.00	715.37	9.26	2.75	5451.
433200.000	4200.00	0.00	0.00	704.30	13000.00	717.88	0.00	717.93	10.19	3.40	8149.
433563.000	363.00	0.00	0.00	705.20	2200.00	713.17	0.00	713.29	20.88	3.70	1275.
433563.000	363.00	0.00	0.00	705.20	4600.00	714.82	0.00	715.01	25.36	4.70	2245.
433563.000	363.00	0.00	0.00	705.20	6100.00	715.76	0.00	715.93	24.82	4.97	2866.
433563.000	363.00	0.00	0.00	705.20	11500.00	718.32	0.00	718.49	21.99	5.48	4950.
433927.000	364.00	0.00	0.00	706.20	2200.00	713.98	0.00	714.12	24.59	3.94	1181.
433927.000	364.00	0.00	0.00	706.20	4600.00	715.79	0.00	715.96	26.46	4.78	2206.
433927.000	364.00	0.00	0.00	706.20	6100.00	716.68	0.00	716.85	26.06	5.07	2800.
433927.000	364.00	0.00	0.00	706.20	11500.00	719.15	0.00	719.33	23.95	5.66	4790.
434027.000	100.00	0.00	0.00	706.20	2200.00	714.23	0.00	714.35	19.85	3.63	1306.
434027.000	100.00	0.00	0.00	706.20	4600.00	716.06	0.00	716.20	22.10	4.46	2379.
434027.000	100.00	0.00	0.00	706.20	6100.00	716.95	0.00	717.10	22.24	4.77	2998.
434027.000	100.00	0.00	0.00	706.20	11500.00	719.40	0.00	719.58	21.30	5.41	5009.
434028.000	1.00	0.00	0.00	706.20	2200.00	714.15	0.00	714.69	83.71	6.21	410.
434028.000	1.00	0.00	0.00	706.20	4600.00	715.84	0.00	717.21	171.31	10.00	934.
434028.000	1.00	0.00	0.00	706.20	6100.00	716.59	0.00	718.50	219.97	12.07	592.
434028.000	1.00	0.00	0.00	706.20	11500.00	719.92	719.92	721.49	155.46	12.45	1985.
434052.000	24.00	0.00	0.00	706.20	2200.00	714.42	0.00	714.91	73.53	5.93	430.
434052.000	24.00	0.00	0.00	706.20	4600.00	716.58	0.00	717.71	127.71	9.12	591.
434052.000	24.00	0.00	0.00	706.20	6100.00	717.87	717.93	719.32	130.86	10.38	730.
434052.000	24.00	0.00	0.00	706.20	11500.00	721.97	0.00	722.37	43.96	7.32	3808.
434053.000	1.00	0.00	0.00	706.20	2200.00	715.11	0.00	715.17	9.84	2.70	1790.
434053.000	1.00	0.00	0.00	706.20	4600.00	718.33	0.00	718.37	5.84	2.67	4020.
434053.000	1.00	0.00	0.00	706.20	6100.00	720.13	0.00	720.17	4.23	2.51	5698.
434053.000	1.00	0.00	0.00	706.20	11500.00	722.92	0.00	722.98	5.75	3.27	8117.
434133.000	80.00	0.00	0.00	706.20	2200.00	715.19	0.00	715.25	9.27	2.70	1838.
434133.000	80.00	0.00	0.00	706.20	4600.00	718.38	0.00	718.42	5.70	2.64	4187.
434133.000	80.00	0.00	0.00	706.20	6100.00	720.17	0.00	720.20	4.17	2.49	5731.
434133.000	80.00	0.00	0.00	706.20	11500.00	722.57	0.00	722.62	5.66	3.25	8167.
435500.000	1367.00	0.00	0.00	708.00	2200.00	715.96	0.00	715.97	3.31	1.25	3587.
435500.000	1367.00	0.00	0.00	708.00	4600.00	718.90	0.00	718.91	2.39	1.36	6506.
435500.000	1367.00	0.00	0.00	708.00	6100.00	720.57	0.00	720.58	1.97	1.30	8430.
435500.000	1367.00	0.00	0.00	708.00	11500.00	723.14	0.00	723.15	2.76	1.87	11505.
436850.000	1350.00	0.00	0.00	708.90	2200.00	716.40	0.00	716.49	4.49	1.40	3249.
436850.000	1350.00	0.00	0.00	708.90	4600.00	719.26	0.00	719.26	3.14	1.50	5974.
436850.000	1350.00	0.00	0.00	708.90	6100.00	720.87	0.00	720.89	2.55	1.51	7748.
436850.000	1350.00	0.00	0.00	708.90	11500.00	723.74	0.00	723.56	3.26	1.90	10897.
443926.000	7076.00	0.00	0.00	716.90	2100.00	724.14	722.54	724.97	71.51	5.77	551.
443926.000	7076.00	0.00	0.00	716.90	4400.00	725.19	724.40	726.17	140.96	9.12	790.
443926.000	7076.00	0.00	0.00	716.90	5800.00	725.62	725.13	726.95	161.57	10.92	902.
443926.000	7076.00	0.00	0.00	716.90	10700.00	728.97	0.00	729.38	92.93	7.61	3420.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSL	CRMS	ES	10K+S	VCH	AREA
444086.000	200.00	0.00	0.00	716.90	2190.00	725.20	0.00	725.54	50.31	4.03	447.
444089.000	200.00	0.00	0.00	716.90	1400.00	727.10	0.00	727.90	42.76	7.07	622.
444090.000	100.00	0.00	0.00	716.90	5900.00	728.05	0.00	729.00	97.33	8.10	710.
444080.000	150.00	0.00	0.00	716.90	10700.00	729.10	0.00	731.79	216.70	13.92	821.
444087.000	1.00	0.00	0.00	716.90	2100.00	725.59	0.00	725.55	70.23	4.05	432.
444087.000	1.00	0.00	0.00	716.90	4400.00	727.11	0.00	727.94	123.44	7.31	631.
444087.000	1.00	0.00	0.00	716.90	5800.00	728.02	0.00	729.23	148.05	8.43	680.
444087.000	1.00	0.00	0.00	716.90	10700.00	729.03	0.00	731.91	249.17	13.96	786.
444113.000	25.00	0.00	0.00	716.90	2100.00	725.39	0.00	725.73	63.13	4.67	449.
444113.000	25.00	0.00	0.00	716.90	4400.00	727.50	0.00	728.25	104.31	6.87	640.
444113.000	25.00	0.00	0.00	716.90	9800.00	728.55	0.00	729.51	122.20	7.84	739.
444113.000	25.00	0.00	0.00	716.90	10700.00	730.93	0.00	732.77	191.52	10.57	984.
444114.000	1.00	0.00	0.00	716.90	2100.00	725.43	0.00	725.74	43.99	4.40	400.
444114.000	1.00	0.00	0.00	716.90	4400.00	727.59	0.00	728.27	67.42	6.60	667.
444114.000	1.00	0.00	0.00	716.90	9800.00	728.65	0.00	729.55	76.92	7.53	770.
444114.000	1.00	0.00	0.00	716.90	10700.00	731.14	0.00	732.82	110.05	10.30	1030.
444234.000	120.00	0.00	0.00	716.90	2100.00	725.96	0.00	726.11	18.96	3.61	1013.
444234.000	120.00	0.00	0.00	716.90	4400.00	727.58	0.00	728.67	11.62	3.47	3070.
444234.000	120.00	0.00	0.00	716.90	5800.00	729.66	0.00	729.93	9.10	3.35	4210.
444234.000	120.00	0.00	0.00	716.90	10700.00	733.20	0.00	733.33	6.27	2.31	7530.
447505.000	3351.00	0.00	0.00	721.50	2100.00	728.63	0.00	728.64	3.97	1.42	3248.
447505.000	3351.00	0.00	0.00	721.50	4400.00	736.79	0.00	730.80	3.70	1.73	3296.
447505.000	3351.00	0.00	0.00	721.50	5800.00	731.86	0.00	731.87	3.94	1.07	3304.
447505.000	3351.00	0.00	0.00	721.50	10700.00	734.92	0.00	734.94	3.74	2.21	9771.
* 454970.000	7385.00	0.00	0.00	731.30	2000.00	737.79	737.79	739.00	199.40	9.02	320.
* 454970.000	7385.00	0.00	0.00	731.30	4200.00	739.57	735.57	740.63	165.40	10.00	939.
* 454970.000	7385.00	0.00	0.00	731.30	5500.00	739.90	737.90	741.21	192.81	11.02	1113.
454970.000	7385.00	0.00	0.00	731.30	10200.00	742.22	741.20	743.03	125.07	11.30	2179.
455020.000	50.00	0.00	0.00	731.30	2000.00	739.41	0.00	739.69	43.70	5.40	572.
455020.000	50.00	0.00	0.00	731.30	4200.00	740.87	0.00	741.21	93.90	6.70	1521.
455020.000	50.00	0.00	0.00	731.30	5500.00	741.49	0.00	741.66	50.87	7.39	1815.
455020.000	50.00	0.00	0.00	731.30	10200.00	743.05	0.00	743.27	70.00	9.29	2510.
455021.000	1.00	0.00	0.00	731.30	2000.00	739.24	0.00	740.40	110.90	8.70	247.
* 455021.000	1.00	0.00	0.00	731.30	4200.00	742.20	742.20	743.53	100.39	10.51	844.
* 455021.000	1.00	0.00	0.00	731.30	5500.00	742.92	742.92	744.21	137.01	10.90	1109.
* 455021.000	1.00	0.00	0.00	731.30	10200.00	744.39	744.39	745.91	140.43	11.61	1549.
455039.000	18.00	0.00	0.00	731.30	2000.00	739.65	0.00	740.67	93.10	8.27	263.
455039.000	18.00	0.00	0.00	731.30	4200.00	743.02	0.00	744.20	34.56	6.54	1620.
455039.000	18.00	0.00	0.00	731.30	5500.00	744.36	0.00	744.81	41.03	7.42	1727.
455039.000	18.00	0.00	0.00	731.30	10200.00	746.12	0.00	746.05	51.22	6.97	3022.
455040.000	1.00	0.00	0.00	731.30	2000.00	741.19	0.00	741.25	9.71	2.93	1663.
455040.000	1.00	0.00	0.00	731.30	4200.00	744.30	0.00	744.41	6.59	2.94	3529.
455040.000	1.00	0.00	0.00	731.30	5500.00	744.99	0.00	745.05	8.49	3.45	3690.
455040.000	1.00	0.00	0.00	731.30	10200.00	746.70	0.00	746.90	13.91	4.82	4706.



SECD	XLCH	ELTRD	EILC	ELMIN	Q	CMSEL	CRHS	ED	10K+S	VCH	AREA
455000.000	40.00	0.00	0.00	731.30	2000.00	741.23	0.00	741.29	9.38	2.89	1091.
455000.000	40.00	0.00	0.00	731.30	4200.00	744.35	0.00	744.43	6.51	2.93	3343.
455000.000	40.00	0.00	0.00	731.30	5500.00	745.02	0.00	745.08	8.33	3.43	3709.
455000.000	40.00	0.00	0.00	731.30	10200.00	746.64	0.00	746.95	13.63	4.78	4421.
457000.000	1920.00	0.00	0.00	734.10	2000.00	742.72	0.00	742.73	6.08	1.84	2292.
457000.000	1920.00	0.00	0.00	734.10	4200.00	745.54	0.00	745.56	5.28	2.15	3832.
457000.000	1920.00	0.00	0.00	734.10	5500.00	746.42	0.00	746.45	6.13	2.45	4350.
457000.000	1920.00	0.00	0.00	734.10	10200.00	748.93	0.00	748.92	6.39	3.30	5879.
457756.000	756.00	0.00	0.00	735.60	2000.00	743.34	0.00	743.37	12.16	2.35	1787.
457756.000	756.00	0.00	0.00	735.60	4200.00	746.04	0.00	746.07	8.68	2.57	3259.
457756.000	756.00	0.00	0.00	735.60	5500.00	746.90	0.00	747.02	9.31	2.84	3796.
457756.000	756.00	0.00	0.00	735.60	10200.00	749.65	0.00	749.71	10.92	3.62	5392.
459482.000	1726.00	0.00	0.00	739.00	2000.00	746.10	0.00	746.15	22.17	2.99	1454.
459482.000	1726.00	0.00	0.00	739.00	4200.00	748.14	0.00	748.20	18.73	3.39	2535.
459482.000	1726.00	0.00	0.00	739.00	5500.00	749.13	0.00	749.14	17.69	3.55	3081.
459482.000	1726.00	0.00	0.00	739.00	10200.00	751.93	0.00	752.02	16.93	4.18	4710.
461210.000	1726.00	0.00	0.00	742.40	2000.00	749.66	0.00	749.70	19.07	2.83	1532.
461210.000	1726.00	0.00	0.00	742.40	4200.00	751.46	0.00	751.52	19.68	3.45	2494.
461210.000	1726.00	0.00	0.00	742.40	5500.00	752.34	0.00	752.41	19.60	3.71	2979.
461210.000	1726.00	0.00	0.00	742.40	10200.00	754.98	0.00	755.08	18.99	4.38	4501.
461300.000	90.00	0.00	0.00	742.40	2000.00	749.62	0.00	749.66	16.25	2.66	1019.
461300.000	90.00	0.00	0.00	742.40	4200.00	751.63	0.00	751.69	17.57	3.31	2389.
461300.000	90.00	0.00	0.00	742.40	5500.00	752.51	0.00	752.56	17.81	3.58	3074.
461300.000	90.00	0.00	0.00	742.40	10200.00	755.15	0.00	755.24	17.74	4.28	4603.
461500.000	200.00	0.00	0.00	742.50	2000.00	750.12	0.00	750.15	13.52	2.48	1724.
461500.000	200.00	0.00	0.00	742.50	4200.00	751.96	0.00	752.01	15.16	3.14	2716.
461500.000	200.00	0.00	0.00	742.50	5500.00	752.85	0.00	752.91	15.57	3.41	3212.
461500.000	200.00	0.00	0.00	742.50	10200.00	755.50	0.00	755.58	16.08	4.14	4753.
462000.000	500.00	0.00	0.00	742.70	2000.00	750.70	0.00	750.72	9.77	2.20	1924.
462000.000	500.00	0.00	0.00	742.70	4200.00	752.63	0.00	752.67	11.48	2.84	2575.
462000.000	500.00	0.00	0.00	742.70	5500.00	753.55	0.00	753.59	12.05	3.12	3491.
462000.000	500.00	0.00	0.00	742.70	10200.00	756.24	0.00	756.31	13.13	3.85	5078.
463000.000	1000.00	0.00	0.00	743.10	2000.00	751.13	0.00	751.55	6.99	1.94	2150.
463000.000	1000.00	0.00	0.00	743.10	4200.00	753.61	0.00	753.65	8.34	2.53	3301.
463000.000	1000.00	0.00	0.00	743.10	5500.00	754.58	0.00	754.62	8.86	2.79	3658.
463000.000	1000.00	0.00	0.00	743.10	10200.00	757.30	0.00	757.45	10.04	3.51	5544.
464000.000	1000.00	0.00	0.00	743.50	2000.00	752.17	0.00	752.16	5.85	1.62	2261.
464000.000	1000.00	0.00	0.00	743.50	4200.00	754.38	0.00	754.40	6.92	2.37	3508.
464000.000	1000.00	0.00	0.00	743.50	5500.00	755.40	0.00	755.43	7.36	2.62	4099.
464000.000	1000.00	0.00	0.00	743.50	10200.00	758.32	0.00	758.37	8.42	3.31	5872.
465000.000	1000.00	0.00	0.00	743.90	2000.00	752.72	0.00	752.74	5.24	1.74	2365.
465000.000	1000.00	0.00	0.00	743.90	4200.00	755.03	0.00	755.05	6.11	2.26	3653.
465000.000	1000.00	0.00	0.00	743.90	5500.00	756.09	0.00	756.12	6.48	2.50	4271.
465000.000	1000.00	0.00	0.00	743.90	10200.00	759.11	0.00	759.17	7.42	3.15	6121.

SECD	XLCH	ELTRD	ELLC	ELMIN	Q	DWSEL	CRIMS	EG	10K+S	VCH	AREA
46953.000	4553.00	0.00	0.00	745.90	1000.00	756.20	0.00	750.62	14.51	3.75	1193.
46953.000	4553.00	0.00	0.00	745.90	3000.00	758.64	0.00	758.74	11.45	3.88	2650.
46953.000	4553.00	0.00	0.00	745.90	5000.00	759.71	0.00	759.89	10.45	3.93	3475.
46953.000	4553.00	0.00	0.00	745.90	9400.00	762.68	0.00	762.76	8.42	3.66	6147.
469703.000	150.00	0.00	0.00	745.90	1000.00	756.51	0.00	756.83	41.60	4.38	392.
469703.000	150.00	0.00	0.00	745.90	3000.00	758.61	0.00	759.36	75.72	6.95	547.
469703.000	150.00	0.00	0.00	745.90	5000.00	759.50	0.00	760.52	92.51	8.33	618.
469703.000	150.00	0.00	0.00	745.90	9400.00	762.63	0.00	762.69	7.79	2.90	6280.
469704.000	1.00	0.00	0.00	745.90	1000.00	756.42	0.00	756.90	99.43	9.77	306.
469704.000	1.00	0.00	0.00	745.90	3000.00	758.32	0.00	759.57	122.47	9.50	394.
469704.000	1.00	0.00	0.00	745.90	5000.00	759.67	0.00	760.63	176.73	11.30	592.
469704.000	1.00	0.00	0.00	745.90	9400.00	760.71	760.71	764.78	363.27	17.07	637.
469731.000	32.00	0.00	0.00	745.90	1000.00	756.02	0.00	757.08	91.60	9.62	373.
469731.000	32.00	0.00	0.00	745.90	3000.00	758.93	0.00	759.99	106.66	8.80	541.
469736.000	32.00	0.00	0.00	745.90	9000.00	760.05	0.00	761.45	132.90	10.16	629.
469736.000	32.00	0.00	0.00	745.90	9400.00	764.00	0.00	765.94	149.65	12.07	1080.
469737.000	1.00	0.00	0.00	745.90	1000.00	756.65	0.00	757.12	36.63	4.34	414.
469737.000	1.00	0.00	0.00	745.90	3000.00	759.50	0.00	760.99	53.35	6.14	618.
469737.000	1.00	0.00	0.00	745.90	5000.00	760.60	0.00	761.93	58.64	6.89	720.
469737.000	1.00	0.00	0.00	745.90	9400.00	764.93	0.00	766.10	57.04	6.69	1081.
469837.000	100.00	0.00	0.00	745.90	1000.00	757.24	0.00	757.30	6.77	2.73	1736.
469837.000	100.00	0.00	0.00	745.90	3000.00	760.27	0.00	760.30	4.42	2.63	3950.
469837.000	100.00	0.00	0.00	745.90	9000.00	761.74	0.00	761.77	3.63	2.56	5271.
469837.000	100.00	0.00	0.00	745.90	9400.00	766.37	0.00	766.39	2.14	2.36	10476.
470920.000	1083.00	0.00	0.00	751.50	1000.00	758.33	0.00	758.35	15.00	2.92	17.01
470920.000	1083.00	0.00	0.00	751.50	3000.00	760.69	0.00	760.91	7.25	2.22	3753.
470920.000	1083.00	0.00	0.00	751.50	5000.00	762.24	0.00	762.26	5.71	2.17	4867.
470920.000	1083.00	0.00	0.00	751.50	9400.00	766.65	0.00	766.67	3.18	2.64	9341.
473204.000	2264.00	0.00	0.00	755.30	1700.00	762.13	0.00	762.21	18.86	3.23	1336.
473204.000	2264.00	0.00	0.00	755.30	3000.00	763.44	0.00	763.93	20.74	3.66	2482.
473204.000	2264.00	0.00	0.00	755.30	4000.00	764.28	0.00	764.35	17.11	3.77	3365.
473204.000	2264.00	0.00	0.00	755.30	9000.00	767.65	0.00	767.66	6.93	3.83	7307.
473404.000	200.00	0.00	0.00	755.30	1700.00	762.53	0.00	762.64	23.14	2.69	651.
473404.000	200.00	0.00	0.00	755.30	3000.00	763.67	0.00	764.14	36.56	4.13	803.
473404.000	200.00	0.00	0.00	755.30	4000.00	764.61	0.00	764.67	40.50	4.70	1000.
473404.000	200.00	0.00	0.00	755.30	9000.00	767.61	0.00	768.16	36.65	5.93	1510.
473405.000	1.00	0.00	0.00	755.30	1700.00	762.44	0.00	762.67	80.91	4.10	501.
473405.000	1.00	0.00	0.00	755.30	3000.00	763.82	0.00	764.19	143.47	5.93	804.
473405.000	1.00	0.00	0.00	755.30	4000.00	764.56	0.00	765.01	103.74	6.52	934.
473405.000	1.00	0.00	0.00	755.30	9000.00	767.60	0.00	768.17	190.21	6.01	1900.
473415.000	10.00	0.00	0.00	755.30	1700.00	762.58	0.00	762.75	75.33	4.00	595.
473415.000	10.00	0.00	0.00	755.30	3000.00	763.99	0.00	764.33	129.77	5.68	834.
473415.000	10.00	0.00	0.00	755.30	4000.00	764.76	0.00	765.18	147.56	6.23	964.
473415.000	10.00	0.00	0.00	755.30	9000.00	767.78	0.00	768.32	141.26	6.63	1539.

SECNO XLCH ELTRD EILC ELFIN D CHSEL CRHS EG 10K+S VCH AREA

473416.000	1.00	0.00	0.00	755.30	1700.00	762.60	0.00	762.77	20.62	2.60	677.
473416.000	1.00	0.00	0.00	755.30	3650.00	764.11	0.00	764.35	31.51	3.95	929.
473416.000	1.00	0.00	0.00	755.30	4800.00	764.60	0.00	765.20	35.07	4.55	1054.
473416.000	1.00	0.00	0.00	755.30	9000.00	767.01	0.00	768.33	34.17	7.80	1990.
473616.000	200.00	0.00	0.00	755.30	1700.00	762.99	0.00	763.02	7.59	2.24	2044.
473616.000	200.00	0.00	0.00	755.30	3650.00	764.63	0.00	764.67	7.42	2.56	3741.
473616.000	200.00	0.00	0.00	755.30	4800.00	765.49	0.00	765.52	6.66	2.62	4722.
473616.000	200.00	0.00	0.00	755.30	9000.00	768.60	0.00	768.62	4.42	2.55	8558.
476070.000	2454.00	0.00	0.00	758.00	1700.00	765.61	0.00	765.66	16.37	2.69	1305.
476070.000	2454.00	0.00	0.00	758.00	3650.00	767.41	0.00	767.49	19.63	3.79	2011.
476070.000	2454.00	0.00	0.00	758.00	4800.00	768.22	0.00	768.32	21.74	4.23	2392.
476070.000	2454.00	0.00	0.00	758.00	9000.00	770.67	0.00	770.81	24.67	5.33	3481.
477310.000	1060.00	0.00	0.00	758.90	1700.00	766.63	0.00	766.64	9.90	1.67	2220.
477310.000	1060.00	0.00	0.00	758.90	3650.00	768.60	0.00	768.62	6.56	2.13	3485.
477310.000	1060.00	0.00	0.00	758.90	4800.00	769.50	0.00	769.52	6.92	2.35	4092.
477310.000	1060.00	0.00	0.00	758.90	9000.00	772.13	0.00	772.15	7.67	2.94	5927.
478530.000	1400.00	0.00	0.00	759.80	1700.00	767.64	0.00	767.67	9.24	2.27	2021.
478530.000	1400.00	0.00	0.00	759.80	3650.00	769.53	0.00	769.55	6.86	2.32	4013.
478530.000	1400.00	0.00	0.00	759.80	4800.00	771.41	0.00	770.43	6.09	2.34	5288.
478530.000	1400.00	0.00	0.00	759.80	9000.00	773.96	0.00	772.98	4.49	2.37	9397.
479000.000	470.00	0.00	0.00	760.70	1700.00	768.16	0.00	768.21	14.20	2.70	1769.
479000.000	470.00	0.00	0.00	760.70	3650.00	769.92	0.00	769.96	10.49	2.75	3365.
479000.000	470.00	0.00	0.00	760.70	4800.00	770.75	0.00	770.78	9.25	2.77	4447.
479000.000	470.00	0.00	0.00	760.70	9000.00	773.21	0.00	773.23	6.37	2.71	8315.
479500.000	500.00	0.00	0.00	761.70	1700.00	768.90	0.00	769.02	10.55	3.00	1542.
479500.000	500.00	0.00	0.00	761.70	3650.00	770.53	0.00	770.58	14.75	3.16	2926.
479500.000	500.00	0.00	0.00	761.70	4800.00	771.29	0.00	771.34	13.30	3.20	3827.
479500.000	500.00	0.00	0.00	761.70	9000.00	773.98	0.00	773.62	9.17	3.13	7294.
483884.000	4384.00	0.00	0.00	770.50	1000.00	777.81	0.00	777.90	22.57	3.50	1033.
483884.000	4384.00	0.00	0.00	770.50	3300.00	779.14	0.00	779.27	26.94	4.49	1700.
483884.000	4384.00	0.00	0.00	770.50	4400.00	779.74	0.00	779.89	32.48	5.01	2055.
483884.000	4384.00	0.00	0.00	770.50	8400.00	781.08	0.00	781.34	49.11	6.81	2816.
483984.000	100.00	0.00	0.00	770.50	1000.00	778.05	0.00	778.35	70.72	4.41	363.
483984.000	100.00	0.00	0.00	770.50	3300.00	779.32	0.00	780.01	116.71	6.67	495.
483984.000	100.00	0.00	0.00	770.50	4400.00	779.84	0.00	780.83	149.31	7.97	552.
483984.000	100.00	0.00	0.00	770.50	8400.00	781.59	0.00	781.75	32.50	4.36	3130.
483985.000	1.00	0.00	0.00	770.50	1000.00	778.08	0.00	778.37	62.94	4.50	359.
483985.000	1.00	0.00	0.00	770.50	3300.00	779.33	0.00	780.05	144.38	6.81	484.
483985.000	1.00	0.00	0.00	770.50	4400.00	779.85	0.00	780.88	188.13	8.14	540.
483985.000	1.00	0.00	0.00	770.50	8400.00	781.17	0.00	783.48	346.29	12.21	608.
484019.000	30.00	0.00	0.00	770.50	1000.00	778.35	0.00	778.62	65.92	4.16	384.
484019.000	30.00	0.00	0.00	770.50	3300.00	779.95	0.00	780.50	100.18	5.99	521.
484019.000	30.00	0.00	0.00	770.50	4400.00	780.77	0.00	781.50	115.69	6.85	641.
484019.000	30.00	0.00	0.00	770.50	8400.00	784.20	0.00	784.90	72.73	6.81	1747.

SECNO	XLCN	ELTRD	ELLC	ELMIN	D	CWSEL	CRIMS	EC	10K+S	VCH	AREA
484016.000	1.00	0.00	0.00	770.50	1200.00	770.30	0.00	770.64	93.73	4.03	390.
484016.000	1.00	0.00	0.00	770.50	3300.00	780.02	0.00	780.54	79.34	5.77	571.
484016.000	1.00	0.00	0.00	770.50	4400.00	780.87	0.00	781.54	84.70	6.59	667.
484016.000	1.00	0.00	0.00	770.50	8400.00	785.20	0.00	785.29	6.11	2.47	5511.
484116.000	100.00	0.00	0.00	770.50	1600.00	778.82	0.00	770.80	8.91	2.42	1533.
484116.000	100.00	0.00	0.00	770.50	3300.00	780.70	0.00	785.83	9.05	2.76	2640.
484116.000	100.00	0.00	0.00	770.50	4400.00	781.52	0.00	781.87	8.86	3.04	3273.
484116.000	100.00	0.00	0.00	770.50	8400.00	785.26	0.00	785.32	7.00	3.28	5553.
494711.000	10595.00	0.00	0.00	777.30	1340.00	787.40	0.00	787.44	7.26	2.36	1442.
494711.000	10595.00	0.00	0.00	777.30	2750.00	789.30	0.00	789.50	7.11	2.64	2593.
494711.000	10595.00	0.00	0.00	777.30	3700.00	791.34	0.00	790.30	7.19	2.81	3210.
494711.000	10595.00	0.00	0.00	777.30	7000.00	792.87	0.00	792.42	7.09	3.22	6150.
494761.000	50.00	0.00	0.00	778.30	1340.00	787.29	0.00	787.62	31.43	4.58	297.
494761.000	50.00	0.00	0.00	778.30	2750.00	788.80	0.00	789.86	80.27	7.97	345.
494761.000	50.00	0.00	0.00	778.30	3700.00	789.51	0.00	791.09	121.54	10.11	366.
494761.000	50.00	0.00	0.00	778.30	7000.00	792.91	0.00	792.99	6.61	3.10	5214.
494799.000	38.00	794.70	813.60	778.30	1340.00	787.33	0.00	787.65	31.04	4.56	294.
494799.000	38.00	794.70	813.60	778.30	2750.00	789.05	0.00	790.00	76.41	7.84	350.
494799.000	38.00	794.70	813.60	778.30	3700.00	789.87	0.00	791.36	110.51	9.79	377.
494799.000	38.00	794.70	813.60	778.30	7000.00	795.89	0.00	795.91	2.09	1.98	8052.
494849.000	50.00	0.00	0.00	777.30	1340.00	787.74	0.00	787.77	5.67	2.09	1631.
494849.000	50.00	0.00	0.00	777.30	2750.00	790.22	0.00	790.29	4.24	2.14	3140.
494849.000	50.00	0.00	0.00	777.30	3700.00	791.69	0.00	791.71	3.98	2.12	4196.
494849.000	50.00	0.00	0.00	777.30	7000.00	795.91	0.00	795.92	2.23	2.00	8032.
495000.000	151.00	0.00	0.00	777.50	1340.00	787.83	0.00	787.87	7.73	2.42	1482.
495000.000	151.00	0.00	0.00	777.50	2750.00	790.29	0.00	790.32	5.45	2.37	2564.
495000.000	151.00	0.00	0.00	777.50	3700.00	791.74	0.00	791.77	4.46	2.32	3825.
495000.000	151.00	0.00	0.00	777.50	7000.00	795.94	0.00	795.96	2.64	2.14	7594.
495200.000	500.00	0.00	0.00	779.50	1340.00	780.40	0.00	780.52	23.24	3.02	788.
495200.000	500.00	0.00	0.00	779.50	2750.00	790.60	0.00	790.75	13.95	3.47	2080.
495200.000	500.00	0.00	0.00	779.50	3700.00	792.05	0.00	792.10	10.12	3.23	2336.
495200.000	500.00	0.00	0.00	779.50	7000.00	796.11	0.00	796.14	4.96	2.75	5998.
496000.000	500.00	0.00	0.00	781.40	1340.00	789.76	0.00	789.94	34.28	4.47	639.
496000.000	500.00	0.00	0.00	781.40	2750.00	791.60	0.00	791.74	28.19	4.67	1497.
496000.000	500.00	0.00	0.00	781.40	3700.00	792.70	0.00	792.80	21.34	4.30	2160.
496000.000	500.00	0.00	0.00	781.40	7000.00	796.43	0.00	796.48	9.44	3.55	4676.
497000.000	1000.00	0.00	0.00	785.00	1340.00	793.30	0.00	793.49	26.55	4.59	540.
497000.000	1000.00	0.00	0.00	785.00	2750.00	794.84	0.00	795.03	38.47	5.32	1298.
497000.000	1000.00	0.00	0.00	785.00	3700.00	795.50	0.00	795.69	39.73	5.66	1665.
497000.000	1000.00	0.00	0.00	785.00	7000.00	797.69	0.00	798.03	20.02	5.50	5117.
502130.000	5138.00	0.00	0.00	803.50	1110.00	808.45	0.00	808.48	22.81	2.54	936.
502130.000	5138.00	0.00	0.00	803.50	2200.00	809.60	0.00	809.64	21.67	2.94	1530.
502130.000	5138.00	0.00	0.00	803.50	3000.00	810.58	0.00	810.63	20.06	3.19	1883.
502130.000	5138.00	0.00	0.00	803.50	5400.00	812.00	0.00	812.09	26.47	4.12	2501.

SECNO	XLCH	ELTRD	ELLC	SLMIN	Q	CWSEL	GRINS	EG	10K+S	VCH	AREA
505237.000	3099.00	0.00	0.00	814.60	1110.00	818.92	0.00	818.98	59.40	3.90	683.
505237.000	3099.00	0.00	0.00	814.60	2200.00	829.91	0.00	820.00	57.50	4.27	1095.
505237.000	3099.00	0.00	0.00	814.60	3000.00	820.52	0.00	820.62	56.02	4.58	1359.
505237.000	3099.00	0.00	0.00	814.60	5000.00	822.39	0.00	822.42	43.19	4.90	2101.
* 505487.000	250.00	0.00	0.00	814.80	1110.00	820.00	819.35	820.02	12.67	1.72	1143.
505487.000	250.00	0.00	0.00	814.80	2200.00	820.50	0.00	820.84	21.78	2.40	1503.
505487.000	250.00	0.00	0.00	814.80	3000.00	821.43	0.00	821.49	23.19	2.81	1797.
505487.000	250.00	0.00	0.00	814.80	5000.00	823.12	0.00	823.20	23.20	3.52	2608.
505513.000	26.00	824.40	849.20	814.80	1110.00	820.80	0.00	820.91	292.57	7.64	145.
* 505513.000	26.00	824.40	849.20	814.80	2200.00	822.23	0.00	823.38	176.57	8.59	256.
* 505513.000	26.00	824.40	849.20	814.80	3000.00	824.79	0.00	824.81	2.09	1.49	3496.
505513.000	26.00	824.40	849.20	814.80	5000.00	825.99	0.00	826.63	5.78	2.29	4087.
505713.000	200.00	0.00	0.00	815.90	900.00	821.53	0.00	821.54	6.48	1.03	1332.
505713.000	200.00	0.00	0.00	815.90	1800.00	823.85	0.00	823.86	3.49	1.53	2010.
505713.000	200.00	0.00	0.00	815.90	2400.00	824.86	0.00	824.87	3.32	1.62	3216.
505713.000	200.00	0.00	0.00	815.90	4400.00	826.12	0.00	825.15	5.75	2.33	6009.
505800.000	87.	0.00	0.00	816.20	900.00	821.59	0.00	821.61	6.69	1.03	1225.
505800.000	87.	0.00	0.00	816.20	1800.00	823.88	0.00	823.89	4.79	1.63	2460.
505800.000	87.	0.00	0.00	816.20	2400.00	824.89	0.00	824.90	3.89	1.72	3057.
505800.000	87.	0.00	0.00	816.20	4400.00	826.18	0.00	826.20	6.46	2.44	3847.
505900.000	100.00	0.00	0.00	816.50	900.00	821.69	0.00	821.71	11.24	2.02	1121.
505900.000	100.00	0.00	0.00	816.50	1800.00	823.92	0.00	823.94	5.06	1.73	2310.
505900.000	100.00	0.00	0.00	816.50	2400.00	824.93	0.00	824.94	4.93	1.82	2898.
505900.000	100.00	0.00	0.00	816.50	4400.00	826.24	0.00	826.27	7.30	2.55	3696.
506500.000	600.00	0.00	0.00	818.30	820.00	827.05	0.00	822.95	10.23	4.07	44.
506500.000	600.00	0.00	0.00	818.30	1600.00	824.48	0.00	824.58	34.28	4.06	876.
506500.000	600.00	0.00	0.00	818.30	2200.00	825.41	0.00	825.51	27.97	4.07	1102.
506500.000	600.00	0.00	0.00	818.30	4000.00	826.96	0.00	827.10	62.94	5.08	1694.
507500.000	1000.00	0.00	0.00	821.50	820.00	826.60	0.00	826.66	26.47	3.09	577.
507500.000	1000.00	0.00	0.00	821.50	1600.00	827.77	0.00	827.87	31.51	3.94	903.
507500.000	1000.00	0.00	0.00	821.50	2200.00	828.42	0.00	828.53	32.55	4.30	1100.
507500.000	1000.00	0.00	0.00	821.50	4000.00	830.21	4.00	830.34	31.99	5.03	1712.
510019.000	2519.00	0.00	0.00	829.30	820.00	834.18	0.00	834.26	34.62	3.42	522.
510019.000	2519.00	0.00	0.00	829.30	1050.00	835.60	0.00	835.70	30.66	3.90	912.
510019.000	2519.00	0.00	0.00	829.30	2200.00	836.32	0.00	836.42	30.10	4.10	1131.
510019.000	2519.00	0.00	0.00	829.30	4000.00	838.08	0.00	838.22	36.54	4.94	1741.
510119.000	100.00	0.00	0.00	829.50	820.00	834.59	0.00	834.69	31.95	3.40	478.
510119.000	100.00	0.00	0.00	829.50	1600.00	835.98	0.00	836.05	41.06	3.61	669.
510119.000	100.00	0.00	0.00	829.50	2200.00	836.67	0.00	836.76	38.33	3.84	1094.
510119.000	100.00	0.00	0.00	829.50	4000.00	838.44	0.00	838.56	37.50	4.36	1724.
510201.000	82.00	840.00	872.70	829.50	820.00	834.60	0.00	835.53	281.19	7.73	106.
* 510201.000	82.00	840.00	872.70	829.50	1600.00	838.30	0.00	839.33	190.15	8.10	202.
* 510201.000	82.00	840.00	872.70	829.50	2200.00	840.81	0.00	840.83	2.88	1.49	2701.
510201.000	82.00	840.00	872.70	829.50	4000.00	842.32	0.00	842.34	4.96	2.13	3377.

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	GRINS	EG	10K*S	VCH	AREA
510361.000	100.00	0.00	0.00	829.30	820.00	836.21	0.00	836.22	4.50	1.01	1096.
510361.000	100.00	0.00	0.00	829.30	1650.00	840.08	0.00	840.01	1.07	1.41	2501.
510361.000	100.00	0.00	0.00	829.30	2200.00	840.84	0.00	840.85	2.25	1.63	2860.
510361.000	100.00	0.00	0.00	829.30	4000.00	842.36	0.00	842.39	4.03	2.36	3548.
510500.000	199.00	0.00	0.00	830.30	820.00	836.33	0.00	836.36	9.76	2.13	832.
510500.000	199.00	0.00	0.00	830.30	1650.00	840.04	0.00	840.06	3.04	1.66	2110.
510500.000	199.00	0.00	0.00	830.30	2200.00	840.49	0.00	840.91	3.51	1.91	2455.
510500.000	199.00	0.00	0.00	830.30	4000.00	842.45	0.00	842.49	5.73	2.69	3131.
510700.000	200.00	0.00	0.00	831.30	820.00	836.59	0.00	836.64	21.08	2.84	627.
510700.000	200.00	0.00	0.00	831.30	1650.00	840.12	0.00	840.14	5.10	2.03	1753.
510700.000	200.00	0.00	0.00	831.30	2200.00	840.97	0.00	841.00	5.62	2.27	2065.
510700.000	200.00	0.00	0.00	831.30	4000.00	842.56	0.00	842.63	8.36	3.09	2748.
511000.000	300.00	0.00	0.00	832.80	820.00	837.40	0.00	837.57	46.68	3.84	467.
511000.000	300.00	0.00	0.00	832.80	1650.00	840.32	0.00	840.37	11.65	2.73	1296.
511000.000	300.00	0.00	0.00	832.80	2200.00	841.19	0.00	841.24	11.60	2.96	1598.
511000.000	300.00	0.00	0.00	832.80	4000.00	842.89	0.00	842.97	14.91	3.61	2251.
511500.000	500.00	0.00	0.00	835.10	820.00	839.78	0.00	839.88	45.87	3.81	470.
511500.000	500.00	0.00	0.00	835.10	1650.00	841.23	0.00	841.34	35.85	4.13	861.
511500.000	500.00	0.00	0.00	835.10	2200.00	842.06	0.00	842.17	31.50	4.25	1113.
511500.000	500.00	0.00	0.00	835.10	4000.00	843.89	0.00	844.02	30.44	4.94	1743.
512000.000	500.00	0.00	0.00	837.40	820.00	842.68	0.00	842.19	46.19	3.82	469.
512000.000	500.00	0.00	0.00	837.40	1650.00	843.25	0.00	843.38	46.57	4.55	783.
512000.000	500.00	0.00	0.00	837.40	2200.00	843.92	0.00	844.06	45.53	4.86	973.
512000.000	500.00	0.00	0.00	837.40	4000.00	845.65	0.00	845.82	42.36	5.56	1545.
514780.000	270.00	0.00	0.00	850.70	510.00	856.44	0.00	856.67	63.67	4.62	201.
514780.000	270.00	0.00	0.00	850.70	1030.00	857.95	0.00	858.23	67.14	5.88	350.
514780.000	270.00	0.00	0.00	850.70	1370.00	858.64	0.00	858.93	70.76	6.46	432.
514780.000	270.00	0.00	0.00	850.70	2500.00	860.30	0.00	860.73	82.00	7.98	658.
514930.000	150.00	0.00	0.00	851.50	510.00	857.21	0.00	857.32	30.10	3.28	252.
514930.000	150.00	0.00	0.00	851.50	1030.00	858.77	0.00	858.94	33.50	4.22	333.
514930.000	150.00	0.00	0.00	851.50	1370.00	859.50	0.00	859.71	35.80	4.71	530.
514930.000	150.00	0.00	0.00	851.50	2500.00	861.31	0.00	861.62	42.00	5.97	803.
514950.000	20.00	859.40	891.90	851.50	510.00	857.21	0.00	857.59	62.82	4.94	103.
514950.000	20.00	859.40	891.90	851.50	1030.00	858.77	0.00	858.94	33.51	4.22	434.
514950.000	20.00	859.40	891.90	851.50	1370.00	860.30	0.00	860.45	21.90	3.97	644.
514950.000	20.00	859.40	891.90	851.50	2500.00	861.93	0.00	862.17	30.82	5.36	909.
515050.000	100.00	0.00	0.00	850.70	460.00	857.89	0.00	857.94	14.02	2.67	344.
515050.000	100.00	0.00	0.00	850.70	930.00	859.13	0.00	859.24	23.49	3.86	492.
515050.000	100.00	0.00	0.00	850.70	1220.00	860.56	0.00	860.65	16.89	3.69	697.
515050.000	100.00	0.00	0.00	850.70	2300.00	862.31	0.00	862.46	24.64	5.03	986.
515130.000	80.00	0.00	0.00	850.70	460.00	858.00	0.00	858.05	12.63	2.59	357.
515130.000	80.00	0.00	0.00	850.70	930.00	859.32	0.00	859.41	20.62	0.70	519.
515130.000	80.00	0.00	0.00	850.70	1220.00	860.69	0.00	860.78	15.59	3.58	720.
515130.000	80.00	0.00	0.00	850.70	2300.00	862.51	0.00	862.65	22.41	4.84	1029.

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## SUMMARY PRINTOUT TABLE 190

SECTNO	G	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	KLCH
294977.000	4900.00	596.02	0.00	3.00	.31	249.36	0.00
294977.000	11000.00	601.31	0.00	0.00	.36	378.97	0.00
294977.000	15000.00	603.67	0.00	0.00	.39	403.19	0.00
294977.000	31500.00	610.76	6.89	0.00	.46	659.98	0.00
295027.000	4900.00	596.26	0.00	.23	0.00	227.28	50.00
295027.000	11000.00	601.53	0.00	.22	0.00	249.54	50.00
295027.000	15000.00	604.06	0.00	.18	0.00	293.09	50.00
295027.000	31500.00	611.01	6.96	.25	0.00	665.92	50.00
295028.000	4900.00	596.19	0.00	-.06	0.00	217.65	1.00
295028.000	11000.00	601.48	0.00	-.07	0.00	273.31	1.00
295028.000	15000.00	604.02	0.00	-.04	0.00	294.89	1.00
295028.000	31500.00	610.92	6.91	-.09	0.00	783.03	1.00
295052.000	4900.00	596.27	0.00	.08	0.00	216.01	24.00
295052.000	11000.00	601.56	0.00	.08	0.00	273.72	24.00
295052.000	15000.00	604.10	0.00	.08	0.00	295.70	24.00
295052.000	31500.00	611.02	6.92	.09	0.00	790.02	24.00
295053.000	4900.00	596.40	0.00	.13	0.00	227.21	1.00
295053.000	11000.00	601.67	0.00	.11	0.00	250.00	1.00
295053.000	15000.00	604.18	0.00	.08	0.00	293.00	1.00
295053.000	31500.00	611.20	7.02	.18	0.00	669.64	1.00
295103.000	4900.00	596.42	0.00	.01	0.00	257.60	50.00
295103.000	11000.00	601.67	0.00	.00	0.00	383.26	50.00
295103.000	15000.00	604.20	0.00	-.02	0.00	404.35	50.00
295103.000	31500.00	611.17	6.98	-.02	0.00	689.13	50.00
295399.000	4900.00	596.09	0.00	.43	0.00	270.22	296.00
295399.000	11000.00	602.14	0.00	.47	0.00	319.92	296.00
295399.000	15000.00	604.60	0.00	.47	0.00	332.06	296.00
295399.000	31500.00	611.61	6.95	.44	0.00	401.34	296.00
* 295400.000	4900.00	605.72	0.00	8.87	0.00	342.01	1.00
* 295400.000	11000.00	607.06	0.00	4.92	0.00	359.10	1.00
* 295400.000	15000.00	607.79	0.00	3.12	0.00	360.00	1.00
* 295400.000	31500.00	610.30	2.51	-1.32	0.00	379.42	1.00
295401.000	4900.00	606.59	0.00	.87	0.00	408.98	1.00
295401.000	11000.00	608.27	0.00	1.21	0.00	440.69	1.00
295401.000	15000.00	609.18	0.00	1.40	0.00	447.99	1.00
295401.000	31500.00	612.30	3.12	2.01	0.00	472.82	1.00
295402.000	4900.00	606.59	0.00	.00	0.00	407.12	1.00
295402.000	11000.00	608.28	0.00	.01	0.00	440.81	1.00
295402.000	15000.00	609.19	0.00	.01	0.00	448.05	1.00
295402.000	31500.00	612.31	3.12	.01	0.00	472.87	1.00
295405.000	4900.00	606.60	0.00	.01	0.00	409.19	3.00
295405.000	11000.00	608.30	0.00	.02	0.00	440.94	3.00
295405.000	15000.00	609.22	0.00	.01	0.00	448.21	3.00
295405.000	31500.00	612.36	3.14	.04	0.00	473.16	3.00

SECNO	Q	CMSL	DIFWSP	DIFWSX	DIFKHS	TOPMID	XLCH
295410.000	4900.00	606.61	0.00	.01	0.00	409.44	5.00
295410.000	11000.00	608.33	0.00	.03	0.00	441.16	5.00
295410.000	15000.00	609.26	0.00	.04	0.00	448.54	5.00
295410.000	31500.00	612.43	3.17	.08	0.00	473.84	5.00
295420.000	4900.00	606.63	0.00	.03	0.00	409.94	10.00
295420.000	11000.00	608.39	0.00	.06	0.00	441.65	10.00
295420.000	15000.00	609.34	0.00	.09	0.00	449.27	10.00
295420.000	31500.00	612.57	3.22	.13	0.00	474.91	10.00
295450.000	4900.00	606.70	0.00	.06	0.00	407.21	30.00
295450.000	11000.00	608.53	0.00	.13	0.00	441.24	30.00
295450.000	15000.00	609.51	0.00	.17	0.00	449.07	30.00
295450.000	31500.00	612.83	3.31	.20	0.00	475.32	30.00
295500.000	4900.00	606.81	0.00	.12	0.00	405.31	50.00
295500.000	11000.00	608.77	0.00	.24	0.00	441.97	50.00
295500.000	15000.00	609.82	0.00	.31	0.00	449.91	50.00
295500.000	31500.00	613.31	3.48	.48	0.00	477.82	50.00
295600.000	4900.00	607.07	0.00	.25	0.00	405.29	100.00
295600.000	11000.00	609.28	0.00	.51	0.00	443.98	100.00
295600.000	15000.00	610.44	0.00	.61	0.00	453.19	100.00
295600.000	31500.00	614.17	3.74	.86	0.00	482.90	100.00
296000.000	4900.00	607.96	0.00	.89	0.00	418.84	400.00
296000.000	11000.00	610.73	0.00	1.45	0.00	453.13	400.00
296000.000	15000.00	612.11	0.00	1.88	0.00	464.14	400.00
296000.000	31500.00	616.42	4.30	2.24	0.00	497.20	400.00
297000.000	4900.00	609.43	0.00	1.47	0.00	436.93	1000.00
297000.000	11000.00	612.77	0.00	2.04	0.00	464.59	1000.00
297000.000	15000.00	614.40	0.00	2.29	0.00	477.58	1000.00
297000.000	31500.00	619.39	4.99	2.97	0.00	522.34	1000.00
298000.000	4900.00	610.58	0.00	1.16	0.00	388.58	1000.00
298000.000	10700.00	614.28	3.00	1.91	0.00	457.61	1000.00
298000.000	14600.00	616.07	0.00	1.67	0.00	496.96	1000.00
298000.000	31000.00	621.48	5.41	2.89	3.00	591.41	1000.00
300000.000	4800.00	612.83	0.00	2.25	0.00	402.60	2000.00
300000.000	10700.00	617.13	0.00	2.85	0.00	482.73	2000.00
300000.000	14600.00	619.16	0.00	3.09	0.00	528.01	2000.00
300000.000	31000.00	625.20	6.04	3.73	0.00	647.87	2000.00
308740.000	4800.00	619.40	0.00	5.53	0.00	358.70	8740.00
308740.000	10700.00	624.71	0.00	7.58	0.00	594.16	8740.00
308740.000	14600.00	627.08	0.00	7.92	0.00	706.00	8740.00
308740.000	31000.00	633.84	6.76	8.64	0.00	1072.08	8740.00
311430.000	4800.00	621.20	0.00	1.75	0.00	257.03	2690.00
311430.000	10700.00	626.73	0.00	2.03	0.00	322.73	2690.00
311430.000	14600.00	629.22	0.20	2.14	0.00	362.43	2690.00
311430.000	31000.00	636.20	6.98	2.36	0.00	443.16	2690.00



SEQNO	Q	CHSEL	DIFMSP	DIFWSX	DIFXNS	TOPWID	XLCH
316700.000	4800.00	624.83	0.00	3.59	0.00	288.63	5270.00
316700.000	10600.00	630.78	0.00	4.05	0.00	363.75	5270.00
316700.000	14500.00	633.61	0.00	4.36	0.00	424.34	5270.00
316700.000	30800.00	641.63	0.00	5.43	0.00	550.35	5270.00
316750.000	4800.00	624.83	0.00	.03	0.00	288.67	50.00
316750.000	10600.00	630.81	0.00	.03	0.00	364.26	50.00
316750.000	14500.00	633.61	0.00	.04	0.00	424.34	50.00
316750.000	30800.00	641.67	0.00	.04	0.00	551.09	50.00
316751.000	4800.00	624.81	0.00	-.02	0.00	270.64	1.00
316751.000	10600.00	630.80	0.00	-.01	0.00	464.99	1.00
316751.000	14500.00	633.61	0.00	-.00	0.00	400.72	1.00
316751.000	30800.00	641.72	0.11	.05	0.00	631.82	1.00
316769.000	4800.00	624.84	0.00	.02	0.00	270.93	18.00
316769.000	10600.00	630.82	0.00	.02	0.00	409.15	18.00
316769.000	14500.00	633.62	0.00	.02	0.00	480.96	18.00
316769.000	30800.00	641.74	0.11	.02	0.00	632.25	18.00
316770.000	4800.00	624.88	0.00	.05	0.00	289.56	1.00
316770.000	10600.00	630.85	0.00	.02	0.00	324.67	1.00
316770.000	14500.00	633.63	0.00	.01	0.00	424.50	1.00
316770.000	30800.00	641.71	0.09	-.03	0.00	591.72	1.00
316820.000	4800.00	624.91	0.00	.03	0.00	290.31	50.00
316820.000	10600.00	630.80	0.00	.03	0.00	363.27	50.00
316820.000	14500.00	633.67	0.00	.04	0.00	429.19	50.00
316820.000	30800.00	641.79	0.09	.06	0.00	592.37	50.00
317249.000	4800.00	625.10	0.00	.25	0.00	215.99	429.00
317249.000	10600.00	631.12	0.00	.24	0.00	361.32	429.00
317249.000	14500.00	633.91	0.00	.24	0.00	341.28	429.00
317249.000	30800.00	641.98	0.07	.23	0.00	498.82	429.00
317250.000	4800.00	625.00	0.00	-.17	0.00	205.37	1.00
317250.000	10600.00	630.94	0.00	-.19	0.00	367.73	1.00
317250.000	14500.00	633.71	0.00	-.20	0.00	355.51	1.00
317250.000	30800.00	641.75	0.04	-.23	0.00	494.82	1.00
317251.000	4800.00	625.23	0.00	.04	0.00	235.32	1.00
317251.000	10600.00	631.28	0.00	.34	0.00	345.65	1.00
317251.000	14500.00	634.12	0.00	.40	0.00	389.99	1.00
317251.000	30800.00	642.36	0.24	.61	0.00	476.33	1.00
317252.000	4800.00	625.24	0.00	.00	0.00	239.34	1.00
317252.000	10600.00	631.28	0.00	.00	0.00	345.66	1.00
317252.000	14500.00	634.12	0.00	.00	0.00	389.98	1.00
317252.000	30800.00	642.36	0.24	.00	0.00	476.33	1.00
317253.000	4800.00	625.24	0.00	.00	0.00	235.45	3.00
317253.000	10600.00	631.28	0.00	.00	0.00	345.71	3.00
317253.000	14500.00	634.12	0.00	.00	0.00	389.98	3.00
317253.000	30800.00	642.36	0.24	.00	0.00	476.36	3.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
317260.000	4800.00	625.25	0.00	.01	0.00	235.50	5.00
317260.000	10400.00	631.29	0.00	.01	0.00	345.80	5.00
317260.000	14200.00	634.12	0.00	.01	0.00	369.68	5.00
317260.000	30800.00	642.37	8.24	.01	0.00	476.41	5.00
317270.000	4800.00	625.26	0.00	.01	0.00	235.72	10.00
317270.000	10400.00	631.30	0.00	.01	0.00	345.99	10.00
317270.000	14200.00	634.14	0.00	.01	0.00	369.84	10.00
317270.000	30800.00	642.38	8.24	.01	0.00	476.56	10.00
323715.000	4650.00	630.46	0.00	5.20	0.00	344.27	6445.00
323715.000	10400.00	636.34	0.00	5.04	0.00	444.43	6445.00
323715.000	14200.00	639.17	0.00	5.03	0.00	511.32	6445.00
323715.000	30800.00	647.52	8.35	5.15	0.00	685.74	6445.00
323815.000	4650.00	630.52	0.00	.06	0.00	345.29	100.00
323815.000	10400.00	636.40	0.00	.06	0.00	445.87	100.00
323815.000	14200.00	639.23	0.00	.06	0.00	513.05	100.00
323815.000	30800.00	647.58	8.35	.06	0.00	687.24	100.00
323816.000	4650.00	630.52	0.00	.01	0.00	188.47	1.00
323816.000	10400.00	636.37	0.00	.04	0.00	209.15	1.00
323816.000	14200.00	639.17	0.00	.06	0.00	217.45	1.00
323816.000	30800.00	647.54	8.37	.05	0.00	864.61	1.00
323844.000	4650.00	630.55	0.00	.03	0.00	188.57	28.00
323844.000	10400.00	636.40	0.00	.04	0.00	209.26	28.00
323844.000	14200.00	639.21	0.00	.04	0.00	217.48	28.00
323844.000	30800.00	647.58	8.37	.04	0.00	866.18	28.00
323845.000	4650.00	630.55	0.00	.03	0.00	345.56	1.00
323845.000	10400.00	636.48	0.00	.07	0.00	447.26	1.00
323845.000	14200.00	639.34	0.00	.13	0.00	515.60	1.00
323845.000	30800.00	647.68	8.33	.10	0.00	688.82	1.00
323945.000	4650.00	630.61	0.00	.06	0.00	346.92	100.00
323945.000	10400.00	636.54	0.00	.06	0.00	446.47	100.00
323945.000	14200.00	639.40	0.00	.06	0.00	517.05	100.00
323945.000	30800.00	647.74	8.33	.06	0.00	689.93	100.00
324500.000	4650.00	630.93	0.00	.33	0.00	340.42	555.00
324500.000	10400.00	636.86	0.00	.32	0.00	443.73	555.00
324500.000	14200.00	639.72	0.00	.32	0.00	507.60	555.00
324500.000	30800.00	648.05	8.33	.32	0.00	682.76	555.00
325000.000	4650.00	631.26	0.00	.33	0.00	339.04	500.00
325000.000	10400.00	637.18	0.00	.32	0.00	434.90	500.00
325000.000	14200.00	640.05	0.00	.31	0.00	500.38	500.00
325000.000	30800.00	648.36	8.33	.30	0.00	677.14	500.00
326000.000	4650.00	632.00	0.00	.74	0.00	326.72	1000.00
326000.000	10400.00	637.88	0.00	.70	0.00	426.86	1000.00
326000.000	14200.00	640.71	0.00	.68	0.00	487.72	1000.00
326000.000	30800.00	649.01	8.30	.65	0.00	666.95	1000.00

SECNC	Q	CHSEL	DIFWSP	DIFWSX	DIFWNS	TOPMIU	XLCH
332895.000	4000.00	638.10	0.00	0.18	0.00	277.47	6895.00
332895.000	10300.00	643.71	0.00	5.83	0.00	332.68	6895.00
332895.000	14100.00	646.44	0.00	5.73	0.00	357.17	6895.30
332895.000	30000.00	654.63	8.19	5.62	0.00	496.27	6895.00
332945.000	4600.00	638.23	0.00	.05	0.00	278.22	50.00
332945.000	10300.00	643.76	0.00	.05	0.00	332.49	50.00
332945.000	14100.00	646.49	0.00	.05	0.00	357.83	50.00
332945.000	30000.00	654.86	8.17	.05	0.00	497.43	50.00
332946.000	4600.00	638.24	0.00	.01	0.00	171.80	1.00
332946.000	10300.00	643.72	0.00	-.03	0.00	195.12	1.00
332946.000	14100.00	646.43	0.00	-.08	0.00	199.09	1.00
332946.000	30000.00	654.69	8.17	-.08	0.00	511.36	1.00
332974.000	4600.00	638.29	0.00	.02	0.00	172.82	20.00
332974.000	10300.00	643.79	0.00	.07	0.00	195.43	20.00
332974.000	14100.00	646.51	0.00	.08	0.00	199.10	20.00
332974.000	30000.00	654.68	8.18	.08	0.00	594.69	20.00
332975.000	4600.00	638.29	0.00	-.08	0.00	279.42	1.00
332975.000	10300.00	643.87	0.00	.07	0.00	333.39	1.00
332975.000	14100.00	646.63	0.00	.12	0.00	359.92	1.00
332975.000	30000.00	654.85	8.22	.17	0.00	501.46	1.00
333275.000	4600.00	638.39	0.00	-.10	0.00	281.15	100.00
333275.000	10300.00	643.98	0.00	.11	0.00	334.25	100.00
333275.000	14100.00	646.74	0.00	.11	0.00	361.42	100.00
333275.000	29000.00	654.98	8.24	.13	0.00	504.39	100.00
348000.000	4600.00	647.63	0.00	9.24	0.00	382.88	14925.00
348000.000	10000.00	653.99	0.00	9.12	0.00	658.31	14925.00
348000.000	13800.00	655.85	0.00	9.11	0.00	728.48	14925.00
348000.000	29000.00	663.88	8.03	8.98	0.00	889.07	14925.00
358405.000	4600.00	652.39	0.00	4.76	0.00	665.29	10405.00
358405.000	10000.00	657.39	0.00	4.30	0.00	846.29	10405.00
358405.000	13800.00	659.95	0.00	4.11	0.00	1020.21	10405.00
358405.000	29000.00	667.48	7.51	3.59	0.00	1367.21	10405.00
358605.000	4600.00	652.49	0.00	.10	0.00	668.57	200.00
358605.000	10000.00	657.47	0.00	.08	0.00	849.24	200.00
358605.000	13800.00	659.84	0.00	.07	0.00	1025.24	200.00
358605.000	29000.00	667.53	7.58	.89	0.00	1369.20	200.00
358634.000	4600.00	652.40	0.00	-.09	0.00	165.37	1.00
358634.000	10000.00	657.31	0.00	-.10	0.00	192.08	1.00
358634.000	13800.00	659.82	0.00	-.21	0.00	198.74	1.00
358634.000	29000.00	667.44	7.62	-.09	0.00	1361.68	1.00
358634.000	4600.00	652.49	0.00	.68	0.00	165.82	20.00
358634.000	10000.00	657.42	0.00	.11	0.00	192.88	20.00
358634.000	13800.00	659.95	0.00	.13	0.00	198.80	20.00
358634.000	29000.00	667.51	7.50	.07	0.00	1364.68	20.00

S.CNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKNS	TOPWID	XLCH
358635.000	4000.00	652.66	0.00	.18	0.00	675.00	1.00
358635.000	10000.00	697.74	0.00	.32	0.00	898.93	1.00
358635.000	13000.00	662.37	0.00	.42	0.00	1042.34	1.00
358635.000	20000.00	657.70	7.33	.18	0.00	1374.71	1.00
358835.000	4200.00	652.75	0.00	.09	0.00	678.16	200.00
358835.000	9500.00	657.81	0.00	.07	0.00	861.45	200.00
358835.000	13000.00	660.44	0.00	.07	0.00	1049.79	200.00
358835.000	20000.00	667.75	7.32	.06	0.00	1376.06	200.00
366550.000	3600.00	655.91	0.00	3.16	0.00	467.02	7715.00
366550.000	8500.00	660.62	0.00	2.80	0.00	778.94	7715.00
366550.000	11800.00	663.03	0.00	2.59	0.00	845.57	7715.00
366550.000	25500.00	670.14	7.11	2.39	0.00	1056.78	7715.00
374828.000	3600.00	660.90	0.00	4.98	0.00	687.25	8278.00
374828.000	8500.00	664.63	0.00	4.02	0.00	1015.69	8278.00
374828.000	11800.00	666.70	0.00	3.57	0.00	1042.16	8278.00
374828.000	25500.00	673.28	6.58	3.14	0.00	1392.28	8278.00
374978.000	3800.00	661.00	0.00	.10	0.00	690.86	150.00
374978.000	8500.00	664.71	0.00	.07	0.00	1018.50	150.00
374978.000	11800.00	666.76	0.00	.07	0.00	1094.79	150.00
374978.000	25500.00	673.33	6.57	.05	0.00	1395.78	150.00
374979.000	3800.00	660.73	0.00	-.27	0.00	154.19	1.00
374979.000	8500.00	664.26	0.00	-.45	0.00	175.59	1.00
374979.000	11800.00	666.23	0.00	-.53	0.00	587.65	1.00
374979.000	25500.00	673.27	7.04	-.06	0.00	1809.59	1.00
375021.000	3800.00	661.06	0.00	.33	0.00	155.94	42.00
375021.000	8500.00	664.28	0.00	.42	0.00	177.40	42.00
375021.000	11800.00	666.73	0.00	.50	0.00	785.18	42.00
375021.000	25500.00	673.34	6.61	.07	0.00	1812.54	42.00
375022.000	3800.00	661.54	0.00	.48	0.00	911.08	1.00
375022.000	8500.00	665.49	0.00	.81	0.00	1047.62	1.00
375022.000	11800.00	667.63	0.00	.90	0.00	1127.69	1.00
375022.000	25500.00	673.46	5.82	.11	0.00	1401.22	1.00
375200.000	3100.00	661.62	0.00	.08	0.00	913.88	178.00
375200.000	6500.00	665.55	0.00	.06	0.00	1049.84	178.00
375200.000	9000.00	667.59	0.00	.05	0.00	1129.23	178.00
375200.000	18000.00	673.53	5.83	.07	0.00	1404.16	178.00
376045.000	3100.00	661.71	0.00	.09	0.00	2511.48	845.00
376045.000	6500.00	665.62	0.00	.07	0.00	3165.32	845.00
376045.000	9000.00	667.75	0.00	.06	0.00	3334.49	845.00
376045.000	18000.00	673.59	5.83	.06	0.00	3940.43	845.00
376145.000	3100.00	661.71	0.00	.00	0.00	2513.75	100.00
376145.000	6500.00	665.62	0.00	.00	0.00	3166.84	100.00
376145.000	9000.00	667.76	0.00	.00	0.00	3335.33	100.00
376145.000	18000.00	673.59	5.83	.00	0.00	3940.97	100.00

SECNO	Q	CWSEL	DIFWSP	DIFNGX	DIFKNC	TOPWID	XLCH
376146.000	3100.00	661.68	0.00	-.03	0.00	458.73	1.00
376146.000	6500.00	665.59	0.00	-.03	0.00	480.76	1.00
376146.000	9000.00	667.72	0.00	-.03	0.00	866.00	1.00
376146.000	18000.00	673.56	5.83	-.03	0.00	866.00	1.00
376174.000	3100.00	661.74	0.00	.00	0.00	459.96	28.00
376174.000	6500.00	665.62	0.00	.03	0.00	480.77	28.00
376174.000	9000.00	667.75	0.00	.03	0.00	866.00	28.00
376174.000	18000.00	673.57	5.82	.02	0.00	866.00	28.00
376175.000	3100.00	661.80	0.00	.06	0.00	2531.12	1.00
376175.000	6500.00	665.69	0.00	.00	0.00	3170.75	1.00
376175.000	9000.00	667.82	0.00	.06	0.00	3339.42	1.00
376175.000	18000.00	673.64	5.82	.06	0.00	3943.45	1.00
376250.000	3100.00	661.80	0.00	.00	0.00	2931.79	75.00
376250.000	6500.00	665.69	0.00	.00	0.00	3170.92	75.00
376250.000	9000.00	667.82	0.00	.00	0.00	3339.57	75.00
376250.000	18000.00	673.64	5.82	.00	0.00	3943.54	75.00
376325.000	3100.00	661.78	0.00	-.02	0.00	298.13	75.00
376325.000	6500.00	665.60	0.00	-.00	0.00	1340.73	75.00
376325.000	9000.00	667.81	0.00	-.00	0.00	1458.45	75.00
376325.000	18000.00	673.63	5.82	-.01	0.00	1676.53	75.00
376326.000	3100.00	661.70	0.00	-.02	0.00	273.09	1.00
376326.000	6500.00	665.63	0.00	-.05	0.00	399.95	1.00
376326.000	9000.00	667.77	0.00	-.03	0.00	850.36	1.00
376326.000	18000.00	673.62	5.82	-.02	0.00	1804.44	1.00
376354.000	3100.00	661.82	0.00	.02	0.00	273.74	28.00
376354.000	6500.00	665.68	0.00	.05	0.00	416.78	28.00
376354.000	9000.00	667.81	0.00	.04	0.00	855.52	28.00
376354.000	18000.00	673.63	5.83	.02	0.00	1804.72	28.00
376355.000	3100.00	661.80	0.00	.04	0.00	299.42	1.00
376355.000	6500.00	665.79	0.00	.11	0.00	1390.37	1.00
376355.000	9000.00	667.96	0.00	.09	0.00	461.55	1.00
376355.000	18000.00	673.67	5.77	.04	0.00	1679.47	1.00
376455.000	3000.00	661.94	0.00	.08	0.00	992.	100.00
376455.000	6300.00	665.80	0.00	.07	0.00	1352.05	100.00
376455.000	8700.00	667.92	0.00	.01	0.00	1462.82	100.00
376455.000	17500.00	673.68	5.70	.01	0.00	1688.50	100.00
385000.000	2800.00	668.13	0.00	4.73	0.00	789.82	8545.00
385000.000	6800.00	668.55	0.00	2.75	0.00	803.61	8545.00
385000.000	8100.00	670.89	0.00	2.17	0.00	812.20	8545.00
385000.000	10000.00	675.17	5.09	1.49	0.00	837.93	8545.00
390680.000	2500.00	671.11	0.00	4.78	0.00	797.29	5680.00
390680.000	6000.00	673.37	0.00	4.82	0.00	809.76	5680.00
390680.000	8100.00	674.56	0.00	4.48	0.00	816.00	5680.00
390680.000	16000.00	678.63	4.07	3.46	0.00	836.46	5680.00

SecNO	Q	CMSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
401630.000	2800.00	681.59	0.00	10.48	0.00	849.75	10990.00
401630.000	6000.00	683.05	0.00	10.29	0.00	1069.41	10990.00
401630.000	8100.00	684.70	0.00	10.14	0.00	1100.77	10990.00
401630.000	16000.00	687.79	3.09	9.16	0.00	1220.66	10990.00
408560.000	2800.00	688.42	0.00	6.83	0.00	844.64	6936.00
408560.000	6000.00	690.55	0.00	5.89	0.00	899.29	6936.00
408560.000	8100.00	691.61	0.00	6.91	0.00	926.66	6936.00
408560.000	16000.00	694.72	3.11	6.92	0.00	1016.13	6936.00
408660.000	2800.00	686.48	0.00	.06	0.00	846.07	100.00
408660.000	6000.00	690.62	0.00	.07	0.00	901.03	100.00
408660.000	8100.00	691.69	0.00	.08	0.00	926.51	100.00
408660.000	16000.00	694.81	3.12	.09	0.00	1019.02	100.00
408667.000	2800.00	688.32	0.00	-.15	0.00	121.29	1.00
408667.000	6000.00	690.24	0.00	-.38	0.00	490.33	1.00
408667.000	8100.00	691.30	0.00	-.38	0.00	597.68	1.00
408667.000	16000.00	694.57	3.26	-.24	0.00	891.92	1.00
408693.000	2800.00	688.47	0.00	.14	0.00	121.40	26.00
408693.000	6000.00	690.20	0.00	.36	0.00	523.70	26.00
408693.000	8100.00	691.69	0.00	.39	0.00	638.16	26.00
408693.000	16000.00	694.78	3.39	.21	0.00	867.00	26.00
408694.000	2800.00	686.77	0.00	.30	0.00	893.52	1.00
408694.000	6000.00	691.24	0.00	.63	0.00	916.94	1.00
408694.000	8100.00	692.31	0.00	.62	0.00	944.52	1.00
408694.000	16000.00	695.21	2.90	.44	0.00	1031.60	1.00
408810.000	2800.00	688.82	0.00	.58	0.00	894.89	122.00
408810.000	6000.00	691.30	0.00	.06	0.00	918.47	122.00
408810.000	8100.00	692.38	0.00	.07	0.00	946.24	122.00
408810.000	16000.00	695.36	2.93	.09	0.00	1033.80	122.00
409000.000	2800.00	688.90	0.00	.08	0.00	891.80	184.00
409000.000	6000.00	691.39	0.00	.09	0.00	915.63	184.00
409000.000	8100.00	692.46	0.00	.10	0.00	943.68	184.00
409000.000	16000.00	695.44	2.96	.13	0.00	1032.19	184.00
410000.000	2800.00	689.47	0.00	.57	0.00	773.93	1000.00
410000.000	6000.00	691.97	0.00	.58	0.00	899.76	1000.00
410000.000	8100.00	693.11	0.00	.63	0.00	929.01	1000.00
410000.000	16000.00	696.22	3.11	.76	0.00	1019.17	1000.00
411000.000	2800.00	690.30	0.00	.83	0.00	725.26	1000.00
411000.000	6000.00	692.74	0.00	.77	0.00	868.66	1000.00
411000.000	8100.00	693.90	0.00	.79	0.00	918.43	1000.00
411000.000	16000.00	697.10	3.21	.80	0.00	1008.39	1000.00
415300.000	2800.00	692.95	0.00	2.55	0.00	1019.25	4300.00
415300.000	6000.00	695.31	0.00	2.57	0.00	1147.29	4300.00
415300.000	8100.00	696.50	0.00	2.21	0.00	1224.81	4300.00
415300.000	16000.00	699.89	3.39	2.79	0.00	1355.34	4300.00

SECH0	Q	CMSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
420328.000	2500.00	697.71	0.00	4.76	0.00	696.49	5028.00
420328.000	5200.00	699.48	0.00	4.17	0.00	995.70	5028.00
420328.000	7000.00	700.48	0.00	3.95	0.00	1092.64	5028.00
420328.000	13400.00	703.44	2.95	3.54	0.00	1343.80	5028.00
425357.000	2500.00	703.77	0.00	6.06	0.00	1033.38	5029.00
425357.000	5200.00	705.44	0.00	5.96	0.00	1196.62	5029.00
425357.000	7000.00	706.29	0.00	5.80	0.00	1274.32	5029.00
425357.000	13400.00	708.61	2.32	5.17	6.00	1419.39	5029.00
425507.000	2500.00	703.84	0.00	.07	0.00	1040.16	150.00
425507.000	5200.00	705.54	0.00	.09	0.00	1206.30	150.00
425507.000	7000.00	706.39	0.00	.10	0.00	1281.81	150.00
425507.000	13400.00	708.72	2.34	.12	0.00	1425.78	150.00
425508.000	2500.00	703.72	0.00	-.12	0.00	70.62	1.00
425508.000	5200.00	705.41	0.00	-.12	0.00	970.96	1.00
425508.000	7000.00	706.31	0.00	-.07	0.00	1075.10	1.00
425508.000	13400.00	708.70	2.39	-.03	0.00	1311.07	1.00
425532.000	2500.00	704.23	0.00	.51	0.00	245.51	24.00
425532.000	5200.00	706.50	0.00	1.09	0.00	1093.93	24.00
425532.000	7000.00	706.88	0.00	.49	0.00	1124.28	24.00
425532.000	13400.00	708.85	2.04	.15	0.00	1326.95	24.00
425533.000	2500.00	705.05	0.00	.83	0.00	1157.96	1.00
425533.000	5200.00	706.77	0.00	.27	0.00	1310.48	1.00
425533.000	7000.00	707.15	0.00	.34	0.00	1333.30	1.00
425533.000	13400.00	709.05	1.90	.20	0.00	1444.85	1.00
425603.000	2500.00	705.07	0.00	.01	0.00	1150.11	70.00
425603.000	5200.00	706.79	0.00	.02	0.00	1311.97	70.00
425603.000	7000.00	707.18	0.00	.03	0.00	1335.93	70.00
425603.000	13400.00	709.09	1.92	.05	0.00	1447.51	70.00
429000.000	2500.00	706.77	0.00	1.70	0.00	852.36	3397.00
429000.000	5200.00	708.05	0.00	2.00	0.00	929.50	3397.00
429000.000	7000.00	709.81	0.00	2.63	0.00	964.83	3397.00
429000.000	13400.00	712.40	2.59	3.30	0.00	1068.29	3397.00
433200.000	2500.00	712.85	0.00	6.09	0.00	918.70	4200.00
433200.000	5200.00	714.44	0.00	5.60	0.00	977.39	4200.00
433200.000	7000.00	715.34	0.00	5.53	0.00	1010.42	4200.00
433200.000	13400.00	717.88	2.54	5.48	0.00	1104.67	4200.00
433563.000	2200.00	713.17	0.00	.52	0.00	502.13	363.00
433563.000	4600.00	714.85	0.00	.41	0.00	645.47	363.00
433563.000	6100.00	715.76	0.00	.42	0.00	718.39	363.00
433563.000	11500.00	718.32	2.56	.44	0.00	900.02	363.00
433927.000	2200.00	713.98	0.00	.31	0.00	479.29	364.00
433927.000	4600.00	715.79	0.00	.94	0.00	640.51	364.00
433927.000	6100.00	716.68	0.00	.92	0.00	712.02	364.00
433927.000	11500.00	719.15	2.47	.83	0.00	891.06	364.00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKNS	TOPWID	XLCN
434027.000	2200.00	714.23	0.00	.29	0.00	589.29	100.00
434027.000	4600.00	716.86	0.00	.27	0.00	661.85	100.00
434027.000	6100.00	716.95	0.00	.27	0.00	732.99	100.00
434027.000	11500.00	719.46	2.44	.25	0.00	903.42	100.00
434029.000	2200.00	714.15	0.00	-.08	0.00	73.56	1.00
434029.000	4600.00	715.82	0.00	-.25	0.00	74.85	1.00
434029.000	6100.00	716.59	0.00	-.36	0.00	75.44	1.00
434029.000	11500.00	719.92	3.33	.52	0.00	266.29	1.00
434052.000	2200.00	714.42	0.00	.27	0.00	73.84	24.00
434052.000	4600.00	716.58	0.00	.76	0.00	75.42	24.00
434052.000	6100.00	717.87	0.00	1.29	0.00	373.23	24.00
434052.000	11500.00	721.97	4.10	2.06	0.00	974.84	24.00
434053.000	2200.00	715.11	0.00	.70	0.00	586.28	1.00
434053.000	4600.00	718.33	0.00	1.75	0.00	837.22	1.00
434053.000	6100.00	720.13	0.00	2.26	0.00	942.68	1.00
434053.000	11500.00	722.52	2.39	.55	0.00	1086.83	1.00
434133.000	2200.00	715.18	0.00	.08	0.00	592.77	83.00
434133.000	4600.00	716.38	0.00	.05	0.00	840.82	83.00
434133.000	6100.00	720.17	0.00	.03	0.00	943.88	83.00
434133.000	11500.00	721.57	2.40	.05	0.00	1089.79	83.00
435500.000	2200.00	715.96	0.00	.77	0.00	914.79	1367.00
435500.000	4600.00	718.70	0.00	.52	0.00	1049.49	1367.00
435500.000	6100.00	720.37	0.00	.41	0.00	1139.80	1367.00
435500.000	11500.00	723.14	2.56	.57	0.00	1230.08	1367.00
436850.000	2200.00	716.48	0.00	.52	0.00	886.62	1350.00
436850.000	4600.00	719.26	0.00	.37	0.00	1059.30	1350.00
436850.000	6100.00	720.87	0.00	.30	0.00	1136.62	1350.00
436850.000	11500.00	723.54	2.60	.40	0.00	1218.25	1350.00
443926.000	2100.00	724.14	0.00	7.66	0.00	210.29	7076.00
443926.000	4400.00	725.19	0.00	.92	0.00	247.73	7076.00
443926.000	5800.00	725.82	0.00	4.75	0.00	263.33	7076.00
443926.000	10700.00	728.97	3.35	5.43	0.00	888.69	7076.00
444086.000	2100.00	725.20	0.00	1.06	0.00	86.93	160.00
444086.000	4400.00	727.13	0.00	1.54	0.00	14.14	160.00
444086.000	5800.00	728.05	0.00	2.43	0.00	97.50	160.00
444086.000	10700.00	729.16	1.10	.18	0.00	101.74	160.00
444087.000	2100.00	725.19	0.00	-.01	0.00	84.51	1.00
444087.000	4400.00	727.11	0.00	-.02	0.00	92.24	1.00
444087.000	5800.00	728.02	0.00	-.03	0.00	95.95	1.00
444087.000	10700.00	729.05	1.00	-.11	0.00	100.10	1.00
444113.000	2100.00	725.39	0.00	.21	0.00	85.31	26.00
444113.000	4400.00	727.52	0.00	.41	0.00	93.90	26.00
444113.000	5800.00	728.55	0.00	.53	0.00	98.09	26.00
444113.000	10700.00	730.93	2.38	1.89	0.00	108.11	26.00



SECNO	Q	CMSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
444114.000	2100.00	725.43	0.00	.04	0.00	87.81	1.00
444114.000	4400.00	727.59	0.00	.08	0.00	95.90	1.00
444114.000	5800.00	728.65	0.00	.10	0.00	99.84	1.00
444114.000	10700.00	731.14	2.49	.21	0.00	108.61	1.00
444234.000	2100.00	725.96	0.00	.53	0.00	462.30	120.00
444234.000	4400.00	726.58	0.00	.78	0.00	873.35	120.00
444234.000	5800.00	729.66	0.00	1.21	0.00	922.71	120.00
444234.000	10700.00	733.28	3.41	2.13	0.00	1001.63	120.00
447585.000	2100.00	728.53	0.00	2.67	0.00	905.54	3351.00
447585.000	4400.00	730.79	0.00	2.21	0.00	995.51	3351.00
447585.000	5800.00	731.86	0.00	1.99	0.00	1040.16	3351.00
447585.000	10700.00	734.92	3.06	1.64	0.00	1167.53	3351.00
* 454970.000	2000.00	737.79	0.00	9.16	0.00	206.24	7385.00
* 454970.000	4200.00	739.57	0.00	8.78	0.00	422.03	7385.00
* 454970.000	5500.00	739.98	0.00	8.13	0.00	437.05	7385.00
454970.000	10200.00	742.22	2.23	7.30	0.00	507.02	7385.00
455020.000	2000.00	739.41	0.00	1.62	0.00	417.43	50.00
455020.000	4200.00	740.87	0.00	1.31	0.00	467.29	50.00
455020.000	5500.00	741.49	0.00	1.51	0.00	486.59	50.00
455020.000	10200.00	743.05	1.56	.84	0.00	530.74	50.00
455021.000	2000.00	739.24	0.00	1.17	0.00	39.83	1.00
* 455021.000	4200.00	742.20	0.00	1.32	0.00	431.81	1.00
* 455021.000	5500.00	742.95	0.00	1.46	0.00	480.90	1.00
* 455021.000	10200.00	744.39	1.44	1.34	0.00	574.47	1.00
455039.000	2000.00	739.55	0.00	.41	0.00	40.14	18.00
455039.000	4200.00	743.82	0.00	1.62	0.00	537.86	18.00
455039.000	5500.00	744.36	0.00	1.41	0.00	571.06	18.00
455039.000	10200.00	746.12	1.76	1.73	0.00	662.42	18.00
455040.000	2000.00	741.19	0.00	1.54	0.00	477.90	1.00
455040.000	4200.00	744.36	0.00	.94	0.00	567.69	1.00
455040.000	5500.00	744.99	0.00	.60	0.00	585.30	1.00
455040.000	10200.00	746.76	1.79	.65	0.00	637.85	1.00
455080.000	2000.00	741.23	0.00	.04	0.00	479.31	40.00
455080.000	4200.00	744.39	0.00	.03	0.00	568.40	40.00
455080.000	5500.00	745.02	0.00	.03	0.00	586.19	40.00
455080.000	10200.00	746.84	1.82	.06	0.00	636.65	40.00
457000.000	2000.00	742.72	0.00	1.48	0.00	539.26	1920.00
457000.000	4200.00	745.54	0.00	1.15	0.00	579.38	1920.00
457000.000	5500.00	746.12	0.00	1.40	0.00	591.95	1920.00
457000.000	10200.00	748.13	2.51	2.18	0.00	627.59	1920.00
457750.000	2000.00	743.34	0.00	.52	0.00	525.87	756.00
457750.000	4200.00	746.34	0.00	.50	0.00	565.16	756.00
457750.000	5500.00	746.98	0.00	.56	0.00	578.51	756.00
457750.000	10200.00	749.65	2.67	.71	0.00	616.44	756.00

1303

SECNO	Q	CWSEL	DIFWSP	DIFMSX	DIFKMS	TOPWID	XLCH
459482.000	2000.00	748.18	0.00	2.78	0.00	549.30	1728.00
459482.000	4200.00	748.14	0.00	2.11	0.00	546.66	1728.00
459482.000	5500.00	749.23	0.00	2.15	0.00	560.56	1728.00
459482.000	10200.00	751.93	2.60	2.28	0.00	600.51	1728.00
461210.000	2000.00	749.66	0.00	3.55	0.00	514.72	1728.00
461210.000	4200.00	751.46	0.00	1.32	0.00	545.63	1728.00
461210.000	5500.00	752.34	0.00	3.21	0.00	558.89	1728.00
461210.000	10200.00	754.98	2.64	3.05	0.00	595.56	1728.00
461300.000	2000.00	749.82	0.00	.16	0.00	520.63	90.00
461300.000	4200.00	751.63	0.00	.17	0.00	548.06	90.00
461300.000	5500.00	752.31	0.00	.17	0.00	563.49	90.00
461300.000	10200.00	755.15	2.64	.17	0.00	597.97	90.00
461300.000	2000.00	750.12	0.00	.30	0.00	525.18	200.00
461300.000	4200.00	751.96	0.00	.33	0.00	551.30	200.00
461300.000	5500.00	752.85	0.00	.34	0.00	563.97	200.00
461300.000	10200.00	755.58	2.64	.34	0.00	601.52	200.00
462000.000	2000.00	750.78	0.00	.58	0.00	538.55	500.00
462000.000	4200.00	752.63	0.00	.57	0.00	557.95	500.00
462000.000	5500.00	753.55	0.00	.59	0.00	570.97	500.00
462000.000	10200.00	756.24	2.64	.74	0.00	609.16	500.00
463000.000	2000.00	751.03	0.00	.83	0.00	538.58	1000.00
463000.000	4200.00	753.61	0.00	.90	0.00	566.73	1000.00
463000.000	5500.00	754.58	0.00	1.04	0.00	580.82	1000.00
463000.000	10200.00	757.39	2.81	1.16	0.00	619.91	1000.00
464000.000	2000.00	752.17	0.00	.64	0.00	548.03	1000.00
464000.000	4200.00	754.38	0.00	.76	0.00	571.39	1000.00
464000.000	5500.00	755.40	0.00	.81	0.00	585.88	1000.00
464000.000	10200.00	756.32	2.92	.93	0.00	627.42	1000.00
465000.000	2000.00	752.72	0.00	.55	0.00	542.24	1000.00
465000.000	4200.00	755.03	0.00	.85	0.00	574.98	1000.00
465000.000	5500.00	756.09	0.00	.69	0.00	598.05	1000.00
465000.000	10200.00	759.11	3.02	.86	0.00	633.58	1000.00
469553.000	1800.00	756.28	0.00	3.35	0.00	530.60	4553.00
469553.000	3600.00	758.64	0.00	3.61	0.00	697.97	4553.00
469553.000	5400.00	759.71	0.00	3.52	0.00	838.78	4553.00
469553.000	9400.00	762.68	2.98	3.57	0.00	949.63	4553.00
469703.000	1800.00	756.51	0.00	.23	0.00	66.90	150.00
469703.000	3600.00	758.61	0.00	-.03	0.00	77.82	150.00
469703.000	5400.00	759.50	0.00	-.20	0.00	81.16	150.00
469703.000	9400.00	762.65	3.35	.15	0.00	958.64	150.00
469704.000	1800.00	756.42	0.00	-.09	0.00	63.01	1.00
469704.000	3600.00	758.32	0.00	-.29	0.00	75.23	1.00
469704.000	5400.00	759.07	0.00	-.44	0.00	78.47	1.00
469704.000	9400.00	760.71	1.64	-2.12	0.00	85.58	1.00

SECNO	Q	CHSEL	DIFWSP	DIFMSX	DIFKWS	TOPWID	XLCH
469736.000	1800.00	756.62	0.00	.20	0.00	65.19	32.00
469736.000	3600.00	758.93	0.00	.61	0.09	77.66	32.00
469736.000	5400.00	760.03	0.00	.94	0.00	82.58	32.00
469736.000	9400.00	764.00	3.97	3.29	0.00	99.23	33.00
469737.000	1800.00	756.83	0.00	.21	0.00	69.71	1.00
469737.000	3600.00	759.56	0.00	.52	0.00	81.18	1.00
469737.000	5400.00	760.80	0.00	.77	0.00	85.99	1.00
469737.000	9400.00	764.93	4.13	.93	0.00	86.03	1.00
469837.000	1800.00	757.24	0.00	.51	0.00	661.40	100.00
469837.000	3600.00	760.27	0.00	.76	0.00	664.41	100.00
469837.000	5400.00	761.74	0.00	.94	0.00	911.67	100.00
469837.000	9400.00	766.37	4.63	1.44	0.00	1425.62	100.00
470920.000	1800.00	758.33	0.00	1.09	0.00	720.37	1083.00
470920.000	3600.00	760.89	0.00	.63	0.00	806.57	1083.00
470920.000	5400.00	762.24	0.00	.5	0.00	851.53	1083.00
470920.000	9400.00	766.65	4.41	.26	0.00	1192.93	1083.00
473204.000	1760.00	762.13	0.00	3.80	0.00	705.57	2284.00
473204.000	3650.00	763.44	0.00	2.52	0.00	781.29	2284.00
473204.000	4800.00	764.26	0.00	2.04	0.00	1086.07	2284.00
473204.000	9600.00	767.65	3.37	1.00	0.00	1264.66	2284.00
473404.000	1760.00	762.53	0.00	.39	0.00	170.00	200.00
473404.000	3650.00	763.87	0.00	.43	0.00	170.00	200.00
473404.000	4800.00	764.61	0.00	.33	0.00	170.00	200.00
473404.000	9600.00	767.61	3.00	-1.04	0.00	170.00	200.00
473405.000	1760.00	762.49	0.00	-.04	0.00	162.73	1.00
473405.000	3650.00	763.82	0.00	-.05	0.00	172.28	1.00
473405.000	4800.00	764.56	0.00	-.05	0.00	177.09	1.00
473405.000	9600.00	767.60	3.04	-.01	0.00	197.59	1.00
473415.000	1760.00	762.58	0.00	.09	0.00	163.47	10.00
473415.000	3650.00	763.79	0.00	.17	0.00	173.22	10.00
473415.000	4800.00	764.76	0.00	.20	0.00	178.45	10.00
473415.000	9600.00	767.78	3.02	.16	0.00	192.29	10.00
473416.000	1760.00	762.66	0.00	.06	0.00	170.00	1.00
473416.000	3650.00	764.11	0.00	.12	0.00	170.00	1.00
473416.000	4800.00	764.88	0.00	.12	0.00	170.00	1.00
473416.000	9600.00	767.81	2.73	-.03	0.00	170.00	1.00
473610.000	1760.00	762.99	0.00	.32	0.00	915.00	200.00
473610.000	3650.00	764.63	0.00	.52	0.00	1118.90	200.00
473610.000	4800.00	765.49	0.00	.61	0.00	1164.60	200.00
473610.000	9600.00	769.00	3.10	.79	0.00	1290.15	200.00
476070.000	1760.00	765.61	0.00	2.63	0.00	371.26	2454.00
476070.000	3650.00	767.41	0.00	2.76	0.00	413.09	2454.00
476070.000	4800.00	768.22	0.00	2.72	0.00	431.83	2454.00
476070.000	9600.00	770.67	2.45	2.08	0.00	486.62	2454.00

SECNO	Q	CASEL	DIFNSP	DIFNSK	DIFMKS	TOPWID	XLCH
477310.000	1700.00	766.63	0.00	1.02	0.00	604.93	1000.00
477310.000	3650.00	766.60	0.00	1.10	0.00	365.89	1000.00
477310.200	4800.00	769.59	0.00	1.28	0.00	080.26	1000.00
477310.000	9000.00	772.13	2.63	1.46	0.00	713.12	1000.00
478530.000	1700.00	767.64	0.00	1.01	0.00	859.39	1400.00
478530.000	3650.00	769.53	0.00	.94	0.00	1328.62	1400.00
478530.200	4800.00	770.41	0.00	.91	0.00	1540.39	1400.00
478530.000	9000.00	772.09	2.55	.83	0.00	1667.18	1400.00
479000.000	1700.00	768.16	0.00	.52	0.00	826.55	470.00
479000.000	3650.00	769.92	0.00	.39	0.00	1199.92	470.00
479000.000	4800.00	770.75	0.00	.34	0.00	1430.88	470.00
479000.000	9000.00	773.21	2.40	.25	0.00	1638.63	470.00
479500.000	1700.00	768.56	0.00	.30	0.00	811.49	500.00
479500.000	3650.00	770.53	0.00	.1	0.00	1016.00	500.00
479500.000	4800.00	771.29	0.00	.51	0.00	1290.04	500.00
479500.000	9000.00	773.58	2.81	.52	0.00	1609.00	500.00
483884.000	1600.00	777.51	0.00	8.85	0.00	459.75	438.00
483884.000	3300.00	779.14	0.00	3.61	0.00	541.74	438.00
483884.000	4400.00	779.74	0.00	8.45	0.00	561.13	438.00
483884.000	8400.00	781.08	1.24	7.3	0.00	605.40	4394.00
483984.000	1600.00	778.05	0.00	.25	0.00	100.68	100.00
483984.000	3300.00	779.32	0.00	.18	0.00	107.55	100.00
483984.000	4400.00	779.84	0.00	.19	0.00	110.38	100.00
483984.000	8400.00	781.59	1.75	.51	0.00	620.54	100.00
483989.000	1600.00	778.60	0.00	.06	0.00	97.83	1.00
483989.000	3300.00	779.33	0.00	.01	0.00	109.26	1.00
483989.000	4400.00	779.85	0.00	.01	0.00	108.31	1.00
483989.000	8400.00	781.17	1.32	.42	0.00	115.95	1.00
484010.000	1600.00	778.35	0.00	.29	0.00	99.57	30.00
484010.000	3300.00	779.95	0.00	.62	0.00	108.88	30.00
484010.000	4400.00	780.77	0.00	.92	0.00	111.64	30.00
484010.000	8400.00	784.28	3.51	3.11	0.00	508.34	30.00
484010.000	1600.00	778.36	0.00	.03	0.00	102.47	1.00
484010.000	3300.00	780.52	0.00	.07	0.00	111.37	1.00
484010.000	4400.00	780.87	0.00	.10	0.00	119.92	1.00
484010.000	8400.00	785.20	4.34	.93	0.00	680.57	1.00
484110.000	1600.00	778.62	0.00	.64	0.00	530.50	100.00
484110.000	3300.00	780.78	0.00	.77	0.00	595.93	100.00
484110.000	4400.00	781.62	0.00	.95	0.00	627.29	100.00
484110.000	8400.00	785.26	3.72	.80	0.00	681.07	100.00
494711.000	1340.00	787.40	0.00	8.58	0.00	955.36	10595.00
494711.000	2750.00	789.36	0.00	8.98	0.00	618.73	10595.00
494711.000	3700.00	793.34	0.00	8.52	0.00	651.91	10595.00
494711.000	7000.00	792.87	2.93	7.61	0.00	650.55	10595.00

SECNO	Q	CHSEL	DIFNSP	DIFNSX	DIFNWS	TOPWIC	XLCH
494761.000	1348.00	787.29	0.00	7.11	0.00	33.00	50.00
494751.000	2750.00	708.88	0.00	7.49	0.00	33.00	50.00
494751.200	3700.00	709.52	0.00	7.84	0.00	33.00	50.00
494761.000	7000.00	792.91	3.40	7.63	0.00	491.00	70.00
494799.000	1348.00	707.33	0.00	7.04	0.00	33.00	38.00
494799.000	2750.00	709.09	0.00	7.17	0.00	33.00	38.00
494799.000	3700.00	709.67	0.00	7.57	0.00	33.00	38.00
494799.000	7000.00	795.09	6.02	7.99	0.00	1014.76	38.00
494849.000	1348.00	787.04	0.00	7.41	0.00	500.43	50.00
494849.000	2750.00	750.22	0.00	7.17	0.00	545.07	50.00
494849.000	3700.00	791.09	0.00	7.81	0.00	704.98	50.00
494849.000	7000.00	795.91	4.22	7.01	0.00	1015.34	50.00
495000.000	1348.00	787.40	0.00	7.09	0.00	592.90	151.00
495000.000	2750.00	790.29	0.00	7.07	0.00	633.91	151.00
495000.000	3700.00	791.04	0.00	7.00	0.00	720.77	151.00
495000.000	7000.00	795.94	4.00	7.04	0.00	993.33	151.00
495000.000	1348.00	788.40	0.00	7.53	0.00	307.63	500.00
495000.000	2750.00	790.60	0.00	7.19	0.00	507.50	500.00
495000.000	3700.00	792.05	0.00	7.31	0.00	632.00	500.00
495000.000	7000.00	795.11	4.00	7.17	0.00	919.27	500.00
496000.000	1348.00	789.70	0.00	7.30	0.00	282.11	500.00
496000.000	2750.00	791.60	0.00	7.92	0.00	350.52	500.00
496000.000	3700.00	792.73	0.00	7.80	0.00	595.97	500.00
496000.000	7000.00	794.43	3.70	7.02	0.00	840.57	500.00
497000.000	1348.00	793.33	0.00	7.53	0.00	275.04	1000.00
497000.000	2750.00	794.84	0.00	7.24	0.00	546.77	1000.00
497000.000	3700.00	795.50	0.00	7.77	0.00	508.39	1000.00
497000.000	7000.00	797.39	2.30	7.40	0.00	640.89	1000.00
502130.000	1110.00	808.49	0.00	7.15	0.00	421.14	5130.00
502130.000	2200.00	809.00	0.00	7.06	1.00	190.90	5130.00
502130.000	3000.00	810.50	0.00	7.33	0.00	404.03	5130.00
502130.000	5400.00	812.00	1.43	7.11	2.00	448.07	5130.00
505237.000	1110.00	810.92	0.00	7.47	0.00	301.90	2099.00
505237.000	2200.00	810.01	0.00	7.11	1.00	534.20	2099.00
505237.000	3000.00	820.92	0.00	7.04	0.00	804.00	2099.00
505237.000	5400.00	822.30	1.29	7.36	0.00	474.79	2099.00
505407.000	1110.00	820.60	0.00	7.09	0.00	440.19	250.00
505407.000	2200.00	820.00	0.00	7.09	0.00	457.60	250.00
505407.000	3000.00	821.43	0.00	7.92	0.00	497.30	250.00
505407.000	5400.00	823.10	1.29	7.02	0.00	493.11	250.00
505513.000	1110.00	820.00	0.00	7.00	0.00	70.70	26.00
505513.000	2200.00	822.23	0.00	7.43	0.00	51.00	26.00
505513.000	3000.00	824.79	0.00	7.30	0.00	510.67	26.00
505513.000	5400.00	825.99	1.20	7.17	0.00	536.70	26.00

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 M202 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,21,52  
 \*\*\*\*\*

THIS RUN EXECUTED 12 OCT 77 08.39

*good through 455080*

*\* 443926 - 454930 REVISED, ALSO  
 473616 - 484116 REVISED  
 SEE RETURNS*

C  
 T1 GUILFORD COUNTY FIA STUDY-100 YR FLOOD  
 T2 HAM RIVER (STREAM NO 44), NC 87 NR ALTA MAJAW TO GUILFORD-FORSYTH CO LINE  
 T3 SEP 1977 DLU

J1	SCHECK	INC	NINV	IDIN	STRT	METRIC	RVINS	Q	MSEL	FG
	-1.	0.	0.	0.	0.000000	0.00	0.0	0.	603.870	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	IBK	CHNH	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE SIZES FOR SUMMARY PRINTOUT									
	38.000	1.000	4.000	13.000	14.000	15.000	27.000	21.000	22.000	28.000
	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NC	.120	.120	.005	.200	.400	0.000	0.000	0.000	0.000	0.000
DT	7.000	1000.000	2000.000	5000.000	10000.000	4900.000	11000.000	19000.000	31000.000	12000.000
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	294977.000	37.000	1613.000	1691.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	623.200	1000.000	618.300	1100.000	614.000	1200.000	600.400	1230.000	607.500	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1340.000
GR	606.200	1354.000	602.000	1359.000	602.300	1370.000	600.400	1389.000	603.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1470.000	591.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1559.000	590.200	1620.000	589.700	1613.000	584.000	1620.000
GR	583.400	1641.000	583.000	1660.000	582.100	1674.000	580.700	1682.000	580.500	1691.000
GR	591.300	1705.000	583.100	1720.000	593.300	1735.000	604.300	1760.000	600.200	1800.000
GR	618.000	2000.000	621.000	2040.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	295027.000	37.000	1472.000	1720.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	13.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	625.200	1000.000	618.300	1100.000	614.000	1200.000	600.400	1230.000	607.500	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1340.000
GR	606.200	1354.000	602.000	1359.000	602.300	1370.000	600.400	1389.000	603.200	1403.000
GR	595.100	1461.000	602.000	1472.000	598.500	1470.000	591.400	1482.000	593.200	1492.000
GR	592.600	1541.000	591.100	1559.000	590.200	1620.000	589.700	1613.000	584.000	1620.000
GR	583.400	1641.000	583.000	1660.000	582.100	1674.000	580.700	1682.000	580.500	1691.000
GR	591.300	1705.000	583.100	1720.000	593.300	1735.000	604.300	1760.000	600.200	1800.000
GR	618.000	2000.000	621.000	2040.000	0.000	0.000	0.000	0.000	0.000	0.000

NC 87

X1	295028.000	47.000	1613.000	1691.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	620.000	1000.000	610.300	1100.000	609.100	1200.000	607.400	1309.000	607.500	1310.000
GR	606.200	1310.000	601.400	1321.000	597.700	1329.000	596.900	1340.000	600.400	1340.000

GR	604,200	1854,000	607,200	1350,000	609,400	1351,000	609,300	1451,000	609,800	1462,000
GR	604,500	1463,000	602,000	1472,000	599,500	1478,000	598,400	1482,000	593,200	1402,000
GR	593,000	1514,000	609,000	1556,000	593,000	1518,000	592,500	1541,000	591,100	1569,000
GR	605,000	1571,000	591,000	1573,000	591,500	1600,000	589,700	1613,000	585,300	1623,000
GR	605,800	1625,000	584,200	1627,000	584,000	1625,000	583,400	1651,000	583,600	1660,000
GR	584,100	1674,000	583,500	1570,000	605,500	1608,000	586,700	1600,000	589,500	1691,000
GR	591,300	1705,000	603,100	1729,000	605,900	1734,000	609,300	1735,000	609,000	1800,000
GR	631,400	1905,000	620,000	2000,000	0.000	0.000	0.000	0.000	0.000	0.000
HT	14,000	1000,000	511,900	611,900	1100,000	610,300	610,300	1260,000	609,300	609,400
HT	1309,000	609,400	609,400	1310,000	609,400	607,200	356,000	609,400	607,200	1359,000
HT	609,400	609,400	1401,000	609,300	609,300	1402,000	609,300	609,300	1734,000	609,300
HT	609,900	1735,000	609,300	609,300	1400,000	609,300	609,300	1705,000	611,400	611,400
HT	2000,000	615,200	615,200	0.000	0.000	0.000	0.000	0.000	0.000	6.000

Y1	299,052,000	0.000	0.000	0.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	299,43,000	37,000	472,000	1725,000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10,000	0.000	0.000	0.000	0.000	0.000	0.000	609,300	609,300	0.000
GR	623,200	1000,000	610,300	1100,000	614,000	1200,000	608,400	1200,000	609,700	1310,000
GR	600,200	1310,000	601,400	1321,000	597,700	1329,000	596,900	1340,000	600,400	1340,000
GR	600,200	1054,000	600,000	1359,000	609,300	1377,000	608,400	1389,000	600,200	1403,300
GR	599,100	1461,000	602,000	1472,000	599,500	1478,000	598,400	1482,000	593,200	1492,000
GR	592,000	1541,000	591,100	1569,000	591,500	1600,000	589,700	1613,000	585,300	1623,000
GR	583,400	1641,000	583,000	1660,000	584,100	1674,000	586,700	1682,000	589,500	1691,000
GR	581,300	1705,000	603,100	1725,000	593,300	1735,000	604,300	1708,000	608,200	1800,000
GR	610,300	2000,000	621,000	2040,000	0.000	0.000	0.000	0.000	0.000	0.000

X1	299,103,000	37,000	1613,000	1991,000	20.000	20.000	20.000	0.000	0.000	0.000
GR	623,200	1000,000	610,300	1100,000	614,000	1200,000	608,400	1200,000	609,700	1310,000
GR	600,200	1310,000	601,400	1321,000	597,700	1329,000	596,900	1340,000	600,400	1340,000
GR	600,200	1054,000	600,000	1359,000	609,300	1377,000	608,400	1389,000	600,200	1403,300
GR	599,100	1461,000	602,000	1472,000	599,500	1478,000	598,400	1482,000	593,200	1492,000
GR	592,000	1541,000	591,100	1569,000	591,500	1600,000	589,700	1613,000	585,300	1623,000
GR	583,400	1641,000	583,000	1660,000	584,100	1674,000	586,700	1682,000	589,500	1691,000
GR	581,300	1705,000	603,100	1725,000	593,300	1735,000	604,300	1708,000	608,200	1800,000
GR	610,300	2000,000	621,000	2040,000	0.000	0.000	0.000	0.000	0.000	0.000

X1	299,390,000	27,000	1893,000	1809,000	290,000	290,000	290,000	0.000	0.000	0.000
GR	630,000	1000,000	604,000	1459,000	600,000	1464,000	596,100	1482,000	597,500	1491,000
GR	597,000	1492,000	597,300	1490,000	600,000	1505,000	600,000	1506,000	600,000	1513,000
GR	603,100	1522,000	603,000	1531,000	599,900	1549,000	594,900	1563,000	590,100	1572,000
GR	598,100	1600,000	584,000	1519,000	595,000	1609,000	584,900	1609,000	584,000	1732,000
GR	586,100	1700,000	585,700	1720,000	590,500	1809,000	610,500	1810,000	629,000	1822,000
Y2	120	120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1491,000	1831,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	299,400,000	27,000	1491,000	1831,000	1.000	1.000	1.000	0.000	0.000	0.000
GR	630,000	1000,000	610,300	1459,000	610,000	1464,000	613,100	1482,000	600,000	1491,000
GR	606,400	1492,000	600,000	1490,000	600,000	1505,000	600,000	1506,000	600,000	1513,000
GR	603,000	1522,000	603,000	1531,000	600,000	1549,000	600,000	1563,000	603,000	1572,000
GR	603,000	1600,000	603,000	1519,000	600,000	1609,000	603,000	1609,000	603,000	1732,000
GR	603,000	1700,000	603,000	1720,000	600,000	1809,000	603,000	1810,000	601,000	1842,000
NC	120	120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1491,000	1831,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	299,401,000	42,000	1829,000	1791,000	1.000	1.000	1.000	0.000	0.000	0.000
GR	630,000	1000,000	604,000	1459,000	610,000	1464,000	611,100	1482,000	600,000	1491,000
GR	616,400	1492,000	610,300	1490,000	600,000	1433,000	604,500	1491,000	601,100	1499,000

GR	603.700	1632.000	602.700	1639.000	601.000	1647.000	600.300	1552.000	598.200	1569.000
GR	595.200	1683.000	593.600	1703.000	597.400	1718.000	600.400	1729.000	602.400	1737.000
GR	603.300	1745.000	604.300	1751.000	604.700	1764.000	603.700	1800.000	604.200	1859.000
GR	615.200	1403.000	616.600	1904.000	618.700	1914.000	621.900	1942.000	626.800	2000.000
GR	623.700	2100.000	629.100	2200.000	633.000	2300.000	637.300	2352.000	638.100	2400.000
GR	647.300	2500.000	647.200	2600.000	6.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295467.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295405.000	0.000	0.000	0.000	3.000	3.000	3.000	0.000	0.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295410.000	0.000	0.000	0.000	5.000	5.000	5.000	0.000	0.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295420.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295430.000	0.000	0.000	0.000	30.000	30.000	30.000	1.000	1.000	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295500.000	0.000	0.000	0.000	50.000	50.000	50.000	1.000	1.200	0.000
ET	0.000	1491.000	1855.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	295600.000	2.000	0.000	0.000	100.000	100.000	100.000	1.000	1.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400

X1	296000.000	0.000	0.000	0.000	400.000	400.000	400.000	1.000	1.300	0.300
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X1	297000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.600	0.000
ET	0.000	1865.000	2000.000	2000.000	10000.000	4000.000	16700.000	14000.000	31000.000	14000.000

X1	296000.000	0.000	4604.000	4695.000	1000.000	1000.000	1000.000	1.000	-1.500	0.000
GR	691.300	1000.000	671.900	1200.000	671.700	1300.000	650.600	1500.000	643.900	1547.000
GR	649.300	1653.000	649.900	1700.000	646.800	1800.000	642.400	1873.000	642.900	1900.000
GR	649.700	2000.000	648.400	2100.000	636.100	2200.000	635.000	2400.000	635.000	2525.000
GR	634.100	2600.000	649.700	2700.000	646.100	2800.000	647.300	2900.000	645.800	2912.000
GR	642.600	2920.000	647.000	2927.000	663.400	3000.000	660.200	3100.000	659.900	3200.000
GR	658.300	3300.000	693.200	3400.000	644.500	3500.000	644.100	3552.000	644.600	3558.000
GR	647.000	3600.000	645.800	3900.000	641.300	4000.000	639.000	4100.000	632.400	4200.000
GR	627.700	4300.000	623.800	4400.000	600.000	4600.000	600.500	4600.000	597.300	4617.000
GR	596.500	4620.000	596.300	4640.000	597.500	4601.000	595.100	4673.000	605.700	4679.000
GR	610.500	4640.000	610.900	4724.000	600.900	4900.000	622.000	5000.000	622.200	5047.000
GR	641.700	5130.000	651.300	5200.000	620.700	5300.000	664.400	5400.000	673.600	5500.000
GR	665.700	5800.000	659.000	5522.000	690.100	6000.000	0.000	0.000	0.000	0.000

NEAR ALTANAHAM DAMSITE

X1	300000.000	0.000	0.000	0.000	2000.000	2000.000	2000.000	1.000	1.500	0.000
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X1	305740.000	51.000	2085.000	2701.000	8740.000	8740.000	8740.000	0.000	0.000	0.000
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GR	605.140	1360.000	660.420	1400.000	656.000	1444.000	650.400	1500.000	644.700	1500.000
GR	638.000	1700.000	634.800	1750.000	627.800	1800.000	621.600	1812.000	620.000	1815.000
GR	624.400	1860.000	620.700	1874.000	621.900	1914.000	624.200	1927.000	625.400	1940.000
GR	629.800	1960.000	631.000	2000.000	631.800	2100.000	628.800	2200.000	624.000	2300.000
GR	610.700	2400.000	619.000	2500.000	618.500	2515.000	615.700	2542.000	615.500	2600.000
GR	615.800	2664.000	615.500	2874.000	613.700	2985.000	610.500	3000.000	602.700	2894.000
GR	602.800	2721.000	601.000	2750.000	602.200	2833.000	608.300	2757.000	611.700	2701.000
GR	519.900	2799.000	622.300	2800.000	626.500	2810.000	631.000	2814.000	637.300	2833.000
GR	641.700	2843.000	648.000	2867.000	654.800	2900.000	655.000	2970.000	669.100	3000.000
GR	677.600	3069.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	311430.000	27.000	1000.000	1001.000	2090.000	2090.000	2090.000	0.000	0.000	0.000
GR	650.000	770.000	640.000	810.000	600.000	800.000	625.000	875.000	620.000	905.000
GR	615.600	950.000	613.500	1000.000	609.100	1000.000	606.300	1117.000	600.100	1014.000
GR	601.200	1010.000	603.500	1040.000	603.000	1025.000	603.500	1130.000	603.100	1035.000
GR	603.700	1040.000	603.700	1045.600	602.600	1050.000	603.700	1055.000	605.100	1050.000
GR	613.000	1034.000	608.000	1000.000	600.000	1150.000	603.700	1170.000	600.100	1220.000
GR	640.000	1290.000	650.000	1300.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	9.000	1000.000	0.000.000	0.000.000	10000.000	10000.000	10000.000	14000.000	30000.000	14900.000

X1	316700.000	20.000	2664.000	2140.000	3270.000	3270.000	3270.000	0.000	0.000	0.000
GR	660.000	1800.000	650.000	1800.000	620.000	1800.000	620.000	1700.000	610.000	1800.000
GR	615.400	2060.000	610.200	2070.000	600.100	2002.000	607.300	2100.000	607.000	2110.000
GR	600.200	2130.000	613.800	2130.000	600.400	2140.000	623.000	2124.000	620.000	2200.000
GR	670.000	2230.000	638.300	2300.000	644.900	2400.000	647.400	2500.000	650.000	2600.000
GR	650.700	2700.000	664.300	2740.000	660.400	2800.000	669.600	2900.000	671.500	3000.000

X1	310790.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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X1	310751.000	30.000	2064.000	2140.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	670.000	1100.000	660.000	1200.000	600.000	1400.000	620.000	1600.000	650.000	1700.000
GR	640.000	1800.000	630.000	1800.000	600.000	1800.000	620.000	1900.000	620.000	2000.000
GR	620.000	2000.000	620.000	2000.000	600.000	2000.000	620.000	2000.000	600.000	2000.000
GR	600.000	2100.000	600.000	2100.000	600.000	2100.000	600.000	2100.000	600.000	2100.000
GR	600.000	2130.000	610.000	2130.000	600.000	2130.000	600.000	2130.000	600.000	2130.000
GR	620.000	2200.000	634.100	2300.000	640.000	2400.000	650.000	2500.000	650.000	2600.000
GR	660.000	2600.000	670.000	2900.000	670.000	3000.000	0.000	0.000	0.000	0.000
BT	23.000	1100.000	670.000	670.000	1200.000	660.000	660.000	1400.000	600.000	600.000
BT	1000.000	0.000	0.000	1700.000	0.000	0.000	1800.000	0.000	640.000	1000.000
BT	600.000	600.000	680.000	620.000	620.000	1700.000	620.000	620.000	2000.000	620.000
BT	620.000	2060.000	620.000	620.000	2000.000	620.000	620.000	2100.000	620.000	620.000
BT	2100.000	0.000	620.000	2100.000	620.000	620.000	2200.000	620.000	620.000	2100.000
BT	640.000	0.000	2400.000	640.000	640.000	2600.000	650.000	650.000	2700.000	650.000
BT	650.000	2000.000	660.000	660.000	2900.000	670.000	670.000	3000.000	670.000	670.000

X1	310700.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	310770.000	0.000	2064.000	2140.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	640.000	1000.000	630.000	1800.000	620.000	1800.000	620.000	1900.000	610.000	2000.000
GR	610.000	2000.000	610.000	2070.000	600.100	2002.000	607.300	2100.000	607.000	2110.000
GR	600.200	2130.000	613.800	2130.000	600.400	2140.000	623.000	2124.000	620.000	2200.000
GR	640.000	2230.000	638.300	2300.000	644.900	2400.000	647.400	2500.000	650.000	2600.000
GR	650.700	2700.000	664.300	2740.000	660.400	2800.000	669.600	2900.000	671.500	3000.000

X1	310700.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
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GA	645,000	1000,000	618,300	1275,000	613,500	1263,000	611,200	1290,000	610,000	1291,000
GR	609,400	1325,000	609,100	1345,000	609,500	1361,000	609,500	1367,000	610,000	1360,000
OR	611,800	1369,000	617,200	1370,000	645,000	1500,000	0,000	0,000	0,000	0,000
NC	.120	.120	.045	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 317250,000	12,000	2290,000	1300,000	1,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	645,000	1000,000	618,300	1275,000	613,500	1263,000	611,200	1290,000	610,000	1291,000
OR	614,300	1325,000	614,300	1345,000	613,500	1361,000	610,000	1367,000	618,500	1360,000
GR	618,300	1369,000	645,000	1500,000	0,000	0,000	0,000	0,000	0,000	0,000
NC	.120	.120	.045	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 317250,000	21,000	1276,000	1300,000	1,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	645,000	1000,000	630,200	1000,000	630,200	1100,000	620,700	1150,000	625,200	1200,000
OR	620,100	1250,000	619,500	1200,000	617,000	1270,000	611,800	1284,000	612,100	1300,000
GR	611,200	1325,000	617,900	1335,000	612,000	1343,000	617,100	1352,000	619,000	1363,000
GR	641,200	1400,000	641,000	1405,000	641,700	1419,000	626,500	1449,000	633,700	1453,000
GR	645,000	1500,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1 317252,000	0,000	0,000	0,000	1,000	1,000	1,000	1,000	0,000	0,000	0,000
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X1 317255,000	0,000	0,000	0,000	3,000	3,000	3,000	3,000	0,000	0,000	0,000
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X1 317260,000	0,000	0,000	0,000	5,000	5,000	5,000	5,000	0,000	0,000	0,000
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X1 317270,000	0,000	0,000	0,000	10,000	10,000	10,000	10,000	0,000	0,000	0,000
OT	9,000	1000,000	200,000	2000,000	10000,000	4000,000	10400,000	1,000,000	30000,000	14200,000
EY	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	6,400

X1 323715,000	28,000	20,000	2132,000	6445,000	6445,000	6445,000	3,000	0,000	0,000	0,000
GR	670,300	1000,000	600,000	1100,000	605,100	1200,000	602,300	1300,000	604,500	1500,000
OR	642,600	1000,000	600,000	1100,000	620,000	1200,000	620,000	1300,000	625,700	1500,000
GR	623,000	2000,000	600,000	2000,000	615,000	2000,000	610,000	2000,000	610,000	2100,000
GR	623,000	2112,000	635,700	2149,000	643,200	2200,000	652,900	2300,000	654,700	2342,000
OR	655,000	2344,000	655,000	2400,000	655,000	2500,000	660,000	2600,000	664,000	2700,000
GR	665,600	2600,000	665,600	2500,000	670,000	3300,000	0,000	0,000	0,000	0,000

X1 323815,000	0,000	0,000	0,000	100,000	100,000	100,000	0,000	0,000	0,000	0,000
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SR 12

X1 324810,000	30,000	2054,000	2112,000	1,000	1,000	1,000	0,000	0,000	0,000	0,000
GR	660,000	1000,000	604,300	1100,000	645,000	1500,000	642,100	1600,000	648,300	1700,000
GR	640,200	1000,000	640,000	1,35,000	637,900	1731,000	615,200	1955,000	624,200	1985,000
GR	638,400	1985,000	624,000	1987,000	623,300	2,000,000	610,200	2040,000	638,900	2042,000
GR	618,400	2044,000	615,000	2070,000	615,000	2070,000	610,000	2070,000	639,500	2070,000
GR	614,000	2097,000	615,000	2100,000	623,000	2112,000	575,300	2125,000	635,000	2145,000
GR	643,100	2149,000	643,000	2200,000	640,700	2300,000	651,000	2400,000	661,000	2600,000
GR	607,300	2000,000	607,000	2000,000	670,700	3000,000	0,000	0,000	0,000	0,000
BT	13,000	1000,000	608,000	608,000	1107,000	664,300	664,300	1500,000	645,400	645,400
BT	1600,000	642,100	642,100	1700,000	640,300	1800,000	640,000	640,200	640,700	1930,000
BT	640,000	640,000	1931,000	640,000	637,000	2040,000	641,000	636,000	2148,000	643,100
BT	640,100	2149,000	743,100	643,100	2300,000	643,000	643,000	2,000,000	646,700	646,700
BT	2400,000	51,000	651,000	2640,000	651,100	651,100	2800,000	667,500	667,500	2900,000
BT	669,000	669,000	3000,000	670,700	670,700	0,000	0,000	0,000	0,000	0,000

X1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	323845.000	28.000	2843.000	3117.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	670.300	1030.000	666.000	1103.000	565.100	1200.000	662.300	1300.000	654.500	1500.000
DR	642.600	1000.000	637.000	1700.000	629.000	1700.000	626.300	1900.000	625.700	1931.000
BR	623.300	2000.000	618.500	2053.000	619.000	2053.000	613.000	2073.000	615.000	2180.000
BR	623.000	2112.000	639.700	2157.000	643.200	2250.000	652.900	2300.000	654.700	2342.000
GR	655.000	2340.000	655.000	2400.000	655.000	2500.000	660.000	2600.000	664.000	2700.000
GR	645.000	2800.000	660.000	2900.000	670.000	3000.000	0.000	0.000	0.000	0.000

X1	323945.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
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X1	324500.000	0.000	0.000	0.000	555.000	555.000	555.000	1.000	0.700	0.000
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X1	329000.000	0.000	0.000	0.000	500.000	500.000	500.000	1.500	0.500	0.000
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X1	320000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	1.200	0.000
DT	0.000	1000.000	2000.000	5000.000	10000.000	20000.000	10300.000	14100.000	30000.000	14100.000

X1	332850.000	24.000	1935.000	1004.000	6020.000	6020.000	6020.000	0.000	0.000	0.000
GR	679.100	1000.000	679.200	1100.000	675.700	1200.000	668.800	1300.000	664.700	1400.000
GR	646.100	1500.000	633.200	1505.000	630.400	1561.000	631.200	1565.000	626.100	1596.000
GR	624.100	1620.000	625.700	1630.000	625.300	1649.000	620.200	1656.000	632.200	1664.000
GR	633.800	1704.000	639.300	1800.000	644.500	1839.000	651.700	1900.000	657.500	2000.000
GR	664.100	2100.000	667.000	2200.000	670.000	2300.000	676.700	2400.000	0.000	0.000

X1	332945.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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SR 2715

X1	337946.000	34.000	1985.000	1034.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	676.500	1000.000	671.200	1100.000	669.600	1200.000	659.600	1300.000	653.700	1400.000
GR	648.200	1500.000	648.200	1504.000	644.400	1509.000	622.000	1530.000	630.800	1552.000
GR	644.400	1550.000	638.700	1550.000	631.200	1555.000	626.100	1590.000	625.500	1601.000
GR	644.400	1600.000	625.000	1607.000	624.100	1620.000	625.700	1630.000	625.300	1645.000
GR	627.500	1651.000	644.000	1654.000	628.000	1657.000	628.000	1658.000	632.200	1664.000
GR	634.000	1682.000	644.400	1703.000	643.300	1704.000	649.600	1800.000	652.000	1900.000
GR	657.400	2000.000	665.000	2100.000	673.500	2300.000	678.100	2400.000	0.000	0.000
BT	16.000	1000.000	676.500	670.500	1100.000	671.200	671.200	1200.000	660.600	665.600
BT	1300.000	687.000	659.000	1400.000	653.900	1500.000	1500.000	646.200	646.200	1500.000
BT	648.200	643.200	1205.000	542.200	644.400	1703.000	648.300	644.400	1704.000	648.300
BT	648.300	1800.000	649.000	649.600	1700.000	652.000	652.000	2000.000	657.400	657.400
BT	2100.000	663.300	653.300	2300.000	673.300	673.300	2400.000	678.100	676.100	0.000

X1	332974.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

SR 2620

X1	332975.000	24.000	1985.000	1000.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	679.100	1000.000	679.200	1100.000	675.700	1200.000	668.800	1300.000	664.700	1400.000
GR	646.100	1500.000	633.200	1505.000	630.400	1561.000	631.200	1565.000	626.100	1596.000
GR	624.100	1620.000	625.700	1630.000	625.300	1649.000	620.200	1656.000	632.200	1664.000
GR	633.800	1704.000	639.300	1800.000	644.500	1839.000	651.700	1900.000	657.500	2000.000
GR	664.100	2100.000	667.000	2200.000	670.000	2300.000	676.700	2400.000	0.000	0.000

X1 333024.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
GR 678.900	1000.000	683.000	1160.000	661.000	1136.000	656.000	1200.000	655.000	1217.000
GR 639.100	1700.000	638.200	1700.000	637.000	1791.000	636.000	1807.000	635.000	1827.000
GR 637.000	1820.000	636.000	1830.000	635.000	1845.000	634.000	1850.000	633.000	1874.000
GR 637.300	1880.000	636.100	1890.000	635.100	1905.000	634.100	1919.000	633.100	1939.000
BT 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.000

X1 358409.000	30.000	3039.000	3093.000	13405.000	10405.000	10405.000	0.000	0.000	0.000
GR 691.900	1000.000	687.800	1300.000	685.700	1400.000	682.900	1700.000	679.100	1800.000
GR 677.900	1900.000	674.500	2000.000	672.400	2100.000	669.000	2200.000	665.400	2300.000
GR 659.300	2700.000	651.400	2700.000	648.000	2800.000	644.500	2900.000	640.500	2901.000
GR 644.700	3312.000	642.900	3338.000	638.200	3444.000	633.300	3503.000	628.700	3578.000
GR 641.900	3600.000	641.400	3607.000	640.000	3640.000	638.000	3680.000	635.000	3700.000
GR 651.000	3329.000	657.900	3400.000	650.000	3500.000	645.100	3600.000	640.000	3700.000

X1 358605.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	0.000	0.000
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RENAJA GAGE 300 FEET UPSTREAM FROM SK 2020

X1 358606.000	30.000	3037.000	3082.000	1.000	1.000	1.000	0.000	0.000	0.000
GR 693.800	1000.000	692.700	1100.000	690.700	1200.000	687.500	1300.000	684.200	1400.000
GR 684.900	2300.000	683.400	2400.000	682.300	2500.000	681.100	2600.000	679.800	2700.000
GR 638.400	2901.000	645.500	2907.000	642.000	2997.000	638.000	2999.000	634.100	3002.000
GR 644.700	3012.000	643.000	3037.000	640.000	3040.000	638.000	3042.000	635.200	3044.000
GR 627.300	3000.000	638.700	3078.000	641.000	3078.000	636.400	3080.000	631.900	3083.000
GR 643.400	3100.000	644.200	3117.000	641.000	3120.000	644.000	3122.000	641.000	3120.000
GR 630.400	3159.000	632.000	3160.000	630.000	3200.000	627.000	3200.000	625.000	3200.000
GR 651.000	3700.000	650.000	3700.000	648.000	3700.000	646.000	3700.000	644.000	3700.000
BT 17.000	1000.000	693.000	693.000	1100.000	692.400	692.000	1200.000	690.700	690.700
BT 1900.000	676.000	676.000	2000.000	674.200	674.200	2700.000	673.000	669.000	2400.000
BT 663.400	663.000	2600.000	662.300	662.300	2700.000	662.100	663.100	2700.000	662.300
BT 662.300	2761.000	662.300	668.400	3159.000	642.200	658.400	3140.000	667.200	652.200
BT 3200.000	662.000	662.000	3400.000	662.000	662.000	3600.000	662.000	660.000	3700.000
BT 690.000	690.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.000

X2 358634.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
X2 0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.500	0.000	0.000

X1 358635.000	30.000	3039.000	3084.000	1.000	1.000	1.000	0.000	0.000	0.000
GR 691.900	1000.000	687.800	1300.000	687.700	1400.000	682.900	1700.000	679.100	1800.000
GR 677.900	1900.000	674.500	2000.000	672.400	2100.000	669.000	2200.000	665.400	2300.000
GR 659.300	2700.000	651.400	2700.000	648.000	2800.000	644.500	2900.000	640.500	2901.000
GR 644.700	3012.000	642.900	3038.000	638.200	3040.000	637.000	3080.000	633.000	3078.000
GR 641.900	3283.000	643.400	3100.000	640.000	3100.000	646.300	3200.000	640.000	3300.000
GR 651.000	3329.000	657.900	3400.000	650.000	3500.000	645.100	3600.000	640.000	3700.000
BT 0.000	1000.000	2000.000	3000.000	1000.000	4700.000	9500.000	15000.000	20000.000	13000.000

X1 358636.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	0.000	0.000
BT 0.000	1000.000	2000.000	2000.000	10000.000	2000.000	2000.000	11000.000	25000.000	11000.000

X1 360550.000	40.000	1771.000	1000.000	7715.000	7715.000	7715.000	0.000	0.000	0.000
GR 663.100	1000.000	659.300	1100.000	657.000	1200.000	656.000	1300.000	654.700	1400.000
GR 654.700	1700.000	653.000	1700.000	652.000	1791.000	651.000	1807.000	650.000	1827.000











BT	691,800	691,800	3600,000	698,100	698,100	3900,000	714,000	714,000	4200,000	733,800
BT	733,800	4300,000	742,300	742,300	0,000	0,000	0,000	1,000	0,000	0,000
X1	408693,000	0,000	0,000	0,000	24,000	26,000	26,000	0,000	0,300	0,800
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	408694,000	37,000	2800,000	2855,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	725,000	1000,000	736,000	1100,000	740,300	1710,000	725,700	1300,000	717,000	1400,000
GR	713,100	1300,000	709,300	1000,000	704,900	1700,000	702,800	2160,000	701,700	2200,000
GR	597,200	2400,000	698,200	2500,000	695,000	2800,000	693,000	2700,000	604,300	2800,000
GR	600,000	2219,000	640,000	2030,000	652,000	2040,000	679,700	2050,000	602,400	2050,000
GR	602,500	2869,000	603,200	2700,000	600,500	3030,000	604,700	3130,000	603,700	3200,000
GR	603,500	3300,000	606,100	3400,000	607,900	3500,000	608,400	3600,000	609,100	3700,000
GR	714,700	3000,000	713,200	3900,000	716,300	4000,000	723,300	4100,000	721,600	4200,000
GR	742,400	4300,000	743,000	4328,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	408816,000	0,000	0,000	0,000	122,000	102,000	122,000	0,000	0,000	0,000
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X1	409000,000	0,000	0,000	0,000	184,000	184,000	184,000	1,000	2,300	0,000
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X2	410000,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	1,200	0,000
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X1	411000,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	1,200	0,000
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X1	415000,000	42,000	2050,000	2072,000	4300,000	4300,000	4300,000	0,000	0,000	0,000
GR	748,300	1000,000	738,400	1100,000	729,400	1200,000	726,500	1220,000	710,000	1250,000
GR	712,500	1275,000	707,300	1300,000	690,200	1303,000	697,200	1400,000	694,900	1500,000
GR	694,200	1953,000	687,400	1970,000	680,200	1600,000	680,100	1700,000	607,800	1800,000
GR	688,100	1900,000	688,400	2000,000	689,500	2043,000	698,000	2091,000	607,300	2093,000
GR	607,500	2060,000	607,700	2009,000	600,500	2073,000	690,000	2079,000	609,400	2100,000
GR	630,900	2200,000	608,700	2300,000	600,000	2400,000	690,000	2500,000	693,500	2600,000
GR	694,500	2612,000	698,000	2700,000	700,900	2723,000	702,100	2704,000	704,600	2745,000
GR	705,000	2762,000	704,200	2700,000	710,700	2794,000	708,500	2798,000	732,500	2840,000
GR	737,000	2869,000	740,000	2900,000	0,000	0,000	0,000	0,000	0,000	0,000
QT	9,000	1000,000	2000,000	5000,000	10000,000	2500,000	9200,000	7000,000	13400,000	7000,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,400

X1	420320,000	39,000	2491,000	2533,000	5020,000	5020,000	5020,000	1,000	-3,900	0,000
GR	771,300	1000,000	758,000	1200,000	791,100	1300,000	740,400	1400,000	720,100	1500,000
GR	710,500	1000,000	711,500	1700,000	700,000	1900,000	703,100	2000,000	703,300	2100,000
GR	699,700	2144,000	690,000	2127,000	695,300	2152,000	690,000	2150,000	700,000	2104,000
GR	699,900	2200,000	699,700	2302,000	690,000	2310,000	700,000	2400,000	700,000	2491,000
GR	697,900	2490,000	695,300	2500,000	695,100	2510,000	695,100	2520,000	699,500	2533,000
GR	700,600	2940,000	700,100	2900,000	701,200	2900,000	700,000	3000,000	712,200	3000,000
GR	716,000	3400,000	718,500	3500,000	724,300	3600,000	736,700	4100,000	744,100	4200,000

X3	423397,000	0,000	0,000	0,000	5020,000	5020,000	5020,000	1,000	3,900	0,000
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X1	423507,000	0,000	0,000	0,000	150,000	150,000	150,000	0,000	0,000	0,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

SR 2420

X1	423508,000	39,000	2491,000	2533,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	771,300	1000,000	758,000	1200,000	791,100	1300,000	740,400	1400,000	720,100	1500,000

GR	713.200	1700.000	700.700	1700.000	700.600	2100.000	700.000	2144.300	703.400	2145.000
GR	698.000	2147.000	695.300	2152.000	699.600	2150.000	700.000	2162.000	703.400	2163.000
GR	705.000	2164.000	704.500	2300.000	704.500	2400.000	704.900	2491.000	703.400	2492.000
GR	700.000	2493.000	697.900	2498.000	695.300	2505.000	695.200	2509.000	703.400	2510.000
GR	695.200	2511.000	695.100	2516.000	695.800	2526.000	703.400	2527.000	696.100	2528.000
GR	690.900	2533.000	700.200	2533.000	700.000	2544.000	703.900	2545.000	703.000	2500.000
GR	705.500	3100.000	719.400	3600.000	724.600	3300.000	742.800	4200.000	0.000	0.000
BT	23.000	1000.000	770.100	770.100	1100.000	760.400	760.400	1200.000	759.000	759.000
BT	1300.000	751.100	751.100	1400.000	710.700	710.700	1700.000	713.200	713.200	1900.000
BT	706.700	706.700	2100.000	705.000	705.000	2144.000	705.000	705.000	2145.000	705.000
BT	705.000	2163.000	705.000	705.000	2164.000	705.000	705.000	2300.000	704.500	704.500
BT	2400.000	704.500	704.500	2491.000	704.500	704.500	2492.000	703.900	703.400	2544.000
BT	704.500	703.400	2545.000	704.500	704.500	2800.000	703.800	703.800	3100.000	705.500
BT	705.500	3000.000	719.400	715.400	3000.000	724.600	724.600	4200.000	742.800	742.800

X1	425532.000	0.000	0.000	4.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	425533.000	39.000	2491.000	2533.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	771.300	1000.000	750.800	1200.000	751.100	1300.000	741.400	1400.000	720.100	1500.000
GR	716.500	1500.000	711.500	1700.000	706.800	1900.000	709.100	2000.000	703.300	2100.000
GR	699.700	2144.000	698.000	2147.000	695.300	2152.000	695.800	2158.000	700.000	2164.000
GR	691.900	2200.000	699.700	2302.000	690.800	2310.000	700.000	2400.000	700.400	2491.000
RS	697.900	2494.000	695.300	2505.000	695.100	2516.000	690.100	2527.000	699.900	2533.000
GR	700.600	2545.000	700.100	2600.000	701.200	3000.000	700.000	3200.000	712.200	3300.000
GR	716.000	3400.000	718.500	3600.000	724.300	3800.000	736.700	4100.000	714.100	4200.000
NC	0.000	0.000	0.000	.200	.400	0.000	0.000	0.000	0.000	0.000

X1	425603.000	0.000	0.000	0.000	70.000	70.000	70.000	0.000	0.000	0.000
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X1	429000.000	20.000	600.000	631.000	3397.000	3397.000	3397.000	1.000	-3.300	0.000
GR	736.700	0.000	724.000	110.000	729.000	100.000	710.000	470.000	705.200	540.000
GR	707.500	000.000	704.400	016.000	703.300	627.000	710.000	631.000	709.000	600.000
GR	709.200	700.000	709.500	000.000	709.000	630.000	709.200	900.000	704.500	1000.000
GR	707.000	1000.000	707.500	1300.000	707.900	1315.000	710.000	1330.000	730.000	1450.000

X1	433200.000	0.000	0.000	0.000	4200.000	4200.000	4200.000	1.000	1.300	0.000
BT	9.000	1000.000	2000.000	3000.000	10000.000	2000.000	4000.000	6100.000	11500.000	6100.000
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.400

X1	433543.000	20.000	2153.000	2199.000	363.000	363.000	363.000	1.000	-1.000	0.000
GR	725.200	1000.000	748.700	1100.000	741.700	1200.000	735.400	1300.000	720.900	1400.000
GR	725.100	1900.000	722.600	1000.000	700.000	1700.000	710.500	1800.000	711.300	2100.000
GR	709.900	2130.000	710.900	2153.000	700.500	2161.000	700.200	2173.000	706.700	2163.000
GR	706.700	2174.000	710.800	2199.000	711.000	2207.000	710.000	2300.000	713.100	2400.000
GR	714.400	2500.000	717.000	2600.000	713.800	2660.000	723.000	2700.000	749.300	2800.000

X1	433927.000	0.000	0.000	0.000	364.000	364.000	364.000	1.000	1.000	0.000
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X1	434027.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	.000	.000	0.000	0.000	0.000	0.000	0.000

SX 1001

X1	434028.000	31.000	2153.000	2199.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	724.900	1000.000	742.900	1200.000	736.400	1300.000	731.100	1400.000	727.200	1500.000
GR	724.700	1900.000	720.600	1000.000	700.000	1700.000	710.500	1800.000	711.300	2100.000

GR	710.000	5132.000	710.000	2148.000	710.000	2149.000	710.700	2150.000	710.900	2153.000
GR	706.300	2161.000	706.200	2173.000	706.700	2183.000	706.700	2186.000	715.100	2197.000
GR	706.700	2190.000	706.700	2194.000	710.000	2199.000	711.200	2205.000	716.700	2200.000
GR	707.800	2207.000	717.000	2400.000	717.900	2500.000	719.200	2600.000	721.900	2700.000
GR	725.000	2000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	21.000	100.000	754.000	754.000	1200.000	742.000	742.000	1400.000	736.000	736.000
BT	3400.000	731.100	731.100	1000.000	727.200	727.200	1000.000	724.700	724.700	1000.000
BT	720.400	720.000	1900.000	719.200	710.200	2130.000	717.000	717.000	0131.000	717.000
BT	716.300	2140.000	717.000	710.200	2149.000	717.000	719.200	2160.000	717.000	719.200
BT	2160.000	717.000	716.300	2200.000	717.000	716.200	2207.000	717.000	717.000	2407.000
BT	717.000	717.000	2900.000	717.000	717.000	2000.000	719.200	719.200	2700.000	721.900
BT	721.900	2900.000	725.000	725.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	434032.000	0.000	0.000	0.000	24.000	24.000	24.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1000.000	2900.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	434033.000	25.000	2153.000	2152.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	709.200	1000.000	740.300	1100.000	741.700	1700.000	739.400	1000.000	720.000	1400.000
GR	725.100	1500.000	722.000	1600.000	720.000	1700.000	710.000	1000.000	711.000	2100.000
GR	709.900	2130.000	710.900	2153.000	706.000	2101.000	706.200	2173.000	706.700	2103.000
GR	706.700	2194.000	710.000	2199.000	711.000	2247.000	710.000	2300.000	713.000	2400.000
GR	710.000	2000.000	717.000	2000.000	710.000	2000.000	720.000	2700.000	740.000	2000.000
GR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1000.000	2900.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	434133.000	0.000	0.000	0.000	00.000	00.000	00.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	435000.000	10.000	2221.000	2245.000	1307.000	1307.000	1307.000	1.000	0.000	0.000
GR	709.900	1000.000	702.900	1300.000	740.000	1121.000	720.000	1200.000	722.000	1240.000
GR	710.000	1000.000	710.000	1400.000	710.000	1500.000	710.000	1000.000	710.000	1700.000
GR	711.000	1000.000	712.000	1500.000	712.000	2000.000	710.000	2100.000	710.000	2000.000
GR	714.700	2221.000	700.200	2200.000	700.000	2001.000	700.000	2200.000	711.000	0000.000
GR	710.000	2243.000	710.000	2245.000	710.000	2200.000	717.200	2300.000	720.000	2400.000
GR	730.100	2700.000	730.700	2000.000	730.000	2000.000	734.000	2000.000	730.000	2700.000
GR	727.000	2700.000	742.300	2700.000	743.300	2000.000	747.100	2027.000	750.100	2041.000
GR	724.000	2074.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	436000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	0.000	0.000
OT	0.000	1000.000	2000.000	0000.000	10000.000	2100.000	4000.000	0000.000	10000.000	0000.000

X1	443000.000	27.000	2200.000	2310.000	7070.000	7070.000	7070.000	0.000	0.000	0.000
GR	701.000	1000.000	700.000	1100.000	701.000	1200.000	700.000	1000.000	701.000	1000.000
GR	702.000	1000.000	700.000	1700.000	700.000	1000.000	1000.000	1000.000	700.000	2000.000
GR	703.000	2221.000	730.700	2200.000	721.000	2000.000	721.000	2200.000	717.000	2000.000
GR	717.000	2270.000	710.000	2294.000	720.000	2299.000	722.000	2310.000	731.000	2700.000
GR	723.000	2343.000	721.000	2000.000	720.000	2000.000	720.000	2000.000	700.000	2000.000
GR	724.000	2700.000	701.000	2000.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	444000.000	27.000	2200.000	2330.000	100.000	100.000	100.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	732.300	732.300	0.000
GR	701.000	1000.000	700.000	1100.000	701.000	1200.000	700.000	1000.000	701.000	1000.000
GR	702.000	1000.000	700.000	1700.000	700.000	1000.000	1000.000	1000.000	700.000	2000.000
GR	703.000	2221.000	730.700	2200.000	701.000	2000.000	721.000	2200.000	717.000	2000.000
GR	717.000	2270.000	710.000	2294.000	720.000	2299.000	722.000	2310.000	731.000	2700.000
GR	723.000	2343.000	721.000	2000.000	720.000	2000.000	720.000	2000.000	700.000	2000.000
GR	724.000	2700.000	701.000	2000.000	0.000	0.000	0.000	0.000	0.000	0.000





FI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.400
X1 461210.000	0.000	0.000	0.000	0.000	1720.000	1720.000	1720.000	1.000	3.400	0.000	
X3 461300.000	0.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.000	0.000	
X1 461500.000	0.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	.100	0.000	
X1 462000.000	0.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	.200	0.000	
X1 463000.000	0.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	.400	0.000	
X1 464000.000	0.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	.400	0.000	
SI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400	

X1 465000.000	0.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	.400	0.000	
SI	9.000	1000.000	200.000	3000.000	10000.000	1000.000	3000.000	5000.000	9400.000	5000.000	

X1 465553.000	32.000	2305.000	2330.000	4553.000	4553.000	4553.000	0.000	0.000	0.000	0.000	
GR	779.600	1000.000	771.900	1100.000	769.800	1200.000	760.500	1300.000	762.600	1400.000	
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000	
GR	754.900	2000.000	753.600	2100.000	754.900	2200.000	760.800	2276.000	757.000	2303.000	
GR	753.500	2300.000	749.300	2305.000	745.900	2315.000	746.000	2325.000	749.200	2330.000	
GR	755.200	2345.000	757.100	2355.000	760.800	2362.000	753.300	2400.000	754.400	2500.000	
GR	755.800	2600.000	758.700	2700.000	759.500	2800.000	760.100	2900.000	773.200	300.000	
GR	778.700	3100.000	780.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000	

X1 469703.000	32.000	2276.000	2302.000	150.000	150.000	150.000	0.000	0.000	0.000	0.000	
XJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	761.000	761.000	0.000	
GR	779.600	1000.000	771.900	1100.000	769.800	1200.000	760.500	1300.000	762.600	1400.000	
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000	
GR	754.900	2000.000	753.600	2100.000	754.900	2200.000	760.800	2276.000	757.000	2303.000	
GR	753.500	2300.000	749.300	2305.000	745.900	2315.000	746.000	2325.000	749.200	2330.000	
GR	755.200	2345.000	757.100	2355.000	760.800	2362.000	753.300	2400.000	754.400	2500.000	
GR	755.800	2600.000	758.700	2700.000	759.500	2800.000	760.100	2900.000	773.200	3000.000	
GR	778.700	3100.000	780.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000	

GR 2347

X1 469734.000	30.000	2305.000	2330.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000	
GR	767.400	1000.000	762.300	1100.000	777.900	1200.000	774.200	1300.000	771.100	1400.000	
GR	766.600	1500.000	765.800	1600.000	768.700	1700.000	765.100	1800.000	764.700	1900.000	
GR	764.300	2000.000	765.000	2209.000	761.000	2271.000	760.800	2276.000	757.000	2283.000	
GR	753.500	2300.000	752.000	2401.000	761.000	2304.000	750.000	2304.000	749.300	2305.000	
GR	745.900	2315.000	746.000	2325.000	761.000	2334.000	761.600	2335.000	749.000	2337.000	
GR	740.200	2330.000	735.200	2345.000	757.100	2355.000	760.800	2362.000	761.000	2368.000	
GR	769.100	2369.000	764.000	2900.000	765.300	2900.000	760.500	2700.000	772.300	2900.000	
GR	776.900	3000.000	782.100	3100.000	784.000	3235.000	0.000	0.000	0.000	0.000	
SI	22.000	1000.000	187.400	787.400	1100.000	782.300	782.300	1200.000	777.900	777.900	
SI	1300.000	774.200	774.200	1400.000	771.100	771.100	1500.000	768.000	768.000	1600.000	
SI	766.900	766.900	1700.000	765.700	765.700	1800.000	765.100	765.100	1900.000	764.700	
SI	764.700	2000.000	764.600	764.600	2209.000	765.000	765.000	2271.000	765.000	761.000	
SI	2360.000	765.100	761.000	2859.000	765.100	765.100	2500.000	764.800	764.800	2600.000	
SI	765.300	765.300	2700.000	766.500	766.500	2900.000	772.300	772.300	3000.000	776.900	
SI	776.900	3100.000	782.100	782.100	3235.000	784.000	784.000	0.000	0.000	0.000	

X1	469736.000	0.000	0.000	0.000	32.000	32.000	32.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000

X1	469737.000	32.000	2276.000	2362.000	1.000	1.200	1.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	765.000	765.000	0.000
GR	770.400	1000.000	771.900	1100.000	767.900	1200.000	766.900	1000.000	767.900	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	754.900	2000.000	753.600	2100.000	751.900	2200.000	740.800	2276.000	737.000	2283.000
GR	753.500	2300.000	749.300	2365.000	745.900	2315.000	746.000	2325.000	740.200	2336.000
GR	755.200	2545.000	757.100	2595.000	760.000	2562.000	753.300	2460.000	753.400	2500.000
GR	755.800	2600.000	758.700	2700.000	759.500	2800.000	760.100	2900.000	771.200	3000.000
GR	778.200	3100.000	780.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	469837.000	32.000	2305.000	2338.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	770.900	1000.000	771.900	1100.000	767.900	1200.000	766.900	1000.000	767.900	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	754.900	2000.000	753.600	2100.000	751.900	2200.000	740.800	2276.000	737.000	2283.000
GR	753.500	2300.000	749.300	2365.000	745.900	2315.000	746.000	2325.000	740.200	2336.000
GR	755.200	2545.000	757.100	2595.000	760.000	2562.000	753.300	2460.000	753.400	2500.000
GR	755.800	2600.000	758.700	2700.000	759.500	2800.000	760.100	2900.000	771.200	3000.000
GR	778.200	3100.000	780.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	470920.000	19.000	969.000	987.000	1083.000	1003.000	1083.000	0.000	0.000	0.000
GR	777.500	0.000	778.400	130.000	760.200	300.000	764.100	490.000	762.600	600.000
GR	757.700	750.000	756.200	860.000	756.200	930.000	755.600	969.000	757.000	972.000
GR	751.500	989.000	756.000	987.000	759.200	1020.000	759.000	1055.000	757.000	1120.000
GR	755.000	1250.000	759.200	1325.000	756.000	1445.000	779.000	1510.000	0.000	0.000
GR	9.000	1030.000	2000.000	9000.000	10000.000	1700.000	3000.000	4000.000	9000.000	4800.000
FI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.400

X1	473204.000	29.000	2200.000	2250.000	2200.000	2284.000	2284.000	0.000	0.000	0.000
GR	760.000	1000.000	775.000	1100.000	771.500	1200.000	774.700	1300.000	773.500	1400.000
GR	775.300	1500.000	767.100	1700.000	764.500	1700.000	763.900	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2170.000	757.000	2200.000
GR	750.000	2200.000	759.700	2200.000	759.300	2220.000	759.900	2230.000	757.500	2230.000
GR	759.100	2270.000	758.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.600	2700.000	763.700	2800.000	770.500	2900.000	780.000	2950.000	0.300	0.000

X1	473404.000	29.000	2100.000	2270.000	200.000	200.000	200.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	773.000	773.000	0.000
GR	760.000	1000.000	778.000	1100.000	771.500	1200.000	774.900	1300.000	773.500	1400.000
GR	775.300	1500.000	767.100	1600.000	764.500	1700.000	763.900	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2170.000	757.000	2200.000
GR	750.000	2200.000	759.700	2200.000	759.300	2220.000	759.900	2230.000	757.500	2230.000
GR	759.100	2270.000	758.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.600	2700.000	763.700	2800.000	770.500	2900.000	780.000	2950.000	0.000	0.000

US 220

X1	473405.000	70.000	2200.000	2230.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	760.300	1000.000	760.300	1000.000	775.700	1700.000	774.900	1800.000	774.500	1900.000
GR	774.400	2057.000	772.600	2058.000	770.700	2059.000	768.000	2069.000	777.600	2070.000
GR	767.500	2071.000	764.900	2081.000	770.700	2082.000	763.900	2083.000	760.000	2084.000
GR	772.700	2092.000	760.500	2096.000	750.100	2100.000	760.100	2107.000	772.400	2100.000
GR	760.100	2109.000	760.900	2120.000	770.500	2121.000	760.000	2122.000	760.000	2132.000
GR	770.900	2133.000	760.000	2134.000	769.900	2140.000	770.900	2146.000	769.900	2147.000
GR	750.900	2150.000	760.000	2157.000	771.000	2158.000	760.000	2159.000	760.000	2170.000
GR	773.000	2171.000	760.000	2172.000	760.100	2176.000	769.200	2182.000	773.100	2183.000
GR	750.000	2181.000	750.000	2185.000	771.000	2186.000	760.000	2187.000	752.000	2188.000

GR	728,000	2263,000	756,500	2207,000	775,200	2200,000	755,700	2205,000	755,300	2220,000
GR	773,200	2221,000	755,400	2222,000	755,900	2230,000	756,100	2232,000	773,300	2233,000
GR	756,700	2234,000	757,500	2238,000	757,800	2243,000	773,300	2246,000	756,000	2247,000
GR	758,400	2257,000	773,400	2228,000	755,500	2259,000	759,100	2270,000	773,400	2271,000
GR	762,000	2272,000	768,000	2282,000	771,500	2283,000	768,500	2284,000	773,500	2294,000
GR	775,400	2295,000	777,700	2300,000	780,700	2780,000	783,700	2800,000	785,300	2905,000
BT	780,000	2955,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	14,000	1000,000	788,300	788,300	1400,000	700,300	730,300	1700,000	775,000	775,300
BT	1800,600	774,900	774,900	1900,000	773,500	774,500	2057,000	774,400	774,000	2058,000
BT	774,400	372,000	2294,000	775,400	773,900	2295,000	775,400	2500,000	775,400	777,700
BT	777,700	2700,000	760,900	760,900	2800,000	782,900	782,900	2900,000	785,300	789,300
BT	2955,000	788,000	785,000	0,000	0,000	0,000	0,000	0,000	3,000	0,000

X1	473415,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000

X1	473416,000	74,000	2100,000	2270,000	1,000	1,000	1,000	0,000	0,000	0,000
X4	10,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	780,000	1000,000	775,000	1100,000	775,000	1200,000	774,900	1300,000	775,500	1400,000
GR	775,300	1900,000	767,100	1600,000	764,500	1700,000	763,500	1800,000	762,400	1900,000
GR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2170,000	757,800	2200,000
GR	755,000	2203,000	755,700	2300,000	755,500	2220,000	755,700	2230,000	757,900	2238,000
GR	759,100	2270,000	756,400	2300,000	768,500	2400,000	768,600	2500,000	762,000	2500,000
GR	761,800	2700,000	763,700	2800,000	770,900	2900,000	780,000	2950,000	0,000	0,000

X1	473616,000	29,000	2200,000	2230,000	200,000	200,000	200,000	0,000	0,000	0,000
GR	780,000	1000,000	778,000	1100,000	775,000	1200,000	774,900	1300,000	775,500	1400,000
GR	775,300	1900,000	767,100	1600,000	764,500	1700,000	763,500	1800,000	762,400	1900,000
GR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2170,000	757,800	2200,000
GR	755,000	2203,000	755,700	2300,000	755,500	2220,000	755,700	2230,000	757,900	2238,000
GR	759,100	2270,000	756,400	2300,000	768,500	2400,000	768,600	2500,000	762,000	2500,000
GR	761,800	2700,000	763,700	2800,000	770,900	2900,000	780,000	2950,000	0,000	0,000
BT	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	10,400

X1	476170,000	10,000	870,000	900,000	2454,000	2454,000	2454,000	1,000	9,300	0,000
GR	803,200	140,000	791,500	240,000	760,600	555,000	757,300	730,000	755,800	870,000
GR	753,500	680,000	752,700	893,000	757,600	900,000	756,100	905,000	756,000	795,000
GR	756,000	1025,000	769,500	1020,000	801,500	1265,000	0,000	0,000	0,000	0,000
BT	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	15,400

X1	477210,000	21,000	720,000	742,000	1000,000	1000,000	1000,000	1,000	-3,300	0,000
GR	798,000	210,000	770,000	330,000	764,700	378,000	762,000	440,000	762,200	540,000
GR	780,200	570,000	762,600	670,000	762,600	650,000	763,600	725,000	761,500	720,000
GR	759,200	729,000	759,000	736,000	763,700	742,000	762,000	813,000	762,600	960,000
GR	763,500	959,000	767,500	995,000	770,000	1020,000	761,500	1132,000	765,000	1170,000
GR	791,000	1210,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	478530,000	31,000	1700,000	1700,000	1400,000	1400,000	1400,000	0,000	0,000	0,000
GR	800,500	1000,000	790,500	1100,000	782,000	1200,000	772,900	1300,000	767,000	1400,000
GR	763,400	1900,000	765,400	1000,000	764,700	1700,000	763,900	1702,000	762,500	1703,000
GR	759,900	1719,000	761,500	1730,000	764,900	1730,000	764,500	1800,000	765,200	1900,000
GR	765,900	2000,000	766,400	2100,000	766,900	2200,000	765,400	2300,000	769,600	2400,000
GR	770,100	2900,000	769,000	2600,000	765,900	2700,000	768,800	2800,000	776,700	2900,000
GR	774,000	3000,000	777,900	3100,000	779,000	3200,000	782,000	3300,000	788,700	3400,000
GR	793,600	3474,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	479600,000	0,000	0,000	0,000	470,000	470,000	470,000	1,000	900	0,000
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X1	479500.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
QT	9.000	1000.000	2000.000	3000.000	10000.000	1000.000	3300.000	4400.000	6400.000	4400.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400

X1	483884.000	24.000	1666.000	1719.000	436.000	4384.000	4384.000	0.000	0.000	0.000
GR	793.000	1000.000	789.100	1100.000	789.800	1100.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1703.000
GR	771.600	1715.000	775.300	1719.000	776.000	1740.000	784.300	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000

X1	483984.000	24.000	1664.000	1759.000	100.000	100.000	100.000	0.000	0.000	0.000
XJ	10.000	0.000	0.000	0.000	0.000	0.000	0.000	730.000	750.000	0.000
GR	793.000	1000.000	789.100	1100.000	789.800	1100.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1703.000
GR	771.600	1715.000	775.300	1719.000	776.000	1740.000	784.300	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SOUTHERN RR

X1	483985.000	28.000	1634.000	1799.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	776.900	1000.000	784.600	1200.900	782.200	1300.000	781.400	1400.000	782.500	1500.000
GR	784.500	1600.000	785.100	1627.000	783.200	1628.000	781.000	1634.000	775.100	1631.000
GR	775.700	1672.000	784.600	1673.000	775.900	1674.000	776.600	1686.000	770.900	1691.000
GR	770.600	1695.000	778.900	1783.000	771.000	1715.500	773.500	1717.000	785.600	1710.000
GR	775.500	1719.000	776.800	1749.000	784.300	1759.000	786.400	1763.000	788.500	1784.000
GR	791.300	1871.000	792.300	1908.000	794.900	1957.000	0.000	0.000	0.000	0.000
BT	14.000	1050.000	790.900	790.900	1200.000	784.600	784.600	1300.000	782.200	782.200
BT	1400.000	781.400	781.400	1500.000	782.300	782.300	1600.000	784.500	784.500	1627.000
BT	785.100	785.100	1628.000	785.100	783.200	1695.000	787.100	785.200	1783.000	788.300
BT	786.400	1784.000	788.300	788.300	1371.000	791.300	791.300	1988.000	792.300	792.300
BT	1957.000	791.900	792.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1300.000	1799.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	484015.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
XJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1400.000	1851.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	484016.000	24.000	1634.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
XJ	10.000	0.000	0.000	0.000	0.000	0.000	0.000	781.400	781.400	0.000
GR	793.000	1000.000	789.100	1100.000	789.800	1100.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1703.000
GR	771.600	1715.000	775.300	1719.000	776.000	1740.000	784.300	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.000

X1	484116.000	24.000	1666.000	1719.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	793.000	1000.000	789.100	1100.000	789.800	1100.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1703.000
GR	771.600	1715.000	775.300	1719.000	776.000	1740.000	784.300	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
GT	9.000	1000.000	2000.000	3000.000	10000.000	1000.000	3300.000	4400.000	6400.000	3700.000

X1	484117.000	18.000	1666.000	1871.000	1095.000	1095.000	1095.000	0.000	0.000	0.000
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GN	813.600	0.000	805.700	100.000	797.000	200.000	792.000	0.000	791.700	400.000
GR	790.000	0.000	786.300	0.000	797.000	700.000	786.300	0.000	791.200	900.000
GH	782.700	1000.000	777.000	1000.000	777.300	1010.000	701.300	1021.000	704.500	1100.000
GI	793.000	1200.000	797.700	1000.000	801.000	1000.000	809.500	1000.000	0.000	0.000

SN 2109

X1	404761.000	19.000	984.000	1017.000	0.000	0.000	0.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	792.300	0.000
GR	813.000	0.000	805.700	100.000	797.000	200.000	792.000	0.000	791.700	400.000
GR	790.000	0.000	786.300	0.000	797.000	700.000	786.300	0.000	791.200	900.000
GH	782.700	1000.000	777.000	1000.000	777.300	1010.000	701.300	1021.000	704.500	1100.000
GI	793.000	1200.000	797.700	1000.000	801.000	1000.000	809.500	1000.000	0.000	0.000
SB	1.250	1.500	2.500	0.000	0.000	1.400	0.000	0.000	770.100	770.100

X1	494799.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	794.700	0.000
BT	19.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	300.000	0.000	792.000	400.000	800.200	791.700	0.000	797.300	799.000	0.000
BT	799.500	786.300	700.000	794.900	795.300	800.000	794.900	786.300	900.000	799.900
BT	784.200	984.000	794.700	783.000	905.000	794.700	701.300	1010.000	794.700	792.300
BT	1017.000	794.700	701.300	1100.000	794.300	704.500	1200.000	796.100	793.900	1300.000
BT	790.000	797.700	1000.000	0.000	0.000	1000.000	809.500	809.500	0.000	0.000
ET	0.000	700.000	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	494049.000	19.000	1000.000	1021.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	813.000	0.000	805.700	100.000	797.000	200.000	792.000	0.000	791.700	400.000
GR	790.000	0.000	786.300	0.000	797.000	700.000	786.300	0.000	791.200	900.000
GR	782.700	1000.000	777.000	1000.000	777.300	1010.000	701.300	1021.000	704.500	1100.000
GR	793.000	1200.000	797.700	1000.000	801.000	1000.000	809.500	1000.000	0.000	0.000
ET	0.000	0.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	490000.000	0.000	0.000	0.000	101.000	101.000	101.000	1.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.400

X1	490000.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	490000.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	497000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	0.000	0.000
QT	0.000	1000.000	2000.000	0.000	1000.000	1100.000	2200.000	3000.000	0.000	3000.000

X1	504134.000	19.000	1000.000	1010.000	0.000	0.000	0.000	1.000	11.000	0.000
GR	819.000	0.000	805.700	200.000	809.000	300.000	805.000	0.000	803.000	0.000
GR	819.000	0.000	805.700	200.000	809.000	300.000	805.000	0.000	803.000	0.000
GR	819.000	1000.000	814.700	1010.000	810.000	1010.000	820.000	1000.000	814.700	1000.000

X1	509237.000	0.000	0.000	0.000	3099.000	3099.000	3099.000	1.000	11.100	0.000
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MC 68

X1	509407.000	0.000	1001.000	1002.000	0.000	0.000	0.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	813.000	0.000	805.700	100.000	797.000	200.000	792.000	0.000	791.700	400.000
GR	790.000	0.000	786.300	0.000	797.000	700.000	786.300	0.000	791.200	900.000
GR	782.700	1000.000	777.000	1000.000	777.300	1010.000	701.300	1021.000	704.500	1100.000
GR	793.000	1200.000	797.700	1000.000	801.000	1000.000	809.500	1000.000	0.000	0.000

GR	810.800	600.600	817.900	780.000	818.500	890.000	818.600	900.000	818.300	1083.000
GR	818.300	1081.000	817.200	1013.000	814.800	1017.000	815.300	1033.000	816.700	1035.000
GR	818.000	1037.000	821.100	1092.000	821.100	1053.000	820.900	1100.000	841.200	1200.000
SH	1.000	1.000	3.100	0.000	18.300	1.000	284.300	2.770	814.800	814.800

X1	202913.000	0.000	0.000	0.000	26.000	26.000	26.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	15.000	100.000	849.200	849.200	200.000	849.400	845.400	300.000	837.800	839.800
BT	400.000	839.400	836.400	700.000	031.500	831.500	600.000	828.300	819.800	700.000
BT	829.700	817.900	800.000	824.700	818.500	829.000	824.400	816.600	1080.000	824.700
BT	818.300	1081.000	824.700	823.200	1092.000	824.700	823.200	1053.000	824.700	821.100
BT	1100.000	820.900	826.900	1200.000	841.200	811.700	0.000	0.000	0.000	0.000
QT	9.000	1000.000	2000.000	5000.000	10000.000	900.000	1800.000	2400.000	4400.000	2400.000

X1	503713.000	10.000	1000.000	1011.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	845.700	103.000	640.000	200.000	835.000	300.000	833.100	400.000	820.000	500.000
GR	824.000	900.000	820.200	700.000	817.400	600.000	819.300	900.000	817.000	1000.000
GR	818.100	1004.000	815.900	1009.000	817.800	1011.000	817.900	1100.000	829.500	1100.000
GR	824.200	1200.000	840.900	1300.000	846.600	1000.000	0.000	0.000	0.000	0.000

X1	505800.000	0.000	0.000	0.000	07.000	07.000	07.000	1.000	.300	0.000
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X1	305900.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	.300	0.000
QT	9.000	1000.000	2000.000	5000.000	10000.000	820.700	1650.000	2200.000	4000.000	2200.000

X1	506500.000	14.000	1000.000	1022.000	500.000	600.000	600.000	1.000	11.000	0.000
GR	872.700	400.000	865.000	500.000	857.800	700.000	847.200	700.000	838.500	800.000
GR	837.800	900.000	831.400	1000.000	830.000	1002.000	829.300	1019.000	831.800	1022.000
GR	832.100	1100.000	839.600	1250.000	848.200	1000.000	864.300	1400.000	0.000	0.000

X1	507500.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	3.200	0.000
ET	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000

X1	510010.000	0.000	0.000	0.000	2519.000	2519.000	2519.000	1.000	7.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SN 2022

X1	510119.000	10.000	1000.000	1020.000	100.000	100.000	100.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	872.700	400.000	865.000	500.000	857.800	300.000	847.200	700.000	838.500	800.000
GR	832.800	900.000	833.200	1000.000	829.500	1001.000	829.500	1009.400	833.200	1011.000
GR	833.200	1010.000	829.500	1010.000	829.500	1024.400	833.200	1026.000	832.100	1100.000
GR	839.600	1200.000	840.200	1300.000	840.300	1400.000	0.000	0.000	0.000	0.000
SE	1.200	1.700	2.500	3.000	19.000	1.000	137.000	2.000	830.500	829.500
ET	0.000	900.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100

X1	510201.000	0.000	0.000	0.000	82.000	82.000	82.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	18.000	400.000	872.700	872.700	500.000	865.800	865.800	600.000	855.200	855.200
BT	700.000	850.000	849.200	800.000	846.900	638.500	900.000	843.100	832.800	1000.000
BT	840.100	833.200	1001.000	840.100	836.900	1009.400	840.100	836.900	1011.000	840.100
BT	833.200	1010.000	840.100	833.200	1010.000	840.100	836.900	1024.400	840.100	836.900
BT	1026.000	840.100	833.200	1100.000	840.100	832.100	1200.000	841.500	841.500	1300.000



\*\*\*\*\*  
 HEC2 RELEASE DATED NO. 76 UPDATED FEB 1977  
 ERROR CORR = 01  
 MODIFICATION = 50,51,52  
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T1 GUILFORD COUNTY FIA STUDY-100 YR FLOODWAY  
 T2 HAN RIVER(STREAM NO 44),NC 87 NN ALTAHANAH TO GUILFORD-FORSYTH CO LINE  
 T3 SEP 1977 DLG

J1	CHECK	IND	NINV	ICIR	STRT	METRIC	NVINS	0	WSEL	FQ
		50.	0.	0.	0.000000	0.00	0.0	0.	604.672	0.000

  

J2	MPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLOC	ISX	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 7

CCHV\* .200 CEHV\* .400  
 \*SECNO 294977.000

2800 NAT 01*	3851.91	WSEL*	603.67	ENC 01*	3851.91	WSEL*	604.67	RATIO*	0.0000
NAT 01*	4236.	RATIOS	LOB,CH,ROB*	.3322	.5954	.0723	WSEL*	604.67	
SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
U	VLOB	VCH	VROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XTL	XKCH	XNR	WTN	ELWIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	INITIAL	IPC	ICONT	CORAR	TOPHID	ENDST

3470 ENCROACHMENT STATIONS=	1443.4	1707.1	TYPE=	4	TARGET=	.091			
294977.00	21.27	604.67	0.00	603.67	603.11	.44	0.00	0.00	589.70
15000.	4670.	9745.	579.	1917.	1537.	227.	0.	0.	589.50
0.00	2.44	0.34	2.59	.120	.065	.120	0.000	583.40	1443.39
.001492	0.	0.	0.	0	0	0	0.00	603.74	1707.13

\*SECNO 295027.000  
 2800 NAT 01\* 4348.83 WSEL\* 604.05 ENC 01\* 4778.63 WSEL\* 604.05 RATIO\* -.0988  
 NAT 01\* 4779. RATIOS LOB,CH,ROB\* 0.0000 1.0000 0.0000 WSEL\* 604.05

3470 ENCROACHMENT STATIONS= 1472.0 1725.6 TYPE= 4 TARGET= 0.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLSA=	0.5.00	ELREA=	0.5.00						
295027.00	21.54	604.94	0.36	604.05	603.20	.20	.00	.04	602.00
15000.	0.	15000.	0.	0.	3650.	0.	0.	0.	603.10
.00	0.00	4.11	0.00	.120	.065	.120	.065	583.40	1472.00
.000961	50.	90.	50.	2	0	0	0.00	293.10	1725.60

\*SECNO 295028.000  
 2800 NAT 01\* 2673.44 WSEL\* 604.02 ENC 01\* 2673.44 WSEL\* 604.02 RATIO\* 0.0000  
 NAT 01\* 2914. RATIOS LOB,CH,ROB\* .3367 .5209 .0734 WSEL\* 604.02

3265 DIVIDED FLOW

THIS RUN EXECUTED 12 OCT 77 05.51

\*\*\*\*\*  
 MDC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR = 81  
 MODIFICATION = 50,51,52  
 \*\*\*\*\*

NOTE- ASTERISK [\*] AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SEP 1977 DLQ

SUMMARY PRINTOUT

SECNO	CWSEL	TOPWID	GLOB	LCM	OROB	SYENCL	STCH	STCHR	STENC
294977.000	603.67	403.14	4006.82	9166.43	1024.75	0.00	1613.00	1691.00	0.00
294977.000	604.67	283.74	4678.64	9245.24	970.92	1443.39	1613.00	1691.00	1767.13
295027.000	604.65	253.00	0.00	15000.00	0.00	0.00	1472.00	1725.00	0.00
295027.000	604.94	253.00	0.00	15000.00	0.00	1472.00	1672.00	1725.00	1725.00
295026.000	604.82	294.68	5759.33	8185.77	1699.91	0.00	1613.00	1691.00	0.00
295026.000	604.86	219.21	5624.47	8649.74	935.79	1366.89	1613.00	1691.00	1764.96
295052.000	604.10	292.68	5779.47	8196.39	1004.18	0.00	1613.00	1691.00	0.00
295052.000	604.90	219.95	5735.76	8492.63	911.91	1464.26	1613.00	1691.00	1767.10
295053.000	604.10	253.00	0.00	15000.00	0.00	0.00	1472.00	1725.00	0.00
295053.000	605.10	253.00	0.00	15000.00	0.00	1472.00	1472.00	1725.00	1725.00
295103.000	604.19	403.34	4681.30	9071.24	1047.46	0.00	1613.00	1691.00	0.00
295103.000	605.67	268.45	4775.50	9629.61	594.83	1439.72	1613.00	1691.00	1768.17
295399.000	604.66	332.65	474.90	14519.74	9.35	0.30	1563.00	1809.00	0.00
295399.000	605.50	246.00	0.00	15000.00	0.00	1563.00	1563.00	1809.00	1809.00
* 295400.000	607.79	363.66	0.00	14912.71	57.29	0.00	1491.00	1831.00	0.00
* 295400.000	607.80	339.21	0.70	15000.00	0.00	1491.00	1491.00	1831.00	1831.00
295401.000	609.10	447.94	2727.49	10092.50	1568.00	0.00	1625.00	1751.00	0.00
295401.000	609.07	344.00	2415.26	11113.10	1471.62	1491.00	1625.00	1751.00	1855.00
295402.000	609.17	446.05	2729.81	10088.45	1561.70	0.00	1625.00	1751.00	0.00
295402.000	609.10	364.00	2416.67	11109.04	1473.26	1491.00	1625.00	1751.00	1855.00
295403.000	609.22	446.21	2735.42	10078.79	1565.79	0.00	1625.00	1751.00	0.00
295403.000	609.12	364.00	2421.13	11101.62	1477.45	1491.00	1625.00	1751.00	1855.00
295410.000	609.26	446.54	2747.20	10098.20	1564.45	0.00	1625.00	1751.00	0.00
295410.000	609.17	364.00	2430.14	11083.49	1466.41	1491.00	1625.00	1751.00	1855.00
295420.000	605.34	449.27	2773.00	10113.75	1613.46	0.00	1625.00	1751.00	0.00
295420.000	609.27	364.00	2449.95	11043.76	1506.89	1491.00	1625.00	1751.00	1855.00

SECNO	CASEL	TOPWD	QLOS	QCH	QROB	STENCL	STCHL	STCHR	STENCR
295450.000	609.51	449.07	2766.81	13629.85	1888.14	0.00	1625.00	1751.00	0.00
295450.000	609.46	364.00	2448.70	11046.49	1504.89	1491.00	1625.00	1751.00	1855.00
295500.000	609.82	449.71	2795.43	10574.29	1629.58	0.00	1625.00	1751.00	0.00
295500.000	609.81	364.00	2475.66	10992.77	1931.57	1491.00	1625.00	1751.00	1855.00
295600.000	610.45	493.19	2987.35	10385.22	1787.42	0.00	1625.00	1751.00	0.00
295600.000	610.47	364.00	2597.60	10830.23	1612.17	1491.00	1625.00	1751.00	1855.00
296000.000	612.11	464.14	3221.26	9641.14	1937.59	0.00	1625.00	1751.00	0.00
296000.000	612.27	326.14	2813.87	10989.23	1196.98	1497.59	1625.00	1751.00	1817.54
297000.000	614.40	477.58	3523.67	9319.02	2157.31	0.00	1625.00	1751.00	0.00
297000.000	614.92	342.07	3174.70	10242.15	1583.15	1489.09	1625.00	1751.00	1831.16
298000.000	616.87	490.98	1339.99	9689.77	3600.24	0.00	1625.00	1751.00	0.00
298000.000	616.86	311.90	652.91	10547.04	3400.66	4575.92	1625.00	1751.00	4888.43
300000.000	619.16	970.51	1491.01	9884.23	4841.77	0.00	1625.00	1751.00	0.00
300000.000	619.92	332.91	924.68	9766.42	3914.90	4565.25	1625.00	1751.00	4898.16
308740.000	627.08	786.88	5796.83	3146.57	662.60	0.00	2665.00	2761.00	0.00
308740.000	627.90	433.91	5978.88	3614.47	6.65	2328.28	2665.00	2761.00	2762.19
311430.000	628.79	413.78	2334.22	8813.88	6492.19	0.00	1898.00	1861.00	0.00
311430.000	629.62	314.61	2067.88	6176.04	6356.88	918.51	1898.00	1861.00	1232.92
316700.000	632.29	485.32	4902.87	8745.82	697.91	0.00	2064.00	2146.00	0.00
316700.000	633.18	261.54	4919.33	9426.86	157.81	1894.00	2064.00	2146.00	2155.60
316750.000	632.33	485.71	4908.55	8734.29	697.10	0.00	2064.00	2146.00	0.00
316750.000	633.15	261.55	4921.12	9419.51	159.37	1894.00	2064.00	2146.00	2155.77
316751.000	632.33	435.34	481.50	8951.99	728.44	0.00	2064.00	2146.00	0.00
316751.000	633.13	259.80	4792.26	9528.55	219.20	1898.39	2064.00	2146.00	2158.16
316769.000	632.32	435.37	4821.84	8948.14	730.01	0.00	2064.00	2146.00	0.00
316769.000	633.16	258.64	4753.19	9533.35	213.46	1898.80	2064.00	2146.00	2157.52
316770.000	632.37	406.36	4913.63	8923.79	661.90	0.00	2064.00	2146.00	0.00
316770.000	633.19	261.97	4928.00	9410.96	161.95	1893.98	2064.00	2146.00	2155.95
316820.000	632.42	487.31	4923.60	8929.15	667.25	0.00	2064.00	2146.00	0.00
316820.000	633.24	264.32	4935.57	9388.67	175.76	1893.35	2064.00	2146.00	2157.67
317249.000	632.74	328.43	1671.80	11852.58	775.64	0.00	1276.00	1352.00	0.00
317249.000	633.54	170.45	1970.72	12664.44	264.85	1228.12	1276.00	1352.00	1398.57
317250.000	632.46	334.35	2265.76	10772.93	1488.29	0.00	1276.00	1352.00	0.00
317250.000	633.25	182.61	1896.55	11572.45	931.81	1229.60	1276.00	1352.00	1392.21
317251.000	632.95	372.92	2925.67	9401.24	2573.04	0.00	1276.00	1352.00	0.00
317251.000	633.85	223.59	2255.65	10017.52	2226.83	1194.65	1276.00	1352.00	1418.41
317252.000	632.99	372.82	2925.67	9401.24	2573.09	0.00	1276.00	1352.00	0.00
317252.000	633.85	223.49	2255.11	10018.56	2226.23	1194.92	1276.00	1352.00	1418.37

SECNO	CHSEL	TUPRIO	OLQH	QCH	OROB	STENCL	STCHL	STCHR	STENCR
317290.000	632.99	372.86	2926.40	9400.20	2573.40	6.00	1276.00	1392.00	0.00
317250.000	633.35	223.46	2255.73	10017.07	2226.40	1194.09	1276.00	1392.00	1418.37
317260.000	632.99	372.97	2927.71	9398.33	2573.96	0.00	1276.00	1392.00	0.00
317260.000	633.86	223.59	2257.05	10016.01	2226.93	1194.60	1276.00	1392.00	1418.39
317270.000	633.81	373.16	2930.31	9394.62	2575.87	0.00	1276.00	1392.00	0.00
317270.000	633.87	223.78	2259.68	10012.35	2227.97	1194.64	1276.00	1392.00	1418.42
323710.000	638.60	303.62	6385.95	7359.82	498.24	0.00	2043.00	2112.00	0.00
323710.000	639.65	333.54	6498.96	7673.65	27.40	1781.52	2043.00	2112.00	2115.00
323815.000	638.92	307.23	6396.20	7342.64	461.16	0.00	2043.00	2112.00	0.00
323815.000	639.71	334.61	6512.26	7657.22	30.50	1780.68	2043.00	2112.00	2115.29
323810.000	638.60	217.14	5499.32	7968.37	736.30	0.00	2044.00	2112.00	0.00
323810.000	639.65	180.95	5432.96	8215.57	550.46	1946.11	2044.00	2112.00	2127.06
323844.000	638.91	217.24	5499.26	7962.54	736.20	0.00	2044.00	2112.00	0.00
323844.000	639.70	180.84	5433.41	8216.00	550.59	1946.19	2044.00	2112.00	2127.02
323849.000	639.65	308.09	6426.20	7513.46	466.34	0.00	2043.00	2112.00	0.00
323849.000	639.82	336.97	6537.63	7625.67	36.70	1779.16	2043.00	2112.00	2115.73
323949.000	639.10	309.64	6433.19	7297.64	489.17	0.00	2043.00	2112.00	0.00
323949.000	639.86	337.64	6550.22	7609.56	48.20	1778.32	2043.00	2112.00	2115.97
324500.000	639.44	300.70	6337.56	7509.51	452.93	0.00	2043.00	2112.00	0.00
324500.000	640.22	331.15	6467.87	7712.33	19.81	1763.32	2043.00	2112.00	2114.46
325000.000	639.27	493.93	6298.55	7460.63	440.01	0.00	2043.00	2112.00	0.00
325000.000	640.54	326.13	6403.32	7789.31	7.56	1787.19	2043.00	2112.00	2113.32
326000.000	640.49	482.20	6192.50	7588.20	419.22	0.00	2043.00	2112.00	0.00
326000.000	641.30	319.92	6741.30	7458.70	6.00	1793.67	2043.00	2112.00	2112.00
332899.000	646.40	326.60	2812.07	8255.01	3032.93	0.00	1585.00	1664.00	2.68
332899.000	647.32	261.01	2559.41	8612.09	2926.50	1509.56	1585.00	1664.00	1790.56
332949.000	646.45	327.26	2812.92	8245.54	3041.54	0.00	1585.00	1664.00	0.00
332949.000	647.37	261.23	2559.23	8604.72	2936.04	1509.56	1585.00	1664.00	1790.79
332946.000	646.39	169.03	4439.27	8276.54	1184.19	0.00	1585.00	1664.00	0.00
332946.000	647.31	169.81	4464.98	8641.02	994.08	1517.49	1585.00	1664.00	1666.51
332974.000	646.47	199.07	4440.63	8270.13	1189.39	0.00	1585.00	1664.00	0.00
332974.000	647.39	169.27	4468.61	8633.35	998.03	1517.36	1585.00	1664.00	1666.53
332979.000	646.59	359.36	2815.57	8215.56	3068.06	0.00	1585.00	1664.00	0.00
332979.000	647.51	263.13	2566.51	8567.15	2966.34	1509.29	1585.00	1664.00	1792.53
333075.000	646.70	300.86	2797.40	8019.93	3027.59	0.00	1585.00	1664.00	0.00
333075.000	647.61	264.12	2514.75	8362.60	2922.65	1509.05	1585.00	1664.00	1793.17
348000.000	655.85	728.42	8282.90	5117.69	399.41	0.00	1822.00	1880.00	0.00
348000.000	656.83	493.87	9093.88	4700.12	0.00	1386.13	1822.00	1880.00	1880.38



SECD	SMSEL	TRPMD	CLDG	QDH	DRGG	STENCL	STCHL	STCHR	STENCR
358405.000	657.96	202.12	5983.27	3078.29	4747.44	0.00	3038.00	3035.00	0.00
358405.000	604.92	928.62	5836.25	3218.60	4980.95	2607.77	3038.00	3035.00	3000.39
358605.000	668.63	1325.19	5954.50	3857.45	4751.99	0.00	3038.00	3035.00	0.00
358605.000	668.99	624.81	5009.06	3203.16	4987.84	2485.38	3038.00	3035.00	3310.19
358806.000	659.82	198.74	4897.48	5397.57	4344.98	0.00	3037.00	3033.00	0.00
358806.000	668.75	194.97	3914.67	5720.48	4164.89	2982.71	3037.00	3033.00	3137.68
358834.000	659.95	198.30	4165.75	5243.07	4351.76	0.00	3037.00	3033.00	0.00
358834.000	668.88	155.65	3723.50	5782.33	4174.11	2982.38	3037.00	3033.00	3138.63
358839.000	668.37	1848.28	6031.82	3884.85	4763.82	0.00	3036.00	3033.00	0.00
358839.000	661.34	635.84	6050.25	3144.40	4605.33	2678.98	3036.00	3033.00	3314.52
358835.000	668.40	1848.74	5889.77	2828.52	4480.71	0.00	3038.00	3035.00	0.00
358835.000	661.40	637.59	5786.52	2991.98	4341.71	2677.54	3038.00	3035.00	3315.24
368356.000	663.63	545.56	6398.38	3346.52	63.30	0.00	1771.00	1833.00	0.00
368356.000	663.94	627.18	6523.82	3278.98	0.00	1339.51	1771.00	1833.00	1833.00
374828.000	666.76	1892.18	3438.60	1399.94	6981.45	0.00	1726.00	1759.00	0.00
374828.000	667.55	804.29	3119.59	1582.14	7178.31	1519.40	1726.00	1759.00	2323.69
374978.000	666.76	1894.78	3436.76	1394.21	6969.59	0.00	1726.00	1759.00	0.00
374978.000	667.62	806.84	3121.00	1498.17	7183.84	1518.73	1726.00	1759.00	2325.57
374979.000	666.23	957.77	5168.84	4983.41	1927.74	0.00	1726.00	1759.00	0.00
374979.000	667.62	144.60	4956.87	5301.28	1940.85	1644.32	1726.00	1759.00	1788.93
375021.000	666.73	785.89	5182.73	4742.87	1994.40	0.00	1726.00	1759.00	0.00
375021.000	667.55	355.63	4718.19	5093.05	1986.76	1646.25	1726.00	1759.00	2406.76
375022.000	667.63	1127.35	3489.86	1328.97	7881.37	0.00	1726.00	1759.00	0.00
375022.000	668.54	829.54	3111.41	1416.10	7270.40	1513.72	1726.00	1759.00	2343.27
375200.000	667.69	1129.22	2997.36	1810.38	9390.88	0.00	1726.00	1759.00	0.00
375200.000	668.60	922.91	3522.11	1862.91	5474.96	1484.79	1726.00	1759.00	2407.70
376045.000	667.75	3335.48	7641.74	463.13	895.13	0.00	3827.00	3881.00	0.00
376045.000	668.75	1000.00	4738.28	1539.33	2742.19	3380.00	3827.00	3881.00	4380.00
376145.000	667.76	3337.32	7641.19	462.95	895.08	0.00	3827.00	3881.00	0.00
376145.000	668.77	1000.00	4738.25	1538.23	2723.70	3380.00	3827.00	3881.00	4380.00
376146.000	667.72	866.00	4721.48	1960.91	2290.02	0.00	3823.00	3883.00	0.00
376146.000	668.76	866.00	4577.47	1874.75	2547.30	3534.00	3823.00	3883.00	4380.00
376174.000	667.75	866.00	4718.58	1978.22	2383.28	0.00	3823.00	3883.00	0.00
376174.000	668.78	866.00	4576.55	1873.59	2547.36	3534.00	3823.00	3883.00	4400.00
376175.000	667.82	3339.52	7638.52	462.84	899.44	0.00	3827.00	3881.00	0.00
376175.000	668.80	1000.00	4737.64	1535.77	2726.59	3380.00	3827.00	3881.00	4380.00
376250.000	667.82	3339.57	7638.43	462.81	899.37	0.00	3827.00	3881.00	0.00
376250.000	668.82	1000.00	4737.35	1534.85	2726.60	3380.00	3827.00	3883.00	4380.00

SECNO	CMSL	TOPHD	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCR
376323.000	667.61	1429.44	4333.07	4012.22	54.11	0.00	3616.00	4668.00	0.00
376323.000	668.83	990.60	3070.50	5827.41	102.60	3220.00	3616.00	4663.00	4200.00
376326.000	667.77	850.34	3384.80	2141.46	3473.74	0.00	3744.00	3790.00	0.00
376326.000	668.80	634.87	3361.57	2033.12	3609.31	3200.00	3744.00	3790.00	4200.00
376354.000	667.81	655.51	3389.94	2135.72	3474.34	0.00	3744.00	3790.50	0.00
376354.000	668.83	637.49	3363.91	2029.96	3606.93	3200.00	3744.00	3790.00	4260.00
376375.000	667.90	1461.55	4336.75	4605.79	56.45	0.00	3616.00	4665.00	0.00
376375.000	668.89	991.00	3069.43	5826.54	104.03	3200.00	3616.00	4666.00	4200.00
376433.000	667.92	1402.02	4192.43	4452.62	54.95	0.00	3616.00	4666.00	0.00
376433.000	668.91	991.09	2966.79	5632.14	101.07	3200.00	3616.00	4666.00	4200.00
385000.000	670.39	812.20	1169.47	1329.56	5970.87	0.00	2285.00	2336.00	0.00
385000.000	671.06	817.55	1295.97	1298.91	5540.12	2000.00	2285.00	2336.00	2930.00
390680.000	674.50	815.56	1241.33	1209.06	5549.61	0.00	2285.00	2336.00	0.00
390680.000	674.96	629.20	788.21	1514.60	5797.19	2193.60	2285.00	2336.00	2822.60
401630.000	684.70	1166.77	7078.25	1014.05	7.70	0.00	2110.00	2144.00	0.00
401630.000	685.71	665.41	6992.61	1107.39	0.00	1477.59	2110.00	2144.00	2144.00
408566.000	691.61	926.66	231.39	1773.70	6694.91	0.00	2800.00	2855.00	0.00
408566.000	692.40	577.33	0.00	1858.03	6241.97	2800.00	2800.00	2855.00	3377.33
408666.000	691.69	926.91	233.63	1764.31	6102.06	0.00	2800.00	2855.00	0.00
408666.000	692.54	579.77	0.00	1847.73	6252.27	2800.00	2800.00	2855.00	3379.77
408667.500	691.30	587.68	11.38	4347.65	3740.97	0.00	2807.00	2855.00	0.00
408667.000	692.06	120.48	0.00	4718.69	3361.31	2807.00	2807.00	2855.00	2927.46
408693.000	691.69	438.16	25.93	4131.16	3942.91	0.00	2807.00	2855.00	0.00
408693.000	692.47	175.24	0.00	4557.48	3542.52	2807.00	2807.00	2855.00	2982.24
408694.000	693.31	944.52	292.80	1689.48	6197.64	0.00	2800.00	2855.00	0.00
408694.000	693.27	605.41	0.00	1734.59	6365.41	2800.00	2800.00	2855.00	3405.41
408816.000	692.30	946.24	234.93	1662.07	6163.00	0.00	2800.00	2855.00	0.00
408816.000	693.34	692.98	0.00	1733.16	6366.84	2800.00	2800.00	2855.00	3402.98
409000.000	692.40	943.60	271.86	1693.14	6194.98	0.00	2800.00	2855.00	0.00
409000.000	693.44	603.99	0.00	1739.57	6360.43	2800.00	2800.00	2855.00	3463.99
410100.000	693.11	929.01	234.25	1701.76	6103.99	0.00	2800.00	2855.00	0.00
410000.000	694.06	580.59	0.00	1835.12	6264.88	2800.00	2800.00	2855.00	3380.59
411000.000	693.90	918.43	221.33	1817.62	6061.09	0.00	2800.00	2855.00	0.00
411000.000	694.84	563.03	0.00	1910.33	6189.07	2800.00	2800.00	2855.00	3363.03
415000.000	696.50	1124.61	4379.69	456.18	3252.03	0.00	2050.00	2079.00	0.00
415000.000	697.39	844.71	4365.35	543.46	3171.25	1616.43	2050.00	2079.00	2463.14
420328.000	700.40	1092.64	2672.95	1393.40	2730.55	0.00	2491.00	2533.00	0.00
420328.000	701.26	693.53	2664.77	1639.88	2695.35	2220.20	2491.00	2533.00	2873.81

SECNO	CNSL	TOPWID	QLGR	QCH	OROB	STENCL	STCHL	STCHR	STENCR
425357.000	788.29	1274.32	2875.37	1074.33	3059.10	0.00	2491.00	2533.00	0.00
425357.000	787.89	1273.53	2727.35	1223.78	3048.97	2177.88	2491.00	2533.00	2092.41
425507.000	786.39	1281.81	2875.19	1662.19	3062.62	0.00	2491.00	2533.00	0.00
425507.000	787.19	779.55	2731.39	1288.20	3059.71	2173.39	2491.00	2533.00	2094.58
425504.000	786.31	1075.18	1781.64	2918.35	2388.41	0.00	2491.00	2533.00	0.00
425504.000	787.39	527.70	1273.09	3382.91	2382.03	2266.91	2491.00	2533.00	2819.87
425532.000	786.88	1124.28	1935.85	2461.14	2883.81	0.00	2491.00	2533.00	0.00
425532.000	787.71	591.35	1591.83	2794.48	2693.69	2298.38	2491.00	2533.00	2849.66
425533.000	787.19	1333.38	2879.50	978.93	3141.57	0.00	2491.00	2533.00	0.00
425533.000	788.12	819.48	2799.28	1893.68	3147.15	2159.87	2491.00	2533.00	2479.28
425603.000	787.18	1335.83	2879.88	975.85	3144.69	0.00	2491.00	2533.00	0.00
425603.000	788.19	821.15	2768.38	1898.51	3149.13	2198.98	2491.00	2533.00	2903.12
429888.000	789.81	864.83	881.18	897.42	5226.48	0.00	688.00	631.00	0.00
429888.000	718.64	876.41	223.63	1888.08	9738.29	368.98	688.00	631.00	2243.37
433200.000	715.34	1018.42	1887.87	777.81	5214.32	0.00	688.00	631.00	0.00
433200.000	718.14	718.22	501.93	895.51	5882.55	536.78	688.00	631.00	2294.68
433563.000	715.78	718.39	1441.68	2283.83	2454.91	0.00	2193.00	2199.00	0.00
433563.000	716.93	399.22	1383.49	2292.52	2503.99	2082.49	2193.00	2199.00	2437.71
433927.000	716.68	712.82	1432.71	2227.89	2448.19	0.00	2193.00	2199.00	0.00
433927.000	717.32	398.11	1288.81	2388.85	2471.34	2044.35	2193.00	2199.00	2434.46
434027.000	718.99	732.98	1461.74	2192.38	2483.98	0.00	2193.00	2199.00	0.00
434027.000	717.58	484.84	1318.38	2285.82	2518.82	2037.89	2193.00	2199.00	2443.74
434028.000	716.58	75.44	747.84	5155.38	197.28	0.00	2193.00	2199.00	0.00
434028.000	717.19	64.68	617.88	5483.88	0.00	2134.35	2193.00	2199.00	2199.00
434052.000	717.87	373.25	611.15	5847.23	241.81	0.00	2193.00	2199.00	0.00
434052.000	718.48	78.44	618.21	5359.78	122.89	2133.94	2193.00	2199.00	2224.38
434053.000	720.13	942.88	1889.38	1588.58	2794.12	0.00	2193.00	2199.00	0.00
434053.000	720.89	788.88	1999.83	1524.38	2579.78	1888.88	2193.00	2199.00	2588.88
434133.000	720.17	948.88	1888.93	1495.93	2795.54	0.00	2193.00	2199.00	0.00
434133.000	720.88	788.88	1998.93	1521.31	2579.78	1888.88	2193.00	2199.00	2588.88
435298.000	721.97	1199.88	3498.11	369.22	248.57	0.00	2221.00	2245.00	0.00
435298.000	721.28	881.54	5791.88	348.14	0.00	1443.48	2221.00	2245.00	2245.00
436898.000	720.87	1136.82	5812.98	382.38	284.52	0.00	2221.00	2245.00	0.00
436898.000	721.58	778.85	5733.48	346.88	0.00	1466.15	2221.00	2245.00	2245.00
443928.000	725.62	288.33	437.79	4885.85	1279.17	0.00	2268.88	2315.88	0.00
443928.000	726.89	138.88	0.00	4696.35	1183.45	2268.88	2268.88	2315.88	2487.48
444888.000	728.85	97.88	0.00	5888.88	0.00	0.00	2228.88	2338.88	0.00
444888.000	729.81	181.18	0.00	5888.88	0.00	2228.88	2228.88	2338.88	2338.88

SECNO	CMSL	TOPWID	QLOB	QCH	OROB	STENCL	STCHL	STCHR	STENCR
444087.000	728.02	99.95	0.00	5000.00	0.00	0.00	2228.00	2338.00	0.00
444087.000	728.98	99.83	0.00	5000.00	0.00	2228.00	2228.00	2338.00	2338.00
444113.000	728.55	98.89	0.00	5000.00	0.00	0.00	2228.00	2338.00	0.00
444113.000	729.33	101.22	0.00	5000.00	0.00	2228.00	2228.00	2338.00	2338.00
444114.000	728.65	99.84	0.00	5000.00	0.00	0.00	2228.00	2338.00	0.00
444114.000	729.40	102.63	0.00	5000.00	0.00	2228.00	2228.00	2338.00	2338.00
444234.000	729.80	922.71	2261.38	2041.82	1756.60	0.00	2250.00	2319.00	0.00
444234.000	730.40	575.65	2203.32	2470.03	1126.65	1841.65	2200.00	2319.00	2421.90
447585.000	731.80	1040.16	3120.90	437.90	2241.04	0.00	2154.00	2179.00	0.00
447585.000	732.69	655.39	3152.60	521.74	2126.16	1801.50	2154.00	2179.00	2456.90
454970.000	739.98	437.05	2402.20	2880.92	217.22	0.00	3008.00	3038.00	0.00
454970.000	740.77	275.38	2342.00	2875.08	282.88	2800.00	3008.00	3038.00	3100.00
455020.000	741.49	486.59	3125.00	2118.24	256.10	0.00	3008.00	3038.00	0.00
455020.000	741.80	211.23	2884.19	2615.81	0.00	2826.77	3008.00	3038.00	3038.00
455021.000	742.95	480.90	1413.10	3531.10	455.74	0.00	3008.00	3038.00	0.00
455021.000	742.80	390.54	1254.71	3502.94	442.34	2750.00	3008.00	3038.00	3200.00
455039.000	744.30	571.90	2107.00	2703.94	629.00	0.00	3008.00	3038.00	0.00
455039.000	744.27	380.49	1894.70	3118.17	687.05	2800.00	3008.00	3038.00	3200.00
455040.000	744.99	585.30	3010.90	1349.59	339.43	0.00	3008.00	3038.00	0.00
455040.000	745.12	285.59	3023.54	1675.45	0.00	2752.41	3008.00	3038.00	3038.00
455080.000	745.02	500.19	3513.99	1345.47	340.25	0.00	3008.00	3038.00	0.00
455080.000	745.19	280.37	3634.91	1665.08	0.00	2751.63	3008.00	3038.00	3038.00
456030.000	745.67	457.28	1206.40	584.95	3348.50	0.00	152.00	179.00	0.00
456030.000	746.10	359.52	1204.45	923.30	3372.25	74.19	152.00	179.00	429.71
457080.000	746.25	509.38	4703.00	612.17	123.97	0.00	1785.00	1808.00	0.00
457080.000	746.60	460.47	4938.48	561.52	0.00	1341.53	1785.00	1808.00	1808.00
457750.000	746.84	570.60	4736.40	646.29	117.30	0.00	1785.00	1808.00	0.00
457750.000	747.29	493.64	4895.67	604.33	0.00	1350.30	1785.00	1808.00	1808.00
459480.000	749.09	500.11	4607.00	704.71	107.45	0.00	1785.00	1808.00	0.00
459480.000	749.74	354.45	4725.63	774.30	0.00	1453.55	1785.00	1808.00	1808.00
461210.000	752.33	558.19	4600.71	713.17	106.12	0.00	1785.00	1808.00	0.00
461210.000	753.29	374.50	4706.50	733.44	0.00	1433.50	1785.00	1808.00	1808.00
461300.000	752.51	500.43	4608.99	703.37	107.64	0.00	1785.00	1808.00	0.00
461300.000	753.40	377.42	4779.24	720.76	0.00	1430.50	1785.00	1808.00	1808.00
461500.000	752.85	563.90	4700.70	689.45	109.00	0.00	1785.00	1808.00	0.00
461500.000	753.79	364.08	4799.70	700.30	0.00	1423.92	1785.00	1808.00	1808.00
462000.000	753.54	570.92	4721.00	604.22	114.09	0.00	1785.00	1808.00	0.00
462000.000	754.47	395.01	4835.00	664.32	0.00	1412.39	1785.00	1808.00	1808.00

SECNO	CWSEL	TOPKID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STEXCR
463900.000	754.98	575.99	4744.39	636.47	119.14	0.00	1765.00	1808.00	0.00
463900.000	755.49	488.52	4889.09	619.91	0.00	1399.58	1705.00	1808.00	1808.00
464000.000	755.39	585.86	4756.98	629.53	122.20	0.00	1765.00	1808.00	0.00
464000.000	756.30	412.43	4896.02	663.98	0.00	1395.57	1785.00	1808.00	1808.00
465000.000	756.09	590.04	4769.10	610.61	124.29	0.00	1765.00	1765.00	0.00
465000.000	756.98	443.64	4933.84	566.16	0.00	1304.30	1795.00	1808.00	1808.00
469553.000	759.71	835.77	1705.26	1634.16	1600.63	0.00	2305.00	2330.00	0.00
469553.000	760.39	529.62	1623.61	1749.03	1627.37	2028.77	2305.00	2330.00	2577.29
469763.000	750.50	81.16	0.00	5000.00	0.00	0.00	2276.00	2362.00	0.00
469763.000	760.27	81.03	0.00	5000.00	0.00	2276.00	2276.00	2362.00	2362.00
469784.000	759.67	78.47	359.62	4299.49	340.08	0.00	2305.00	2330.00	0.00
469784.000	759.30	40.49	201.19	4611.73	187.98	2294.91	2305.00	2330.00	2344.16
469730.000	760.03	82.58	448.27	4154.29	485.49	0.00	2305.00	2330.00	0.00
469730.000	760.71	95.23	312.15	4367.71	300.13	2290.90	2305.00	2330.00	2346.29
469737.000	760.80	89.99	0.00	5000.00	0.00	0.00	2276.00	2362.00	0.00
469737.000	761.73	86.00	0.00	5000.00	0.00	2276.00	2276.00	2362.00	2362.00
469837.000	761.74	911.67	1838.10	1238.45	1933.37	0.00	2305.00	2330.00	0.00
469837.000	762.49	624.37	1773.30	1308.77	1923.85	2017.05	2305.00	2330.00	2641.02
470920.000	762.24	651.53	1348.26	566.93	3764.81	0.00	969.00	907.00	0.00
470920.000	762.90	618.05	1224.05	422.76	3353.17	783.02	969.00	987.00	1401.87
473204.000	764.23	1036.67	1345.76	1160.34	2293.97	0.00	2200.00	2230.00	0.00
473204.000	764.98	433.89	1077.27	1408.38	2314.37	2005.70	2200.00	2230.00	2499.04
473404.000	764.61	170.00	0.00	4800.00	0.00	0.00	2100.00	2270.00	0.00
473404.000	765.35	170.00	0.00	4800.00	0.00	2100.00	2100.00	2270.00	2270.00
473405.000	764.50	177.09	2015.13	1825.95	930.92	0.00	2200.00	2230.00	0.00
473405.000	765.19	149.47	2069.12	2161.38	608.49	2114.53	2200.00	2230.00	2225.90
473419.000	764.76	178.45	2059.07	1788.91	963.42	0.00	2200.00	2230.00	0.00
473419.000	765.43	131.77	2106.93	2674.00	619.00	2113.69	2200.00	2230.00	2256.44
473416.000	764.80	170.00	0.00	4800.00	0.00	0.00	2100.00	2270.00	0.00
473416.000	765.74	170.00	0.00	4800.00	0.00	2100.00	2100.00	2270.00	2270.00
473616.000	765.49	1104.60	1513.98	927.83	2350.19	0.00	2200.00	2230.00	0.00
473616.000	766.24	566.93	1338.00	1096.13	2369.81	1996.39	2200.00	2230.00	2564.92
476070.000	768.22	431.83	2294.36	501.38	1794.24	0.00	870.00	900.00	0.00
476070.000	769.13	265.16	2226.03	967.55	1606.62	736.77	870.00	900.00	1001.80
* 477310.000	769.50	000.20	2479.24	400.39	1860.06	0.00	720.00	742.00	0.00
* 477310.000	770.48	462.21	2532.91	554.21	1719.08	430.47	720.00	742.00	912.60
* 478930.000	770.41	1942.09	1008.39	774.80	2354.81	0.00	1700.00	1730.00	0.00
* 478930.000	771.40	676.00	1291.50	926.62	2627.09	1522.49	1700.00	1730.00	2194.55

SECNO	CWSEL	TOPPID	QLOB	GCH	OROB	STENCL	STCHL	SICHR	STENCR
479000.000	770.77	1430.00	1716.22	860.46	2223.32	0.00	1700.00	1730.00	0.00
479000.000	771.71	004.19	1290.04	1034.70	2475.30	1527.54	1700.00	1730.00	2131.70
479500.000	771.29	1290.04	1740.30	942.22	2107.47	0.00	1700.00	1730.00	0.00
479500.000	772.20	949.53	1327.29	1142.45	2330.20	1530.90	1700.00	1730.00	2080.43
483000.000	779.74	501.13	1997.78	1351.02	1047.20	0.00	1000.00	1021.00	0.00
483000.000	780.62	320.90	2164.74	1573.40	601.79	1450.83	1000.00	1021.00	1792.19
483900.000	779.84	110.30	0.00	4400.00	0.00	0.00	1000.00	1021.00	0.00
483900.000	780.02	113.40	0.00	4400.00	0.00	1000.00	1000.00	1021.00	1759.00
483985.000	779.85	100.33	0.00	4400.00	0.00	0.00	1000.00	1021.00	0.00
483985.000	780.02	114.00	0.00	4400.00	0.00	1000.00	1000.00	1021.00	1759.00
484010.000	780.77	113.04	0.00	4400.00	0.00	0.00	1000.00	1021.00	0.00
484010.000	781.29	116.04	0.00	4399.96	0.00	1300.00	1000.00	1021.00	1759.00
484010.000	780.87	110.92	0.00	4400.00	0.00	0.00	1000.00	1021.00	0.00
484010.000	781.30	117.55	0.00	4400.00	0.00	1400.00	1000.00	1021.00	1051.00
484110.000	781.02	027.29	2340.03	1029.59	1021.92	0.00	1000.00	1021.00	0.00
484110.000	782.10	427.17	2437.33	1179.22	783.40	1377.27	1000.00	1021.00	1010.77
494711.000	790.34	091.91	2104.00	729.43	065.91	0.00	1000.00	1021.00	0.00
494711.000	791.10	432.42	2200.13	789.02	050.00	045.79	1000.00	1021.00	1000.90
494761.000	789.51	33.00	0.00	3700.00	0.00	0.00	900.00	1017.00	0.00
494761.000	790.47	33.00	0.00	3700.00	0.00	900.00	900.00	1017.00	1017.00
494799.000	789.07	33.00	0.00	3700.00	0.00	0.00	900.00	1017.00	0.00
494799.000	790.57	33.00	0.00	3700.00	0.00	0.00	900.00	1017.00	0.00
494849.000	791.09	774.50	2240.21	011.40	442.30	0.00	1000.00	1021.00	0.00
494849.000	792.10	400.00	2150.50	730.32	011.10	700.00	1000.00	1021.00	1100.00
495000.000	791.74	720.77	2204.30	040.00	040.90	0.00	1000.00	1021.00	0.00
495000.000	792.20	377.19	1742.50	010.01	1137.59	000.00	1000.00	1021.00	1200.00
495500.000	792.07	032.50	2024.44	797.72	077.03	0.00	1000.00	1021.00	0.00
495500.000	792.00	307.00	2100.00	991.91	049.70	095.50	1000.00	1021.00	1003.45
496000.000	792.70	099.57	1017.01	975.77	907.22	0.00	1000.00	1021.00	0.00
496000.000	793.40	307.59	2020.77	1171.09	002.10	740.50	1000.00	1021.00	1054.50
497000.000	795.50	200.39	1097.51	1100.91	933.57	0.00	1000.00	1021.00	0.00
497000.000	796.40	200.25	1010.42	1310.01	000.07	799.49	1000.00	1021.00	1055.74
502130.000	010.50	404.03	2599.24	303.02	40.00	0.00	1000.00	1021.00	0.00
502130.000	011.30	277.10	2599.75	400.29	0.00	740.02	1000.00	1021.00	1020.00
505237.000	020.92	444.50	2599.73	420.20	20.99	0.00	1000.00	1021.00	0.00
505237.000	021.41	200.70	2490.31	501.09	0.00	779.30	1000.00	1021.00	1020.00
505407.000	021.00	007.30	2399.01	004.01	10.00	0.00	1001.00	1022.00	0.00
505407.000	022.31	203.27	2194.99	001.01	0.00	700.73	1001.00	1022.00	1022.00

SECNO	CNSEL	TOPMID	QLOB	QCH	QROB	STENCL	STCHL	STCHR	STENCH
* 505513.000	824.79	518.87	2485.39	575.93	19.69	0.00	1001.00	1052.00	0.00
* 505513.000	825.67	556.43	2345.96	654.84	0.00	695.57	1001.00	1052.00	1052.00
505713.000	824.86	683.07	1314.53	192.38	933.09	0.00	1000.00	1011.00	0.00
→ 505713.000	825.74	408.14	1383.59	176.13	840.29	731.46	1000.00	1011.00	1139.50
505800.000	824.89	595.63	1304.14	156.25	939.60	0.00	1000.00	1011.00	0.00
505800.000	825.77	399.91	1373.39	181.57	845.03	737.47	1000.00	1011.00	1137.39
505900.000	824.93	588.52	1293.46	180.30	946.23	0.00	1000.00	1011.00	0.00
505900.000	825.81	391.66	1362.50	187.36	859.14	743.55	1000.00	1011.00	1135.20
506500.000	825.41	320.96	860.35	585.60	754.04	0.00	1000.00	1022.00	0.00
506500.000	826.28	172.88	825.94	705.65	668.41	915.92	1000.00	1022.00	1069.00
507500.000	828.42	314.90	691.24	680.51	748.25	0.00	1000.00	1022.00	0.00
507500.000	829.21	167.33	812.51	730.89	657.40	919.68	1000.00	1022.00	1087.02
510019.000	836.32	317.92	855.86	592.74	751.19	0.00	1000.00	1020.00	0.00
510019.000	837.11	189.62	818.75	718.78	662.47	918.35	1000.00	1022.00	1067.97
510119.000	836.67	328.79	825.22	613.75	761.83	0.00	1000.00	1026.00	0.00
510119.000	837.46	181.70	785.67	752.11	662.22	911.62	1000.00	1026.00	1093.33
* 510201.000	846.81	439.84	979.66	398.48	821.85	0.00	1000.00	1026.00	0.00
* 510201.000	840.64	380.00	739.54	477.77	982.69	900.00	1000.00	1026.00	1200.00
510301.000	840.84	436.23	982.98	392.65	824.25	0.00	1000.00	1022.00	0.00
510301.000	840.88	380.00	770.24	461.81	967.95	900.00	1000.00	1022.00	1200.00
510500.000	840.89	416.34	969.12	421.76	809.11	0.00	1000.00	1022.00	0.00
510500.000	840.95	234.91	948.15	496.76	755.04	875.27	1000.00	1022.00	1113.98
510700.000	840.97	396.84	945.93	454.59	799.46	0.00	1000.00	1022.00	0.00
510700.000	841.00	214.46	925.57	543.57	730.46	890.23	1000.00	1022.00	1104.69
511000.000	841.19	360.46	907.37	509.46	783.17	0.00	1000.00	1022.00	0.00
511000.000	841.36	198.22	873.16	616.58	710.16	901.71	1000.00	1022.00	1099.93
511200.000	842.00	316.26	893.25	597.23	749.93	0.00	1000.00	1022.00	0.00
511200.000	842.49	188.40	805.75	741.17	693.08	919.06	1000.00	1022.00	1087.47
512000.000	843.92	302.27	829.91	635.56	734.92	0.00	1000.00	1022.00	0.00
512000.000	844.63	156.64	781.10	787.85	631.05	925.90	1000.00	1022.00	1092.53
514780.000	858.64	122.88	298.85	562.74	568.91	0.00	1000.00	1012.00	0.00
514780.000	859.59	56.53	205.78	672.24	491.98	986.24	1000.00	1012.00	1042.77
514930.000	859.58	136.72	316.89	700.00	317.95	0.00	1000.00	1023.00	0.00
514930.000	860.46	62.88	232.46	897.89	245.44	982.36	1000.00	1023.00	1044.45
514950.000	860.38	149.36	339.95	693.54	336.51	0.00	1000.00	1023.00	0.00
514950.000	861.26	69.58	266.10	806.17	297.72	977.75	1000.00	1023.00	1047.33
515050.000	860.56	153.36	327.17	486.33	486.20	0.00	1000.00	1012.00	0.00
515050.000	861.51	74.55	274.40	498.98	486.62	975.64	1000.00	1012.00	1049.60

SECNO	CMSL	TOPWD	QLOB	DCH	QPOB	STENCL	STCHL	STCHR	STENCR
515130.000	866.65	195.68	331.25	400.74	468.86	0.00	1000.00	1012.00	0.00
515130.000	861.63	72.19	286.73	461.02	472.25	974.06	1000.00	1012.00	1046.23

SUMMARY OF ERRORS

CAUTION SECNO\*\*\*\*\* PROFILE# 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO\*\*\*\*\* PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO\*\*\*\*\* PROFILE# 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO\*\*\*\*\* PROFILE# 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO\*\*\*\*\* PROFILE# 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO\*\*\*\*\* PROFILE# 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO\*\*\*\*\* PROFILE# 1 MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO\*\*\*\*\* PROFILE# 1 HYDRAULIC JUMP U.S.  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 HYDRAULIC JUMP U.S.

CAUTION SECNO\*\*\*\*\* PROFILE# 1 HYDRAULIC JUMP U.S.  
 CAUTION SECNO\*\*\*\*\* PROFILE# 2 HYDRAULIC JUMP U.S.



FLOODWAY DATA, CFP 1977 DLO  
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
294977.000	204.	3681.	4.1	604.7	603.9	.8
295027.000	253.	3650.	4.1	602.8	604.1	.9
295028.000	219.	3258.	4.6	604.8	604.0	.8
295052.000	220.	3296.	4.6	605.0	604.1	.9
295053.000	253.	3691.	4.1	605.1	604.2	.9
295103.000	268.	3829.	3.9	605.1	604.2	.9
295399.000	246.	4531.	3.3	605.6	604.7	.9
295400.000	339.	1328.	11.3	607.6	607.6	0.0
295401.000	364.	2527.	5.9	609.2	609.2	0.0
295402.000	364.	2530.	5.9	609.2	609.2	0.0
295409.000	364.	2538.	5.9	609.2	609.2	0.0
295410.000	364.	2559.	5.9	609.3	609.3	0.0
295420.000	364.	2593.	5.8	609.3	609.3	0.0
295450.000	364.	2590.	5.8	609.5	609.5	0.0
295500.000	364.	2643.	5.7	609.8	609.8	0.0
295600.000	364.	2813.	5.3	610.4	610.4	0.0
296000.000	320.	3029.	5.0	612.5	612.1	.2
297000.000	342.	3893.	3.8	614.9	614.4	.5
298000.000	312.	3204.	4.2	616.7	616.1	.6
300000.000	353.	4279.	3.4	620.0	619.2	.8
308740.000	434.	5577.	2.6	627.9	627.1	.8
311430.000	315.	5947.	2.5	629.6	628.8	.8
316700.000	262.	4303.	3.4	633.1	632.3	.8
316750.000	262.	4315.	3.4	633.1	632.3	.8
316751.000	268.	3950.	3.7	633.1	632.3	.8
316769.000	259.	3942.	3.7	633.2	632.4	.8
316770.000	262.	4311.	3.3	633.2	632.4	.8
316820.000	264.	4364.	3.3	633.2	632.4	.8
317249.000	176.	3272.	4.4	633.5	632.7	.8
317250.000	103.	2555.	5.7	633.2	632.5	.7
317251.000	224.	3849.	4.1	633.2	633.0	.2
317252.000	223.	3848.	4.1	633.2	633.0	.2
317253.000	223.	3849.	4.1	633.9	633.0	.9
317260.000	224.	3991.	4.1	633.9	633.0	.9
317270.000	224.	3559.	4.1	633.9	633.0	.9
323719.000	334.	5333.	2.7	639.7	638.9	.8
323810.000	339.	5363.	2.6	639.7	638.9	.8
323816.000	181.	3877.	4.0	639.7	638.9	.8
323844.000	181.	3883.	4.0	639.7	638.9	.8
323845.000	337.	5422.	2.6	639.8	639.0	.8
323945.000	338.	5451.	2.6	639.9	639.1	.8
324500.000	331.	5222.	2.7	640.2	639.4	.8
325000.000	328.	5200.	2.8	640.6	639.8	.8
326000.000	319.	4913.	2.9	641.3	640.5	.8
332022.000	281.	4430.	3.2	647.3	646.4	.9
332945.000	281.	4414.	3.2	647.3	646.4	.9
332946.000	189.	3074.	4.6	647.5	646.4	.9
332974.000	169.	3080.	4.6	647.4	646.5	.9
332975.000	203.	4473.	3.2	647.5	646.6	.9
333072.000	204.	4522.	3.1	647.6	646.7	.9

↑ Alamance County  
 Guilford County  
 ↓ Rockingham County

FLOODWAY DATA, SEP 1977 DLG  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
348800.000	494.	7181.	1.9	655.6	655.6	1.0
358400.000	621.	7950.	1.5	661.0	660.8	1.0
358600.000	625.	9136.	1.5	661.0	660.8	1.0
358608.000	152.	2055.	5.2	660.7	659.8	.9
358634.000	156.	2602.	5.1	660.8	659.9	.9
358637.000	635.	7480.	1.5	661.4	660.4	1.0
358638.000	638.	9520.	1.5	661.4	660.4	1.0
368550.000	497.	6860.	1.7	663.9	663.0	.9
374828.000	804.	8881.	1.3	667.6	666.7	.9
374978.000	807.	8954.	1.3	667.7	666.8	.9
374979.000	145.	1749.	6.7	667.6	666.2	.8
375021.000	356.	2661.	5.9	667.5	666.7	.8
375022.000	630.	9277.	1.2	668.5	667.6	.9
375200.000	923.	10790.	.8	668.6	667.7	.9
375035.000	1000*	9695.	.9	668.5	667.8	1.0
376145.000	1000.	9713.	.9	668.6	667.8	1.0
376146.000	866.	6297.	1.4	668.7	667.7	1.0
376174.000	860.	6333.	1.4	668.8	667.8	1.0
376175.000	1000*	9749.	.9	668.8	667.8	1.0
376200.000	1000*	9775.	.9	668.8	667.8	1.0
376327.000	921.	9011.	1.0	668.8	667.8	1.0
376328.000	635.	4562.	2.0	668.8	667.8	1.0
376354.000	635.	4577.	2.0	668.8	667.8	1.0
376355.000	951.	9068.	1.0	668.9	667.9	1.0
376455.000	951.	9083.	1.0	668.9	667.9	1.0
385000.000	818.	6713.	1.3	671.1	670.1	1.0
370000.000	629.	5253.	1.5	672.0	671.0	.9
401030.000	666.	4712.	1.7	672.7	671.7	1.0
408900.000	577.	5048.	1.6	672.4	671.6	.8
408660.000	580.	5100.	1.5	672.6	671.7	.9
408667.000	120.	1171.	6.0	672.1	671.3	.8
408693.000	175.	1300.	3.0	672.2	671.7	.8
408894.000	605.	5719.	1.4	673.3	672.3	1.0
408010.000	603.	5736.	1.4	673.4	672.4	1.0
409000.000	604.	5684.	1.4	673.5	672.5	1.0
410000.000	581.	5179.	1.8	674.1	673.1	1.0
411000.000	563.	4813.	5.7	674.0	673.9	.9
412000.000	847.	7364.	1.1	677.4	676.5	.9
420320.000	624.	3927.	2.0	701.3	700.2	.8
425357.000	774.	5470.	1.3	707.1	706.3	.8
425507.000	780.	5528.	1.3	707.2	706.4	.8
420000.000	520.	1700.	4.0	707.1	706.3	.8
420000.000	591.	2063.	3.0	707.7	706.8	.9
420000.000	619.	2660.	1.1	708.1	707.1	1.0
420000.000	621.	2638.	1.1	708.2	707.2	1.0
420000.000	676.	3781.	1.9	710.0	709.0	.8
433200.000	710.	4855.	1.4	710.1	709.3	.8
433000.000	395.	2545.	2.4	710.0	709.0	.8
433000.000	390.	2440.	2.8	707.3	706.7	.6
434000.000	400.	2500.	2.3	717.0	717.0	.0

Roxborough County  
 Guilford County

FLOODWAY DATA, SEP 1977 DLO  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
434000.000	65.	576.	10.6	717.2	716.6	.6
434020.000	75.	700.	8.7	718.5	717.9	.6
434050.000	700.	5201.	1.1	720.0	720.1	.7
434130.000	760.	5562.	1.1	720.9	720.2	.7
434500.000	602.	7702.	.6	721.5	720.0	.7
436850.000	779.	7645.	.9	721.0	720.9	.7
43920.000	150	260	0.9	720.1	720.2	.5
444000.000	101.	806.	7.2	729.1	728.1	1.0
444050.000	100.	782.	7.4	729.0	728.0	1.0
444110.000	101.	817.	7.1	729.4	728.0	.4
444140.000	103.	840.	6.9	729.4	728.7	.7
444200.000	576.	3272.	1.8	730.4	729.9	.5
447500.000	655.	5435.	1.1	732.2	731.9	.3
454970.000	275.	1871.	9.1	740.8	740.0	.8
455020.000	211.	1142.	4.9	741.8	741.2	.6
455021.000	391.	1040.	5.3	742.9	743.0	-.1
455030.000	386.	1504.	3.7	744.4	744.4	0.0
455040.000	384.	2320.	2.4	745.1	745.0	.1
455080.000	286.	2345.	2.3	745.2	745.0	.2
455090.000	386.	3860.	1.4	746.1	746.1	0.0
457000.000	466.	3972.	1.4	746.0	746.2	-.2
457750.000	494.	3406.	1.6	747.2	746.0	1.2
459400.000	354.	2451.	2.2	749.0	749.1	-.1
461330.000	374.	2663.	2.1	753.3	752.3	1.0
461700.000	377.	2746.	2.0	753.4	752.5	.9
461800.000	364.	2676.	1.9	753.7	752.6	.9
462600.000	396.	3145.	1.7	754.4	753.5	.9
463800.000	409.	3409.	1.6	755.5	754.6	.9
464000.000	412.	3600.	1.5	756.3	755.4	.9
465000.000	444.	4041.	1.4	757.0	756.1	.9
466000.000	530.	5073.	1.6	760.4	759.7	.7
469700.000	64.	602.	7.3	760.3	759.5	.8
469740.000	40.	499.	10.0	759.0	759.1	-.1
469760.000	57.	566.	6.5	760.7	760.0	.7
469770.000	66.	667.	6.2	761.7	760.8	.9
469837.000	624.	4802.	1.0	762.5	761.7	.8
470920.000	610.	4507.	1.1	762.9	762.2	.7
473200.000	434.	2412.	2.0	765.0	764.3	.7
473400.000	170.	1335.	4.2	765.3	764.6	.7
473400.000	120.	845.	5.7	765.2	764.6	.6
473410.000	132.	877.	5.5	765.5	764.8	.7
473410.000	170.	1201.	5.0	765.8	764.9	.9
473610.000	569.	3640.	1.3	766.2	765.5	.7
476070.000	265.	1958.	2.4	769.1	768.2	.9
477310.000	462.	3015.	1.3	770.5	769.5	1.0
478230.000	676.	4213.	1.1	771.4	770.4	1.0
479000.000	684.	3922.	1.4	771.0	770.8	1.0
479200.000	550.	3024.	1.6	772.3	771.3	1.0
483600.000	321.	1711.	2.6	780.0	779.7	.3
483600.000	110.	682.	6.8	780.0	779.8	1.0

MST  
 1000 ft  
 1000 ft  
 1000 ft

Remove with 456030 removed 2/7

*[Handwritten signature]*

FLOODWAY DATA, SEP 1977 DLO  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
483900.000	114.	649.	6.8	780.9	779.9	1.0
484010.000	117.	702.	6.3	781.3	780.0	.3
484110.000	110.	779.	5.1	781.4	780.9	.5
484110.000	427.	2764.	1.6	782.2	781.8	.4
484711.000	432.	2901.	1.3	791.1	790.3	.8
484720.000	34.	376.	9.3	790.5	789.5	1.0
484799.000	35.	401.	9.2	790.0	789.9	.1
484849.000	400.	3180.	1.2	792.2	791.7	.5
485000.000	377.	2750.	1.3	792.7	791.7	1.0
485000.000	360.	2235.	1.7	792.6	792.0	.6
485000.000	300.	1648.	2.7	793.4	792.7	.7
487000.000	260.	1339.	2.8	796.4	795.5	.9
487130.000	277.	1580.	1.9	811.4	810.0	1.4
500237.000	239.	1111.	2.7	821.4	820.5	.9
500487.000	263.	1502.	2.0	822.3	821.4	.9
500513.000	356.	3054.	1.0	825.7	824.0	1.7
500713.000	408.	2882.	.8	825.0	824.9	.1
500800.000	460.	2724.	.9	825.8	824.9	.9
500900.000	390.	2672.	.9	829.0	824.9	4.1
500900.000	172.	958.	2.3	826.2	825.4	.8
500900.000	167.	893.	2.5	829.2	828.4	.8
510017.000	170.	921.	2.4	837.1	836.3	.8
510117.000	162.	893.	2.3	837.5	836.7	.8
510401.000	366.	2187.	1.0	840.8	840.0	0.8
510301.000	300.	2310.	.9	840.8	840.0	0.8
510300.000	235.	1867.	1.2	841.0	840.9	.1
510700.000	214.	1342.	1.4	841.1	841.0	.1
511000.000	198.	1204.	1.8	841.4	841.2	.2
511200.000	168.	844.	2.0	842.5	842.1	.4
512000.000	197.	760.	2.9	844.0	843.9	.1
514700.000	57.	347.	3.9	859.0	858.0	1.0
514800.000	62.	414.	3.3	850.5	850.5	0.0
514900.000	70.	510.	2.7	861.0	860.3	0.7
515000.000	75.	573.	2.1	861.0	860.0	1.0
515100.000	72.	565.	2.2	861.0	860.7	.3

\*\*\*\*\*  
REC2 RELEASE DATED NOV 75 UPDATED FEB 77  
ERROR CORR - 01  
MODIFICATION - 50,51,52  
\*\*\*\*\*

\* NOTE: STA. 473616 -  
284116 REVISED -  
SEE RETURN

11 GUILFORD COUNTY FIA STUDY-100 YR FLOOD  
12 HAW RIVER (STREAM NO 44), 2.5 MI SW OF ALTAMAHAN TO GUILFORD-FORSYTH CO. LINE  
13 SEP 1977 DLW

J1	ICHECK	IND	INRV	IDIR	STRT	RETIC	HVINS	Q	ROSL	FR
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	700.990	0.000
J2	XPROF	IPLGT	PRFVS	XSECV	XSECH	FN	ALLDC	LOW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	36.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	58.000	1.000
	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
UT	9.000	1000.000	2000.000	5000.000	10000.000	2000.000	4200.000	5300.000	10200.000	5500.000
NC	0.120	0.120	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	2750.000	5040.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100
X1	455000.000	34.000	3000.000	3030.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	790.000	1000.000	784.500	1100.000	780.100	1200.000	703.100	1500.000	779.100	1400.000
GR	765.900	1500.000	761.200	1800.000	760.000	1700.000	761.400	1600.000	759.000	1900.000
GR	765.600	2000.000	761.900	2100.000	760.500	2200.000	750.900	2300.000	750.500	2400.000
GR	745.900	2500.000	741.200	2600.000	737.500	2700.000	730.400	2800.000	730.000	2900.000
GR	735.000	3000.000	732.200	3010.000	731.500	3020.000	731.500	3020.000	731.300	3034.000
GR	735.400	3030.000	744.500	3100.000	750.900	3200.000	772.400	3300.000	769.900	3400.000
GR	772.500	3500.000	777.400	3600.000	763.500	3700.000	790.100	3800.100	0.000	0.000
NC	0.000	0.000	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	2750.000	5040.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	455000.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	57000.000	32.000	1785.000	1800.000	970.000	970.000	970.000	1.000	-0.500	0.000
GR	785.900	1000.000	780.200	1100.000	756.000	1200.000	749.900	1300.000	740.400	1350.000
GR	787.500	1400.000	786.500	1475.000	786.000	1522.000	782.400	1550.000	780.000	1530.000
GR	780.200	1800.000	785.600	1700.000	785.000	1741.000	787.000	1748.000	787.000	1785.000
GR	783.500	1787.000	785.300	1790.000	784.500	1800.000	787.500	1800.000	787.500	1819.000
GR	757.200	1057.000	760.300	1847.000	769.400	1900.000	776.500	2000.000	783.500	2100.000
GR	786.700	2200.000	788.800	2300.000	795.000	2400.000	800.000	2434.000	807.400	2500.000
GR	808.800	2520.000	810.000	2523.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	813.600	0.000	805.700	100.000	797.000	800.000	800.000	0.000	0.000	0.000

X1	457750.000	0.000	0.000	0.000	750.000	750.000	750.000	1.000	1.500	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.400
X1	459482.000	0.000	0.000	0.000	1726.000	1726.000	1726.000	1.000	3.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400
X1	461210.000	0.000	0.000	0.000	1728.000	1728.000	1728.000	1.000	3.800	0.000
X1	461300.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.000	0.000
X1	461500.000	0.000	0.000	0.000	200.000	200.000	200.000	1.000	0.100	0.000
X1	462000.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	0.200	0.000
X1	463000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	0.400	0.000
X1	464000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	0.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400
X1	465000.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	0.400	0.000
ET	0.000	1000.000	2000.000	5000.000	10000.000	10000.000	3000.000	5000.000	9400.000	5000.000
X1	469553.000	30.000	2300.000	2330.000	4553.000	4553.000	4553.000	0.000	0.000	0.000
GR	775.000	1000.000	771.900	1100.000	769.800	1200.000	766.500	1300.000	762.600	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	754.900	2000.000	753.600	2100.000	754.900	2200.000	760.000	2270.000	757.000	2200.000
GR	745.500	2500.000	749.500	2500.000	745.900	2515.000	746.000	2525.000	749.200	2330.000
GR	735.200	2945.000	737.100	2355.000	730.800	2362.000	733.500	2400.000	734.400	2500.000
GR	725.800	2600.000	728.700	2700.000	729.500	2800.000	730.100	2900.000	723.200	3000.000
GR	718.700	3100.000	720.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	469703.000	30.000	2276.000	2362.000	150.000	150.000	150.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	775.000	1000.000	771.900	1100.000	769.800	1200.000	766.500	1300.000	762.600	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	754.900	2000.000	753.600	2100.000	754.900	2200.000	760.000	2270.000	757.000	2200.000
GR	745.500	2500.000	749.500	2500.000	745.900	2515.000	746.000	2525.000	749.200	2330.000
GR	735.200	2945.000	737.100	2355.000	730.800	2362.000	733.500	2400.000	734.400	2500.000
GR	725.800	2600.000	728.700	2700.000	729.500	2800.000	730.100	2900.000	723.200	3000.000
GR	718.700	3100.000	720.000	3235.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	469704.000	30.000	2505.000	2330.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	787.400	1000.000	782.300	1100.000	777.900	1200.000	774.200	1300.000	771.100	1400.000
GR	766.000	1500.000	766.000	1600.000	765.700	1700.000	765.100	1800.000	764.700	1900.000
GR	764.800	2000.000	765.000	2200.000	761.000	2271.000	760.000	2270.000	757.000	2200.000
GR	755.300	2500.000	752.000	2301.000	761.000	2303.000	750.000	2304.000	749.500	2300.000
GR	745.900	2915.000	746.000	2325.000	740.000	2334.000	741.000	2335.000	749.000	2337.000
GR	740.200	2720.000	739.200	2345.000	737.100	2355.000	730.000	2362.000	731.000	2300.000
GR	735.100	2369.000	734.800	2300.000	735.500	2600.000	730.500	2700.000	722.500	2900.000
GR	726.900	3000.000	722.100	3100.000	724.000	3235.000	0.000	0.000	0.000	0.000
BT	20.000	1000.000	767.400	767.400	1100.000	782.500	762.500	1200.000	777.900	777.900
BT	1300.000	774.200	1700.000	1400.000	771.100	771.100	1500.000	768.000	768.000	1600.000
BT	766.000	735.000	1700.000	769.700	765.700	1800.000	765.100	1700.000	764.700	764.700
BT	764.700	2000.000	764.000	769.000	2200.000	765.000	765.000	2271.000	765.000	761.000
BT	2360.000	765.100	761.000	2369.000	765.100	765.100	2500.000	764.800	764.800	2600.000
GR	815.000	0.000	805.700	100.000	777.000	2000.000	2000.000	2000.000	2000.000	2000.000

01	765.300	765.300	2700.000	766.300	766.300	2760.000	772.300	772.300	3000.000	776.300
0T	776.900	3100.000	762.100	762.100	3235.000	769.000	769.000	0.000	0.000	0.000
X1	469736.000	0.000	0.000	0.000	32.000	52.000	32.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
X1	469737.000	32.000	2276.000	2592.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	765.000	765.000	0.000
GR	779.000	1000.000	771.900	1100.000	769.000	1200.000	766.300	1300.000	762.300	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	759.900	2000.000	753.600	2100.000	759.900	2200.000	766.800	2276.000	757.000	2300.000
GR	753.500	2500.000	749.300	2509.000	745.900	2315.000	746.000	2525.000	749.200	2330.000
GR	755.200	2345.000	757.100	2355.000	760.800	2362.000	753.300	2400.000	754.400	2360.000
GR	755.800	2600.000	758.700	2700.000	759.300	2800.000	768.100	2900.300	773.200	3000.000
GR	770.700	3100.000	760.900	3235.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	469937.000	32.000	2395.000	2336.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	779.000	1000.000	771.900	1100.000	769.000	1210.000	766.300	1300.000	762.300	1400.000
GR	766.100	1500.000	767.500	1600.000	765.900	1700.000	764.200	1800.000	762.900	1900.000
GR	759.900	2000.000	753.600	2100.000	759.900	2200.000	766.800	2276.000	757.000	2300.000
GR	753.500	2500.000	749.300	2305.000	745.900	2315.000	746.000	2525.000	749.200	2330.000
GR	755.200	2345.000	757.100	2355.000	760.800	2362.000	753.300	2400.000	754.400	2360.000
GR	755.800	2600.000	758.700	2700.000	759.300	2800.000	768.100	2900.300	773.200	3000.000
GR	770.700	3100.000	760.900	3235.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	470920.000	19.000	969.000	967.000	1083.000	1083.000	1083.000	0.000	0.000	0.000
GR	777.500	0.000	776.400	130.000	766.200	300.000	764.100	490.000	762.000	600.000
GR	757.700	760.000	756.200	860.000	756.200	930.000	755.600	969.000	756.000	970.000
GR	751.500	965.000	756.000	937.000	755.200	1020.000	755.000	1095.000	757.000	1170.000
GR	750.000	1250.000	755.200	1355.000	756.000	1445.000	779.000	1510.000	0.000	0.000
0T	0.000	1000.000	2000.000	3000.000	10000.000	1700.000	3650.000	4000.000	7000.000	9000.000
0T	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	473204.000	29.000	2260.000	2236.000	2264.000	2264.000	2264.000	0.000	0.000	0.000
GR	760.000	1000.000	770.000	1100.000	775.300	1200.000	772.000	1300.000	773.300	1400.000
GR	745.300	1500.000	761.100	1600.000	764.500	1700.000	763.300	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2176.000	757.000	2200.000
GR	756.000	2203.000	755.700	2209.000	755.300	2220.000	755.900	2230.000	757.500	2230.000
GR	759.100	2270.000	756.400	2300.000	760.500	2400.000	760.000	2500.000	762.000	2600.000
GR	761.800	2700.000	765.700	2800.000	770.500	2900.000	780.000	2955.000	0.000	0.000
X1	473404.000	29.000	2100.000	2270.000	200.000	200.000	200.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	773.300	773.300	0.000
GR	760.000	1000.000	776.600	1100.000	776.300	1200.000	776.900	1300.000	773.500	1400.000
GR	775.300	1500.000	767.100	1600.000	764.500	1700.000	763.300	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2176.000	757.000	2200.000
GR	756.000	2203.000	755.700	2209.000	755.300	2220.000	755.900	2230.000	757.500	2230.000
GR	759.100	2270.000	756.400	2300.000	760.500	2400.000	760.000	2500.000	762.000	2600.000
GR	761.800	2700.000	765.700	2800.000	770.500	2900.000	780.000	2955.000	0.000	0.000
X1	473405.000	76.000	2200.000	2230.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	760.000	1000.000	760.300	1400.000	775.700	1700.000	774.900	1800.000	776.500	1900.000
GR	774.400	2057.000	772.600	2058.000	776.700	2059.000	768.000	2069.000	772.600	2070.000
GR	767.500	2671.000	765.900	2081.000	772.700	2052.000	763.300	2063.000	761.000	2094.000
GR	762.700	2095.000	760.500	2096.000	760.100	2100.000	760.100	2107.000	776.000	2107.000
GR	760.100	2109.000	760.000	2120.000	772.800	2121.000	760.000	2122.000	760.000	2130.000
GR	772.900	2133.000	760.000	2159.000	759.900	2145.000	772.900	2149.000	759.900	2147.000
GR	759.900	2159.000	760.000	2197.000	773.000	2150.000	760.000	2159.000	760.000	2170.000
GR	775.000	2171.000	760.000	2172.000	760.100	2176.000	759.200	2162.000	775.100	2163.000
GR	813.600	0.000	805.700	100.000	747.200	0.000	0.000	0.000	0.000	0.000

GR	758,800	2184,000	758,200	2195,000	775,100	2198,000	758,000	2197,000	757,800	2200,000
GR	758,000	2265,000	756,500	2207,000	773,200	2200,000	755,700	2209,000	755,300	2220,000
GR	774,200	2221,000	755,400	2222,000	755,900	2230,000	756,100	2232,000	775,300	2233,000
GR	756,700	2234,000	757,500	2238,000	757,600	2245,000	775,300	2246,000	758,000	2247,000
GR	758,400	2257,000	773,400	2258,000	758,500	2259,000	759,100	2270,000	773,400	2271,000
GR	762,000	2272,000	768,000	2282,000	773,500	2283,000	768,500	2284,000	773,500	2294,000
GR	775,400	2295,000	777,700	2500,000	780,900	2700,000	762,900	2800,000	785,300	2900,000
GR	786,600	2955,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	14,000	1000,000	768,300	788,500	1800,000	780,500	780,500	1700,000	775,700	775,700
BT	1800,000	774,900	774,900	1900,000	774,500	774,500	2057,000	774,400	774,400	2058,000
BT	774,400	772,400	2294,000	775,400	775,500	2295,000	775,400	775,400	2500,000	777,400
BT	777,700	2700,000	780,900	780,900	2800,000	782,900	782,900	2900,000	785,300	785,300
BT	2955,000	786,600	786,600	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	473415,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
X1	473416,000	29,000	2100,000	2270,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	10,000	0,000	0,000	0,000	0,000	0,000	0,000	774,400	774,400	0,000
GR	780,000	1000,000	778,800	1180,000	778,500	1200,000	774,900	1300,000	773,500	1400,000
GR	775,300	1500,000	767,100	1600,000	764,500	1700,000	765,500	1800,000	762,400	1900,000
GR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2176,000	757,800	2200,000
GR	756,000	2203,000	755,700	2209,000	755,300	2220,000	755,900	2230,000	757,500	2238,000
GR	759,100	2270,000	758,400	2300,000	760,500	2400,000	760,500	2500,000	762,600	2600,000
GR	761,800	2700,000	763,700	2800,000	770,500	2900,000	780,000	2955,000	0,000	0,000
X1	475616,000	27,000	2200,000	2238,000	200,000	200,000	200,000	0,000	0,000	0,000
GR	780,000	1000,000	778,800	1180,000	778,500	1200,000	774,900	1300,000	773,500	1400,000
GR	775,300	1500,000	767,100	1600,000	764,500	1700,000	765,500	1800,000	762,400	1900,000
GR	761,500	2000,000	760,100	2100,000	759,900	2150,000	760,100	2176,000	757,800	2200,000
GR	756,000	2203,000	755,700	2209,000	755,300	2220,000	755,900	2230,000	757,500	2238,000
GR	759,100	2270,000	758,400	2300,000	760,500	2400,000	760,500	2500,000	762,600	2600,000
GR	761,800	2700,000	763,700	2800,000	770,500	2900,000	780,000	2955,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	10,400
X1	476070,000	15,000	878,000	900,000	2454,000	2454,000	2454,000	1,000	5,500	0,000
GR	803,200	140,000	791,500	240,000	764,800	555,000	757,300	730,000	755,800	878,000
GR	753,500	888,000	752,700	893,000	757,600	900,000	756,100	965,000	755,800	995,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	477310,000	21,000	720,000	742,000	1060,000	1060,000	1060,000	1,000	0,500	0,000
GR	795,000	210,000	778,000	330,000	764,700	570,000	762,000	440,000	762,200	540,000
GR	766,200	570,000	762,600	670,000	762,600	698,000	763,000	720,000	761,500	720,000
GR	759,200	729,000	759,600	758,000	765,700	742,000	762,800	815,000	762,600	796,000
GR	763,500	955,000	767,500	995,000	772,000	1024,000	781,500	1152,000	785,300	1172,000
GR	791,000	1218,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	478530,000	31,000	1700,000	1736,000	1400,000	1400,000	1400,000	0,000	0,000	0,000
GR	800,500	1000,000	790,500	1100,000	762,500	1200,000	772,900	1300,000	767,000	1400,000
GR	763,400	1500,000	765,400	1600,000	764,200	1700,000	763,900	1702,000	762,000	1703,000
GR	759,800	1714,000	761,800	1734,000	764,900	1736,000	764,500	1800,000	765,200	1900,000
GR	765,900	2000,000	766,400	2100,000	766,400	2200,000	766,400	2300,000	764,500	2400,000
GR	770,100	2500,000	769,000	2600,000	768,500	2700,000	768,000	2800,000	770,700	2900,000
GR	774,000	3000,000	777,900	3100,000	779,000	3200,000	782,000	3300,000	788,200	3400,000
GR	795,000	3474,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X1	479000,000	0,000	0,000	0,000	470,000	478,000	470,000	1,000	0,900	0,000
GR	815,600	0,000	805,700	100,000	797,000	800,000	797,000	0,000	0,000	0,000



X1	479500.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
GR	9.000	1000.000	2000.000	3000.000	10000.000	10000.000	10000.000	4400.000	4400.000	4400.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	483884.000	24.000	1654.000	1719.000	4384.000	4384.000	4384.000	0.000	0.000	0.000
GR	795.000	1000.000	789.100	1100.000	789.000	1100.000	792.000	1200.000	770.000	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1620.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1733.000
GR	771.000	1715.000	775.300	1714.000	776.000	1740.000	784.300	1759.000	772.900	1789.000
GR	776.000	1851.000	789.300	1871.000	789.800	1920.000	797.000	1957.000	0.000	0.000

X1	483984.000	24.000	1654.000	1759.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	780.000	770.000	0.000
GR	795.000	1000.000	789.100	1100.000	789.000	1100.000	782.000	1200.000	770.000	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1620.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1733.000
GR	771.000	1715.000	775.300	1714.000	776.000	1740.000	784.300	1759.000	772.900	1789.000
GR	776.000	1851.000	789.300	1871.000	789.800	1920.000	797.000	1957.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	483985.000	25.000	1654.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	790.900	1000.000	784.500	1200.000	782.200	1300.000	781.900	1400.000	782.300	1700.000
GR	784.500	1000.000	785.100	1627.000	783.200	1628.000	781.000	1634.000	775.100	1631.000
GR	775.700	1672.000	784.600	1673.000	773.900	1674.000	774.800	1690.000	770.300	1691.000
GR	770.000	1695.000	770.900	1703.000	771.000	1715.000	773.500	1717.000	785.000	1710.000
GR	775.300	1719.000	776.800	1740.000	784.500	1759.000	786.400	1763.000	780.300	1760.000
GR	791.300	1871.000	792.300	1900.000	794.900	1957.000	0.000	0.000	0.000	0.000
GR	790.000	1900.000	790.900	1900.000	789.000	1900.000	784.000	1900.000	780.000	1900.000
GR	1400.000	781.400	781.400	1500.000	782.300	1600.000	784.000	1600.000	780.000	1600.000
GR	785.100	735.100	1620.000	785.100	783.200	1695.000	787.100	765.200	1763.000	700.500
GR	780.000	1764.000	786.300	780.500	1871.000	791.300	791.300	1900.000	790.300	790.300
GR	1957.000	794.900	794.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1300.000	1759.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	484015.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
XP	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
ET	0.000	1400.000	1851.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	484016.000	24.000	1654.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	781.400	781.400	0.000
GR	795.000	1000.000	789.100	1100.000	789.000	1100.000	782.000	1200.000	770.000	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1620.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1733.000
GR	771.000	1715.000	775.300	1714.000	776.000	1740.000	784.300	1759.000	772.900	1789.000
GR	776.000	1851.000	789.300	1871.000	789.800	1920.000	797.000	1957.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	484116.000	24.000	1654.000	1719.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	793.000	1000.000	785.100	1100.000	785.000	1100.000	782.000	1200.000	770.000	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1620.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.000	1686.000	770.500	1691.000	770.900	1733.000
GR	771.000	1715.000	775.300	1714.000	776.000	1740.000	784.300	1759.000	772.900	1789.000
GR	776.000	1851.000	789.300	1871.000	789.800	1920.000	797.000	1957.000	0.000	0.000
GR	9.000	1000.000	2000.000	3000.000	10000.000	1340.000	2750.000	3700.000	7000.000	3700.000

X1	494711.000	19.000	1030.000	1021.000	10595.000	10595.000	10595.000	0.000	0.000	0.000
GR	815.600	0.000	603.700	100.000	797.000	200.000	792.000	300.000	791.700	900.000

GR	790,800	500,000	786,500	600,000	786,300	700,000	786,500	600,000	784,200	900,000
GR	782,700	1000,000	777,600	1002,000	777,300	1018,000	781,300	1021,000	789,500	1100,000
GR	793,900	1200,000	797,700	1300,000	801,600	1400,000	809,500	1500,000	0,000	0,000
X1	494761,000	19,000	904,000	1017,000	50,000	50,000	50,000	0,000	0,000	0,000
X5	10,000	0,000	0,000	0,000	0,000	0,000	0,000	792,500	792,500	0,000
GR	813,600	0,000	805,700	100,000	797,800	200,000	792,600	300,000	791,700	400,000
GR	790,800	500,000	786,500	600,000	786,300	700,000	786,500	600,000	784,200	900,000
GR	783,000	984,000	776,300	995,000	778,300	1016,000	781,500	1017,000	784,500	1100,000
GR	793,900	1200,000	797,700	1300,000	801,600	1400,000	809,500	1500,000	0,000	0,000
SD	1,250	1,500	2,500	0,000	31,400	1,400	520,000	0,000	778,100	778,300
X1	494799,000	0,000	0,000	0,000	38,000	38,000	38,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	794,700	794,700	0,000
BI	19,000	0,000	816,400	813,600	100,000	813,500	805,700	200,000	808,600	797,800
BT	300,000	804,100	792,600	400,000	800,200	791,700	300,000	797,500	790,800	600,000
BT	795,500	786,300	700,000	794,900	786,500	800,000	794,900	706,300	700,000	794,900
BT	784,200	984,000	794,700	783,000	905,000	794,700	792,500	1016,000	794,700	792,500
BT	1017,000	794,700	781,500	1100,000	795,300	784,500	1200,000	796,100	743,900	1300,000
BT	796,800	797,700	1400,000	801,600	801,600	1500,000	809,500	809,500	0,000	0,000
ET	0,000	700,000	1100,000	0,000	0,000	0,000	0,000	0,000	0,000	2,100
X1	494849,000	19,000	1000,000	1021,000	50,000	50,000	50,000	0,000	0,000	0,000
GR	813,600	0,000	805,700	100,000	797,800	200,000	792,600	300,000	791,700	400,000
GR	790,800	500,000	786,500	600,000	786,300	700,000	786,500	600,000	784,200	900,000
GR	782,700	1000,000	777,600	1002,000	777,300	1018,000	781,300	1021,000	784,500	1100,000
GR	793,900	1200,000	797,700	1300,000	801,600	1400,000	809,500	1500,000	0,000	0,000
ET	0,000	800,000	1200,000	0,000	0,000	0,000	0,000	0,000	0,000	2,100
X1	495000,000	0,000	0,000	0,000	151,000	151,000	151,000	1,000	0,500	0,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	10,400
X1	495500,000	0,000	0,000	0,000	500,000	500,000	500,000	1,000	1,000	0,000
X1	496000,000	0,000	0,000	0,000	500,000	500,000	500,000	1,000	1,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	8,400
X1	497000,000	0,000	0,000	0,000	1000,000	1000,000	1000,000	1,000	3,000	0,000
ET	0,000	1000,000	2000,000	5000,000	10000,000	1110,000	2200,000	3000,000	5400,000	3000,000
X1	502138,000	19,000	1000,000	1018,000	5136,000	5136,000	5136,000	1,000	-11,200	0,000
GR	839,200	100,000	845,400	200,000	839,600	300,000	836,400	400,000	833,600	500,000
GR	819,600	600,000	817,900	700,000	816,500	800,000	816,600	900,000	818,300	1000,000
GR	815,000	1000,000	814,700	1019,000	818,500	1010,000	826,900	1100,000	841,200	1200,000
X1	505237,000	0,000	0,000	0,000	3099,000	3099,000	3099,000	1,000	11,100	0,000
X1	505487,000	20,000	1001,000	1050,000	250,000	250,000	250,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	820,000	820,000	0,000
GR	849,200	100,000	845,400	200,000	839,600	300,000	836,400	400,000	833,600	500,000
GR	819,600	600,000	817,900	700,000	816,500	800,000	816,600	900,000	818,300	1000,000
GR	815,000	1001,000	817,200	1013,000	818,800	1017,000	815,300	1033,000	816,700	1035,000
GR	816,000	1037,000	821,100	1052,000	821,100	1053,000	826,900	1100,000	841,200	1200,000
SD	1,050	1,500	3,100	0,000	10,300	1,000	284,300	0,000	818,000	814,600

X1	505513.000	0.000	0.000	0.000	26.000	26.000	26.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	824.400	824.400	0.000
BT	15.000	100.000	849.200	849.200	200.000	845.400	845.400	300.000	859.000	859.000
BL	400.000	636.700	836.400	500.000	831.500	600.000	600.000	628.500	819.800	760.500
BT	825.700	817.900	800.000	824.700	815.500	900.000	824.400	810.500	1000.000	828.700
BT	818.500	1001.500	824.700	825.200	1052.000	824.700	825.200	1053.000	824.700	821.100
BT	1100.000	825.900	826.900	1200.000	841.200	0.000	0.000	0.000	9.000	0.000
BT	9.000	1000.000	2000.000	5000.000	10200.000	700.000	1000.000	2400.000	4000.000	2400.000

X1	505713.000	1.000	1000.000	1011.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	845.700	100.000	840.000	700.000	838.000	300.000	833.100	800.000	828.000	700.000
GR	824.900	500.000	820.200	700.000	819.400	800.000	819.500	900.000	817.500	1000.000
GR	816.100	1000.000	815.900	1000.000	817.800	1011.000	817.900	1100.000	817.500	1100.000
GR	824.200	1200.000	840.900	1300.000	840.600	1800.000	0.000	0.000	0.000	0.000

X1	505900.000	0.000	0.000	0.000	87.000	87.000	87.000	1.000	0.500	0.000
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X1	505900.000	0.000	0.000	0.000	100.000	100.000	100.000	1.000	0.500	0.000
BT	9.000	1000.000	2000.000	5000.000	10000.000	820.000	1550.000	2200.000	4000.000	2200.000

X1	506500.000	15.000	1000.000	1022.000	800.000	800.000	800.000	1.000	-11.000	0.000
GR	872.700	400.000	865.800	500.000	857.800	600.000	849.200	700.000	838.500	800.000
GR	852.800	900.000	831.400	1000.000	850.000	1000.000	829.500	1019.000	831.800	1000.000
GR	832.100	1100.000	859.600	1200.000	848.200	1500.000	864.300	1400.000	0.000	0.000

X1	507500.000	0.000	0.000	0.000	1000.000	1000.000	1000.000	1.000	5.200	0.000
BT	0.000	0.000	0.000	0.400	0.000	0.600	0.000	0.000	0.000	0.400

X1	510019.000	0.000	0.000	0.000	2515.000	2519.000	2519.000	1.000	7.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	510119.000	16.000	1000.000	1026.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	833.200	833.200	0.000
GR	872.700	400.000	865.800	500.000	857.800	600.000	849.200	700.000	838.500	800.000
GR	852.800	900.000	831.400	1000.000	850.000	1000.000	829.500	1019.000	831.800	1000.000
GR	835.200	1015.000	829.500	1016.600	829.500	1024.400	852.200	1026.000	832.100	1100.000
GR	859.600	1200.000	848.200	1500.000	848.300	1800.000	0.000	0.000	0.000	0.000
SS	1.200	1.500	2.500	0.000	19.600	1.000	139.200	0.000	830.500	829.500
ET	0.000	900.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	510201.000	0.000	0.000	0.000	82.000	82.000	82.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	840.100	840.100	0.000
BT	10.000	400.000	872.700	872.700	500.000	865.800	865.800	600.000	855.200	855.200
BT	700.000	850.800	849.200	800.000	846.900	858.500	900.000	843.100	852.800	1000.000
BT	840.100	855.200	1001.500	840.100	856.900	1009.800	840.100	856.900	1011.000	840.100
BT	833.200	1015.000	840.100	833.200	1016.600	840.100	856.900	1024.400	840.100	850.900
BT	1026.000	840.100	833.200	1100.000	840.000	952.100	1200.000	841.600	841.600	1300.000
BT	846.200	840.100	1400.000	864.500	864.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	900.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	510301.000	14.000	1000.000	1022.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	872.700	400.000	865.800	500.000	857.800	600.000	849.200	700.000	838.500	800.000
GR	852.800	900.000	831.400	1000.000	850.000	1000.000	829.500	1019.000	831.800	1000.000
GR	832.100	1100.000	859.600	1200.000	848.200	1500.000	864.300	1400.000	0.000	0.000







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 REC2 RELEASE DATED NOV 76 UPDATED FEB 77  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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NOTE - AS E-168 (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SEP 1977 OLV

SUMMARY PRINTOUT

SECNO	CASEL	EG	ELLC	ELMIN	10X45	U
455040.000	744.99	745.05	0.00	731.30	8.44	5500.00
455040.000	745.12	745.27	0.00	731.30	15.70	5500.00
455080.000	745.02	745.09	0.00	731.30	8.32	5500.00
455080.000	745.15	745.34	0.00	731.30	15.34	5500.00
457000.000	742.84	745.03	0.00	734.10	7.90	5500.00
457000.000	746.35	746.39	0.00	734.10	7.79	5500.00
457750.000	746.55	746.60	0.00	735.60	11.14	5500.00
457750.000	747.05	747.10	0.00	735.60	11.32	5500.00
459462.000	749.03	749.03	0.00	739.00	16.73	5500.00
459462.000	749.71	749.71	0.00	739.00	22.87	5500.00
461210.000	752.34	752.40	0.00	742.40	15.62	5500.00
461210.000	753.30	753.37	0.00	742.40	18.93	5500.00
461300.000	752.51	752.57	0.00	742.40	17.60	5500.00
461300.000	753.47	753.54	0.00	742.40	17.21	5500.00
461500.000	752.85	752.91	0.00	742.50	15.60	5500.00
461500.000	753.80	753.86	0.00	742.50	15.17	5500.00
462000.000	753.54	753.59	0.00	742.70	12.06	5500.00
462000.000	754.48	754.53	0.00	742.70	11.85	5500.00
463000.000	754.58	754.62	0.00	743.10	7.87	5500.00
463000.000	755.50	755.54	0.00	743.10	4.68	5500.00
464000.000	755.40	755.43	0.00	743.50	7.36	5500.00
464000.000	756.30	756.34	0.00	743.50	7.40	5500.00
465000.000	756.09	756.12	0.00	743.90	6.49	5500.00
465000.000	756.98	757.01	0.00	743.90	6.06	5500.00
469553.000	759.71	759.80	0.00	745.90	10.45	5000.00
469553.000	760.39	760.49	0.00	745.90	10.04	5000.00

SEENO	CASEL	EO	ESLC	ELMIN	10x10	0
469703.000	759.50	760.52	0.00	745.90	92.91	5000.00
469703.000	760.27	761.10	0.00	745.90	78.13	5000.00
469704.000	759.07	760.83	0.00	745.90	176.74	5000.00
469704.000	759.60	761.57	0.00	745.90	179.76	5000.00
469730.000	760.03	761.40	0.00	745.90	132.90	5000.00
469730.000	760.71	762.15	0.00	745.90	126.22	5000.00
469737.000	760.80	761.53	0.00	745.90	58.64	5000.00
469737.000	761.77	762.33	0.00	745.90	47.48	5000.00
469837.000	761.74	761.77	0.00	745.90	3.63	5000.00
469837.000	762.49	762.53	0.00	745.90	3.42	5000.00
470920.000	762.24	762.25	0.00	751.50	5.71	5000.00
470920.000	762.96	762.99	0.00	751.50	5.39	5000.00
473204.000	764.28	764.35	0.00	755.30	17.11	4800.00
473204.000	764.98	765.09	0.00	755.30	19.08	4800.00
473404.000	764.61	764.97	0.00	755.30	40.55	4800.00
473404.000	765.35	765.63	0.00	755.30	29.56	4800.00
473405.000	764.56	765.01	0.00	755.30	163.74	4800.00
473405.000	765.19	765.75	0.00	755.30	183.55	4800.00
473415.000	764.76	765.18	0.00	755.30	147.56	4800.00
473415.000	765.43	765.83	0.00	755.30	167.01	4800.00
473416.000	764.88	765.20	0.00	755.30	35.07	4800.00
473416.000	765.74	765.99	0.00	755.30	24.89	4800.00
473616.000	765.09	765.52	0.00	755.30	6.85	4800.00
473616.000	766.24	766.28	0.00	755.30	7.42	4800.00
476070.000	768.22	768.31	0.00	758.00	21.74	4600.00
476070.000	769.13	769.26	0.00	758.00	22.65	4600.00
477310.000	769.50	769.52	0.00	758.90	6.92	4800.00
477310.000	770.46	770.51	0.00	758.90	7.08	4800.00
478530.000	770.41	770.43	0.00	759.80	6.09	4800.00
478530.000	771.40	771.43	0.00	759.80	6.11	4800.00
479000.000	770.75	770.78	0.00	760.70	9.05	4800.00
479000.000	771.76	771.79	0.00	760.70	9.51	4800.00
479500.000	771.29	771.34	0.00	761.70	13.26	4800.00
479500.000	772.26	772.35	0.00	761.70	13.57	4800.00
483883.000	774.74	774.89	0.00	770.50	32.45	4400.00
483884.000	780.52	780.82	0.00	770.50	31.50	4400.00
483984.000	774.64	780.83	0.00	770.50	149.51	4400.00
483980.000	780.62	781.50	0.00	770.50	66.91	4400.00



SECNO	LWSEL	EB	ELCC	ELMIN	ZORAS	U
483985.000	779.85	780.88	0.00	770.50	188.13	4400.00
483985.000	780.82	781.90	0.00	770.50	112.45	4400.00
484015.000	780.77	781.50	0.00	770.50	115.09	4400.00
484015.000	781.59	781.90	0.00	770.50	69.55	4400.00
484016.000	780.87	781.58	0.00	770.50	84.76	4400.00
484016.000	781.36	781.95	0.00	770.50	67.72	4400.00
484116.000	781.82	781.87	0.00	770.50	8.66	4400.00
484116.000	782.18	782.24	0.00	770.50	10.58	4400.00
494711.000	791.34	790.38	0.00	777.30	7.19	3700.00
494711.000	791.10	791.21	0.00	777.30	6.79	3700.00
494761.000	791.51	791.09	0.00	778.30	121.54	3700.00
494761.000	790.97	791.81	0.00	778.30	120.22	3700.00
494799.000	789.87	791.36	815.80	778.30	110.51	3700.00
494799.000	790.57	791.89	815.69	778.30	92.52	3700.00
494849.000	791.69	791.71	0.00	777.30	3.56	3700.00
494849.000	792.16	792.21	0.00	777.30	4.64	3700.00
495000.000	791.74	791.77	0.00	777.80	4.46	3700.00
495000.000	792.26	792.36	0.00	777.80	6.33	3700.00
495500.000	792.05	792.10	0.00	779.60	10.12	3700.00
495500.000	792.66	792.74	0.00	779.60	12.16	3700.00
496000.000	792.73	792.83	0.00	781.40	21.14	3700.00
496000.000	793.45	793.61	0.00	781.40	24.43	3700.00
497000.000	795.50	795.69	0.00	785.00	39.73	3700.00
497000.000	796.49	796.64	0.00	785.00	37.72	3700.00
502130.000	810.58	810.63	0.00	803.50	20.86	3000.00
502130.000	811.36	811.44	0.00	803.50	21.46	3000.00
505237.000	820.52	820.62	0.00	814.50	50.02	3000.00
505237.000	821.41	821.54	0.00	814.50	54.87	3000.00
505487.000	821.43	821.49	0.00	814.80	23.19	3000.00
505487.000	822.31	822.37	0.00	814.80	22.35	3000.00
* 505513.000	824.79	824.81	849.20	814.80	2.99	3000.00
* 505513.000	825.67	825.69	0.00	814.80	2.99	3000.00
505713.000	824.86	824.87	0.00	815.90	3.32	2400.00
505713.000	825.74	825.75	0.00	815.90	3.21	2400.00
505800.000	824.89	824.90	0.00	816.20	3.89	2400.00
505800.000	825.77	825.78	0.00	816.20	3.75	2400.00
505900.000	824.93	824.94	0.00	816.50	4.55	2400.00
505900.000	825.81	825.82	0.00	816.50	4.40	2400.00

SECNO	COSEL	EC	ELIC	ELCIV	100+5	T
506500.000	825.41	825.51	0.00	818.30	27.15	2200.00
506500.000	825.26	826.59	0.00	818.30	27.15	2200.00
507500.000	828.42	828.53	0.00	821.50	32.55	2200.00
507500.000	829.21	829.36	0.00	821.50	32.56	2200.00
510019.000	836.32	836.42	0.00	829.30	30.16	2200.00
510019.000	837.11	837.25	0.00	829.30	30.09	2200.00
510219.000	836.67	836.76	0.00	829.50	38.33	2200.00
510219.000	837.46	837.59	0.00	829.50	38.46	2200.00
510201.000	840.81	840.85	0.77.70	829.50	4.29	2200.00
510201.000	840.64	840.66	0.77.70	829.50	4.13	2200.00
510301.000	840.84	840.85	0.00	829.50	2.25	2200.00
510301.000	840.80	840.90	0.00	829.50	3.08	2200.00
510500.000	848.89	848.91	0.00	830.30	3.51	2200.00
510500.000	848.93	848.98	0.00	830.30	4.70	2200.00
510700.000	848.77	848.80	0.00	831.30	5.62	2200.00
510700.000	848.04	848.10	0.00	831.30	7.93	2200.00
511000.000	841.19	841.24	0.00	832.80	11.66	2200.00
511000.000	841.36	841.41	0.00	832.80	15.96	2200.00
511500.000	841.06	841.17	0.00	835.10	31.50	2200.00
511500.000	841.43	841.61	0.00	835.10	39.04	2200.00
512000.000	843.92	844.06	0.00	837.40	45.53	2200.00
512000.000	844.63	844.86	0.00	837.40	47.96	2200.00
514780.000	853.64	853.91	0.00	850.70	70.78	1370.00
514780.000	854.57	854.81	0.00	850.70	67.27	1370.00
514750.000	859.50	859.71	0.00	851.50	35.80	1370.00
514750.000	860.40	860.73	0.00	851.50	34.02	1370.00
514950.000	860.50	860.45	891.90	851.50	21.96	1370.00
514950.000	861.26	861.43	0.00	851.50	20.61	1370.00
515050.000	860.55	860.65	0.00	850.70	16.89	1220.00
515050.000	861.51	861.62	0.00	850.70	15.50	1220.00
515130.000	860.64	860.78	0.00	850.70	15.59	1220.00
515130.000	861.63	861.74	0.00	850.70	19.67	1220.00

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## SUMMARY PRINTOUT

SECNO	TWSEL	SSFA	STCHL	STCHR	EDUST	TOPWID
455040.000	744.99	2519.36	3008.00	3038.00	3106.73	585.36
455060.000	745.12	2758.00	3008.00	3038.00	3040.00	290.00
455080.000	745.62	2518.64	3008.00	3038.00	3109.96	586.31
455080.000	745.19	2758.00	3008.00	3038.00	3040.00	290.90
457000.000	745.64	1247.69	1785.00	1808.00	1821.32	583.63
457000.000	746.35	1346.89	1785.00	1808.00	1808.00	461.31
457756.000	746.55	1257.42	1785.00	1808.00	1829.85	572.44
457756.000	747.05	1359.99	1785.00	1808.00	1808.00	448.01
459482.000	749.03	1268.91	1785.00	1808.00	1828.13	559.22
459482.000	749.71	1455.32	1785.00	1808.00	1808.00	352.68
461210.000	752.34	1269.91	1785.00	1808.00	1827.98	558.07
461210.000	753.30	1434.57	1785.00	1808.00	1808.00	373.43
461300.000	752.51	1267.79	1785.00	1808.00	1828.30	560.56
461300.000	753.47	1430.12	1785.00	1808.00	1808.00	377.65
461500.000	752.85	1264.82	1785.00	1808.00	1828.74	563.92
461500.000	753.80	1423.88	1785.00	1808.00	1808.00	369.12
462000.000	753.54	1256.72	1785.00	1808.00	1829.66	570.94
462000.000	754.48	1412.37	1785.00	1808.00	1808.00	395.63
463000.000	754.58	1250.84	1785.00	1808.00	1830.84	580.00
463000.000	755.50	1399.47	1785.00	1808.00	1808.00	408.53
464000.000	755.40	1245.75	1785.00	1808.00	1831.61	585.86
464000.000	756.30	1395.56	1785.00	1808.00	1808.00	412.44
465000.000	756.09	1242.11	1785.00	1808.00	1832.15	590.04
465000.000	756.99	1364.36	1785.00	1808.00	1808.00	453.64
469553.000	759.71	1939.92	2305.00	2338.00	2802.40	838.77
469553.000	760.39	2038.77	2305.00	2338.00	2577.29	529.63
469703.000	759.50	2278.39	2276.00	2362.00	2362.00	81.16
469703.000	760.27	2276.97	2276.00	2362.00	2361.00	84.03
469704.000	759.07	2279.18	2305.00	2338.00	2356.73	78.47
469704.000	759.60	2294.95	2305.00	2338.00	2354.16	48.49
469736.000	760.03	2277.52	2305.00	2338.00	2360.54	82.56
469736.000	760.71	2290.96	2305.00	2338.00	2346.29	55.23
469737.000	760.80	2276.00	2276.00	2362.00	2362.00	85.99
469737.000	761.73	2276.00	2276.00	2362.00	2362.00	86.00
469837.000	761.74	1914.43	2305.00	2338.00	2826.17	911.67

469837.000 762.49 2011.55 2305.00 2338.00 2641.92 624.37

SPEND	CASEL	SSTA	SICL	SICR	LNST	TOPID
470920.000	762.2-	611.16	969.00	987.00	1452.63	851.53
470920.000	762.46	783.62	969.00	987.00	1461.07	610.65
473204.000	764.28	1722.40	2200.00	2238.00	2863.47	1086.07
475207.000	764.48	2065.79	2200.00	2238.00	2499.59	633.89
475404.000	764.61	2106.00	2100.00	2270.00	2270.00	170.00
475404.000	765.35	2106.00	2100.00	2270.00	2270.00	170.00
473405.000	764.56	2619.17	2200.00	2238.00	2276.27	177.07
473405.000	765.14	3114.53	2200.00	2238.00	2235.99	129.47
473415.000	764.76	2073.61	2200.00	2238.00	2276.60	178.45
473415.000	765.43	2113.09	2200.00	2238.00	2256.49	131.77
473416.000	764.68	2100.00	2100.00	2270.00	2270.00	170.00
473416.000	765.74	2100.00	2100.00	2270.00	2270.00	170.00
473416.000	765.49	1661.70	2200.00	2238.00	2826.38	1164.60
473416.000	766.24	1496.39	2200.00	2238.00	2564.92	366.33
476070.000	766.22	626.49	878.00	906.00	1058.31	431.83
476070.000	769.13	736.77	878.00	906.00	1001.87	265.10
477310.000	769.50	331.55	720.00	742.00	1011.63	680.28
477310.000	770.46	430.47	720.00	742.00	912.66	482.21
478530.000	770.41	1347.24	1700.00	1736.00	2884.63	1547.39
478530.000	771.40	1520.44	1700.00	1736.00	2198.55	676.06
479000.000	770.75	1331.69	1700.00	1736.00	2855.27	1430.86
479000.000	771.74	1527.54	1700.00	1736.00	2131.70	694.15
479500.000	771.29	1359.46	1700.00	1736.00	2631.17	1290.04
479500.000	772.28	1536.40	1700.00	1736.00	2060.43	549.53
483884.000	774.74	1276.53	1686.00	1719.00	1855.94	561.13
483884.000	780.62	1498.43	1686.00	1719.00	1792.18	326.90
483984.000	774.84	1637.35	1634.00	1759.00	1759.00	110.38
483984.000	780.72	1634.52	1634.00	1759.00	1750.16	115.66
483985.000	774.85	1637.31	1634.00	1759.00	1747.73	108.31
483985.000	780.82	1634.49	1634.00	1759.00	1750.21	114.00
484015.000	780.77	1634.47	1634.00	1759.00	1750.05	113.64
484015.000	781.29	1633.21	1634.00	1759.00	1751.37	116.64
484016.000	780.67	1634.30	1634.00	1759.00	1759.00	115.92
484016.000	781.79	1634.00	1634.00	1759.00	1759.00	117.55
484116.000	781.82	1224.55	1686.00	1719.00	1859.22	627.29
484116.000	782.18	1377.27	1686.00	1719.00	1619.77	427.17
494711.000	790.34	510.22	1000.00	1021.00	1162.13	651.91
494711.000	791.16	606.79	1000.00	1021.00	1086.90	432.92

	SECNO	CNSL	STPL	STCPL	STCMP	ENOST	TOPMID
128	494761.000	789.51	984.00	984.00	1017.00	1017.00	35.00
1	453761.000	790.47	980.00	980.00	1017.00	1017.00	35.00
1	494799.000	789.87	984.00	984.00	1017.00	1017.00	35.00
1	494799.000	790.57	984.00	984.00	1017.00	1017.00	35.00
1	494849.000	791.69	1000.00	1000.00	1021.00	1116.42	774.54
1	494849.000	792.16	700.00	1000.00	1021.00	1100.00	900.00
1	495000.000	791.74	450.53	1000.00	1021.00	1171.70	720.77
1	495000.000	792.26	000.00	1000.00	1021.00	1177.19	577.10
1	495300.000	792.05	523.55	1000.00	1021.00	1155.84	652.50
1	495300.000	792.00	695.56	1000.00	1021.00	1053.40	307.06
1	496000.000	792.73	546.32	1000.00	1021.00	1143.89	505.57
1	496000.000	792.45	146.30	1000.00	1021.00	1054.16	302.59
1	497000.000	795.50	566.70	1000.00	1021.00	1155.09	560.39
1	497000.000	795.40	795.49	1000.00	1021.00	1055.74	290.25
1	502130.000	810.50	585.91	1000.00	1018.00	1049.94	464.03
1	502130.000	811.50	740.82	1000.00	1018.00	1018.00	277.10
1	505237.000	820.52	594.16	1000.00	1018.00	1058.67	444.50
1	505237.000	821.41	774.30	1000.00	1018.00	1058.00	238.70
1	505407.000	821.43	580.53	1001.00	1052.00	1059.71	467.30
1	505407.000	822.31	768.73	1001.00	1052.00	1052.00	203.07
1	* 505513.000	824.79	364.30	1001.00	1052.00	1082.97	510.67
1	* 505513.000	825.67	695.57	1001.00	1052.00	1052.00	350.03
1	505712.000	824.86	600.68	1000.00	1011.00	1203.94	603.07
1	505712.000	825.74	731.46	1000.00	1011.00	1139.60	408.14
1	505800.000	824.84	606.60	1000.00	1011.00	1202.31	595.63
1	505800.000	825.77	737.47	1000.00	1011.00	1137.59	399.91
1	505900.000	824.93	612.23	1000.00	1011.00	1200.75	588.52
1	505900.000	825.81	743.55	1000.00	1011.00	1135.20	391.63
1	506100.000	825.41	830.58	1000.00	1022.00	1157.50	320.96
1	506100.000	826.26	916.90	1000.00	1022.00	1089.00	172.98
1	507500.000	826.42	840.02	1000.00	1022.00	1154.52	314.90
1	507500.000	827.21	919.68	1000.00	1022.00	1087.02	167.33
1	510019.000	836.52	838.30	1000.00	1022.00	1156.22	317.32
1	510019.000	837.11	910.35	1000.00	1022.00	1087.97	169.62
1	510119.000	836.67	852.13	1000.00	1026.00	1160.92	320.79
1	510119.000	837.46	911.02	1000.00	1026.00	1093.35	181.70
1	* 510201.000	809.84	775.35	1000.00	1026.00	1214.17	433.84
1	* 510201.000	840.84	900.00	1000.00	1026.00	1200.00	300.00

SECNO	200EL	501A	01EML	HE	ENRST	TOPWID
510301.000	840.84	778.16	00.00	1022.00	1214.39	436.23
510301.000	840.88	780.00	000.00	1022.00	1200.00	300.00
510500.000	840.89	787.02	1000.00	1022.00	1203.36	416.34
510500.000	840.95	879.07	1000.00	1022.00	1117.98	234.91
510700.000	840.97	795.59	1000.00	1022.00	1191.63	396.04
510700.000	841.06	840.25	1000.00	1022.00	1104.69	214.4
511000.000	841.19	814.13	1000.00	1022.00	1174.59	360.46
511000.000	841.36	901.71	1000.00	1022.00	1099.93	190.22
511500.000	842.06	859.28	1000.00	1022.00	1155.48	316.70
511500.000	842.49	915.00	1000.00	1022.00	1087.46	166.40
512000.000	843.92	847.20	1000.00	1022.00	1149.46	302.27
512000.000	844.53	925.90	1000.00	1022.00	1082.53	156.64
514780.000	858.64	745.60	1000.00	1012.00	1068.52	122.88
514780.000	857.59	786.24	1000.00	1012.00	1042.77	56.53
514930.000	859.50	936.91	1000.00	1023.00	1073.64	136.72
514930.000	860.46	982.56	1000.00	1023.00	1044.45	62.08
514950.000	860.30	928.95	1000.00	1023.00	1076.51	149.36
514950.000	861.26	977.75	1000.00	1023.00	1047.33	69.58
515050.000	860.56	926.43	1000.00	1012.00	1079.79	153.36
515050.000	861.51	975.04	1000.00	1012.00	1049.60	74.55
515130.000	860.69	924.97	1000.00	1012.00	1080.65	155.68
515130.000	861.63	974.06	1000.00	1012.00	1046.25	72.15

SUMMARY OF ERRORS

CAUTION SECNO=\*\*\*\*\* PROFILE= 1 HYDRAULIC JUMP D.S.  
CAUTION SECNO=\*\*\*\*\* PROFILE= 2 HYDRAULIC JUMP D.S.  
CAUTION SECNO=\*\*\*\*\* PROFILE= 1 HYDRAULIC JUMP D.S.  
CAUTION SECNO=\*\*\*\*\* PROFILE= 2 HYDRAULIC JUMP D.S.

FLOODWAY DATA, SEP 1977 DLU  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
455000.000	290.	2354.	2.3	745.3	745.0	0.1
455000.000	290.	2373.	2.3	745.2	745.0	0.2
457000.000	461.	3788.	1.5	746.3	745.8	0.5
457750.000	440.	3544.	1.2	747.0	746.4	0.6
459000.000	353.	2457.	0.5	749.7	751.0	1.7
461210.000	373.	2660.	2.1	753.3	752.3	1.0
461300.000	370.	2753.	2.0	753.0	752.0	1.0
461500.000	365.	2661.	1.9	753.7	752.8	0.9
462000.000	395.	3188.	1.7	754.4	753.5	0.9
463000.000	409.	3491.	1.6	755.5	754.6	0.9
464000.000	412.	3687.	1.5	756.3	755.4	0.9
465000.000	444.	4082.	1.4	757.0	756.1	0.9
467550.000	530.	5094.	1.0	760.4	759.7	0.7
469700.000	85.	682.	7.3	764.3	759.5	0.6
469704.000	80.	699.	10.0	768.0	759.1	0.5
469730.000	55.	580.	0.5	766.7	760.9	0.7
469737.000	64.	607.	6.2	761.7	760.8	0.9
469837.000	624.	4602.	1.0	762.5	763.7	0.8
470920.000	610.	4507.	1.1	762.9	762.2	0.7
473204.000	434.	2412.	2.0	765.0	764.3	0.7
473404.000	170.	1155.	4.2	765.3	764.6	0.7
473405.000	129.	835.	5.7	765.2	763.6	0.6
473410.000	132.	877.	5.5	765.5	764.8	0.7
473416.000	170.	1201.	4.0	765.8	764.0	0.9
473616.000	564.	7640.	1.5	766.2	765.5	0.7
476070.000	265.	1986.	2.4	769.1	768.2	0.9
477310.000	482.	3615.	1.3	770.5	769.5	1.0
479350.000	670.	4213.	1.1	771.4	770.4	1.0
479000.000	604.	3525.	1.4	771.8	770.0	1.8
479500.000	550.	5024.	1.6	772.3	771.3	1.0
483684.000	321.	1711.	2.6	780.6	779.7	0.9
483984.000	116.	662.	6.5	780.8	779.8	1.0
483985.000	114.	649.	6.8	780.0	779.4	1.0
484015.000	117.	702.	6.3	781.3	780.6	0.5
484716.000	118.	725.	6.1	781.4	780.9	0.5
484115.000	827.	2764.	1.0	782.2	781.2	0.8
494711.000	432.	2641.	1.3	791.1	790.5	0.6
494751.000	33.	396.	4.3	790.5	789.5	1.0
494799.000	53.	401.	9.2	790.6	789.9	0.7
494809.000	460.	3166.	1.2	792.2	791.7	0.5
495000.000	377.	2750.	1.3	792.2	791.7	0.5
495500.000	366.	2235.	1.7	792.6	792.0	0.6
496000.000	308.	1648.	2.2	793.0	792.7	0.3
497000.000	260.	1339.	2.6	796.4	795.5	0.9
502150.000	277.	1500.	1.9	811.4	810.0	0.8
505237.000	259.	1111.	2.7	821.4	820.5	0.7
505287.000	283.	1302.	2.0	822.3	821.4	0.9
505513.000	550.	3034.	1.9	825.7	824.6	1.1
505723.000	408.	2882.	0.8	825.8	824.9	0.9
505800.000	400.	2727.	0.9	825.6	824.7	0.9

FLOODWAY DATA, SEP 1977 OLD  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WILTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
50500.000	392.	2572.	0.9	825.8	824.9	0.9
506500.000	172.	958.	2.5	826.2	825.4	0.8
507500.000	167.	893.	2.5	829.2	828.4	0.8
510019.000	170.	921.	2.4	837.1	836.5	0.6
510119.000	132.	893.	2.5	837.5	836.7	0.8
510201.000	300.	2157.	1.0	840.8	840.0	0.8
510301.000	500.	2318.	0.9	840.8	840.8	0.0
510500.000	235.	1837.	1.2	841.0	840.9	0.1
510700.000	214.	1542.	1.4	841.1	841.0	0.1
511000.000	170.	1294.	1.8	841.4	841.2	0.2
511500.000	168.	844.	2.6	842.5	842.1	0.4
512000.000	157.	766.	3.9	844.6	843.5	1.1
514780.000	57.	347.	5.9	859.6	858.5	1.1
514950.000	62.	419.	3.3	860.5	859.5	1.0
514950.000	70.	510.	2.7	861.3	860.3	1.0
515050.000	75.	572.	2.1	861.6	860.6	1.0
515130.000	72.	565.	2.2	861.6	860.7	0.9



FIA COPY

HAY RIVER

Sta. 443926 - 454970

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATE: AUG 77  
ERROR CORR - 01,02  
MODIFICATION - 50,51,52,53  
\*\*\*\*\*

T1 GUILFORD COUNTY FIA STUDY-100 YR FLOOD  
T2 HAY RIVER (STREAM NO 44), NC 87 NR ALTAHANAW TO GUILFORD-FORSYTH CO LINE  
T3 SEP 1977 3LG

J1	HEC1	INR	NINR	IOIR	SINT	METRIC	RVINS	U	ASEL	FJ
	-1.	8.	0.	0.	0.000000	0.00	0.0	0.	725.600	0.000

J2	NPROF	IPL01	PREVS	XSECV	XSECH	EN	ALLOC	IBW	CHNIN	ITRAL
	1.000	0.000	-1.000	0.000	-1.000	0.000	0.000	0.000	0.000	15.000

J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	30.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	30.000	1.000

	95.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
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NC	0.120	0.120	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.000
BT	9.000	1000.000	2000.000	5000.000	10000.000	2100.000	4400.000	5000.000	10000.000	5000.000
ET	0.000	0.000	0.000	2200.000	2394.000	0.000	0.000	0.000	0.000	4.100

X1	445926.000	27.000	2200.000	2315.000	7076.000	7076.000	7076.000	0.000	0.000	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.600	1000.000	726.000	1700.000	725.600	1800.000	726.600	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2228.000	721.800	2239.000	721.200	2263.000	717.600	2265.000
GR	717.200	2279.000	716.900	2290.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	724.600	2550.000
GR	754.400	2700.000	761.000	2600.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	2220.000	2336.000	0.000	0.000	0.000	0.000	4.100

X1	444006.000	27.000	2220.000	2336.000	160.000	160.000	160.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	702.300	730.300	0.000
GR	761.000	1000.000	759.000	1100.000	753.400	1200.000	752.700	1300.000	741.900	1500.000
GR	732.600	1000.000	726.000	1700.000	725.600	1800.000	726.600	1900.000	725.700	2200.000
GR	723.300	2221.000	730.700	2228.000	721.800	2239.000	721.200	2263.000	717.600	2265.000
GR	717.200	2279.000	716.900	2290.000	720.300	2299.000	722.500	2315.000	731.700	2330.000
GR	723.400	2343.000	721.300	2400.000	725.900	2500.000	730.300	2500.000	724.600	2550.000
GR	754.400	2700.000	761.000	2600.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	2220.000	2336.000	0.000	0.000	0.000	0.000	4.100

X1	444007.000	31.000	2220.000	2336.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	750.700	1000.000	756.000	1100.000	737.900	1700.000	734.200	1900.000	733.300	2000.000
GR	732.900	2100.000	734.200	2221.000	732.300	2222.000	730.700	2228.000	721.800	2239.000
GR	721.200	2290.000	720.000	2291.000	732.800	2262.000	710.700	2263.000	717.600	2265.000
GR	717.200	2279.000	716.900	2290.000	720.300	2299.000	720.600	2301.000	733.300	2330.000
GR	720.800	2303.000	722.500	2315.000	731.700	2336.000	733.600	2342.000	735.700	2343.000

PRINTED BY: [illegible]



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 HEL2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 GUILFORD COUNTY FIA STUDY-100 YR FLOODWAY  
 T2 HAW RIVER(STREAM NO 44), NC 87 NR ALTAMAHAW TO GUILFORD-FORSYTH CO LINE  
 T3 SEP 1977 OLU

J1	ICHECK	INW	NINW	IDIX	STRI	MFIRIC	HVINS	Q	USEL	FD
	-10.	10.	0.	0.	0.000000	0.00	0.0	0.	726.100	0.000
J2	WPROF	IPLUT	PRFVS	K/ECV	XSECH	KN	ALLDC	I3W	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

\*PROF 2

CCHW= 0.290 CEHV= 0.400  
 \*SECND 443926.000

3265 DIVIDED FLOW

SE*NO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QRUS	ALOB	ACH	AR73	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRUS	XNL	ARCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBN	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	2200.0	2494.0	TYPE=	1	TARGET=	294.000			
443926.00	9.20	726.10	0.00	725.60	727.11	1.01	0.00	0.00	721.20
5800.	472.	3890.	1438.	145.	404.	480.	0.	0.	722.50
0.00	3.25	9.64	2.99	0.120	0.065	0.120	0.000	716.90	2200.00
0.013169	7076.	7076.	7076.	0	0	0	0.00	266.54	2494.00

FLOW DISTRIBUTION FOR SECND= 443926.000 CWSEL= 726.10

STAE	2200.	2221.	2221.	2239.	2260.	2315.	2324.	2343.	2400.	2494.
PER Q=	1.1	6.1	0.4	6.5	7.1	0.6	0.0	12.6	11.6	
AREA=	33.6	3.7	11.4	96.6	403.7	16.2	2.2	215.8	248.0	
VEL=	1.9	1.4	2.0	3.9	9.5	2.6	1.1	3.0	2.7	

\*SECND 444086.000

3470 ENCROACHMENT STATIONS= 2226.0 2338.0 TYPE= 1 TARGET= 110.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 732.30 ELREA= 732.30

444086.00	11.02	727.92	0.00	726.00	728.95	1.07	1.85	0.02	730.70
5800.	0.	5800.	0.	0.	698.	0.	3.	1.	100000.00
0.01	0.20	8.31	0.00	0.120	0.065	0.120	0.065	716.90	2231.44
0.010245	160.	160.	160.	3	0	0	0.00	97.10	2328.54

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR - 01,02

MODIFICATION - 50,51,52,55  
\*\*\*\*\*

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

SEP 1977 DCU

SUMMARY PRINTOUT

SECNO	CASEL	CB	ELLC	ELAIN	10K*8	Q
443926.000	725.60	726.94	0.00	716.90	184.24	5800.00
443926.000	725.10	727.11	0.00	716.90	151.69	5300.00
444086.000	726.06	729.09	0.00	716.90	96.74	5800.00
444086.000	727.92	728.99	0.60	716.90	102.45	5800.00
444087.000	726.05	729.13	0.00	716.90	148.41	5800.00
444087.000	727.00	729.03	0.00	716.90	156.80	5800.00
444115.000	726.55	729.51	0.00	716.90	122.12	5800.00
444115.000	728.85	729.43	0.00	716.90	126.85	5800.00
444114.000	728.65	729.53	0.00	715.90	75.73	5800.60
444114.000	728.55	729.46	0.00	716.90	79.70	5800.00
444234.000	729.87	730.87	0.00	716.90	18.90	5800.00
444234.000	729.76	730.89	0.00	716.90	26.77	5800.00
447585.000	732.27	732.28	0.00	721.50	5.24	5800.00
447585.000	732.87	732.89	0.00	721.50	5.90	5800.00
* 454970.000	740.10	741.20	0.00	731.30	175.46	5500.00
454970.000	740.50	741.72	0.00	731.30	168.55	5500.00

SEP 1977 0L9

SUMMARY PRINTOUT

SECNO	CASEL	SSTA	STCHL	STCHR	ENDST	TOPFD
443926.000	725.66	2210.66	2260.00	2315.00	2493.48	262.55
443926.000	725.10	2200.00	2260.00	2315.00	2494.00	266.59
444086.000	728.06	2231.26	2228.00	2338.00	2538.00	97.63
444086.000	727.92	2231.44	2228.00	2338.00	2528.54	97.10
444087.000	728.93	2231.50	2228.00	2338.00	2526.82	95.97
444087.000	727.86	2231.48	2228.00	2338.00	2528.46	95.39
444113.000	728.55	2230.65	2228.00	2338.00	2530.14	98.10
444113.000	728.45	2230.76	2228.00	2338.00	2529.87	97.66
444114.000	728.65	2230.53	2228.00	2338.00	2538.00	99.80
444114.000	728.55	2230.65	2228.00	2338.00	2530.13	99.48
444234.000	729.87	2200.00	2260.00	2315.00	2550.00	382.44
444234.000	729.75	2200.00	2260.00	2315.00	2430.00	221.91
447585.000	732.27	1803.45	2154.00	2174.00	2660.73	1057.28
447585.000	732.87	1800.00	2154.00	2179.00	2457.00	657.00
* 454970.000	740.10	2624.62	3008.00	3038.00	3070.77	441.15
454970.000	740.50	2800.00	3008.00	3038.00	3073.54	273.54

SUMMARY OF ERRORS

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

FLOODWAY DATA, SEP 1977 DLD  
PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	VELOCITY	WIDTH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
4443926.000	294.	1629.	5.6	726.1	725.6	0.5
444086.000	97.	698.	8.3	728.1	728.1	0.0
444067.000	97.	675.	8.6	728.0	728.0	0.0
444113.000	99.	729.	8.0	728.5	728.6	0.0
444114.000	99.	701.	7.6	728.7	728.7	0.0
444234.000	630.	1661.	5.5	729.9	729.9	0.0
447385.000	697.	5561.	1.0	732.9	732.3	0.6
454970.000	274.	990.	9.5	740.5	740.1	0.4

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 30,31,32,33  
 \*\*\*\*\*

HAW RIVER  
 #44

Releases 173610 - 284100

T1 GUILFORD CO. FIS  
 T2 10 YR NATURAL  
 T3 HAW RIVER

J1	ICHECK	INQ	NINQ	IOIR	STRT	METRIC	HVINS	Q	WSEL	FD
	0.	6.	0.	0.	0.000000	0.00	0.0	0.	762.700	0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	LTRAC
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	42.000	41.000	0.000	38.000	1.000	13.000	14.000
	15.000	55.000	26.000	56.000	0.000	150.000	201.700	0.000	0.000	0.000
NC	0.120	0.120	0.065	0.200	0.400	0.000	0.000	0.000	0.000	0.000
QT	9.000	1000.000	2000.000	5000.000	10000.000	1760.000	3650.000	4800.000	9000.000	4800.000
ET	0.000	0.000	0.000	1996.000	2565.000	0.000	0.000	0.000	0.000	4.100
X1	473616.000	24.000	2200.000	2238.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	760.000	1000.000	778.800	1100.000	778.500	1209.000	774.900	1300.000	773.500	1400.000
GR	775.300	1500.000	767.100	1600.000	764.500	1700.000	763.500	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2176.000	757.800	2200.000
GR	758.000	2200.000	755.700	2209.000	755.500	2220.000	755.900	2230.000	757.500	2258.000
GR	759.100	2270.000	758.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.000	2700.000	763.700	2800.000	770.500	2900.000	780.000	2955.000	0.000	0.000
ET	0.000	0.000	0.000	700.000	1002.000	0.000	0.000	0.000	0.000	4.100
X1	476079.000	13.000	878.000	900.000	2454.000	2454.000	2454.000	1.000	5.500	0.000
GR	003.200	140.000	791.500	289.300	766.800	555.000	757.500	730.000	755.800	870.000
GR	753.500	386.000	752.700	893.000	757.600	900.000	756.100	965.000	755.800	995.000
GR	756.000	1025.000	769.500	1090.000	801.500	1265.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	580.000	913.000	0.000	0.000	0.000	0.000	4.100
X1	477310.000	21.000	720.000	742.000	1060.000	1060.000	1060.000	1.000	-0.300	0.000
GR	798.000	210.000	775.000	330.000	775.000	500.000	762.000	500.000	762.200	540.000
GR	768.200	570.000	762.600	670.000	762.600	696.000	763.000	720.000	761.500	728.000
GR	754.200	724.000	759.600	738.000	763.700	742.000	762.800	815.000	762.000	906.000
GR	763.500	955.000	767.500	995.000	772.000	1028.000	781.500	1132.000	785.800	1172.000
GR	791.000	121.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1470.000	2050.000	0.000	0.000	0.000	0.000	4.100

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,32  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

HAW RIVER  
 # 44

T1 GUILFORD CO. FIS  
 T2 10 YR NATURAL  
 T3 HAW RIVER

Release 173000 - 244100

J1	ICHECK	ING	RINV	IOIR	STRT	METRIC	HVING	U	WSEL	FG
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	762.700	0.000
J2	NPROF	IPLDI	PRFVS	XSECV	XSECH	FN	ALLUC	JBW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	5.000	42.000	41.000	0.000	38.000	1.000	13.000	14.000
	15.000	55.000	26.000	56.000	0.000	158.000	201.000	0.000	0.000	0.000
NC	0.120	0.120	0.065	0.200	0.400	0.000	0.000	0.000	0.000	0.000
UT	9.000	1000.000	2000.000	5000.000	10000.000	1760.000	3650.000	4800.000	9000.000	4630.000
ET	0.000	0.000	0.000	1990.000	2565.000	0.000	0.000	0.000	0.000	4.100
X1	473510.000	29.000	2200.900	2238.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	780.000	1000.000	778.800	1100.000	778.500	1200.000	774.900	1300.000	773.500	1400.000
GR	775.500	1500.000	767.100	1600.000	764.500	1700.000	763.500	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2178.000	757.000	2200.000
GR	758.000	2205.000	755.700	2200.000	755.300	2220.000	755.900	2230.000	757.100	2250.000
GR	759.100	2270.000	758.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.000	2700.000	763.700	2800.000	770.500	2900.000	780.000	2935.000	0.000	0.000
ET	0.000	0.000	0.000	700.000	1602.000	0.000	0.000	0.000	0.000	4.100
X1	475070.000	13.000	678.000	900.000	2454.000	2454.000	2454.000	1.000	5.300	0.000
GR	803.200	140.000	791.500	240.000	766.800	555.000	757.300	730.000	755.800	878.000
GR	753.500	880.000	752.700	893.000	757.600	900.000	756.100	965.000	755.000	995.000
GR	756.000	1025.000	769.500	1090.000	801.500	1265.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	580.000	913.000	0.000	0.000	0.000	0.000	4.100
X1	477317.000	21.000	720.000	742.000	1060.000	1060.000	1060.000	1.000	-0.300	0.000
GR	798.000	210.000	775.000	330.000	775.000	500.000	762.000	500.000	762.200	540.000
GR	768.200	570.000	762.600	670.000	762.600	698.000	763.000	720.000	761.500	728.000
GR	758.200	729.000	759.600	738.000	763.700	742.000	762.000	815.000	762.600	908.000
GR	763.500	955.000	767.500	995.000	772.000	1025.000	781.500	1152.000	785.800	1172.000
GR	791.000	1210.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1470.000	2050.000	0.000	0.000	0.000	0.000	4.100



X1	478530.000	51.000	1700.000	1736.000	1400.000	1400.000	1400.000	0.000	0.000	0.000
GR	800.500	1000.000	790.500	1100.000	782.500	1200.000	772.900	1300.000	767.000	1400.000
GR	763.400	1500.000	765.400	1600.000	764.200	1700.000	763.900	1702.000	762.000	1703.000
GR	759.800	1714.000	761.800	1734.000	764.900	1736.000	764.500	1800.000	765.200	1900.000
GR	765.900	2000.000	766.400	2100.000	766.900	2200.000	775.000	2200.000	775.000	2400.000
GR	775.000	2500.000	775.000	2600.000	775.000	2700.000	775.000	2800.000	775.000	2900.000
GR	775.000	3000.000	777.900	3100.000	779.000	3200.000	782.000	3300.000	786.200	3400.000
GR	793.600	3474.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1527.000	2152.000	0.000	0.000	0.000	0.000	4.100

X1	479000.000	0.000	0.000	0.000	470.000	470.000	470.000	1.000	0.900	0.000
ET	0.000	0.000	0.000	1531.000	2080.000	0.000	0.000	0.000	0.000	4.100

X1	479500.000	0.000	0.000	0.000	500.000	500.000	500.000	1.000	1.000	0.000
BT	0.000	1000.000	2000.000	5000.000	10000.000	1600.000	3300.000	4400.000	8400.000	4400.000
ET	0.000	0.000	0.000	1459.000	1792.000	0.000	0.000	0.000	0.000	4.100

X1	483864.000	24.000	1686.000	1719.000	4384.000	4384.000	4384.000	0.000	0.000	0.000
GR	793.000	1030.000	789.100	1100.000	785.800	1180.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.600	1686.000	770.500	1691.000	770.900	1703.000
GR	771.800	1715.000	775.300	1719.000	776.800	1740.000	784.500	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
ET	0.000	0.000	0.000	1634.000	1750.000	0.000	0.000	0.000	0.000	4.100

X1	483984.000	24.000	1634.000	1759.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	780.000	780.000	0.000
GR	793.000	1080.000	789.100	1100.000	785.800	1180.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.600	1686.000	770.500	1691.000	770.900	1703.000
GR	771.800	1715.000	775.300	1719.000	776.800	1740.000	784.500	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
NC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1635.000	1750.000	0.000	0.000	0.000	0.000	4.100

X1	483985.000	28.000	1634.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
GR	790.900	1000.000	784.800	1200.000	782.200	1300.000	781.400	1400.000	782.500	1500.000
GR	784.500	1600.000	785.100	1627.000	783.200	1628.000	781.000	1634.000	775.100	1631.000
GR	775.700	1672.000	784.600	1673.000	775.900	1674.000	774.600	1686.000	770.500	1691.000
GR	770.600	1595.000	770.900	1703.000	771.800	1715.000	773.500	1717.000	785.800	1718.000
GR	775.500	1719.000	776.800	1740.000	784.500	1759.000	786.400	1765.000	786.500	1764.000
GR	791.500	1871.000	792.500	1900.000	794.900	1957.000	0.000	0.000	0.000	0.000
BT	14.000	1000.000	790.900	790.900	1200.000	784.600	784.600	1300.000	782.200	782.200
BT	1400.000	781.400	781.400	1500.000	782.300	782.300	1600.000	784.500	784.500	1627.000
BT	785.100	785.100	1628.000	785.100	783.200	1695.000	787.100	785.200	1765.000	788.500
BT	786.400	1764.000	786.500	786.500	1871.000	791.500	791.500	1900.000	792.500	792.500
BT	1957.000	794.900	794.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	1300.000	1759.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	484015.000	0.000	0.000	0.000	20.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
ET	0.000	1400.000	1651.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100

X1	484016.000	24.000	1634.000	1759.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	781.400	781.400	0.000
GR	793.000	1080.000	789.100	1100.000	785.800	1180.000	782.800	1200.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1628.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.600	1686.000	770.500	1691.000	770.900	1703.000
GR	771.800	1715.000	775.300	1719.000	776.800	1740.000	784.500	1759.000	772.900	1764.000





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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 GUILFORD CO FIS  
 T2 100 YR NATURAL  
 T3 HAW RIVER

J1	ICHECK	INW	WINV	IDIR	STKT	METRIC	HVINS	W	WSEL	FW
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	765.500	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLUC	IBW	CNNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	3.000	0.000	0.000



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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

RIVER  
 SUMMARY PRINTOUT

SECD	CWSEL	EG	ELMIN	ELLC
473616.000	762.74	762.74	755.30	0.00
473616.000	764.90	764.93	755.30	0.00
473616.000	765.50	765.53	755.30	0.00
473616.000	767.80	767.84	755.30	0.00
476070.000	765.71	765.75	758.00	0.00
476070.000	767.36	767.44	758.00	0.00
476070.000	769.22	768.31	758.00	0.00
476070.000	770.54	770.69	758.00	0.00
477310.000	766.91	766.93	758.90	0.00
477310.000	768.88	768.91	758.90	0.00
477310.000	769.82	769.87	758.90	0.00
477310.000	772.45	772.52	758.90	0.00
478530.000	767.95	767.97	759.80	0.00
478530.000	769.93	769.95	759.80	0.00
478530.000	770.89	770.91	759.80	0.00
478530.000	773.60	773.63	759.80	0.00
479000.000	768.34	768.38	760.70	0.00
479000.000	770.25	770.28	760.70	0.00
479000.000	771.19	771.22	760.70	0.00
479000.000	773.89	773.93	760.70	0.00
479500.000	769.02	769.08	761.70	0.00
479500.000	770.76	770.80	761.70	0.00
479500.000	771.65	771.69	761.70	0.00
479500.000	774.29	774.33	761.70	0.00
483864.000	777.75	777.85	770.50	0.00
483864.000	778.97	779.12	770.50	0.00
483864.000	779.56	779.73	770.50	0.00
483864.000	781.41	781.63	770.50	0.00
483964.000	778.01	778.32	770.50	0.00
483964.000	779.21	779.93	770.50	0.00
483964.000	779.72	780.76	770.50	0.00
483964.000	781.83	781.98	770.50	0.00

SECNO	CASEL	EG	ELMIN	ELLC
483985.000	778.92	778.54	770.50	0.00
483985.000	779.21	779.97	770.50	0.00
483985.000	779.73	789.81	770.50	0.00
483985.000	781.45	783.56	770.50	0.00
484015.000	778.52	776.60	770.50	0.00
484015.000	779.69	786.96	770.50	0.00
484015.000	780.73	781.47	770.50	0.00
484015.000	784.18	784.84	770.50	0.00
484016.000	778.56	776.65	770.50	0.00
484016.000	779.97	780.49	770.50	0.00
484016.000	780.83	781.51	770.50	0.00
484016.000	785.15	785.29	770.50	0.00
484116.000	778.89	778.84	770.50	0.00
484116.000	780.75	780.79	770.50	0.00
484116.000	781.80	781.85	770.50	0.00
484116.000	785.22	785.37	770.50	0.00

## RIVER

## SUMMARY PRINTOUT

SECRD	CASEL	QLOB	QCH	QV02	VLOB	VCH	VMOB
473616.000	762.70	582.90	625.86	753.24	0.68	2.52	0.77
473616.000	764.90	1043.16	780.95	1775.89	0.72	2.36	0.81
473616.000	765.50	1514.73	926.89	2358.38	0.83	2.62	0.92
473616.000	767.60	3239.35	1296.96	4463.69	1.03	2.94	1.13
476070.000	765.71	734.43	375.85	649.72	1.11	2.50	1.19
476070.000	767.36	1653.17	652.72	1363.72	1.60	3.83	1.72
476070.000	768.22	2203.97	801.78	1794.25	1.79	4.24	1.93
476070.000	770.54	4353.52	1305.51	3340.96	2.33	3.43	2.55
477310.000	766.91	583.26	287.05	889.69	0.86	2.07	0.92
477310.000	768.88	1277.35	488.95	1843.70	1.16	2.68	1.27
477310.000	769.82	1720.58	599.94	2479.69	1.31	2.95	1.43
477310.000	772.45	3343.08	963.65	4673.27	1.77	3.77	1.89
478530.000	767.95	652.38	481.14	626.48	0.68	1.98	0.59
478530.000	769.93	1387.94	687.87	1579.19	0.86	2.19	0.79
478530.000	770.89	1833.35	805.87	2155.78	0.94	2.31	0.89
478530.000	773.00	3525.58	1211.44	4262.98	1.17	2.72	1.16
479000.000	768.34	646.93	555.59	563.48	0.81	2.48	0.68
479000.000	770.25	1381.13	749.74	1519.13	0.98	2.56	0.88
479000.000	771.19	1830.30	853.12	2108.57	1.05	2.64	0.98
479000.000	773.89	3501.63	1262.23	4235.74	1.27	2.98	1.24
479500.000	769.02	626.83	517.87	513.50	0.90	2.50	0.75
479500.000	770.76	1374.07	517.18	1458.75	1.10	2.97	0.98
479500.000	771.65	1822.77	927.70	2049.70	1.18	3.02	1.08
479500.000	774.29	3484.33	1319.04	4146.13	1.38	3.28	1.34
483884.000	777.75	502.64	733.31	364.05	1.02	3.60	1.20
483884.000	778.97	1348.25	1163.25	786.50	1.47	4.76	1.77
483884.000	779.56	1958.14	1393.31	1050.55	1.70	5.28	2.03
483884.000	781.41	4362.78	2055.18	1962.04	2.26	6.38	2.60
483984.000	778.01	0.00	1800.00	0.00	0.00	4.45	0.00
483984.000	779.21	0.00	3300.00	0.00	0.00	6.05	0.00
483984.000	779.72	0.00	4400.00	0.00	0.00	8.17	0.00
483984.000	781.83	3610.24	3251.00	1530.70	1.95	4.16	2.35
483985.000	778.02	0.00	1800.00	0.00	0.00	4.55	0.00
483985.000	779.21	0.00	3300.00	0.00	0.00	6.98	0.00
483985.000	779.73	0.00	4400.00	0.00	0.00	8.35	0.00
483985.000	781.45	0.25	8399.74	0.00	0.47	11.66	0.00
484015.000	778.32	0.00	1800.00	0.00	0.00	4.19	0.00
484015.000	779.89	0.00	3300.00	0.00	0.00	6.05	0.00
484015.000	780.73	0.00	4400.00	0.00	0.00	8.90	0.00
484015.000	784.18	1102.53	7297.47	0.00	1.70	6.95	0.00
484016.000	778.36	0.00	1800.00	0.00	0.00	4.06	0.00
484016.000	779.97	0.00	3300.00	0.00	0.00	5.83	0.00



484016.000	780.83	0.00	4400.00	0.00	0.00	2.63	0.00
484016.000	785.15	4047.62	2959.35	1393.03	1.23	2.49	1.40

SECNO	CWSEL	VLOB	VCH	VR0B	VLOB	VCH	VR0B
484116.000	778.81	635.95	582.20	381.87	0.74	2.44	0.90
484116.000	780.75	1646.13	875.86	778.22	1.00	2.89	1.17
484116.000	781.80	2346.12	1032.03	1021.85	1.11	3.06	1.27
484116.000	785.22	5050.59	1487.27	1862.13	1.33	3.30	1.45

## RIVER

## SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELINC	ELLC	ELMIN	U	CHSEL	CHWS	CG	10K#5	VCR	AREA	.01K
473616.000	200.00	0.00	0.00	755.30	1760.00	762.70	0.00	762.74	10.18	2.52	1792.61	551.55
473616.000	200.00	0.00	0.00	755.30	3650.00	764.90	0.00	764.93	6.05	2.35	4040.67	1483.64
473616.000	200.00	0.00	0.00	755.30	4800.00	765.50	0.00	765.53	6.83	2.62	4730.23	1836.70
473616.000	200.00	0.00	0.00	755.30	9000.00	767.60	0.00	767.64	6.41	2.94	7543.79	3554.90
476070.000	2454.00	0.00	0.00	758.00	1760.00	765.71	0.00	765.75	15.06	2.80	1745.29	453.00
476070.000	2454.00	0.00	0.00	758.00	3650.00	767.36	0.00	767.44	20.51	3.63	1968.53	805.98
476070.000	2454.00	0.00	0.00	758.00	4800.00	768.22	0.00	768.31	21.62	4.24	2349.21	1027.52
476070.000	2454.00	0.00	0.00	758.00	9000.00	770.54	0.00	770.69	26.03	5.43	3016.01	1763.99
477310.000	1060.00	0.00	0.00	758.90	1760.00	766.91	0.00	766.93	8.46	2.07	1792.17	605.15
477310.000	1060.00	0.00	0.00	758.90	3650.00	768.86	0.00	768.91	9.93	2.66	2766.57	1150.52
477310.000	1060.00	0.00	0.00	758.90	4800.00	769.82	0.00	769.87	10.42	2.93	3249.65	1426.93
477310.000	1060.00	0.00	0.00	758.90	9000.00	772.45	0.00	772.52	12.16	3.77	4627.68	2581.43
478530.000	1400.00	0.00	0.00	759.60	1760.00	767.95	0.00	767.97	6.62	1.90	2263.27	663.99
478530.000	1400.00	0.00	0.00	759.60	3650.00	769.93	0.00	769.95	5.74	2.19	3911.63	1524.04
478530.000	1400.00	0.00	0.00	759.60	4800.00	770.89	0.00	770.91	5.56	2.33	4732.15	2024.97
478530.000	1400.00	0.00	0.00	759.60	9000.00	773.60	0.00	773.63	5.51	2.72	7142.67	3632.91
479000.000	470.00	0.00	0.00	760.70	1760.00	768.34	0.00	768.36	11.46	2.46	1851.51	519.88
479000.000	470.00	0.00	0.00	760.70	3650.00	770.25	0.00	770.28	6.57	2.56	3421.97	1246.76
479000.000	470.00	0.00	0.00	760.70	4800.00	771.19	0.00	771.22	7.69	2.64	4216.95	1706.86
479000.000	470.00	0.00	0.00	760.70	9000.00	772.89	0.00	773.93	7.59	2.98	6589.70	3380.84
479500.000	500.00	0.00	0.00	761.70	1760.00	769.02	0.00	769.06	12.91	2.90	3593.05	428.01
479500.000	500.00	0.00	0.00	761.70	3650.00	770.76	0.00	770.80	12.54	2.97	5069.38	1030.50
479500.000	500.00	0.00	0.00	761.70	4800.00	771.65	0.00	771.69	11.18	3.02	5759.02	1433.31
479500.000	500.00	0.00	0.00	761.70	9000.00	774.29	0.00	774.33	9.22	3.26	8049.42	2963.96
483884.000	4384.00	0.00	0.00	770.50	1600.00	777.73	0.00	777.65	24.39	3.60	1000.39	323.95
483884.000	4384.00	0.00	0.00	770.50	3300.00	779.97	0.00	779.12	33.62	4.76	1808.59	569.15
483884.000	4384.00	0.00	0.00	770.50	4400.00	779.56	0.00	779.73	37.31	3.20	1931.55	720.38
483884.000	4384.00	0.00	0.00	770.50	8400.00	781.41	0.00	781.63	40.39	6.32	3061.70	1321.77
483984.000	100.00	0.00	0.00	770.50	1600.00	778.01	0.00	778.32	72.83	4.45	359.23	187.49
483984.000	100.00	0.00	0.00	770.50	3300.00	779.21	0.00	779.93	126.35	6.85	482.03	293.35
483984.000	100.00	0.00	0.00	770.50	4400.00	772.72	0.00	780.76	161.27	6.17	536.37	346.48
483984.000	100.00	0.00	0.00	770.50	8400.00	781.63	0.00	781.92	22.34	4.16	5282.41	1577.78
483985.000	1.00	0.00	0.00	770.50	1600.00	778.02	0.00	778.34	65.38	4.33	351.60	173.13
483985.000	1.00	0.00	0.00	770.50	3300.00	779.23	0.00	779.97	153.09	6.98	472.48	269.85
483985.000	1.00	0.00	0.00	770.50	4400.00	779.73	0.00	780.81	201.98	6.35	527.03	309.50
483985.000	1.00	0.00	0.00	770.50	8400.00	781.45	0.00	783.36	302.52	11.66	720.64	462.95
484015.000	30.00	0.00	0.00	770.50	1600.00	778.32	0.00	778.60	67.30	4.19	381.64	195.03
484015.000	30.00	0.00	0.00	770.50	3300.00	779.89	0.00	780.46	103.31	3.05	545.64	324.67
484015.000	30.00	0.00	0.00	770.50	4400.00	780.73	0.00	781.47	117.99	3.90	637.84	405.00
484015.000	30.00	0.00	0.00	770.50	8400.00	784.18	0.00	784.84	76.37	6.93	1099.27	461.24
484016.000	1.00	0.00	0.00	770.50	1600.00	778.36	0.00	778.61	54.90	4.06	393.96	215.94
484016.000	1.00	0.00	0.00	770.50	3300.00	779.91	0.00	780.48	78.24	3.53	565.80	373.07

484016.000	1.00	0.00	0.00	770.50	4400.00	780.85	0.00	781.51	66.22	6.63	664.06	673.85
484016.000	1.00	0.00	0.00	770.50	8400.00	785.15	0.00	785.20	6.22	2.49	5476.29	3367.45

SECNO	ALCH	ELTRD	ELLC	ELMIN	U	CWSEL	CRWS	EG	10KRS	VCH	AREA	.01K
484116.000	100.00	0.00	0.00	770.50	1600.00	778.80	0.00	778.84	4.06	2.44	1522.86	531.51
484116.000	100.00	0.00	0.00	770.50	3500.00	780.75	0.00	780.79	4.26	2.89	2618.70	1084.57
484116.000	100.00	0.00	0.00	770.50	4400.00	781.80	0.00	781.85	6.97	3.00	3259.39	1469.19
484116.000	100.00	0.00	0.00	770.50	8400.00	785.22	0.00	785.27	7.13	3.30	5520.00	3146.70

## RIVER

## SUMMARY PRINTOUT TABLE 150

SECNO	W	CWSEL	DIFWSP	DIFWEX	DIFKNS	TUPRID	XLCH
473616.000	1760.00	762.70	0.00	9.00	0.00	874.64	200.00
473616.000	3650.00	764.90	2.20	0.00	0.0	1133.03	200.00
473616.000	4800.00	765.50	0.60	0.00	0.00	1169.93	200.00
473616.000	9000.00	767.80	2.30	0.00	0.00	1268.83	200.00
476070.000	1760.00	765.71	0.00	3.01	0.00	373.02	2454.00
476070.000	3650.00	767.36	1.96	2.46	0.00	411.80	2454.00
476070.000	4800.00	768.22	0.86	2.72	0.00	431.87	2454.00
476070.000	9000.00	770.54	2.32	2.74	0.00	465.75	2454.00
477310.000	1760.00	766.91	0.00	1.20	0.00	469.33	1060.00
477310.000	3650.00	768.86	1.97	1.51	0.00	507.30	1060.00
477310.000	4800.00	769.82	0.95	1.60	0.00	514.24	1060.00
477310.000	9000.00	772.45	2.63	1.91	0.00	536.23	1060.00
478530.000	1760.00	767.95	0.00	1.04	0.00	616.11	1400.00
478530.000	3650.00	769.93	1.98	1.65	0.00	649.65	1400.00
478530.000	4800.00	770.89	0.98	1.06	0.00	663.86	1400.00
478530.000	9000.00	773.60	2.71	1.15	0.00	907.29	1400.00
479000.000	1760.00	768.34	0.00	0.39	0.00	807.51	470.00
479000.000	3650.00	770.25	1.91	0.32	0.00	839.82	470.00
479000.000	4800.00	771.19	0.94	0.30	0.00	855.76	470.00
479000.000	9000.00	773.89	2.70	0.29	0.00	900.92	470.00
479500.000	1760.00	769.02	0.00	0.68	0.00	802.06	500.00
479500.000	3650.00	770.76	1.73	0.51	0.00	831.45	500.00
479500.000	4800.00	771.65	0.89	0.46	0.00	846.60	500.00
479500.000	9000.00	774.29	2.64	0.40	0.00	891.27	500.00
483684.000	1600.00	777.75	0.00	8.72	0.00	454.62	4384.00
483684.000	3300.00	778.97	1.22	9.21	0.00	535.19	4384.00
483684.000	4400.00	779.56	0.59	7.91	0.00	554.92	4384.00
483684.000	8400.00	781.41	1.85	7.13	0.00	615.34	4384.00
483984.000	1600.00	778.01	0.00	0.27	0.00	100.17	100.00
483984.000	3300.00	779.21	1.19	0.24	0.00	106.88	100.00
483984.000	4400.00	779.72	0.51	0.16	0.00	109.70	100.00
483984.000	8400.00	781.83	2.11	0.42	0.00	627.73	100.00
483985.000	1600.00	778.02	0.00	0.01	0.00	97.64	1.00
483985.000	3300.00	779.21	1.20	0.01	0.00	104.60	1.00
483985.000	4400.00	779.73	0.51	0.01	0.00	107.59	1.00
483985.000	8400.00	781.45	1.72	-0.39	0.00	126.71	1.00
484015.000	1600.00	778.32	0.00	0.20	0.00	99.41	30.00
484015.000	3300.00	779.69	1.37	0.68	0.00	108.56	30.00
484015.000	4400.00	780.73	0.84	1.00	0.00	113.43	30.00
484015.000	8400.00	786.18	3.45	2.73	0.00	499.62	30.00
484016.000	1600.00	778.36	0.00	0.03	0.00	102.33	1.00
484016.000	3300.00	779.97	1.61	0.07	0.00	111.04	1.00

484016.000	4400.00	780.63	0.67	0.10	0.00	115.74	1.00
484016.000	6400.00	785.15	4.32	0.97	0.00	680.17	1.00

6

SECNO	Q	CRSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
484116.000	1600.00	776.80	0.00	0.44	0.00	529.78	100.00
484116.000	5300.00	780.75	1.95	0.78	0.00	594.72	100.00
484116.000	4400.00	781.80	1.05	0.96	0.00	626.65	100.00
484116.000	6400.00	785.22	3.42	0.06	0.00	680.67	100.00

SUMMARY OF ERRORS

FLOOD INSURANCE ZONE DATA FOR RIVER

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND I		
		101	21	0.24
473616.000	0.	-2.80	-0.60	2.50
476670.000	2454.	-2.51	-0.86	2.32
477310.000	3514.	-2.92	-0.95	2.63
478530.000	4014.	-2.94	-0.96	2.71
479000.000	5354.	-2.85	-0.94	2.70
479500.000	5884.	-2.63	-0.89	2.64
483884.000	10266.	-1.81	-0.59	1.85
483984.000	10566.	-1.70	-0.51	2.11
483985.000	10569.	-1.71	-0.51	1.72
484015.000	10599.	-2.41	-0.84	3.03
484016.000	10400.	-2.48	-0.87	4.32
484116.000	10500.	-3.00	-1.05	3.42
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WEIGHTED AVG FOR REACH		-2.52	-0.80	2.40

FHF FOR THE REACH = 0.25 WITH 100.01 OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A 5

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HAW RIVER #44

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REC2 RELEASE DATED NOV 76 UPDATED AUG 77  
ERROR CORR - 01,02  
MODIFICATION - 50,51,52,53  
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Sta. 473616 - 484116

473616 - 484116

T1 GUILFORD CO: FIS  
T2 100 YR NATURAL  
T3 HAW RIVER

J1	ICHECK	ING	NINV	IDIR	STRT	REINIC	RVINS	U	WSEL	FD
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	765,500	0.000

J2	NPROF	IP/OT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.000	-1.200	0.000	0.000	0.000	0.000	0.000	0.000	15.000

J3 VARIABLE CUES FOR SUMMARY PRINTOUT

	36.000	1.000	3.000	41.000	42.000	3.000	45.000	0.000	36.000	1.000
	55.000	21.000	22.000	54.000	4.000	0.000	260.000	0.000	0.000	0.000

RC	0.120	0.120	0.065	0.200	0.400	0.300	0.000	0.000	0.000	0.000
RI	9.050	1000.000	2000.000	5000.000	10000.000	1760.000	3650.000	4600.000	9000.000	4800.000
ET	0.700	0.000	0.000	1998.000	2565.000	0.000	0.000	0.000	3.000	4.100

X1	475616.000	29.000	2200.000	2238.000	254.000	200.000	209.000	0.000	0.000	0.000
GR	760.500	1000.000	778.000	1100.000	778.500	1200.000	774.900	1500.000	773.500	1400.000
GR	775.500	1500.000	7.7.100	1600.000	764.500	1700.000	763.500	1800.000	762.400	1900.000
GR	781.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2176.000	757.600	2200.000
GR	758.000	2205.000	755.700	2209.000	755.500	2220.000	755.990	2230.000	757.500	2220.000
GR	759.100	2270.000	756.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.500	2700.000	763.700	2800.000	770.500	2900.000	780.000	2955.000	0.000	0.000
ET	0.000	0.000	0.000	700.000	1662.000	0.000	0.000	0.000	0.000	4.100

X1	476076.000	13.000	878.000	900.000	2454.000	2454.000	2454.000	1.000	5.500	0.000
GR	803.200	140.000	791.500	240.000	766.600	555.000	757.500	750.000	759.600	878.000
GR	753.900	886.000	752.700	893.000	757.600	900.000	756.100	965.000	759.800	995.000
GR	756.000	1025.000	760.500	1090.000	801.500	1255.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	580.000	915.000	0.000	0.000	0.000	0.000	4.100

X1	477310.000	21.000	720.000	742.000	1060.000	1060.000	1060.000	1.000	-0.500	0.000
GR	798.000	210.000	775.000	350.000	775.000	500.000	762.000	500.000	762.200	540.000
GR	768.200	570.000	762.600	670.000	762.600	690.000	763.000	720.000	761.500	720.000
GR	759.200	729.000	759.600	738.000	763.700	742.000	762.800	815.000	762.600	960.000
GR	763.500	955.000	767.500	995.000	772.000	1028.000	761.500	1152.000	763.800	1172.000
GR	791.000	1210.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1470.000	2650.000	0.000	0.000	0.000	0.000	4.100

X1	478530.000	31.000	1700.000	1736.000	1400.000	1400.000	1400.000	0.000	0.000	0.000
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FIA COPY

HAW RIVER #44

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HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
ERROR CORR - 01,02  
MODIFICATION - 50,51,52,53  
\*\*\*\*\*

STN. A73616 - 484116

A73616 - 484116

T1 GUILFORD CO. FIS  
T2 4-YR NATURAL  
T3 HAW RIVER

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	NLEL	FD
	0.	0.	0.	0.	0.000000	0.00	0.0	0.	765.500	0.000

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ACLOC	LDN	CHNIM	ITRAC
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	58,000	1,000	3,000	41,000	42,000	5,000	43,000	0,000	58,000	1,000
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	55,000	21,000	22,000	54,000	4,000	0,000	200,000	0,000	0,000	0,000
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HC	0.120	0.120	0.065	0.200	0.400	0.000	0.000	0.000	0.000	0.000
BT	9.000	1000.000	2000.000	5000.000	10000.000	1700.000	3650.000	4800.000	9000.000	9800.000
CT	0.000	0.000	0.000	1995.000	2565.000	0.000	0.000	0.000	0.000	4.100

X1	473616.000	29,000	2200.000	2230.000	200.000	200.000	200.000	200.000	0.000	0.000
GR	780.000	1000.000	778.900	1100.000	778.500	1200.000	774.900	1300.000	773.500	1400.000
GR	775.500	1500.000	767.100	1600.000	764.500	1700.000	763.500	1800.000	762.400	1900.000
GR	761.500	2000.000	760.100	2100.000	759.900	2150.000	760.100	2176.000	757.800	2200.000
GR	758.000	2203.000	755.700	2209.000	755.300	2220.000	755.900	2230.000	757.500	2238.000
GR	759.100	2270.000	756.400	2300.000	760.500	2400.000	760.600	2500.000	762.600	2600.000
GR	761.800	2700.000	763.700	2800.000	770.500	2900.000	760.000	2955.000	0.000	0.000
ET	0.000	0.000	0.000	700.000	1002.000	0.000	0.000	0.000	0.000	4.100

X1	476070.000	13,000	878.000	900.000	2454.000	2454.000	2454.000	1.000	5.500	0.000
GR	803.200	140.000	791.500	240.000	766.800	555.000	757.300	730.000	759.800	878.000
GR	753.500	865.000	752.700	893.000	757.600	900.000	756.100	965.000	759.800	995.000
GR	756.000	1025.000	769.500	1090.000	801.500	1265.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	580.000	913.000	0.000	0.000	0.000	0.000	4.100

X1	477310.000	21,000	720.000	742.000	1060.000	1060.000	1060.000	1.000	-0.500	0.000
GR	798.000	210.000	775.000	330.000	775.000	500.000	762.000	500.000	702.200	540.000
GR	768.200	570.000	762.500	670.000	762.600	698.000	763.000	720.000	761.500	728.000
GR	759.200	729.000	759.600	736.600	763.700	742.000	762.000	815.000	762.600	766.000
GR	763.500	955.000	767.500	995.000	772.000	1028.000	781.500	1132.000	785.800	1172.000
GR	791.000	1210.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	1470.000	2050.000	0.000	0.000	0.000	0.000	4.100

X1	476530.000	51,000	1700.000	1736.000	1400.000	1400.000	1400.000	0.000	0.000	0.000
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GR	800,500	1000,000	790,500	1100,000	782,500	1200,000	772,900	1300,000	767,000	1400,000
GR	763,400	1500,000	763,400	1500,000	764,200	1700,000	763,400	1702,000	762,000	1703,000
GR	759,800	1714,000	761,800	1734,000	764,900	1730,000	764,500	1800,000	763,200	1760,000
GR	765,900	2000,000	766,400	2100,000	766,900	2200,000	775,000	2200,000	775,000	2400,000
GR	775,000	2500,000	775,000	2600,000	775,900	2700,000	775,000	2600,000	775,000	2900,000
GR	775,000	3000,000	777,900	3100,000	779,000	3200,000	782,000	3300,000	788,200	3400,000
GR	793,500	3374,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	1527,000	2132,000	0,000	0,000	0,000	0,000	4,100
X1	479000,000	0,000	0,000	0,000	470,000	470,000	470,000	1,000	0,900	0,000
ET	0,000	0,000	0,000	1531,000	2000,000	0,000	0,000	0,000	0,000	4,100
X1	479500,000	0,000	0,000	0,000	500,000	500,000	500,000	1,000	1,000	0,000
ET	0,000	1000,000	2000,000	3000,000	10000,000	1600,000	5300,000	4400,000	8400,000	4400,000
ET	0,000	0,000	0,000	1459,000	1792,000	0,000	0,000	0,000	0,000	4,100
X1	483884,000	24,000	1666,000	1719,000	4384,000	4384,000	4384,000	0,000	0,000	0,000
GR	795,000	1000,000	789,100	1100,000	785,800	1180,000	782,800	1200,000	776,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1628,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,600	1686,000	776,500	1691,000	776,900	1703,000
GR	771,800	1715,000	775,300	1719,000	776,800	1740,000	780,500	1759,000	772,900	1764,000
GR	776,600	1851,000	789,500	1871,000	789,800	1920,000	797,800	1957,000	0,000	0,000
ET	0,000	0,000	0,000	1634,000	1750,000	0,000	0,000	0,000	0,000	4,100
X1	483964,000	24,000	1634,000	1759,000	190,000	100,000	100,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	780,000	780,000	0,000
GR	795,000	1000,000	789,100	1100,000	785,800	1180,000	782,800	1200,000	776,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1628,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,600	1686,000	776,500	1691,000	776,900	1703,000
GR	771,800	1715,000	775,300	1719,000	776,800	1740,000	780,500	1759,000	772,900	1764,000
GR	776,600	1851,000	789,500	1871,000	789,800	1920,000	797,800	1957,000	0,000	0,000
NC	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	1635,000	1750,000	0,000	0,000	0,000	0,000	4,100
X1	483985,000	28,000	1634,900	1759,000	1,000	1,000	1,000	0,000	0,000	0,000
GR	790,900	1000,000	784,600	1200,000	782,200	1300,000	781,400	1400,000	782,500	1500,000
GR	784,500	1600,000	785,100	1627,000	783,200	1628,000	781,000	1634,000	779,100	1651,000
GR	775,700	1672,000	784,600	1673,000	775,900	1674,000	774,600	1686,000	776,500	1691,000
GR	770,600	1695,000	776,900	1703,000	771,600	1715,000	773,500	1717,000	783,000	1716,000
GR	775,500	1719,000	776,800	1740,000	784,500	1759,000	786,400	1763,000	786,500	1760,000
GR	791,500	1871,000	792,500	1900,000	794,900	1957,000	0,000	0,000	0,000	0,000
BT	14,000	1000,000	790,900	790,900	1200,000	786,600	784,600	1300,000	782,200	782,200
BT	1400,000	781,400	781,400	1500,000	782,500	782,500	1600,000	784,500	784,500	1927,000
BT	785,100	785,100	1628,000	785,100	785,200	1695,000	787,100	785,200	1763,000	780,300
BT	786,400	1764,000	786,500	786,500	1871,000	791,500	791,500	1900,000	792,500	792,500
BT	1957,000	794,900	794,900	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	1500,000	1759,000	0,000	0,000	0,000	0,000	0,000	0,000	2,100
X1	484015,000	0,000	0,000	0,000	50,000	50,000	50,000	0,000	0,000	0,000
X2	0,000	0,000	0,000	0,000	0,000	0,000	1,000	0,000	0,000	0,000
ET	0,000	1400,000	1651,000	0,000	0,000	0,000	0,000	0,000	0,000	4,100
X1	484016,000	24,000	1634,000	1759,000	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	781,000	781,000	0,000
GR	795,000	1000,000	789,100	1100,000	785,800	1180,000	782,800	1200,000	776,000	1300,000
GR	777,200	1400,000	776,900	1500,000	774,200	1600,000	774,100	1628,000	781,000	1634,000
GR	775,100	1651,000	775,900	1674,000	774,600	1686,000	776,500	1691,000	776,900	1703,000
GR	771,800	1715,000	775,300	1719,000	776,800	1740,000	780,500	1759,000	772,900	1764,000
GR	776,600	1851,000	789,500	1871,000	789,800	1920,000	797,800	1957,000	0,000	0,000

AL	0.000	0.000	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	1377.000	1811.000	0.000	0.000	0.000	0.000	0.000	0.000	2.100
Y1	484116.000	24.000	1686.000	1719.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	793.000	1000.000	789.100	1100.000	785.800	1180.000	762.800	1203.000	778.800	1300.000
GR	777.200	1400.000	776.900	1500.000	774.200	1600.000	774.100	1620.000	781.000	1634.000
GR	775.100	1651.000	775.900	1674.000	774.600	1686.000	770.500	1691.000	770.900	1703.000
GR	771.800	1715.000	775.300	1719.000	776.800	1740.000	784.300	1759.000	772.900	1764.000
GR	776.600	1851.000	789.300	1871.000	789.800	1920.000	797.800	1957.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 26 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 GUILFORD CO. FIS  
 T2 100 TR FLOODWAY  
 T3 HAW RIVER

J1	ICHECK	IND	RINV	IOIR	STRT	METRIC	HVINS	Q	WDEL	FD
	0.	10.	0.	0.	0.000000	0.00	0.0	0.	766,200	0.000
J2	NPROF	IPL01	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	9,000	-1,000	0,000	0,000	0,000	-0,000	0,000	0,000	15,000

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

RIVER

SUMMARY PRINTOUT

SECNO	CASEL	EG	ELLC	ELMIN	FOK*S	Q
473616.000	765.50	765.53	0.00	755.30	6.83	4800.00
473616.000	766.20	766.25	0.00	755.30	7.54	4800.00
476070.000	768.22	768.51	0.00	758.00	21.82	4800.00
476070.000	769.01	769.11	0.00	758.00	20.04	4800.00
477310.000	769.62	769.87	0.00	758.90	10.42	4800.00
477310.000	770.75	770.82	0.00	758.90	13.14	4800.00
478530.000	770.89	770.91	0.00	759.80	5.56	4800.00
478530.000	771.90	771.93	0.00	759.80	5.23	4800.00
479000.000	771.19	771.22	0.00	760.70	7.89	4800.00
479000.000	772.18	772.22	0.00	760.70	7.38	4800.00
479500.000	771.65	771.69	0.00	761.70	11.18	4800.00
479500.000	772.62	772.68	0.00	761.70	11.11	4800.00
483884.000	779.56	779.73	0.00	770.50	37.31	4400.00
483884.000	780.37	780.59	0.00	770.50	35.88	4400.00
483984.000	779.72	780.76	0.00	770.50	161.27	4400.00
483984.000	780.61	781.35	0.00	770.50	97.09	4400.00
483985.000	779.73	780.91	0.00	770.50	201.98	4400.00
483985.000	780.62	781.39	0.00	770.50	124.67	4400.00
484015.000	780.73	781.47	0.00	770.50	117.99	4400.00
484015.000	781.16	781.79	0.00	770.50	95.55	4400.00
484016.000	780.85	781.51	0.00	770.50	86.22	4400.00
484016.000	781.23	781.83	0.00	770.50	70.16	4400.00
484116.000	781.80	781.85	0.00	770.50	8.97	4400.00
484116.000	782.98	782.15	0.00	770.50	10.80	4400.00

RIVER

## SUMMARY PRINTOUT

SECHD	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPKID
473616.000	765.50	1661.54	2200.00	2238.00	2820.47	1169.93
473616.000	765.20	1496.00	2200.00	2238.00	2565.00	567.00
476070.000	760.22	626.01	878.00	900.00	1098.28	431.67
476070.000	769.01	700.00	878.00	900.00	1002.00	302.00
477310.000	769.62	500.00	720.00	742.00	1014.24	514.24
477310.000	770.75	580.00	720.00	742.00	913.00	333.00
478530.000	770.89	1354.14	1700.00	1736.00	2200.00	865.86
478530.000	771.90	1470.00	1700.00	1736.00	2050.00	580.00
479000.000	771.19	1548.24	1700.00	1736.00	2200.00	855.76
479000.000	772.18	1527.00	1700.00	1736.00	2132.00	605.00
479500.000	771.65	1353.40	1700.00	1736.00	2200.00	846.60
479500.000	772.62	1531.00	1700.00	1736.00	2080.00	549.00
483884.000	779.56	1261.19	1686.00	1719.00	1859.65	554.92
483884.000	780.37	1459.60	1686.00	1719.00	179.00	318.99
483984.000	779.72	1637.69	1634.00	1759.00	1759.00	109.70
483984.000	780.61	1635.13	1634.00	1759.00	1749.64	114.51
483985.000	779.73	1637.66	1634.00	1759.00	1747.42	167.59
483985.000	780.62	1635.09	1634.00	1759.00	1749.68	112.79
484015.000	780.73	1634.76	1634.00	1759.00	1749.96	113.43
484015.000	781.16	1633.57	1634.00	1759.00	1751.00	115.89
484016.000	780.85	1634.48	1634.00	1759.00	1757.00	117.74
484016.000	781.23	1634.00	1634.00	1759.00	1759.00	117.22
484116.000	781.80	1225.09	1686.00	1719.00	1859.18	626.5
484116.000	782.04	1377.00	1686.00	1719.00	1811.00	427.1

## SUMMARY OF ERRORS

FLOODWAY DATA, RIVER  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
473616.000	369.	3623.	1.5	766.2	765.5	0.7
476070.070	302.	2165.	2.2	769.0	766.2	2.8
477310.000	333.	2563.	1.9	770.7	769.8	0.9
478530.000	580.	4177.	1.1	771.9	770.9	1.0
479000.000	605.	3798.	1.5	772.2	771.2	1.0
479500.000	549.	3206.	1.5	772.6	771.6	1.0
483884.000	333.	1630.	2.7	780.4	779.6	0.8
483964.000	115.	638.	6.9	780.6	779.7	0.9
483965.000	115.	629.	7.0	780.6	779.7	0.9
484015.000	117.	687.	6.4	781.1	780.7	0.4
484016.000	125.	710.	6.2	781.2	780.8	0.4
484116.000	434.	2729.	1.6	782.1	781.5	0.5

ACNO	CASEL	TOPWID	WLOB	VCH	QNO2	STENZL	SICHL	SICHR	STENDR
14550.000	695.86	255.01	296.02	1646.90	1554.41	0.00	500.00	535.00	0.00
14650.000	694.42	150.01	14.70	2077.63	2007.67	497.54	500.00	535.00	540.19
17460.000	699.59	260.95	0.00	3572.37	727.15	0.00	200.00	541.00	0.00
17460.000	700.47	164.72	0.00	4100.00	0.00	200.00	200.00	541.00	541.00
17540.000	699.02	260.25	746.50	2676.92	674.58	0.00	501.00	549.00	0.00
17540.000	700.69	129.39	541.93	3111.50	446.49	456.60	501.00	549.00	566.19
17580.000	701.44	303.52	906.63	2362.68	628.49	0.00	501.00	549.00	0.00
17580.000	702.37	155.07	155.75	2679.37	681.90	446.93	501.00	549.00	602.00
17600.000	701.33	306.91	492.96	1990.93	1117.01	0.00	500.00	535.00	0.00
17600.000	702.41	157.74	656.23	2276.22	965.55	442.99	500.00	535.00	601.73
17725.000	701.77	307.51	995.17	1265.63	1119.00	0.00	500.00	535.00	0.00
17725.000	702.66	157.19	656.47	2273.61	967.92	442.22	500.00	535.00	600.42
19790.000	706.46	184.67	426.95	1705.46	915.65	0.00	500.00	527.00	0.00
19790.000	707.27	107.27	224.05	1949.96	675.99	483.46	500.00	527.00	590.73
19860.000	706.76	187.96	483.00	1439.92	1125.96	0.00	500.00	521.00	0.00
19860.000	707.71	114.33	299.55	1517.36	1133.08	450.12	500.00	521.00	597.45
19920.000	710.13	21.00	0.00	3050.00	0.00	0.00	500.00	521.00	0.00
19920.000	711.08	21.00	0.00	3050.00	0.00	500.00	500.00	521.00	521.00
19940.000	712.19	246.67	626.12	967.61	1454.07	0.00	500.00	521.00	0.00
19940.000	712.65	131.67	386.68	1205.70	1456.22	475.66	500.00	521.00	605.73
19990.000	712.19	186.57	181.44	1615.60	1252.95	0.00	500.00	526.00	0.00
19990.000	712.67	100.69	0.00	1807.67	1246.33	500.00	500.00	526.00	600.69
20040.000	712.21	196.35	186.85	1619.81	1249.34	0.00	500.00	536.00	0.00
20040.000	712.99	100.22	0.00	1807.54	1242.46	500.00	500.00	536.00	600.22
20460.000	712.40	196.55	172.96	1676.91	1200.10	0.00	500.00	536.00	0.00
20460.000	713.19	112.11	0.00	1769.26	1280.76	500.00	500.00	536.00	612.11
21067.000	712.77	161.09	162.69	1756.33	1130.98	0.00	500.00	536.00	0.00
21067.000	713.66	101.43	0.00	1885.68	1164.56	500.00	500.00	536.00	601.43
22457.000	714.23	214.10	486.64	1550.72	666.64	0.00	500.00	533.00	0.00
22457.000	714.29	129.40	314.67	1760.31	625.02	478.52	500.00	533.00	595.72
23416.000	716.03	205.48	446.62	1647.76	865.68	0.00	500.00	533.00	0.00
23416.000	717.10	116.98	259.56	1893.70	746.34	474.61	500.00	533.00	595.59
24395.000	716.43	205.31	431.47	1607.64	780.89	0.00	500.00	533.00	0.00
24395.000	717.34	124.74	237.41	1951.66	710.93	476.33	500.00	533.00	591.66
24650.000	719.11	205.06	436.61	1664.96	774.49	0.00	500.00	533.00	0.00
24650.000	720.01	114.62	236.75	1954.22	709.63	476.26	500.00	533.00	590.98
27160.000	723.56	193.69	266.56	1444.87	816.55	0.00	500.00	526.00	0.00
27160.000	724.49	96.60	72.76	1670.40	816.62	491.53	500.00	526.00	590.14

L 528  
L 453  
R 595

L 511  
L 490  
R 553

SECNO	ENDEL	YUPRI0	BL00	WH	HR00	GTENCL	SICHL	SICRK	SICRCH
20650.000	727.96	436.67	1327.66	716.32	551.62	0.00	300.00	522.00	0.00
20650.000	730.00	226.71	1481.06	880.89	237.65	320.05	300.00	522.00	345.77
31770.000	735.35	481.55	1109.02	542.20	440.78	0.00	300.00	522.00	0.00
31770.000	738.30	250.85	1257.16	675.93	106.91	515.75	300.00	522.00	340.00
31800.000	757.47	35.00	0.00	2100.00	0.00	0.00	300.00	535.00	0.00
31800.000	738.45	35.00	0.00	2100.00	0.00	300.00	300.00	535.00	535.00
31832.000	757.71	35.00	0.00	2100.00	0.00	0.00	300.00	535.00	0.00
31832.000	738.51	35.00	0.00	2100.00	0.00	0.00	300.00	535.00	0.00
31860.000	755.65	486.65	1184.36	538.35	376.68	0.00	300.00	535.00	0.00
31860.000	740.06	150.00	914.09	1662.36	123.55	400.00	300.00	535.00	550.00
31920.000	774.35	175.71	414.40	1000.00	365.54	0.00	300.00	532.00	0.00
31920.000	770.00	81.15	279.30	1000.00	226.20	470.10	300.00	532.00	551.23
31970.000	739.66	170.02	600.20	1332.65	360.85	0.00	300.00	532.00	0.00
31970.000	740.15	79.75	273.09	1601.22	224.79	470.10	300.00	532.00	550.51
32850.000	742.45	193.99	226.91	1290.80	376.22	0.00	300.00	531.00	0.00
32850.000	743.30	77.75	5.68	1004.05	490.47	400.32	300.00	531.00	576.25

SUMMARY OF ERRORS



FLOODWAY DATA, K NATURAL  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
200.000	85.	1241.	5.0	673.5	673.5	1.0
3835.000	144.	1990.	3.5	677.2	679.2	1.0
3885.000	121.	1868.	3.7	680.4	679.4	1.0
3915.000	128.	1905.	3.5	680.8	679.8	1.0
3925.000	172.	2215.	3.2	680.8	679.8	1.0
4000.000	169.	2168.	3.2	680.9	679.9	1.0
6440.000	128.	1708.	2.0	683.5	682.5	1.0
11440.000	214.	1855.	2.4	684.4	688.4	1.0
11490.000	204.	1669.	2.4	684.4	688.4	1.0
11510.000	205.	2209.	2.0	680.2	689.2	1.0
11530.000	223.	2175.	2.1	690.2	689.2	1.0
11560.000	153.	1612.	2.0	690.2	689.2	1.0
11620.000	153.	1602.	2.0	690.5	689.5	1.0
14650.000	151.	1499.	2.7	695.5	693.6	0.9
17480.000	165.	997.	2.5	700.5	699.6	0.9
17540.000	129.	955.	2.3	700.7	699.8	0.9
17580.000	155.	1344.	3.0	702.4	701.5	0.9
17600.000	158.	1325.	3.1	702.4	701.5	0.9
17725.000	157.	1550.	3.1	702.7	701.8	0.9
19790.000	107.	822.	3.7	707.4	706.5	0.9
19860.000	114.	897.	2.4	707.7	706.7	0.9
19970.000	21.	561.	9.0	711.0	710.1	0.9
19990.000	152.	1584.	1.8	712.9	712.2	0.7
19590.000	101.	1259.	2.2	712.9	712.2	0.7
20040.000	100.	1345.	2.3	712.9	712.2	0.7
20450.000	112.	1588.	2.2	713.2	712.4	0.8
21067.000	101.	1155.	2.0	713.7	712.8	0.9
22457.000	129.	1696.	2.7	715.3	714.2	1.1
23816.000	119.	909.	3.2	717.0	716.0	1.0
24395.000	119.	842.	3.4	719.5	718.4	0.9
24650.000	115.	858.	3.5	720.0	719.1	0.9
27160.000	99.	775.	3.4	726.5	725.6	0.9
28550.000	227.	1084.	2.4	730.9	730.0	0.9
31770.000	231.	1198.	1.6	738.5	737.5	1.0
31895.000	35.	252.	8.2	738.5	737.5	1.0
31932.000	35.	266.	1.9	738.7	737.7	1.0
31880.000	159.	1072.	2.0	740.0	739.0	0.4
31920.000	61.	542.	3.9	740.0	739.5	0.5
31970.000	85.	531.	4.0	740.2	739.7	0.5
32450.000	76.	496.	4.2	743.5	742.4	0.9

29650

31560

1072 150 2.0