

SANDY

RUN

THIS RUN EXECUTED 12 MAR 85 9:12:18

\*\*\*\*\*  
 REC2 RELEASE DATED NOV 74 UPDATED MAY 1984  
 ERROR CORRS - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55  
 \*\*\*\*\*

MORGANTON NC FIS MRP NEF= NON EFFECTIVE FLOW  
 T1 FPHS OR FIS MORGANTON NC  
 T2 100 YR NATURAL  
 T3 SANDY RUN

| J1 | ICHECK                              | INQ    | MINV   | IDIR   | STAT    | METRIC | HVINS  | Q       | WSEL     | FQ     |
|----|-------------------------------------|--------|--------|--------|---------|--------|--------|---------|----------|--------|
|    | 0.                                  | 4.     | 0.     | 0.     | 0.00000 | 0.00   | 0.0    | 0.      | 1036.600 | 0.000  |
| J2 | NPROF                               | IPL0T  | PREVS  | XGECV  | XSECH   | FN     | ALLDC  | IBW     | CHNIM    | ITRACE |
|    | 1.000                               | 0.000  | 1.000  | 0.000  | 0.000   | 0.000  | 0.000  | 0.000   | 0.000    | 15.000 |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT |        |        |        |         |        |        |         |          |        |
|    | 38.000                              | 1.000  | 3.000  | 42.000 | 41.000  | 5.000  | 43.000 | 0.000   | 38.000   | 1.000  |
|    | 53.000                              | 21.000 | 22.000 | 54.000 | 4.000   | 5.000  | 0.000  | 200.000 | 0.000    | 0.000  |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NC | 0.120    | 0.120    | 0.060    | 1.200    | 0.400    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| QT | 6.000    | 650.000  | 1400.000 | 1775.000 | 2765.000 | 1775.000 | 1775.000 | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 1.000    | 12.000   | 1131.000 | 1151.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| GR | 1050.000 | 1000.000 | 1037.000 | 1061.000 | 1035.000 | 1120.000 | 1030.500 | 1131.000 | 1025.000 | 1134.000 |
| GR | 1025.500 | 1140.000 | 1026.000 | 1147.000 | 1030.500 | 1151.000 | 1035.000 | 1161.000 | 1040.000 | 1185.000 |
| GR | 1045.000 | 1212.000 | 1050.000 | 1226.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 2.000    | 0.000    | 0.000    | 0.000    | 2.000    | 2.000    | 2.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 5.000    | 0.000    | 0.000    | 0.000    | 3.000    | 3.000    | 3.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 15.000   | 0.000    | 0.000    | 0.000    | 10.000   | 10.000   | 10.000   | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 40.000   | 0.000    | 0.000    | 0.000    | 30.000   | 30.000   | 30.000   | 0.000    | 0.100    | 0.000    |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 115.000  | 0.000    | 0.000    | 0.000    | 75.000   | 75.000   | 75.000   | 0.000    | 0.300    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1132.000 | 1154.000 |
| X1 | 165.000  | 0.000    | 1132.000 | 1154.000 | 50.000   | 50.000   | 50.000   | 0.000    | 0.000    | 0.000    |
| GR | 1050.000 | 0.000    | 1243.500 | 1110.000 | 1031.500 | 1132.000 | 1026.100 | 1039.000 | 1026.100 | 1154.000 |
| GR | 1031.500 | 1154.000 | 1040.000 | 1212.000 | 1043.400 | 1210.000 | 1050.000 | 1233.000 | 0.000    | 0.000    |
| SB | 1.250    | 1.700    | 2.500    | 0.000    | 22.000   | 0.500    | 198.000  | 0.000    | 1026.400 | 1026.050 |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1132.000 | 1154.000 |
| X1 | 265.000  | 0.000    | 1132.000 | 1154.000 | 107.000  | 107.000  | 100.000  | 0.000    | 0.000    | 0.000    |
| GR | 100.000  | 0.000    | 1035.400 | 1041.600 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| GR | 10.000   | 0.000    | 1050.000 | 1110.000 | 1042.500 | 1042.500 | 1042.500 | 1041.600 | 1041.600 | 1031.500 |
| GR | 0.000    | 1132.000 | 1041.600 | 1035.400 | 1154.000 | 1041.600 | 1035.400 | 1154.000 | 1041.600 | 1031.500 |
| GR | 1050.000 | 1203.000 | 1043.000 | 1040.000 | 1031.500 | 1043.000 | 1043.300 | 1233.000 | 1026.400 | 1050.000 |
| GR | 1031.500 | 1154.000 | 1040.000 | 1212.000 | 1043.400 | 1210.000 | 1050.000 | 1233.000 | 0.000    | 0.000    |
| NC | 0.100    | 0.120    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 1140.000 | 1190.000 |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1140.000 | 1190.000 |
| X1 | 300.000  | 16.000   | 1163.000 | 1186.000 | 35.000   | 35.000   | 35.000   | 0.000    | 0.000    | 0.000    |
| GR | 1006.000 | 1000.000 | 1063.000 | 1086.000 | 1042.100 | 1100.000 | 1041.300 | 1122.000 | 1033.200 | 1158.000 |
| GR | 1031.400 | 1163.000 | 1027.000 | 1166.000 | 1026.700 | 1176.000 | 1027.100 | 1178.000 | 1033.500 | 1186.000 |
| GR | 1033.500 | 1120.000 | 1039.400 | 1203.000 | 1040.000 | 1227.000 | 1045.000 | 1256.000 | 1050.000 | 1270.000 |
| GR | 1055.000 | 1180.000 | 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    | 9.110    | 0.000    | 0.000    | 1320.000 | 1420.000 |
| X1 | 800.000  | 14.000   | 1346.000 | 1366.000 | 49.000   | 51.500   | 50.000   | 0.000    | 0.000    | 0.000    |
| GR | 1050.000 | 1143.000 | 1043.000 | 1188.000 | 1042.600 | 1285.000 | 1039.500 | 1300.000 | 1034.000 | 1311.000 |
| GR | 1033.300 | 1348.000 | 1027.600 | 1352.000 | 1028.300 | 1357.000 | 1029.600 | 1362.000 | 1034.100 | 1366.000 |
| GR | 1033.400 | 1432.000 | 1035.300 | 1433.300 | 1050.400 | 1485.000 | 1055.200 | 1510.000 | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1160.000 | 1285.000 |
| X1 | 2000.000 | 13.000   | 1227.000 | 1246.000 | 1196.000 | 1189.000 | 1200.000 | 0.000    | 0.000    | 0.000    |
| GR | 1055.000 | 1000.000 | 1050.000 | 1030.000 | 1045.000 | 1082.000 | 1040.000 | 1130.000 | 1039.500 | 1227.000 |
| GR | 1033.800 | 1230.000 | 1033.700 | 1035.000 | 1034.000 | 1240.000 | 1039.500 | 1246.000 | 1049.000 | 1325.000 |
| GR | 1045.000 | 1371.000 | 1050.000 | 1380.000 | 1055.000 | 1408.000 | 0.000    | 0.000    | 0.000    | 0.000    |
| NC | 0.120    | 0.200    | 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    | 9.110    | 0.000    | 0.000    | 1230.000 | 1360.000 |
| X1 | 3170.000 | 15.000   | 1300.000 | 1324.000 | 1110.000 | 1165.000 | 1170.000 | 0.000    | 0.000    | 0.000    |
| GR | 1060.000 | 1040.000 | 1055.000 | 1030.000 | 1050.000 | 1125.000 | 1045.000 | 1160.000 | 1044.200 | 1200.000 |
| GR | 1044.700 | 1330.000 | 1039.000 | 1307.000 | 1030.000 | 1313.000 | 1039.300 | 1324.000 | 1044.900 | 1324.000 |
| GR | 1044.500 | 1400.000 | 1045.000 | 1485.000 | 1050.000 | 1530.000 | 1055.000 | 1555.000 | 1060.000 | 1590.000 |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ET | 0.000    | 0.000    | 0.200    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1140.000 | 1204.000 |
| X1 | 4520.000 | 11.000   | 1176.000 | 1231.000 | 1320.000 | 1320.000 | 1350.000 | 0.000    | 0.000    | 0.000    |
| GR | 1071.000 | 1000.000 | 1058.000 | 1058.000 | 1055.000 | 1094.000 | 1055.000 | 1115.000 | 1053.100 | 1176.000 |
| GR | 1049.000 | 1192.000 | 1049.000 | 1192.000 | 1049.000 | 1195.000 | 1054.200 | 1201.000 | 1054.700 | 1204.000 |
| GR | 1071.000 | 1248.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| NC | 0.120    | 0.130    | 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    | 9.110    | 0.000    | 0.000    | 1080.000 | 1160.000 |
| X1 | 5530.000 | 11.000   | 1090.000 | 1115.000 | 970.000  | 945.000  | 980.000  | 0.000    | 0.000    | 0.000    |
| GR | 1075.000 | 1000.000 | 1070.000 | 1022.000 | 1065.000 | 1042.000 | 1060.000 | 1073.000 | 1059.500 | 1090.000 |
| GR | 1055.000 | 1005.000 | 1055.000 | 1122.000 | 1055.000 | 1123.000 | 1059.500 | 1115.000 | 1065.000 | 1250.000 |
| GR | 1075.000 | 1510.000 | 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    | 9.110    | 0.000    | 0.000    | 1197.000 | 1277.000 |
| X1 | 6400.000 | 13.000   | 1200.000 | 1250.000 | 915.000  | 875.000  | 900.000  | 0.000    | 0.000    | 0.000    |
| GR | 1084.000 | 1000.000 | 1070.000 | 1050.000 | 1075.000 | 1100.000 | 1067.000 | 1172.000 | 1066.900 | 1200.000 |
| GR | 1066.000 | 1225.000 | 1066.000 | 1230.000 | 1060.000 | 1238.000 | 1060.000 | 1243.000 | 1066.300 | 1250.000 |
| GR | 1066.000 | 1300.000 | 1070.000 | 1330.000 | 1082.000 | 1377.000 | 0.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1270.000 | 1340.000 |
| X1 | 6830.000 | 14.000   | 1200.000 | 1327.000 | 420.000  | 370.000  | 400.000  | 0.000    | 0.000    | 0.000    |
| GR | 1085.000 | 1000.000 | 1080.000 | 1099.000 | 1075.000 | 1071.000 | 1072.000 | 1165.000 | 1070.000 | 1292.000 |
| GR | 1069.000 | 1298.000 | 1064.000 | 1303.000 | 1067.000 | 1315.000 | 1064.100 | 1321.000 | 1069.200 | 1327.000 |
| GR | 1070.000 | 1365.000 | 1075.000 | 1399.000 | 1080.000 | 1400.000 | 1085.000 | 1414.000 | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1100.000 | 1180.000 |
| X1 | 7200.000 | 12.000   | 1127.000 | 1153.000 | 350.000  | 400.000  | 400.000  | 0.000    | 0.000    | 0.000    |
| GR | 1085.000 | 1000.000 | 1070.000 | 1055.000 | 1075.000 | 1113.000 | 1075.000 | 1127.000 | 1070.600 | 1132.000 |
| GR | 1070.000 | 1140.000 | 1070.000 | 1147.000 | 1075.000 | 1103.000 | 1075.000 | 1170.000 | 1080.000 | 1247.000 |
| GR | 1085.000 | 1200.000 | 1090.000 | 1537.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1104.000 | 1179.000 |
| X1 | 7500.000 | 13.000   | 1120.000 | 1151.000 | 260.000  | 325.000  | 300.000  | 0.000    | 0.000    | 0.000    |
| GR | 1090.000 | 1000.000 | 1090.000 | 1080.000 | 1085.000 | 1056.000 | 1080.000 | 1114.000 | 1082.300 | 1120.000 |
| GR | 1077.000 | 1133.000 | 1077.000 | 1140.000 | 1077.000 | 1146.000 | 1082.300 | 1151.000 | 1080.000 | 1167.000 |
| GR | 1085.000 | 1107.000 | 1090.000 | 1208.000 | 1095.000 | 1220.000 | 0.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1041.000 | 1187.000 |
| X1 | 7750.000 | 9.000    | 1050.000 | 1080.000 | 220.000  | 250.000  | 250.000  | 0.000    | 0.000    | 0.000    |
| GR | 1095.000 | 1000.000 | 1090.000 | 1045.000 | 1080.000 | 1050.000 | 1086.000 | 1057.000 | 1085.000 | 1264.000 |
| GR | 1095.000 | 1072.000 | 1060.000 | 1200.000 | 1090.000 | 1084.000 | 1095.000 | 1096.000 | 0.000    | 0.000    |





THIS RUN EXECUTED 12 MAR 85 9:12:16

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR = 01, 02, 03, 04, 25, 46  
 MODIFICATION = 1, 50, 51, 52, 53, 54, 55  
 \*\*\*\*\*

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

SANDY RUN  
SUMMARY PRINTOUT

| SECNO    | CWSEL   | EG      | FLMIN   | ELLG    | 10K+S | Q       |
|----------|---------|---------|---------|---------|-------|---------|
| 1.000    | 1036.60 | 1037.43 | 1025.50 | 0.00    | 60.38 | 1775.00 |
| 1.000    | 1037.50 | 1038.01 | 1025.50 | 0.00    | 47.28 | 1775.00 |
| 2.000    | 1036.62 | 1037.45 | 1025.50 | 0.00    | 60.05 | 1775.00 |
| 2.000    | 1037.31 | 1038.02 | 1025.50 | 0.00    | 47.11 | 1775.00 |
| 5.000    | 1036.64 | 1037.47 | 1025.50 | 0.00    | 59.45 | 1775.00 |
| 5.000    | 1037.33 | 1038.04 | 1025.50 | 0.00    | 46.82 | 1775.00 |
| 15.000   | 1036.74 | 1037.53 | 1025.50 | 0.00    | 56.74 | 1775.00 |
| 15.000   | 1037.35 | 1038.06 | 1025.50 | 0.00    | 45.85 | 1775.00 |
| 40.000   | 1036.94 | 1037.73 | 1025.60 | 0.00    | 54.19 | 1775.00 |
| 40.000   | 1037.54 | 1038.22 | 1025.60 | 0.00    | 45.08 | 1775.00 |
| 115.000  | 1037.39 | 1038.12 | 1025.90 | 0.00    | 50.84 | 1775.00 |
| 115.000  | 1037.28 | 1038.56 | 1025.90 | 0.00    | 44.28 | 1775.00 |
| 165.000  | 1037.62 | 1038.38 | 1026.10 | 0.00    | 52.40 | 1775.00 |
| 165.000  | 1038.15 | 1038.84 | 1026.10 | 0.00    | 71.00 | 1775.00 |
| 265.000  | 1039.11 | 1039.74 | 1026.40 | 1035.40 | 36.76 | 1775.00 |
| 265.000  | 1039.70 | 1040.27 | 1026.40 | 1035.40 | 42.83 | 1775.00 |
| 300.000  | 1039.48 | 1039.89 | 1026.70 | 0.00    | 26.39 | 1775.00 |
| 300.000  | 1040.00 | 1040.41 | 1026.70 | 0.00    | 24.11 | 1775.00 |
| 800.000  | 1040.64 | 1040.72 | 1028.30 | 0.00    | 10.01 | 1775.00 |
| 800.000  | 1041.20 | 1041.32 | 1028.30 | 0.00    | 12.64 | 1775.00 |
| 2000.000 | 1042.72 | 1042.93 | 1033.70 | 0.00    | 41.55 | 1775.00 |
| 2000.000 | 1043.61 | 1043.83 | 1033.70 | 0.00    | 40.99 | 1775.00 |

SANDY RUN

SUMMARY PRINTOUT

| SECNO    | CWSEL   | SSTA    | STCHL   | STCHR   | ENDST   | TOPWID | 10K*5  |
|----------|---------|---------|---------|---------|---------|--------|--------|
| 1.000    | 1036.60 | 1072.80 | 1131.00 | 1151.00 | 1168.68 | 95.88  | 60.38  |
| 1.000    | 1037.30 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 47.28  |
| 2.000    | 1036.62 | 1072.44 | 1131.00 | 1151.00 | 1168.74 | 96.29  | 60.05  |
| 2.000    | 1037.31 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 47.11  |
| 5.000    | 1036.64 | 1071.78 | 1131.00 | 1151.00 | 1168.85 | 97.07  | 59.45  |
| 5.000    | 1037.33 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 46.82  |
| 15.000   | 1036.74 | 1068.72 | 1131.00 | 1151.00 | 1169.34 | 100.63 | 56.74  |
| 15.000   | 1037.39 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 45.85  |
| 40.000   | 1036.94 | 1065.78 | 1131.00 | 1151.00 | 1169.33 | 104.13 | 54.19  |
| 40.000   | 1037.54 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 45.08  |
| 115.000  | 1037.30 | 1061.53 | 1131.00 | 1151.00 | 1170.51 | 108.99 | 50.84  |
| 115.000  | 1037.80 | 1115.00 | 1131.00 | 1151.00 | 1165.00 | 50.00  | 44.28  |
| 165.000  | 1037.63 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  | 52.40  |
| 165.000  | 1038.15 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  | 71.00  |
| 265.000  | 1039.11 | 1132.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  | 36.76  |
| 265.000  | 1039.70 | 1132.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  | 42.83  |
| 300.000  | 1039.48 | 1130.07 | 1163.00 | 1186.00 | 1206.36 | 76.29  | 26.39  |
| 300.000  | 1040.00 | 1140.00 | 1163.00 | 1186.00 | 1190.00 | 50.00  | 24.11  |
| 600.000  | 1040.64 | 1294.40 | 1340.00 | 1366.00 | 1451.39 | 156.90 | 10.01  |
| 600.000  | 1041.20 | 1320.00 | 1340.00 | 1366.00 | 1420.00 | 100.00 | 12.64  |
| 2000.000 | 1042.72 | 1103.05 | 1227.00 | 1246.00 | 1350.06 | 246.20 | 41.55  |
| 2000.000 | 1043.61 | 1160.00 | 1227.00 | 1246.00 | 1285.00 | 125.00 | 40.89  |
| 3170.000 | 1046.71 | 1140.05 | 1300.00 | 1324.00 | 1500.36 | 352.31 | 26.49  |
| 3170.000 | 1047.74 | 1230.00 | 1300.00 | 1324.00 | 1360.00 | 130.00 | 29.46  |
| 4520.000 | 1054.95 | 1134.25 | 1175.00 | 1201.00 | 1204.67 | 70.42  | 268.15 |
| 4520.000 | 1055.32 | 1140.00 | 1176.00 | 1201.00 | 1204.00 | 64.00  | 196.58 |
| 5500.000 | 1063.56 | 1050.00 | 1090.00 | 1115.00 | 1214.68 | 163.76 | 32.39  |
| 5500.000 | 1063.62 | 1080.00 | 1090.00 | 1115.00 | 1160.00 | 80.00  | 38.11  |
| 6400.000 | 1068.28 | 1162.12 | 1200.00 | 1250.00 | 1301.11 | 138.98 | 108.97 |
| 6400.000 | 1068.56 | 1192.00 | 1200.00 | 1250.00 | 1277.00 | 80.00  | 90.53  |
| 6800.000 | 1071.64 | 1188.14 | 1290.00 | 1327.00 | 1372.52 | 184.39 | 65.93  |
| 6800.000 | 1071.75 | 1270.00 | 1290.00 | 1327.00 | 1340.00 | 70.00  | 74.90  |



12 MAR 85

9:12:16

PAGE 29

| SECNO      | CWSEL   | EG      | ELMIN   | ELLC | 10K*S  | Q       |
|------------|---------|---------|---------|------|--------|---------|
| 3170.000   | 1046.71 | 1046.83 | 1039.00 | 0.00 | 26.49  | 1340.00 |
| 3170.000   | 1047.74 | 1047.95 | 1039.00 | 0.00 | 29.46  | 1340.00 |
| * 4520.000 | 1054.95 | 1056.60 | 1049.20 | 0.00 | 268.15 | 1340.00 |
| 4520.000   | 1055.32 | 1056.61 | 1049.20 | 0.00 | 196.58 | 1340.00 |
| 5500.000   | 1063.56 | 1063.83 | 1055.00 | 0.00 | 33.39  | 1340.00 |
| 5500.000   | 1063.62 | 1063.97 | 1055.00 | 0.00 | 33.11  | 1340.00 |
| 6400.000   | 1068.28 | 1068.80 | 1060.60 | 0.00 | 108.97 | 1340.00 |
| 6400.000   | 1068.56 | 1069.06 | 1060.60 | 0.00 | 90.53  | 1340.00 |
| 6800.000   | 1071.64 | 1072.13 | 1064.00 | 0.00 | 65.93  | 1340.00 |
| 6800.000   | 1071.75 | 1072.39 | 1064.00 | 0.00 | 74.90  | 1340.00 |
| * 7200.000 | 1076.08 | 1077.41 | 1072.00 | 0.00 | 216.98 | 1340.00 |
| 7200.000   | 1076.06 | 1077.43 | 1070.00 | 0.00 | 210.97 | 1340.00 |
| 7500.000   | 1083.10 | 1084.30 | 1077.00 | 0.00 | 241.95 | 1340.00 |
| 7500.000   | 1083.12 | 1084.29 | 1077.00 | 0.00 | 235.74 | 1340.00 |
| * 7750.000 | 1090.50 | 1092.41 | 1085.00 | 0.00 | 326.53 | 1340.00 |
| * 7750.000 | 1090.59 | 1092.41 | 1085.00 | 0.00 | 326.52 | 1340.00 |
| * 7960.000 | 1103.92 | 1106.13 | 1097.50 | 0.00 | 331.08 | 1320.00 |
| * 7960.000 | 1103.92 | 1106.13 | 1097.50 | 0.00 | 331.21 | 1320.00 |
| 8700.000   | 1113.65 | 1114.07 | 1104.50 | 0.00 | 49.06  | 1320.00 |
| 8700.000   | 1114.04 | 1114.59 | 1104.50 | 0.00 | 54.09  | 1320.00 |
| 9500.000   | 1119.77 | 1121.24 | 1112.50 | 0.00 | 179.25 | 1320.00 |
| 9500.000   | 1120.18 | 1121.40 | 1112.50 | 0.00 | 138.49 | 1320.00 |
| 10200.000  | 1129.87 | 1130.86 | 1122.00 | 0.00 | 107.79 | 1320.00 |
| 10200.000  | 1129.53 | 1130.71 | 1122.00 | 0.00 | 128.42 | 1320.00 |
| 10850.000  | 1138.25 | 1139.12 | 1132.00 | 0.00 | 161.54 | 1320.00 |
| 10850.000  | 1138.53 | 1139.59 | 1132.00 | 0.00 | 159.87 | 1320.00 |
| 11700.000  | 1146.40 | 1146.75 | 1138.10 | 0.00 | 54.97  | 1320.00 |
| 11700.000  | 1147.21 | 1147.54 | 1138.10 | 0.00 | 62.29  | 1320.00 |
| 12470.000  | 1153.39 | 1154.17 | 1147.10 | 0.00 | 204.10 | 1295.00 |
| 12470.000  | 1154.24 | 1155.23 | 1147.10 | 0.00 | 177.68 | 1295.00 |
| 12720.000  | 1156.77 | 1157.00 | 1149.70 | 0.00 | 74.33  | 1295.00 |
| 12720.000  | 1157.69 | 1158.22 | 1149.70 | 0.00 | 84.08  | 1295.00 |

| SECNO      | CWSEL   | SSTA    | STOHL   | STCHR   | ENDST   | TOPWID | 10K*S  |
|------------|---------|---------|---------|---------|---------|--------|--------|
| 7200.000   | 1076.08 | 1091.87 | 1127.00 | 1151.00 | 1192.95 | 101.08 | 216.08 |
| 7200.000   | 1076.08 | 1100.00 | 1127.00 | 1153.00 | 1180.00 | 80.00  | 219.97 |
| 7500.000   | 1083.12 | 1103.58 | 1129.00 | 1151.00 | 1179.40 | 75.79  | 241.95 |
| 7500.000   | 1083.12 | 1104.00 | 1129.00 | 1151.00 | 1179.00 | 75.00  | 235.74 |
| * 7750.000 | 1090.59 | 1041.70 | 1050.00 | 1080.00 | 1085.42 | 43.73  | 326.53 |
| * 7750.000 | 1090.59 | 1041.70 | 1050.00 | 1080.00 | 1085.42 | 43.73  | 326.52 |
| * 7960.000 | 1103.92 | 1033.83 | 1041.00 | 1061.00 | 1066.06 | 32.23  | 331.98 |
| * 7960.000 | 1103.92 | 1034.00 | 1041.00 | 1061.00 | 1066.00 | 32.00  | 331.21 |
| 8700.000   | 1113.65 | 1034.32 | 1075.00 | 1095.00 | 1138.29 | 103.90 | 49.06  |
| 8700.000   | 1114.04 | 1060.00 | 1075.00 | 1095.00 | 1110.00 | 50.00  | 54.09  |
| 9500.000   | 1119.77 | 1060.30 | 1064.00 | 1086.00 | 1104.50 | 44.20  | 179.25 |
| 9500.000   | 1120.18 | 1061.00 | 1064.00 | 1086.00 | 1104.00 | 43.00  | 138.49 |
| 10200.000  | 1120.87 | 1017.40 | 1029.00 | 1052.00 | 1073.97 | 56.57  | 107.79 |
| 10200.000  | 1120.58 | 1018.07 | 1029.00 | 1052.00 | 1071.77 | 53.50  | 128.42 |
| 10850.000  | 1130.25 | 1030.79 | 1085.00 | 1105.00 | 1113.26 | 73.47  | 161.54 |
| 10850.000  | 1130.58 | 1060.00 | 1085.00 | 1105.00 | 1110.00 | 50.00  | 150.87 |
| 11700.000  | 1146.40 | 1032.11 | 1130.00 | 1149.00 | 1222.52 | 190.41 | 54.97  |
| 11700.000  | 1147.01 | 1090.00 | 1130.00 | 1149.00 | 1155.00 | 65.00  | 62.29  |
| 12470.000  | 1153.39 | 1163.17 | 1283.00 | 1300.00 | 1352.85 | 189.68 | 204.10 |
| 12470.000  | 1154.24 | 1240.00 | 1283.00 | 1300.00 | 1310.00 | 70.00  | 177.68 |
| 12720.000  | 1156.77 | 1041.11 | 1160.00 | 1185.00 | 1227.92 | 186.81 | 74.33  |
| 12720.000  | 1157.69 | 1120.00 | 1160.00 | 1185.00 | 1195.00 | 75.00  | 84.08  |

FLOODWAY DATA SANDY RUN  
PROFILE NO. 2

| STATION | WIDTH | FLOODWAY SECTION AREA | MEAN VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|---------|-------|-----------------------|---------------|---------------------------------------|--|------------|
| 1.000   | 50    | 328                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 329                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 330                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 331                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 332                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 333                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 334                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 335                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 336                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 337                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 338                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 339                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 340                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 341                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 342                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 343                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 344                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 345                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 346                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 347                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 348                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 349                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 350                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 351                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 352                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 353                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 354                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 355                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 356                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 357                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 358                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 359                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 360                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 361                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 362                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 363                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 364                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 365                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 366                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 367                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 368                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 369                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 370                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 371                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 372                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 373                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 374                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 375                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 376                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 377                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 378                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 379                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 380                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 381                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 382                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 383                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 384                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 385                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 386                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 387                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 388                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 389                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 390                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 391                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 392                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 393                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 394                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 395                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 396                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 397                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 398                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 399                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |
| 1.000   | 50    | 400                   | 5.4           | 1037.3                                | 1036.6                                   | 0.7        |

PROF. 203 L.H.G.M.R.D.



THIS RUN EXECUTED 12 MAR 85 13:16:02

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 31, 32, 33, 34, 35, 36  
 MODIFICATION - 50, 51, 52, 53, 54, 55  
 \*\*\*\*\*

C MORGANTON NC FTS MRP NEF= NON-EFFECTIVE FLOW  
 T1 FPM5 BR FTS MORGANTON NC  
 T2 10 YR NATURAL  
 T3 SANDY RUC

| J1 | ICHECK                              | INQ    | NINV   | IDIR   | STRT     | METRIC | HVINS   | Q       | WSEL     | FQ     |
|----|-------------------------------------|--------|--------|--------|----------|--------|---------|---------|----------|--------|
|    | 0.                                  | 2.     | 3.     | 2.     | 0.000000 | 0.00   | 0.0     | 0.      | 1033.500 | 0.000  |
| J2 | NROR                                | TPLOT  | PREVS  | XSECV  | XSECH    | FN     | ALLDC   | IBW     | CHNIM    | ITRACE |
|    | 1.000                               | 0.000  | -1.000 | 0.000  | 0.000    | 0.000  | 0.000   | 0.000   | 0.000    | 0.000  |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT |        |        |        |          |        |         |         |          |        |
|    | 38.000                              | 1.000  | 3.000  | 42.000 | 41.000   | 49.000 | 4.000   | 5.000   | 0.000    | 38.000 |
|    | 1.000                               | 13.000 | 14.000 | 15.000 | 55.000   | 26.000 | 56.000  | 0.000   | 38.000   | 1.000  |
|    | 53.000                              | 21.000 | 22.000 | 54.000 | 4.000    | 0.000  | 150.000 | 201.000 | 0.000    | 0.000  |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NC | 0.120    | 0.120    | 0.060    | 0.200    | 0.400    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| QT | 6.000    | 850.000  | 1480.000 | 1775.000 | 2765.000 | 1775.000 | 1775.000 | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| A1 | 1.000    | 12.000   | 1131.000 | 1151.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| GR | 1050.000 | 1000.000 | 1037.000 | 1061.000 | 1035.000 | 1120.000 | 1030.500 | 1134.000 | 1025.900 | 1134.000 |
| GR | 1025.500 | 1140.000 | 1026.000 | 1147.000 | 1030.500 | 1151.000 | 1035.000 | 1161.000 | 1040.000 | 1185.000 |
| GR | 1045.000 | 1212.000 | 1050.000 | 1236.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 2.000    | 0.000    | 0.000    | 0.000    | 2.000    | 2.000    | 2.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 5.000    | 0.000    | 0.000    | 0.000    | 3.000    | 3.000    | 3.000    | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 15.000   | 0.000    | 0.000    | 0.000    | 10.000   | 10.000   | 10.000   | 0.000    | 0.000    | 0.000    |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 40.000   | 0.000    | 0.000    | 0.000    | 25.000   | 25.000   | 25.000   | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1115.000 | 1165.000 |
| X1 | 115.000  | 0.000    | 0.000    | 0.000    | 75.000   | 75.000   | 75.000   | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1132.000 | 1154.000 |
| X1 | 165.000  | 0.000    | 1132.000 | 1154.000 | 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    | 1038.000 | 1038.000 | 0.000    |
| GR | 1031.500 | 1154.000 | 1040.000 | 1202.000 | 1043.400 | 1210.000 | 1050.000 | 1233.000 | 1026.100 | 1154.000 |
| SB | 1.250    | 1.700    | 2.500    | 0.000    | 22.000   | 0.500    | 198.000  | 0.000    | 1026.400 | 1026.050 |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1132.000 | 1154.000 |
| X1 | 265.000  | 9.000    | 1132.000 | 1154.000 | 100.000  | 100.000  | 100.000  | 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    | 1041.600 | 1041.600 | 0.000    |
| BT | -0.000   | 933.000  | 1050.000 | 1050.000 | 1110.000 | 1042.500 | 1042.500 | 1132.000 | 1041.600 | 1031.500 |
| BT | 0.000    | 1132.000 | 1041.600 | 1035.400 | 1154.000 | 1041.600 | 1035.400 | 1154.000 | 1041.600 | 1031.500 |
| BT | 0.000    | 1202.000 | 1043.000 | 1210.000 | 1043.000 | 1043.000 | 1043.000 | 1233.000 | 1050.000 | 1050.000 |
| GR | 1050.000 | 933.000  | 1042.500 | 1110.000 | 1031.500 | 1132.000 | 1026.400 | 1132.000 | 1026.400 | 1154.000 |
| GR | 1031.500 | 1154.000 | 1040.000 | 1202.000 | 1043.400 | 1210.000 | 1050.000 | 1233.000 | 0.000    | 0.000    |
| ET | 0.100    | 0.120    | 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    | 9.110    | 0.000    | 0.000    | 1140.000 | 1190.000 |
| X1 | 500.000  | 16.000   | 1163.000 | 1166.000 | 35.000   | 35.000   | 35.000   | 0.000    | 0.000    | 0.000    |
| GR | 1066.000 | 1030.000 | 1043.000 | 1007.000 | 1042.100 | 1100.000 | 1041.300 | 1122.000 | 1033.200 | 1150.000 |
| GR | 1031.400 | 1163.000 | 1027.000 | 1166.000 | 1026.700 | 1175.000 | 1027.100 | 1178.000 | 1033.500 | 1186.000 |
| GR | 1033.500 | 1190.000 | 1039.400 | 1203.000 | 1040.000 | 1227.000 | 1045.000 | 1256.000 | 1050.000 | 1270.000 |
| GR | 1055.000 | 1300.000 | 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    | 9.110    | 0.000    | 0.000    | 1320.000 | 1420.000 |
| X1 | 800.000  | 14.000   | 1349.000 | 1366.000 | 490.000  | 515.000  | 500.000  | 0.000    | 0.000    | 0.000    |
| GR | 1050.000 | 1143.000 | 1043.000 | 1100.000 | 1042.600 | 1205.000 | 1039.500 | 1300.000 | 1034.000 | 1311.000 |
| GR | 1033.300 | 1349.000 | 1028.600 | 1352.000 | 1028.300 | 1357.000 | 1029.600 | 1362.000 | 1034.100 | 1366.000 |
| GR | 1033.400 | 1400.000 | 1035.300 | 1433.000 | 1050.400 | 1485.000 | 1055.000 | 1510.000 | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1160.000 | 1285.000 |
| X1 | 2000.000 | 13.000   | 1227.000 | 1246.000 | 1196.000 | 1180.000 | 1200.000 | 0.000    | 0.000    | 0.000    |
| GR | 1055.000 | 1000.000 | 1050.000 | 1030.000 | 1045.000 | 1080.000 | 1040.000 | 1130.000 | 1039.500 | 1227.000 |
| GR | 1033.800 | 1230.000 | 1033.700 | 1235.000 | 1034.000 | 1240.000 | 1030.500 | 1246.000 | 1040.000 | 1325.000 |
| GR | 1045.000 | 1371.000 | 1050.000 | 1300.000 | 1055.000 | 1400.000 | 0.000    | 0.000    | 0.000    | 0.000    |
| NC | 0.120    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| OT | 6.000    | 615.000  | 1095.000 | 1340.000 | 2120.000 | 1340.000 | 1340.000 | 0.000    | 0.000    | 0.000    |
| ET | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1230.000 | 1360.000 |

\*\*MSR-4 BOTH SIDES NEF

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 3170.000 | 15.000   | 1300.000 | 1324.000 | 1112.000 | 1165.000 | 1170.000 | 0.000    | 0.000    | 0.000    |
| GR | 1060.000 | 1040.000 | 1055.000 | 1080.000 | 1050.000 | 1125.000 | 1045.000 | 1160.000 | 1044.200 | 1200.000 |
| GR | 1044.700 | 1300.000 | 1039.200 | 1303.000 | 1039.000 | 1313.000 | 1039.300 | 1324.000 | 1044.900 | 1324.000 |
| GR | 1044.500 | 1400.000 | 1045.000 | 1485.000 | 1050.000 | 1530.000 | 1055.000 | 1555.000 | 1060.000 | 1590.000 |

ET 0.000 0.000 0.000 0.000 0.000 0.000 9.110 0.000 0.000 1140.000 1204.000

\*\*MSR-5

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 4520.000 | 11.000   | 1176.000 | 1201.000 | 1320.000 | 1320.000 | 1350.000 | 0.000    | 0.000    | 0.000    |
| GR | 1071.600 | 1000.000 | 1050.000 | 1050.000 | 1055.000 | 1094.000 | 1055.800 | 1115.000 | 1053.100 | 1176.000 |
| GR | 1049.600 | 1100.000 | 1040.200 | 1102.000 | 1049.400 | 1196.000 | 1054.200 | 1201.000 | 1054.700 | 1204.000 |
| GR | 1071.000 | 1248.200 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |

NC 0.123 0.120 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 9.110 0.000 0.000 1080.000 1160.000

\*\*ART NEF

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 5500.000 | 11.000   | 1090.000 | 1115.000 | 070.000  | 045.000  | 080.000  | 0.000    | 0.000    | 0.000    |
| GR | 1075.000 | 1000.000 | 1070.000 | 1022.000 | 1065.000 | 1042.000 | 1060.000 | 1073.000 | 1050.500 | 1090.000 |
| GR | 1055.200 | 1005.000 | 1050.000 | 1102.000 | 1055.300 | 1100.000 | 1059.500 | 1115.000 | 1065.000 | 1250.000 |
| GR | 1075.000 | 1510.200 | 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 9.110 0.000 0.000 1197.000 1277.000

\*\*MSR-6

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 6400.000 | 13.000   | 1200.000 | 1250.000 | 915.000  | 075.000  | 900.000  | 0.000    | 0.000    | 0.000    |
| GR | 1064.200 | 1000.000 | 1070.400 | 1050.000 | 1075.000 | 1100.000 | 1067.200 | 1172.000 | 1066.900 | 1200.000 |
| GR | 1066.200 | 1225.200 | 1061.000 | 1230.000 | 1060.600 | 1230.000 | 1060.800 | 1243.000 | 1066.300 | 1250.000 |
| GR | 1068.200 | 1300.000 | 1070.100 | 1330.000 | 1080.600 | 1377.000 | 0.000    | 0.000    | 0.000    | 0.000    |

ET 0.000 0.000 0.000 0.000 0.000 0.000 9.110 0.000 0.000 1270.000 1340.000

\*\*LT NEF BOTTOM ELEV ADJ FR MAP

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 6800.000 | 14.000   | 1290.000 | 1327.000 | 420.000  | 370.000  | 400.000  | 0.000    | 0.000    | 0.000    |
| GR | 1085.000 | 070.000  | 1080.000 | 090.000  | 1075.000 | 1071.000 | 1072.000 | 1165.000 | 1070.000 | 1292.000 |
| GR | 1069.600 | 1290.000 | 1064.200 | 1300.000 | 1064.000 | 1315.000 | 1064.100 | 1321.000 | 1060.200 | 1327.000 |
| GR | 1070.000 | 1365.200 | 1075.000 | 1380.000 | 1080.000 | 1400.000 | 1085.000 | 1414.000 | 0.000    | 0.000    |

ET 0.000 0.000 0.000 0.000 0.000 0.000 9.110 0.000 0.000 1100.000 1180.000

\*\*BOTTOM ELEV ADJ FR MAP

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 7200.000 | 12.000   | 1120.000 | 1153.000 | 350.000  | 400.000  | 400.000  | 0.000    | 0.000    | 0.000    |
| GR | 1085.000 | 1070.000 | 1070.000 | 1035.000 | 1075.000 | 1113.000 | 1075.000 | 1127.000 | 1070.600 | 1132.000 |
| GR | 1070.000 | 1140.000 | 1070.000 | 1147.000 | 1075.000 | 1153.000 | 1075.000 | 1178.000 | 1080.000 | 1247.000 |
| GR | 1085.000 | 1209.000 | 1090.000 | 1337.000 | 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 9.110 0.000 0.000 1104.000 1179.000

\*\*BOTTOM ELEV ADJ FR MAP

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 7500.000 | 13.000   | 1120.000 | 1151.000 | 267.000  | 325.000  | 300.000  | 0.000    | 0.000    | 0.000    |
| GR | 1095.000 | 1062.000 | 1090.000 | 1080.000 | 1085.000 | 1096.000 | 1080.000 | 1116.000 | 1082.300 | 1129.000 |
| GR | 1077.600 | 1133.000 | 1077.000 | 1140.000 | 1077.000 | 1146.000 | 1082.300 | 1151.000 | 1080.000 | 1167.000 |
| GR | 1085.000 | 1187.000 | 1090.000 | 1200.000 | 1095.000 | 1228.000 | 0.000    | 0.000    | 0.000    | 0.000    |

|    |    |           |          |          |          |          |          |          |          |          |          |
|----|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 7  | ET | 0.000     | 0.200    | 0.000    | 1.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1041.000 | 1187.200 |
| 8  | X1 | 7750.000  | 9.000    | 1050.000 | 1001.000 | 225.000  | 250.000  | 250.000  | 0.000    | 0.000    | 0.000    |
| 9  | GR | 1095.000  | 1032.000 | 1090.000 | 1043.000 | 1089.000 | 1050.000 | 1086.000 | 1057.000 | 1085.000 | 1064.000 |
| 10 | GR | 1085.300  | 1072.000 | 1089.000 | 1083.000 | 1090.000 | 1084.000 | 1095.000 | 1096.000 | 0.000    | 0.000    |
| 12 | NC | 0.000     | 0.120    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 13 | QT | 6.000     | 610.000  | 1005.000 | 1320.000 | 2440.000 | 1320.000 | 1320.000 | 0.000    | 0.000    | 0.000    |
| 14 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1034.000 | 1066.000 |
| 15 | X1 | 7960.000  | 14.000   | 1041.000 | 1061.000 | 215.000  | 205.000  | 210.000  | 0.000    | 0.000    | 0.000    |
| 16 | GR | 1110.400  | 1000.000 | 1110.000 | 1018.000 | 1100.000 | 1020.000 | 1102.000 | 1035.000 | 1100.700 | 1041.000 |
| 17 | GR | 1029.600  | 1043.000 | 1097.500 | 1050.000 | 1097.700 | 1058.000 | 1102.700 | 1061.000 | 1103.100 | 1063.000 |
| 18 | GR | 1106.300  | 1075.000 | 1106.700 | 1085.000 | 1108.100 | 1100.000 | 1122.200 | 1186.000 | 0.000    | 0.000    |
| 21 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1060.000 | 1110.000 |
| 22 | X1 | 8700.000  | 11.000   | 1075.000 | 1005.000 | 745.000  | 735.000  | 740.000  | 0.000    | 0.000    | 0.000    |
| 23 | GR | 1120.000  | 1000.000 | 1115.000 | 1025.000 | 1110.000 | 1060.000 | 1109.500 | 1075.000 | 1106.400 | 1077.000 |
| 24 | GR | 1104.500  | 1085.000 | 1105.300 | 1091.000 | 1109.500 | 1095.000 | 1111.000 | 1121.000 | 1115.000 | 1147.000 |
| 25 | GP | 1120.000  | 1183.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 29 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1061.000 | 1104.000 |
| 30 | X1 | 9500.000  | 10.000   | 1064.000 | 1084.000 | 795.000  | 780.000  | 800.000  | 0.000    | 0.000    | 0.000    |
| 31 | GR | 1130.000  | 1000.000 | 1120.000 | 1060.000 | 1117.000 | 1064.000 | 1114.000 | 1067.000 | 1112.500 | 1076.000 |
| 32 | GR | 1114.200  | 1082.000 | 1117.000 | 1086.000 | 1120.000 | 1104.000 | 1125.000 | 1170.000 | 1130.000 | 1184.000 |
| 35 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1018.000 | 1074.000 |
| 36 | X1 | 10200.000 | 9.000    | 1020.000 | 1052.000 | 665.000  | 645.000  | 700.000  | 0.000    | 0.000    | 0.000    |
| 37 | GR | 1135.000  | 1000.000 | 1150.000 | 1017.000 | 1120.000 | 1029.000 | 1122.000 | 1033.000 | 1122.000 | 1042.000 |
| 38 | GR | 1124.000  | 1048.000 | 1127.000 | 1052.000 | 1130.000 | 1075.000 | 1135.000 | 1210.000 | 0.000    | 0.000    |
| 41 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1060.000 | 1110.000 |
| 42 | X1 | 10350.000 | 11.000   | 1055.000 | 1105.000 | 570.000  | 575.000  | 650.000  | 0.000    | 0.000    | 0.000    |
| 43 | GR | 1147.100  | 1000.000 | 1130.000 | 1040.000 | 1136.000 | 1047.000 | 1134.000 | 1085.000 | 1133.000 | 1090.000 |
| 44 | GR | 1132.200  | 1100.000 | 1135.000 | 1105.000 | 1137.000 | 1110.000 | 1140.000 | 1120.000 | 1145.600 | 1147.000 |
| 45 | GR | 1148.600  | 1167.000 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 48 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1090.000 | 1155.000 |
| 49 | X1 | 11700.000 | 10.000   | 1130.000 | 1140.000 | 850.000  | 850.000  | 850.000  | 0.000    | 0.000    | 0.000    |
| 50 | GR | 1155.000  | 1000.000 | 1150.000 | 1012.000 | 1145.000 | 1040.000 | 1143.000 | 1130.000 | 1138.700 | 1133.000 |
| 51 | GR | 1138.100  | 1139.000 | 1139.400 | 1146.000 | 1143.000 | 1149.000 | 1159.000 | 1300.000 | 1155.000 | 1326.000 |
| 52 | QT | 6.000     | 610.000  | 1070.000 | 1295.000 | 1940.000 | 1295.000 | 1295.000 | 0.000    | 0.000    | 0.000    |
| 53 | ET | 0.000     | 0.000    | 0.000    | 0.000    | 0.000    | 9.110    | 0.000    | 0.000    | 1240.000 | 1310.000 |





THIS RUN EXECUTED 12 MAR 85 13:16:21

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01, 02, 03, 04, 05, 06  
 MODIFICATION - 50, 51, 52, 53, 54, 55  
 \*\*\*\*\*

T1 FPM5 BR FIS MORGANTON NC  
 T2 50 YEAR  
 T3 SANDY RUN

J1 TCHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ  
 0. 3. 0. 0.000000 0.00 0.0 0. 1036.000 0.000

J2 NPROF TPLOT PRFS YSECV YSECH FN ALLDC IBW CHNIM ITRACE  
 2.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

THIS RUN EXECUTED 12 MAR 85 13:16:27

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76, UPDATED MAY 1984  
 ERROR CORR - 01, 02, 03, 04, 05, 06  
 MODIFICATION - 50, 51, 52, 53, 54, 55  
 \*\*\*\*\*

T1 FPM8 BR FIS MORGANTON NC  
 T2 100 YR NATURAL  
 T3 SANDY RUN

J1 ICHECK INQ NINV IDIR STPT METRIC HVINS 0 WSEL FQ  
 0. 4. 0. 2. 2.006000 0.00 0.0 0. 1031.000 0.000

J2 NPROF IPILOT PRFVS XSECV YSECH FN ALLDC IDW CHNIM ITRACE  
 3.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000



THIS RUN EXECUTED 12 MAR 85 13:16:39

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01, 02, 03, 04, 05, 06  
 MODIFICATION - 50, 51, 52, 53, 54, 55  
 \*\*\*\*\*

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

SANDY RUN  
SUMMARY PRINTOUT

| SECNO   | CWSEL   | EG      | EL*IN   | ELLC | CLASS | TOPWID | 10K*S |
|---------|---------|---------|---------|------|-------|--------|-------|
| 1.000   | 1033.52 | 1034.04 | 1025.50 | 0.00 | 0.00  | 34.00  | 58.40 |
| 1.000   | 1034.00 | 1036.72 | 1025.50 | 0.00 | 0.00  | 75.30  | 54.91 |
| 1.000   | 1036.63 | 1037.46 | 1025.50 | 0.00 | 0.00  | 97.05  | 59.46 |
| 1.000   | 1038.53 | 1039.46 | 1025.50 | 0.00 | 0.00  | 124.16 | 60.55 |
| 2.000   | 1033.51 | 1034.05 | 1025.50 | 0.00 | 0.00  | 34.05  | 58.04 |
| 2.000   | 1034.01 | 1036.73 | 1025.50 | 0.00 | 0.00  | 75.68  | 54.64 |
| 2.000   | 1036.65 | 1037.47 | 1025.50 | 0.00 | 0.00  | 97.46  | 59.14 |
| 2.000   | 1038.55 | 1039.47 | 1025.50 | 0.00 | 0.00  | 124.27 | 60.22 |
| 3.000   | 1033.54 | 1034.07 | 1025.50 | 0.00 | 0.00  | 34.15  | 57.44 |
| 3.000   | 1036.04 | 1036.75 | 1025.50 | 0.00 | 0.00  | 76.35  | 54.16 |
| 3.000   | 1036.68 | 1037.49 | 1025.50 | 0.00 | 0.00  | 98.22  | 58.56 |
| 3.000   | 1038.38 | 1039.49 | 1025.50 | 0.00 | 0.00  | 124.54 | 59.47 |
| 15.000  | 1033.61 | 1034.13 | 1025.50 | 0.00 | 0.00  | 34.47  | 55.45 |
| 15.000  | 1036.11 | 1036.81 | 1025.50 | 0.00 | 0.00  | 70.22  | 52.18 |
| 15.000  | 1036.77 | 1037.55 | 1025.50 | 0.00 | 0.00  | 101.78 | 55.94 |
| 15.000  | 1038.69 | 1039.56 | 1025.50 | 0.00 | 0.00  | 125.63 | 56.56 |
| 40.000  | 1033.75 | 1034.27 | 1025.60 | 0.00 | 0.00  | 34.69  | 54.09 |
| 40.000  | 1036.25 | 1036.94 | 1025.60 | 0.00 | 0.00  | 83.35  | 51.41 |
| 40.000  | 1037.83 | 1037.89 | 1025.60 | 0.00 | 0.00  | 103.36 | 54.74 |
| 40.000  | 1038.85 | 1039.70 | 1025.60 | 0.00 | 0.00  | 126.12 | 55.30 |
| 115.000 | 1034.17 | 1034.67 | 1025.90 | 0.00 | 0.00  | 35.24  | 50.97 |
| 115.000 | 1036.66 | 1037.42 | 1025.90 | 0.00 | 0.00  | 83.87  | 40.11 |
| 115.000 | 1037.37 | 1038.10 | 1025.90 | 0.00 | 0.00  | 108.73 | 51.01 |
| 115.000 | 1039.32 | 1040.11 | 1025.90 | 0.00 | 0.00  | 127.80 | 51.21 |
| 165.000 | 1034.58 | 1034.96 | 1026.10 | 0.00 | 0.00  | 22.00  | 33.31 |
| 165.000 | 1036.97 | 1037.56 | 1026.10 | 0.00 | 0.00  | 22.00  | 44.18 |
| 165.000 | 1037.61 | 1038.37 | 1026.10 | 0.00 | 0.00  | 22.00  | 52.50 |
| 165.000 | 1039.67 | 1040.38 | 1026.10 | 0.00 | 0.00  | 34.43  | 47.54 |

| SECNO      | CWSEL   | EG      | ELMIN   | ELLC    | CLASS | TOPWID | 10K+S  |
|------------|---------|---------|---------|---------|-------|--------|--------|
| 265.000    | 1034.62 | 1034.05 | 1026.40 | 1035.40 | 1.00  | 22.00  | 36.36  |
| 265.000    | 1037.91 | 1038.44 | 1026.40 | 1035.40 | 10.00 | 22.00  | 35.56  |
| 265.000    | 1039.11 | 1039.73 | 1026.40 | 1035.40 | 10.00 | 22.00  | 36.82  |
| 265.000    | 1043.13 | 1043.42 | 1026.40 | 1035.40 | 30.00 | 114.30 | 16.46  |
| 300.000    | 1034.68 | 1035.15 | 1026.70 | 0.00    | 0.00  | 41.18  | 56.28  |
| 300.000    | 1038.46 | 1038.88 | 1026.70 | 0.00    | 0.00  | 64.32  | 30.97  |
| 300.000    | 1039.49 | 1039.88 | 1026.70 | 0.00    | 0.00  | 75.99  | 20.46  |
| 300.000    | 1043.18 | 1043.48 | 1026.70 | 0.00    | 0.00  | 213.06 | 16.15  |
| 800.000    | 1036.79 | 1036.21 | 1028.30 | 0.00    | 0.00  | 132.68 | 22.42  |
| 800.000    | 1039.48 | 1039.57 | 1028.30 | 0.00    | 0.00  | 147.35 | 12.18  |
| 800.000    | 1040.64 | 1040.72 | 1028.30 | 0.00    | 0.00  | 156.86 | 10.03  |
| 800.000    | 1043.96 | 1044.03 | 1028.30 | 0.00    | 0.00  | 275.25 | 6.71   |
| 2000.000   | 1040.93 | 1041.25 | 1033.70 | 0.00    | 0.00  | 212.45 | 64.91  |
| 2000.000   | 1042.05 | 1042.31 | 1033.70 | 0.00    | 0.00  | 233.72 | 53.83  |
| 2000.000   | 1042.72 | 1042.93 | 1033.70 | 0.00    | 0.00  | 246.19 | 41.58  |
| 2000.000   | 1045.17 | 1045.28 | 1033.70 | 0.00    | 0.00  | 291.09 | 17.87  |
| 3170.000   | 1045.56 | 1045.68 | 1039.00 | 0.00    | 0.00  | 334.11 | 21.49  |
| 3170.000   | 1046.43 | 1046.55 | 1039.00 | 0.00    | 0.00  | 347.02 | 23.76  |
| 3170.000   | 1046.71 | 1046.83 | 1039.00 | 0.00    | 0.00  | 352.32 | 26.48  |
| 3170.000   | 1047.62 | 1047.75 | 1039.00 | 0.00    | 0.00  | 366.86 | 28.18  |
| * 4520.000 | 1052.77 | 1052.12 | 1049.20 | 0.00    | 0.00  | 22.98  | 433.24 |
| * 4520.000 | 1054.28 | 1055.33 | 1049.20 | 0.00    | 0.00  | 52.22  | 317.22 |
| * 4520.000 | 1054.95 | 1055.60 | 1049.20 | 0.00    | 0.00  | 70.42  | 268.14 |
| * 4520.000 | 1056.48 | 1057.04 | 1049.20 | 0.00    | 0.00  | 132.53 | 191.70 |
| 5500.000   | 1061.61 | 1061.82 | 1055.00 | 0.00    | 0.00  | 103.81 | 30.52  |
| 5500.000   | 1063.05 | 1063.30 | 1055.00 | 0.00    | 0.00  | 147.77 | 31.36  |
| 5500.000   | 1063.56 | 1063.83 | 1055.00 | 0.00    | 0.00  | 163.76 | 32.39  |
| 5500.000   | 1064.76 | 1065.10 | 1055.00 | 0.00    | 0.00  | 200.76 | 36.82  |
| * 6400.000 | 1066.33 | 1066.86 | 1060.60 | 0.00    | 0.00  | 30.66  | 120.37 |
| * 6400.000 | 1067.91 | 1068.72 | 1060.60 | 0.00    | 0.00  | 123.74 | 118.26 |
| 6400.000   | 1068.28 | 1068.80 | 1060.60 | 0.00    | 0.00  | 158.98 | 108.06 |
| 6400.000   | 1069.48 | 1070.01 | 1060.60 | 0.00    | 0.00  | 169.19 | 86.26  |
| 6800.000   | 1069.91 | 1070.27 | 1064.00 | 0.00    | 0.00  | 67.26  | 62.56  |
| 6800.000   | 1071.23 | 1071.62 | 1064.00 | 0.00    | 0.00  | 156.65 | 62.49  |
| 6800.000   | 1071.64 | 1072.13 | 1064.00 | 0.00    | 0.00  | 184.38 | 65.03  |
| 6800.000   | 1072.62 | 1073.17 | 1064.00 | 0.00    | 0.00  | 230.67 | 72.68  |
| * 7200.000 | 1074.07 | 1075.13 | 1070.00 | 0.00    | 0.00  | 23.83  | 270.44 |
| * 7200.000 | 1075.51 | 1076.87 | 1070.00 | 0.00    | 0.00  | 81.88  | 240.78 |
| * 7200.000 | 1076.08 | 1077.41 | 1070.00 | 0.00    | 0.00  | 101.08 | 216.98 |
| * 7200.000 | 1077.17 | 1078.63 | 1070.00 | 0.00    | 0.00  | 137.14 | 208.71 |

| SECHO       | CWSEL   | EG      | ELMIN   | ELLC | CLASS | TOPWID | 10K*S  |
|-------------|---------|---------|---------|------|-------|--------|--------|
| 7500.000    | 1081.59 | 1082.44 | 1077.90 | 0.00 | 0.00  | 53.41  | 220.55 |
| 7500.000    | 1082.92 | 1083.90 | 1077.00 | 0.00 | 0.00  | 73.56  | 209.76 |
| 7500.000    | 1083.10 | 1084.30 | 1077.00 | 0.00 | 0.00  | 75.79  | 241.05 |
| 7500.000    | 1084.11 | 1085.65 | 1077.00 | 0.00 | 0.00  | 83.88  | 262.60 |
| 7750.000    | 1083.69 | 1089.08 | 1085.00 | 0.00 | 0.00  | 25.83  | 414.71 |
| * 7750.000  | 1090.03 | 1091.71 | 1085.00 | 0.00 | 0.00  | 41.14  | 365.45 |
| * 7750.000  | 1093.59 | 1092.41 | 1085.00 | 0.00 | 0.00  | 43.73  | 326.53 |
| * 7750.000  | 1091.95 | 1094.94 | 1085.00 | 0.00 | 0.00  | 49.95  | 291.45 |
| * 7960.000  | 1101.63 | 1103.21 | 1097.50 | 0.00 | 0.00  | 19.30  | 440.48 |
| * 7960.000  | 1103.26 | 1105.30 | 1097.50 | 0.00 | 0.00  | 29.10  | 358.92 |
| * 7960.000  | 1103.92 | 1106.43 | 1097.50 | 0.00 | 0.00  | 32.23  | 331.98 |
| * 7960.000  | 1105.58 | 1108.75 | 1097.50 | 0.00 | 0.00  | 40.22  | 289.50 |
| 8700.000    | 1111.46 | 1111.79 | 1104.50 | 0.00 | 0.00  | 74.22  | 50.04  |
| 8700.000    | 1113.43 | 1114.43 | 1104.50 | 0.00 | 0.00  | 95.46  | 49.55  |
| 8700.000    | 1113.65 | 1114.07 | 1104.50 | 0.00 | 0.00  | 103.90 | 49.06  |
| 8700.000    | 1115.99 | 1115.72 | 1104.50 | 0.00 | 0.00  | 125.55 | 46.59  |
| 9500.000    | 1111.73 | 1111.64 | 1112.50 | 0.00 | 0.00  | 28.62  | 165.14 |
| 9500.000    | 1110.23 | 1123.49 | 1112.50 | 0.00 | 0.00  | 39.87  | 173.65 |
| 9500.000    | 1110.77 | 1121.24 | 1112.50 | 0.00 | 0.00  | 44.20  | 179.25 |
| 9500.000    | 1121.06 | 1123.03 | 1112.50 | 0.00 | 0.00  | 65.88  | 195.12 |
| 10200.000   | 1127.58 | 1128.21 | 1122.00 | 0.00 | 0.00  | 32.14  | 114.29 |
| 10200.000   | 1129.22 | 1133.10 | 1122.00 | 0.00 | 0.00  | 49.46  | 110.30 |
| 10200.000   | 1129.87 | 1132.86 | 1122.00 | 0.00 | 0.00  | 56.57  | 107.79 |
| 10200.000   | 1131.49 | 1133.62 | 1122.00 | 0.00 | 0.00  | 103.06 | 100.02 |
| 10850.000   | 1136.60 | 1137.30 | 1132.00 | 0.00 | 0.00  | 62.40  | 170.15 |
| 10850.000   | 1137.77 | 1139.70 | 1132.00 | 0.00 | 0.00  | 70.03  | 165.15 |
| 10850.000   | 1139.25 | 1139.17 | 1132.00 | 0.00 | 0.00  | 73.47  | 161.54 |
| 10850.000   | 1139.40 | 1142.55 | 1132.00 | 0.00 | 0.00  | 82.65  | 163.27 |
| 11700.000   | 1144.79 | 1145.13 | 1133.00 | 0.00 | 0.00  | 138.91 | 55.21  |
| 11700.000   | 1145.06 | 1146.33 | 1133.00 | 0.00 | 0.00  | 178.18 | 55.60  |
| 11700.000   | 1146.48 | 1146.70 | 1133.00 | 0.00 | 0.00  | 190.41 | 54.97  |
| 11700.000   | 1147.58 | 1147.03 | 1133.00 | 0.00 | 0.00  | 222.33 | 51.79  |
| * 12470.000 | 1152.40 | 1153.80 | 1147.00 | 0.00 | 0.00  | 142.65 | 180.10 |
| * 12470.000 | 1153.13 | 1153.27 | 1147.00 | 0.00 | 0.00  | 177.36 | 195.45 |
| 12470.000   | 1153.59 | 1154.17 | 1147.00 | 0.00 | 0.00  | 180.68 | 204.10 |
| 12470.000   | 1154.12 | 1154.88 | 1147.00 | 0.00 | 0.00  | 223.76 | 196.16 |
| 12720.000   | 1155.53 | 1155.82 | 1140.00 | 0.00 | 0.00  | 165.03 | 71.87  |
| 12720.000   | 1156.66 | 1156.70 | 1140.00 | 0.00 | 0.00  | 195.76 | 73.58  |
| 12720.000   | 1156.77 | 1156.90 | 1140.00 | 0.00 | 0.00  | 186.81 | 74.33  |
| 12720.000   | 1157.53 | 1157.90 | 1140.00 | 0.00 | 0.00  | 193.49 | 81.72  |

SANDY RUN

SUMMARY PRINTOUT

| SECNO   | CWSEL   | QLOD   | QCH     | QROE   | VLOB | VCH  | VROB |
|---------|---------|--------|---------|--------|------|------|------|
| 1.000   | 1033.50 | 12.35  | 825.38  | 11.66  | 1.18 | 5.98 | 1.17 |
| 1.000   | 1033.50 | 76.80  | 1340.21 | 62.00  | 1.52 | 7.13 | 1.80 |
| 1.000   | 1033.53 | 123.60 | 1554.94 | 91.46  | 1.57 | 7.75 | 2.02 |
| 1.000   | 1033.53 | 450.50 | 2097.07 | 210.48 | 2.10 | 8.78 | 2.40 |
| 2.000   | 1033.51 | 13.05  | 825.20  | 11.75  | 1.18 | 5.97 | 1.17 |
| 2.000   | 1033.51 | 77.35  | 1339.53 | 63.14  | 1.52 | 7.12 | 1.80 |
| 2.000   | 1033.55 | 120.70 | 1553.86 | 91.76  | 1.56 | 7.74 | 2.02 |
| 2.000   | 1033.55 | 461.24 | 2092.87 | 210.88 | 2.10 | 8.73 | 2.39 |
| 5.000   | 1033.54 | 13.21  | 824.80  | 11.80  | 1.18 | 5.95 | 1.16 |
| 5.000   | 1033.54 | 78.14  | 1338.33 | 63.55  | 1.51 | 7.10 | 1.80 |
| 5.000   | 1033.58 | 133.06 | 1551.83 | 92.31  | 1.56 | 7.71 | 2.01 |
| 5.000   | 1033.58 | 465.12 | 2088.03 | 211.94 | 2.10 | 8.72 | 2.38 |
| 15.000  | 1033.61 | 13.78  | 823.82  | 12.40  | 1.17 | 5.89 | 1.16 |
| 15.000  | 1033.61 | 81.68  | 1333.00 | 65.32  | 1.48 | 7.01 | 1.78 |
| 15.000  | 1033.77 | 137.73 | 1542.39 | 94.84  | 1.52 | 7.59 | 1.99 |
| 15.000  | 1033.60 | 480.49 | 2060.85 | 215.66 | 2.28 | 8.56 | 2.34 |
| 40.000  | 1033.75 | 14.13  | 823.35  | 12.76  | 1.17 | 5.84 | 1.16 |
| 40.000  | 1033.75 | 83.12  | 1333.87 | 66.02  | 1.46 | 6.97 | 1.78 |
| 40.000  | 1033.93 | 141.13 | 1537.82 | 96.35  | 1.51 | 7.53 | 1.98 |
| 40.000  | 1033.85 | 487.38 | 2060.25 | 217.27 | 2.38 | 8.49 | 2.33 |
| 115.000 | 1034.17 | 15.17  | 821.17  | 13.66  | 1.16 | 5.73 | 1.15 |
| 115.000 | 1034.17 | 87.75  | 1322.06 | 68.18  | 1.43 | 6.86 | 1.76 |
| 115.000 | 1034.37 | 152.63 | 1522.65 | 90.92  | 1.47 | 7.34 | 1.94 |
| 115.000 | 1034.32 | 510.71 | 2031.85 | 223.24 | 2.05 | 8.25 | 2.27 |
| 165.000 | 1034.58 | 0.00   | 850.00  | 0.00   | 0.00 | 4.56 | 0.00 |
| 165.000 | 1034.58 | 0.00   | 1480.00 | 0.00   | 0.00 | 6.19 | 0.00 |
| 165.000 | 1037.61 | 0.00   | 1775.00 | 0.00   | 0.00 | 7.01 | 0.00 |
| 165.000 | 1039.67 | 135.22 | 2220.69 | 407.00 | 2.03 | 7.44 | 2.16 |
| 265.000 | 1034.60 | 0.00   | 850.00  | 0.00   | 0.00 | 4.71 | 0.00 |
| 265.000 | 1037.01 | 0.00   | 1480.00 | 0.00   | 0.00 | 5.84 | 0.00 |
| 265.000 | 1039.11 | 0.00   | 1775.00 | 0.00   | 0.00 | 6.35 | 0.00 |
| 265.000 | 1043.13 | 211.06 | 1877.42 | 675.62 | 1.52 | 5.10 | 1.85 |
| 300.000 | 1034.60 | 27.07  | 817.70  | 5.84   | 1.61 | 5.62 | 0.93 |
| 300.000 | 1034.16 | 157.21 | 1750.48 | 63.11  | 1.87 | 5.59 | 1.48 |
| 300.000 | 1039.40 | 239.16 | 1436.37 | 99.46  | 1.94 | 5.62 | 1.57 |
| 300.000 | 1043.10 | 504.06 | 1810.28 | 378.56 | 1.79 | 5.32 | 1.46 |

| SECNO    | CWSEL   | QLOB    | QCH     | QROB    | VLOB | VCH   | VROB |
|----------|---------|---------|---------|---------|------|-------|------|
| 800.000  | 1036.79 | 151.13  | 455.54  | 213.78  | 1.46 | 3.67  | 1.14 |
| 800.000  | 1039.49 | 390.44  | 581.72  | 507.63  | 1.59 | 3.37  | 1.29 |
| 800.000  | 1040.61 | 491.65  | 633.27  | 645.08  | 1.62 | 3.30  | 1.32 |
| 800.000  | 1043.96 | 856.39  | 813.44  | 1090.47 | 1.49 | 3.23  | 1.37 |
| 2000.000 | 1043.93 | 155.54  | 589.54  | 105.92  | 1.31 | 5.39  | 1.09 |
| 2000.000 | 1042.86 | 440.26  | 723.14  | 307.61  | 1.34 | 5.53  | 1.52 |
| 2000.000 | 1042.72 | 612.99  | 740.99  | 421.02  | 1.09 | 5.17  | 1.57 |
| 2000.000 | 1045.17 | 1173.81 | 776.87  | 815.12  | 1.79 | 4.09  | 1.48 |
| 3170.000 | 1045.56 | 91.32   | 453.79  | 69.89   | 0.60 | 3.10  | 0.51 |
| 3170.000 | 1046.41 | 253.59  | 593.15  | 241.26  | 0.93 | 3.57  | 0.85 |
| 3170.000 | 1046.66 | 321.66  | 673.23  | 321.12  | 1.07 | 3.36  | 0.99 |
| 3170.000 | 1047.62 | 633.17  | 842.25  | 644.58  | 1.37 | 4.31  | 1.30 |
| 4520.000 | 1052.71 | 3.30    | 615.82  | 3.80    | 0.00 | 9.56  | 0.00 |
| 4520.000 | 1034.28 | 240.55  | 1070.45 | 33.80   | 1.55 | 10.43 | 0.52 |
| 4520.000 | 1054.44 | 74.17   | 1263.04 | 1.80    | 1.07 | 10.50 | 1.20 |
| 4520.000 | 1055.40 | 399.48  | 1498.58 | 23.83   | 2.50 | 10.78 | 2.23 |
| 5500.000 | 1064.41 | 37.47   | 533.89  | 46.54   | 0.94 | 3.93  | 0.35 |
| 5500.000 | 1064.35 | 111.87  | 593.82  | 187.33  | 1.32 | 4.66  | 1.22 |
| 5500.000 | 1064.36 | 151.93  | 913.84  | 374.73  | 1.46 | 4.97  | 1.46 |
| 5500.000 | 1064.76 | 291.13  | 1254.49 | 524.39  | 1.81 | 5.86  | 1.72 |
| 6400.000 | 1064.31 | 3.32    | 615.80  | 3.80    | 0.00 | 5.81  | 0.00 |
| 6400.000 | 1067.31 | 25.97   | 1023.39 | 61.83   | 1.10 | 5.89  | 1.35 |
| 6400.000 | 1068.23 | 54.91   | 1234.96 | 82.14   | 1.39 | 5.12  | 1.57 |
| 6400.000 | 1069.48 | 171.97  | 1673.76 | 275.17  | 1.86 | 6.50  | 2.21 |
| 6800.000 | 1069.81 | 3.23    | 607.38  | 7.88    | 0.28 | 4.85  | 0.59 |
| 6800.000 | 1071.23 | 44.51   | 947.08  | 133.49  | 0.79 | 5.78  | 1.58 |
| 6800.000 | 1071.64 | 91.25   | 1092.47 | 156.28  | 0.95 | 6.22  | 1.87 |
| 6800.000 | 1072.89 | 338.42  | 1465.59 | 329.09  | 1.47 | 7.21  | 2.50 |
| 7200.000 | 1074.87 | 3.80    | 615.80  | 3.80    | 0.00 | 8.15  | 0.00 |
| 7200.000 | 1075.51 | 18.79   | 1063.62 | 33.58   | 1.12 | 9.52  | 1.43 |
| 7200.000 | 1076.90 | 47.24   | 1222.66 | 71.80   | 1.62 | 9.64  | 2.11 |
| 7200.000 | 1077.17 | 177.89  | 1673.88 | 267.83  | 2.33 | 10.81 | 3.18 |
| 7500.000 | 1081.59 | 18.36   | 573.77  | 25.76   | 1.55 | 7.69  | 1.87 |
| 7500.000 | 1082.32 | 100.44  | 883.92  | 122.02  | 2.38 | 8.75  | 2.26 |
| 7500.000 | 1083.10 | 123.93  | 1044.13 | 160.95  | 2.78 | 9.77  | 3.47 |
| 7500.000 | 1084.11 | 254.98  | 1492.79 | 362.31  | 3.67 | 11.55 | 4.47 |
| 7750.000 | 1088.68 | 3.01    | 615.80  | 3.80    | 0.00 | 9.15  | 0.00 |
| 7750.000 | 1090.03 | 8.28    | 1094.37 | 0.48    | 0.44 | 10.41 | 0.73 |
| 7750.000 | 1090.50 | 71.96   | 1325.83 | 6.36    | 1.61 | 10.86 | 1.97 |
| 7750.000 | 1091.85 | 54.01   | 2020.96 | 44.13   | 3.03 | 12.43 | 3.47 |



| SECNO       | CWSEL   | QLOB   | QCH     | QROB | VLOB | VCH   | VROB |
|-------------|---------|--------|---------|------|------|-------|------|
| 7960.000    | 1101.63 | 0.00   | 410.00  | 0.00 | 0.00 | 10.00 | 0.00 |
| * 7960.000  | 1103.28 | 14.32  | 1269.82 | 0.00 | 2.31 | 11.54 | 1.10 |
| * 7960.000  | 1103.02 | 32.16  | 1281.74 | 0.00 | 3.02 | 12.12 | 1.06 |
| * 7960.000  | 1105.58 | 101.54 | 1809.72 | 0.00 | 4.22 | 13.58 | 2.90 |
| 8700.000    | 1111.46 | 37.41  | 541.08  | 0.00 | 1.13 | 4.89  | 0.98 |
| 8700.000    | 1113.03 | 131.65 | 814.88  | 0.00 | 1.62 | 5.75  | 1.59 |
| 8700.000    | 1113.65 | 186.59 | 1035.51 | 0.00 | 1.77 | 6.05  | 1.77 |
| 8700.000    | 1115.77 | 379.87 | 1250.67 | 0.00 | 2.11 | 6.69  | 2.75 |
| 9500.000    | 1117.83 | 0.35   | 407.65  | 0.00 | 0.76 | 7.24  | 0.80 |
| 9500.000    | 1119.23 | 0.33   | 1050.00 | 0.00 | 1.51 | 9.15  | 1.74 |
| 9500.000    | 1119.77 | 0.43   | 1230.36 | 0.00 | 1.78 | 9.92  | 2.05 |
| 9500.000    | 1121.06 | 32.28  | 1835.39 | 0.00 | 2.38 | 11.84 | 2.96 |
| 10200.000   | 1127.58 | 4.06   | 603.21  | 0.00 | 1.00 | 6.37  | 0.57 |
| 10200.000   | 1129.99 | 33.48  | 1035.66 | 0.00 | 1.72 | 7.80  | 1.36 |
| 10200.000   | 1132.07 | 41.17  | 1230.57 | 0.00 | 1.93 | 8.30  | 1.62 |
| 10200.000   | 1135.42 | 119.27 | 1716.45 | 0.00 | 2.60 | 9.28  | 2.09 |
| 10350.000   | 1136.69 | 0.30   | 700.77  | 0.00 | 1.07 | 7.33  | 1.24 |
| 10350.000   | 1137.77 | 277.48 | 792.17  | 0.00 | 2.84 | 8.55  | 1.93 |
| 10350.000   | 1138.75 | 372.42 | 922.56  | 0.00 | 3.13 | 9.03  | 2.17 |
| 10350.000   | 1139.40 | 673.90 | 1323.18 | 0.00 | 3.87 | 10.40 | 2.69 |
| 11700.000   | 1144.79 | 62.63  | 517.36  | 0.00 | 0.86 | 5.00  | 0.86 |
| 11700.000   | 1145.06 | 356.10 | 715.85  | 0.00 | 1.43 | 5.71  | 1.20 |
| 11700.000   | 1146.40 | 361.50 | 794.49  | 0.00 | 1.63 | 5.93  | 1.31 |
| 11700.000   | 1147.58 | 702.44 | 907.00  | 0.00 | 2.03 | 6.38  | 1.55 |
| * 12470.000 | 1152.41 | 96.70  | 565.35  | 0.00 | 1.33 | 7.25  | 0.90 |
| * 12470.000 | 1153.13 | 325.93 | 604.35  | 0.00 | 2.13 | 8.44  | 1.45 |
| * 12470.000 | 1153.30 | 442.44 | 774.17  | 0.00 | 2.61 | 9.93  | 1.65 |
| 12470.000   | 1154.12 | 803.13 | 947.56  | 0.00 | 2.92 | 9.57  | 2.02 |
| 12720.000   | 1155.53 | 160.76 | 430.76  | 0.00 | 1.19 | 5.10  | 0.67 |
| 12720.000   | 1156.43 | 430.63 | 375.95  | 0.00 | 1.73 | 5.76  | 1.18 |
| 12720.000   | 1156.77 | 573.97 | 633.92  | 0.00 | 1.92 | 6.02  | 1.40 |
| 12720.000   | 1157.53 | 947.08 | 900.92  | 0.00 | 2.39 | 6.82  | 1.90 |

SANDY RUN

SUMMARY PRINTOUT

| SECH0    | CASEL   | SSTA    | STCHL   | STCHR   | ENDST   | TOPWID |
|----------|---------|---------|---------|---------|---------|--------|
| 1.0000   | 1033.50 | 1123.67 | 1131.00 | 1151.00 | 1157.67 | 34.00  |
| 1.0000   | 1033.50 | 1099.50 | 1131.00 | 1151.00 | 1165.60 | 75.30  |
| 1.0000   | 1033.50 | 1077.00 | 1131.00 | 1151.00 | 1168.84 | 97.85  |
| 1.0000   | 1033.50 | 1057.00 | 1131.00 | 1151.00 | 1177.06 | 124.16 |
| 2.0000   | 1033.51 | 1123.64 | 1131.00 | 1151.00 | 1157.69 | 34.05  |
| 2.0000   | 1033.51 | 1099.00 | 1131.00 | 1151.00 | 1165.85 | 75.68  |
| 2.0000   | 1033.51 | 1077.10 | 1131.00 | 1151.00 | 1168.90 | 97.46  |
| 2.0000   | 1033.51 | 1057.75 | 1131.00 | 1151.00 | 1178.02 | 124.27 |
| 5.0000   | 1033.54 | 1123.59 | 1131.00 | 1151.00 | 1157.74 | 34.15  |
| 5.0000   | 1033.54 | 1099.00 | 1131.00 | 1151.00 | 1165.85 | 76.35  |
| 5.0000   | 1033.54 | 1077.00 | 1131.00 | 1151.00 | 1169.91 | 98.22  |
| 5.0000   | 1033.54 | 1057.51 | 1131.00 | 1151.00 | 1178.16 | 124.54 |
| 15.0000  | 1033.61 | 1123.42 | 1131.00 | 1151.00 | 1157.89 | 34.47  |
| 15.0000  | 1033.61 | 1099.00 | 1131.00 | 1151.00 | 1166.35 | 79.22  |
| 15.0000  | 1033.61 | 1077.00 | 1131.00 | 1151.00 | 1169.49 | 101.79 |
| 15.0000  | 1033.61 | 1057.00 | 1131.00 | 1151.00 | 1178.70 | 125.63 |
| 40.0000  | 1033.75 | 1123.30 | 1131.00 | 1151.00 | 1158.00 | 34.69  |
| 40.0000  | 1033.75 | 1099.00 | 1131.00 | 1151.00 | 1166.51 | 80.35  |
| 40.0000  | 1033.75 | 1077.00 | 1131.00 | 1151.00 | 1169.73 | 103.36 |
| 40.0000  | 1033.75 | 1057.00 | 1131.00 | 1151.00 | 1178.05 | 126.12 |
| 115.0000 | 1034.17 | 1123.32 | 1131.00 | 1151.00 | 1158.26 | 35.24  |
| 115.0000 | 1034.17 | 1099.00 | 1131.00 | 1151.00 | 1167.00 | 83.97  |
| 115.0000 | 1034.17 | 1077.00 | 1131.00 | 1151.00 | 1170.48 | 108.73 |
| 115.0000 | 1034.17 | 1057.00 | 1131.00 | 1151.00 | 1179.80 | 127.80 |
| 165.0000 | 1034.58 | 1123.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 165.0000 | 1034.58 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 165.0000 | 1034.58 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 165.0000 | 1034.58 | 1115.66 | 1132.00 | 1154.00 | 1209.14 | 84.48  |
| 265.0000 | 1034.60 | 1123.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 265.0000 | 1034.60 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 265.0000 | 1034.60 | 1133.00 | 1132.00 | 1154.00 | 1154.00 | 22.00  |
| 265.0000 | 1034.60 | 1109.37 | 1132.00 | 1154.00 | 1209.37 | 114.30 |
| 300.0000 | 1034.62 | 1115.00 | 1163.00 | 1186.00 | 1192.60 | 41.18  |
| 300.0000 | 1034.62 | 1133.00 | 1163.00 | 1186.00 | 1209.27 | 64.32  |
| 300.0000 | 1034.62 | 1133.00 | 1163.00 | 1186.00 | 1209.27 | 64.32  |
| 300.0000 | 1034.62 | 1115.00 | 1163.00 | 1186.00 | 1245.45 | 213.86 |

| SECNO | CWSEL      | SSTA    | STCHL   | STCHR   | ENDST   | TOPWID  |
|-------|------------|---------|---------|---------|---------|---------|
| 7     | 800.000    | 1036.79 | 1305.43 | 1348.00 | 1366.00 | 1438.11 |
| 8     | 800.000    | 1230.48 | 1300.34 | 1348.00 | 1366.00 | 1447.39 |
| 9     | 800.000    | 1040.64 | 1294.51 | 1348.00 | 1366.00 | 1451.37 |
| 10    | 800.000    | 1243.96 | 1187.57 | 1348.00 | 1366.00 | 1462.82 |
| 11    |            |         |         |         |         | 275.25  |
| 12    | 2000.000   | 1040.93 | 1121.89 | 1227.00 | 1246.00 | 1333.54 |
| 13    | 2000.000   | 1042.06 | 1110.23 | 1227.00 | 1246.00 | 1343.95 |
| 14    | 2000.000   | 1042.72 | 1123.86 | 1227.00 | 1246.00 | 1350.05 |
| 15    | 2000.000   | 1045.17 | 1088.22 | 1227.00 | 1246.00 | 1371.31 |
| 16    |            |         |         |         |         | 291.09  |
| 17    | 3170.000   | 1045.56 | 1156.82 | 1300.00 | 1324.00 | 1490.12 |
| 18    | 3170.000   | 1046.43 | 1149.97 | 1300.00 | 1324.00 | 1497.89 |
| 19    | 3170.000   | 1046.71 | 1148.85 | 1300.00 | 1324.00 | 1500.37 |
| 20    | 3170.000   | 1047.62 | 1141.69 | 1300.00 | 1324.00 | 1508.55 |
| 21    |            |         |         |         |         | 766.86  |
| 22    | * 4520.000 | 1052.70 | 1176.46 | 1176.00 | 1201.00 | 1199.44 |
| 23    | * 4520.000 | 1054.28 | 1140.27 | 1176.00 | 1201.00 | 1201.50 |
| 24    | * 4520.000 | 1054.95 | 1134.25 | 1176.00 | 1201.00 | 1204.67 |
| 25    | * 4520.000 | 1056.48 | 1076.27 | 1176.00 | 1201.00 | 1208.80 |
| 26    |            |         |         |         |         | 132.53  |
| 27    | 5500.000   | 1061.61 | 1063.31 | 1090.00 | 1115.00 | 1166.82 |
| 28    | 5500.000   | 1063.25 | 1054.15 | 1090.00 | 1115.00 | 1201.92 |
| 29    | 5500.000   | 1063.56 | 1050.92 | 1090.00 | 1115.00 | 1214.68 |
| 30    | 5500.000   | 1064.76 | 1043.46 | 1090.00 | 1115.00 | 1244.22 |
| 31    |            |         |         |         |         | 200.76  |
| 32    | * 6400.000 | 1065.33 | 1220.23 | 1200.00 | 1250.00 | 1250.88 |
| 33    | * 6400.000 | 1067.81 | 1156.27 | 1200.00 | 1250.00 | 1290.01 |
| 34    | * 6400.000 | 1069.20 | 1162.12 | 1200.00 | 1250.00 | 1301.11 |
| 35    | * 6400.000 | 1069.48 | 1159.98 | 1200.00 | 1250.00 | 1320.17 |
| 36    |            |         |         |         |         | 169.19  |
| 37    | 6800.000   | 1069.91 | 1203.38 | 1298.00 | 1327.00 | 1360.63 |
| 38    | 6800.000   | 1071.23 | 1214.35 | 1298.00 | 1327.00 | 1373.65 |
| 39    | 6800.000   | 1071.64 | 1188.14 | 1298.00 | 1327.00 | 1372.52 |
| 40    | 6800.000   | 1072.62 | 1146.28 | 1298.00 | 1327.00 | 1376.95 |
| 41    |            |         |         |         |         | 230.67  |
| 42    | 7200.000   | 1074.87 | 1128.26 | 1127.00 | 1153.00 | 1151.88 |
| 43    | * 7200.000 | 1075.51 | 1103.12 | 1127.00 | 1153.00 | 1185.00 |
| 44    | * 7200.000 | 1076.98 | 1091.97 | 1127.00 | 1153.00 | 1192.95 |
| 45    | * 7200.000 | 1077.17 | 1079.76 | 1127.00 | 1153.00 | 1207.89 |
| 46    |            |         |         |         |         | 137.14  |
| 47    | 7500.000   | 1031.59 | 1100.65 | 1120.00 | 1151.00 | 1173.35 |
| 48    | 7500.000   | 1082.22 | 1104.72 | 1120.00 | 1151.00 | 1178.28 |
| 49    | 7500.000   | 1083.17 | 1103.60 | 1120.00 | 1151.00 | 1179.40 |
| 50    | 7500.000   | 1084.11 | 1099.56 | 1120.00 | 1151.00 | 1183.44 |
| 51    |            |         |         |         |         | 83.88   |
| 52    | * 7750.000 | 1030.66 | 1052.18 | 1050.00 | 1080.00 | 1070.02 |
| 53    | * 7750.000 | 1090.33 | 1049.03 | 1050.00 | 1080.00 | 1084.07 |
| 54    | * 7750.000 | 1090.59 | 1041.73 | 1050.00 | 1080.00 | 1085.42 |
| 55    | * 7750.000 | 1091.95 | 1039.72 | 1050.00 | 1080.00 | 1088.67 |
| 56    |            |         |         |         |         | 49.95   |

| SECHQ       | CWSEL   | SSTA    | STCHL   | STCHR   | ENDST   | TOPWID |
|-------------|---------|---------|---------|---------|---------|--------|
| 7960.000    | 1101.63 | 1041.76 | 1041.00 | 1061.00 | 1060.36 | 19.30  |
| 7960.000    | 1103.26 | 1034.52 | 1041.00 | 1061.00 | 1063.61 | 29.10  |
| 7960.000    | 1103.92 | 1033.83 | 1041.00 | 1061.00 | 1066.06 | 32.23  |
| 7960.000    | 1105.58 | 1032.09 | 1041.00 | 1061.00 | 1072.31 | 40.22  |
| 8700.000    | 1111.45 | 1049.78 | 1075.00 | 1095.00 | 1123.99 | 74.22  |
| 8700.000    | 1113.03 | 1038.76 | 1075.00 | 1095.00 | 1134.22 | 95.46  |
| 8700.000    | 1113.63 | 1034.38 | 1075.00 | 1095.00 | 1138.29 | 103.90 |
| 8700.000    | 1115.07 | 1023.63 | 1075.00 | 1095.00 | 1148.08 | 125.35 |
| 9500.000    | 1117.83 | 1062.00 | 1064.00 | 1086.00 | 1091.52 | 28.62  |
| 9500.000    | 1119.23 | 1061.02 | 1064.00 | 1086.00 | 1100.89 | 39.87  |
| 9500.000    | 1119.77 | 1060.30 | 1064.00 | 1086.00 | 1104.50 | 44.20  |
| 9500.000    | 1121.06 | 1053.65 | 1064.00 | 1086.00 | 1119.54 | 65.88  |
| 10200.000   | 1127.58 | 1024.27 | 1029.00 | 1052.00 | 1056.41 | 32.14  |
| 10200.000   | 1129.20 | 1010.40 | 1029.00 | 1052.00 | 1068.26 | 49.46  |
| 10200.000   | 1130.87 | 1017.40 | 1029.00 | 1052.00 | 1073.97 | 56.57  |
| 10200.000   | 1131.48 | 1011.00 | 1029.00 | 1052.00 | 1115.02 | 103.06 |
| 10850.000   | 1136.60 | 1045.06 | 1085.00 | 1105.00 | 1108.35 | 62.49  |
| 10850.000   | 1137.77 | 1041.59 | 1085.00 | 1105.00 | 1111.62 | 70.03  |
| 10850.000   | 1138.25 | 1039.79 | 1085.00 | 1105.00 | 1113.26 | 73.47  |
| 10850.000   | 1139.42 | 1034.60 | 1085.00 | 1105.00 | 1117.23 | 82.65  |
| 11700.000   | 1144.79 | 1048.95 | 1130.00 | 1149.00 | 1187.85 | 138.91 |
| 11700.000   | 1145.96 | 1034.63 | 1130.00 | 1149.00 | 1212.81 | 172.18 |
| 11700.000   | 1146.42 | 1032.11 | 1130.00 | 1149.00 | 1222.52 | 190.41 |
| 11700.000   | 1147.58 | 1025.54 | 1130.00 | 1149.00 | 1247.86 | 222.33 |
| * 12470.000 | 1152.40 | 1180.75 | 1283.00 | 1300.00 | 1323.42 | 142.65 |
| * 12470.000 | 1153.13 | 1167.77 | 1283.00 | 1300.00 | 1345.13 | 177.36 |
| 12470.000   | 1153.30 | 1143.17 | 1283.00 | 1300.00 | 1353.85 | 189.68 |
| 12470.000   | 1154.12 | 1150.42 | 1283.00 | 1300.00 | 1374.18 | 223.76 |
| 12720.000   | 1155.53 | 1047.36 | 1160.00 | 1185.00 | 1212.40 | 165.03 |
| 12720.000   | 1156.45 | 1042.25 | 1160.00 | 1185.00 | 1224.61 | 183.76 |
| 12720.000   | 1156.77 | 1041.11 | 1160.00 | 1185.00 | 1227.02 | 186.81 |
| 12720.000   | 1157.53 | 1037.29 | 1160.00 | 1185.00 | 1230.78 | 193.49 |

SANDY RUN

SUMMARY PRINTOUT TABLE 150

| SECNO   | XLCH  | FLTRD | FLLC  | FLMIN   | Q       | CWSEL   | CRWS | EG      | 10K+S | VCH  | AREA   | .01K   |
|---------|-------|-------|-------|---------|---------|---------|------|---------|-------|------|--------|--------|
| 1.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 950.00  | 1033.50 | 0.00 | 1034.04 | 58.40 | 5.98 | 158.95 | 111.23 |
| 1.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1480.00 | 1036.00 | 0.00 | 1036.72 | 54.91 | 7.13 | 273.35 | 199.72 |
| 1.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1775.00 | 1036.63 | 0.00 | 1037.46 | 59.46 | 7.75 | 328.00 | 230.19 |
| 1.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 2765.00 | 1038.55 | 0.00 | 1039.46 | 60.55 | 8.78 | 545.05 | 355.35 |
| 2.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 850.00  | 1033.51 | 0.00 | 1034.05 | 58.64 | 5.97 | 159.35 | 111.57 |
| 2.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1480.00 | 1036.01 | 0.00 | 1036.73 | 54.64 | 7.12 | 274.18 | 200.21 |
| 2.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1775.00 | 1036.65 | 0.00 | 1037.47 | 59.14 | 7.74 | 329.16 | 230.81 |
| 2.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 2765.00 | 1038.55 | 0.00 | 1039.47 | 60.22 | 8.76 | 546.56 | 356.30 |
| 5.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 850.00  | 1033.54 | 0.00 | 1034.07 | 57.44 | 5.95 | 160.03 | 112.15 |
| 5.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1480.00 | 1036.04 | 0.00 | 1036.75 | 54.16 | 7.10 | 275.68 | 201.10 |
| 5.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 1775.00 | 1036.68 | 0.00 | 1037.49 | 58.56 | 7.71 | 331.32 | 231.96 |
| 5.000   | 0.000 | 0.000 | 0.000 | 1025.50 | 2765.00 | 1038.58 | 0.00 | 1039.49 | 59.47 | 8.72 | 550.11 | 358.55 |
| 15.000  | 1.000 | 0.000 | 0.000 | 1025.50 | 850.00  | 1033.61 | 0.00 | 1034.13 | 55.45 | 5.89 | 162.77 | 114.15 |
| 15.000  | 1.000 | 0.000 | 0.000 | 1025.50 | 1480.00 | 1036.11 | 0.00 | 1036.81 | 52.18 | 7.01 | 282.19 | 200.89 |
| 15.000  | 1.000 | 0.000 | 0.000 | 1025.50 | 1775.00 | 1036.77 | 0.00 | 1037.55 | 53.04 | 7.59 | 341.48 | 237.32 |
| 15.000  | 1.000 | 0.000 | 0.000 | 1025.50 | 2765.00 | 1038.69 | 0.00 | 1039.56 | 54.56 | 8.56 | 564.38 | 367.64 |
| 40.000  | 0.000 | 0.000 | 0.000 | 1025.60 | 850.00  | 1033.75 | 0.00 | 1034.27 | 54.09 | 5.84 | 164.05 | 115.58 |
| 40.000  | 0.000 | 0.000 | 0.000 | 1025.60 | 1480.00 | 1036.25 | 0.00 | 1036.94 | 51.41 | 6.97 | 284.81 | 202.41 |
| 40.000  | 0.000 | 0.000 | 0.000 | 1025.60 | 1775.00 | 1036.93 | 0.00 | 1037.69 | 54.74 | 7.53 | 345.43 | 239.91 |
| 40.000  | 0.000 | 0.000 | 0.000 | 1025.60 | 2765.00 | 1038.85 | 0.00 | 1039.78 | 55.30 | 8.49 | 578.88 | 374.81 |
| 115.000 | 0.000 | 0.000 | 0.000 | 1025.90 | 850.00  | 1034.17 | 0.00 | 1034.47 | 50.97 | 5.73 | 168.13 | 119.06 |
| 115.000 | 0.000 | 0.000 | 0.000 | 1025.90 | 1480.00 | 1036.55 | 0.00 | 1037.32 | 49.11 | 6.86 | 293.24 | 211.62 |
| 115.000 | 0.000 | 0.000 | 0.000 | 1025.90 | 1775.00 | 1037.37 | 0.00 | 1038.10 | 51.01 | 7.34 | 363.02 | 248.52 |
| 115.000 | 0.000 | 0.000 | 0.000 | 1025.90 | 2765.00 | 1039.32 | 0.00 | 1040.11 | 51.21 | 8.25 | 593.42 | 386.39 |
| 165.000 | 0.000 | 0.000 | 0.000 | 1026.10 | 850.00  | 1034.58 | 0.00 | 1034.90 | 43.31 | 4.56 | 186.60 | 147.28 |
| 165.000 | 0.000 | 0.000 | 0.000 | 1026.10 | 1480.00 | 1036.97 | 0.00 | 1037.56 | 44.18 | 6.19 | 239.10 | 222.65 |
| 165.000 | 0.000 | 0.000 | 0.000 | 1026.10 | 1775.00 | 1037.61 | 0.00 | 1038.37 | 52.50 | 7.01 | 253.21 | 244.98 |
| 165.000 | 0.000 | 0.000 | 0.000 | 1026.10 | 2765.00 | 1039.67 | 0.00 | 1040.38 | 47.54 | 7.44 | 553.79 | 401.01 |
| 265.000 | 1.000 | 1.000 | 1.000 | 1026.40 | 850.00  | 1034.60 | 0.00 | 1034.95 | 36.36 | 4.71 | 189.41 | 140.90 |
| 265.000 | 1.000 | 1.000 | 1.000 | 1026.40 | 1480.00 | 1037.91 | 0.00 | 1039.44 | 35.56 | 5.84 | 253.33 | 240.20 |
| 265.000 | 1.000 | 1.000 | 1.000 | 1026.40 | 1775.00 | 1039.11 | 0.00 | 1039.73 | 36.82 | 6.35 | 279.56 | 202.50 |
| 265.000 | 1.000 | 1.000 | 1.000 | 1026.40 | 2765.00 | 1043.13 | 0.00 | 1043.42 | 16.76 | 5.10 | 873.69 | 681.47 |
| 300.000 | 0.000 | 0.000 | 0.000 | 1026.70 | 850.00  | 1034.63 | 0.00 | 1035.15 | 56.28 | 5.62 | 169.35 | 113.30 |
| 300.000 | 0.000 | 0.000 | 0.000 | 1026.70 | 1480.00 | 1038.15 | 0.00 | 1038.58 | 30.07 | 5.59 | 352.01 | 265.93 |
| 300.000 | 0.000 | 0.000 | 0.000 | 1026.70 | 1775.00 | 1039.40 | 0.00 | 1039.88 | 26.46 | 5.62 | 442.52 | 345.06 |
| 300.000 | 0.000 | 0.000 | 0.000 | 1026.70 | 2765.00 | 1043.13 | 0.00 | 1043.48 | 16.15 | 5.32 | 917.16 | 688.05 |

| SECHO       | XLCH      | FLTRD | ELLC | FLMIN   | Q       | CWSEL   | CRWS    | EG      | 10K+S  | VCH   | AREA    | .61K    |
|-------------|-----------|-------|------|---------|---------|---------|---------|---------|--------|-------|---------|---------|
| 8000.0000   | 5000.0000 | 0.00  | 0.00 | 1028.30 | 850.00  | 1036.70 | 0.00    | 1036.01 | 22.42  | 3.67  | 435.02  | 179.51  |
| 8000.0000   | 5000.0000 | 0.00  | 0.00 | 1028.30 | 1480.00 | 1039.48 | 0.00    | 1039.57 | 12.18  | 3.37  | 812.27  | 424.00  |
| 8000.0000   | 5000.0000 | 0.00  | 0.00 | 1028.30 | 1775.00 | 1040.64 | 0.00    | 1040.72 | 10.03  | 3.30  | 988.05  | 560.37  |
| 8000.0000   | 5000.0000 | 0.00  | 0.00 | 1028.30 | 2765.00 | 1043.96 | 0.00    | 1044.03 | 6.71   | 3.23  | 1619.29 | 1067.08 |
| 2000.0000   | 1200.0000 | 0.00  | 0.00 | 1033.70 | 350.00  | 1040.93 | 0.00    | 1041.25 | 64.91  | 5.39  | 324.61  | 105.51  |
| 2000.0000   | 1200.0000 | 0.00  | 0.00 | 1033.70 | 1480.00 | 1042.06 | 0.00    | 1042.31 | 53.83  | 5.53  | 577.00  | 201.72  |
| 2000.0000   | 1200.0000 | 0.00  | 0.00 | 1033.70 | 1775.00 | 1042.72 | 0.00    | 1042.92 | 41.58  | 5.17  | 736.14  | 275.26  |
| 2000.0000   | 1200.0000 | 0.00  | 0.00 | 1033.70 | 2765.00 | 1045.17 | 0.00    | 1045.23 | 17.87  | 4.09  | 1395.16 | 654.14  |
| 3170.0000   | 1170.0000 | 0.00  | 0.00 | 1030.00 | 615.00  | 1045.56 | 0.00    | 1045.68 | 21.40  | 3.10  | 435.11  | 132.66  |
| 3170.0000   | 1170.0000 | 0.00  | 0.00 | 1030.00 | 1095.00 | 1046.43 | 0.00    | 1046.55 | 23.76  | 3.57  | 720.60  | 224.64  |
| 3170.0000   | 1170.0000 | 0.00  | 0.00 | 1030.00 | 1340.00 | 1046.71 | 0.00    | 1046.83 | 26.48  | 3.86  | 825.80  | 260.40  |
| 3170.0000   | 1170.0000 | 0.00  | 0.00 | 1030.00 | 2120.00 | 1047.62 | 0.00    | 1047.75 | 28.18  | 4.31  | 1152.61 | 399.38  |
| * 4520.0000 | 1350.0000 | 0.00  | 0.00 | 1040.20 | 615.00  | 1052.70 | 1052.70 | 1054.12 | 433.24 | 0.56  | 64.34   | 29.55   |
| * 4520.0000 | 1350.0000 | 0.00  | 0.00 | 1040.20 | 1095.00 | 1054.28 | 1054.28 | 1055.07 | 317.22 | 0.43  | 118.50  | 61.48   |
| * 4520.0000 | 1350.0000 | 0.00  | 0.00 | 1040.20 | 1340.00 | 1054.95 | 1054.95 | 1055.60 | 268.14 | 0.59  | 150.46  | 81.83   |
| * 4520.0000 | 1350.0000 | 0.00  | 0.00 | 1040.20 | 2120.00 | 1056.48 | 1056.48 | 1057.04 | 191.78 | 0.78  | 327.27  | 153.12  |
| 5500.0000   | 0000.0000 | 0.00  | 0.00 | 1055.00 | 615.00  | 1061.61 | 0.00    | 1061.82 | 30.52  | 7.03  | 220.53  | 111.32  |
| 5500.0000   | 0000.0000 | 0.00  | 0.00 | 1055.00 | 1095.00 | 1063.05 | 0.00    | 1063.30 | 31.36  | 4.66  | 400.37  | 195.55  |
| 5500.0000   | 0000.0000 | 0.00  | 0.00 | 1055.00 | 1340.00 | 1063.56 | 0.00    | 1063.83 | 32.39  | 4.07  | 490.39  | 235.47  |
| 5500.0000   | 0000.0000 | 0.00  | 0.00 | 1055.00 | 2120.00 | 1064.76 | 0.00    | 1065.10 | 36.82  | 5.36  | 709.70  | 349.37  |
| * 6400.0000 | 0000.0000 | 0.00  | 0.00 | 1060.60 | 615.00  | 1066.33 | 1064.48 | 1066.86 | 120.37 | 5.81  | 105.02  | 56.05   |
| * 6400.0000 | 0000.0000 | 0.00  | 0.00 | 1060.60 | 1095.00 | 1067.81 | 0.00    | 1068.32 | 118.86 | 5.89  | 228.30  | 100.44  |
| * 6400.0000 | 0000.0000 | 0.00  | 0.00 | 1060.60 | 1340.00 | 1068.20 | 0.00    | 1068.80 | 108.96 | 6.12  | 287.50  | 128.37  |
| * 6400.0000 | 0000.0000 | 0.00  | 0.00 | 1060.60 | 2120.00 | 1069.48 | 0.00    | 1070.81 | 86.26  | 6.50  | 473.50  | 228.26  |
| 6800.0000   | 4000.0000 | 0.00  | 0.00 | 1064.00 | 615.00  | 1069.91 | 0.00    | 1070.27 | 62.56  | 4.85  | 138.06  | 77.76   |
| 6800.0000   | 4000.0000 | 0.00  | 0.00 | 1064.00 | 1095.00 | 1071.23 | 0.00    | 1071.68 | 62.49  | 5.78  | 285.55  | 138.52  |
| 6800.0000   | 4000.0000 | 0.00  | 0.00 | 1064.00 | 1340.00 | 1071.64 | 0.00    | 1072.13 | 65.93  | 6.32  | 354.08  | 165.03  |
| 6800.0000   | 4000.0000 | 0.00  | 0.00 | 1064.00 | 2120.00 | 1072.60 | 0.00    | 1073.17 | 72.68  | 7.21  | 558.18  | 248.68  |
| * 7200.0000 | 4000.0000 | 0.00  | 0.00 | 1070.00 | 615.00  | 1074.07 | 0.00    | 1075.10 | 278.44 | 8.15  | 75.43   | 37.40   |
| * 7200.0000 | 4000.0000 | 0.00  | 0.00 | 1070.00 | 1095.00 | 1075.51 | 1075.51 | 1076.87 | 249.78 | 0.52  | 135.83  | 69.28   |
| * 7200.0000 | 4000.0000 | 0.00  | 0.00 | 1070.00 | 1340.00 | 1076.88 | 1076.88 | 1077.41 | 216.08 | 9.64  | 188.56  | 90.97   |
| * 7200.0000 | 4000.0000 | 0.00  | 0.00 | 1070.00 | 2120.00 | 1077.17 | 1077.17 | 1078.63 | 298.71 | 10.81 | 317.54  | 146.75  |
| 7500.0000   | 3000.0000 | 0.00  | 0.00 | 1077.00 | 615.00  | 1081.50 | 0.00    | 1082.64 | 220.55 | 7.69  | 100.14  | 41.41   |
| 7500.0000   | 3000.0000 | 0.00  | 0.00 | 1077.00 | 1095.00 | 1082.92 | 0.00    | 1083.33 | 229.76 | 9.75  | 181.17  | 75.61   |
| 7500.0000   | 3000.0000 | 0.00  | 0.00 | 1077.00 | 1340.00 | 1083.10 | 0.00    | 1084.00 | 241.95 | 8.77  | 201.96  | 86.15   |
| 7500.0000   | 3000.0000 | 0.00  | 0.00 | 1077.00 | 2120.00 | 1084.11 | 0.00    | 1085.00 | 262.60 | 11.55 | 282.64  | 130.82  |
| * 7750.0000 | 0000.0000 | 0.00  | 0.00 | 1085.00 | 615.00  | 1088.68 | 1088.67 | 1089.08 | 414.71 | 0.15  | 67.20   | 30.20   |
| * 7750.0000 | 0000.0000 | 0.00  | 0.00 | 1085.00 | 1095.00 | 1090.03 | 1090.03 | 1091.71 | 365.45 | 10.41 | 106.24  | 57.28   |
| * 7750.0000 | 0000.0000 | 0.00  | 0.00 | 1085.00 | 1340.00 | 1090.59 | 1090.59 | 1092.41 | 326.53 | 10.86 | 130.12  | 74.16   |
| * 7750.0000 | 0000.0000 | 0.00  | 0.00 | 1085.00 | 2120.00 | 1091.05 | 1091.05 | 1094.24 | 291.45 | 12.43 | 193.46  | 124.18  |

| SECNO       | XLCH    | FLTRD | ELLC | ELMIN   | Q       | CWSEL   | CRWS    | EG      | 10K*S  | VCH   | AREA   | .01K   |
|-------------|---------|-------|------|---------|---------|---------|---------|---------|--------|-------|--------|--------|
| * 7960.000  | 211.000 | 0.00  | 0.00 | 1107.50 | 410.00  | 1101.63 | 1107.63 | 1107.21 | 440.48 | 10.00 | 60.47  | 28.77  |
| * 7960.000  | 211.000 | 0.00  | 0.00 | 1107.50 | 1085.00 | 1103.26 | 1103.26 | 1105.30 | 358.82 | 11.51 | 99.69  | 57.28  |
| * 7960.000  | 211.000 | 0.00  | 0.00 | 1107.50 | 1320.00 | 1103.92 | 1103.92 | 1106.13 | 331.98 | 12.12 | 110.71 | 72.45  |
| * 7963.000  | 211.000 | 0.00  | 0.00 | 1107.50 | 2040.00 | 1105.58 | 1105.58 | 1120.25 | 239.52 | 13.58 | 180.08 | 119.90 |
| 8700.000    | 747.000 | 0.00  | 0.00 | 1104.50 | 610.00  | 1111.46 | 0.00    | 1111.79 | 50.24  | 4.99  | 176.01 | 86.23  |
| 8700.000    | 747.000 | 0.00  | 0.00 | 1104.50 | 1085.00 | 1113.93 | 0.00    | 1113.43 | 40.55  | 5.75  | 309.47 | 154.14 |
| 8700.000    | 747.000 | 0.00  | 0.00 | 1104.50 | 1320.00 | 1113.65 | 0.00    | 1114.97 | 40.26  | 6.05  | 371.93 | 188.46 |
| 8700.000    | 747.000 | 0.00  | 0.00 | 1104.50 | 2040.00 | 1115.27 | 0.00    | 1115.72 | 46.59  | 6.60  | 557.20 | 298.66 |
| 9500.000    | 800.000 | 0.00  | 0.00 | 1112.50 | 610.00  | 1117.83 | 0.00    | 1118.64 | 165.14 | 7.24  | 86.70  | 47.47  |
| 9500.000    | 800.000 | 0.00  | 0.00 | 1112.50 | 1085.00 | 1119.23 | 0.00    | 1120.49 | 173.55 | 9.15  | 134.85 | 82.34  |
| 9500.000    | 800.000 | 0.00  | 0.00 | 1112.50 | 1320.00 | 1119.77 | 0.00    | 1121.24 | 170.25 | 9.92  | 157.58 | 98.50  |
| 9500.000    | 800.000 | 0.00  | 0.00 | 1112.50 | 2040.00 | 1121.86 | 1120.71 | 1123.33 | 195.12 | 11.84 | 225.91 | 146.04 |
| 10200.000   | 700.000 | 0.00  | 0.00 | 1122.00 | 610.00  | 1127.58 | 0.00    | 1128.21 | 114.29 | 6.37  | 100.03 | 57.06  |
| 10200.000   | 700.000 | 0.00  | 0.00 | 1122.00 | 1085.00 | 1129.28 | 0.00    | 1130.10 | 110.30 | 7.80  | 166.30 | 103.31 |
| 10200.000   | 700.000 | 0.00  | 0.00 | 1122.00 | 1320.00 | 1129.87 | 0.00    | 1130.96 | 107.79 | 8.30  | 201.61 | 127.14 |
| 10200.000   | 700.000 | 0.00  | 0.00 | 1122.00 | 2040.00 | 1131.48 | 0.00    | 1132.62 | 107.02 | 9.28  | 328.65 | 203.98 |
| 10350.000   | 650.000 | 0.00  | 0.00 | 1132.20 | 610.00  | 1136.60 | 0.00    | 1137.30 | 178.15 | 7.33  | 121.68 | 65.70  |
| 10350.000   | 650.000 | 0.00  | 0.00 | 1132.20 | 1085.00 | 1137.77 | 0.00    | 1138.63 | 165.15 | 8.55  | 198.38 | 94.43  |
| 10350.000   | 650.000 | 0.00  | 0.00 | 1132.20 | 1320.00 | 1138.25 | 0.00    | 1139.17 | 161.54 | 9.03  | 232.60 | 103.86 |
| 10350.000   | 650.000 | 0.00  | 0.00 | 1132.20 | 2040.00 | 1139.40 | 0.00    | 1140.55 | 163.27 | 10.40 | 322.06 | 159.65 |
| 11700.000   | 250.000 | 0.00  | 0.00 | 1138.10 | 610.00  | 1144.79 | 0.00    | 1145.13 | 55.21  | 5.00  | 211.41 | 82.00  |
| 11700.000   | 250.000 | 0.00  | 0.00 | 1138.10 | 1085.00 | 1145.96 | 0.00    | 1146.30 | 55.60  | 5.71  | 308.58 | 145.51 |
| 11700.000   | 250.000 | 0.00  | 0.00 | 1138.10 | 1320.00 | 1146.43 | 0.00    | 1146.75 | 54.97  | 5.03  | 481.56 | 178.04 |
| 11700.000   | 250.000 | 0.00  | 0.00 | 1138.10 | 2040.00 | 1147.52 | 0.00    | 1147.92 | 51.79  | 6.38  | 727.07 | 283.47 |
| * 12470.000 | 770.000 | 0.00  | 0.00 | 1147.10 | 610.00  | 1152.40 | 1152.40 | 1153.88 | 180.10 | 7.25  | 151.41 | 45.45  |
| * 12470.000 | 770.000 | 0.00  | 0.00 | 1147.10 | 1085.00 | 1153.13 | 1153.13 | 1153.87 | 193.45 | 8.44  | 269.63 | 76.54  |
| 12470.000   | 770.000 | 0.00  | 0.00 | 1147.10 | 1295.00 | 1153.79 | 0.00    | 1154.17 | 204.10 | 8.93  | 317.77 | 98.65  |
| 12470.000   | 770.000 | 0.00  | 0.00 | 1147.10 | 1940.00 | 1154.12 | 0.00    | 1154.98 | 196.16 | 9.57  | 467.72 | 138.52 |
| 12720.000   | 250.000 | 0.00  | 0.00 | 1140.70 | 610.00  | 1155.53 | 0.00    | 1155.82 | 71.87  | 5.10  | 241.27 | 71.95  |
| 12720.000   | 250.000 | 0.00  | 0.00 | 1140.70 | 1085.00 | 1156.43 | 0.00    | 1156.72 | 73.56  | 5.76  | 400.01 | 124.74 |
| 12720.000   | 250.000 | 0.00  | 0.00 | 1140.70 | 1295.00 | 1156.77 | 0.00    | 1157.30 | 74.73  | 5.92  | 465.50 | 150.21 |
| 12720.000   | 250.000 | 0.00  | 0.00 | 1140.70 | 1940.00 | 1157.53 | 0.00    | 1157.96 | 81.72  | 6.82  | 610.72 | 214.61 |

12.12

SANDY RUN

SUMMARY PRINTOUT TABLE 150

| SECNO   | Q        | CHSEL    | DIFWSP | DIFWSX | DIFKWS | TOPWID | XLCH   |
|---------|----------|----------|--------|--------|--------|--------|--------|
| 1.000   | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 34.00  | 0.00   |
| 1.000   | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 75.30  | 0.00   |
| 1.000   | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 97.05  | 0.00   |
| 1.000   | 2765.000 | 10333.50 | 1.00   | 0.00   | 7.55   | 124.16 | 0.00   |
| 2.000   | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 34.05  | 2.00   |
| 2.000   | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 75.68  | 2.00   |
| 2.000   | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 97.46  | 2.00   |
| 2.000   | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 124.27 | 2.00   |
| 5.000   | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 34.15  | 3.00   |
| 5.000   | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 76.35  | 3.00   |
| 5.000   | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 98.22  | 3.00   |
| 5.000   | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 124.54 | 3.00   |
| 15.000  | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 34.47  | 10.00  |
| 15.000  | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 79.22  | 10.00  |
| 15.000  | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 101.70 | 10.00  |
| 15.000  | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 125.63 | 10.00  |
| 40.000  | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 34.60  | 25.00  |
| 40.000  | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 80.35  | 25.00  |
| 40.000  | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 103.36 | 25.00  |
| 40.000  | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 126.12 | 25.00  |
| 115.000 | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 35.24  | 75.00  |
| 115.000 | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 83.87  | 75.00  |
| 115.000 | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 108.73 | 75.00  |
| 115.000 | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 127.80 | 75.00  |
| 165.000 | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 22.00  | 50.00  |
| 165.000 | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 22.00  | 50.00  |
| 165.000 | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 22.00  | 50.00  |
| 165.000 | 2765.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 84.40  | 50.00  |
| 265.000 | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 22.00  | 100.00 |
| 265.000 | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 22.00  | 100.00 |
| 265.000 | 1775.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 22.00  | 100.00 |
| 265.000 | 2765.000 | 10333.50 | 4.00   | 0.00   | 0.00   | 114.30 | 100.00 |
| 300.000 | 855.000  | 10333.50 | 0.00   | 0.00   | 0.00   | 41.13  | 35.00  |
| 300.000 | 1480.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 64.72  | 35.00  |
| 300.000 | 1775.000 | 10333.50 | 0.00   | 0.00   | 0.00   | 75.00  | 35.00  |
| 300.000 | 2765.000 | 10333.50 | 1.00   | 0.00   | 0.00   | 213.06 | 35.00  |



| SECNO      | Q       | CWSEL   | DIFWSP | DIFWSY | DIFKWS | TOPWID | XLCH    |
|------------|---------|---------|--------|--------|--------|--------|---------|
| 800.000    | 850.00  | 1534.29 | 0.00   | 2.11   | 0.00   | 132.68 | 500.00  |
| 800.000    | 1420.00 | 1332.48 | 2.69   | 1.32   | 0.00   | 147.35 | 500.00  |
| 800.000    | 1775.00 | 1040.64 | 1.16   | 1.16   | 0.00   | 156.86 | 500.00  |
| 800.000    | 2765.00 | 1043.95 | 3.32   | 3.78   | 0.00   | 275.25 | 500.00  |
| 2000.000   | 850.00  | 1042.03 | 0.00   | 4.14   | 0.00   | 212.45 | 1200.00 |
| 2000.000   | 1420.00 | 1042.76 | 1.13   | 2.53   | 0.00   | 233.72 | 1200.00 |
| 2000.000   | 1775.00 | 1042.72 | 0.67   | 2.39   | 0.00   | 246.19 | 1200.00 |
| 2000.000   | 2765.00 | 1043.17 | 2.45   | 1.21   | 0.00   | 291.09 | 1200.00 |
| 3170.000   | 615.00  | 1045.56 | 0.00   | 4.64   | 0.00   | 334.11 | 1170.00 |
| 3170.000   | 1095.00 | 1045.43 | 0.87   | 4.38   | 0.00   | 347.92 | 1170.00 |
| 3170.000   | 1340.00 | 1046.71 | 0.27   | 3.08   | 0.00   | 352.32 | 1170.00 |
| 3170.000   | 2120.00 | 1047.62 | 0.91   | 2.45   | 0.00   | 366.86 | 1170.00 |
| * 4520.000 | 615.00  | 1052.70 | 2.32   | 7.13   | 0.00   | 22.90  | 1350.00 |
| * 4520.000 | 1095.00 | 1054.23 | 1.53   | 7.95   | 0.00   | 52.22  | 1350.00 |
| * 4520.000 | 1340.00 | 1054.95 | 0.67   | 9.24   | 0.00   | 70.42  | 1350.00 |
| * 4520.000 | 2120.00 | 1054.48 | 1.53   | 9.86   | 0.00   | 132.53 | 1350.00 |
| 5500.000   | 615.00  | 1061.61 | 0.00   | 8.01   | 0.00   | 103.81 | 980.00  |
| 5500.000   | 1095.00 | 1063.75 | 1.64   | 8.77   | 0.00   | 147.77 | 980.00  |
| 5500.000   | 1340.00 | 1063.56 | 0.51   | 8.51   | 0.00   | 163.76 | 980.00  |
| 5500.000   | 2120.00 | 1064.76 | 1.21   | 9.29   | 0.00   | 200.75 | 980.00  |
| * 6400.000 | 615.00  | 1064.73 | 0.72   | 4.72   | 0.00   | 30.66  | 900.00  |
| * 6400.000 | 1095.00 | 1067.71 | 1.48   | 4.76   | 0.00   | 123.74 | 900.00  |
| * 6400.000 | 1340.00 | 1068.28 | 0.66   | 4.72   | 0.00   | 130.98 | 900.00  |
| * 6400.000 | 2120.00 | 1069.48 | 1.70   | 4.71   | 0.00   | 169.19 | 900.00  |
| 6800.000   | 615.00  | 1069.91 | 0.00   | 3.57   | 0.00   | 67.26  | 400.00  |
| 6800.000   | 1095.00 | 1071.23 | 1.32   | 3.41   | 0.00   | 156.55 | 400.00  |
| 6800.000   | 1340.00 | 1071.64 | 0.41   | 3.36   | 0.00   | 184.33 | 400.00  |
| 6800.000   | 2120.00 | 1072.63 | 0.26   | 3.12   | 0.00   | 232.67 | 400.00  |
| 7200.000   | 615.00  | 1074.87 | 0.00   | 4.16   | 0.00   | 23.83  | 400.00  |
| * 7200.000 | 1095.00 | 1075.51 | 1.44   | 4.23   | 0.00   | 81.88  | 400.00  |
| * 7200.000 | 1340.00 | 1076.85 | 0.52   | 4.45   | 0.00   | 101.88 | 400.00  |
| * 7200.000 | 2120.00 | 1077.17 | 1.02   | 4.57   | 0.00   | 137.14 | 400.00  |
| 7500.000   | 615.00  | 1081.50 | 0.00   | 7.72   | 0.00   | 53.41  | 300.00  |
| 7500.000   | 1095.00 | 1082.32 | 1.23   | 7.71   | 0.00   | 73.56  | 300.00  |
| 7500.000   | 1340.00 | 1083.13 | 0.20   | 7.79   | 0.00   | 75.79  | 300.00  |
| 7500.000   | 2120.00 | 1084.11 | 0.26   | 6.74   | 0.00   | 83.83  | 300.00  |
| * 7750.000 | 615.00  | 1089.66 | 0.37   | 7.17   | 0.00   | 25.83  | 250.00  |
| * 7750.000 | 1095.00 | 1090.33 | 1.35   | 7.21   | 0.00   | 41.14  | 250.00  |
| * 7750.000 | 1340.00 | 1090.50 | 0.56   | 7.49   | 0.00   | 43.73  | 250.00  |
| * 7750.000 | 2120.00 | 1091.03 | 1.35   | 7.84   | 0.00   | 49.95  | 250.00  |

| SECT        | Q       | CWSEL   | DIFWSP | DIFWSY | DIFKWS | TOPWID | XLCH   |
|-------------|---------|---------|--------|--------|--------|--------|--------|
| 7960.000    | 610.00  | 1101.63 | 0.00   | 12.95  | 0.00   | 19.30  | 210.00 |
| * 7960.000  | 1285.00 | 1103.26 | 1.63   | 13.33  | 0.00   | 29.10  | 210.00 |
| * 7960.000  | 1320.00 | 1103.62 | 0.00   | 13.32  | 0.00   | 32.23  | 210.00 |
| * 7960.000  | 2040.00 | 1105.58 | 1.67   | 13.64  | 0.00   | 40.22  | 210.00 |
| 8700.000    | 610.00  | 1111.46 | 0.00   | 9.83   | 0.00   | 74.22  | 740.00 |
| 8700.000    | 1085.00 | 1113.03 | 1.57   | 0.77   | 0.00   | 95.46  | 740.00 |
| 8700.000    | 1320.00 | 1113.65 | 0.62   | 0.74   | 0.00   | 103.90 | 740.00 |
| 8700.000    | 2040.00 | 1115.37 | 1.61   | 0.69   | 0.00   | 125.35 | 740.00 |
| 9500.000    | 610.00  | 1117.83 | 0.00   | 4.77   | 0.00   | 28.62  | 800.00 |
| 9500.000    | 1085.00 | 1119.23 | 1.41   | 6.20   | 0.00   | 39.87  | 800.00 |
| 9500.000    | 1320.00 | 1119.77 | 0.54   | 6.12   | 0.00   | 44.20  | 800.00 |
| 9500.000    | 2040.00 | 1121.06 | 1.28   | 5.79   | 0.00   | 65.88  | 800.00 |
| 10200.000   | 610.00  | 1127.58 | 0.00   | 9.75   | 0.00   | 32.14  | 700.00 |
| 10200.000   | 1085.00 | 1129.30 | 1.72   | 0.97   | 0.00   | 40.46  | 700.00 |
| 10200.000   | 1320.00 | 1129.87 | 0.67   | 10.90  | 0.00   | 56.57  | 700.00 |
| 10200.000   | 2040.00 | 1131.48 | 1.61   | 10.42  | 0.00   | 83.06  | 700.00 |
| 10850.000   | 610.00  | 1136.60 | 0.00   | 0.02   | 0.00   | 62.49  | 650.00 |
| 10850.000   | 1085.00 | 1137.77 | 1.17   | 0.56   | 0.00   | 70.03  | 650.00 |
| 10850.000   | 1320.00 | 1138.75 | 0.48   | 0.38   | 0.00   | 73.47  | 650.00 |
| 10850.000   | 2040.00 | 1139.40 | 1.15   | 7.92   | 0.00   | 82.65  | 650.00 |
| 11700.000   | 610.00  | 1144.79 | 0.00   | 3.20   | 0.00   | 138.91 | 850.00 |
| 11700.000   | 1085.00 | 1145.06 | 1.16   | 3.19   | 0.00   | 178.19 | 850.00 |
| 11700.000   | 1320.00 | 1146.40 | 0.45   | 3.16   | 0.00   | 190.41 | 850.00 |
| 11700.000   | 2040.00 | 1147.58 | 1.18   | 3.19   | 0.00   | 222.33 | 850.00 |
| * 12470.000 | 610.00  | 1152.40 | 0.00   | 7.60   | 0.00   | 142.65 | 770.00 |
| * 12470.000 | 1085.00 | 1153.13 | 0.74   | 7.18   | 0.00   | 177.36 | 770.00 |
| * 12470.000 | 1320.00 | 1153.79 | 0.36   | 6.00   | 0.00   | 180.68 | 770.00 |
| * 12470.000 | 1940.00 | 1154.12 | 0.73   | 6.54   | 0.00   | 223.76 | 770.00 |
| 12720.000   | 610.00  | 1155.53 | 0.00   | 3.13   | 0.00   | 165.03 | 250.00 |
| 12720.000   | 1085.00 | 1156.43 | 0.90   | 3.20   | 0.00   | 183.76 | 250.00 |
| 12720.000   | 1295.00 | 1156.77 | 0.35   | 3.38   | 0.00   | 186.81 | 250.00 |
| 12720.000   | 1940.00 | 1157.53 | 0.76   | 3.41   | 0.00   | 193.49 | 250.00 |

FLOOD INSURANCE ZONE DATA FOR SANDY RUN

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

| SECTION NUMBER | CUMULATIVE DISTANCE | ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND | 10   | 2    | 2    |
|----------------|---------------------|---|------|------|------|
| 1.000          | 0                   | 1.17  | 0.63 | 1.99 | 1.99 |
| 2.000          | 2                   | 1.14  | 0.64 | 1.91 | 1.91 |
| 5.000          | 25                  | 1.14  | 0.64 | 1.91 | 1.91 |
| 15.000         | 11                  | 1.16  | 0.66 | 1.92 | 1.92 |
| 40.000         | 44                  | 1.17  | 0.67 | 1.92 | 1.92 |
| 115.000        | 115                 | 1.20  | 0.71 | 1.94 | 1.94 |
| 165.000        | 165                 | 1.20  | 0.64 | 2.04 | 2.04 |
| 235.000        | 235                 | 1.17  | 0.69 | 2.03 | 2.03 |
| 300.000        | 300                 | 1.14  | 0.68 | 1.98 | 1.98 |
| 380.000        | 380                 | 1.13  | 0.65 | 1.93 | 1.93 |
| 452.000        | 452                 | 1.11  | 0.67 | 1.91 | 1.91 |
| 550.000        | 550                 | 1.12  | 0.67 | 1.93 | 1.93 |
| 640.000        | 640                 | 1.11  | 0.61 | 1.91 | 1.91 |
| 680.000        | 680                 | 1.11  | 0.46 | 1.93 | 1.93 |
| 720.000        | 720                 | 1.11  | 0.61 | 1.96 | 1.96 |
| 755.000        | 755                 | 1.11  | 0.52 | 1.98 | 1.98 |
| 775.000        | 775                 | 1.11  | 0.52 | 1.98 | 1.98 |
| 796.000        | 796                 | 1.11  | 0.55 | 1.67 | 1.67 |
| 870.000        | 870                 | 1.12  | 0.62 | 1.61 | 1.61 |
| 950.000        | 950                 | 1.11  | 0.55 | 1.58 | 1.58 |
| 1020.000       | 1020                | 1.11  | 0.54 | 1.61 | 1.61 |
| 1085.000       | 1085                | 1.11  | 0.65 | 1.15 | 1.15 |
| 1170.000       | 1170                | 1.11  | 0.61 | 1.13 | 1.13 |
| 1247.000       | 1247                | 1.11  | 0.55 | 0.73 | 0.73 |
| 1272.000       | 1272                | 1.11  | 0.55 | 0.76 | 0.76 |

WEIGHTED AVG FOR REACH -2.05 -0.59 1.57

FHF FOR THE REACH = 0.20 WITH 93.7 PERCENT OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A-4