

HOWEY'S

BRANCH

THIS RUN EXECUTED 11 MAR 80 10:15:36

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

C HOWELLS BRANCH GOLDSBORO NC
Y1 FPM-FIS GWP 6MAR80
Y2 10 YR
Y3 HOWELLS BR GOLDSBORO NC

J1 ICHCK INO NINV IDIV STRT METRIC HVINS G WSEL FQ
0. 2. 0. 0.006000 0.00 0.0 0. 92.000 0.000

J2 NPROF IPLOT PRFVS XSECD 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 49.000 10.000 4.000 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 0.000

NC 0.100 0.080 0.050 0.200 0.400 0.000 0.000 0.000 0.000 0.000
QT 8.000 900.000 1275.000 1640.000 2600.000 1275.000 1275.000 1275.000 0.000 0.000

** SURVEY SEC 5, MODIFIED, ON STONEY CR **

X1 2970.000 22.000 1990.000 2013.000 0.000 0.000 0.000 0.000 0.000 0.000
GR 106.400 1650.000 101.200 1700.000 90.400 1799.000 87.000 1802.000 86.800 1813.000
GR 86.100 1815.000 86.200 1892.000 86.800 1900.000 88.000 1990.000 83.900 1993.000
GR 83.700 2000.000 81.300 2000.000 88.000 2013.000 86.100 2021.000 87.100 2100.000
GR 87.800 2300.000 89.500 2400.000 94.900 2425.000 96.300 2450.000 97.600 2472.000
GR 102.300 2500.000 104.000 2540.000 0.000 0.000 0.000 0.000 0.000 0.000

X1 2971.000 0.000 0.000 0.000 1.000 1.000 1.000 0.000 0.000 0.000

X1 2972.000 0.000 0.000 0.000 1.000 1.000 1.000 0.000 0.000 0.000

X1 2974.000 0.000 0.000 0.000 2.000 2.000 2.000 0.000 0.000 0.000

X1 2978.000 0.000 0.000 0.000 4.000 4.000 4.000 0.000 0.000 0.000

X1 2990.000 0.000 0.000 0.000 12.000 12.000 12.000 0.000 0.000 0.000

NC 0.060 0.080 0.050 0.000 0.000 0.000 0.000 0.000 0.000 0.000
QT 6.000 600.000 975.000 1340.000 2300.000 1340.000 1340.000 0.000 0.000 0.000

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ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1945.000	2056.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1840.000	2070.000

** SURVEY SEC 4, MOD. FOR EFF. FLOW FOR HOWELLS BR **

X1	330.000	26.000	1980.000	2018.000	340.000	380.000	460.000	0.000	0.000	0.000
GR	104.000	1430.000	102.000	1475.000	100.000	1510.000	98.000	1545.000	96.000	1580.000
GR	94.000	1610.000	92.000	1695.000	90.000	1725.000	85.300	1820.000	86.600	1897.000
GR	87.000	1907.000	88.100	1920.000	89.700	1980.000	83.100	1990.000	80.900	2004.000
GR	81.500	2013.000	89.600	2018.000	88.400	2120.000	90.000	2210.000	92.000	2225.000
GR	94.000	2245.000	96.000	2270.000	98.000	2285.000	100.000	2295.000	102.000	2315.000
GR	104.000	2340.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1870.000	2200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1870.000	2080.000

** SR 1556, WAYNE MEM DP; OVRKS FROM SEC 4 MOD FOR EFF. FLOW **

X1	370.000	27.000	1995.000	2006.000	40.000	40.000	40.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	89.300	89.300	0.000
GR	104.000	1430.000	102.000	1475.000	100.000	1510.000	98.000	1545.000	96.000	1580.000
GR	94.000	1610.000	92.000	1695.000	90.000	1725.000	85.300	1820.000	86.600	1897.000
GR	87.000	1907.000	88.100	1920.000	89.700	1980.000	89.000	1995.000	80.900	1995.100
GR	80.900	2005.900	89.000	2006.000	89.600	2018.000	88.400	2120.000	90.000	2210.000
GR	92.000	2225.000	94.000	2245.000	96.000	2270.000	98.000	2285.000	100.000	2295.000
GR	102.000	2315.000	104.000	2340.000	0.000	0.000	0.000	0.000	0.000	0.000
SR	1.000	1.640	2.500	0.000	11.000	0.010	99.000	0.000	81.700	80.900
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1870.000	2200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1975.000	2100.000

** SR 1556 ROWAY; OVRKS FM SEC 6 MOD. FOR EFF. FLOW **

X1	449.000	25.000	1995.000	2006.000	37.000	37.000	79.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	90.600	42.200	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	92.300	92.200	0.000
BT	19.000	1480.000	104.000	0.000	1530.000	102.000	0.000	1580.000	100.000	0.000
BT	1610.000	82.000	0.000	1640.000	96.000	0.000	1665.000	94.000	0.000	1675.000
BT	93.700	0.000	1790.000	93.200	0.000	1890.000	92.700	0.000	1995.000	92.300
BT	0.000	1995.000	92.300	90.600	2006.000	92.200	90.600	2006.000	92.200	0.000
BT	2090.000	92.200	0.000	2190.000	92.700	0.000	2250.000	93.800	0.000	2255.000
BT	94.000	0.000	2300.000	102.000	0.000	2360.000	104.000	0.000	0.000	0.000
GR	104.000	1480.000	102.000	1530.000	100.000	1580.000	98.000	1610.000	96.000	1640.000
GR	94.000	1665.000	93.700	1675.000	92.000	1760.000	90.000	1780.000	89.800	1790.000
GR	92.800	1890.000	90.300	1985.000	90.000	1995.000	81.700	1995.100	81.700	2005.900
GR	87.800	2006.000	87.900	2020.000	88.400	2090.000	89.900	2190.000	91.000	2240.000
GR	92.000	2245.000	93.800	2255.000	94.000	2255.000	102.000	2300.000	104.000	2360.000
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1850.000	2240.000
ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1945.000	2050.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1975.000	2100.000

** SEC 6 MOD FOR EFF FLOW **

X1	490.000	22.000	1985.000	2020.000	41.000	41.000	41.000	0.000	0.000	0.000
GR	104.000	1480.000	102.000	1530.000	100.000	1580.000	98.000	1610.000	96.000	1640.000
GR	94.000	1665.000	92.000	1760.000	90.000	1780.000	89.800	1790.000	92.600	1890.000
GR	90.300	1985.000	82.400	1990.000	82.100	2000.000	84.300	2015.000	87.900	2020.000
GR	88.400	2090.000	89.900	2190.000	91.000	2240.000	92.000	2245.000	94.000	2255.000
GR	102.000	2300.000	104.000	2360.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.060	0.060	0.070	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	1950.000	2050.000

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XI	630.000	22.000	1990.000	2010.000	180.000	70.000	140.000	0.000	0.000	10.000
GR	104.000	1490.000	102.000	1535.000	100.000	1590.000	98.000	1615.000	96.000	1645.000
GR	94.000	1680.000	93.100	1800.000	92.700	1805.000	90.600	1815.000	87.900	1900.000
GR	86.300	1990.000	85.000	2000.000	83.300	2005.000	86.000	2010.000	89.700	2100.000
GR	90.700	2200.000	90.100	2235.000	91.000	2240.000	92.000	2245.000	94.000	2255.000
GR	102.000	2300.000	104.000	2360.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.100	0.100	0.060	0.200	0.400	0.000	0.000	0.000	0.000	0.000
QT	6.000	600.000	950.000	1330.000	2250.000	1330.000	1330.000	1330.000	0.000	0.000

1000XXX TOPO SECTION

XI	1000.000	19.000	1150.000	1175.000	370.000	370.000	370.000	0.000	0.000	0.000
GR	100.000	750.000	98.000	750.000	96.000	830.000	94.000	870.000	92.000	1950.000
GR	90.000	1000.000	88.000	1085.000	87.500	1150.000	84.300	1151.000	84.000	1192.000
GR	85.500	1153.000	87.100	1154.000	87.300	1175.000	88.000	1360.000	90.000	1400.000
GR	94.000	1480.000	96.000	1500.000	100.000	1520.000	104.000	1580.000	0.000	0.000

1720XXX WHB-1 EXTENDED FROM 2FT TOP

XI	1720.000	26.000	1150.000	1175.000	720.000	720.000	720.000	0.000	0.000	0.000
GR	100.000	740.000	96.000	850.000	94.000	920.000	92.000	990.000	91.900	1000.000
GR	91.100	1025.000	90.100	1050.000	89.300	1075.000	89.000	1100.000	88.400	1125.000
GR	88.500	1150.000	85.300	1151.000	85.000	1152.000	86.500	1153.000	88.100	1154.000
GR	88.300	1175.000	88.800	1200.000	88.800	1275.000	88.800	1300.000	90.300	1325.000
GR	90.500	1350.000	92.000	1400.000	94.000	1450.000	96.000	1520.000	98.000	1580.000
GR	100.000	1635.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2300XXX TOPO SECTION TAKEN AT SCS DAMSITE NO 2

XI	2300.000	16.000	950.000	1000.000	580.000	580.000	580.000	0.000	0.000	0.000
GR	110.000	800.000	100.000	460.000	98.000	500.000	96.000	560.000	94.000	650.000
GR	92.000	690.000	90.000	750.000	89.000	780.000	88.600	995.000	87.000	1000.000
GR	87.500	1005.000	88.700	1006.000	84.000	1095.000	90.000	1100.000	100.000	1150.000
GR	110.000	1260.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2820XXX WHB-2 EXTENDED FROM TOP

XI	2820.000	23.000	1227.000	1245.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	100.000	750.000	94.000	790.000	96.000	840.000	94.000	890.000	92.000	940.000
GR	92.000	1000.000	90.600	1025.000	89.500	1050.000	88.800	1075.000	89.300	1100.000
GR	88.000	1125.000	88.900	1150.000	89.000	1175.000	89.000	1200.000	89.500	1227.000
GR	88.700	1235.000	88.400	1243.000	89.700	1245.000	89.000	1250.000	89.600	1275.000
GR	90.100	1300.000	91.100	1325.000	95.000	1400.000	0.000	0.000	0.000	0.000

3970XXX WHB-3 EXTENDED FROM TOPO MOD IS HIGH ON TOPO AND LAS

3970XXX DIFF ADJUSTED TO MATCH SURVEY

XI	3970.000	20.000	1117.000	1126.000	1150.000	1150.000	1150.000	0.000	0.500	0.000
GR	100.000	850.000	104.000	900.000	100.000	970.000	96.600	1000.000	91.200	1025.000
GR	92.000	1050.000	91.000	1075.000	92.000	1100.000	91.700	1117.000	90.000	1120.000
GR	90.200	1127.000	90.400	1125.000	91.600	1126.000	91.500	1150.000	91.600	1175.000
GR	91.700	1200.000	91.600	1225.000	91.700	1250.000	92.100	1275.000	96.000	1340.000
QT	6.000	550.000	850.000	1200.000	2020.000	1200.000	1200.000	0.000	0.000	0.000

4730XXX WHB-4

XI	4730.000	24.000	1200.000	1208.000	760.000	760.000	760.000	0.000	0.000	0.000
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GR	92,700	1,000,000	93,700	1,025,000	97,300	1,050,000	92,700	1,075,000	92,100	1,100,000
GR	94,000	1,150,000	93,700	1,175,000	93,300	1,200,000	92,700	1,201,000	92,100	1,204,000
GR	92,700	1,207,000	93,600	1,208,000	93,700	1,225,000	93,500	1,250,000	94,600	1,275,000
GR	93,700	1,300,000	93,500	1,325,000	93,800	1,350,000	94,000	1,375,000	94,200	1,400,000
GR	93,700	1,425,000	93,800	1,450,000	94,500	1,475,000	94,800	1,500,000	0,000	0,000

5885XXX WMB-5

X1	5885,000	25,000	1,159,000	1,170,000	1,155,000	1,155,000	1,155,000	0,000	0,000	0,000
GR	110,000	900,000	108,000	935,000	102,300	1,000,000	100,200	1,025,000	98,400	1,050,000
GR	97,300	1,075,000	95,900	1,100,000	95,400	1,125,000	95,300	1,150,000	95,300	1,159,000
GR	94,200	1,164,000	94,200	1,166,000	96,000	1,170,000	95,500	1,175,000	94,600	1,200,000
GR	95,200	1,225,000	94,900	1,250,000	95,200	1,275,000	94,900	1,300,000	94,900	1,300,000
GR	95,100	1,325,000	95,400	1,350,000	96,900	1,375,000	99,200	1,400,000	110,000	1,470,000
BT	6,000	520,000	800,000	1,200,000	1,900,000	1,200,000	1,200,000	0,000	0,000	0,000

6760XXX WMB-6

X1	6760,000	22,000	1,280,000	1,300,000	875,000	875,000	875,000	0,000	0,000	0,000
GR	110,000	940,000	103,400	1,000,000	100,100	1,025,000	99,800	1,050,000	99,400	1,075,000
GR	98,700	1,100,000	99,400	1,125,000	97,800	1,150,000	98,000	1,175,000	97,400	1,200,000
GR	97,000	1,225,000	95,700	1,250,000	97,500	1,275,000	97,900	1,280,000	94,500	1,291,000
GR	93,800	1,298,000	97,700	1,300,000	96,800	1,325,000	97,000	1,350,000	99,900	1,375,000
GR	103,000	1,400,000	110,000	1,500,000	0,000	0,000	0,000	0,000	0,000	0,000

7640XXX WMB-7 LOB TAKEN UP A DRAW NON-EFF FLOW WRITTEN OUT

X1	7640,000	21,000	1,250,000	1,275,000	880,000	880,000	880,000	0,000	0,000	0,000
GR	110,000	890,000	106,000	930,000	104,000	950,000	102,000	960,000	100,000	1,000,000
GR	98,000	1,010,000	97,900	1,050,000	98,100	1,075,000	98,100	1,100,000	96,600	1,125,000
GR	98,200	1,150,000	97,900	1,175,000	98,300	1,200,000	98,400	1,250,000	97,100	1,255,000
GR	96,000	1,259,000	97,100	1,268,000	98,500	1,275,000	99,700	1,300,000	102,500	1,320,000
GR	110,000	1,420,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	9,110	9,110	0,000	0,000	0,000	0,000	0,000	1,210,000	1,320,000

7900XXX T0P0

X1	7900,000	14,000	1,250,000	1,275,000	260,000	260,000	260,000	0,000	0,000	0,000
GR	100,000	1,030,000	104,000	1,060,000	102,000	1,090,000	100,000	1,100,000	98,000	1,160,000
GR	98,400	1,250,000	97,100	1,255,000	96,800	1,259,000	97,100	1,268,000	98,500	1,275,000
GR	99,000	1,450,000	100,000	1,470,000	102,000	1,490,000	110,000	1,530,000	0,000	0,000

7970XXX WMB-P 961523

X1	7970,000	18,000	1,134,000	1,152,000	70,000	70,000	70,000	0,000	0,000	0,000
X2	10,000	0,000	0,000	0,000	0,000	0,000	0,000	101,700	101,700	0,000
GR	110,000	900,000	102,000	1,000,000	100,000	1,025,000	98,200	1,075,000	98,400	1,100,000
GR	93,700	1,125,000	98,600	1,134,000	97,900	1,137,000	97,000	1,142,000	97,500	1,147,000
GR	97,600	1,150,000	98,700	1,152,000	98,500	1,175,000	98,600	1,300,000	99,300	1,318,000
GR	100,200	1,325,000	102,000	1,350,000	100,000	1,410,000	0,000	0,000	0,000	0,000
SR	1,250	2,000	2,500	0,000	16,000	2,500	67,000	0,000	96,900	97,500

X1	8020,000	0,000	0,000	0,000	50,000	50,000	50,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	102,400	105,900	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	105,900	105,900	0,000
BT	8,000	900,000	110,000	0,000	920,000	108,000	0,000	1,000,000	106,800	0,000
BT	1070,000	108,000	0,000	1,134,000	1,25,900	1,02,400	1,152,000	1,03,900	1,02,400	1,245,000
BT	108,400	0,000	1,410,000	110,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	6,000	500,000	750,000	1,070,000	1,825,000	1,070,000	1,070,000	0,000	0,000	0,000
ET	0,000	9,110	9,110	0,000	0,000	0,000	0,000	0,000	1,100,000	1,200,000

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8070XXX WHB-9

X1	8070.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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8240XXX TOPO

X1	8240.000	13.000	1134.000	1152.000	170.000	170.000	170.000	0.000	0.000	0.000
GR	110.000	900.000	108.000	930.000	104.000	960.000	102.000	1050.000	99.000	1070.000
GR	98.600	1134.000	97.900	1137.000	97.000	1142.000	97.500	1147.000	97.600	1150.000
GR	98.700	1152.000	99.000	1280.000	110.000	1430.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	0.000	0.000	0.000	0.000	0.000	0.000	1090.000	1200.000

X1	8360.000	0.000	0.000	0.000	120.000	120.000	120.000	0.000	0.000	0.000
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8410XXX WHB-10 WOODS RD

X1	8410.000	11.000	1156.000	1177.000	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	103.500	103.500	0.000
GR	107.000	900.000	102.000	1140.000	100.000	1150.000	99.000	1156.000	94.200	1160.000
GR	94.200	1176.000	99.000	1177.000	100.000	1190.000	102.000	1200.000	104.000	1300.000
GR	107.000	1350.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	1.310	2.500	0.000	18.000	0.000	154.000	0.160	94.200	94.200

X1	8430.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	102.200	105.300	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	105.300	105.300	0.000
BT	7.000	900.000	107.000	0.000	475.000	105.500	0.000	1150.000	105.400	0.000
BT	1156.000	105.300	102.200	1177.000	105.300	102.200	1275.000	105.500	0.000	1390.000
BT	107.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

8530XXX TOPO

X1	8530.000	13.000	1134.000	1150.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	110.000	870.000	104.000	910.000	102.000	1040.000	99.000	1070.000	99.000	1134.000
GR	97.300	1138.000	97.300	1142.000	97.600	1146.000	99.000	1150.000	99.000	1240.000
GR	100.000	1300.000	104.000	1350.000	110.000	1370.000	0.000	0.000	0.000	0.000

8770XXX WHB-11

X1	8770.000	15.000	1134.000	1150.000	240.000	240.000	240.000	0.000	0.000	0.000
GR	110.000	960.000	102.000	1000.000	101.500	1025.000	100.000	1050.000	99.100	1075.000
GR	99.000	1100.000	99.100	1134.000	97.300	1138.000	97.300	1142.000	97.600	1146.000
GR	99.000	1150.000	99.200	1300.000	100.500	1325.000	103.000	1350.000	110.000	1380.000

8800XXXXXXXXX HOWELLS BR TRIB CONFLUENCE & UPPER STUDY LIMIT XXXXXXY

X1	8800.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
BT	6.000	200.000	450.000	600.000	230.000	600.000	600.000	0.000	0.000	0.000

270XXX WHB1-1 APPROX STDY IN IWS REPORT

X1	270.000	15.000	1107.000	1117.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	103.900	1000.000	100.600	1011.000	100.300	1025.000	100.700	1050.000	100.500	1075.000
GR	100.700	1100.000	100.500	1107.000	99.400	1109.000	98.300	1112.000	99.600	1116.000
GR	100.600	1117.000	100.300	1125.000	101.200	1150.000	103.300	1175.000	104.000	1185.000

PRINTED IN U.S.A.

760XXX WHBT-2

X1	760,000	15,000	1050,000	1067,000	490,000	490,000	490,000	0,000	10,000	10,000
GR	108,900	1000,000	106,200	1025,000	103,300	1041,000	102,500	1050,000	102,100	1056,000
GR	101,600	1059,000	102,300	1062,000	102,500	1067,000	102,500	1075,000	102,900	1100,000
GR	102,400	1125,000	102,100	1150,000	101,900	1175,000	103,500	1200,000	110,000	1235,000

1250XX WHBT-3

X1	1250,000	10,000	1050,000	1060,000	490,000	490,000	490,000	0,000	10,000	10,000
GR	110,000	965,000	105,100	1025,000	104,200	1050,000	102,900	1052,000	102,600	1056,000
GR	103,200	1059,000	103,000	1060,000	103,800	1075,000	103,800	1151,000	108,400	1175,000

X1	1500,000	9,000	995,000	1008,000	250,000	250,000	250,000	0,000	10,000	10,000
GR	112,000	800,000	108,000	850,000	106,000	900,000	105,400	995,000	103,300	997,000
GR	103,300	1003,000	105,400	1008,000	106,000	1030,000	114,000	1070,000	10,000	10,000

1990XX WHBT-4

X1	1990,000	15,000	1133,000	1140,000	450,000	450,000	450,000	0,000	10,000	10,000
GR	113,800	1000,000	111,900	1008,000	111,100	1025,000	109,800	1050,000	109,300	1075,000
GR	108,500	1100,000	108,400	1125,000	108,100	1133,000	105,000	1135,000	105,400	1138,000
GR	108,300	1140,000	108,200	1150,000	108,400	1158,000	112,800	1175,000	114,800	1200,000
EJ	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	10,000

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR = 01,02,03
MODIFICATION = 50,51,52,53

T1 FPM-FIS GWP6MAR80
T2 50 YR
T3 HOWELLS BR GOLDSBORO NC

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FO
	0.	3.	0.	0.	0.006000	0.00	0.0	0.	92.000	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	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 11 MAR 80 10:16:16

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

T1 FPM-FIS GWP6MAR80
T2 100 YR
T3 HOWELLS RR

J1	ICHECK	IND	NINV	IDIR	SIRT	PETRIC	HVINS	Q	WSEL	FR
	0.	4.	0.	0.	0.006000	0.00	0.0	0.	92.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRK	CHNIM	ITRACE
	5.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 11 MAR 80 10:16:28

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979

ERROR CORR - 01,02,03

MODIFICATION - 50,51,52,53

T1 FPM-F18
T2 .500 YR
T3 HOWELLS BR

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FO
	0.	5.	0.	0.	0.006000	0.00	0.0	0.	92.000	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALI.DC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR = 01,02,03
 MODIFICATION = 50,51,52,53

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

HOWELLS BR GOLDSBORO NC

SUMMARY PRINTOUT

SFCNO	CWSEL	EG	FLMIN	CLASS	HV	TOPWID
2970.000	87.77	87.98	81.30	0.00	0.21	470.40
2970.000	88.12	88.31	81.30	0.00	0.19	516.75
2970.000	88.39	88.57	81.30	0.00	0.18	533.85
2970.000	88.96	89.14	81.30	0.00	0.18	567.92
2971.000	87.78	87.99	81.30	0.00	0.21	472.59
2971.000	88.13	88.32	81.30	0.00	0.19	517.13
2971.000	88.40	88.58	81.30	0.00	0.18	534.24
2971.000	88.97	89.15	81.30	0.00	0.18	568.28
2972.000	87.79	87.99	81.30	0.00	0.20	475.97
2972.000	88.14	88.32	81.30	0.00	0.18	517.69
2972.000	88.41	88.58	81.30	0.00	0.18	534.76
2972.000	88.98	89.16	81.30	0.00	0.18	568.74
2974.000	87.81	88.01	81.30	0.00	0.19	481.44
2974.000	88.16	88.34	81.30	0.00	0.18	518.70
2974.000	88.42	88.60	81.30	0.00	0.17	535.65
2974.000	88.99	89.17	81.30	0.00	0.18	569.58
2978.000	87.86	88.03	81.30	0.00	0.17	490.63
2978.000	88.20	88.38	81.30	0.00	0.16	520.98
2978.000	88.46	88.62	81.30	0.00	0.16	537.36
2978.000	89.02	89.19	81.30	0.00	0.17	571.20
2990.000	87.96	88.09	81.30	0.00	0.19	502.99
2990.000	88.29	88.47	81.30	0.00	0.15	527.52
2990.000	88.55	88.69	81.30	0.00	0.14	543.36
2990.000	89.10	89.26	81.30	0.00	0.15	576.08
330.000	88.92	89.04	80.90	0.00	0.13	42.07
330.000	89.54	89.81	80.90	0.00	0.27	100.28
330.000	89.51	89.81	80.90	0.00	0.10	336.90
330.000	90.08	90.17	80.90	0.00	0.10	486.79
370.000	88.62	89.41	80.90	0.00	0.79	10.99
370.000	89.82	89.93	80.90	0.00	0.11	330.00
370.000	89.45	89.82	80.90	0.00	0.37	279.97
370.000	90.15	90.24	80.90	0.00	0.09	488.29

SECNO	CWSEL	EG	ELMIN	CLASS	HV	TOPWID
449.000	88.63	89.61	81.70	1.00	0.98	10.98
449.000	92.22	92.25	81.70	30.00	0.03	205.00
449.000	92.77	92.80	81.70	30.00	0.03	330.00
449.000	93.55	93.58	81.70	30.00	0.03	570.16
490.000	89.78	89.88	82.10	0.00	0.10	64.67
490.000	92.20	92.29	82.10	0.00	0.09	105.00
490.000	92.79	92.82	82.10	0.00	0.03	410.00
490.000	93.58	93.59	82.10	0.00	0.03	566.90
630.000	89.96	89.98	83.30	0.00	0.02	290.32
630.000	92.32	92.33	83.30	0.00	0.01	439.83
630.000	92.83	92.84	83.30	0.00	0.01	448.81
630.000	93.61	93.63	83.30	0.00	0.02	526.70
1000.000	90.16	90.17	84.00	0.00	0.01	445.70
1000.000	92.37	92.37	84.00	0.00	0.00	520.52
1000.000	92.89	92.89	84.00	0.00	0.01	554.60
1000.000	93.71	93.72	84.00	0.00	0.01	595.18
1720.000	90.84	90.86	85.00	0.00	0.02	329.77
1720.000	92.54	92.55	85.00	0.00	0.01	442.46
1720.000	93.10	93.12	85.00	0.00	0.02	476.14
1720.000	94.04	94.06	85.00	0.00	0.02	532.63
2300.000	91.37	91.40	87.00	0.00	0.01	397.94
2300.000	92.76	92.77	87.00	0.00	0.01	439.12
2300.000	93.36	93.37	87.00	0.00	0.01	454.11
2300.000	94.39	94.41	87.00	0.00	0.02	489.67
2820.000	91.71	91.73	88.40	0.00	0.01	347.36
2820.000	92.96	92.97	88.40	0.00	0.01	492.61
2820.000	93.58	93.59	88.40	0.00	0.01	535.92
2820.000	94.67	94.69	88.40	0.00	0.02	612.09
3970.000	93.64	93.68	90.50	0.00	0.05	276.24
3970.000	94.18	94.23	90.50	0.00	0.05	288.01
3970.000	94.81	94.87	90.50	0.00	0.06	301.24
3970.000	95.98	96.05	90.50	0.00	0.07	326.01
4730.000	95.62	95.63	92.10	0.00	0.01	395.01
4730.000	96.13	96.15	92.10	0.00	0.02	411.76
4730.000	96.62	96.64	92.10	0.00	0.02	428.08
4730.000	97.63	97.66	92.10	0.00	0.03	452.30
5885.000	97.30	97.31	94.20	0.00	0.02	304.28
5885.000	97.85	97.88	94.20	0.00	0.02	323.26
5885.000	98.40	98.44	94.20	0.00	0.03	341.41
5885.000	99.42	99.46	94.20	0.00	0.04	365.62
6760.000	98.92	98.96	93.80	0.00	0.04	250.16
6760.000	99.52	99.56	93.80	0.00	0.04	304.14
6760.000	100.13	100.18	93.80	0.00	0.05	351.66
6760.000	101.10	101.16	93.80	0.00	0.06	365.25

SECNO	CWSEL	EG	ELMTN	CLASS	HV	TOPWTD
7640.000	100.25	100.26	96.00	0.00	0.02	308.76
7640.000	100.86	100.88	96.00	0.00	0.02	325.21
7640.000	101.53	101.56	96.00	0.00	0.03	343.60
7640.000	102.49	102.52	96.00	0.00	0.04	362.29
7900.000	100.63	100.72	96.80	0.00	0.09	110.00
7900.000	101.25	101.38	96.80	0.00	0.13	110.00
7900.000	101.79	101.81	96.80	0.00	0.02	396.78
7900.000	102.76	102.78	96.80	0.00	0.03	415.10
* 7970.000	100.57	102.06	97.00	0.00	1.50	18.00
* 7970.000	101.82	101.83	97.00	0.00	0.01	345.24
7970.000	101.85	101.88	97.00	0.00	0.03	346.10
7970.000	102.82	102.86	97.00	0.00	0.04	366.50
* 8020.000	101.95	102.64	97.00	2.00	0.69	18.00
* 8020.000	106.07	106.07	97.00	30.00	0.00	431.47
* 8020.000	106.93	106.93	97.00	30.00	0.00	448.61
8020.000	107.68	107.69	97.00	30.00	0.01	463.72
8070.000	102.33	102.86	97.00	0.00	0.03	100.00
8070.000	106.06	106.08	97.00	0.00	0.02	100.00
8070.000	106.93	106.93	97.00	0.00	0.03	448.61
8070.000	107.68	107.69	97.00	0.00	0.01	463.70
8240.000	102.91	102.91	97.00	0.00	0.00	324.09
8240.000	106.10	106.10	97.00	0.00	0.00	432.44
8240.000	106.94	106.94	97.00	0.00	0.00	450.26
8240.000	107.70	107.71	97.00	0.00	0.01	466.35
8360.000	102.93	102.93	97.00	0.00	0.02	110.00
8360.000	106.10	106.11	97.00	0.00	0.00	432.80
8360.000	106.94	106.95	97.00	0.00	0.00	450.27
8360.000	107.71	107.72	97.00	0.00	0.01	466.59
8410.000	102.90	103.04	94.20	0.00	0.13	21.00
8410.000	106.10	106.12	94.20	0.00	0.02	192.21
8410.000	106.94	106.96	94.20	0.00	0.02	446.40
8410.000	107.71	107.74	94.20	0.00	0.03	450.00
8430.000	102.93	103.12	94.20	10.00	0.13	21.00
8430.000	106.19	106.21	94.20	30.00	0.01	398.16
8430.000	107.00	107.02	94.20	30.00	0.02	450.00
8430.000	107.80	107.82	94.20	30.00	0.03	450.00
8530.000	103.17	103.17	97.30	0.00	0.00	375.61
8530.000	106.21	106.21	97.30	0.00	0.00	462.08
8530.000	107.03	107.03	97.30	0.00	0.00	470.25
8530.000	107.84	107.85	97.30	0.00	0.01	478.31
8770.000	103.20	103.20	97.30	0.00	0.00	353.07
8770.000	106.22	106.22	97.30	0.00	0.00	382.89
8770.000	107.04	107.04	97.30	0.00	0.00	398.96
8770.000	107.86	107.87	97.30	0.00	0.01	398.96

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SECNO	CWSEL	EG	EUMIN	CLASS	HV	TOPMID
8800.000	103.20	103.21	97.30	0.00	0.00	353.11
8800.000	106.22	106.22	97.30	0.00	0.00	382.82
8800.000	107.04	107.05	97.30	0.00	0.00	390.90
8800.000	107.86	107.87	97.30	0.00	0.01	398.99
270.000	103.24	103.25	98.30	0.00	0.00	172.01
270.000	104.24	106.24	98.30	0.00	0.00	185.00
270.000	107.06	107.06	98.30	0.00	0.01	185.00
270.000	107.90	107.90	98.30	0.00	0.01	185.00
760.000	103.54	103.57	101.60	0.00	0.03	160.61
760.000	106.31	106.32	101.60	0.00	0.01	191.16
760.000	107.14	107.15	101.60	0.00	0.01	203.27
760.000	107.99	108.00	101.60	0.00	0.01	215.73
1250.000	105.25	105.29	102.60	0.00	0.03	135.52
1250.000	106.60	106.63	102.60	0.00	0.03	158.98
1250.000	107.30	107.41	102.60	0.00	0.03	172.64
1250.000	108.23	108.26	102.60	0.00	0.03	187.49
1500.000	106.34	106.49	103.30	0.00	0.15	140.31
1500.000	107.23	107.34	103.30	0.00	0.11	167.15
1500.000	107.84	107.92	103.30	0.00	0.00	185.14
1500.000	108.61	108.67	103.30	0.00	0.07	200.61
1990.000	109.62	109.73	105.00	0.00	0.10	104.03
1990.000	110.29	110.44	105.00	0.00	0.15	124.82
1990.000	110.48	110.68	105.00	0.00	0.20	129.16
1990.000	110.79	111.04	105.00	0.00	0.26	136.10

HOWELLS DR GOLDSBORO NC

SUMMARY PRINTOUT

SFCNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
2970.000	87.77	250.37	451.40	198.23	1.37	5.01	1.23
2970.000	88.12	377.56	510.20	307.22	1.53	5.20	1.46
2970.000	88.39	499.50	561.43	579.08	1.68	5.39	1.66
2970.000	88.96	806.20	682.74	1111.06	1.99	5.82	2.05
2971.000	87.78	250.80	449.75	199.46	1.36	4.98	1.22
2971.000	88.13	377.89	508.33	388.78	1.52	5.17	1.46
2971.000	88.40	499.72	559.59	580.69	1.67	5.36	1.66
2971.000	88.97	806.23	681.10	1112.67	1.98	5.80	2.05
2972.000	87.79	251.45	447.21	201.35	1.36	4.94	1.21
2972.000	88.14	378.34	505.60	391.06	1.51	5.13	1.45
2972.000	88.41	500.01	557.07	582.92	1.66	5.33	1.65
2972.000	88.98	806.28	678.98	1114.74	1.97	5.77	2.04
2974.000	87.81	252.55	442.59	204.86	1.34	4.87	1.20
2974.000	88.16	379.13	500.75	395.11	1.50	5.07	1.44
2974.000	88.42	500.46	552.68	586.86	1.65	5.27	1.64
2974.000	88.99	806.36	675.17	1118.48	1.96	5.72	2.03
2978.000	87.86	255.71	424.89	219.40	1.28	4.60	1.17
2978.000	88.20	380.83	490.06	404.11	1.47	4.92	1.42
2978.000	88.46	501.28	544.51	594.21	1.62	5.16	1.62
2978.000	89.02	806.48	667.90	1125.58	1.94	5.63	2.01
2990.000	87.96	250.77	399.84	240.39	1.20	4.24	1.12
2990.000	88.29	385.04	461.47	428.49	1.38	4.53	1.35
2990.000	88.55	503.73	517.53	618.74	1.54	4.80	1.55
2990.000	89.10	806.67	647.12	1146.21	1.87	5.37	1.94
330.000	88.92	0.06	599.98	0.00	0.15	2.87	0.00
330.000	89.54	6.84	465.64	2.52	0.60	4.16	0.30
330.000	89.51	557.40	731.30	91.30	1.75	3.17	0.59
330.000	90.04	1281.92	851.07	167.01	1.27	3.37	0.88
370.000	88.62	0.00	600.00	0.00	0.00	7.17	0.00
370.000	89.82	467.37	350.12	157.51	2.17	3.00	1.07
370.000	89.85	637.53	583.36	119.11	2.72	6.01	1.87
370.000	90.15	1719.20	331.57	249.22	2.41	3.25	1.17
449.000	88.63	0.00	600.00	0.00	0.00	7.94	0.00
449.000	92.22	0.00	189.72	775.28	0.00	1.65	1.16
449.000	92.77	105.79	211.61	1022.60	0.66	1.75	1.31
449.000	93.55	501.20	232.80	1515.88	0.88	1.24	1.02
490.000	89.78	0.00	500.00	50.67	0.00	2.70	1.02
490.000	92.20	40.65	761.18	173.19	0.72	2.50	1.32
490.000	92.79	79.22	541.19	719.50	1.42	1.72	0.89
490.000	93.56	418.58	724.86	1156.56	0.72	2.12	1.17
630.000	89.96	309.61	125.25	165.13	0.96	1.27	0.86
630.000	92.32	481.50	111.10	381.96	0.65	0.71	0.55
630.000	92.83	653.15	139.80	547.01	0.78	0.90	0.67
630.000	93.61	1103.09	214.27	982.64	1.11	1.25	0.98

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SECNO	CWSEL	WLOR	OCH	OROR	VLOR	VCH	VROR
1000.000	90.16	144.54	100.23	355.23	0.56	1.23	0.64
1000.000	92.37	200.13	114.90	554.89	0.43	0.84	0.47
1000.000	92.89	404.92	153.54	771.55	0.52	1.02	0.58
1000.000	93.71	716.01	243.79	1290.20	0.73	1.43	0.82
1720.000	90.34	175.65	138.23	286.12	0.92	1.88	0.93
1720.000	92.54	307.54	159.70	482.76	0.70	1.37	0.72
1720.000	93.10	441.49	207.31	681.20	0.81	1.59	0.88
1720.000	94.04	775.34	315.32	1159.34	1.04	2.05	1.10
2300.000	91.37	398.77	50.91	150.32	0.62	1.33	0.63
2300.000	92.76	648.52	63.46	238.02	0.61	1.22	0.62
2300.000	93.36	915.21	82.85	331.93	0.73	1.43	0.74
2300.000	94.39	1565.08	127.51	557.42	0.97	1.86	0.98
2820.000	91.71	422.62	76.27	101.12	0.80	1.45	0.65
2820.000	92.96	649.50	104.10	196.39	0.74	1.38	0.60
2820.000	93.58	898.83	136.14	295.03	0.83	1.58	0.68
2820.000	94.67	1491.20	207.04	551.76	1.03	1.95	0.82
3970.000	93.64	212.86	74.36	312.79	1.41	3.15	1.37
3970.000	94.18	339.28	97.40	513.32	1.64	3.41	1.59
3970.000	94.81	475.37	118.38	736.25	1.74	3.47	1.69
3970.000	95.98	800.19	169.19	1280.62	2.00	3.79	1.93
4730.000	95.62	104.30	46.15	399.55	0.78	1.89	0.81
4730.000	96.13	168.65	60.17	621.18	0.91	2.11	0.97
4730.000	96.62	250.28	75.25	874.47	1.02	2.32	1.12
4730.000	97.63	463.26	106.71	1450.02	1.20	2.64	1.25
5885.000	97.30	90.52	47.06	403.43	0.79	1.70	0.94
5885.000	97.86	169.30	67.55	613.15	0.96	1.99	1.12
5885.000	98.40	255.09	90.32	853.79	1.10	2.26	1.28
5885.000	99.02	476.57	140.24	1403.19	1.36	2.75	1.56
6760.000	98.92	278.40	124.91	116.64	1.12	2.61	1.68
6760.000	99.52	456.33	155.40	188.27	1.24	2.82	1.26
6760.000	100.13	720.94	193.57	285.48	1.40	3.10	1.47
6760.000	101.10	1207.08	242.21	450.70	1.56	3.27	1.66
7600.000	100.25	380.60	120.33	14.58	0.73	1.61	0.49
7600.000	100.86	597.64	171.11	31.24	0.89	1.84	0.64
7600.000	101.52	907.78	233.43	54.39	1.06	2.13	0.80
7600.000	102.49	1451.40	335.70	112.40	1.23	2.31	1.00
7900.000	100.63	138.91	258.73	126.40	1.05	3.16	1.46
7900.000	101.25	213.16	378.27	210.57	1.23	3.64	1.74
7900.000	101.79	464.41	512.43	510.17	0.94	1.91	0.87
7900.000	102.76	741.96	800.71	887.33	1.13	2.22	1.07
7970.000	100.57	0.00	520.00	0.00	0.00	9.22	0.00
7970.000	101.82	258.57	114.18	427.25	0.73	1.51	0.75
7970.000	101.85	388.33	170.55	641.12	1.08	2.24	1.12
7970.000	102.82	634.99	242.53	1012.48	1.29	2.59	1.33

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SECNO	CWSEL	QLOB	DCH	OROR	VLOR	VCH	VROR
* 8020.000	101.95	0.00	520.00	0.00	0.00	6.67	0.00
* 8020.000	106.07	285.83	83.23	430.94	0.28	0.55	0.29
* 8020.000	106.93	434.49	120.44	645.08	0.36	0.72	0.39
8020.000	107.68	695.49	185.34	1019.16	0.52	1.02	0.55
8070.000	102.83	132.40	174.21	193.39	0.91	1.86	0.94
8070.000	106.06	203.64	245.41	300.90	0.80	1.62	0.83
8070.000	106.93	387.42	107.39	575.19	0.33	0.64	0.34
8070.000	107.68	668.03	178.04	978.94	0.50	0.98	0.53
8240.000	102.91	141.33	86.70	271.97	0.43	0.91	0.44
8240.000	106.10	253.77	97.09	399.14	0.29	0.64	0.31
8240.000	106.94	374.13	130.97	564.91	0.36	0.78	0.39
8240.000	107.70	653.45	213.59	957.96	0.55	1.18	0.58
8360.000	102.93	159.23	167.69	173.08	0.86	1.76	0.86
8360.000	106.10	253.96	96.97	399.06	0.29	0.63	0.31
8360.000	106.94	374.20	130.92	564.88	0.36	0.78	0.39
8360.000	107.71	653.67	213.45	957.89	0.55	1.18	0.58
8410.000	102.90	0.00	500.00	0.00	0.00	2.93	0.00
8410.000	106.10	186.84	334.78	228.38	0.38	1.41	0.47
8410.000	106.94	308.62	408.69	352.68	0.45	1.60	0.57
8410.000	107.71	602.15	600.62	622.24	0.60	2.21	0.82
8430.000	102.99	0.00	500.00	0.00	0.00	2.90	0.00
8430.000	106.19	198.25	328.92	230.83	0.37	1.37	0.46
8430.000	107.00	312.03	403.67	354.30	0.44	1.57	0.56
8430.000	107.80	609.37	591.64	623.49	0.67	2.16	0.81
8530.000	103.17	151.78	74.25	273.96	0.39	0.86	0.42
8530.000	106.21	281.43	79.30	388.77	0.26	0.59	0.31
8530.000	107.03	418.47	107.17	546.36	0.33	0.73	0.38
8530.000	107.84	731.38	173.74	919.88	0.50	1.08	0.57
8770.000	103.20	152.95	66.65	280.37	0.36	0.77	0.38
8770.000	106.22	251.51	78.51	420.01	0.29	0.58	0.31
8770.000	107.04	364.19	107.56	598.25	0.37	0.74	0.39
8770.000	107.86	629.00	177.31	1018.65	0.56	1.10	0.59
8800.000	103.20	152.98	66.65	280.37	0.36	0.77	0.38
8800.000	106.22	251.47	78.51	420.02	0.29	0.58	0.31
8800.000	107.04	364.14	107.60	598.26	0.37	0.74	0.39
8800.000	107.86	629.03	177.29	1018.63	0.56	1.10	0.59
270.000	103.24	120.14	36.85	42.01	0.45	0.92	0.39
270.000	106.24	266.11	57.86	126.02	0.45	0.83	0.41
270.000	107.06	353.04	73.55	173.41	0.52	0.94	0.48
270.000	107.90	486.31	97.94	245.75	0.63	1.13	0.58
760.000	103.54	4.19	44.95	150.86	0.70	1.95	1.05
760.000	106.31	27.36	74.63	343.01	0.49	1.14	0.64
760.000	107.14	42.96	102.61	450.03	0.53	1.27	0.69
760.000	107.99	68.12	137.70	624.16	0.61	1.40	0.79

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SECNO	CWSEL	RLDR	QCH	GRDB	VLOB	VCH	VRDB
1250.000	105.25	8.84	49.33	141.83	0.58	2.21	1.03
1250.000	106.60	52.28	79.85	317.88	0.84	2.24	1.15
1250.000	107.38	86.56	95.58	417.86	0.86	2.20	1.16
1250.000	108.23	140.57	121.02	568.41	0.94	2.33	1.25
1500.000	106.34	61.85	123.85	14.30	0.99	3.84	0.99
1500.000	107.23	228.70	168.87	52.43	1.38	3.85	1.39
1500.000	107.84	339.98	182.53	77.49	1.39	3.53	1.40
1500.000	108.61	510.28	205.92	113.80	1.42	3.34	1.41
1990.000	109.62	73.08	89.24	37.68	1.19	3.57	1.38
1990.000	110.29	218.09	141.03	90.88	1.84	4.75	2.10
1990.000	110.48	304.97	173.25	121.78	2.24	5.59	2.53
1990.000	110.79	447.83	213.17	169.00	2.70	6.44	3.01

HOWELLS BR GOLDSBORO NC

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPKID
2970.000	87.77	1801.32	1990.00	2013.00	2291.70	470.40
2970.000	88.12	1801.01	1990.00	2013.00	2318.92	516.75
2970.000	88.39	1800.77	1990.00	2013.00	2334.67	533.85
2970.000	88.96	1800.27	1990.00	2013.00	2368.19	567.92
2971.000	87.78	1801.31	1990.00	2013.00	2293.40	472.59
2971.000	88.13	1801.00	1990.00	2013.00	2319.28	517.13
2971.000	88.40	1800.77	1990.00	2013.00	2335.02	534.24
2971.000	88.97	1800.27	1990.00	2013.00	2368.54	568.28
2972.000	87.79	1801.31	1990.00	2013.00	2296.04	475.97
2972.000	88.14	1801.00	1990.00	2013.00	2319.79	517.69
2972.000	88.41	1800.76	1990.00	2013.00	2335.52	534.76
2972.000	88.98	1800.26	1990.00	2013.00	2369.00	568.74
2974.000	87.81	1801.29	1990.00	2013.00	2300.17	481.40
2974.000	88.16	1800.98	1990.00	2013.00	2320.72	518.70
2974.000	88.42	1800.75	1990.00	2013.00	2336.40	535.65
2974.000	88.99	1800.25	1990.00	2013.00	2369.82	569.58
2978.000	87.86	1801.20	1990.00	2013.00	2303.78	490.03
2978.000	88.26	1800.95	1990.00	2013.00	2322.81	520.98
2978.000	88.46	1800.72	1990.00	2013.00	2338.08	537.36
2978.000	89.02	1800.22	1990.00	2013.00	2371.42	571.20
2990.000	87.96	1801.16	1990.00	2013.00	2309.20	502.59
2990.000	88.29	1800.86	1990.00	2013.00	2328.84	527.52
2990.000	88.55	1800.65	1990.00	2013.00	2344.00	543.56
2990.000	89.10	1800.15	1990.00	2013.00	2376.23	576.08
330.000	88.92	1945.00	1980.00	2018.00	2017.58	42.67
330.000	89.54	1945.00	1980.00	2018.00	2056.00	100.28
330.000	89.51	1830.00	1980.00	2018.00	2102.31	336.90
330.000	90.08	1723.80	1980.00	2018.00	2210.60	486.79
370.000	88.62	1995.00	1995.00	2006.00	2006.00	10.99
370.000	89.82	1870.00	1995.00	2006.00	2200.00	330.00
370.000	89.45	1870.00	1995.00	2006.00	2179.82	279.97
370.000	90.15	1722.81	1995.00	2006.00	2211.10	408.29
449.000	88.63	1995.02	1995.00	2006.00	2006.00	10.97
449.000	92.22	1995.00	1995.00	2006.00	2200.00	205.06
449.000	92.77	1870.00	1995.00	2006.00	2200.00	330.00
449.000	93.55	1682.58	1995.00	2006.00	2252.74	576.15
490.000	89.78	1985.33	1985.00	2020.00	2050.00	64.87
490.000	92.20	1945.00	1985.00	2020.00	2050.00	105.00
490.000	92.79	1830.00	1985.00	2020.00	2240.60	410.06
490.000	93.56	1685.90	1985.00	2020.00	2252.80	566.90
630.000	89.96	1845.26	1990.00	2010.00	2125.60	290.32
630.000	92.32	1806.79	1990.00	2010.00	2246.82	439.83
630.000	92.83	1803.35	1990.00	2010.00	2249.16	445.81
630.000	93.81	1732.54	1990.00	2010.00	2253.09	520.70

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SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWIN
1000.000	90.16	995.93	1150.00	1175.00	1441.63	445.70
1000.000	92.37	935.19	1150.00	1175.00	1463.70	528.52
1000.000	92.89	914.32	1150.00	1175.00	1468.92	554.60
1000.000	93.71	881.85	1150.00	1175.00	1477.04	595.18
1720.000	90.84	1031.53	1150.00	1175.00	1361.30	329.77
1720.000	92.54	971.07	1150.00	1175.00	1413.52	442.46
1720.000	93.10	951.42	1150.00	1175.00	1427.56	476.14
1720.000	94.04	918.68	1150.00	1175.00	1451.72	512.63
2300.000	91.37	708.91	996.00	1006.00	1106.85	397.94
2300.000	92.76	674.71	996.00	1006.00	1113.82	439.12
2300.000	93.36	662.71	996.00	1006.00	1116.82	454.11
2300.000	94.39	632.29	996.00	1006.00	1121.97	489.67
2820.000	91.71	1005.13	1227.00	1245.00	1352.49	347.36
2820.000	92.96	915.95	1227.00	1245.00	1408.56	492.61
2820.000	93.58	900.45	1227.00	1245.00	1436.37	535.92
2820.000	94.67	873.20	1227.00	1245.00	1485.29	612.09
3970.000	93.64	1016.03	1117.00	1126.00	1292.27	276.24
3970.000	94.18	1013.48	1117.00	1126.00	1301.48	288.01
3970.000	94.81	1010.60	1117.00	1126.00	1311.84	301.24
3970.000	95.98	1005.22	1117.00	1126.00	1331.23	326.01
4730.000	95.62	1104.99	1200.00	1208.00	1500.00	395.01
4730.000	96.13	1088.24	1200.00	1208.00	1500.00	411.76
4730.000	96.62	1071.92	1200.00	1208.00	1500.00	428.08
4730.000	97.63	1047.70	1200.00	1208.00	1500.00	452.30
5885.000	97.30	1075.04	1159.00	1170.00	1379.32	304.28
5885.000	97.86	1062.21	1159.00	1170.00	1385.47	323.26
5885.000	98.40	1049.90	1159.00	1170.00	1391.35	341.41
5885.000	99.42	1035.82	1159.00	1170.00	1401.43	365.62
6760.000	98.92	1092.00	1288.00	1300.00	1366.59	250.16
6760.000	99.52	1067.57	1288.00	1300.00	1371.71	304.14
6760.000	100.13	1028.80	1288.00	1300.00	1376.45	351.66
6760.000	101.10	1017.45	1288.00	1300.00	1382.68	365.25
7640.000	100.25	995.12	1250.00	1275.00	1363.88	308.75
7640.000	100.86	983.00	1250.00	1275.00	1368.21	325.21
7640.000	101.53	969.45	1250.00	1275.00	1373.05	343.60
7640.000	102.49	957.54	1250.00	1275.00	1379.66	362.29
7900.000	100.63	1210.00	1250.00	1275.00	1320.00	110.00
7900.000	101.25	1210.00	1250.00	1275.00	1320.00	110.00
7900.000	101.79	1091.07	1250.00	1275.00	1487.85	396.76
7900.000	102.76	1078.68	1250.00	1275.00	1493.77	415.10
* 7970.000	100.57	1130.00	1152.00	1152.00	1352.00	18.00
* 7970.000	101.82	1002.26	1152.00	1152.00	1347.49	345.20
7970.000	101.85	1001.85	1152.00	1152.00	1347.95	346.10
7970.000	102.82	989.69	1152.00	1152.00	1356.19	366.50

SECNO	CWSFL	SSTA	STCHL	STCHR	ENDST	TOPAID
* 8020.000	101.95	1134.00	1134.00	1152.00	1152.00	18.00
* 8020.000	106.07	949.08	1134.00	1152.00	1380.55	431.47
* 8020.000	106.93	938.37	1134.00	1152.00	1386.98	448.61
8020.000	107.68	928.93	1134.00	1152.00	1392.64	463.72
8070.000	102.83	1100.00	1134.00	1152.00	1200.00	100.00
8070.000	106.06	1100.00	1134.00	1152.00	1200.00	100.00
8070.000	106.93	938.37	1134.00	1152.00	1386.98	448.61
8070.000	107.68	928.94	1134.00	1152.00	1392.64	463.70
8240.000	102.91	1009.19	1134.00	1152.00	1333.28	324.09
8240.000	106.10	944.30	1134.00	1152.00	1376.74	432.44
8240.000	106.94	937.97	1134.00	1152.00	1388.23	450.26
8240.000	107.70	932.26	1134.00	1152.00	1398.61	466.35
8360.000	102.93	1090.00	1134.00	1152.00	1200.00	110.00
8360.000	106.10	944.17	1134.00	1152.00	1376.97	432.80
8360.000	106.94	937.93	1134.00	1152.00	1388.30	450.37
8360.000	107.71	932.18	1134.00	1152.00	1398.77	466.59
8410.000	102.90	1156.00	1156.00	1177.00	1177.00	21.00
8410.000	106.10	947.80	1156.00	1177.00	1335.11	392.21
8410.000	106.94	902.50	1156.00	1177.00	1349.10	406.50
8410.000	107.71	900.00	1156.00	1177.00	1350.00	450.00
8430.000	102.99	1156.00	1156.00	1177.00	1177.00	21.00
8430.000	106.19	938.48	1156.00	1177.00	1336.64	398.16
8430.000	107.00	900.00	1156.00	1177.00	1350.00	450.00
8430.000	107.80	900.00	1156.00	1177.00	1350.00	450.00
8530.000	103.17	980.00	1134.00	1150.00	1339.61	375.61
8530.000	106.21	895.28	1134.00	1150.00	1357.36	462.60
8530.000	107.03	889.83	1134.00	1150.00	1360.00	470.25
8530.000	107.80	884.46	1134.00	1150.00	1362.77	478.31
8770.000	103.20	997.78	1134.00	1150.00	1350.85	354.07
8770.000	106.22	930.95	1134.00	1150.00	1363.84	382.69
8770.000	107.04	916.38	1134.00	1150.00	1367.36	390.98
8770.000	107.86	911.08	1134.00	1150.00	1370.44	398.86
8800.000	103.20	997.76	1134.00	1150.00	1350.87	354.11
8800.000	106.22	926.92	1134.00	1150.00	1363.81	382.82
8800.000	107.04	916.43	1134.00	1150.00	1367.33	390.90
8800.000	107.86	911.86	1134.00	1150.00	1370.85	398.99
270.000	103.20	1002.22	1107.00	1117.00	1174.23	172.81
270.000	106.20	1000.00	1107.00	1117.00	1187.00	185.00
270.000	107.06	1000.00	1107.00	1117.00	1185.00	185.00
270.000	107.96	1000.00	1107.00	1117.00	1185.00	185.00
760.000	103.54	1039.60	1050.00	1067.00	1200.25	150.61
760.000	106.31	1023.97	1050.00	1067.00	1215.13	191.15
760.000	107.10	1016.32	1050.00	1067.00	1219.59	203.27
760.000	107.99	1008.40	1050.00	1067.00	1224.17	215.73

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SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
1250.000	105.25	1023.08	1050.00	1060.00	1158.60	135.52
1250.000	106.60	1006.63	1050.00	1060.00	1165.61	158.98
1250.000	107.38	997.05	1050.00	1060.00	1169.69	172.64
1250.000	108.23	986.64	1050.00	1060.00	1174.13	187.49
1500.000	106.34	891.41	995.00	1008.00	1031.72	140.31
1500.000	107.23	869.04	995.00	1008.00	1036.19	167.15
1500.000	107.84	854.05	995.00	1008.00	1039.19	185.14
1500.000	108.61	842.42	995.00	1008.00	1043.03	200.61
1990.000	109.62	1058.71	1133.00	1140.00	1162.74	104.03
1990.000	110.29	1040.50	1133.00	1140.00	1165.32	124.82
1990.000	110.48	1036.88	1133.00	1140.00	1166.04	129.16
1990.000	110.79	1031.10	1133.00	1140.00	1167.21	136.10

HOWELL'S RR GOLDSBORO NC

SUMMARY PRINTOUT TABLE 150

SECMO	XLCR	ELTRD	ELLC	FLPTA	R	DWSEL	CR1AS	FG	10K*5	VCH	AREA	.01K
2970.000	0.00	0.00	0.00	81.30	900.00	87.77	0.00	87.98	59.80	5.01	434.67	116.38
2970.000	0.00	0.00	0.00	81.30	1275.00	88.12	0.00	88.31	59.63	5.20	609.93	165.11
2970.000	0.00	0.00	0.00	81.30	1640.00	88.39	0.00	88.57	59.90	5.39	750.55	211.90
2970.000	0.00	0.00	0.00	81.30	2600.00	88.96	0.00	89.14	59.73	5.82	1064.46	336.42
2971.000	1.00	0.00	0.00	81.30	900.00	87.78	0.00	87.99	59.11	4.98	437.49	117.06
2971.000	1.00	0.00	0.00	81.30	1275.00	88.13	0.00	88.32	58.94	5.17	613.01	166.07
2971.000	1.00	0.00	0.00	81.30	1640.00	88.40	0.00	88.58	59.27	5.36	753.75	213.03
2971.000	1.00	0.00	0.00	81.30	2600.00	88.97	0.00	89.15	59.21	5.80	1067.85	337.89
2972.000	1.00	0.00	0.00	81.30	900.00	87.79	0.00	87.99	58.07	4.90	441.87	118.11
2972.000	1.00	0.00	0.00	81.30	1275.00	88.14	0.00	88.32	57.95	5.13	617.54	167.49
2972.000	1.00	0.00	0.00	81.30	1640.00	88.41	0.00	88.58	58.39	5.33	758.22	214.62
2972.000	1.00	0.00	0.00	81.30	2600.00	88.98	0.00	89.15	58.55	5.77	1072.25	339.80
2974.000	2.00	0.00	0.00	81.30	900.00	87.81	0.00	88.01	56.21	4.87	449.85	120.05
2974.000	2.00	0.00	0.00	81.30	1275.00	88.15	0.00	88.34	56.21	5.07	625.70	170.07
2974.000	2.00	0.00	0.00	81.30	1640.00	88.42	0.00	88.60	56.84	5.27	766.26	217.52
2974.000	2.00	0.00	0.00	81.30	2600.00	88.99	0.00	89.17	57.37	5.72	1080.25	343.28
2978.000	4.00	0.00	0.00	81.30	900.00	87.86	0.00	88.03	49.61	4.60	479.73	127.78
2978.000	4.00	0.00	0.00	81.30	1275.00	88.20	0.00	88.36	49.49	4.92	644.24	175.99
2978.000	4.00	0.00	0.00	81.30	1640.00	88.46	0.00	88.62	49.04	5.16	791.58	223.09
2978.000	4.00	0.00	0.00	81.30	2600.00	89.02	0.00	89.19	49.16	5.63	1095.72	350.06
2990.000	12.00	0.00	0.00	81.30	900.00	87.96	0.00	88.09	41.20	4.24	525.83	140.21
2990.000	12.00	0.00	0.00	81.30	1275.00	88.29	0.00	88.42	41.32	4.53	697.91	193.72
2990.000	12.00	0.00	0.00	81.30	1640.00	88.55	0.00	88.60	41.42	4.80	835.92	243.35
2990.000	12.00	0.00	0.00	81.30	2600.00	89.10	0.00	89.26	41.13	5.37	1142.65	370.92
330.000	360.00	0.00	0.00	80.90	600.00	88.92	0.00	89.00	11.15	2.87	209.37	179.65
330.000	360.00	0.00	0.00	80.90	975.00	89.50	0.00	89.01	21.44	4.16	250.10	210.10
330.000	360.00	0.00	0.00	80.90	1340.00	89.51	0.00	89.61	12.56	3.17	639.81	378.04
330.000	360.00	0.00	0.00	80.90	2300.00	90.08	0.00	90.17	12.78	3.37	1127.16	643.27
370.000	40.00	0.00	0.00	80.90	600.00	88.62	0.00	89.01	121.63	7.13	84.18	50.40
370.000	40.00	0.00	0.00	80.90	975.00	89.82	0.00	89.93	26.48	3.60	460.45	189.48
370.000	40.00	0.00	0.00	80.90	1340.00	89.43	0.00	89.83	40.61	6.25	345.53	145.61
370.000	40.00	0.00	0.00	80.90	2300.00	90.15	0.00	90.24	21.08	3.29	1027.49	500.91
409.000	79.00	92.20	90.50	81.70	600.00	88.02	0.00	89.61	154.70	7.98	75.40	40.99
409.000	79.00	92.20	90.50	81.70	975.00	92.22	0.00	92.25	4.67	1.65	790.31	483.92
409.000	79.00	92.20	90.50	81.70	1340.00	92.77	0.00	92.80	4.26	1.75	1065.00	649.03
409.000	79.00	92.20	90.50	81.70	2300.00	93.55	0.00	93.57	0.33	1.88	1813.82	1105.13
490.000	41.00	0.00	0.00	82.10	600.00	89.78	0.00	89.82	8.05	2.60	262.77	206.37
490.000	41.00	0.00	0.00	82.10	975.00	92.20	0.00	92.29	5.41	2.59	476.97	419.26
490.000	41.00	0.00	0.00	82.10	1340.00	92.79	0.00	92.82	2.18	1.72	1309.89	906.96
490.000	41.00	0.00	0.00	82.10	2300.00	93.56	0.00	93.59	2.98	2.12	1915.46	1332.67
630.000	140.00	0.00	0.00	83.30	600.00	89.96	0.00	89.98	4.56	1.27	615.00	280.83
630.000	140.00	0.00	0.00	83.30	975.00	92.32	0.00	92.33	0.97	0.76	1580.40	989.27
630.000	140.00	0.00	0.00	83.30	1340.00	92.83	0.00	92.84	1.23	0.90	1804.93	1208.21
630.000	140.00	0.00	0.00	83.30	2300.00	93.61	0.00	93.63	2.11	1.25	2171.45	1584.64

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SECNO	XLCH	ELTRD	ELLC	ELPTN	Q	CNSFL	CRWS	EG	10K*5	VCH	AREA	.01K
1000.000	370.00	0.00	0.00	84.00	600.00	90.16	0.00	90.17	6.17	1.23	895.86	241.51
1000.000	370.00	0.00	0.00	84.00	950.00	92.37	0.00	92.37	1.46	0.84	1965.98	787.34
1000.000	370.00	0.00	0.00	84.00	1330.00	92.89	0.00	92.89	1.92	1.02	2248.52	960.62
1000.000	370.00	0.00	0.00	84.00	2250.00	93.71	0.00	93.72	3.17	1.43	2715.11	1264.47
1720.000	720.00	0.00	0.00	85.00	600.00	90.84	0.00	90.86	16.62	1.88	1570.59	147.16
1720.000	720.00	0.00	0.00	85.00	950.00	92.54	0.00	92.55	4.85	1.37	1226.28	431.19
1720.000	720.00	0.00	0.00	85.00	1330.00	93.10	0.00	93.12	5.59	1.54	1484.10	562.32
1720.000	720.00	0.00	0.00	85.00	2250.00	94.04	0.00	94.06	7.46	2.05	1955.67	823.55
2300.000	580.00	0.00	0.00	87.00	600.00	91.37	0.00	91.38	5.46	1.33	1915.75	256.76
2300.000	580.00	0.00	0.00	87.00	950.00	92.76	0.00	92.77	3.00	1.22	1501.97	540.21
2300.000	580.00	0.00	0.00	87.00	1330.00	93.36	0.00	93.37	3.56	1.43	1769.82	704.96
2300.000	580.00	0.00	0.00	87.00	2250.00	94.39	0.00	94.41	4.89	1.86	2252.31	1017.02
2820.000	520.00	0.00	0.00	88.40	600.00	91.71	0.00	91.73	8.27	1.45	738.64	208.64
2820.000	520.00	0.00	0.00	88.40	950.00	92.96	0.00	92.97	4.72	1.38	1282.66	437.50
2820.000	520.00	0.00	0.00	88.40	1330.00	93.58	0.00	93.59	5.09	1.58	1601.44	589.77
2820.000	520.00	0.00	0.00	88.40	2250.00	94.67	0.00	94.69	5.94	1.95	2227.15	922.87
3970.000	1150.00	0.00	0.00	90.50	600.00	93.64	0.00	93.68	51.85	3.15	403.45	83.33
3970.000	1150.00	0.00	0.00	90.50	950.00	94.18	0.00	94.23	47.01	3.41	1599.33	138.56
3970.000	1150.00	0.00	0.00	90.50	1330.00	94.81	0.00	94.87	38.25	3.47	742.46	213.06
3970.000	1150.00	0.00	0.00	90.50	2250.00	95.98	0.00	96.05	32.04	3.79	1107.21	397.51
4730.000	760.00	0.00	0.00	92.10	550.00	95.62	0.00	95.63	14.56	1.89	648.55	144.15
4730.000	760.00	0.00	0.00	92.10	850.00	96.13	0.00	96.15	14.80	2.11	853.58	220.94
4730.000	760.00	0.00	0.00	92.10	1200.00	96.62	0.00	96.64	15.02	2.32	1061.12	309.65
4730.000	760.00	0.00	0.00	92.10	2020.00	97.83	0.00	97.86	14.43	2.64	1504.34	531.82
5885.000	1155.00	0.00	0.00	94.20	550.00	97.30	0.00	97.31	14.54	1.70	1581.14	144.24
5885.000	1155.00	0.00	0.00	94.20	850.00	97.86	0.00	97.88	15.26	1.99	758.53	217.60
5885.000	1155.00	0.00	0.00	94.20	1200.00	98.40	0.00	98.43	15.92	2.26	938.45	300.78
5885.000	1155.00	0.00	0.00	94.20	2020.00	99.82	0.00	99.86	16.84	2.75	1298.31	492.30
6760.000	875.00	0.00	0.00	93.80	520.00	98.92	0.00	98.96	25.52	2.61	405.69	102.93
6760.000	875.00	0.00	0.00	93.80	800.00	99.52	0.00	99.56	24.87	2.82	571.21	163.41
6760.000	875.00	0.00	0.00	93.80	1200.00	100.13	0.00	100.18	25.49	3.10	770.32	237.69
6760.000	875.00	0.00	0.00	93.80	1900.00	101.18	0.00	101.18	22.54	3.27	1118.67	400.21
7640.000	880.00	0.00	0.00	96.00	520.00	100.25	0.00	100.26	9.52	1.61	618.32	168.04
7640.000	880.00	0.00	0.00	96.00	800.00	100.86	0.00	100.82	9.93	1.84	810	253.86
7640.000	880.00	0.00	0.00	96.00	1200.00	101.54	0.00	101.56	10.60	2.13	1036.98	368.55
7640.000	880.00	0.00	0.00	96.00	1900.00	102.80	0.00	102.82	11.43	2.51	1375.94	564.46
7900.000	260.00	0.00	0.00	96.80	520.00	100.63	0.00	100.72	33.97	3.16	267.22	89.21
7900.000	260.00	0.00	0.00	96.80	800.00	101.25	0.00	101.32	39.79	3.78	335.79	126.83
7900.000	260.00	0.00	0.00	96.80	1200.00	101.79	0.00	101.91	8.24	1.91	1201.51	415.56
7900.000	260.00	0.00	0.00	96.80	1900.00	102.71	0.00	102.78	8.65	2.22	1594.66	646.12
7970.000	70.00	0.00	0.00	97.00	520.00	100.57	100.57	102.66	385.78	9.82	52.98	26.09
7970.000	70.00	0.00	0.00	97.00	800.00	101.82	101.82	101.84	5.69	1.51	997.56	335.45
7970.000	70.00	0.00	0.00	97.00	1200.00	101.85	0.00	101.88	12.37	2.24	1008.86	341.13
7970.000	70.00	0.00	0.00	97.00	1900.00	102.82	0.00	102.86	12.55	2.59	1355.83	536.29

PRINTED IN U.S.A.

SECNO	XICH	ELTRD	ELLC	ELTR	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA	.01K
* 8020.000	50.00	105.90	102.40	97.00	520.00	101.95	0.00	102.64	106.26	6.67	77.97	50.45
* 8020.000	50.00	105.90	102.40	97.00	800.00	106.07	0.00	106.07	10.29	0.55	2652.00	1477.07
* 8020.000	50.00	105.90	102.40	97.00	1200.00	106.93	0.00	106.93	0.45	0.72	3029.63	1798.46
8020.000	50.00	105.90	102.40	97.00	1900.00	107.68	0.00	107.69	0.01	1.02	3373.69	2107.41
8070.000	50.00	0.00	0.00	97.00	500.00	102.83	0.00	102.86	6.44	1.86	444.07	197.07
8070.000	50.00	0.00	0.00	97.00	750.00	106.06	0.00	106.08	2.56	1.62	767.04	468.74
8070.000	50.00	0.00	0.00	97.00	1070.00	106.93	0.00	106.93	0.35	0.64	3028.98	1798.41
8070.000	50.00	0.00	0.00	97.00	1825.00	107.68	0.00	107.69	0.75	0.98	3373.13	2106.89
8240.000	170.00	0.00	0.00	97.00	500.00	102.91	0.00	102.91	1.52	0.91	1047.96	405.22
8240.000	170.00	0.00	0.00	97.00	750.00	106.10	0.00	106.10	0.40	0.64	2296.42	1191.61
8240.000	170.00	0.00	0.00	97.00	1070.00	106.94	0.00	106.94	0.53	0.78	2668.54	1476.47
8240.000	170.00	0.00	0.00	97.00	1825.00	107.70	0.00	107.71	1.08	1.18	3017.29	1760.08
8360.000	120.00	0.00	0.00	97.00	500.00	102.93	0.00	102.95	5.62	1.76	480.25	210.97
8360.000	120.00	0.00	0.00	97.00	750.00	106.10	0.00	106.11	0.39	0.63	2303.76	1197.24
8360.000	120.00	0.00	0.00	97.00	1070.00	106.94	0.00	106.95	0.52	0.78	2670.89	1478.33
8360.000	120.00	0.00	0.00	97.00	1825.00	107.71	0.00	107.72	1.07	1.18	3022.78	1764.67
8410.000	50.00	0.00	0.00	98.20	500.00	102.90	0.00	103.04	12.04	2.93	170.77	144.11
8410.000	50.00	0.00	0.00	98.20	750.00	106.10	0.00	106.12	1.78	1.41	1217.99	561.57
8410.000	50.00	0.00	0.00	98.20	1070.00	106.96	0.00	106.96	2.09	1.60	1570.07	739.28
8410.000	50.00	0.00	0.00	98.20	1825.00	107.71	0.00	107.74	3.69	2.21	1914.60	949.84
8430.000	20.00	105.30	102.20	98.20	500.00	102.99	0.00	103.12	11.63	2.90	172.53	146.61
8430.000	20.00	105.30	102.20	98.20	750.00	106.19	0.00	106.21	1.68	1.37	1254.32	579.32
8430.000	20.00	105.30	102.20	98.20	1070.00	107.00	0.00	107.02	2.01	1.57	1600.24	755.39
8430.000	20.00	105.30	102.20	98.20	1825.00	107.80	0.00	107.82	3.51	2.16	1952.15	974.63
8530.000	100.00	0.00	0.00	97.30	500.00	103.17	0.00	103.17	1.36	0.86	1135.39	428.74
8530.000	100.00	0.00	0.00	97.30	750.00	106.21	0.00	106.21	0.35	0.59	2470.28	1263.80
8530.000	100.00	0.00	0.00	97.30	1070.00	107.03	0.00	107.03	0.47	0.74	2851.04	1566.93
8530.000	100.00	0.00	0.00	97.30	1825.00	107.84	0.00	107.85	0.93	1.08	3233.32	1895.83
8770.000	240.00	0.00	0.00	97.30	500.00	103.20	0.00	103.20	1.09	0.77	1245.06	479.28
8770.000	240.00	0.00	0.00	97.30	750.00	106.22	0.00	106.22	0.34	0.58	2360.01	1285.09
8770.000	240.00	0.00	0.00	97.30	1070.00	107.04	0.00	107.04	0.47	0.73	2677.90	1562.92
8770.000	240.00	0.00	0.00	97.30	1825.00	107.86	0.00	107.87	0.96	1.10	2990.27	1859.97
8800.000	50.00	0.00	0.00	97.30	500.00	103.24	0.00	103.21	1.08	0.77	1246.36	480.04
8800.000	50.00	0.00	0.00	97.30	750.00	106.22	0.00	106.22	0.34	0.58	2357.33	1282.83
8800.000	50.00	0.00	0.00	97.30	1070.00	107.04	0.00	107.05	0.47	0.74	2674.82	1559.65
8800.000	50.00	0.00	0.00	97.30	1825.00	107.86	0.00	107.87	0.96	1.10	2999.41	1861.05
270.000	500.00	0.00	0.00	98.30	200.00	103.24	0.00	103.25	2.50	0.92	418.21	126.40
270.000	500.00	0.00	0.00	98.30	450.00	106.22	0.00	106.22	0.96	0.82	967.79	460.01
270.000	500.00	0.00	0.00	98.30	600.00	107.06	0.00	107.06	1.07	0.94	1120.33	581.01
270.000	500.00	0.00	0.00	98.30	850.00	107.90	0.00	107.90	1.35	1.13	1275.12	714.96
760.000	490.00	0.00	0.00	101.60	200.00	103.58	0.00	103.57	41.55	1.95	173.22	31.03
760.000	490.00	0.00	0.00	101.60	450.00	106.31	0.00	106.32	3.22	1.19	658.92	250.83
760.000	490.00	0.00	0.00	101.60	600.00	107.12	0.00	107.15	2.91	1.22	822.04	352.02
760.000	490.00	0.00	0.00	101.60	830.00	107.99	0.00	108.00	3.08	1.40	1000.26	472.65

SECNO	XLCH	ELTRD	ELLC	ELMTN	Q	CWSEL	CRWS	EG	10K*3	VCH	AREA	.01K
1250.000	490.00	0.00	0.00	102.60	200.00	105.25	0.00	105.29	29.80	2.21	175.72	36.63
1250.000	490.00	0.00	0.00	102.60	450.00	106.60	0.00	106.63	16.20	2.24	373.47	111.80
1250.000	490.00	0.00	0.00	102.60	600.00	107.38	0.00	107.41	11.99	2.20	503.24	173.29
1250.000	490.00	0.00	0.00	102.60	830.00	108.23	0.00	108.26	10.60	2.33	656.30	254.88
1500.000	250.00	0.00	0.00	103.30	200.00	106.34	0.00	106.49	81.75	3.84	109.29	22.12
1500.000	250.00	0.00	0.00	103.30	450.00	107.23	0.00	107.34	54.40	3.85	246.84	61.01
1500.000	250.00	0.00	0.00	103.30	600.00	107.80	0.00	107.92	36.83	3.53	352.48	98.87
1500.000	250.00	0.00	0.00	103.30	830.00	108.61	0.00	108.67	26.00	3.34	501.26	162.77
1990.000	450.00	0.00	0.00	105.00	200.00	109.62	0.00	109.73	63.33	3.57	113.45	25.13
1990.000	450.00	0.00	0.00	105.00	450.00	110.29	0.00	110.44	89.25	4.75	191.25	47.63
1990.000	450.00	0.00	0.00	105.00	600.00	110.48	109.85	110.68	116.95	5.59	215.13	55.58
1990.000	450.00	0.00	0.00	105.00	830.00	110.79	0.00	111.04	141.75	6.44	254.97	69.71

HOWELLS BR GOLDSBORO NC

SUMMARY PRINTOUT TABLE 150

SECNO	R	CWSEL	DIFWSP	DIFWGX	DIFWKS	TOTWTD	XICH
2970.000	400.00	87.77	0.00	0.00	-4.23	470.40	0.00
2970.000	1275.00	88.12	0.35	0.00	-3.80	516.75	0.00
2970.000	1640.00	88.39	0.27	0.00	-3.61	533.85	0.00
2970.000	2600.00	88.96	0.57	0.00	-3.04	567.92	0.00
2971.000	900.00	87.78	0.00	0.01	0.00	472.59	1.00
2971.000	1275.00	88.13	0.33	0.01	0.00	517.13	1.00
2971.000	1640.00	88.40	0.27	0.01	0.00	534.24	1.00
2971.000	2600.00	88.97	0.57	0.01	0.00	568.28	1.00
2972.000	400.00	87.79	0.00	0.01	0.00	475.97	1.00
2972.000	1275.00	88.14	0.35	0.01	0.00	517.69	1.00
2972.000	1640.00	88.41	0.27	0.01	0.00	534.76	1.00
2972.000	2600.00	88.98	0.57	0.01	0.00	568.74	1.00
2974.000	400.00	87.81	0.00	0.02	0.00	481.44	2.00
2974.000	1275.00	88.16	0.35	0.02	0.00	516.70	2.00
2974.000	1640.00	88.42	0.27	0.02	0.00	535.65	2.00
2974.000	2600.00	88.99	0.57	0.02	0.00	569.58	2.00
2978.000	900.00	87.86	0.00	0.05	0.00	490.03	4.00
2978.000	1275.00	88.20	0.33	0.04	0.00	520.98	4.00
2978.000	1640.00	88.46	0.26	0.03	0.00	537.36	4.00
2978.000	2600.00	89.02	0.56	0.03	0.00	571.20	4.00
2990.000	900.00	87.96	0.00	0.09	0.00	502.99	12.00
2990.000	1275.00	88.29	0.33	0.09	0.00	527.52	12.00
2990.000	1640.00	88.55	0.26	0.09	0.00	543.36	12.00
2990.000	2600.00	89.10	0.56	0.08	0.00	576.08	12.00
330.000	600.00	88.92	0.00	0.96	0.00	42.07	460.00
330.000	975.00	89.54	0.62	1.25	0.62	100.28	460.00
330.000	1340.00	89.51	-0.03	0.96	0.59	336.90	460.00
330.000	2300.00	90.00	0.57	0.97	0.00	486.79	460.00
370.000	600.00	88.62	0.08	-0.29	0.00	10.99	40.00
370.000	975.00	89.82	1.20	0.28	1.20	350.00	40.00
370.000	1340.00	89.45	-0.37	-0.05	0.83	279.97	40.00
370.000	2300.00	90.15	0.69	0.07	0.00	488.29	40.00
449.000	600.00	86.63	0.00	0.00	0.00	10.98	79.00
449.000	975.00	92.22	2.59	2.00	3.59	205.00	79.00
449.000	1340.00	92.77	0.55	3.32	4.15	330.00	79.00
449.000	2300.00	93.55	0.77	3.00	0.00	570.16	79.00
490.000	600.00	89.76	0.00	1.15	0.00	64.67	41.00
490.000	975.00	92.20	2.42	-0.02	2.42	105.00	41.00
490.000	1340.00	92.79	0.59	0.02	3.01	410.00	41.00
490.000	2300.00	93.56	0.77	0.01	0.00	566.90	41.00
630.000	600.00	89.96	0.00	0.18	0.00	290.32	140.00
630.000	975.00	92.32	2.37	0.12	2.37	439.83	140.00
630.000	1340.00	92.83	0.50	0.04	2.87	445.81	140.00
630.000	2300.00	93.61	0.78	0.05	0.00	520.70	140.00

PRINTED IN U.S.A.

SPEND	Q	CWSEL	DTFWSR	DTFWSY	DTFWS	TOPWID	XICH
1000.000	600.00	90.16	0.00	0.20	0.00	445.76	370.00
1000.000	950.00	92.37	2.21	0.05	2.21	528.52	370.00
1000.000	1330.00	92.89	0.52	0.06	2.73	554.60	370.00
1000.000	2250.00	93.71	0.82	0.10	0.00	595.18	370.00
1720.000	600.00	90.84	0.00	0.60	0.00	329.17	720.00
1720.000	950.00	92.54	1.70	0.17	1.70	402.00	720.00
1720.000	1330.00	93.10	0.56	0.21	2.26	476.10	720.00
1720.000	2250.00	94.04	0.90	0.33	0.00	532.63	720.00
2300.000	600.00	91.37	0.00	0.54	0.00	397.90	580.00
2300.000	950.00	92.76	1.34	0.22	1.34	469.12	580.00
2300.000	1330.00	93.36	0.60	0.26	1.99	454.11	580.00
2300.000	2250.00	94.39	1.03	0.36	0.00	489.67	580.00
2820.000	600.00	91.71	0.00	0.34	0.00	307.36	520.00
2820.000	950.00	92.96	1.24	0.19	1.24	392.61	520.00
2820.000	1330.00	93.58	0.63	0.22	1.87	545.92	520.00
2820.000	2250.00	94.67	1.09	0.28	0.00	612.09	520.00
3970.000	600.00	93.50	0.00	1.92	0.00	276.20	1150.00
3970.000	950.00	94.19	0.54	1.22	0.54	338.01	1150.00
3970.000	1330.00	94.81	0.63	1.23	1.17	301.20	1150.00
3970.000	2250.00	95.98	1.10	1.30	0.00	326.01	1150.00
4730.000	550.00	95.62	0.00	1.90	0.00	395.01	760.00
4730.000	850.00	96.13	0.51	1.45	0.51	411.73	760.00
4730.000	1200.00	96.65	0.40	1.81	1.00	420.00	760.00
4730.000	2020.00	97.63	1.01	1.65	0.00	452.30	760.00
5885.000	550.00	97.30	0.00	1.68	0.00	304.28	1155.00
5885.000	850.00	97.86	0.57	1.73	0.57	323.26	1155.00
5885.000	1200.00	98.40	0.50	1.78	1.11	301.31	1155.00
5885.000	2020.00	99.42	1.02	1.79	0.00	365.62	1155.00
6760.000	520.00	98.92	0.00	1.63	0.00	250.14	875.00
6760.000	800.00	99.52	0.60	1.65	0.60	304.14	875.00
6760.000	1200.00	100.13	0.61	1.72	1.21	351.66	875.00
6760.000	1900.00	101.10	0.97	1.68	0.00	365.25	875.00
7640.000	520.00	100.25	0.00	1.32	0.00	300.74	880.00
7640.000	800.00	100.86	0.61	1.34	0.61	324.21	880.00
7640.000	1200.00	101.53	0.78	1.81	1.20	303.60	880.00
7640.000	1900.00	102.49	0.95	1.39	0.00	362.29	880.00
7900.000	520.00	100.63	0.00	0.40	0.00	110.00	260.00
7900.000	800.00	101.25	0.62	0.30	0.62	110.00	260.00
7900.000	1200.00	101.79	0.50	0.25	1.15	396.70	260.00
7900.000	1900.00	102.76	0.97	0.27	0.00	615.10	260.00
7970.000	520.00	100.57	0.00	0.06	0.00	12.00	70.00
7970.000	800.00	101.82	1.25	0.57	1.25	305.20	70.00
7970.000	1200.00	101.85	0.03	0.07	1.29	306.10	70.00
7970.000	1900.00	102.82	0.97	0.07	0.00	366.50	70.00

PRINTED IN U.S.A.

SECNO	D	CNSFL	DIFWSP	DIFWSY	DIFKWS	TOPKIC	XLCH
* 8020.000	520.00	101.95	0.00	1.30	0.00	18.00	50.00
* 8020.000	800.00	106.07	4.12	4.25	0.12	431.47	50.00
* 8020.000	1200.00	106.93	0.46	5.08	4.97	448.61	50.00
8020.000	1900.00	107.6A	0.75	0.86	0.00	463.72	50.00
8070.000	500.00	102.83	0.00	0.88	0.00	100.00	50.00
8070.000	750.00	106.06	3.23	-0.01	3.23	100.00	50.00
8070.000	1070.00	106.93	0.87	0.00	4.10	448.61	50.00
8070.000	1825.00	107.66	0.75	0.00	0.00	463.70	50.00
8240.000	500.00	102.91	0.00	0.07	0.00	324.09	170.00
8240.000	750.00	106.10	3.19	0.04	3.19	432.44	170.00
8240.000	1070.00	106.94	0.84	0.01	4.05	450.26	170.00
8240.000	1825.00	107.70	0.76	0.01	0.00	466.35	170.00
8360.000	500.00	102.93	0.00	0.02	0.00	110.00	120.00
8360.000	750.00	106.10	3.18	0.00	3.18	432.80	120.00
8360.000	1070.00	106.94	0.84	0.01	4.01	450.37	120.00
8360.000	1825.00	107.71	0.77	0.01	0.00	466.59	120.00
8410.000	500.00	102.90	0.00	-0.03	0.00	21.00	50.00
8410.000	750.00	106.10	3.20	0.00	3.20	392.21	50.00
8410.000	1070.00	106.94	0.84	0.00	4.04	446.50	50.00
8410.000	1825.00	107.71	0.7	-0.01	0.00	450.00	50.00
8430.000	500.00	102.99	0.00	0.08	0.00	21.00	20.00
8430.000	750.00	106.14	3.20	0.09	3.20	398.16	20.00
8430.000	1070.00	107.00	0.81	0.07	4.02	450.00	20.00
8430.000	1825.00	107.80	0.79	0.04	0.00	450.00	20.00
8530.000	500.00	103.17	0.00	0.18	0.00	275.61	100.00
8530.000	750.00	106.21	3.04	0.02	3.04	462.08	100.00
8530.000	1070.00	107.03	0.82	0.03	3.86	470.25	100.00
8530.000	1825.00	107.84	0.81	0.04	0.00	478.41	100.00
8770.000	500.00	103.20	0.00	0.03	0.00	353.07	240.00
8770.000	750.00	106.22	3.02	0.01	3.02	382.80	240.00
8770.000	1070.00	107.04	0.82	0.01	3.84	390.98	240.00
8770.000	1825.00	107.86	0.82	0.02	0.00	398.96	240.00
8800.000	500.00	103.20	0.00	0.00	0.00	353.11	30.00
8800.000	750.00	106.22	3.02	0.00	3.02	402.82	30.00
8800.000	1070.00	107.04	0.82	0.00	3.84	390.90	30.00
8800.000	1825.00	107.86	0.82	0.00	0.00	398.90	30.00
270.000	200.00	103.24	0.00	0.04	0.00	172.01	300.00
270.000	450.00	106.24	2.99	0.01	2.99	185.00	300.00
270.000	600.00	107.06	0.82	0.02	3.82	155.00	300.00
270.000	830.00	107.90	0.80	0.03	0.00	185.00	300.00
760.000	200.00	103.34	0.00	0.30	0.00	160.51	250.00
760.000	450.00	106.31	2.77	0.08	2.77	191.16	400.00
760.000	600.00	107.14	0.83	0.08	3.59	203.27	400.00
760.000	830.00	107.90	0.85	0.09	0.00	215.73	400.00

SECNO	Q	CRSEL	DIFWSP	DIFW3X	DIFKWS	TOPWID	XICH
1250.000	200.00	105.25	0.00	1.71	0.00	135.52	490.00
1250.000	450.00	106.66	1.35	0.29	1.35	158.98	490.00
1250.000	600.00	107.30	0.76	0.24	2.15	172.64	490.00
1250.000	830.00	108.23	0.85	0.24	0.00	187.49	490.00
1500.000	200.00	106.30	0.00	1.00	0.00	140.31	250.00
1500.000	450.00	107.23	0.40	0.63	0.09	167.15	250.00
1500.000	600.00	107.84	0.60	0.46	1.04	185.14	250.00
1500.000	830.00	108.61	0.77	0.37	0.00	200.61	250.00
1990.000	200.00	109.62	0.00	3.28	0.00	104.03	450.00
1990.000	450.00	110.29	0.67	3.06	0.67	120.82	450.00
1990.000	600.00	110.40	0.19	2.60	6.06	124.16	450.00
1990.000	830.00	110.70	0.31	2.12	0.00	136.10	450.00

SUMMARY OF ERRORS

- CAUTION SECNO= 7970.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 7970.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 7970.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE SEEL
- CAUTION SECNO= 7970.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 7970.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 7970.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE SEEL
- CAUTION SECNO= 8020.000 PROFILE= 1 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 8020.000 PROFILE= 2 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 8020.000 PROFILE= 3 HYDRAULIC JUMP D.S.

 HFC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53

C HOWELLS BRANCH GOLDSBORO NC
 T1 FPM-FIS GWP 6MAR80
 T2 100 YR
 T3 HOWELLS BR GOLDSBORO NC

J1	ICHECK	IMP	AJRV	IGIP	SIRT	MTRIC	BVIRS	G	%SEL	FO
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	88.400	0.000

J2	FPROB	IPLDT	PREVS	XSECV	XSECF	FN	ALLOC	IBB	CRNTR	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									
	30.000	1.000	3.000	02.000	01.000	0.000	03.000	0.000	30.000	1.000

	05.000	21.000	22.000	00.000	0.000	0.000	200.000	0.000	0.000	0.000
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BT	0.100	0.000	0.050	0.200	0.400	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	000.000	1275.000	1640.000	2600.000	1275.000	1275.000	1275.000	1275.000	0.000	0.000

*** SURVEY SET 3, MODIFIED, ON STOREY CP ***

X1	2970.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	106.400	1650.000	101.200	1700.000	00.400	1700.000	87.000	1832.000	86.800	1832.000	0.000
BT	05.100	1815.000	86.200	1892.000	86.000	1900.000	86.000	1910.000	83.900	1999.000	0.000
BT	03.700	2000.000	01.300	2008.000	88.400	2013.000	86.100	2021.000	87.100	2100.000	0.000
BT	07.000	2500.000	00.000	2406.000	00.900	2435.000	96.300	2450.000	97.500	2472.000	0.000
BT	102.300	2500.000	104.000	2540.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	2971.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000
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X1	2972.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000
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X1	2973.000	0.000	0.000	0.000	2.000	2.000	2.000	0.000	0.000	0.000	0.000
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X1	2970.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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X1	2970.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	0.000	0.000	0.000
NC	0.060	0.060	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	0.000	600.000	975.000	1340.000	2300.000	1340.000	1340.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1830.000	2240.000	0.000
ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1985.000	2056.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	9.110	0.000	1840.000	2070.000	0.000

★★ SURVEY SEC 4, MOD. FOR EFF. FLOW FOR HOWELLS BR ★★

X1	330.000	26.000	1980.000	2018.000	340.000	380.000	460.000	0.000	0.000	0.000
GR	104.000	1430.000	102.000	1475.000	100.000	1510.000	98.000	1545.000	96.000	1580.000
GR	94.000	1610.000	92.000	1695.000	90.000	1725.000	85.300	1820.000	86.600	1897.000
GR	87.000	1907.000	88.100	1920.000	89.700	1980.000	83.100	1990.000	80.900	2004.000
GR	81.500	2013.000	89.600	2018.000	88.400	2120.000	90.000	2210.000	92.000	2225.000
GR	94.000	2245.000	96.000	2270.000	98.000	2285.000	100.000	2295.000	102.000	2315.000
GR	104.000	2340.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1870.000	2200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	9.110	0.000	1870.000	2080.000

★★ SR 1554, WAYNE MEM DR/OVBKS FROM SEC 4 MOD FOR EFF. FLOW ★★

X1	370.000	27.000	1995.000	2006.000	40.000	40.000	40.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	89.300	89.300	0.000
GR	104.000	1430.000	102.000	1475.000	100.000	1510.000	98.000	1545.000	96.000	1580.000
GR	94.000	1610.000	92.000	1695.000	90.000	1725.000	85.300	1820.000	86.600	1897.000
GR	87.000	1907.000	88.100	1920.000	89.700	1980.000	89.000	1995.000	80.900	1995.100
GR	80.900	2005.900	89.000	2006.000	89.600	2018.000	88.400	2120.000	90.000	2210.000
GR	92.000	2225.000	94.000	2245.000	96.000	2270.000	98.000	2285.000	100.000	2295.000
GR	102.000	2315.000	104.000	2340.000	0.000	0.000	0.000	0.000	0.000	0.000
SP	1.000	1.640	2.500	0.000	11.000	0.010	99.000	0.000	81.700	80.900
ET	0.000	9.110	9.110	9.110	0.000	0.000	0.000	0.000	1870.000	2200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	9.110	0.000	1975.000	2100.000

★★ SR 1556 ROADWAY OVBKS FF SEC 6 MOD. FOR EFF. FLOW ★★

X1	449.000	25.000	1995.000	2006.000	37.000	37.000	79.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	90.600	92.200	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	92.300	92.200	0.000
BT	19.000	1480.000	104.000	0.000	1530.000	102.000	0.000	1580.000	100.000	0.000
BT	1610.000	98.000	0.000	1640.000	96.000	0.000	1665.000	94.000	0.000	1675.000
BT	93.700	0.000	1790.000	93.200	0.000	1890.000	92.700	0.000	1995.000	92.300
BT	0.000	1995.000	92.300	90.600	2006.000	92.200	90.600	2006.000	92.200	0.000
BT	2090.000	92.200	0.000	2190.000	92.700	0.000	2250.000	93.800	0.000	2255.000
ET	98.000	0.000	2300.000	102.000	0.000	2360.000	104.000	0.000	0.000	0.000
GR	104.000	1480.000	102.000	1530.000	100.000	1580.000	98.000	1610.000	96.000	1640.000
GR	94.000	1665.000	93.700	1675.000	92.000	1760.000	90.000	1780.000	89.800	1790.000
GR	92.600	1890.000	90.300	1985.000	90.000	1995.000	81.700	1995.100	81.700	2005.000
GR	87.000	2006.000	87.700	2020.000	88.400	2090.000	89.900	2190.000	91.000	2240.000
GR	92.000	2245.000	93.800	2250.000	94.000	2255.000	102.000	2300.000	104.000	2360.000
ET	0.000	9.110	9.110	0.110	0.000	0.000	0.000	0.000	1830.000	2200.000
ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1945.000	2050.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	9.110	0.000	1975.000	2100.000

★★ SEC 6 MOD FOR EFF FLOW ★★

X1	490.000	22.000	1985.000	2020.000	41.000	41.000	41.000	0.000	0.000	0.000
GR	104.000	1480.000	102.000	1530.000	100.000	1540.000	98.000	1610.000	96.000	1640.000
GR	94.000	1665.000	92.000	1760.000	90.000	1780.000	89.800	1790.000	92.600	1890.000
GR	90.300	1985.000	87.400	1990.000	82.100	2500.000	84.300	2015.000	87.900	2020.000
GR	88.400	2090.000	89.900	2190.000	91.000	2200.000	92.000	2245.000	94.000	2255.000
GR	102.000	2300.000	104.000	2360.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.060	0.060	0.070	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	9.110	0.000	1950.000	2050.000

★★ SEC 7, EXTENDED OR LOR, MOD FOR EFF FLOW FOR ★★

X1	630.000	22.000	1990.000	2010.000	180.000	70.000	140.000	0.000	0.000	0.000
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GR	94.000	1680.000	93.100	1800.000	92.700	1805.000	90.600	1815.000	87.900	1900.000
GR	86.300	1990.000	85.000	2000.000	83.300	2005.000	86.000	2010.000	89.700	2100.000
GR	90.700	2200.000	90.100	2235.000	91.000	2240.000	92.000	2245.000	94.000	2255.000
GR	102.000	2300.000	104.000	2360.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.100	0.100	0.060	0.200	0.400	0.000	0.000	0.000	0.000	0.000
DT	6.000	600.000	950.000	1330.000	2250.000	1330.000	1330.000	1330.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.610	7.510	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1120.000	1300.000

1000XXX TOPO SECTION

X1	1000.000	19.000	1150.000	1175.000	370.000	370.000	370.000	0.000	0.000	0.000
GR	100.000	750.000	94.000	750.000	96.000	830.000	94.000	870.000	92.000	1950.000
GR	90.000	1000.000	88.000	1085.000	87.500	1150.000	84.300	1151.000	84.000	1152.000
GR	85.500	1153.000	87.100	1154.000	87.300	1175.000	88.000	1360.000	90.000	1440.000
GR	94.000	1480.000	96.000	1500.000	100.000	1520.000	104.000	1580.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1075.000	1300.000

1720XXX WHB-1 EXTENDED FROM 2FT TOPO

X1	1720.000	26.000	1150.000	1175.000	720.000	720.000	720.000	0.000	0.000	0.000
GR	100.000	740.000	96.000	850.000	94.000	920.000	92.000	990.000	91.900	1000.000
GR	91.100	1025.000	90.100	1050.000	89.300	1075.000	89.000	1100.000	88.400	1125.000
GR	88.500	1150.000	85.300	1151.000	85.000	1152.000	86.500	1153.000	88.100	1154.000
GR	88.300	1175.000	88.800	1200.000	88.800	1275.000	88.800	1300.000	90.300	1323.000
GR	90.500	1450.000	92.000	1400.000	94.000	1450.000	96.000	1520.000	98.000	1580.000
GR	100.000	1435.000	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	830.000	1030.000

2300XXX TOPO SECTION TAKEN AT SCS DAMSITE NO 2

X1	2300.000	16.000	996.000	1006.000	580.000	580.000	580.000	0.000	0.000	0.000
GR	110.000	400.000	100.000	460.000	98.000	500.000	96.000	560.000	94.000	650.000
GR	92.000	690.000	90.000	750.000	89.000	780.000	88.600	996.000	87.000	1000.000
GR	87.500	1005.000	88.700	1006.000	89.000	1095.000	90.000	1100.000	100.000	1150.000
GR	110.000	1200.000	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	1050.000	1240.000

2820XXX WHB-2 EXTENDED FROM TOPO

X1	2820.000	23.000	1227.000	1245.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	100.000	750.000	98.000	790.000	96.000	840.000	94.000	890.000	92.000	1940.000
GR	92.000	1000.000	90.600	1025.000	89.300	1050.000	88.800	1075.000	89.300	1100.000
GR	85.900	1125.000	88.300	1150.000	89.000	1175.000	89.000	1200.000	89.300	1227.000
GR	88.700	1235.000	88.400	1243.000	89.300	1245.000	89.000	1250.000	89.600	1275.000
GR	90.100	1300.000	91.100	1325.000	95.000	1500.000	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	1050.000	1240.000

3970XXX WHB-3 EXTENDED FROM TOPO ROB IS HIGH ON TOPO AND HAS

3970XXX BEEN ADJUSTED TO MATCH SURVEY

X1	3970.000	20.000	1117.000	1126.000	1150.000	1150.000	1150.000	0.000	0.500	0.000
GR	108.000	850.000	104.000	900.000	100.000	970.000	96.600	1000.000	91.200	1025.000
GR	92.000	1050.000	91.000	1075.000	92.000	1100.000	91.700	1117.000	90.000	1120.000
GR	90.200	1122.000	90.400	1125.000	91.600	1126.000	91.500	1150.000	91.600	1175.000
GR	91.700	1200.000	91.600	1225.000	91.700	1250.000	92.100	1275.000	96.000	1340.000
DT	6.000	550.000	850.000	1200.000	2020.000	1200.000	1200.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1180.000	1400.000

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4730XXX WHB-4

X1	4730.000	24.000	1200.000	1208.000	760.000	760.000	760.000	0.000	0.000	0.000
GR	102.900	1000.000	98.900	1025.000	97.500	1050.000	96.500	1075.000	95.800	1100.000
GR	94.000	1150.000	93.700	1175.000	93.300	1200.000	92.700	1201.000	92.100	1200.000
GR	92.700	1207.000	93.600	1208.000	93.700	1225.000	93.500	1250.000	94.600	1275.000
GR	93.700	1300.000	93.500	1325.000	93.800	1350.000	94.000	1375.000	94.200	1400.000
GR	93.700	1425.000	93.800	1450.000	94.500	1475.000	94.800	1500.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1115.000	1325.000

5885XXX WHB-5

X1	5885.000	25.000	1159.000	1170.000	1155.000	1155.000	1155.000	0.000	0.000	0.000
GR	110.000	900.000	108.000	935.000	102.300	1000.000	100.200	1025.000	98.400	1050.000
GR	97.300	1075.000	95.900	1100.000	95.400	1125.000	95.300	1150.000	95.300	1159.000
GR	94.200	1164.000	94.200	1166.000	96.000	1170.000	95.500	1175.000	94.600	1200.000
GR	95.200	1225.000	94.900	1250.000	95.200	1275.000	94.900	1300.000	94.900	1300.000
GR	93.100	1325.000	95.500	1350.000	96.900	1375.000	99.200	1400.000	110.000	1470.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1140.000	1240.000

6760XXX WHB-6

X1	5760.000	22.000	1208.000	1300.000	875.000	875.000	875.000	0.000	0.000	0.000
GR	110.000	900.000	103.400	1000.000	100.100	1025.000	99.800	1050.000	99.400	1075.000
GR	98.700	1100.000	99.400	1125.000	97.800	1150.000	98.000	1175.000	97.400	1200.000
GR	97.000	1225.000	95.700	1250.000	97.500	1275.000	97.900	1268.000	94.500	1291.000
GR	93.800	1298.000	97.700	1300.000	96.800	1325.000	97.000	1350.000	99.900	1375.000
GR	103.800	1400.000	110.000	1500.000	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	1100.000	1280.000

7640XXX WHB-7 LOG TAKEN UP A DRAW NON-FFF FLOW WRITTEN OUT

X1	7640.000	21.000	1250.000	1275.000	880.000	880.000	880.000	0.000	0.000	0.000
GR	110.000	890.000	108.000	930.000	104.000	950.000	102.000	960.000	100.000	1000.000
GR	98.000	1010.000	97.900	1050.000	98.100	1075.000	98.100	1100.000	98.600	1125.000
GR	98.200	1150.000	97.900	1175.000	98.300	1200.000	98.400	1250.000	97.100	1255.000
GR	96.000	1259.000	97.100	1268.000	98.500	1275.000	99.700	1300.000	102.500	1320.000
GR	110.000	1420.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1210.000	1320.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1180.000	1320.000

7900XXX TOPD

X1	7900.000	14.000	1250.000	1275.000	260.000	260.000	260.000	0.000	0.000	0.000
GR	108.000	1030.000	109.000	1060.000	102.000	1090.000	100.000	1100.000	98.000	1160.000
GR	98.400	1250.000	97.100	1255.000	96.800	1259.000	97.100	1268.000	96.500	1275.000
GR	99.000	1450.000	100.000	1470.000	102.000	1490.000	110.000	1530.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1075.000	1180.000

7970XXX WHB-8 SR1523

X1	7970.000	18.000	1154.000	1152.000	70.000	70.000	70.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	101.700	101.700	0.000
GR	110.000	900.000	102.000	1000.000	100.000	1025.000	98.200	1075.000	98.400	1100.000
GR	98.700	1125.000	98.600	1134.000	97.900	1137.000	97.000	1142.000	97.500	1147.000
GR	97.800	1150.000	98.700	1152.000	98.500	1175.000	98.600	1200.000	99.300	1218.000
GR	100.200	1325.000	102.000	1350.000	110.000	1410.000	0.000	0.000	0.000	0.000
GR	1.250	2.000	2.500	0.000	16.000	2.500	67.000	0.000	0.000	96.900
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1075.000	1180.000

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X1	8020.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	102.400	105.900	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	105.900	105.900	0.000
BT	8.000	900.000	110.000	0.000	920.000	108.000	0.000	1000.000	106.800	0.000
BT	1070.000	106.000	0.000	1134.000	105.900	102.400	1152.000	105.900	102.400	1345.000
BT	108.400	0.000	1410.000	110.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	6.000	500.000	750.000	1070.000	1225.000	1070.000	1070.000	0.000	0.000	0.000
ET	0.000	9.110	9.110	0.000	0.000	0.000	0.000	0.000	1100.000	1200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1080.000	1180.000

8070XXX WHB-9

X1	8670.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1100.000	1220.000

8240XXX TOPO

X1	8240.000	13.000	1134.000	1152.000	170.000	170.000	170.000	0.000	0.000	0.000
GR	110.000	900.000	108.000	930.000	104.000	960.000	102.000	1050.000	99.000	1070.000
GR	98.600	1134.000	97.900	1137.000	97.000	1142.000	97.500	1147.000	97.600	1150.000
GR	98.700	1152.000	99.000	1280.000	110.000	1430.000	0.000	0.000	0.000	0.000
ET	0.000	9.110	0.000	0.000	0.000	0.000	0.000	0.000	1090.000	1200.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1070.000	1190.000

X1	8360.000	0.000	0.000	0.000	120.000	120.000	120.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1090.000	1210.000

8410XXX WHB-10 WOODS RD

X1	8410.000	11.000	1156.000	1177.000	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	103.500	103.500	0.000
GR	107.000	900.000	102.000	1140.000	100.000	1150.000	99.000	1156.000	94.200	1160.000
GR	94.200	1176.000	99.000	1177.000	100.000	1190.000	102.000	1200.000	104.000	1300.000
GR	107.000	1350.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SD	0.000	9.310	2.500	0.000	10.000	0.000	154.000	0.160	94.200	94.200
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1090.000	1210.000

X1	8430.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	102.200	105.300	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	105.300	105.300	0.000
BT	7.000	900.000	107.000	0.000	975.000	105.500	0.000	1150.000	105.400	0.000
BT	1150.000	105.500	102.200	1177.000	105.300	102.200	1275.000	105.500	0.000	1350.000
BT	107.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1080.000	1220.000

8530XXX TOPO

X1	8530.000	13.000	1134.000	1150.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	110.000	870.000	104.000	910.000	102.000	1040.000	99.000	1070.000	99.000	1134.000
GR	97.300	1138.000	97.300	1142.000	97.600	1146.000	99.000	1150.000	99.000	1240.000
GR	100.000	1300.000	104.000	1350.000	110.000	1370.000	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	1090.000	1250.000

8770XXX WHB-11

X1	8770.000	13.000	1134.000	1150.000	240.000	240.000	240.000	0.000	0.000	0.000
GR	110.000	960.000	102.800	1000.000	101.500	1025.000	100.000	1050.000	99.100	1075.000

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GR	99,000	1150,000	99,200	1300,000	100,500	1325,000	103,000	1350,000	110,000	1380,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1090,000	1250,000

8800XXXXXXX HOWELLS RR THIS CONFLUENCE & UPPER STUDY LIMIT XXXXXXXX

X1	8800,000	0,000	0,000	0,000	30,000	30,000	30,000	0,000	0,000	0,000
GR	6,000	200,000	450,000	600,000	830,000	600,000	600,000	0,000	0,000	0,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1025,000	1160,000

270XXX WHBT-1 APROX STDY IN INS REPORT

X1	270,000	15,000	1107,000	1117,000	300,000	300,000	300,000	0,000	0,000	0,000
GR	103,900	1000,000	100,600	1011,000	100,300	1025,000	100,700	1050,000	100,500	1075,000
GR	100,700	1100,000	100,500	1107,000	98,400	1109,000	98,300	1112,000	99,600	1116,000
GR	100,600	1117,000	100,300	1125,000	101,200	1150,000	103,300	1175,000	104,000	1185,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1030,000	1150,000

760XXX WHBT-2

X1	760,000	15,000	1050,000	1067,000	490,000	490,000	490,000	0,000	0,000	0,000
GR	108,900	1000,000	106,200	1025,000	103,300	1041,000	102,500	1050,000	102,100	1056,000
GR	101,600	1059,000	102,300	1062,000	102,500	1067,000	102,500	1075,000	102,900	1100,000
GR	102,400	1125,000	102,100	1150,000	101,900	1175,000	103,500	1200,000	110,000	1235,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1030,000	1100,000

1250XXX WHBT-3

X1	1250,000	10,000	1050,000	1060,000	490,000	490,000	490,000	0,000	0,000	0,000
GR	110,000	965,000	105,100	1025,000	104,200	1050,000	102,900	1052,000	102,600	1056,000
GR	103,200	1059,000	103,800	1060,000	103,800	1075,000	103,800	1151,000	108,400	1175,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	900,000	1025,000

X1	1300,000	9,000	995,000	1008,000	250,000	250,000	250,000	0,000	0,000	0,000
GR	112,000	800,000	108,000	850,000	106,000	900,000	105,400	995,000	103,300	997,000
GR	105,300	1003,000	105,400	1008,000	106,000	1030,000	114,000	1070,000	0,000	0,000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1080,000	1150,000

1990XXX WHBT-4

X1	1990,000	15,000	1155,000	1140,000	450,000	450,000	450,000	0,000	0,000	0,000
GR	113,800	1000,000	111,900	1008,000	111,100	1025,000	109,800	1050,000	109,300	1075,000
GR	108,500	1100,000	108,500	1125,000	108,100	1133,000	105,000	1135,000	105,400	1138,000
GR	108,300	1140,000	108,200	1150,000	108,400	1158,000	112,800	1175,000	116,800	1200,000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR = .01,02,03
MODIFICATION = .50,51,52,53

T1 FPM-FIS GWP6MAR80
T2 100 ENC
T3 HOWELLS BR GOLDSBORO NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	6.	0.	0.	0.000000	0.00	0.0	0.	88.400	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

 HEC2, RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR = 01,02,03
 MODIFICATION = 50,51,52,53

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

HOWELLS BR GOLDSBORO NC

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	FLLC	10K*8	0
2970.000	88.40	88.58	81.30	0.00	58.79	1640.00
2970.000	88.40	88.51	81.30	0.00	35.53	1275.00
2971.000	88.41	88.59	81.30	0.00	58.17	1640.00
2971.000	88.40	88.51	81.30	0.00	35.31	1275.00
2972.000	88.42	88.59	81.30	0.00	57.33	1640.00
2972.000	88.41	88.52	81.30	0.00	35.03	1275.00
2974.000	88.43	88.60	81.30	0.00	55.86	1640.00
2974.000	88.42	88.52	81.30	0.00	34.53	1275.00
2978.000	88.47	88.63	81.30	0.00	53.18	1640.00
2978.000	88.44	88.54	81.30	0.00	33.58	1275.00
2990.000	88.55	88.69	81.30	0.00	44.92	1640.00
2990.000	88.48	88.58	81.30	0.00	31.08	1275.00
330.000	89.51	89.61	80.90	0.00	12.56	1340.00
330.000	89.36	89.51	80.90	0.00	17.34	1340.00
370.000	89.45	89.82	80.90	0.00	84.63	1340.00
* 370.000	89.33	89.86	80.90	0.00	113.33	1340.00
449.000	92.77	92.80	81.70	90.60	4.26	1340.00
449.000	92.82	92.90	81.70	90.60	9.98	1340.00
490.000	92.74	92.82	82.10	0.00	2.18	1340.00
490.000	92.86	92.93	82.10	0.00	4.48	1340.00
630.000	92.83	92.84	83.30	0.00	1.23	1340.00
630.000	92.93	93.00	83.30	0.00	6.97	1340.00
1000.000	92.89	92.89	84.00	0.00	1.92	1330.00
1000.000	93.22	93.25	84.00	0.00	5.57	1330.00
1720.000	93.10	93.12	85.00	0.00	5.59	1330.00
1720.000	93.70	93.72	85.00	0.00	6.50	1330.00

SECNO	CWSEL	EG	ELMIN	ELLC	10K*8	Q
2300.000	93.36	93.37	87.00	0.00	3.56	1330.00
2300.000	94.09	94.12	87.00	0.00	7.14	1330.00
2820.000	93.58	93.59	88.40	0.00	5.09	1330.00
2820.000	94.42	94.44	88.40	0.00	5.23	1330.00
3970.000	94.81	94.87	90.50	0.00	38.25	1330.00
3970.000	95.60	95.67	90.50	0.00	31.15	1330.00
4730.000	96.62	96.64	92.10	0.00	15.02	1200.00
4730.000	97.40	97.44	92.10	0.00	17.56	1200.00
5885.000	98.40	98.43	94.20	0.00	15.92	1200.00
5885.000	99.16	99.20	94.20	0.00	13.28	1200.00
6760.000	100.13	100.18	93.80	0.00	25.49	1200.00
6760.000	100.61	100.67	93.80	0.00	21.78	1200.00
7640.000	101.53	101.56	96.00	0.00	10.60	1200.00
7640.000	102.20	102.25	96.00	0.00	15.09	1200.00
7900.000	101.79	101.81	96.80	0.00	8.34	1200.00
7900.000	102.61	102.69	96.80	0.00	18.85	1200.00
7970.000	101.85	101.88	97.00	0.00	12.37	1200.00
7970.000	102.75	102.89	97.00	0.00	34.97	1200.00
8020.000	106.93	106.93	97.00	102.40	0.45	1200.00
8020.000	107.25	107.28	97.00	102.40	3.61	1200.00
8070.000	106.93	106.93	97.00	0.00	0.35	1070.00
8070.000	107.27	107.30	97.00	0.00	3.12	1070.00
8240.000	106.94	106.94	97.00	0.00	0.53	1070.00
8240.000	107.33	107.35	97.00	0.00	2.44	1070.00
8360.000	106.94	106.95	97.00	0.00	6.52	1070.00
8360.000	107.36	107.38	97.00	0.00	2.83	1070.00
8410.000	106.94	106.96	94.20	0.00	2.09	1070.00
8410.000	107.36	107.40	94.20	0.00	4.58	1070.00
8430.000	107.00	107.02	94.20	102.20	2.01	1070.00
8430.000	107.51	107.56	94.20	102.20	3.37	1070.00
8530.000	107.03	107.03	97.30	0.00	0.47	1070.00
8530.000	107.57	107.59	97.30	0.00	1.88	1070.00
8770.000	107.04	107.04	97.30	0.00	0.47	1070.00
8770.000	107.61	107.63	97.30	0.00	1.03	1070.00
8800.000	107.04	107.05	97.30	0.00	0.47	1070.00
8800.000	107.62	107.65	97.30	0.00	1.43	1070.00
270.000	107.06	107.06	98.30	0.00	1.07	600.00
270.000	107.66	107.67	98.30	0.00	1.28	600.00

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SECNO	CWSEL	EG	VEUMIN	ELLC	10K*8	Q
760.000	107.14	107.15	101.60	0.00	2.91	600.00
760.000	107.76	107.78	101.60	0.00	4.29	600.00
1250.000	107.38	107.41	102.60	0.00	11.99	600.00
1250.000	108.07	108.10	102.60	0.00	10.42	600.00
1500.000	107.84	107.92	103.30	0.00	36.83	600.00
1500.000	108.42	108.49	103.30	0.00	23.37	600.00
1990.000	110.40	110.68	105.00	0.00	116.55	600.00
1990.000	110.51	110.87	105.00	0.00	177.53	600.00

HOWELLS BR GOLDSBORO NC

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
2970.000	88.40	1800.76	1990.00	2013.00	2335.29	534.53
2970.000	88.40	1800.76	1990.00	2013.00	2335.29	534.53
2971.000	88.41	1800.76	1990.00	2013.00	2335.64	534.88
2971.000	88.40	1800.76	1990.00	2013.00	2335.50	534.74
2972.000	88.42	1800.75	1990.00	2013.00	2336.12	535.36
2972.000	88.41	1800.76	1990.00	2013.00	2335.76	535.00
2974.000	88.43	1800.74	1990.00	2013.00	2336.98	536.24
2974.000	88.42	1800.75	1990.00	2013.00	2336.23	535.00
2978.000	88.47	1800.71	1990.00	2013.00	2338.61	537.90
2978.000	88.43	1800.74	1990.00	2013.00	2337.16	536.42
2990.000	88.55	1800.65	1990.00	2013.00	2344.38	543.75
2990.000	88.48	1800.70	1990.00	2013.00	2334.75	539.05
330.000	89.51	1830.00	1980.00	2018.00	2182.33	336.98
330.000	89.36	1840.00	1980.00	2018.00	2070.00	196.10
370.000	89.45	1870.00	1995.00	2006.00	2179.45	280.08
370.000	89.33	1870.00	1995.00	2006.00	2080.00	160.13
449.000	92.77	1870.00	1995.00	2006.00	2200.00	330.00
449.000	92.82	1975.00	1995.00	2006.00	2100.00	125.00
490.000	92.79	1830.00	1985.00	2020.00	2240.00	410.00
490.000	92.86	1975.00	1985.00	2020.00	2100.00	125.00
630.000	92.83	1803.35	1990.00	2010.00	2249.16	445.81
630.000	92.93	1950.00	1990.00	2010.00	2050.00	100.00
1000.000	92.89	910.37	1150.00	1175.00	1468.92	554.61
1000.000	93.22	1120.00	1150.00	1175.00	1300.00	180.00
1720.000	93.10	951.42	1150.00	1175.00	1427.56	476.14
1720.000	93.70	1075.00	1150.00	1175.00	1400.00	225.00
2300.000	93.36	862.71	996.00	1006.00	1116.82	454.11
2300.000	94.07	830.00	996.00	1006.00	1030.00	200.00
2820.000	93.58	900.45	1227.00	1245.00	1436.38	535.93
2820.000	94.42	1050.00	1227.00	1245.00	1250.00	230.00
3970.000	94.81	1010.60	1117.00	1126.00	1311.84	301.24
3970.000	95.60	1050.00	1117.00	1126.00	1240.00	190.00
4730.000	96.62	1071.92	1200.00	1208.00	1500.00	428.08
4730.000	97.40	1180.00	1200.00	1208.00	1480.00	220.00
5885.000	98.40	1049.94	1159.00	1170.00	1391.35	341.41
5885.000	99.16	1115.00	1159.00	1170.00	1325.00	210.00

PRINTED IN U.S.A.

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
6760.000	100.13	1024.80	1288.00	1300.00	1376.45	351.66
6760.000	100.61	1140.00	1288.00	1306.00	1340.00	200.00
7640.000	101.53	969.45	1250.00	1275.00	1313.05	343.60
7640.000	102.20	1100.00	1250.00	1275.00	1280.00	140.00
7900.000	101.79	1091.07	1250.00	1275.00	1487.85	396.78
7900.000	102.61	1180.00	1250.00	1275.00	1320.00	140.00
7970.000	101.85	1001.85	1134.00	1152.00	1347.95	346.10
7970.000	102.75	1075.00	1134.00	1152.00	1180.00	105.00
* 8020.000	106.93	938.37	1134.00	1152.00	1386.98	448.61
* 8020.000	107.25	1075.00	1134.00	1152.00	1180.00	105.00
8070.000	106.93	938.37	1134.00	1152.00	1386.98	448.61
8070.000	107.27	1080.00	1134.00	1152.00	1180.00	100.00
8240.000	106.94	937.97	1134.00	1152.00	1388.23	450.26
8240.000	107.33	1100.00	1134.00	1152.00	1220.00	120.00
8360.000	106.94	937.93	1134.00	1152.00	1388.30	450.37
8360.000	107.36	1070.00	1134.00	1152.00	1190.00	120.00
8410.000	106.94	902.59	1156.00	1177.00	1349.10	446.50
8410.000	107.36	1090.00	1156.00	1177.00	1210.00	120.00
8430.000	107.00	900.00	1156.00	1177.00	1350.00	450.00
8430.000	107.51	1090.00	1156.00	1177.00	1210.00	120.00
8530.000	107.03	889.83	1134.00	1150.00	1360.08	470.25
8530.000	107.57	1080.00	1134.00	1150.00	1220.00	140.00
8770.000	107.04	976.38	1134.00	1150.00	1367.36	390.98
8770.000	107.61	1090.00	1134.00	1150.00	1250.00	160.00
8800.000	107.04	976.43	1134.00	1150.00	1367.33	390.90
8800.000	107.62	1090.00	1134.00	1150.00	1250.00	160.00
270.000	107.06	1000.00	1107.00	1117.00	1185.00	185.00
270.000	107.66	1025.00	1107.00	1117.00	1160.00	135.00
760.000	107.14	1016.32	1050.00	1067.00	1219.59	203.27
760.000	107.76	1030.00	1050.00	1067.00	1150.00	120.00
1250.000	107.38	997.05	1050.00	1060.00	1169.69	172.64
1250.000	108.07	1030.00	1050.00	1060.00	1140.00	110.00
1500.000	107.84	850.05	995.00	1008.00	1039.19	185.14
1500.000	108.42	900.00	995.00	1008.00	1025.00	125.00
1990.000	110.48	1036.88	1133.00	1140.00	1166.04	129.16
1990.000	110.51	1080.00	1133.00	1140.00	1150.00	70.00

SUMMARY OF ERRORS

CAUTION SECNO= 370.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

PRINTED IN U.S.A.

CAUTION SECNO= 370.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WHEEL

CAUTION SECNO= 8020.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 8020.000 PROFILE= 2 HYDRAULIC JUMP D.S.

FLOODWAY DATA, HOWELLS BR GOLDSBORO INC
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
2970.000	535	756	1.7	88.4	88.4	0.0
2971.000	535	758	1.7	88.4	88.4	0.0
2972.000	535	760	1.7	88.4	88.4	0.0
2974.000	535	765	1.7	88.4	88.4	0.0
2978.000	536	773	1.6	88.5	88.5	0.0
2980.000	539	797	1.6	88.6	88.6	0.0
330.000	230	495	2.7	89.5	89.5	0.0
370.000	210	260	5.2	89.5	89.5	0.0
449.000	125	612	2.2	92.8	92.8	0.0
490.000	125	715	1.9	92.9	92.8	0.1
630.000	100	653	2.1	92.9	92.8	0.1
1000.000	180	1037	1.3	93.2	92.9	0.3
1720.000	225	1135	1.2	93.7	93.1	0.6
2300.000	260	1079	1.2	94.1	93.4	0.7
2820.000	230	1233	1.1	94.4	93.6	0.8
3970.000	190	674	2.0	95.6	94.8	0.8
4730.000	220	799	1.5	97.8	96.6	1.2
5885.000	210	858	1.4	98.2	98.4	-0.2
6760.000	200	704	1.7	100.6	100.1	0.5
7600.000	180	752	1.7	102.2	101.5	0.7
7900.000	140	620	1.9	102.6	101.8	0.8
7970.000	105	461	2.8	102.8	101.0	1.8
8020.000	105	935	1.3	107.2	106.9	0.3
8070.000	100	852	1.2	107.2	106.9	0.3
8240.000	120	1049	1.0	107.3	106.9	0.4
8360.000	120	1051	1.0	107.3	106.9	0.4
8410.000	120	836	1.3	107.3	106.9	0.4
8430.000	120	850	1.3	107.5	107.0	0.5
8530.000	140	1214	0.9	107.5	107.0	0.5
8770.000	160	1340	0.8	107.7	107.0	0.7
8800.000	160	1389	0.8	107.7	107.0	0.7
270.000	135	957	0.8	107.7	107.1	0.6
760.000	120	611	1.0	107.7	107.1	0.6
1250.000	110	462	1.3	108.1	107.4	0.7
1500.000	125	385	1.6	108.4	107.8	0.6
1990.000	70	157	3.8	110.5	110.5	0.0

A
B
C
D
E
F
G
H
I
J

THIS RUN EXECUTED 12 MAR 80 9:07:38

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53

STOP
==> T1 IPM-FIS GNP6MAR80

*****JOBCTRL ER 117 : INVALID JCL OR PROGRAM NAME.
*****J:72202ZHOWER JOBCTRL CP:C AB 24 03037 : PROGRAM CALLED ABORT
*****JOB EXITED ON 12 MAR 80 9:07:40 *****
*****CPU TIME= 0MINS 28.59SECS *****
*****CONNECT TIME= 2MINS 13SECS *****