

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BT | 550.000 | 2000.000 | 561.300 | 550.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 550.000 |
| BT | 2300.000 | 552.400 | 550.000 | 2400.000 | 551.600 | 550.000 | 2900.000 | 551.800 | 550.000 | 3000.000 |
| RT | 552.500 | 550.000 | 3100.000 | 554.900 | 550.000 | 3400.000 | 570.000 | 550.000 | -0.000 | -0.000 |
| GR | 595.800 | 0.000 | 572.300 | 400.000 | 568.900 | 500.000 | 566.400 | 600.000 | 565.200 | 700.000 |
| GR | 566.300 | 900.000 | 565.900 | 1389.000 | 554.500 | 1390.000 | 553.100 | 1419.000 | 566.900 | 1420.000 |
| GR | 560.900 | 1421.000 | 554.000 | 1422.000 | 539.500 | 1452.000 | 566.900 | 1453.000 | 566.900 | 1454.000 |
| GR | 538.000 | 1455.000 | 535.000 | 1465.000 | 560.900 | 1486.000 | 566.900 | 1487.000 | 535.300 | 1488.000 |
| GR | 546.000 | 1518.000 | 566.900 | 1519.000 | 566.900 | 1520.000 | 548.300 | 1521.000 | 557.000 | 1551.000 |
| GR | 566.900 | 1552.000 | 566.900 | 1553.000 | 556.500 | 1554.000 | 556.100 | 1584.000 | 566.900 | 1585.000 |
| GR | 566.900 | 1586.000 | 556.100 | 1587.000 | 556.200 | 1622.000 | 566.900 | 1623.000 | 566.900 | 1624.000 |
| GR | 565.900 | 1800.000 | 564.100 | 1900.000 | 561.300 | 2000.000 | 557.800 | 2100.000 | 554.200 | 2200.000 |
| GR | 552.400 | 2300.000 | 551.600 | 2400.000 | 551.800 | 2900.000 | 552.500 | 3000.000 | 554.900 | 3100.000 |
| GR | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1087.000 | -0.000 | -0.000 | -0.000 | 26.000 | 26.000 | 26.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1088.000 | 38.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 566.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1338.000 | 38.000 | 1418.000 | 1542.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 566.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 5750.000 | 23.000 | 674.000 | 810.000 | 4612.000 | 4612.000 | 4612.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 580.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 584.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| Y1 | 8007.000 | 50.000 | -0.000 | -0.000 | 2257.000 | 2257.000 | 2257.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8057.000 | 23.000 | 600.000 | 840.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 640.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8067.000 | 37.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 15.000 | 5.000 | 600.000 | 560.100 | 100.000 | 595.400 | 560.100 | 200.000 | 589.000 | 568.100 |
| BT | 300.000 | 581.900 | 568.100 | 400.000 | 575.200 | 568.100 | 500.000 | 571.700 | 568.100 | 600.000 |
| BT | 570.700 | 568.100 | 840.000 | 570.700 | 568.100 | 900.000 | 570.700 | 568.100 | 1000.000 | 570.600 |
| BT | 568.100 | 1100.000 | 571.300 | 568.100 | 1200.000 | 573.100 | 568.100 | 1300.000 | 578.000 | 568.100 |
| BT | 1400.000 | 584.600 | 568.100 | 1500.000 | 592.500 | 568.100 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 600.000 | 0.000 | 595.400 | 100.000 | 589.000 | 200.000 | 581.900 | 300.000 | 575.800 | 400.000 |
| GR | 571.700 | 500.000 | 570.700 | 600.000 | 564.500 | 601.000 | 561.400 | 641.000 | 570.700 | 642.000 |
| GR | 570.700 | 643.000 | 561.400 | 644.000 | 550.000 | 684.000 | 570.700 | 685.000 | 570.700 | 666.000 |

FINAL FWF TABLE

| | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|
| GR | 720.000 | 622.000 | 546.000 | 727.000 | 570.700 | 728.000 | 570.700 | 729.000 | 546.000 | 730.000 |
| GR | 546.000 | 770.000 | 570.700 | 771.000 | 570.700 | 772.000 | 546.000 | 773.000 | 557.000 | 813.000 |
| GR | 570.700 | 814.000 | 570.700 | 815.000 | 557.000 | 816.000 | 559.500 | 839.000 | 570.700 | 840.000 |
| GR | 570.700 | 960.000 | 570.600 | 1000.000 | 571.300 | 1100.000 | 573.100 | 1200.000 | 578.000 | 1300.000 |
| GR | 584.600 | 1400.000 | 592.500 | 1500.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8092.000 | -0.000 | -0.000 | -0.000 | 25.000 | 25.000 | 25.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8093.000 | 23.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 570.800 | 570.800 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 569.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8143.000 | 23.000 | 674.000 | 818.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 9443.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | 7.700 | -0.000 |
| X1 | 10743.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | 9.600 | -0.000 |
| X3 | 12230.000 | 34.000 | 230.000 | 730.000 | 1487.000 | 1487.000 | 1487.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 90.000 | 620.000 | 140.000 | 600.000 | 200.000 | 586.400 | 230.000 |
| GR | 588.400 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 |
| GR | 576.800 | 330.000 | 575.300 | 350.000 | 576.500 | 370.000 | 576.400 | 390.000 | 577.000 | 410.000 |
| GR | 576.600 | 430.000 | 575.800 | 450.000 | 576.900 | 470.000 | 576.600 | 490.000 | 576.300 | 510.000 |
| GR | 575.900 | 530.000 | 575.600 | 550.000 | 575.800 | 570.000 | 575.000 | 590.000 | 575.300 | 610.000 |
| GR | 575.700 | 630.000 | 576.900 | 650.000 | 575.400 | 670.000 | 575.700 | 690.000 | 575.100 | 710.000 |
| GR | 587.700 | 730.000 | 600.000 | 800.000 | 620.000 | 830.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| X1 | 12240.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12250.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12270.000 | -0.000 | -0.000 | -0.000 | 20.000 | 20.000 | 20.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12260.000 | 9.000 | 230.000 | 434.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 90.000 | 620.000 | 140.000 | 600.000 | 200.000 | 586.400 | 230.000 |
| GR | 588.400 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12290.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12300.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12305.000 | 19.000 | 233.000 | 434.000 | 5.000 | 5.000 | 5.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 90.000 | 620.000 | 140.000 | 600.000 | 200.000 | 587.600 | 230.000 |
| GR | 583.900 | 250.000 | 582.000 | 270.000 | 581.500 | 290.000 | 581.000 | 310.000 | 581.200 | 330.000 |
| GR | 560.400 | 350.000 | 560.600 | 370.000 | 561.300 | 390.000 | 562.100 | 410.000 | 564.100 | 414.000 |
| GR | 587.000 | 434.000 | 600.000 | 800.000 | 620.000 | 830.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12320.000 | -0.000 | -0.000 | -0.000 | 15.000 | 15.000 | 15.000 | -0.000 | -0.000 | -0.000 |

| | | | | | | | | | | |
|-----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |
| X1 | 21230.000 | 35.000 | 350.000 | 867.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 350.000 | 630.000 | 344.000 | 630.000 | 346.000 | 630.000 | 318.000 |
| GR | 629.200 | 350.000 | 604.200 | 370.000 | 603.700 | 390.000 | 603.500 | 410.000 | 603.200 | 430.000 |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 |
| GR | 603.800 | 550.000 | 602.700 | 577.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.100 | 710.000 | 604.800 | 730.000 |
| GR | 605.400 | 750.000 | 604.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 |
| GR | 604.700 | 850.000 | 630.600 | 860.000 | 640.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 |
| EJ3 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

3685 20 TRIALS USED KSECT,GNSEL
 ERROR STATEMENT APPLIES TO SECTION 12280.000

7105 MIN SPECIFIC ENERGY

370 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIED TO SECTION 12280.000

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 40,51,52,53,54,55,56,57,58

T1 HPM BR MADISON-MAYODAN NC FIS
 T2 50 YR NATURAL
 T3 MAYO RIVER VICINITY N MADISON-MAYODAN NC

| J1 | ICHECK | IND | NTNV | IQTR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | -10 | 15 | 3 | 0 | 001500 | -0.00 | -0.0 | -0. | 557.000 | -0.000 |
| J2 | NPROF | IPLUT | PRFVS | XSEV | XSECH | FN | ALDGC | ISW | CHNIN | ITRACE |
| | 2.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

3685 20 TRIALS USED WSEL/ONSEL
 ERROR STATEMENT APPLIES TO SECTION 12280.000

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH
 ERROR STATEMENT APPLIES TO SECTION 12280.000

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FLS
 T2 100 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | TCHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FQ |
|----|--------|-----|------|------|---------|--------|-------|----|---------|--------|
| | -10 | 4 | -0 | -0 | .001500 | -0.00 | -0.0 | -0 | 560.000 | -0.000 |

| J2 | NPRD | IPLD | PREVS | XSECV | XSECH | FN | ALLDC | IBW | CHNM | ITRACE |
|----|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

3005.20 TRIALS USED WSEL, QSEL
 ERROR STATEMENT APPLIES TO SECTION 12280.000

7185 MIN SPECIFIC ENERGY

3220 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12280.000

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS: 01, 02, 03, 04, 15, 06, 07, 08, 09
 MODIFICATIONS: 50, 51, 52, 53, 54, 55, 56, 57, 58.

T1 FPM DR MADISON-MAYODAN NO FIS
 T2 500 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | ICRECK | JNO | NINV | IDIR | STRT | METRIC | HVINS | D | WSEL | FD |
|----|--------|-----|------|------|---------|--------|-------|----|---------|--------|
| | -10 | 5 | -0 | -0 | .001500 | -0.00 | -0.0 | -0 | 563.000 | -0.000 |

| J2 | HPROF | IPLT | PRFVS | XSECV | XSECH | FN | ALDCC | IRW | CHNTH | ITRACE |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 15.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

7195 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 5750.000

7195 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 10743.000

3695 20 TRIALS USED WSEL, CHSEL

ERROR STATEMENT APPLIES TO SECTION 12200.000

7195 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12200.000

7195 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12305.000

FLOOD INSURANCE ZONE DATA FOR MAYO RIVER VICINITY OF M

FLOOD HAZARD FACTOR FOR PIPE REACH USING SECTIONS

| SECTION NUMBER | CUMULATIVE DISTANCE | ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND | | |
|------------------------|---------------------|---|------|------|
| | | 10' | 2' | 0.2' |
| 1.000 | 0. | -4.6 | -1.4 | 3.9 |
| 50.000 | 50. | -4.6 | -1.4 | 3.8 |
| 100.000 | 100. | -4.6 | -1.4 | 3.8 |
| 150.000 | 150. | -4.6 | -1.4 | 3.8 |
| 200.000 | 200. | -4.6 | -1.4 | 3.8 |
| 1010.000 | 1010. | -4.7 | -1.4 | 3.8 |
| 1060.000 | 1060. | -4.8 | -1.4 | 3.8 |
| 1061.000 | 1061. | -4.6 | -1.4 | 3.8 |
| 1087.000 | 1087. | -4.6 | -1.4 | 3.8 |
| 1088.000 | 1088. | -4.7 | -1.4 | 3.8 |
| 1126.000 | 1126. | -4.6 | -1.4 | 3.8 |
| 1250.000 | 1250. | -5.4 | -1.5 | 4.2 |
| 8007.000 | 8007. | -8.9 | -2.0 | 7.4 |
| 8027.000 | 8027. | -9.3 | -2.4 | 7.0 |
| 8067.000 | 8068. | -9.7 | -3.2 | 7.8 |
| 8082.000 | 8083. | -9.7 | -3.1 | 7.8 |
| 8092.000 | 8084. | -9.4 | -2.8 | 7.6 |
| 8113.000 | 8134. | -9.2 | -2.6 | 7.6 |
| 8419.000 | 8439. | -8.8 | -2.6 | 7.4 |
| 10743.000 | 10735. | -6.9 | -2.1 | 6.6 |
| 12230.000 | 12221. | -8.2 | -2.0 | 6.7 |
| 12240.000 | 12231. | -8.2 | -2.6 | 6.7 |
| 12250.000 | 12241. | -8.2 | -2.6 | 6.7 |
| 12270.000 | 12261. | -8.3 | -2.6 | 6.7 |
| 12280.000 | 12271. | -8.9 | -3.2 | 5.4 |
| 12290.000 | 12281. | -7.2 | -1.5 | 3.9 |
| 12300.000 | 12291. | -4.3 | -1.3 | 3.8 |
| 12305.000 | 12296. | -3.1 | -1.1 | 3.2 |
| 12320.000 | 12311. | -3.3 | -1.1 | 5.0 |
| 12370.000 | 12361. | -3.7 | -1.3 | 5.1 |
| 12420.000 | 12411. | -4.0 | -1.3 | 5.2 |
| 12520.000 | 12511. | -4.5 | -1.6 | 5.2 |
| 21230.000 | 21221. | -6.7 | -2.1 | 5.4 |
| WEIGHTED AVG FOR REACH | | -6.1 | 4.9 | 5.3 |

NOTE FOR THE REACH = 660 FT. FROM START OF THE REACH WITHIN 5.0 FEET ZONE FOR THE REACH = 412

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN IMPONENTS

| INC. NO. | TOTAL LENGTH | AVG ELEVATION DATA | | HTD. AVG. | PERCENT WITHIN |
|----------|--------------|--------------------|-------|-----------|----------------|
| | | 10' | 2' | | |
| 0. | | | | | |
| 1 | 128. | 554.3 | 558.9 | 4.6 | 100. |

SEC. 1.000

| Station | 100 | 150 | 200 | SEC | 100,000 | 150,000 | 200,000 |
|---------|-------|-------|-------|------|---------|---------------|---------|
| 2 | 256. | 552.5 | 559.1 | -4.6 | -4.6 | 045 | 100. |
| 3 | 364. | 554.6 | 559.3 | -4.6 | -4.6 | 045 | 100. |
| 4 | 512. | 552.4 | 558.5 | -4.6 | -4.6 | 045 | 100. |
| 5 | 640. | 555.1 | 559.7 | -4.6 | -4.6 | 045 | 100. |
| 6 | 768. | 555.0 | 559.6 | -4.6 | -4.6 | 045 | 100. |
| 7 | 896. | 554.4 | 559.1 | -4.6 | -4.6 | 045 | 100. |
| 8 | 1024. | 555.6 | 560.3 | -4.7 | -4.6 | 045 | 100. |
| 9 | 1152. | 556.3 | 560.7 | -4.6 | -4.6 | 045 | 100. |
| 10 | 1280. | 556.2 | 560.8 | -4.6 | -4.6 | 045 | 100. |
| 11 | 1408. | 556.4 | 561.0 | -4.7 | -4.6 | 045 | 100. |
| 12 | 1536. | 556.5 | 561.2 | -4.7 | -4.6 | 045 | 100. |
| 13 | 1664. | 559.7 | 564.4 | -4.7 | -4.6 | 045 | 100. |
| 14 | 1792. | 556.9 | 561.7 | -4.7 | -4.7 | 045 | 100. |
| 15 | 1920. | 557.1 | 561.9 | -4.7 | -4.7 | 045 | 100. |
| 16 | 2048. | 557.2 | 562.2 | -4.7 | -4.7 | 045 | 100. |
| 17 | 2176. | 557.5 | 562.3 | -4.8 | -4.7 | 045 | 100. |
| 18 | 2304. | 557.7 | 562.5 | -4.8 | -4.7 | 045 | 100. |
| 19 | 2432. | 557.9 | 562.7 | -4.8 | -4.7 | 045 | 100. |
| 20 | 2560. | 558.1 | 562.9 | -4.9 | -4.7 | 045 | 100. |
| 21 | 2688. | 558.3 | 563.1 | -4.9 | -4.7 | 045 | 100. |
| 22 | 2816. | 558.5 | 563.3 | -4.9 | -4.7 | 045 | 100. |
| 23 | 2944. | 558.7 | 563.6 | -4.9 | -4.7 | 045 | 100. |
| 24 | 3072. | 558.5 | 563.8 | -4.9 | -4.7 | 045 | 100. |
| 25 | 3200. | 559.0 | 564.1 | -4.9 | -4.7 | 045 | 100. |
| 26 | 3328. | 559.2 | 564.3 | -4.9 | -4.8 | 050 | 100. |
| 27 | 3456. | 559.4 | 564.4 | -5.0 | -4.8 | 050 | 100. |
| 28 | 3584. | 559.6 | 564.6 | -5.0 | -4.8 | 050 | 100. |
| 29 | 3712. | 559.8 | 564.9 | -5.1 | -4.8 | 050 | 100. |
| 30 | 3840. | 560.0 | 565.1 | -5.1 | -4.8 | 050 | 100. |
| 31 | 3968. | 560.2 | 565.3 | -5.1 | -4.8 | 050 | 100. |
| 32 | 4096. | 560.4 | 565.5 | -5.1 | -4.8 | 050 | 100. |
| 33 | 4224. | 560.6 | 565.7 | -5.2 | -4.8 | 050 | 100. |
| 34 | 4352. | 560.8 | 565.9 | -5.2 | -4.8 | 050 | 100. |
| 35 | 4480. | 561.0 | 566.1 | -5.2 | -4.8 | 050 | 100. |
| 36 | 4608. | 561.1 | 566.4 | -5.3 | -4.9 | 050 | 100. |
| 37 | 4736. | 561.3 | 566.6 | -5.3 | -4.9 | 050 | 100. |
| 38 | 4864. | 561.5 | 566.8 | -5.3 | -4.9 | 050 | 100. |
| 39 | 4992. | 561.7 | 567.0 | -5.3 | -4.9 | 050 | 100. |
| 40 | 5120. | 561.9 | 567.2 | -5.3 | -4.9 | 050 | 100. |
| 41 | 5248. | 562.1 | 567.4 | -5.3 | -4.9 | 050 | 100. |
| 42 | 5376. | 562.3 | 567.6 | -5.4 | -4.9 | 050 | 100. |
| 43 | 5504. | 562.5 | 567.8 | -5.4 | -4.9 | 050 | 100. |
| 44 | 5632. | 562.7 | 568.1 | -5.4 | -4.9 | 050 | 100. |
| 45 | 5750. | | | | | SEC. 5750.000 | |
| 45 | 5760. | 562.9 | 568.3 | -5.4 | -4.9 | 050 | 100. |
| 46 | 5888. | 563.1 | 568.5 | -5.5 | -5.0 | 050 | 100. |
| 47 | 6016. | 563.3 | 568.7 | -5.7 | -5.0 | 050 | 100. |
| 48 | 6144. | 563.5 | 569.0 | -5.9 | -5.0 | 050 | 100. |
| 49 | 6272. | 563.8 | 569.3 | -6.1 | -5.0 | 050 | 98. |
| 50 | 6400. | 564.0 | 570.3 | -6.3 | -5.0 | 050 | 96. |
| 51 | 6528. | 564.2 | 571.5 | -6.5 | -5.1 | 050 | 94. |

570.5
572.7
8.1
572.1
567.4
114.7
571.7
564.4

Break RT
51, 25, 165

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND
10# 2# 0.2#

WEIGHTED AVG FOR REACH -5.1 -1.5 4.1

THE FLOOD REACH 1 = 050 WITH 90% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A10

| | | | | | | | |
|----|--------|-------|-------|------|------|------|-----------|
| 52 | 6656. | 564.5 | 571.2 | -6.7 | -6.7 | 065 | 100. |
| 53 | 6784. | 564.7 | 571.6 | -6.9 | -6.8 | 070 | 100. |
| 54 | 6924. | 564.9 | 572.1 | -7.1 | -6.9 | 070 | 100. |
| 55 | 7040. | 565.2 | 572.5 | -7.3 | -7.0 | 070 | 100. |
| 56 | 7168. | 565.4 | 572.9 | -7.5 | -7.1 | 070 | 100. |
| 57 | 7296. | 565.6 | 573.4 | -7.7 | -7.2 | 070 | 100. |
| 58 | 7424. | 565.8 | 573.8 | -7.9 | -7.3 | 075 | 100. |
| 59 | 7552. | 566.1 | 574.2 | -8.1 | -7.4 | 075 | 100. |
| 60 | 7680. | 566.3 | 574.6 | -8.3 | -7.5 | 075 | 100. |
| 61 | 7808. | 566.6 | 575.1 | -8.5 | -7.6 | 075 | 100. |
| 62 | 7936. | 566.8 | 575.5 | -8.7 | -7.7 | 075 | 100. |
| | 8007. | | | | | SEC. | 8007.000 |
| | 8057. | | | | | SEC. | 8057.000 |
| | 8078. | | | | | SEC. | 8067.000 |
| 63 | 8064. | 567.5 | 576.0 | -8.7 | -7.9 | 080 | 100. |
| | 8083. | | | | | SEC. | 8092.000 |
| | 8084. | | | | | SEC. | 8093.000 |
| | 8134. | | | | | SEC. | 8143.000 |
| 64 | 8192. | 567.4 | 575.7 | -7.3 | -8.0 | 080 | 100. |
| 65 | 8320. | 567.6 | 575.0 | -8.3 | -8.1 | 080 | 100. |
| 66 | 8448. | 567.7 | 575.0 | -8.2 | -8.2 | 080 | 100. |
| 67 | 8576. | 567.9 | 575.1 | -8.2 | -8.2 | 080 | 100. |
| 68 | 8704. | 568.1 | 575.2 | -8.1 | -8.3 | 085 | 100. |
| 69 | 8832. | 568.2 | 575.3 | -8.1 | -8.3 | 085 | 100. |
| 70 | 8960. | 568.4 | 575.5 | -8.0 | -8.4 | 085 | 100. |
| 71 | 9088. | 568.6 | 575.6 | -8.0 | -8.4 | 085 | 100. |
| 72 | 9216. | 568.8 | 575.7 | -8.9 | -8.4 | 085 | 100. |
| 73 | 9344. | 568.9 | 575.8 | -8.0 | -8.4 | 085 | 100. |
| | 9434. | | | | | SEC. | 9443.000 |
| 74 | 9472. | 569.2 | 576.0 | -8.8 | -8.5 | 085 | 100. |
| 75 | 9600. | 569.7 | 576.4 | -8.7 | -8.5 | 085 | 100. |
| 76 | 9728. | 570.4 | 576.9 | -8.5 | -8.5 | 085 | 100. |
| 77 | 9856. | 571.1 | 579.4 | -8.3 | -8.5 | 085 | 100. |
| 78 | 9984. | 571.8 | 580.0 | -8.1 | -8.4 | 085 | 100. |
| 79 | 10112. | 572.6 | 580.5 | -7.9 | -8.4 | 085 | 100. |
| 80 | 10240. | 573.3 | 581.0 | -7.7 | -8.4 | 085 | 100. |
| 81 | 10368. | 574.0 | 581.5 | -7.5 | -8.4 | 085 | 100. |
| 82 | 10496. | 574.7 | 582.0 | -7.3 | -8.3 | 085 | 100. |
| 83 | 10624. | 575.4 | 582.6 | -7.1 | -8.3 | 085 | 100. |
| | 10734. | | | | | SEC. | 10743.000 |
| 84 | 10792. | 576.1 | 583.1 | -7.0 | -8.3 | 085 | 100. |
| 85 | 10880. | 576.8 | 583.6 | -7.8 | -8.2 | 080 | 100. |
| 86 | 11008. | 577.5 | 584.1 | -7.1 | -8.2 | 080 | 100. |
| 87 | 11136. | 578.2 | 585.6 | -7.2 | -8.2 | 080 | 100. |
| 88 | 11264. | 579.0 | 586.2 | -7.3 | -8.1 | 080 | 100. |
| 89 | 11392. | 579.7 | 587.1 | -7.4 | -8.1 | 080 | 100. |
| 90 | 11520. | 580.4 | 587.9 | -7.5 | -8.1 | 080 | 100. |
| 91 | 11648. | 581.1 | 588.7 | -7.6 | -8.1 | 080 | 100. |
| 92 | 11776. | 581.8 | 589.5 | -7.7 | -8.1 | 080 | 100. |
| 93 | 11904. | 582.5 | 590.3 | -7.8 | -8.1 | 080 | 100. |
| 94 | 12032. | 583.2 | 591.2 | -8.0 | -8.1 | 080 | 100. |
| 95 | 12160. | 583.9 | 592.1 | -8.1 | -8.1 | 080 | 100. |
| | 12271. | | | | | SEC. | 12230.000 |
| | 12271. | | | | | SEC. | 12240.000 |
| | 12241. | | | | | SEC. | 12250.000 |
| | 12261. | | | | | SEC. | 12270.000 |
| | 12271. | | | | | SEC. | 12280.000 |
| | 12261. | | | | | SEC. | 12290.000 |

ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH

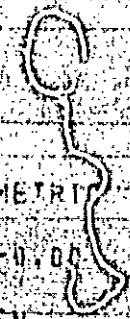
FHF FOR REACH = 0.80 WITH 100% OF THE REACH WITHIN 2.0 FEET
ZONE FOR THE REACH = A16

| | | | | | | | |
|-----|-------|-------|-------|------|------|----------------|----|
| 96 | 12288 | 593.4 | 597.6 | -4.2 | -4.2 | 040 | 99 |
| | 12291 | | | | | SEC. 12300.000 | |
| | 12296 | | | | | SEC. 12305.000 | |
| | 12311 | | | | | SEC. 12320.000 | |
| | 12361 | | | | | SEC. 12370.000 | |
| | 12411 | | | | | SEC. 12420.000 | |
| 97 | 12410 | 594.3 | 598.4 | -4.1 | -4.1 | 040 | 99 |
| | 12511 | | | | | SEC. 12520.000 | |
| 98 | 12544 | 594.4 | 598.7 | -4.3 | -4.3 | 040 | 99 |
| 99 | 12672 | 594.7 | 599.2 | -4.5 | -4.3 | 045 | 99 |
| 100 | 12800 | 595.0 | 599.5 | -4.5 | -4.3 | 045 | 99 |
| 101 | 12928 | 595.2 | 599.8 | -4.6 | -4.4 | 045 | 99 |
| 102 | 13056 | 595.4 | 600.1 | -4.6 | -4.4 | 045 | 99 |
| 103 | 13184 | 595.7 | 600.3 | -4.7 | -4.4 | 045 | 99 |
| 104 | 13312 | 595.9 | 600.6 | -4.7 | -4.5 | 045 | 99 |
| 105 | 13440 | 596.1 | 600.9 | -4.7 | -4.5 | 045 | 99 |
| 106 | 13568 | 596.4 | 601.1 | -4.8 | -4.5 | 045 | 99 |
| 107 | 13696 | 596.6 | 601.3 | -4.8 | -4.5 | 045 | 99 |
| 108 | 13824 | 596.9 | 601.7 | -4.8 | -4.6 | 045 | 99 |
| 109 | 13952 | 597.1 | 602.0 | -4.9 | -4.6 | 045 | 99 |
| 110 | 14080 | 597.3 | 602.2 | -4.9 | -4.6 | 045 | 99 |
| 111 | 14208 | 597.6 | 602.5 | -4.9 | -4.6 | 045 | 99 |
| 112 | 14336 | 597.8 | 602.8 | -5.0 | -4.6 | 045 | 99 |
| 113 | 14464 | 598.1 | 603.0 | -5.0 | -4.7 | 045 | 99 |
| 114 | 14592 | 598.3 | 603.3 | -5.0 | -4.7 | 045 | 99 |
| 115 | 14720 | 598.5 | 603.6 | -5.1 | -4.7 | 045 | 99 |
| 116 | 14848 | 598.6 | 603.9 | -5.1 | -4.7 | 045 | 99 |
| 117 | 14976 | 599.0 | 604.1 | -5.1 | -4.7 | 045 | 99 |
| 118 | 15104 | 599.3 | 604.4 | -5.2 | -4.8 | 050 | 99 |
| 119 | 15232 | 599.5 | 604.7 | -5.2 | -4.8 | 050 | 99 |
| 120 | 15360 | 599.7 | 605.0 | -5.2 | -4.8 | 050 | 99 |
| 121 | 15488 | 600.0 | 605.2 | -5.3 | -4.8 | 050 | 99 |
| 122 | 15616 | 600.2 | 605.5 | -5.3 | -4.8 | 050 | 99 |
| 123 | 15744 | 600.4 | 605.6 | -5.3 | -4.8 | 050 | 99 |
| 124 | 15872 | 600.7 | 605.8 | -5.4 | -4.9 | 050 | 99 |
| 125 | 16000 | 600.9 | 606.0 | -5.4 | -4.9 | 050 | 99 |
| 126 | 16128 | 601.2 | 606.2 | -5.4 | -4.9 | 050 | 99 |
| 127 | 16256 | 601.4 | 606.4 | -5.5 | -4.9 | 050 | 99 |
| 128 | 16384 | 601.6 | 606.7 | -5.5 | -4.9 | 050 | 99 |
| 129 | 16512 | 601.9 | 607.0 | -5.5 | -4.9 | 050 | 99 |
| 130 | 16640 | 602.1 | 607.2 | -5.6 | -5.0 | 050 | 99 |
| 131 | 16768 | 602.4 | 607.5 | -5.6 | -5.0 | 050 | 99 |
| 132 | 16896 | 602.6 | 607.8 | -5.6 | -5.0 | 050 | 99 |
| 133 | 17024 | 602.8 | 608.1 | -5.7 | -5.0 | 050 | 99 |
| 134 | 17152 | 603.1 | 608.4 | -5.7 | -5.0 | 050 | 99 |
| 135 | 17280 | 603.3 | 608.7 | -5.7 | -5.1 | 050 | 99 |
| 136 | 17408 | 603.5 | 609.0 | -5.8 | -5.1 | 050 | 99 |
| 137 | 17536 | 603.8 | 609.3 | -5.8 | -5.1 | 050 | 99 |
| 138 | 17664 | 604.0 | 609.6 | -5.8 | -5.1 | 050 | 99 |
| 139 | 17792 | 604.3 | 610.0 | -5.9 | -5.1 | 050 | 99 |
| 140 | 17920 | 604.5 | 610.3 | -5.9 | -5.1 | 050 | 99 |
| 141 | 18048 | 604.7 | 610.7 | -5.9 | -5.2 | 050 | 99 |
| 142 | 18176 | 605.0 | 611.0 | -6.0 | -5.2 | 050 | 99 |
| 143 | 18304 | 605.2 | 611.3 | -6.0 | -5.2 | 050 | 99 |
| 144 | 18432 | 605.5 | 611.6 | -6.0 | -5.2 | 050 | 99 |
| 145 | 18560 | 605.7 | 611.9 | -6.1 | -5.2 | 050 | 99 |
| 146 | 18688 | 605.9 | 612.2 | -6.1 | -5.2 | 050 | 99 |
| 147 | 18816 | 606.2 | 612.5 | -6.1 | -5.3 | 050 | 99 |
| 148 | 18944 | 606.4 | 612.8 | -6.2 | -5.3 | 050 | 99 |

 INTERACTIVE HCC2 VERSION UPDATED FEB 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Handwritten notes:
 1001500
 555.000

T1 PRX WA MADISON-MAYODAN, IN, PIS
 T2 10 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN, IN



| NO | ICRCK | TPCT | PREVS | YSECV | XSECH | FN | ALLPC | THW | CHNIT | ITRAC |
|----|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|----------|----------|
| J1 | 1001500 | | | | | | | | 555.000 | -0.000 |
| J2 | | | | | | | | | | |
| J3 | 21.000 | 22.000 | 53.000 | 54.000 | 0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| E1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 10.400 | -0.000 | -0.000 | -0.000 | -0.000 |
| Q1 | 0.000 | 21400.000 | 41000.000 | 52000.000 | 0.000 | 52000.000 | 52000.000 | 52000.000 | -0.000 | -0.000 |
| GC | 0.110 | 0.110 | 0.040 | 0.200 | 0.400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 11.000 | 36.000 | 1510.000 | 1542.000 | 0.000 | 0.000 | 0.000 | -0.000 | -1.400 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 0.000 | 563.900 | 0.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 550.000 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 50.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| X1 | 100.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .100 | -0.000 |
| X1 | 150.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| X1 | 200.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .200 | -0.000 |
| X1 | 1010.000 | 0.000 | -0.000 | -0.000 | 50.000 | 510.000 | 510.000 | -0.000 | 1.100 | -0.000 |
| X1 | 1050.000 | 35.000 | 1389.000 | 1623.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 0.000 | 563.900 | 0.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NS | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1061.000 | 35.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 19.000 | 0.000 | 595.800 | 564.300 | 400.000 | 572.300 | 564.300 | 500.000 | 568.900 | 564.300 |
| BT | 00.000 | 566.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 |
| BT | 566.000 | 564.300 | 1623.000 | 566.900 | 564.300 | 1800.000 | 565.900 | 567.300 | 1900.000 | 564.100 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| RT | 2300.000 | 2000.000 | 201.300 | 250.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 559.000 |
| RT | 2300.000 | 552.400 | 550.000 | 2400.000 | 551.600 | 550.000 | 2900.000 | 551.800 | 559.000 | 3000.000 |
| GR | 552.500 | 550.000 | 3100.000 | 554.900 | 550.000 | 3400.000 | 570.000 | 550.000 | -0.000 | -0.000 |
| GR | 595.200 | 0.000 | 572.300 | 400.000 | 568.200 | 500.000 | 566.400 | 600.000 | 565.200 | 700.000 |
| GR | 566.300 | 900.000 | 566.900 | 1389.000 | 554.500 | 1390.000 | 553.100 | 1419.000 | 566.900 | 1420.000 |
| GR | 566.900 | 1421.000 | 553.000 | 1422.000 | 534.500 | 1452.000 | 566.900 | 1453.000 | 566.900 | 1454.000 |
| GR | 538.000 | 1455.000 | 535.000 | 1485.000 | 556.900 | 1486.000 | 566.900 | 1487.000 | 535.300 | 1488.000 |
| GR | 546.000 | 1518.000 | 566.900 | 1510.000 | 566.900 | 1520.000 | 548.300 | 1521.000 | 557.000 | 1551.000 |
| GR | 506.900 | 1552.000 | 566.900 | 1553.000 | 556.500 | 1554.000 | 556.100 | 1584.000 | 566.900 | 1585.000 |
| GR | 566.900 | 1586.000 | 556.100 | 1567.000 | 556.200 | 1622.000 | 566.900 | 1623.000 | 566.900 | 1624.000 |
| GR | 565.900 | 1807.000 | 554.300 | 1900.000 | 561.300 | 2000.000 | 557.800 | 2100.000 | 554.200 | 2200.000 |
| GR | 552.400 | 2300.000 | 551.600 | 2400.000 | 551.800 | 2900.000 | 552.500 | 3000.000 | 554.900 | 3100.000 |
| GR | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1087.000 | -0.000 | -0.000 | -0.000 | 26.000 | 26.000 | 26.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 1688.000 | 38.000 | 1330.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1138.000 | 38.000 | 1418.000 | 1542.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2500.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 2750.000 | 23.000 | 674.000 | 818.000 | 4612.000 | 4612.000 | 4612.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 6107.000 | -0.000 | -0.000 | -0.000 | 2257.000 | 2257.000 | 2257.000 | -0.000 | -0.000 | -0.000 |
| X1 | 2057.000 | 23.000 | 600.000 | 848.000 | 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 | 568.100 | 568.100 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 6067.000 | 37.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| RT | 15.000 | 0.000 | 602.700 | 668.100 | 100.000 | 895.400 | 566.100 | 200.000 | 589.000 | 568.100 |
| RT | 300.000 | 581.500 | 568.100 | 400.000 | 575.800 | 568.100 | 500.000 | 571.700 | 568.100 | 600.000 |
| RT | 570.700 | 568.100 | 840.000 | 570.700 | 568.100 | 900.000 | 570.700 | 568.100 | 1000.000 | 570.600 |
| RT | 568.100 | 1100.000 | 571.300 | 568.100 | 1200.000 | 573.100 | 568.100 | 1300.000 | 578.000 | 568.100 |
| RT | 1400.000 | 584.600 | 568.100 | 1500.000 | 592.500 | 568.100 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 602.000 | 0.000 | 595.400 | 100.000 | 589.000 | 200.000 | 581.900 | 300.000 | 575.800 | 400.000 |
| GR | 571.700 | 500.000 | 570.700 | 600.000 | 564.500 | 601.000 | 561.400 | 641.000 | 570.700 | 642.000 |
| GR | 570.700 | 643.000 | 561.400 | 644.000 | 550.300 | 684.000 | 570.700 | 685.000 | 570.700 | 686.000 |
| GR | 550.000 | 667.000 | 546.000 | 727.000 | 570.700 | 728.000 | 570.700 | 729.000 | 546.000 | 730.000 |

| | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|
| GR | 548.000 | 770.000 | 570.700 | 771.000 | 570.700 | 772.000 | 548.000 | 773.000 | 557.000 | 813.000 |
| GR | 570.700 | 819.000 | 570.700 | 819.000 | 571.300 | 818.000 | 559.500 | 839.000 | 570.700 | 840.000 |
| GR | 570.700 | 900.000 | 570.600 | 1000.600 | 571.300 | 1100.000 | 573.100 | 1200.000 | 578.000 | 1300.000 |
| GR | 584.600 | 1470.000 | 592.500 | 1500.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8092.000 | -0.000 | -0.000 | 300.000 | 25.000 | 25.000 | 25.000 | -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 |
| NC | .110 | .110 | .045 | .200 | .400 | 0.000 | 0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8093.000 | 25.000 | 600.000 | 841.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 570.800 | 570.800 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.600 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8143.000 | 25.000 | 674.000 | 818.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8243.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | -0.000 | -0.000 |
| X1 | 10743.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | 9.600 | -0.000 |
| X1 | 12230.000 | -0.000 | 230.000 | 730.000 | 1487.000 | 1487.000 | 1487.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 229.000 |
| GR | 589.900 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 |
| GR | 576.800 | 330.000 | 576.300 | 350.000 | 576.500 | 370.000 | 576.400 | 390.000 | 577.000 | 410.000 |
| GR | 576.600 | 430.000 | 576.800 | 450.000 | 576.900 | 470.000 | 576.600 | 490.000 | 576.300 | 510.000 |
| GR | 575.900 | 530.000 | 575.600 | 550.000 | 575.800 | 570.000 | 576.000 | 590.000 | 575.300 | 610.000 |
| GR | 575.700 | 630.000 | 576.900 | 650.000 | 576.400 | 670.000 | 575.700 | 690.000 | 575.100 | 710.000 |
| GR | 537.700 | 730.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| X1 | 12240.000 | -0.000 | 0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12250.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12270.000 | -0.000 | -0.000 | -0.000 | 20.000 | 20.000 | 20.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12280.000 | 0.000 | 230.000 | 434.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 230.000 |
| GR | 586.400 | 434.000 | 505.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12290.000 | 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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12300.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12305.000 | 19.000 | 230.000 | 434.000 | 5.000 | 5.000 | 5.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 587.600 | 230.000 |
| GR | 583.900 | 250.000 | 582.000 | 270.000 | 581.500 | 290.000 | 581.000 | 310.000 | 581.200 | 330.000 |
| GR | 530.400 | 350.000 | 580.000 | 370.000 | 581.300 | 390.000 | 582.100 | 410.000 | 584.100 | 414.000 |
| GR | 567.300 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12320.000 | -0.000 | -0.000 | -0.000 | 15.000 | 15.000 | 15.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|---------|---------|---------|--------|---------|---------|
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| X1 | 21230.000 | 35.000 | 350.000 | 850.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 340.000 | 630.000 | 340.000 | 630.000 | 340.000 |
| GR | 520.200 | 350.000 | 500.200 | 470.000 | 603.700 | 390.000 | 603.500 | 610.000 | 603.200 | 430.000 |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 |
| GR | 603.800 | 550.000 | 602.700 | 570.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.000 | 710.000 | 601.800 | 730.000 |
| GR | 505.400 | 750.000 | 504.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 |
| GR | 604.700 | 850.000 | 603.500 | 860.000 | 640.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

7

 INTERACTIVE HEL2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 50 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| | | | | | | | | | | |
|----|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| J1 | ICHECK | INC | MINV | IDIR | STRT | METRIC | HVINS | G | WSEL | FO |
| | -10. | 3. | -0. | -0. | .001500 | -0.00 | -0.0 | -0. | 557.000 | -0.000 |
| J2 | XPROF | JPLQT | PRFVS | XSECV | XSFCH | FN | ALLOC | IBW | CHNIM | ITRACE |
| | 2.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -9.000 | -0.000 | -0.000 |

*PROF 2

| CCURVE | .201 | CCURVE | .900 | SECHD | DEPTH | CWSFL | CRHS | WSELK | EG | HV | HL | GLASS | BANK | ELEV |
|---------|-------|--------|--------|--------|--------|--------|-------|---------|---------|----|----|-------|------|------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LINE | VLCD | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | BSTA | | | | | |
| SLOPE | XLCDL | XLCH | XLORR | ITRIA | IDC | ICONT | CORAR | TOPLID | ENDST | | | | | |
| 1.00 | 23.69 | 557.39 | 0.00 | 557.00 | 557.99 | .60 | 0.00 | 0:00 | 551.70 | | | | | |
| 41000. | 759. | 18514. | 21627. | 776. | 2055. | 10978. | 0. | 0. | 555.20 | | | | | |
| 0.00 | 1.18 | 8.01 | 1.97 | .110 | .040 | .110 | 0.000 | 533.70 | 1171.43 | | | | | |
| .001517 | 0. | 0. | 0. | 0 | 0 | 3 | 0.00 | 2054.05 | 3227.47 | | | | | |
| 50.00 | 23.78 | 557.48 | 0.00 | 0.00 | 558.07 | .58 | .07 | .00 | 551.70 | | | | | |
| 41000. | 586. | 18371. | 21742. | 757. | 2067. | 11144. | 16. | 2. | 555.20 | | | | | |
| 0.00 | 1.18 | 8.89 | 1.95 | .110 | .040 | .110 | .039 | 533.70 | 1169.76 | | | | | |
| .001484 | 50. | 50. | 50. | 2 | 0 | 1 | 0.00 | 2059.23 | 3220.99 | | | | | |
| 100.00 | 23.75 | 557.55 | 0.00 | 0.00 | 558.14 | .59 | .07 | .00 | 551.80 | | | | | |
| 41000. | 579. | 18408. | 21713. | 744. | 2064. | 11101. | 32. | 5. | 555.30 | | | | | |
| 0.00 | 1.18 | 8.92 | 1.96 | .110 | .040 | .110 | .039 | 533.80 | 1170.19 | | | | | |
| .001477 | 50. | 50. | 50. | 0 | 0 | 1 | 0.00 | 2058.41 | 3226.60 | | | | | |
| 150.00 | 23.65 | 557.65 | 0.00 | 0.00 | 558.22 | .57 | .07 | .00 | 551.80 | | | | | |
| 41000. | 401. | 18294. | 21805. | 764. | 2074. | 11236. | 48. | 7. | 555.30 | | | | | |
| 0.00 | 1.18 | 8.82 | 1.94 | .110 | .040 | .110 | .039 | 533.80 | 1160.83 | | | | | |
| .001436 | 50. | 50. | 50. | 1 | 0 | 1 | 0.00 | 2060.99 | 3229.83 | | | | | |
| 200.00 | 23.70 | 557.70 | 0.00 | 0.00 | 558.30 | .60 | .07 | .01 | 552.00 | | | | | |
| 41000. | 866. | 18476. | 21850. | 732. | 2058. | 11022. | 64. | 9. | 555.50 | | | | | |
| 0.00 | 1.18 | 8.98 | 1.97 | .110 | .040 | .110 | .039 | 534.00 | 1176.99 | | | | | |
| .001543 | 50. | 50. | 50. | 0 | 0 | 1 | 0.00 | 2056.88 | 3227.87 | | | | | |
| 1010.00 | 23.42 | 558.92 | 0.00 | 0.00 | 559.50 | .57 | 1.19 | .00 | 553.10 | | | | | |
| 41000. | 897. | 18314. | 21787. | 760. | 2072. | 11212. | 323. | 48. | 556.60 | | | | | |

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM RR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | LCRECK | TND | NINW | IDIR | STRT | METRIC | HVINS | WSEL | FO | |
|----|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| | -10. | 4. | -0. | -0. | .001500 | -0.00 | -0.0 | -0. | 560.000 | -0.000 |
| J2 | MPROF | IPLOT | PREVS | XSECV | XSECH | FN | ALDCC | TBW | CHNTM | ITRACE |
| | 3.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

*PROF 3

CHV= .200 CERV= .400

| SECNO | DEPTH | CHSEL | GRWS | WSELK | EG | HV | HL | GLASS | BANK ELEV |
|---------|-------|--------|--------|--------|--------|--------|-------|---------|------------|
| 0 | OLON | OCH | OROB | ALD | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XML | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLDBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWD | ENDST |
| 1.00 | 25.08 | 558.78 | 0.00 | 560.00 | 559.40 | .62 | 0.00 | 0.00 | 551.70 |
| 52000. | 1562. | 21203. | 29235. | 1086. | 2228. | 13345. | 0. | 0. | 555.20 |
| 0.00 | 1.44 | 9.52 | 2.19 | .110 | .040 | .110 | 0.000 | 533.70 | 1147.78 |
| .001519 | 50. | 50. | 50. | 0 | 0 | 3 | 0.00 | 2101.16 | 3248.94 |
| 50.00 | 25.17 | 558.87 | 0.00 | 0.00 | 559.46 | .60 | .07 | .00 | 551.70 |
| 52000. | 1589. | 21083. | 29328. | 1109. | 2238. | 13488. | .19. | 2. | 555.20 |
| 00 | 1.43 | 9.42 | 2.17 | .110 | .040 | .110 | .039 | 533.70 | 1146.36 |
| .001479 | 50. | 50. | 50. | 1 | 0 | 1 | 0.00 | 2103.87 | 3250.23 |
| 100.00 | 25.15 | 558.95 | 0.00 | 0.00 | 559.55 | .61 | .07 | .00 | 551.80 |
| 52000. | 1581. | 21118. | 29300. | 1102. | 2235. | 13445. | .39. | 5. | 555.30 |
| 01 | 1.43 | 9.45 | 2.18 | .110 | .040 | .110 | .039 | 533.80 | 1146.78 |
| .001491 | 50. | 50. | 50. | 0 | 0 | 1 | 0.00 | 2103.06 | 3249.84 |
| 150.00 | 25.24 | 559.04 | 0.00 | 0.00 | 559.63 | .59 | .07 | .00 | 551.80 |
| 52000. | 1614. | 20976. | 29410. | 1136. | 2248. | 13618. | .58. | 7. | 555.30 |
| 03 | 1.43 | 9.33 | 2.16 | .110 | .040 | .110 | .039 | 533.80 | 1145.07 |
| .001444 | 50. | 50. | 50. | 2 | 0 | 1 | 0.00 | 2106.33 | 3251.40 |
| 200.00 | 25.10 | 559.10 | 0.00 | 0.00 | 559.71 | .61 | .07 | .01 | 552.00 |
| 52000. | 1571. | 21164. | 29265. | 1093. | 2231. | 13390. | .77. | 10. | 555.50 |
| 03 | 1.44 | 9.49 | 2.19 | .110 | .040 | .110 | .039 | 534.00 | 1147.33 |
| .001506 | 50. | 50. | 50. | 1 | 0 | 1 | 0.00 | 2102.02 | 3249.35 |
| 1010.00 | 25.22 | 560.32 | 0.00 | 0.00 | 560.91 | .59 | 1.20 | .00 | 553.10 |
| 52000. | 1608. | 21001. | 29391. | 1125. | 2245. | 13587. | .390. | 49. | 556.60 |

 INTERACTIVE PLOT2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM ON MADISON-MAYODAN NC FIS
 T2 500 YR NATURAL
 T3 HAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | IND | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FC |
|----|--------|-----|------|------|---------|--------|-------|------|---------|--------|
| | -10 | 5 | -0 | -0 | .001500 | -0.00 | -0.0 | -0.0 | 563.000 | -0.000 |

| J2 | NPRDF | TPILOT | PRFVS | XSECV | XSFCH | FN | ALLDC | IBW | CHNIM | ITRACE |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 19.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

*PRDF 1
 GCHV= .200 CERV= .400

3265 DIVIDED FLOW

| SECT | DEPTH | WSEL | CRINS | WSELK | EG | HVI | HL | DCROSS | BANK ELEV |
|---------|-------|--------|--------|--------|--------|--------|-------|---------|------------|
| Q | WLOB | QCH | QROB | ALOB | AOB | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOS | VCH | VROB | XNL | XNOB | XVR | HTN | ELMIN | SSTA |
| SLOPE | XLOBE | XOCH | XLOBR | ITRBL | ITCRH | ICONT | UDRAB | TOPWID | ENDST |
| 1.00 | 28.03 | 562.63 | 0.00 | 563.00 | 563.30 | .67 | 0.00 | 0.00 | 551.70 |
| 89000. | 4657. | 29205. | 55138. | 2425. | 2706. | 20036. | 0. | 0. | 555.20 |
| 0.00 | 1.92 | 10.79 | 2.75 | .110 | .040 | .110 | 0.000 | 533.70 | 585.16 |
| .001508 | 0. | 0. | 0. | 0 | 0 | 3 | 0.00 | 2447.84 | 3308.22 |

3266 DIVIDED FLOW

| | | | | | | | | | |
|---------|-------|--------|--------|-------|--------|--------|------|---------|---------|
| 50.00 | 29.02 | 562.72 | 0.00 | 0.00 | 563.38 | .66 | .07 | .00 | 551.70 |
| 89000. | 4737. | 29090. | 55203. | 2422. | 2716. | 20181. | 29. | 3. | 555.20 |
| .00 | 1.90 | 10.71 | 2.74 | .110 | .040 | .110 | .039 | 533.70 | 582.89 |
| .001478 | 50. | 50. | 50. | 1 | 0 | 1 | 0.00 | 2464.82 | 3309.48 |

3265 DIVIDED FLOW

| | | | | | | | | | |
|---------|-------|--------|--------|-------|--------|--------|------|---------|---------|
| 100.00 | 29.00 | 562.80 | 0.00 | 0.00 | 563.46 | .66 | .07 | .00 | 551.80 |
| 89000. | 4691. | 29126. | 55183. | 2457. | 2713. | 20136. | 58. | 6. | 555.30 |
| .01 | 1.91 | 10.74 | 2.74 | .110 | .040 | .110 | .039 | 533.80 | 583.59 |
| .001407 | 50. | 50. | 50. | 0 | 0 | 1 | 0.00 | 2462.65 | 3309.09 |

3265 DIVIDED FLOW

| | | | | | | | | | |
|--------|-------|--------|--------|-------|--------|--------|-----|-----|--------|
| 150.00 | 29.09 | 562.89 | 0.00 | 0.00 | 563.53 | .65 | .07 | .00 | 551.80 |
| 89000. | 4749. | 28994. | 55257. | 2512. | 2724. | 20303. | 87. | 8. | 555.30 |

FLOOD INSURANCE ZONE DATA FOR HAYO RIVER VICINITY OF R

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

| SECTION NUMBER | CUMULATIVE DISTANCE | ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND | | |
|------------------------|---------------------|---|------|------|
| | | 10' | 20' | 0.2' |
| 1.000 | 0. | -4.6 | -1.4 | 3.0 |
| 50.000 | 50. | -4.6 | -1.4 | 3.8 |
| 100.000 | 100. | -4.6 | -1.4 | 3.8 |
| 150.000 | 150. | -4.6 | -1.4 | 3.8 |
| 200.000 | 200. | -4.6 | -1.4 | 3.8 |
| 1010.000 | 1010. | -4.7 | -1.4 | 3.8 |
| 1060.000 | 1060. | -4.8 | -1.4 | 3.8 |
| 1061.000 | 1061. | -4.6 | -1.4 | 3.8 |
| 1067.000 | 1067. | -4.6 | -1.4 | 3.8 |
| 1068.000 | 1068. | -4.7 | -1.4 | 3.8 |
| 1138.000 | 1138. | -4.6 | -1.4 | 3.8 |
| 8750.000 | 8750. | -5.4 | -1.5 | 4.2 |
| 8007.000 | 8007. | -8.9 | -2.8 | 7.4 |
| 8057.000 | 8057. | -9.3 | -2.8 | 7.4 |
| 8058.000 | 8058. | -9.7 | -3.2 | 7.8 |
| 8092.000 | 8092. | -9.7 | -3.1 | 7.8 |
| 8093.000 | 8093. | -9.4 | -2.8 | 7.6 |
| 8140.000 | 8140. | -9.3 | -2.8 | 7.6 |
| 8443.000 | 8443. | -8.8 | -2.6 | 7.4 |
| 10743.000 | 10743. | -6.9 | -2.1 | 6.6 |
| 12230.000 | 12231. | -8.2 | -2.6 | 6.7 |
| 12240.000 | 12231. | -8.2 | -2.6 | 6.7 |
| 12250.000 | 12241. | -8.2 | -2.6 | 6.7 |
| 12270.000 | 12261. | -8.1 | -2.6 | 6.7 |
| 12280.000 | 12271. | -3.9 | -1.2 | 3.4 |
| 12290.000 | 12281. | -4.2 | -1.3 | 3.9 |
| 12300.000 | 12291. | -4.3 | -1.3 | 3.8 |
| 12305.000 | 12296. | -3.1 | -1.0 | 3.2 |
| 12320.000 | 12311. | -3.3 | -1.1 | 3.0 |
| 12370.000 | 12361. | -3.7 | -1.3 | 3.1 |
| 12420.000 | 12411. | -4.0 | -1.4 | 3.2 |
| 12520.000 | 12511. | -3.5 | -1.5 | 3.2 |
| 21236.000 | 21231. | -6.8 | -2.1 | 5.4 |
| WEIGHTED AVG FOR REACH | | -5.1 | -1.9 | 5.3 |

FHF FOR THE REACH = 0.50 WITH 51.1% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = 412

CONTINUOUS FLOOD HAZARD FACTORS BY ELEVATION INCREMENTS

| INC NO. | TOTAL LENGTH | AVG ELEVATION DATA | | | STD. AVG. | FHF | PERCENT WITHIN |
|---------|--------------|--------------------|-------|-------|-----------|------|----------------|
| | | LOW | 0.1' | DIFF. | | | |
| 1 | 1285 | 554.3 | 558.9 | -4.6 | -4.6 | 0.45 | 1,000 |

| | 100. | | | | | | SEC. | 100,000 |
|----|-------|-------|-------|------|------|-----|------|----------|
| | 150. | | | | | | SEC. | 150,000 |
| | 200. | | | | | | SEC. | 200,000 |
| 2 | 256. | 554.6 | 559.1 | -4.6 | -4.6 | 045 | | 100. |
| 3 | 384. | 554.6 | 559.3 | -4.6 | -4.6 | 045 | | 100. |
| 4 | 512. | 554.8 | 559.5 | -4.6 | -4.6 | 045 | | 100. |
| 5 | 640. | 555.0 | 559.7 | -4.6 | -4.6 | 045 | | 100. |
| 6 | 768. | 555.2 | 559.9 | -4.6 | -4.6 | 045 | | 100. |
| 7 | 896. | 555.4 | 560.1 | -4.6 | -4.6 | 045 | | 100. |
| | 1010. | | | | | | SEC. | 1010,000 |
| 8 | 1024. | 555.6 | 560.3 | -4.7 | -4.6 | 045 | | 100. |
| | 1060. | | | | | | SEC. | 1060,000 |
| | 1061. | | | | | | SEC. | 1061,000 |
| | 1087. | | | | | | SEC. | 1087,000 |
| | 1088. | | | | | | SEC. | 1088,000 |
| | 1138. | | | | | | SEC. | 1138,000 |
| 9 | 1152. | 556.1 | 560.7 | -4.6 | -4.6 | 045 | | 100. |
| 10 | 1280. | 556.2 | 560.8 | -4.6 | -4.6 | 045 | | 100. |
| 11 | 1408. | 556.4 | 561.0 | -4.7 | -4.6 | 045 | | 100. |
| 12 | 1536. | 556.5 | 561.2 | -4.7 | -4.6 | 045 | | 100. |
| 13 | 1664. | 556.7 | 561.4 | -4.7 | -4.6 | 045 | | 100. |
| 14 | 1792. | 556.9 | 561.7 | -4.7 | -4.7 | 045 | | 100. |
| 15 | 1920. | 557.1 | 561.9 | -4.7 | -4.7 | 045 | | 100. |
| 16 | 2148. | 557.3 | 562.1 | -4.8 | -4.7 | 045 | | 100. |
| 17 | 2176. | 557.3 | 562.3 | -4.8 | -4.7 | 045 | | 100. |
| 18 | 2304. | 557.7 | 562.7 | -4.8 | -4.7 | 045 | | 100. |
| 19 | 2432. | 557.9 | 562.7 | -4.8 | -4.7 | 045 | | 100. |
| 20 | 2560. | 558.1 | 562.9 | -4.8 | -4.7 | 045 | | 100. |
| 21 | 2688. | 558.3 | 563.1 | -4.8 | -4.7 | 045 | | 100. |
| 22 | 2816. | 558.5 | 563.4 | -4.9 | -4.7 | 045 | | 100. |
| 23 | 2944. | 558.7 | 563.6 | -4.9 | -4.7 | 045 | | 100. |
| 24 | 3072. | 558.8 | 563.8 | -4.9 | -4.7 | 045 | | 100. |
| 25 | 3200. | 559.0 | 564.0 | -5.0 | -4.7 | 045 | | 100. |
| 26 | 3328. | 559.2 | 564.2 | -5.0 | -4.8 | 050 | | 100. |
| 27 | 3456. | 559.4 | 564.4 | -5.0 | -4.8 | 050 | | 100. |
| 28 | 3584. | 559.6 | 564.6 | -5.0 | -4.8 | 050 | | 100. |
| 29 | 3712. | 559.8 | 564.9 | -5.1 | -4.8 | 050 | | 100. |
| 30 | 3840. | 560.0 | 565.1 | -5.1 | -4.8 | 050 | | 100. |
| 31 | 3968. | 560.2 | 565.3 | -5.1 | -4.8 | 050 | | 100. |
| 32 | 4096. | 560.4 | 565.5 | -5.1 | -4.8 | 050 | | 100. |
| 33 | 4224. | 560.6 | 565.7 | -5.2 | -4.8 | 050 | | 100. |
| 34 | 4352. | 560.8 | 565.9 | -5.2 | -4.8 | 050 | | 100. |
| 35 | 4480. | 561.0 | 566.1 | -5.2 | -4.8 | 050 | | 100. |
| 36 | 4608. | 561.1 | 566.4 | -5.2 | -4.9 | 050 | | 100. |
| 37 | 4736. | 561.3 | 566.6 | -5.2 | -4.9 | 050 | | 100. |
| 38 | 4864. | 561.5 | 566.8 | -5.3 | -4.9 | 050 | | 100. |
| 39 | 4992. | 561.7 | 567.0 | -5.3 | -4.9 | 050 | | 100. |
| 40 | 5120. | 561.9 | 567.2 | -5.3 | -4.9 | 050 | | 100. |
| 41 | 5248. | 562.1 | 567.4 | -5.3 | -4.9 | 050 | | 100. |
| 42 | 5376. | 562.3 | 567.6 | -5.4 | -4.9 | 050 | | 100. |
| 43 | 5504. | 562.5 | 567.9 | -5.4 | -4.9 | 050 | | 100. |
| 44 | 5632. | 562.7 | 568.1 | -5.4 | -4.9 | 050 | | 100. |
| | 5750. | | | | | | SEC. | 5750,000 |
| 45 | 5760. | 562.9 | 568.3 | -5.4 | -4.9 | 050 | | 100. |
| 46 | 5888. | 563.1 | 568.6 | -5.5 | -5.0 | 050 | | 100. |
| 47 | 6016. | 563.3 | 569.1 | -5.7 | -5.0 | 050 | | 100. |
| 48 | 6144. | 563.5 | 569.5 | -5.9 | -5.0 | 050 | | 100. |
| 49 | 6272. | 563.8 | 569.9 | -6.1 | -5.0 | 050 | | 98. |
| 50 | 6400. | 564.0 | 570.3 | -6.3 | -5.0 | 050 | | 96. |
| 51 | 6528. | 564.2 | 570.8 | -6.5 | -5.1 | 050 | | 94. |
| 52 | 6656. | 564.5 | 571.2 | -6.7 | -5.1 | 050 | | 92. |
| 53 | 6784. | 564.7 | 571.6 | -6.9 | -5.1 | 050 | | 92. |
| 54 | 6912. | 564.9 | 572.1 | -7.1 | -5.2 | 050 | | 91. |
| 55 | 7040. | 565.2 | 572.5 | -7.3 | -5.2 | 050 | | 89. |
| 56 | 7168. | 565.4 | 572.9 | -7.5 | -5.3 | 055 | | 88. |

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| | | | | | | | |
|----|-------|-------|-------|------|------|-----|-----|
| 57 | 7298. | 565.6 | 573.4 | -7.7 | -5.3 | 055 | 80. |
| 58 | 7424. | 565.9 | 573.8 | -7.9 | -5.3 | 055 | 86. |
| 59 | 7552. | 566.1 | 574.2 | -8.1 | -5.4 | 055 | 85. |
| 60 | 7680. | 566.3 | 574.6 | -8.3 | -5.4 | 055 | 83. |
| 61 | 7808. | 566.6 | 575.1 | -8.5 | -5.5 | 055 | 82. |
| 62 | 7936. | 566.8 | 575.5 | -8.7 | -5.5 | 055 | 82. |

8007. SEC. 8007.000
 8057. SEC. 8057.000
 8058. SEC. 8067.000

| | | | | | | | |
|----|-------|-------|-------|------|------|------|----------|
| 63 | 8064. | 567.3 | 575.9 | -8.7 | -5.6 | 055 | 81. |
| | 8083. | | | | | SEC. | 8092.000 |
| | 8084. | | | | | SEC. | 8093.000 |
| | 8134. | | | | | SEC. | 8143.000 |

| | | | | | | | |
|----|-------|-------|-------|------|------|-----|-----|
| 64 | 8192. | 567.4 | 576.7 | -9.3 | -5.7 | 055 | 64. |
| 65 | 8320. | 567.6 | 576.0 | -9.3 | -5.7 | 055 | 57. |
| 66 | 8448. | 567.7 | 577.1 | -9.2 | -5.8 | 060 | 55. |
| 67 | 8576. | 567.9 | 577.1 | -9.2 | -5.8 | 060 | 51. |
| 68 | 8704. | 568.1 | 577.2 | -9.1 | -5.9 | 060 | 47. |
| 69 | 8832. | 568.2 | 577.3 | -9.1 | -5.9 | 060 | 42. |
| 70 | 8960. | 568.4 | 577.5 | -9.1 | -6.0 | 060 | 41. |
| 71 | 9088. | 568.6 | 577.6 | -9.0 | -6.0 | 060 | 38. |
| 72 | 9216. | 568.8 | 577.7 | -8.9 | -6.1 | 060 | 35. |
| 73 | 9344. | 568.9 | 577.8 | -8.9 | -6.1 | 060 | 32. |

SEC. 9443.000

| | | | | | | | |
|----|--------|-------|-------|------|------|-----|-----|
| 74 | 9472. | 569.0 | 578.0 | -8.8 | -6.1 | 060 | 30. |
| 75 | 9600. | 569.2 | 578.4 | -8.7 | -6.2 | 060 | 26. |
| 76 | 9728. | 570.4 | 578.9 | -8.5 | -6.2 | 060 | 26. |
| 77 | 9856. | 571.1 | 579.4 | -8.3 | -6.2 | 060 | 23. |
| 78 | 9984. | 571.8 | 580.0 | -8.1 | -6.2 | 060 | 22. |
| 79 | 10112. | 572.6 | 580.5 | -7.9 | -6.3 | 065 | 20. |
| 80 | 10240. | 573.3 | 581.0 | -7.7 | -6.3 | 065 | 20. |
| 81 | 10368. | 574.0 | 581.5 | -7.5 | -6.3 | 065 | 19. |
| 82 | 10496. | 574.7 | 582.0 | -7.3 | -6.3 | 065 | 17. |
| 83 | 10624. | 575.4 | 582.0 | -7.1 | -6.3 | 065 | 18. |

SEC. 10743.000

| | | | | | | | |
|----|--------|-------|-------|------|------|-----|-----|
| 84 | 10752. | 576.1 | 583.1 | -7.0 | -6.3 | 065 | 20. |
| 85 | 10880. | 576.8 | 583.8 | -7.0 | -6.3 | 065 | 20. |
| 86 | 11008. | 577.5 | 584.6 | -7.1 | -6.3 | 065 | 22. |
| 87 | 11136. | 578.2 | 585.4 | -7.2 | -6.4 | 065 | 22. |
| 88 | 11264. | 579.0 | 586.2 | -7.3 | -6.4 | 065 | 23. |
| 89 | 11392. | 579.7 | 587.1 | -7.4 | -6.4 | 065 | 21. |
| 90 | 11520. | 580.4 | 587.9 | -7.5 | -6.4 | 065 | 21. |
| 91 | 11648. | 581.1 | 588.7 | -7.6 | -6.4 | 065 | 21. |
| 92 | 11776. | 581.8 | 589.5 | -7.7 | -6.4 | 065 | 21. |
| 93 | 11904. | 582.5 | 590.3 | -7.8 | -6.4 | 065 | 19. |
| 94 | 12032. | 583.2 | 591.2 | -8.0 | -6.4 | 065 | 19. |
| 95 | 12160. | 583.9 | 592.0 | -8.1 | -6.5 | 065 | 19. |

SEC. 12230.000

12231. SEC. 12240.000
 12241. SEC. 12250.000
 12261. SEC. 12270.000
 12271. SEC. 12280.000
 12281. SEC. 12290.000

| | | | | | | | |
|----|--------|-------|-------|------|------|------|-----------|
| 96 | 12288. | 593.4 | 597.6 | -4.2 | -6.4 | 065 | 19. |
| | 12291. | | | | | SEC. | 12300.000 |
| | 12296. | | | | | SEC. | 12305.000 |
| | 12311. | | | | | SEC. | 12320.000 |
| | 12361. | | | | | SEC. | 12370.000 |
| | 12411. | | | | | SEC. | 12420.000 |

SEC. 12520.000

| | | | | | | | |
|-----|--------|-------|-------|------|------|------|-----------|
| 97 | 12416. | 594.3 | 598.6 | -4.1 | -6.4 | 065 | 20. |
| | 12511. | | | | | SEC. | 12520.000 |
| 98 | 12544. | 594.5 | 598.7 | -4.3 | -6.4 | 065 | 19. |
| 99 | 12672. | 594.7 | 599.2 | -4.5 | -6.4 | 065 | 19. |
| 100 | 12800. | 595.0 | 599.5 | -4.6 | -6.4 | 065 | 20. |
| 101 | 12928. | 595.2 | 599.8 | -4.6 | -6.3 | 065 | 21. |
| 102 | 13056. | 595.4 | 600.1 | -4.6 | -6.3 | 065 | 20. |

| | | | | | | | |
|-----|--------|-------|-------|------|------|-----|-----|
| 103 | 13184. | 595.7 | 600.3 | -4.7 | -6.3 | 065 | 20. |
| 104 | 13312. | 595.9 | 600.6 | -4.7 | -6.3 | 065 | 20. |
| 105 | 13440. | 596.1 | 600.9 | -4.7 | -6.3 | 065 | 20. |
| 106 | 13568. | 596.4 | 601.1 | -4.8 | -6.3 | 065 | 20. |
| 107 | 13696. | 596.6 | 601.4 | -4.8 | -6.3 | 065 | 21. |
| 108 | 13824. | 596.9 | 601.7 | -4.8 | -6.2 | 060 | 21. |
| 109 | 13952. | 597.1 | 602.0 | -4.9 | -6.2 | 060 | 21. |
| 110 | 14080. | 597.3 | 602.2 | -4.9 | -6.2 | 060 | 22. |
| 111 | 14208. | 597.6 | 602.5 | -4.9 | -6.2 | 060 | 22. |
| 112 | 14336. | 597.8 | 602.8 | -5.0 | -6.2 | 060 | 22. |
| 113 | 14464. | 598.1 | 603.0 | -5.0 | -6.2 | 060 | 21. |
| 114 | 14592. | 598.3 | 603.3 | -5.0 | -6.2 | 060 | 22. |
| 115 | 14720. | 598.5 | 603.6 | -5.1 | -6.2 | 060 | 22. |
| 116 | 14848. | 598.8 | 603.9 | -5.1 | -6.1 | 060 | 22. |
| 117 | 14976. | 599.0 | 604.1 | -5.1 | -6.1 | 060 | 21. |
| 118 | 15104. | 599.3 | 604.4 | -5.2 | -6.1 | 060 | 22. |
| 119 | 15232. | 599.5 | 604.7 | -5.2 | -6.1 | 060 | 23. |
| 120 | 15360. | 599.7 | 605.0 | -5.2 | -6.1 | 060 | 24. |
| 121 | 15488. | 600.0 | 605.2 | -5.3 | -6.1 | 060 | 23. |
| 122 | 15616. | 600.2 | 605.5 | -5.3 | -6.1 | 060 | 26. |
| 123 | 15744. | 600.4 | 605.8 | -5.3 | -6.1 | 060 | 27. |
| 124 | 15872. | 600.7 | 606.0 | -5.4 | -6.1 | 060 | 27. |
| 125 | 16000. | 600.9 | 606.3 | -5.4 | -6.1 | 060 | 29. |
| 126 | 16128. | 601.2 | 606.6 | -5.4 | -6.1 | 060 | 30. |
| 127 | 16256. | 601.4 | 606.9 | -5.5 | -6.1 | 060 | 31. |
| 128 | 16384. | 601.6 | 607.1 | -5.5 | -6.1 | 060 | 31. |
| 129 | 16512. | 601.9 | 607.4 | -5.5 | -6.1 | 060 | 31. |
| 130 | 16640. | 602.1 | 607.7 | -5.6 | -6.1 | 060 | 32. |
| 131 | 16768. | 602.4 | 608.0 | -5.6 | -6.1 | 060 | 33. |
| 132 | 16896. | 602.6 | 608.2 | -5.6 | -6.1 | 060 | 34. |
| 133 | 17024. | 602.8 | 608.5 | -5.7 | -6.1 | 060 | 35. |
| 134 | 17152. | 603.1 | 608.8 | -5.7 | -6.1 | 060 | 35. |
| 135 | 17280. | 603.3 | 609.0 | -5.7 | -6.0 | 060 | 36. |
| 136 | 17408. | 603.5 | 609.3 | -5.8 | -6.0 | 060 | 36. |
| 137 | 17536. | 603.8 | 609.6 | -5.8 | -6.0 | 060 | 36. |
| 138 | 17664. | 604.0 | 609.9 | -5.8 | -6.0 | 060 | 37. |
| 139 | 17792. | 604.3 | 610.1 | -5.9 | -6.0 | 060 | 37. |
| 140 | 17920. | 604.5 | 610.4 | -5.9 | -6.0 | 060 | 38. |
| 141 | 18048. | 604.7 | 610.7 | -5.9 | -6.0 | 060 | 38. |
| 142 | 18176. | 605.0 | 611.0 | -6.0 | -6.0 | 060 | 39. |
| 143 | 18304. | 605.2 | 611.2 | -6.0 | -6.0 | 060 | 39. |
| 144 | 18432. | 605.5 | 611.5 | -6.0 | -6.0 | 060 | 40. |
| 145 | 18560. | 605.7 | 611.8 | -6.1 | -6.0 | 060 | 40. |
| 146 | 18688. | 605.9 | 612.0 | -6.1 | -6.0 | 060 | 40. |
| 147 | 18816. | 606.2 | 612.3 | -6.1 | -6.0 | 060 | 41. |
| 148 | 18944. | 606.4 | 612.6 | -6.2 | -6.0 | 060 | 41. |
| 149 | 19072. | 606.7 | 612.9 | -6.2 | -6.0 | 060 | 42. |
| 150 | 19200. | 606.9 | 613.1 | -6.2 | -6.0 | 060 | 42. |
| 151 | 19328. | 607.1 | 613.4 | -6.3 | -6.0 | 060 | 42. |
| 152 | 19456. | 607.4 | 613.7 | -6.3 | -6.0 | 060 | 43. |
| 153 | 19584. | 607.6 | 613.9 | -6.3 | -6.0 | 060 | 43. |
| 154 | 19712. | 607.8 | 614.2 | -6.4 | -6.1 | 060 | 44. |
| 155 | 19840. | 608.1 | 614.5 | -6.4 | -6.1 | 060 | 44. |
| 156 | 19968. | 608.3 | 614.8 | -6.4 | -6.1 | 060 | 44. |
| 157 | 20096. | 608.5 | 615.0 | -6.5 | -6.1 | 060 | 44. |
| 158 | 20224. | 608.8 | 615.3 | -6.5 | -6.1 | 060 | 44. |
| 159 | 20352. | 609.0 | 615.6 | -6.5 | -6.1 | 060 | 44. |
| 160 | 20480. | 609.3 | 615.9 | -6.6 | -6.1 | 060 | 44. |
| 161 | 20608. | 609.5 | 616.1 | -6.6 | -6.1 | 060 | 45. |
| 162 | 20736. | 609.8 | 616.4 | -6.6 | -6.1 | 060 | 46. |
| 163 | 20864. | 610.0 | 616.7 | -6.7 | -6.1 | 060 | 46. |
| 164 | 20992. | 610.2 | 616.9 | -6.7 | -6.1 | 060 | 46. |
| 165 | 21120. | 610.5 | 617.2 | -6.7 | -6.1 | 060 | 46. |
| | 21221. | | | | | | |

SEC. 21230.000

THIS BEACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS

27. (296. 289.0 273.7 -7.7 5.5 0.5 80.

INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE PNT
OF EACH REACH BY INC NO. FOR EXAMPLE 202 63 165
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

2

2

SUMMARY PRINTOUT

MAYO RIVER VACTIVITY OF M

| SECON | Q | CNSFL | EG | IV | VCH | 10K*5 | HL | STGHL | STCHR | SSTA | ENDST |
|---------|----------|--------|--------|-----|-------|-------|------|---------|---------|---------|--------|
| 1.00 | 21400.00 | 554.15 | 554.74 | .59 | 7.84 | 14.96 | 0.00 | 1418.00 | 1542.00 | 1324.75 | 3109.3 |
| 1.00 | 41000.00 | 557.39 | 557.99 | .60 | 9.01 | 15.17 | 0.00 | 1418.00 | 1542.00 | 1171.43 | 3227.4 |
| 1.00 | 52000.00 | 558.78 | 559.40 | .62 | 9.52 | 15.19 | 0.00 | 1418.00 | 1542.00 | 1147.78 | 3248.9 |
| 2.00 | 69000.00 | 562.63 | 563.30 | .67 | 10.79 | 15.08 | 0.00 | 1418.00 | 1542.00 | 585.16 | 3308.2 |
| 50.00 | 21400.00 | 554.26 | 554.82 | .56 | 7.69 | 14.30 | .07 | 1418.00 | 1542.00 | 1320.74 | 3115.9 |
| 50.00 | 41000.00 | 557.48 | 558.07 | .58 | 8.89 | 14.64 | .07 | 1418.00 | 1542.00 | 1169.76 | 3228.9 |
| 50.00 | 52000.00 | 558.87 | 559.48 | .60 | 9.42 | 14.79 | .07 | 1418.00 | 1542.00 | 1146.36 | 3250.2 |
| 50.00 | 69000.00 | 562.72 | 563.38 | .66 | 10.71 | 14.78 | .07 | 1418.00 | 1542.00 | 582.69 | 3309.4 |
| 100.00 | 21400.00 | 554.32 | 554.89 | .57 | 7.73 | 14.46 | .07 | 1418.00 | 1542.00 | 1321.76 | 3114.2 |
| 100.00 | 41000.00 | 557.55 | 558.14 | .59 | 8.92 | 14.77 | .07 | 1418.00 | 1542.00 | 1170.19 | 3228.6 |
| 100.00 | 52000.00 | 558.95 | 559.55 | .61 | 9.45 | 14.91 | .07 | 1418.00 | 1542.00 | 1146.78 | 3249.8 |
| 100.00 | 69000.00 | 562.80 | 563.46 | .66 | 10.74 | 14.87 | .07 | 1418.00 | 1542.00 | 583.59 | 3309.0 |
| 150.00 | 21400.00 | 554.42 | 554.97 | .55 | 7.62 | 13.98 | .07 | 1418.00 | 1542.00 | 1318.73 | 3119.2 |
| 150.00 | 41000.00 | 557.65 | 558.22 | .57 | 8.82 | 14.36 | .07 | 1418.00 | 1542.00 | 1168.83 | 3229.8 |
| 150.00 | 52000.00 | 559.04 | 559.63 | .59 | 9.33 | 14.44 | .07 | 1418.00 | 1542.00 | 1145.07 | 3251.4 |
| 150.00 | 69000.00 | 562.89 | 563.53 | .65 | 10.64 | 14.53 | .07 | 1418.00 | 1542.00 | 580.96 | 3310.5 |
| 200.00 | 21400.00 | 554.47 | 555.05 | .58 | 7.79 | 14.77 | .07 | 1418.00 | 1542.00 | 1323.64 | 3111.1 |
| 200.00 | 41000.00 | 557.70 | 558.30 | .60 | 8.98 | 15.03 | .07 | 1418.00 | 1542.00 | 1170.99 | 3227.8 |
| 200.00 | 52000.00 | 559.10 | 559.71 | .61 | 9.49 | 15.06 | .07 | 1418.00 | 1542.00 | 1147.33 | 3249.3 |
| 200.00 | 69000.00 | 562.95 | 563.61 | .67 | 10.77 | 15.01 | .07 | 1418.00 | 1542.00 | 584.63 | 3308.5 |
| 1010.00 | 21400.00 | 555.67 | 556.23 | .56 | 7.67 | 14.20 | 1.17 | 1418.00 | 1542.00 | 1320.14 | 3116.9 |
| 1010.00 | 41000.00 | 558.92 | 559.50 | .57 | 8.84 | 14.43 | 1.19 | 1418.00 | 1542.00 | 1169.07 | 3229.6 |
| 1010.00 | 52000.00 | 560.32 | 560.91 | .59 | 9.35 | 14.52 | 1.20 | 1418.00 | 1542.00 | 1145.37 | 3251.1 |
| 1010.00 | 69000.00 | 564.17 | 564.82 | .65 | 10.67 | 14.63 | 1.20 | 1418.00 | 1542.00 | 581.73 | 3310.1 |
| 1060.00 | 21400.00 | 555.89 | 556.33 | .44 | 6.93 | 14.22 | .07 | 1389.00 | 1623.00 | 1288.12 | 3130.4 |
| 1060.00 | 41000.00 | 559.33 | 559.62 | .32 | 6.70 | 14.45 | .07 | 1389.00 | 1623.00 | 1162.70 | 3235.4 |
| 1060.00 | 52000.00 | 560.68 | 561.03 | .35 | 7.14 | 13.99 | .07 | 1389.00 | 1623.00 | 1139.30 | 3256.6 |
| 1060.00 | 69000.00 | 564.48 | 564.93 | .45 | 8.37 | 13.34 | .07 | 1389.00 | 1623.00 | 572.81 | 3315.0 |
| 1061.00 | 21400.00 | 555.87 | 556.36 | .29 | 5.08 | 9.41 | .00 | 1389.00 | 1623.00 | 1389.87 | 3123.2 |
| 1061.00 | 41000.00 | 559.32 | 559.62 | .31 | 4.23 | 6.46 | .00 | 1389.00 | 1623.00 | 1389.61 | 3187.6 |
| 1061.00 | 52000.00 | 560.69 | 561.04 | .34 | 4.25 | 5.90 | .00 | 1389.00 | 1623.00 | 1389.50 | 3215.0 |
| 1061.00 | 69000.00 | 564.47 | 564.94 | .47 | 3.44 | 5.47 | .00 | 1389.00 | 1623.00 | 1389.20 | 3290.2 |
| 1067.00 | 21400.00 | 556.10 | 556.38 | .28 | 5.03 | 9.23 | .02 | 1389.00 | 1623.00 | 1389.87 | 3123.8 |
| 1067.00 | 41000.00 | 559.34 | 559.64 | .30 | 4.20 | 6.39 | .02 | 1389.00 | 1623.00 | 1389.61 | 3188.1 |
| 1067.00 | 52000.00 | 560.71 | 561.05 | .34 | 4.23 | 5.84 | .02 | 1389.00 | 1623.00 | 1389.50 | 3215.5 |
| 1067.00 | 69000.00 | 564.48 | 564.95 | .47 | 3.43 | 5.44 | .01 | 1389.00 | 1623.00 | 1389.19 | 3290.5 |
| 1068.00 | 21400.00 | 556.02 | 556.43 | .41 | 6.77 | 13.39 | .00 | 1389.00 | 1623.00 | 1278.44 | 3138.8 |
| 1068.00 | 41000.00 | 559.33 | 559.65 | .32 | 6.66 | 14.25 | .00 | 1389.00 | 1623.00 | 1162.08 | 3235.9 |
| 1068.00 | 52000.00 | 560.71 | 561.06 | .35 | 7.12 | 13.85 | .00 | 1389.00 | 1623.00 | 1138.73 | 3257.1 |
| 1068.00 | 69000.00 | 564.51 | 564.94 | .45 | 8.35 | 13.27 | .00 | 1389.00 | 1623.00 | 572.23 | 3315.5 |
| 1138.00 | 21400.00 | 556.05 | 556.52 | .47 | 7.19 | 12.12 | .06 | 1418.00 | 1542.00 | 1305.79 | 3140.5 |
| 1138.00 | 41000.00 | 559.28 | 559.79 | .51 | 8.42 | 12.73 | .07 | 1418.00 | 1542.00 | 1163.00 | 3235.1 |
| 1138.00 | 52000.00 | 560.64 | 561.20 | .53 | 8.98 | 13.05 | .07 | 1418.00 | 1542.00 | 1139.60 | 3256.3 |
| 1138.00 | 69000.00 | 564.48 | 565.09 | .61 | 10.36 | 13.52 | .07 | 1418.00 | 1542.00 | 572.60 | 3315.0 |

| STENO | ... | PSFL | ... | IV | ... | LOKAS | ... | STORL | ... | STOR | ... | STOR | ... | STOR | ... |
|----------|----------|--------|--------|------|-------|-------|-------|--------|--------|--------|--------|------|-----|------|-----|
| 5750.00 | 21400.00 | 572.98 | 584.57 | 1.02 | 10.32 | 23.00 | 7.99 | 674.00 | 818.00 | 619.54 | 883.8 | | | | |
| 5759.00 | 21000.00 | 573.63 | 577.10 | 1.27 | 14.91 | 19.07 | 9.26 | 674.00 | 818.00 | 563.79 | 938.6 | | | | |
| 5750.00 | 22000.00 | 574.37 | 572.59 | 1.21 | 17.09 | 11.98 | 9.92 | 674.00 | 818.00 | 544.48 | 963.1 | | | | |
| 5740.00 | 22000.00 | 572.59 | 579.47 | 1.00 | 22.94 | 56.30 | 11.23 | 674.00 | 818.00 | 486.39 | 1202.9 | | | | |
| 5717.00 | 21400.00 | 577.03 | 567.90 | 0.87 | 7.60 | 9.33 | 3.17 | 674.00 | 818.00 | 563.08 | 941.7 | | | | |
| 5717.00 | 21000.00 | 573.19 | 574.51 | 1.34 | 10.00 | 10.73 | 4.04 | 674.00 | 818.00 | 478.26 | 1211.9 | | | | |
| 5707.00 | 22000.00 | 575.94 | 577.47 | 1.45 | 10.71 | 10.66 | 4.26 | 674.00 | 818.00 | 440.42 | 1253.7 | | | | |
| 5707.00 | 22000.00 | 573.39 | 585.01 | 1.02 | 12.23 | 10.00 | 4.49 | 674.00 | 818.00 | 370.53 | 1324.2 | | | | |
| 5707.00 | 21400.00 | 577.33 | 567.99 | 0.66 | 6.52 | 9.73 | 0.05 | 600.00 | 840.00 | 600.00 | 891.8 | | | | |
| 5707.00 | 21000.00 | 573.90 | 574.67 | 0.67 | 7.80 | 0.30 | 0.05 | 600.00 | 840.00 | 470.89 | 1221.1 | | | | |
| 5707.00 | 22000.00 | 576.59 | 577.54 | 0.94 | 8.34 | 7.96 | 0.05 | 600.00 | 840.00 | 432.10 | 1243.4 | | | | |
| 5707.00 | 22000.00 | 574.01 | 583.15 | 1.14 | 9.62 | 7.30 | 0.04 | 600.00 | 840.00 | 366.40 | 1327.6 | | | | |
| 5707.00 | 21400.00 | 577.27 | 568.02 | 0.75 | 6.95 | 12.29 | 0.00 | 600.00 | 840.00 | 600.55 | 839.6 | | | | |
| 5707.00 | 21000.00 | 573.71 | 574.72 | 1.01 | 6.47 | 39.16 | 0.00 | 600.00 | 840.00 | 450.92 | 1212.5 | | | | |
| 5707.00 | 22000.00 | 576.93 | 577.60 | 0.67 | 6.61 | 18.89 | 0.00 | 600.00 | 840.00 | 381.47 | 1278.1 | | | | |
| 5707.00 | 22000.00 | 574.76 | 585.24 | 0.92 | 4.64 | 5.98 | 0.00 | 600.00 | 840.00 | 259.63 | 1402.1 | | | | |
| 5707.00 | 21400.00 | 577.31 | 568.05 | 0.76 | 6.93 | 12.22 | 0.03 | 600.00 | 840.00 | 600.55 | 839.7 | | | | |
| 5707.00 | 21000.00 | 573.87 | 574.83 | 0.96 | 8.27 | 36.88 | 0.09 | 600.00 | 840.00 | 447.17 | 1215.6 | | | | |
| 5707.00 | 22000.00 | 576.98 | 577.65 | 0.67 | 6.56 | 18.54 | 0.05 | 600.00 | 840.00 | 380.58 | 1279.2 | | | | |
| 5707.00 | 22000.00 | 574.78 | 585.29 | 0.91 | 4.64 | 5.96 | 0.01 | 600.00 | 840.00 | 259.40 | 1402.3 | | | | |
| 5703.00 | 21400.00 | 577.02 | 568.07 | 0.65 | 6.48 | 12.02 | 0.00 | 600.00 | 840.00 | 600.00 | 953.1 | | | | |
| 5703.00 | 21000.00 | 574.64 | 574.66 | 0.82 | 7.60 | 9.81 | 0.00 | 600.00 | 840.00 | 467.48 | 1224.8 | | | | |
| 5703.00 | 22000.00 | 576.60 | 577.74 | 0.89 | 8.02 | 9.34 | 0.00 | 600.00 | 840.00 | 428.41 | 1267.4 | | | | |
| 5703.00 | 22000.00 | 574.44 | 585.49 | 1.01 | 9.16 | 8.20 | 0.00 | 600.00 | 840.00 | 363.27 | 1330.2 | | | | |
| 5703.00 | 21400.00 | 577.39 | 568.19 | 0.80 | 7.44 | 10.80 | 0.06 | 674.00 | 818.00 | 558.16 | 947.4 | | | | |
| 5703.00 | 21000.00 | 573.90 | 575.04 | 1.14 | 9.38 | 11.50 | 0.05 | 674.00 | 818.00 | 468.47 | 1222.7 | | | | |
| 5703.00 | 22000.00 | 576.71 | 577.92 | 1.21 | 9.08 | 11.29 | 0.05 | 674.00 | 818.00 | 429.98 | 1265.3 | | | | |
| 5703.00 | 22000.00 | 584.35 | 585.66 | 1.30 | 11.23 | 10.32 | 0.05 | 674.00 | 818.00 | 364.11 | 1329.5 | | | | |
| 9443.00 | 21400.00 | 569.14 | 571.22 | 2.08 | 11.64 | 44.17 | 2.92 | 674.00 | 818.00 | 640.35 | 867.1 | | | | |
| 9443.00 | 21000.00 | 575.36 | 578.19 | 2.83 | 14.00 | 37.49 | 2.48 | 674.00 | 818.00 | 554.38 | 951.7 | | | | |
| 9443.00 | 22000.00 | 577.97 | 581.11 | 3.14 | 15.01 | 36.22 | 2.42 | 674.00 | 818.00 | 518.31 | 993.2 | | | | |
| 9443.00 | 22000.00 | 585.36 | 586.46 | 3.09 | 16.14 | 28.23 | 2.08 | 674.00 | 818.00 | 416.93 | 1279.7 | | | | |
| 10743.00 | 21400.00 | 576.37 | 579.61 | 3.22 | 14.44 | 69.60 | 7.93 | 674.00 | 818.00 | 673.03 | 840.9 | | | | |
| 10743.00 | 21000.00 | 581.12 | 586.26 | 5.14 | 18.44 | 38.10 | 7.14 | 674.00 | 818.00 | 607.48 | 893.5 | | | | |
| 10743.00 | 22000.00 | 583.25 | 589.15 | 5.80 | 19.96 | 36.38 | 6.94 | 674.00 | 818.00 | 577.78 | 924.8 | | | | |
| 10743.00 | 22000.00 | 589.85 | 596.45 | 6.60 | 22.23 | 69.47 | 5.48 | 674.00 | 818.00 | 486.93 | 1202.3 | | | | |
| 12236.00 | 21400.00 | 584.61 | 585.07 | 0.66 | 5.44 | 17.03 | 4.91 | 230.00 | 730.00 | 236.58 | 725.1 | | | | |
| 12236.00 | 21000.00 | 590.17 | 596.75 | 0.98 | 6.15 | 11.03 | 3.58 | 230.00 | 730.00 | 224.59 | 760.0 | | | | |
| 12236.00 | 22000.00 | 592.70 | 593.44 | 0.65 | 6.48 | 9.73 | 3.24 | 230.00 | 730.00 | 218.04 | 792.0 | | | | |
| 12236.00 | 22000.00 | 599.47 | 600.41 | 0.91 | 7.73 | 8.67 | 2.82 | 230.00 | 730.00 | 261.27 | 873.7 | | | | |
| 12240.00 | 21400.00 | 584.64 | 585.59 | 0.66 | 5.45 | 16.90 | 0.02 | 230.00 | 730.00 | 236.58 | 725.1 | | | | |
| 12240.00 | 21000.00 | 593.34 | 596.76 | 0.98 | 6.12 | 10.99 | 0.01 | 230.00 | 730.00 | 224.55 | 760.2 | | | | |
| 12240.00 | 22000.00 | 592.82 | 593.43 | 0.65 | 6.48 | 9.70 | 0.01 | 230.00 | 730.00 | 218.00 | 792.1 | | | | |
| 12240.00 | 22000.00 | 599.47 | 600.42 | 0.91 | 7.72 | 8.65 | 0.01 | 230.00 | 730.00 | 261.24 | 873.9 | | | | |

INPUTS ON WHICH NO. OF THE NUMBER OF HEADS AND OTHER INFO IS THE ONLY

| SECNO | Q | C-SEL | EG | HV | VCH | 10K*S | HL | STCHL | STCHR | SSTA | ENDST |
|----------|----------|--------|--------|------|-------|-------|-------|--------|--------|--------|--------|
| 5750.00 | 21400.00 | 562.95 | 564.57 | 1.62 | 10.32 | 23.60 | 7.59 | 674.00 | 818.00 | 619.54 | 883.8 |
| 5750.00 | 41000.00 | 566.83 | 570.10 | 3.27 | 14.91 | 35.67 | 9.20 | 674.00 | 818.00 | 565.79 | 938.6 |
| 5750.00 | 52000.00 | 568.38 | 572.59 | 4.21 | 17.09 | 41.98 | 9.92 | 674.00 | 818.00 | 544.48 | 963.1 |
| 5750.00 | 69000.00 | 572.59 | 579.47 | 6.88 | 22.54 | 56.30 | 11.23 | 674.00 | 818.00 | 486.39 | 1202.9 |
| 8007.00 | 21400.00 | 567.03 | 567.90 | .87 | 7.68 | 9.33 | 3.17 | 674.00 | 818.00 | 563.08 | 941.7 |
| 8007.00 | 41000.00 | 573.19 | 574.53 | 1.34 | 10.00 | 10.73 | 4.04 | 674.00 | 818.00 | 478.26 | 1211.9 |
| 8007.00 | 52000.00 | 575.95 | 577.40 | 1.45 | 10.71 | 10.66 | 4.26 | 674.00 | 818.00 | 440.42 | 1253.7 |
| 8007.00 | 69000.00 | 583.39 | 585.01 | 1.62 | 12.23 | 10.08 | 4.49 | 674.00 | 818.00 | 370.53 | 1324.2 |
| 8057.00 | 21400.00 | 557.33 | 567.99 | .66 | 6.52 | 9.73 | .05 | 600.00 | 840.00 | 600.00 | 951.8 |
| 8057.00 | 41000.00 | 573.79 | 574.67 | .87 | 7.80 | 8.30 | .05 | 600.00 | 840.00 | 470.89 | 1221.1 |
| 8057.00 | 52000.00 | 576.58 | 577.54 | .96 | 8.34 | 7.96 | .05 | 600.00 | 840.00 | 432.10 | 1263.4 |
| 8057.00 | 69000.00 | 585.03 | 585.15 | 1.15 | 9.62 | 7.30 | .04 | 600.00 | 840.00 | 366.40 | 1327.6 |
| 8067.00 | 21400.00 | 567.27 | 568.02 | .75 | 6.95 | 12.29 | .00 | 600.00 | 840.00 | 600.55 | 839.6 |
| 8067.00 | 41000.00 | 573.71 | 574.72 | 1.01 | 8.47 | 39.16 | .00 | 600.00 | 840.00 | 450.92 | 1212.5 |
| 8067.00 | 52000.00 | 576.93 | 577.60 | .67 | 6.61 | 18.89 | .00 | 600.00 | 840.00 | 381.47 | 1278.1 |
| 8067.00 | 69000.00 | 584.76 | 585.28 | .52 | 4.64 | 5.98 | .00 | 600.00 | 840.00 | 259.63 | 1402.1 |
| 8092.00 | 21400.00 | 567.31 | 568.05 | .75 | 6.93 | 12.22 | .03 | 600.00 | 840.00 | 600.55 | 839.7 |
| 8092.00 | 41000.00 | 573.87 | 574.63 | .96 | 8.27 | 36.88 | .09 | 600.00 | 840.00 | 447.17 | 1215.6 |
| 8092.00 | 52000.00 | 576.90 | 577.65 | .67 | 6.56 | 18.54 | .05 | 600.00 | 840.00 | 380.58 | 1279.2 |
| 8092.00 | 69000.00 | 584.78 | 585.29 | .51 | 4.64 | 5.96 | .01 | 600.00 | 840.00 | 259.40 | 1402.3 |
| 8093.00 | 21400.00 | 567.42 | 568.07 | .65 | 6.48 | 12.02 | .00 | 600.00 | 840.00 | 600.00 | 953.1 |
| 8093.00 | 41000.00 | 574.04 | 574.86 | .82 | 7.60 | 9.81 | .00 | 600.00 | 840.00 | 467.48 | 1224.8 |
| 8093.00 | 52000.00 | 576.85 | 577.74 | .89 | 8.09 | 9.34 | .00 | 600.00 | 840.00 | 428.41 | 1267.4 |
| 8093.00 | 69000.00 | 584.48 | 585.49 | 1.01 | 9.16 | 8.20 | .00 | 600.00 | 840.00 | 363.27 | 1330.2 |
| 8143.00 | 21400.00 | 567.39 | 568.19 | .80 | 7.44 | 10.80 | .06 | 674.00 | 818.00 | 558.16 | 947.4 |
| 8143.00 | 41000.00 | 573.90 | 575.04 | 1.14 | 9.30 | 11.50 | .05 | 674.00 | 818.00 | 468.47 | 1222.7 |
| 8143.00 | 52000.00 | 576.74 | 577.92 | 1.21 | 9.98 | 11.29 | .05 | 674.00 | 818.00 | 429.98 | 1265.3 |
| 8143.00 | 69000.00 | 584.35 | 585.66 | 1.30 | 11.21 | 10.32 | .05 | 674.00 | 818.00 | 364.11 | 1329.5 |
| 9443.00 | 21400.00 | 569.14 | 571.22 | 2.08 | 11.64 | 44.17 | 2.52 | 674.00 | 818.00 | 640.35 | 867.1 |
| 9443.00 | 41000.00 | 575.30 | 576.19 | 2.83 | 14.00 | 37.49 | 2.48 | 674.00 | 818.00 | 554.38 | 951.7 |
| 9443.00 | 52000.00 | 577.97 | 581.11 | 3.14 | 15.03 | 36.22 | 2.42 | 674.00 | 818.00 | 518.31 | 993.2 |
| 9443.00 | 69000.00 | 585.36 | 588.46 | 3.09 | 16.10 | 28.23 | 2.08 | 674.00 | 818.00 | 416.93 | 1279.7 |
| 10743.00 | 21400.00 | 576.37 | 579.61 | 3.27 | 14.44 | 89.60 | 7.93 | 674.00 | 818.00 | 673.03 | 840.9 |
| 10743.00 | 41000.00 | 581.12 | 586.26 | 3.14 | 18.44 | 88.10 | 7.14 | 674.00 | 818.00 | 607.48 | 893.5 |
| 10743.00 | 52000.00 | 583.26 | 589.15 | 3.89 | 19.96 | 86.38 | 6.94 | 674.00 | 818.00 | 577.78 | 924.8 |
| 10743.00 | 69000.00 | 589.85 | 596.45 | 6.69 | 22.23 | 69.47 | 5.48 | 674.00 | 818.00 | 486.93 | 1202.3 |
| 12230.00 | 21400.00 | 584.61 | 585.07 | .46 | 5.44 | 17.03 | 4.91 | 230.00 | 730.00 | 236.58 | 725.1 |
| 12230.00 | 41000.00 | 590.17 | 590.75 | .58 | 6.13 | 11.03 | 3.58 | 230.00 | 730.00 | 224.59 | 760.0 |
| 12230.00 | 52000.00 | 592.79 | 593.44 | .65 | 6.48 | 9.73 | 3.24 | 230.00 | 730.00 | 218.04 | 792.0 |
| 12230.00 | 69000.00 | 599.40 | 600.41 | .91 | 7.73 | 8.67 | 2.82 | 230.00 | 730.00 | 201.27 | 873.7 |
| 12240.00 | 21400.00 | 584.63 | 585.69 | .46 | 5.43 | 16.90 | .02 | 230.00 | 730.00 | 236.55 | 725.1 |
| 12240.00 | 41000.00 | 590.18 | 590.76 | .58 | 6.12 | 10.99 | .01 | 230.00 | 730.00 | 224.55 | 760.2 |
| 12240.00 | 52000.00 | 592.80 | 593.45 | .65 | 6.48 | 9.70 | .01 | 230.00 | 730.00 | 218.00 | 792.1 |
| 12240.00 | 69000.00 | 599.50 | 600.42 | .91 | 7.72 | 8.65 | .01 | 230.00 | 730.00 | 201.24 | 873.9 |

| SECNO | G | CWSEL | EG | HV | VCH | 10K*S | HL | STCHL | STCHR | SSTA | ENDST |
|----------|----------|--------|--------|------|-------|-------|-------|--------|--------|--------|-------|
| 12250.00 | 21400.00 | 584.65 | 585.11 | .46 | 5.41 | 16.78 | .02 | 230.00 | 730.00 | 236.52 | 725.1 |
| 12250.00 | 41000.00 | 590.19 | 590.77 | .58 | 6.11 | 10.96 | .01 | 230.00 | 730.00 | 224.52 | 760.3 |
| 12250.00 | 52000.00 | 592.81 | 593.46 | .65 | 6.47 | 9.68 | .01 | 230.00 | 730.00 | 217.98 | 792.3 |
| 12250.00 | 69000.00 | 599.51 | 600.42 | .91 | 7.72 | 8.64 | .01 | 230.00 | 730.00 | 201.22 | 874.0 |
| 12270.00 | 21400.00 | 584.69 | 585.14 | .45 | 5.39 | 16.56 | .03 | 230.00 | 730.00 | 236.46 | 725.2 |
| 12270.00 | 41000.00 | 590.22 | 590.79 | .58 | 6.10 | 10.90 | .02 | 230.00 | 730.00 | 224.47 | 760.6 |
| 12270.00 | 52000.00 | 592.83 | 593.48 | .65 | 6.46 | 9.64 | .02 | 230.00 | 730.00 | 217.93 | 792.5 |
| 12270.00 | 69000.00 | 599.53 | 600.44 | .91 | 7.71 | 8.62 | .02 | 230.00 | 730.00 | 201.18 | 874.2 |
| 12280.00 | 21400.00 | 592.39 | 594.71 | 2.32 | 13.24 | 69.56 | .03 | 230.00 | 434.00 | 216.78 | 630.4 |
| 12280.00 | 41000.00 | 595.09 | 598.26 | 3.11 | 15.76 | 56.67 | .02 | 230.00 | 434.00 | 210.83 | 718.9 |
| 12280.00 | 52000.00 | 596.28 | 599.76 | 3.48 | 16.84 | 54.48 | .02 | 230.00 | 434.00 | 208.20 | 758.0 |
| 12280.00 | 69000.00 | 599.69 | 603.94 | 4.29 | 19.22 | 40.83 | .02 | 230.00 | 434.00 | 200.77 | 868.4 |
| 12290.00 | 21400.00 | 593.33 | 594.91 | 1.58 | 11.03 | 37.53 | .05 | 230.00 | 434.00 | 214.72 | 661.2 |
| 12290.00 | 41000.00 | 596.25 | 598.43 | 2.18 | 13.34 | 34.39 | .04 | 230.00 | 434.00 | 208.28 | 756.8 |
| 12290.00 | 52000.00 | 597.55 | 600.00 | 2.45 | 14.30 | 33.48 | .04 | 230.00 | 434.00 | 205.42 | 799.4 |
| 12290.00 | 69000.00 | 601.82 | 603.26 | 2.84 | 15.68 | 27.04 | .04 | 230.00 | 434.00 | 195.73 | 890.6 |
| 12300.00 | 21400.00 | 593.46 | 594.96 | 1.50 | 10.76 | 34.82 | .04 | 230.00 | 434.00 | 214.42 | 665.6 |
| 12300.00 | 41000.00 | 596.38 | 598.48 | 2.10 | 13.10 | 32.53 | .03 | 230.00 | 434.00 | 207.98 | 761.3 |
| 12300.00 | 52000.00 | 597.71 | 600.06 | 2.35 | 14.00 | 31.45 | .03 | 230.00 | 434.00 | 205.04 | 805.0 |
| 12300.00 | 69000.00 | 601.82 | 604.30 | 2.78 | 15.51 | 26.22 | .03 | 230.00 | 434.00 | 195.43 | 891.4 |
| 12305.00 | 21400.00 | 594.04 | 595.07 | 1.03 | 8.36 | 19.11 | .01 | 230.00 | 434.00 | 214.41 | 675.6 |
| 12305.00 | 41000.00 | 596.17 | 598.65 | 2.48 | 13.20 | 38.00 | .02 | 230.00 | 434.00 | 209.27 | 748.5 |
| 12305.00 | 52000.00 | 597.13 | 600.48 | 3.34 | 15.43 | 47.42 | .02 | 230.00 | 434.00 | 206.92 | 781.9 |
| 12305.00 | 69000.00 | 600.30 | 606.05 | 5.75 | 20.72 | 66.18 | .02 | 230.00 | 434.00 | 199.69 | 882.2 |
| 12320.00 | 21400.00 | 594.07 | 595.16 | 1.02 | 8.35 | 18.87 | .03 | 230.00 | 434.00 | 214.31 | 677.0 |
| 12320.00 | 41000.00 | 596.29 | 598.72 | 2.43 | 13.07 | 36.77 | .06 | 230.00 | 434.00 | 208.97 | 752.7 |
| 12320.00 | 52000.00 | 597.35 | 600.57 | 3.22 | 15.17 | 45.00 | .07 | 230.00 | 434.00 | 206.41 | 789.0 |
| 12320.00 | 69000.00 | 602.36 | 606.46 | 4.10 | 17.84 | 42.47 | .08 | 230.00 | 434.00 | 192.92 | 897.6 |
| 12370.00 | 21400.00 | 594.19 | 595.19 | 1.00 | 8.27 | 18.29 | .09 | 230.00 | 434.00 | 214.07 | 680.5 |
| 12370.00 | 41000.00 | 596.65 | 598.92 | 2.27 | 12.66 | 33.38 | .18 | 230.00 | 434.00 | 208.08 | 765.3 |
| 12370.00 | 52000.00 | 597.94 | 600.84 | 2.90 | 14.46 | 38.84 | .21 | 230.00 | 434.00 | 204.97 | 809.5 |
| 12370.00 | 69000.00 | 603.05 | 606.74 | 3.69 | 17.03 | 36.98 | .20 | 230.00 | 434.00 | 190.85 | 902.8 |
| 12420.00 | 21400.00 | 594.31 | 595.29 | .97 | 8.16 | 17.58 | .09 | 230.00 | 434.00 | 213.75 | 684.9 |
| 12420.00 | 41000.00 | 596.56 | 599.11 | 2.15 | 12.34 | 30.83 | .16 | 230.00 | 434.00 | 207.34 | 775.8 |
| 12420.00 | 52000.00 | 598.36 | 601.67 | 2.70 | 14.00 | 35.12 | .18 | 230.00 | 434.00 | 203.95 | 823.9 |
| 12420.00 | 69000.00 | 603.53 | 606.97 | 3.44 | 16.49 | 33.63 | .18 | 230.00 | 434.00 | 189.39 | 906.5 |
| 12520.00 | 21400.00 | 594.54 | 595.47 | .93 | 7.99 | 16.44 | .17 | 230.00 | 434.00 | 213.22 | 692.5 |
| 12520.00 | 41000.00 | 597.78 | 599.44 | 1.96 | 11.84 | 27.08 | .29 | 230.00 | 434.00 | 206.10 | 793.5 |
| 12520.00 | 52000.00 | 599.83 | 601.45 | 2.42 | 13.31 | 30.37 | .32 | 230.00 | 434.00 | 202.34 | 846.8 |
| 12520.00 | 69000.00 | 604.25 | 607.35 | 3.10 | 15.76 | 29.40 | .31 | 230.00 | 434.00 | 187.24 | 911.8 |
| 21230.00 | 21400.00 | 610.75 | 611.36 | .58 | 6.13 | 20.19 | 15.83 | 350.00 | 860.00 | 364.73 | 852.3 |
| 21230.00 | 41000.00 | 615.47 | 616.25 | .76 | 7.08 | 14.11 | 16.58 | 350.00 | 860.00 | 360.98 | 854.1 |
| 21230.00 | 52000.00 | 617.55 | 618.47 | .91 | 7.82 | 13.30 | 15.71 | 350.00 | 860.00 | 359.31 | 854.9 |
| 21230.00 | 69000.00 | 622.93 | 624.29 | 1.36 | 9.37 | 13.34 | 16.60 | 350.00 | 860.00 | 355.01 | 857.0 |

POSSIBLE ERROR SECNO= 5750.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 10743.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12290.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 3 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12305.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

F W Table
Final
3/22/76

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | JNO | INVT | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| | -1. | 4. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 558.800 | -0.000 |
| J2 | NPROF | IPLDT | PRFVS | XSECV | XSECH | FN | ALLOC | IBW | CHNIM | ITRACE |
| | 1.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| J3 | -2.000 | 200.000 | 38.000 | -1.000 | 50.000 | 3.000 | 10.000 | 11.000 | 5.000 | 26.000 |
| J3 | 10.000 | 4.000 | 27.000 | 28.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| J4 | -1.000 | -10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| QT | -0.000 | 21400.000 | 41000.000 | 52000.000 | 89000.000 | 52000.000 | 52000.000 | 52000.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 1.000 | 38.000 | 1418.000 | 1542.000 | 0.000 | 0.000 | 0.000 | 0.000 | -1.400 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 50.000 | 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 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 100.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .100 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 150.000 | 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 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 200.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .200 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2890.000 |
| X1 | 1010.000 | 0.000 | -0.000 | -0.000 | 810.000 | 810.000 | 810.000 | -0.000 | 1.100 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2870.000 |
| X1 | 1060.000 | 38.000 | 1389.000 | 1623.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

FINAL F/W TABLE

| | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2920.000 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 1061.000 | 46.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 19.000 | 0.000 | 595.800 | 564.300 | 400.000 | 572.300 | 564.300 | 500.000 | 568.900 | 564.300 |
| BT | 600.000 | 566.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 |
| BT | 566.900 | 564.300 | 1623.000 | 566.900 | 564.300 | 1800.000 | 565.900 | 564.300 | 1900.000 | 564.100 |
| BT | 550.000 | 2000.000 | 561.300 | 550.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 550.000 |
| BT | 2300.000 | 552.400 | 550.000 | 2400.000 | 551.600 | 550.000 | 2900.000 | 551.800 | 550.000 | 3000.000 |
| BT | 552.500 | 550.000 | 3100.000 | 554.900 | 550.000 | 3400.000 | 570.000 | 550.000 | -0.000 | -0.000 |
| GR | 595.800 | 0.000 | 572.300 | 400.000 | 568.900 | 500.000 | 566.400 | 600.000 | 565.200 | 700.000 |
| GR | 566.300 | 700.000 | 566.900 | 1389.000 | 554.500 | 1390.000 | 553.100 | 1419.000 | 566.900 | 1420.000 |
| GR | 566.900 | 1421.000 | 553.000 | 1422.000 | 538.500 | 1452.000 | 566.900 | 1453.000 | 566.900 | 1454.000 |
| GR | 538.000 | 1455.000 | 535.000 | 1485.000 | 566.900 | 1486.000 | 566.900 | 1487.000 | 535.300 | 1488.000 |
| GR | 546.000 | 1518.000 | 566.900 | 1519.000 | 566.900 | 1520.000 | 548.300 | 1521.000 | 557.000 | 1551.000 |
| GR | 566.900 | 1552.000 | 566.900 | 1553.000 | 556.500 | 1554.000 | 556.100 | 1584.000 | 566.900 | 1585.000 |
| GR | 566.900 | 1586.000 | 556.100 | 1587.000 | 556.200 | 1622.000 | 566.900 | 1623.000 | 566.900 | 1624.000 |
| GR | 565.900 | 1800.000 | 564.100 | 1900.000 | 561.300 | 2000.000 | 557.800 | 2100.000 | 554.200 | 2200.000 |
| GH | 552.400 | 2300.000 | 551.600 | 2400.000 | 551.800 | 2900.000 | 552.500 | 3000.000 | 554.900 | 3100.000 |
| GR | 570.000 | 3400.000 | -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 | 9.100 | -0.000 | -0.000 | 1390.000 | 2920.000 |
| X1 | 1087.000 | -0.000 | -0.000 | -0.000 | 26.000 | 26.000 | 26.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2880.000 |
| X1 | 1088.000 | 38.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2910.000 |
| X1 | 1138.000 | 38.000 | 1418.000 | 1542.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 570.000 | 820.000 |
| X1 | 5750.000 | 23.000 | 674.000 | 818.000 | 4612.000 | 4612.000 | 4612.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 |
| X1 | 8007.000 | -0.000 | -0.000 | -0.000 | 2257.000 | 2257.000 | 2257.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 |
| X1 | 5057.000 | 23.000 | 600.000 | 840.000 | 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 | 568.100 | 568.100 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |

| | | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| ET | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 9.100 | 0.000 | 0.000 | 500.000 | 1150.000 |
| X1 | 8067.000 | 37.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 15.000 | 0.000 | 602.000 | 568.100 | 100.000 | 595.400 | 568.100 | 200.000 | 589.000 | 568.100 | 568.100 |
| BT | 300.000 | 581.900 | 568.100 | 400.000 | 575.800 | 568.100 | 500.000 | 571.700 | 568.100 | 600.000 | 600.000 |
| BT | 570.700 | 568.100 | 840.000 | 570.700 | 568.100 | 900.000 | 570.700 | 568.100 | 1000.000 | 570.600 | 570.600 |
| BT | 568.100 | 1100.000 | 571.300 | 568.100 | 1200.000 | 573.100 | 568.100 | 1300.000 | 578.000 | 568.100 | 568.100 |
| BT | 1400.000 | 584.600 | 568.100 | 1500.000 | 592.500 | 568.100 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 602.000 | 0.000 | 595.400 | 100.000 | 589.000 | 200.000 | 581.900 | 300.000 | 575.800 | 400.000 | 400.000 |
| GR | 571.700 | 500.000 | 570.700 | 600.000 | 564.500 | 601.000 | 561.400 | 641.000 | 570.700 | 642.000 | 642.000 |
| GR | 570.700 | 643.000 | 561.400 | 644.000 | 550.000 | 684.000 | 570.700 | 685.000 | 570.700 | 686.000 | 686.000 |
| GR | 550.000 | 687.000 | 546.000 | 727.000 | 570.700 | 728.000 | 570.700 | 729.000 | 546.000 | 730.000 | 730.000 |
| GR | 548.000 | 770.000 | 570.700 | 771.000 | 570.700 | 772.000 | 548.000 | 773.000 | 557.000 | 813.000 | 813.000 |
| GR | 570.700 | 814.000 | 570.700 | 815.000 | 557.000 | 816.000 | 559.500 | 839.000 | 570.700 | 840.000 | 840.000 |
| GR | 570.700 | 900.000 | 570.600 | 1000.000 | 571.300 | 1100.000 | 573.100 | 1200.000 | 578.000 | 1300.000 | 1300.000 |
| GR | 584.600 | 1400.000 | 592.500 | 1500.000 | -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 | 9.100 | -0.000 | -0.000 | 500.000 | 1150.000 |
| X1 | 8092.000 | -0.000 | -0.000 | -0.000 | 25.000 | 25.000 | 25.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -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 | 9.100 | -0.000 | -0.000 | 550.000 | 1050.000 |
| X1 | 8093.000 | 23.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 570.800 | 570.800 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 530.000 | 1080.000 | 1080.000 |
| X1 | 8143.000 | 23.000 | 674.000 | 818.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 590.000 | 880.000 | 880.000 |
| X1 | 9443.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | -0.000 | 7.700 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 580.000 | 820.000 | 820.000 |
| X1 | 10743.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | -0.000 | 9.600 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | 700.000 |
| X1 | 12230.000 | 34.000 | 230.000 | 730.000 | 1487.000 | 1487.000 | 1487.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 229.000 | 229.000 |
| GR | 588.400 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 | 310.000 |
| GR | 576.800 | 330.000 | 576.300 | 350.000 | 576.500 | 370.000 | 576.400 | 390.000 | 577.000 | 410.000 | 410.000 |
| GR | 576.600 | 430.000 | 576.800 | 450.000 | 576.900 | 470.000 | 576.600 | 490.000 | 576.300 | 510.000 | 510.000 |
| GR | 575.900 | 530.000 | 575.600 | 550.000 | 575.800 | 570.000 | 576.000 | 590.000 | 575.300 | 610.000 | 610.000 |
| GR | 575.700 | 630.000 | 576.900 | 650.000 | 576.400 | 670.000 | 575.700 | 690.000 | 575.100 | 710.000 | 710.000 |
| GR | 587.700 | 730.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | 700.000 |
| X1 | 12240.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | 700.000 |
| X1 | 12250.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | 700.000 |
| X1 | 12270.000 | -0.000 | -0.000 | -0.000 | 20.000 | 20.000 | 20.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | 700.000 |

| | | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|--------|
| X1 | 12280.000 | 9.000 | 230.000 | 434.000 | 10.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 586.400 | 230.000 | |
| GR | 586.400 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 | |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | |
| X1 | 12290.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 | |
| X1 | 12300.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 | |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 | |
| X1 | 12305.000 | 19.000 | 230.000 | 434.000 | 5.000 | 5.000 | 5.000 | -0.000 | -0.000 | -0.000 | |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 587.600 | 250.000 | |
| GR | 583.900 | 250.000 | 582.000 | 270.000 | 581.500 | 290.000 | 581.000 | 310.000 | 581.200 | 330.000 | |
| GR | 580.400 | 350.000 | 580.600 | 370.000 | 581.300 | 390.000 | 582.100 | 410.000 | 584.100 | 414.000 | |
| GR | 587.000 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 | |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 | |
| X1 | 12320.000 | -0.000 | -0.000 | -0.000 | 15.000 | 15.000 | 15.000 | -0.000 | -0.000 | -0.000 | |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 | |
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 | |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 | |
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 | |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 | |
| X1 | 21230.000 | 35.000 | 350.000 | 860.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 | |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 344.000 | 630.000 | 346.000 | 630.000 | 348.000 | |
| GR | 629.200 | 350.000 | 604.200 | 370.000 | 603.700 | 390.000 | 603.500 | 410.000 | 603.200 | 430.000 | |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 | |
| GR | 603.800 | 550.000 | 602.700 | 577.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 | |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.100 | 710.000 | 604.800 | 730.000 | |
| GR | 605.400 | 750.000 | 604.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 | |
| GR | 604.700 | 850.000 | 630.600 | 860.000 | 640.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 | |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | |

3685 20 TRIALS USED WSEL;CHSEL
 ERROR STATEMENT APPLIES TO SECTION 12280.000

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12290.000

INTERACTIVE HEC2 VERSION UPDATED FEB 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM-BR MADISON-MAYODAN NC FIS
T2 METHOD 4 FLOODWAY (1.0 FT INCREASE)
T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | C | WSEL | FQ |
|----|--------|--------|--------|--------|-----------|--------|--------|--------|---------|--------|
| | -10. | 6. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 559.800 | -0.000 |
| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDG | IBW | CHNIM | TRACE |
| | 15.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

3685 20 TRIALS USED WSEL,CWSEL
ERROR STATEMENT APPLIES TO SECTION 12280,000

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12280,000

| | | | | | | |
|-----------|------|-------|------|-------|-------|-----|
| 12370.000 | 400. | 4725. | 11.0 | 597.8 | 597.9 | -.2 |
| 12420.000 | 400. | 4903. | 10.6 | 598.2 | 598.4 | -.1 |
| 12520.000 | 400. | 5185. | 10.0 | 598.9 | 599.0 | -.1 |
| 21230.000 | 496. | 6334. | 7.5 | 617.8 | 617.6 | .2 |

65

SUMMARY PRINTOUT

MAYO RIVER VICINITY OF M

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K+S | VCH | HV | TOPWID | STENCL | STENCR |
|---------|--------|--------|--------|------|------|-------|-------|------|---------|---------|--------|
| 1.00 | 558.80 | 0.00 | 559.41 | .61 | 0.00 | 15.10 | 9.50 | .61 | 2101.77 | 0.00 | 0.0 |
| 1.00 | 559.80 | 1.00 | 560.45 | .65 | 0.00 | 15.22 | 9.51 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 50.00 | 558.89 | 0.00 | 559.49 | .60 | .07 | 14.70 | 9.40 | .60 | 2104.47 | 0.00 | 0.0 |
| 50.00 | 559.89 | 1.00 | 560.53 | .64 | .08 | 14.89 | 9.43 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 100.00 | 558.96 | 0.00 | 559.57 | .60 | .07 | 14.82 | 9.43 | .60 | 2103.64 | 0.00 | 0.0 |
| 100.00 | 559.96 | 1.00 | 560.61 | .64 | .07 | 14.99 | 9.45 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 150.00 | 559.06 | 0.00 | 559.64 | .58 | .07 | 14.36 | 9.31 | .58 | 2106.88 | 0.00 | 0.0 |
| 150.00 | 560.06 | 1.00 | 560.68 | .63 | .07 | 14.60 | 9.36 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 200.00 | 559.12 | 0.00 | 559.73 | .61 | .07 | 14.98 | 9.47 | .61 | 2102.56 | 0.00 | 0.0 |
| 200.00 | 560.12 | 1.00 | 560.77 | .65 | .07 | 15.13 | 9.49 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 1010.00 | 560.33 | 0.00 | 560.92 | .59 | 1.19 | 14.47 | 9.34 | .59 | 2106.08 | 0.00 | 0.0 |
| 1010.00 | 561.35 | 1.01 | 561.98 | .63 | 1.21 | 14.68 | 9.38 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 1060.00 | 560.69 | 0.00 | 561.04 | .35 | .07 | 13.95 | 7.14 | .35 | 2117.61 | 0.00 | 0.0 |
| 1060.00 | 561.68 | .99 | 562.09 | .41 | .07 | 13.84 | 7.35 | .41 | 1480.00 | 1390.00 | 2870.0 |
| 1061.00 | 560.70 | 0.00 | 561.04 | .34 | .00 | 5.88 | 4.24 | .34 | 1420.15 | 0.00 | 0.0 |
| 1061.00 | 561.72 | 1.01 | 562.10 | .38 | .00 | 5.58 | 4.26 | .38 | 1157.47 | 1390.00 | 2920.0 |
| 1087.00 | 560.72 | 0.00 | 561.06 | .34 | .02 | 5.82 | 4.22 | .34 | 1421.42 | 0.00 | 0.0 |
| 1087.00 | 561.73 | 1.01 | 562.11 | .38 | .01 | 5.53 | 4.25 | .38 | 1158.40 | 1390.00 | 2920.0 |
| 1088.00 | 560.72 | 0.00 | 561.06 | .35 | .00 | 13.79 | 7.11 | .35 | 2118.70 | 0.00 | 0.0 |
| 1088.00 | 561.72 | 1.00 | 562.12 | .40 | .00 | 13.54 | 7.29 | .40 | 1490.00 | 1390.00 | 2880.0 |
| 1138.00 | 560.67 | 0.00 | 561.21 | .53 | .07 | 13.01 | 8.97 | .53 | 2117.04 | 0.00 | 0.0 |
| 1138.00 | 561.69 | 1.02 | 562.25 | .56 | .07 | 13.16 | 8.95 | .56 | 1490.00 | 1420.00 | 2910.0 |
| 5750.00 | 568.37 | 0.00 | 572.59 | 4.22 | 9.91 | 42.03 | 17.10 | 4.22 | 418.47 | 0.00 | 0.0 |
| 5750.00 | 569.17 | .79 | 573.49 | 4.33 | 9.73 | 39.49 | 17.02 | 4.33 | 250.00 | 570.00 | 820.0 |
| 8007.00 | 575.95 | 0.00 | 577.46 | 1.45 | 4.26 | 10.66 | 10.71 | 1.45 | 813.36 | 0.00 | 0.0 |
| 8007.00 | 576.55 | .69 | 578.08 | 1.43 | 4.01 | 10.97 | 10.58 | 1.43 | 500.00 | 540.00 | 1040.0 |
| 8057.00 | 576.59 | 0.00 | 577.54 | .96 | .05 | 7.96 | 8.34 | .96 | 831.37 | 0.00 | 0.0 |
| 8057.00 | 577.27 | .58 | 578.22 | .95 | .04 | 7.49 | 8.25 | .95 | 500.00 | 540.00 | 1040.0 |
| 8067.00 | 576.93 | 0.00 | 577.50 | .67 | .00 | 18.89 | 6.61 | .67 | 896.70 | 0.00 | 0.0 |
| 8067.00 | 577.53 | .60 | 578.27 | .73 | .00 | 17.90 | 6.57 | .73 | 650.00 | 500.00 | 1150.0 |
| 8092.00 | 576.98 | 0.00 | 577.65 | .67 | .05 | 18.54 | 6.56 | .67 | 898.70 | 0.00 | 0.0 |
| 8092.00 | 577.58 | .60 | 578.31 | .73 | .04 | 17.69 | 6.54 | .73 | 650.00 | 500.00 | 1150.0 |
| 8093.00 | 576.85 | 0.00 | 577.74 | .89 | .00 | 9.34 | 8.09 | .89 | 839.07 | 0.00 | 0.0 |
| 8093.00 | 577.48 | .62 | 578.38 | .90 | .00 | 8.96 | 8.07 | .90 | 500.00 | 550.00 | 1050.0 |
| 8143.00 | 576.71 | 0.00 | 577.92 | 1.21 | .05 | 11.29 | 9.98 | 1.21 | 835.34 | 0.00 | 0.0 |
| 8143.00 | 577.35 | .64 | 578.55 | 1.21 | .05 | 10.75 | 9.88 | 1.21 | 550.00 | 530.00 | 1080.0 |

| SECNO | CWSFL | DIFWSP | EG | HV | HL | 10K*S | VCH | HV | TOPWID | STENCL | STENCR |
|----------|--------|--------|--------|------|-------|-------|-------|------|--------|--------|--------|
| 9443.00 | 577.97 | 0.00 | 581.11 | 3.14 | 2.42 | 35.22 | 15.01 | 3.14 | 474.92 | 0.00 | 0.0 |
| 9443.00 | 578.51 | .54 | 581.59 | 3.08 | 2.29 | 34.01 | 14.78 | 3.08 | 290.00 | 590.00 | 880.0 |
| 10743.00 | 583.26 | 0.00 | 589.15 | 5.89 | 6.94 | 86.38 | 19.96 | 5.89 | 347.11 | 0.00 | 0.0 |
| 10743.00 | 583.33 | .07 | 589.71 | 6.38 | 6.80 | 90.58 | 20.49 | 6.38 | 240.00 | 580.00 | 820.0 |
| 12230.00 | 592.79 | 0.00 | 593.44 | .65 | 3.24 | 9.73 | 6.48 | .65 | 573.99 | 0.00 | 0.0 |
| 12230.00 | 593.47 | .68 | 594.14 | .67 | 3.28 | 9.72 | 6.57 | .67 | 483.64 | 210.00 | 700.0 |
| 12240.00 | 592.80 | 0.00 | 593.45 | .65 | .01 | 9.70 | 6.48 | .65 | 574.18 | 0.00 | 0.0 |
| 12240.00 | 593.48 | .68 | 594.15 | .67 | .01 | 9.68 | 6.56 | .67 | 483.69 | 210.00 | 700.0 |
| 12250.00 | 592.81 | 0.00 | 593.46 | .65 | .01 | 9.68 | 6.47 | .65 | 574.32 | 0.00 | 0.0 |
| 12250.00 | 593.49 | .68 | 594.16 | .67 | .01 | 9.67 | 6.56 | .67 | 483.72 | 210.00 | 700.0 |
| 12270.00 | 592.83 | 0.00 | 593.48 | .65 | .02 | 9.64 | 6.46 | .65 | 574.60 | 0.00 | 0.0 |
| 12270.00 | 593.51 | .68 | 594.18 | .67 | .02 | 9.63 | 6.55 | .67 | 483.77 | 210.00 | 700.0 |
| 12280.00 | 596.28 | 0.00 | 599.76 | 3.48 | .02 | 54.48 | 16.84 | 3.48 | 549.89 | 0.00 | 0.0 |
| 12280.00 | 596.16 | -.12 | 599.68 | 3.51 | .02 | 54.33 | 16.68 | 3.51 | 490.00 | 210.00 | 700.0 |
| 12290.00 | 597.55 | 0.00 | 600.00 | 2.45 | .04 | 33.48 | 14.30 | 2.45 | 594.02 | 0.00 | 0.0 |
| 12290.00 | 597.34 | -.21 | 599.91 | 2.56 | .04 | 33.89 | 14.21 | 2.56 | 490.00 | 210.00 | 700.0 |
| 12300.00 | 597.71 | 0.00 | 600.06 | 2.35 | .03 | 31.45 | 14.00 | 2.35 | 600.02 | 0.00 | 0.0 |
| 12300.00 | 597.49 | -.22 | 599.96 | 2.47 | .03 | 31.97 | 13.93 | 2.47 | 490.00 | 210.00 | 700.0 |
| 12305.00 | 597.13 | 0.00 | 600.48 | 3.34 | .02 | 47.42 | 15.43 | 3.34 | 575.02 | 0.00 | 0.0 |
| 12305.00 | 596.91 | -.23 | 600.39 | 3.48 | .02 | 53.18 | 15.70 | 3.48 | 400.00 | 230.00 | 630.0 |
| 12320.00 | 597.35 | 0.00 | 600.57 | 3.22 | .07 | 45.00 | 15.17 | 3.22 | 582.64 | 0.00 | 0.0 |
| 12320.00 | 597.14 | -.20 | 600.49 | 3.34 | .08 | 50.27 | 15.42 | 3.34 | 400.00 | 230.00 | 630.0 |
| 12370.00 | 597.94 | 0.00 | 600.84 | 2.90 | .21 | 38.84 | 14.46 | 2.90 | 604.56 | 0.00 | 0.0 |
| 12370.00 | 597.78 | -.15 | 600.79 | 3.01 | .23 | 43.22 | 14.67 | 3.01 | 400.00 | 230.00 | 630.0 |
| 12420.00 | 598.36 | 0.00 | 601.07 | 2.70 | .18 | 35.12 | 14.00 | 2.70 | 619.99 | 0.00 | 0.0 |
| 12420.00 | 598.23 | -.13 | 601.04 | 2.80 | .21 | 39.06 | 14.19 | 2.80 | 400.00 | 230.00 | 630.0 |
| 12520.00 | 599.03 | 0.00 | 601.45 | 2.42 | .32 | 30.07 | 13.31 | 2.42 | 644.46 | 0.00 | 0.0 |
| 12520.00 | 598.93 | -.09 | 601.45 | 2.52 | .36 | 33.48 | 13.49 | 2.52 | 400.00 | 230.00 | 630.0 |
| 21230.00 | 617.56 | 0.00 | 618.47 | .90 | 16.71 | 13.30 | 7.62 | .90 | 495.66 | 0.00 | 0.0 |
| 21230.00 | 617.79 | .22 | 618.66 | .87 | 16.88 | 12.62 | 7.58 | .87 | 495.92 | 350.00 | 860.0 |

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| | -1 | 4 | -0 | -0 | -0.000000 | -0.00 | -0.00 | -0 | 558,800 | -0,000 |
| J2 | NPROF | IPLOT | PREVS | XSECV | XSECH | FM | ALLDC | IRW | CHNIM | ITRACE |
| | 1.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 15.000 |
| J3 | -2,000 | 200,000 | 38,000 | 1,000 | 50,000 | 3,000 | 10,000 | 11,000 | 5,000 | 26,000 |
| J3 | 10,000 | 4,000 | 27,000 | 28,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| J4 | -1,000 | -10,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| QT | -0,000 | 21400,000 | 41000,000 | 52000,000 | 89000,000 | 52000,000 | 52000,000 | 52000,000 | -0,000 | -0,000 |
| NC | 0,110 | 0,110 | 0,040 | 0,200 | 0,400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 1,000 | 38,000 | 1418,000 | 1542,000 | 0,000 | 0,000 | 0,000 | -0,000 | -1,400 | -0,000 |
| GR | 592,800 | 0,000 | 584,600 | 100,000 | 580,700 | 200,000 | 571,000 | 300,000 | 566,900 | 400,000 |
| GR | 567,100 | 500,000 | 563,500 | 600,000 | 563,000 | 700,000 | 563,400 | 800,000 | 567,900 | 900,000 |
| GR | 568,000 | 1000,000 | 563,000 | 1100,000 | 557,100 | 1200,000 | 556,200 | 1300,000 | 553,100 | 1418,000 |
| GR | 539,100 | 1448,000 | 537,600 | 1469,000 | 535,100 | 1489,000 | 536,600 | 1503,000 | 556,600 | 1542,000 |
| GR | 556,100 | 1589,000 | 556,600 | 1700,000 | 553,800 | 1800,000 | 552,500 | 1900,000 | 551,800 | 2000,000 |
| GR | 551,700 | 2100,000 | 549,400 | 2200,000 | 549,600 | 2300,000 | 550,100 | 2400,000 | 550,300 | 2500,000 |
| GR | 550,900 | 2600,000 | 551,300 | 2700,000 | 551,400 | 2800,000 | 550,900 | 2900,000 | 550,200 | 3000,000 |
| GR | 555,400 | 3100,000 | 557,000 | 3200,000 | 570,000 | 3400,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 50,000 | 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 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 100,000 | 0,000 | -0,000 | -0,000 | 50,000 | 50,000 | 50,000 | -0,000 | 1,100 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 150,000 | 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 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 200,000 | 0,000 | -0,000 | -0,000 | 50,000 | 50,000 | 50,000 | -0,000 | 200 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 1010,000 | 0,000 | -0,000 | -0,000 | 810,000 | 810,000 | 810,000 | -0,000 | 1,100 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 1390,000 | 2870,000 |
| X1 | 1060,000 | 38,000 | 1389,000 | 1623,000 | 50,000 | 50,000 | 50,000 | -0,000 | -0,000 | -0,000 |
| GR | 592,800 | 0,000 | 584,600 | 100,000 | 580,700 | 200,000 | 571,000 | 300,000 | 566,900 | 400,000 |
| GR | 567,100 | 500,000 | 563,500 | 600,000 | 563,000 | 700,000 | 563,400 | 800,000 | 567,900 | 900,000 |
| GR | 568,000 | 1000,000 | 563,000 | 1100,000 | 557,100 | 1200,000 | 554,500 | 1389,000 | 553,100 | 1418,000 |
| GR | 539,100 | 1448,000 | 537,600 | 1469,000 | 535,100 | 1489,000 | 536,600 | 1503,000 | 556,600 | 1542,000 |
| GR | 556,500 | 1623,000 | 556,600 | 1700,000 | 553,800 | 1800,000 | 552,500 | 1900,000 | 551,800 | 2000,000 |
| GR | 551,700 | 2100,000 | 549,400 | 2200,000 | 549,600 | 2300,000 | 550,100 | 2400,000 | 550,300 | 2500,000 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| GR | 550.900 | 2800.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2920.000 |
| X1 | 1061.000 | 46.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 19.000 | 0.000 | 595.800 | 564.300 | 400.000 | 572.300 | 564.300 | 500.000 | 568.900 | 564.300 |
| BT | 600.000 | 566.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 |
| RT | 566.900 | 564.300 | 1623.000 | 566.900 | 564.300 | 1800.000 | 565.900 | 564.300 | 1900.000 | 564.100 |
| BT | 550.000 | 2000.000 | 561.300 | 550.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 550.000 |
| BT | 2300.000 | 552.400 | 550.000 | 2400.000 | 551.600 | 550.000 | 2900.000 | 551.800 | 550.000 | 3000.000 |
| BT | 552.500 | 550.000 | 5100.000 | 554.900 | 550.000 | 3400.000 | 570.000 | 550.000 | -0.000 | -0.000 |
| GR | 595.800 | 0.000 | 572.300 | 400.000 | 568.900 | 500.000 | 566.400 | 600.000 | 565.200 | 700.000 |
| GR | 566.300 | 900.000 | 566.900 | 1389.000 | 554.500 | 1390.000 | 553.100 | 1419.000 | 566.900 | 1420.000 |
| GR | 566.900 | 1421.000 | 553.000 | 1422.000 | 538.500 | 1452.000 | 566.900 | 1453.000 | 566.900 | 1454.000 |
| GR | 538.000 | 1455.000 | 535.000 | 1485.000 | 566.900 | 1486.000 | 566.900 | 1487.000 | 535.300 | 1488.000 |
| GR | 546.000 | 1518.000 | 566.900 | 1519.000 | 566.900 | 1520.000 | 548.300 | 1521.000 | 557.000 | 1551.000 |
| GR | 566.900 | 1552.000 | 566.900 | 1553.000 | 556.500 | 1554.000 | 556.100 | 1584.000 | 566.900 | 1585.000 |
| GR | 566.900 | 1586.000 | 556.100 | 1587.000 | 556.200 | 1622.000 | 566.900 | 1623.000 | 566.900 | 1624.000 |
| GR | 565.900 | 1800.000 | 564.100 | 1900.000 | 561.300 | 2000.000 | 557.800 | 2100.000 | 554.200 | 2200.000 |
| GR | 552.400 | 2300.000 | 551.600 | 2400.000 | 551.800 | 2900.000 | 552.500 | 3000.000 | 554.900 | 3100.000 |
| GR | 570.000 | 3400.000 | -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 | 9.100 | -0.000 | -0.000 | 1390.000 | 2920.000 |
| X1 | 1087.000 | -0.000 | -0.000 | -0.000 | 26.000 | 26.000 | 26.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2880.000 |
| X1 | 1088.000 | 38.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2910.000 |
| X1 | 1138.000 | 38.000 | 1418.000 | 1542.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 670.000 | 820.000 |
| X1 | 5750.000 | 23.000 | 674.000 | 618.000 | 4612.000 | 4612.000 | 4612.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 |
| X1 | 8007.000 | -0.000 | -0.000 | -0.000 | 2257.000 | 2257.000 | 2257.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 |
| X1 | 8057.000 | 23.000 | 600.000 | 840.000 | 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 | 568.100 | 568.100 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |

| | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|
| GR | 548,000 | 740,000 | 548,000 | 700,000 | 548,000 | 700,000 | 547,500 | 000,000 | 547,000 | 810,000 |
| GR | 559,500 | 840,000 | 570,700 | 1030,000 | 571,300 | 1100,000 | 572,400 | 1200,000 | 579,000 | 1300,000 |
| GR | 597,100 | 1400,000 | 592,800 | 1500,000 | 604,100 | 1600,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 500,000 | 1150,000 |
| X1 | 8067,000 | 37,000 | 600,000 | 640,000 | 1,000 | 1,000 | 1,000 | -0,000 | -0,000 | -0,000 |
| RT | 15,000 | 0,000 | 602,000 | 568,100 | 100,000 | 595,400 | 568,100 | 200,000 | 589,000 | 568,100 |
| RT | 300,000 | 581,900 | 568,100 | 400,000 | 575,800 | 568,100 | 500,000 | 571,700 | 568,100 | 600,000 |
| RT | 570,700 | 568,100 | 840,000 | 570,700 | 568,100 | 900,000 | 570,700 | 568,100 | 1000,000 | 570,600 |
| BT | 568,100 | 1100,000 | 571,300 | 568,100 | 1200,000 | 573,100 | 568,100 | 1300,000 | 578,000 | 568,100 |
| BT | 1400,000 | 584,600 | 568,100 | 1500,000 | 592,500 | 568,100 | -0,000 | -0,000 | -0,000 | -0,000 |
| GR | 602,000 | 0,000 | 595,400 | 100,000 | 589,000 | 200,000 | 581,900 | 300,000 | 575,800 | 400,000 |
| GR | 571,700 | 500,000 | 570,700 | 600,000 | 564,500 | 601,000 | 561,400 | 641,000 | 570,700 | 642,000 |
| GR | 570,700 | 643,000 | 561,400 | 644,000 | 550,000 | 684,000 | 570,700 | 685,000 | 570,700 | 686,000 |
| GR | 550,000 | 687,000 | 546,000 | 727,000 | 570,700 | 728,000 | 570,700 | 729,000 | 546,000 | 730,000 |
| GR | 548,000 | 770,000 | 570,700 | 771,000 | 570,700 | 772,000 | 548,000 | 773,000 | 557,000 | 813,000 |
| GR | 570,700 | 814,000 | 570,700 | 815,000 | 557,000 | 816,000 | 559,500 | 839,000 | 570,700 | 840,000 |
| GR | 570,700 | 900,000 | 570,600 | 1000,000 | 571,300 | 1100,000 | 573,100 | 1200,000 | 578,000 | 1300,000 |
| GR | 584,600 | 1400,000 | 592,500 | 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 | 9,100 | -0,000 | -0,000 | 500,000 | 1150,000 |
| X1 | 8092,000 | -0,000 | -0,000 | -0,000 | 25,000 | 25,000 | 25,000 | -0,000 | -0,000 | -0,000 |
| X2 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 1,000 | -0,000 | -0,000 | -0,000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 550,000 | 1050,000 |
| X1 | 8093,000 | 23,000 | 600,000 | 840,000 | 1,000 | 1,000 | 1,000 | -0,000 | -0,000 | -0,000 |
| X3 | 10,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 570,800 | 570,800 | -0,000 |
| GR | 616,000 | 0,000 | 613,500 | 100,000 | 604,300 | 200,000 | 594,100 | 300,000 | 578,900 | 400,000 |
| GR | 564,500 | 600,000 | 559,000 | 674,000 | 551,000 | 685,000 | 546,000 | 700,000 | 547,000 | 720,000 |
| GR | 546,000 | 740,000 | 548,000 | 760,000 | 548,000 | 780,000 | 549,500 | 800,000 | 557,000 | 818,000 |
| GR | 559,500 | 840,000 | 570,700 | 1000,000 | 571,300 | 1100,000 | 572,400 | 1200,000 | 579,000 | 1300,000 |
| GR | 597,100 | 1400,000 | 592,800 | 1500,000 | 604,100 | 1600,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 530,000 | 1080,000 |
| X1 | 8143,000 | 23,000 | 674,000 | 818,000 | 50,000 | 50,000 | 50,000 | -0,000 | -0,000 | -0,000 |
| GR | 616,000 | 0,000 | 613,500 | 100,000 | 604,300 | 200,000 | 594,100 | 300,000 | 578,900 | 400,000 |
| GR | 571,600 | 500,000 | 559,000 | 674,000 | 551,000 | 685,000 | 546,000 | 700,000 | 547,000 | 720,000 |
| GR | 546,000 | 740,000 | 548,000 | 760,000 | 548,000 | 780,000 | 549,500 | 800,000 | 557,000 | 818,000 |
| GR | 564,400 | 900,000 | 570,700 | 1000,000 | 571,300 | 1100,000 | 572,400 | 1200,000 | 579,000 | 1300,000 |
| GR | 597,100 | 1400,000 | 592,800 | 1500,000 | 604,100 | 1600,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 590,000 | 880,000 |
| X1 | 9443,000 | -0,000 | -0,000 | -0,000 | 1300,000 | 1300,000 | 1300,000 | -0,000 | 7,700 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 580,000 | 820,000 |
| X1 | 10743,000 | -0,000 | -0,000 | -0,000 | 1300,000 | 1300,000 | 1300,000 | -0,000 | 9,600 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12230,000 | 34,000 | 230,000 | 730,000 | 1487,000 | 1487,000 | 1487,000 | -0,000 | -0,000 | -0,000 |
| GR | 660,000 | 0,000 | 640,000 | 50,000 | 620,000 | 140,000 | 600,000 | 200,000 | 588,400 | 229,000 |
| GR | 588,400 | 230,000 | 576,900 | 250,000 | 576,700 | 270,000 | 576,500 | 290,000 | 576,900 | 310,000 |
| GR | 576,800 | 330,000 | 576,300 | 350,000 | 576,500 | 370,000 | 576,400 | 390,000 | 577,000 | 410,000 |
| GR | 576,600 | 430,000 | 576,800 | 450,000 | 576,900 | 470,000 | 576,600 | 490,000 | 576,300 | 510,000 |
| GR | 575,900 | 530,000 | 575,600 | 550,000 | 575,800 | 570,000 | 576,000 | 590,000 | 575,300 | 610,000 |
| GR | 575,700 | 630,000 | 576,900 | 650,000 | 576,400 | 670,000 | 575,700 | 690,000 | 575,100 | 710,000 |
| GR | 587,700 | 730,000 | 600,000 | 880,000 | 620,000 | 1030,000 | 640,000 | 1480,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12240,000 | -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 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12250,000 | -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 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 METHOD 4 FLOODWAY (1.0 FT INCREASE)
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | O | WSEL | FO |
|----|--------|--------|--------|--------|-----------|--------|--------|--------|---------|--------|
| | -10. | 6. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 559.800 | -0.000 |
| J2 | NPROF | IPL0T | PREVS | XSECV | XSECH | FN | ALLDC | IBW | CHNTH | ITRACE |
| | 15.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

3685 20 TRIALS USED WSEL,CHSEL
 ERROR STATEMENT APPLIES TO SECTION 12280.000

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

ERROR STATEMENT APPLIES TO SECTION 12280.000

FLOODWAY DATA, MAYO RIVER VICINITY OF H
 PROFILE NO. 2

| STATION | FLOODWAY | | MEAN VELOCITY | WATER SURFACE ELEVATION | | |
|-----------|------------|--------------|---------------|-------------------------|------------------|------------|
| | WIDTH (FT) | SECTION AREA | | WITH FLOODWAY | WITHOUT FLOODWAY | DIFFERENCE |
| 1.000 | 1470. | 14786. | 3.5 | 559.8 | 558.8 | 1.0 |
| 50.000 | 1470. | 14908. | 3.5 | 559.9 | 558.9 | 1.0 |
| 100.000 | 1470. | 14871. | 3.5 | 560.0 | 559.0 | 1.0 |
| 150.000 | 1470. | 15015. | 3.5 | 560.1 | 559.1 | 1.0 |
| 200.000 | 1470. | 14821. | 3.5 | 560.1 | 559.1 | 1.0 |
| 1010.000 | 1470. | 14987. | 3.5 | 561.3 | 560.3 | 1.0 |
| 1060.000 | 1480. | 15483. | 3.4 | 561.7 | 560.7 | 1.0 |
| 1061.000 | 1157. | 10602. | 4.9 | 561.7 | 560.7 | 1.0 |
| 1087.000 | 1158. | 10631. | 4.9 | 561.7 | 560.7 | 1.0 |
| 1088.000 | 1490. | 15652. | 3.3 | 561.7 | 560.7 | 1.0 |
| 1138.000 | 1490. | 15724. | 3.3 | 561.7 | 560.7 | 1.0 |
| 5750.000 | 150. | 2995. | 17.4 | 569.1 | 568.4 | .8 |
| 8007.000 | 500. | 8444. | 6.2 | 577.2 | 576.0 | 1.2 |
| 8057.000 | 500. | 8759. | 5.9 | 577.8 | 576.6 | 1.2 |
| 8067.000 | 650. | 7935. | 6.6 | 578.0 | 576.9 | 1.1 |
| 8092.000 | 650. | 7997. | 6.5 | 578.1 | 577.0 | 1.1 |
| 8093.000 | 500. | 8837. | 5.9 | 578.0 | 576.9 | 1.1 |
| 8143.000 | 550. | 9139. | 5.7 | 577.9 | 576.7 | 1.1 |
| 9443.000 | 290. | 4703. | 11.1 | 578.9 | 578.0 | .9 |
| 10743.000 | 240. | 2850. | 15.2 | 583.4 | 583.3 | .1 |
| 12230.000 | 484. | 7950. | 6.5 | 593.5 | 592.8 | .7 |
| 12240.000 | 484. | 7955. | 6.5 | 593.5 | 592.8 | .7 |
| 12250.000 | 484. | 7960. | 6.5 | 593.5 | 592.8 | .7 |
| 12270.000 | 484. | 7969. | 6.5 | 593.5 | 592.8 | .7 |
| 12280.000 | 490. | 3615. | 14.4 | 596.2 | 596.3 | -.1 |
| 12290.000 | 490. | 4190. | 12.4 | 597.3 | 597.6 | -.2 |
| 12300.000 | 490. | 4267. | 12.2 | 597.5 | 597.7 | -.2 |

12305.000 400, 4376, 11.4, 595.7, 597.1, .2

12320.000 400, 4468, 11.6, 597.1, 597.3, -.2

12370.000 400, 4725, 11.0, 597.8, 597.9, -.2

12420.000 400, 4903, 10.6, 598.2, 598.4, -.1

12520.000 400, 5185, 10.0, 598.9, 599.0, -.1

21230.000 496, 6934, 17.5, 617.8, 617.6, .2

SUMMARY PRINTOUT

MAYO RIVER VICINITY OF M

| SECD | CWSEL | DIFWSP | EG | HV | HL | 10K+S | VCH | HV | TOPWID | STENCL | STENCR |
|---------|--------|--------|--------|------|-------|-------|-------|------|---------|---------|--------|
| 1.00 | 558.80 | 0.00 | 559.41 | .61 | 0.00 | 15.10 | 9.50 | .61 | 2101.77 | 0.00 | 0.0 |
| 1.00 | 559.80 | 1.00 | 560.45 | .65 | 0.00 | 15.22 | 9.51 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 50.00 | 558.89 | 0.00 | 559.49 | .60 | .07 | 14.70 | 9.40 | .60 | 2104.47 | 0.00 | 0.0 |
| 50.00 | 559.89 | 1.00 | 560.53 | .64 | .08 | 14.89 | 9.43 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 100.00 | 558.96 | 0.00 | 559.57 | .60 | .07 | 14.82 | 9.43 | .60 | 2103.64 | 0.00 | 0.0 |
| 100.00 | 559.96 | 1.00 | 560.61 | .64 | .07 | 14.99 | 9.45 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 150.00 | 559.06 | 0.00 | 559.64 | .58 | .07 | 14.36 | 9.31 | .58 | 2106.88 | 0.00 | 0.0 |
| 150.00 | 560.06 | 1.00 | 560.68 | .63 | .07 | 14.60 | 9.36 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 200.00 | 559.12 | 0.00 | 559.73 | .61 | .07 | 14.98 | 9.47 | .61 | 2102.56 | 0.00 | 0.0 |
| 200.00 | 560.12 | 1.00 | 560.77 | .65 | .07 | 15.13 | 9.49 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 1010.00 | 560.33 | 0.00 | 560.92 | .59 | 1.19 | 14.47 | 9.34 | .59 | 2106.08 | 0.00 | 0.0 |
| 1010.00 | 561.35 | 1.01 | 561.98 | .63 | 1.21 | 14.68 | 9.38 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 1060.00 | 560.69 | 0.00 | 561.04 | .35 | .07 | 13.95 | 7.14 | .35 | 2117.61 | 0.00 | 0.0 |
| 1060.00 | 561.68 | .99 | 562.09 | .41 | .07 | 13.84 | 7.35 | .41 | 1480.00 | 1390.00 | 2870.0 |
| 1061.00 | 560.70 | 0.00 | 561.04 | .34 | .00 | 5.88 | 4.24 | .34 | 1420.15 | 0.00 | 0.0 |
| 1061.00 | 561.72 | 1.01 | 562.10 | .38 | .00 | 5.58 | 4.26 | .38 | 1157.47 | 1390.00 | 2920.0 |
| 1087.00 | 560.72 | 0.00 | 561.06 | .34 | .02 | 5.82 | 4.22 | .34 | 1421.42 | 0.00 | 0.0 |
| 1087.00 | 561.73 | 1.01 | 562.11 | .38 | .01 | 5.53 | 4.25 | .38 | 1158.40 | 1390.00 | 2920.0 |
| 1088.00 | 560.72 | 0.00 | 561.06 | .35 | .00 | 13.79 | 7.11 | .35 | 2118.70 | 0.00 | 0.0 |
| 1088.00 | 561.72 | 1.00 | 562.12 | .40 | .00 | 13.54 | 7.29 | .40 | 1490.00 | 1390.00 | 2880.0 |
| 1138.00 | 560.67 | 0.00 | 561.21 | .53 | .07 | 13.01 | 8.97 | .53 | 2117.04 | 0.00 | 0.0 |
| 1138.00 | 561.69 | 1.02 | 562.25 | .56 | .07 | 13.10 | 8.95 | .56 | 1490.00 | 1420.00 | 2910.0 |
| 5750.00 | 568.37 | 0.00 | 572.59 | 4.22 | 9.91 | 42.03 | 17.10 | 4.22 | 418.47 | 0.00 | 0.0 |
| 5750.00 | 569.14 | .77 | 573.95 | 4.81 | 10.00 | 42.55 | 17.65 | 4.81 | 150.00 | 670.00 | 820.0 |
| 8007.00 | 575.95 | 0.00 | 577.40 | 1.45 | 4.26 | 10.66 | 10.71 | 1.45 | 813.36 | 0.00 | 0.0 |
| 8007.00 | 577.19 | 1.24 | 578.54 | 1.35 | 3.90 | 9.30 | 10.30 | 1.35 | 500.00 | 540.00 | 1040.0 |
| 8057.00 | 576.59 | 0.00 | 577.54 | .96 | .05 | 7.96 | 8.34 | .96 | 831.37 | 0.00 | 0.0 |
| 8057.00 | 577.77 | 1.18 | 578.67 | .90 | .04 | 6.93 | 8.04 | .90 | 500.00 | 540.00 | 1040.0 |
| 8067.00 | 576.93 | 0.00 | 577.60 | .67 | .00 | 18.69 | 6.61 | .67 | 896.70 | 0.00 | 0.0 |
| 8067.00 | 578.04 | 1.11 | 578.72 | .58 | .00 | 15.46 | 6.20 | .68 | 650.00 | 500.00 | 1150.0 |
| 8092.00 | 576.98 | 0.00 | 577.65 | .67 | .05 | 18.54 | 6.56 | .67 | 898.70 | 0.00 | 0.0 |
| 8092.00 | 578.08 | 1.10 | 578.76 | .67 | .04 | 15.31 | 6.18 | .87 | 650.00 | 500.00 | 1150.0 |
| 8093.00 | 576.85 | 0.00 | 577.74 | .89 | .00 | 9.34 | 8.09 | .89 | 839.07 | 0.00 | 0.0 |
| 8093.00 | 577.98 | 1.12 | 578.83 | .86 | .00 | 8.30 | 7.87 | .86 | 500.00 | 550.00 | 1050.0 |
| 8143.00 | 576.71 | 0.00 | 577.92 | 1.21 | .05 | 11.29 | 9.98 | 1.21 | 835.34 | 0.00 | 0.0 |
| 8143.00 | 577.85 | 1.14 | 578.89 | 1.14 | .05 | 9.97 | 9.63 | 1.14 | 550.00 | 530.00 | 1080.0 |

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K*S | VCH | HV | TOPWID | STENCL | STENCR |
|------------|--------|--------|--------|------|-------|-------|-------|------|--------|--------|--------|
| 9443.00 | 577.97 | 0.00 | 581.11 | 3.14 | 2.42 | 36.22 | 15.01 | 3.14 | 474.92 | 0.00 | 0.0 |
| 9443.00 | 578.90 | .90 | 581.84 | 2.94 | 2.13 | 31.86 | 14.48 | 2.94 | 290.00 | 590.00 | 880.0 |
| 10743.00 | 583.26 | 0.00 | 589.15 | 5.89 | 6.24 | 86.38 | 19.96 | 5.89 | 347.11 | 0.00 | 0.0 |
| 10743.00 | 583.37 | .10 | 589.72 | 6.35 | 6.51 | 89.91 | 20.44 | 6.35 | 240.00 | 580.00 | 820.0 |
| 12230.00 | 592.79 | 0.00 | 593.44 | .65 | 3.24 | 9.73 | 6.48 | .65 | 573.99 | 0.00 | 0.0 |
| 12230.00 | 593.46 | .67 | 594.13 | .67 | 3.27 | 9.72 | 6.57 | .67 | 483.65 | 210.00 | 700.0 |
| 12240.00 | 592.80 | 0.00 | 593.45 | .65 | .01 | 9.70 | 6.48 | .65 | 574.18 | 0.00 | 0.0 |
| 12240.00 | 593.47 | .67 | 594.14 | .67 | .01 | 9.70 | 6.56 | .67 | 483.67 | 210.00 | 700.0 |
| 12250.00 | 592.81 | 0.00 | 593.46 | .65 | .01 | 9.68 | 6.47 | .65 | 574.32 | 0.00 | 0.0 |
| 12250.00 | 593.48 | .67 | 594.15 | .67 | .01 | 9.68 | 6.56 | .67 | 483.70 | 210.00 | 700.0 |
| 12270.00 | 592.83 | 0.00 | 593.48 | .65 | .02 | 9.64 | 6.46 | .65 | 574.60 | 0.00 | 0.0 |
| 12270.00 | 593.50 | .67 | 594.17 | .67 | .02 | 9.65 | 6.55 | .67 | 483.75 | 210.00 | 700.0 |
| * 12280.00 | 596.28 | 0.00 | 599.76 | 3.48 | .02 | 54.48 | 16.84 | 3.48 | 549.89 | 0.00 | 0.0 |
| * 12280.00 | 596.16 | .12 | 599.68 | 3.51 | .02 | 54.32 | 16.68 | 3.51 | 490.00 | 210.00 | 700.0 |
| 12290.00 | 597.55 | 0.00 | 600.00 | 2.45 | .04 | 33.48 | 14.30 | 2.45 | 594.02 | 0.00 | 0.0 |
| 12290.00 | 597.34 | .21 | 599.91 | 2.56 | .04 | 33.88 | 14.21 | 2.56 | 490.00 | 210.00 | 700.0 |
| 12300.00 | 597.71 | 0.00 | 600.06 | 2.35 | .03 | 31.45 | 14.00 | 2.35 | 600.02 | 0.00 | 0.0 |
| 12300.00 | 597.48 | .22 | 599.96 | 2.47 | .03 | 31.97 | 13.93 | 2.47 | 490.00 | 210.00 | 700.0 |
| 12305.00 | 597.13 | 0.00 | 600.48 | 3.34 | .02 | 47.42 | 15.43 | 3.34 | 575.02 | 0.00 | 0.0 |
| 12305.00 | 596.91 | .23 | 600.39 | 3.48 | .02 | 53.18 | 15.70 | 3.48 | 400.00 | 230.00 | 630.0 |
| 12320.00 | 597.35 | 0.00 | 600.57 | 3.22 | .07 | 45.00 | 15.17 | 3.22 | 582.64 | 0.00 | 0.0 |
| 12320.00 | 597.14 | .20 | 600.49 | 3.35 | .08 | 50.28 | 15.42 | 3.35 | 400.00 | 230.00 | 630.0 |
| 12370.00 | 597.94 | 0.00 | 600.84 | 2.90 | .21 | 38.84 | 14.46 | 2.90 | 604.56 | 0.00 | 0.0 |
| 12370.00 | 597.78 | .16 | 600.79 | 3.01 | .23 | 43.22 | 14.67 | 3.01 | 400.00 | 230.00 | 630.0 |
| 12420.00 | 598.36 | 0.00 | 601.07 | 2.70 | .18 | 35.12 | 14.00 | 2.70 | 619.99 | 0.00 | 0.0 |
| 12420.00 | 598.23 | .13 | 601.04 | 2.80 | .21 | 39.06 | 14.19 | 2.80 | 400.00 | 230.00 | 630.0 |
| 12520.00 | 599.03 | 0.00 | 601.45 | 2.42 | .32 | 30.07 | 13.31 | 2.42 | 644.46 | 0.00 | 0.0 |
| 12520.00 | 598.93 | .09 | 601.45 | 2.52 | .36 | 33.48 | 13.49 | 2.52 | 400.00 | 230.00 | 630.0 |
| 21230.00 | 617.56 | 0.00 | 618.47 | .90 | 16.71 | 13.30 | 7.62 | .90 | 495.66 | 0.00 | 0.0 |
| 21230.00 | 617.79 | .22 | 618.66 | .87 | 16.98 | 12.62 | 7.50 | .87 | 495.92 | 350.00 | 860.0 |

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | INO | NIW | IDIR | STRT | METRIC | HVINS | 0 | WSEL | PO |
|----|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| | -1 | 4 | 0 | -0 | -0.000000 | -0.00 | -0.0 | -0 | 558.800 | -0.000 |
| J2 | NPROF | IPLOT | PRFVS | 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 | 15,000 |
| J3 | -2,000 | 206,000 | 38,000 | 1,000 | 50,000 | 3,000 | -10,000 | 11,000 | 5,000 | -26,000 |
| J3 | 10,000 | 4,000 | 27,000 | 28,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| QT | -0,000 | 21400,000 | 41000,000 | 32000,000 | 89000,000 | 52000,000 | 52000,000 | 52000,000 | -0,000 | -0,000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 1,000 | 38,000 | 1418,000 | 1542,000 | 0,000 | 0,000 | 0,000 | -0,000 | -1,400 | -0,000 |
| GR | 592.800 | 0,000 | 584.600 | 100,000 | 580,700 | 200,000 | 571,000 | 300,000 | 566,900 | 400,000 |
| GR | 567.100 | 500,000 | 563,500 | 600,000 | 563,000 | 700,000 | 563,400 | 800,000 | 567,900 | 900,000 |
| GR | 568,000 | 1000,000 | 563,000 | 1100,000 | 557,100 | 1200,000 | 556,200 | 1300,000 | 553,100 | 1418,000 |
| GR | 539,100 | 1448,000 | 537,600 | 1469,000 | 535,100 | 1489,000 | 536,600 | 1503,000 | 556,600 | 1542,000 |
| GR | 556,100 | 1589,000 | 556,600 | 1700,000 | 553,800 | 1800,000 | 552,500 | 1900,000 | 551,800 | 2000,000 |
| GR | 551,700 | 2100,000 | 549,400 | 2200,000 | 549,600 | 2300,000 | 550,100 | 2400,000 | 550,300 | 2500,000 |
| GR | 550,900 | 2600,000 | 551,300 | 2700,000 | 551,400 | 2800,000 | 550,900 | 2900,000 | 550,200 | 3000,000 |
| GR | 555,400 | 3100,000 | 557,000 | 3200,000 | 570,000 | 3400,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 50,000 | 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 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 100,000 | 0,000 | -0,000 | -0,000 | 50,000 | 50,000 | 50,000 | -0,000 | .100 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 150,000 | 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 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 200,000 | 0,000 | -0,000 | -0,000 | 50,000 | 50,000 | 50,000 | -0,000 | .200 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9.100 | -0,000 | -0,000 | 1420,000 | 2890,000 |
| X1 | 1010,000 | 0,000 | -0,000 | -0,000 | 810,000 | 810,000 | 810,000 | -0,000 | 1.100 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9.100 | -0,000 | -0,000 | 1390,000 | 2870,000 |
| X1 | 1060,000 | 38,000 | 1389,000 | 1623,000 | 50,000 | 50,000 | 50,000 | -0,000 | -0,000 | -0,000 |
| GR | 592.800 | 0,000 | 584.600 | 100,000 | 580,700 | 200,000 | 571,000 | 300,000 | 566,900 | 400,000 |
| GR | 567,100 | 500,000 | 563,500 | 600,000 | 563,000 | 700,000 | 563,400 | 800,000 | 567,900 | 900,000 |
| GR | 568,000 | 1000,000 | 563,000 | 1100,000 | 557,100 | 1200,000 | 554,500 | 1389,000 | 553,100 | 1418,000 |
| GR | 539,100 | 1448,000 | 537,600 | 1469,000 | 535,100 | 1489,000 | 536,600 | 1503,000 | 556,600 | 1542,000 |
| GR | 556,500 | 1623,000 | 556,600 | 1700,000 | 553,800 | 1800,000 | 552,500 | 1900,000 | 551,800 | 2000,000 |
| GR | 551,700 | 2100,000 | 549,400 | 2200,000 | 549,600 | 2300,000 | 550,100 | 2400,000 | 550,300 | 2500,000 |
| GR | 550,900 | 2600,000 | 551,300 | 2700,000 | 551,400 | 2800,000 | 550,900 | 2900,000 | 550,300 | 3000,000 |
| GR | 555,400 | 3100,000 | 557,000 | 3200,000 | 570,000 | 3400,000 | -0,000 | -0,000 | -0,000 | -0,000 |

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|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ET | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | 9.100 | -0.00 | -0.00 | 1390.000 | 2920.000 |
| X1 | 1061.000 | 46.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| BT | 19.000 | 0.000 | 595.800 | 564.300 | 400.000 | 572.300 | 564.300 | 500.000 | 568.900 | 564.300 | 564.300 |
| BT | 600.000 | 566.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 | 1389.000 |
| BT | 566.900 | 564.300 | 1623.000 | 566.900 | 564.300 | 1800.000 | 565.900 | 564.300 | 1900.000 | 564.300 | 564.300 |
| BT | 550.000 | 2000.000 | 561.300 | 550.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 550.000 | 550.000 |
| BT | 2300.000 | 552.400 | 550.000 | 2400.000 | 551.600 | 550.000 | 2900.000 | 551.800 | 550.000 | 3000.000 | 3000.000 |
| BT | 552.500 | 550.000 | 3100.000 | 554.900 | 550.000 | 3400.000 | 570.000 | 550.000 | -0.000 | -0.000 | -0.000 |
| GR | 595.800 | 0.000 | 572.300 | 400.000 | 568.900 | 500.000 | 566.400 | 600.000 | 565.200 | 700.000 | 700.000 |
| GR | 566.300 | 900.000 | 566.900 | 1389.000 | 554.500 | 1390.000 | 553.100 | 1419.000 | 566.900 | 1420.000 | 1420.000 |
| GR | 566.900 | 1421.000 | 553.000 | 1422.000 | 538.500 | 1452.000 | 566.900 | 1453.000 | 566.900 | 1454.000 | 1454.000 |
| GR | 538.000 | 1455.000 | 535.000 | 1485.000 | 566.900 | 1486.000 | 566.900 | 1487.000 | 535.300 | 1488.000 | 1488.000 |
| GR | 546.000 | 1518.000 | 566.900 | 1519.000 | 566.900 | 1520.000 | 548.300 | 1521.000 | 557.000 | 1551.000 | 1551.000 |
| GR | 566.900 | 1552.000 | 566.900 | 1553.000 | 556.500 | 1554.000 | 556.100 | 1584.000 | 566.900 | 1585.000 | 1585.000 |
| GR | 566.900 | 1586.000 | 556.100 | 1587.000 | 556.200 | 1622.000 | 566.900 | 1623.000 | 566.900 | 1624.000 | 1624.000 |
| GR | 565.900 | 1800.000 | 564.100 | 1900.000 | 561.300 | 2000.000 | 557.800 | 2100.000 | 554.200 | 2200.000 | 2200.000 |
| GR | 552.400 | 2300.000 | 551.600 | 2400.000 | 551.800 | 2900.000 | 552.500 | 3000.000 | 554.900 | 3100.000 | 3100.000 |
| GR | 570.000 | 3400.000 | -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 | 9.100 | -0.000 | -0.000 | 1390.000 | 2920.000 | 2920.000 |

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|----|----------|--------|--------|--------|--------|--------|--------|--------|----------|----------|----------|
| X1 | 1087.000 | -0.000 | -0.000 | -0.000 | 26.000 | 26.000 | 26.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | 110 | 110 | 0.00 | 0.200 | 0.400 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1390.000 | 2880.000 | 2880.000 |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|----------|----------|----------|
| X1 | 1088.000 | 38.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 1420.000 | 2910.000 | 2910.000 |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|----------|
| X1 | 1138.000 | 38.000 | 1418.000 | 1542.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 670.000 | 820.000 | 820.000 |

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|----|----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|----------|
| X1 | 5750.000 | 23.000 | 674.000 | 818.000 | 4612.000 | 4612.000 | 4612.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 | 1040.000 |

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|----|----------|--------|--------|--------|----------|----------|----------|--------|---------|----------|----------|
| X1 | 8007.000 | -0.000 | -0.000 | -0.000 | 2257.000 | 2257.000 | 2257.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 540.000 | 1040.000 | 1040.000 |

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|----|----------|---------|---------|----------|---------|----------|---------|----------|---------|----------|----------|
| X1 | 8057.000 | 23.000 | 600.000 | 840.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 568.100 | 568.100 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 | 1300.000 |

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|----|-----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|
| NC | 0.030 | 0.030 | 0.030 | 0.200 | 0.400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 500.000 | 1150.000 |
| X1 | 8067.000 | 37.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 15.000 | 0.000 | 602.000 | 568.100 | 100.000 | 595.400 | 568.100 | 200.000 | 589.000 | 568.100 |
| BT | 300.000 | 581.900 | 568.100 | 400.000 | 575.800 | 568.100 | 500.000 | 571.700 | 568.100 | 600.000 |
| BT | 570.700 | 568.100 | 840.000 | 570.700 | 568.100 | 900.000 | 570.700 | 568.100 | 1000.000 | 570.600 |
| BT | 568.100 | 1100.000 | 571.300 | 568.100 | 1200.000 | 573.100 | 568.100 | 1300.000 | 578.000 | 568.100 |
| BT | 1400.000 | 584.600 | 568.100 | 1500.000 | 592.500 | 568.100 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 602.000 | 0.000 | 595.400 | 100.000 | 589.000 | 200.000 | 581.900 | 300.000 | 575.800 | 400.000 |
| GR | 571.700 | 500.000 | 570.700 | 600.000 | 564.500 | 601.000 | 561.400 | 641.000 | 570.700 | 642.000 |
| GR | 570.700 | 643.000 | 561.400 | 644.000 | 550.000 | 684.000 | 570.700 | 685.000 | 570.700 | 686.000 |
| GR | 550.000 | 687.000 | 546.000 | 727.000 | 570.700 | 728.000 | 570.700 | 729.000 | 546.000 | 730.000 |
| GR | 548.000 | 770.000 | 570.700 | 771.000 | 570.700 | 772.000 | 548.000 | 773.000 | 557.000 | 813.000 |
| GR | 570.700 | 814.000 | 570.700 | 815.000 | 557.000 | 816.000 | 559.500 | 839.000 | 570.700 | 840.000 |
| GR | 570.700 | 900.000 | 570.600 | 1000.000 | 571.300 | 1100.000 | 573.100 | 1200.000 | 578.000 | 1300.000 |
| GR | 504.600 | 1400.000 | 592.500 | 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 | 9.100 | -0.000 | -0.000 | 500.000 | 1150.000 |
| X1 | 8092.000 | -0.000 | -0.000 | -0.000 | 25.000 | 25.000 | 25.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 550.000 | 1050.000 |
| X1 | 8093.000 | 23.000 | 600.000 | 840.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 570.800 | 570.800 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 530.000 | 1080.000 |
| X1 | 8143.000 | 23.000 | 674.000 | 818.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 590.000 | 880.000 |
| X1 | 9443.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | -7.700 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 680.000 | 820.000 |
| X1 | 10743.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | -9.600 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12230.000 | 34.000 | 230.000 | 730.000 | 1487.000 | 1487.000 | 1487.000 | -0.000 | -0.000 | -0.000 |
| GR | 610.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 229.000 |
| GR | 588.400 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 |
| GR | 576.800 | 330.000 | 576.300 | 350.000 | 576.500 | 370.000 | 576.400 | 390.000 | 577.000 | 410.000 |
| GR | 576.600 | 430.000 | 576.800 | 450.000 | 576.900 | 470.000 | 576.600 | 490.000 | 576.300 | 510.000 |
| GR | 575.900 | 530.000 | 575.600 | 550.000 | 575.800 | 570.000 | 576.000 | 590.000 | 575.300 | 610.000 |
| GR | 575.700 | 630.000 | 576.900 | 650.000 | 576.400 | 670.000 | 575.700 | 690.000 | 575.100 | 710.000 |
| GR | 587.700 | 730.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12240.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12250.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12270.000 | -0.000 | -0.000 | -0.000 | 20.000 | 20.000 | 20.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 500.000 | 1150.000 |

0.000 0.000 0.000 0.000 0.000 0.100 0.000 0.000 210.000 700.000

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|----|-----------|---------|---------|---------|---------|----------|---------|----------|---------|---------|
| X1 | 12280.000 | 9.000 | 230.000 | 434.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 586.400 | 230.000 |
| GR | 586.400 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |

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|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12290.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12300.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|---------|----------|---------|----------|---------|---------|
| X1 | 12305.000 | 19.000 | 230.000 | 434.000 | 5.000 | 5.000 | 5.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 587.600 | 230.000 |
| GR | 583.900 | 250.000 | 582.000 | 270.000 | 581.500 | 290.000 | 581.000 | 310.000 | 581.200 | 330.000 |
| GR | 580.400 | 350.000 | 580.600 | 370.000 | 581.300 | 390.000 | 582.100 | 410.000 | 584.100 | 414.000 |
| GR | 587.000 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12320.000 | -0.000 | -0.000 | -0.000 | 15.000 | 15.000 | 15.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

| | | | | | | | | | | |
|----|-----------|--------|--------|--------|---------|---------|---------|--------|---------|---------|
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| X1 | 21230.000 | 35.000 | 350.000 | 860.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 344.000 | 630.000 | 346.000 | 630.000 | 348.000 |
| GR | 629.200 | 350.000 | 604.200 | 370.000 | 603.700 | 390.000 | 603.500 | 410.000 | 603.200 | 430.000 |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 |
| GR | 603.800 | 550.000 | 602.700 | 577.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.100 | 710.000 | 604.800 | 730.000 |
| GR | 605.400 | 750.000 | 604.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 |
| GR | 604.700 | 850.000 | 630.600 | 860.000 | 640.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

CONTINUOUS RECORDING SYSTEMS
 10000 W. 10th Ave. Denver, CO 80202
 TEL: 303.751.1000 FAX: 303.751.1001

 INTERACTIVE MEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 METHOD 4 FLOODWAY (1.0 FT INCREASE)
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| | | | | | | | | | | |
|----|--------|--------|--------|--------|-----------|--------|--------|--------|---------|--------|
| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | D | WSEL | FQ |
| | -10. | 6. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 559.800 | -0.000 |
| J2 | NPROF | YPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IRW | CHNTH | ITRACE |
| | 15.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

*PROF 2

CCHV= .200 CEHV= .400
 *SECNO 1.000

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | GLOSS | BANK | ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|------------|------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT | |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA | |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST | |

3470 ENCROACHMENT STATIONS= 1420.0 2890.0 TYPE= 1 TARGET= 1470.000

| | | | | | | | | | | |
|---------|-------|--------|--------|--------|--------|--------|-------|---------|----------|--|
| 1.00 | 26.10 | 559.80 | 0.00 | 559.80 | 560.45 | .65 | 0.00 | 0.00 | 99998.60 | |
| 52000. | 0. | 22229. | 29771. | 0. | 2337. | 12449. | 0. | 0. | 555.20 | |
| 0.00 | 0.00 | 9.51 | 2.39 | .110 | .040 | .110 | 0.000 | 533.70 | 1420.00 | |
| .001522 | 0. | 0. | 0. | 0 | 0 | 1 | 0.00 | 1470.00 | 2890.00 | |

*SECNO 50.000

3470 ENCROACHMENT STATIONS= 1420.0 2890.0 TYPE= 1 TARGET= 1470.000

| | | | | | | | | | | |
|---------|-------|--------|--------|------|--------|--------|------|--------------|---------|--|
| 50.00 | 26.19 | 559.89 | 0.00 | 0.00 | 560.53 | .64 | .08 | .00100000.00 | | |
| 52000. | 0. | 22133. | 29867. | 0. | 2347. | 12560. | 17. | 2. | 555.20 | |
| .00 | 0.00 | 9.43 | 2.38 | .110 | .040 | .110 | .039 | 533.70 | 1420.00 | |
| .001489 | 50. | 50. | 50. | 1 | 0 | 1 | 0.00 | 1470.00 | 2890.00 | |

*SECNO 100.000

3470 ENCROACHMENT STATIONS= 1420.0 2890.0 TYPE= 1 TARGET= 1470.000

| | | | | | | | | | | |
|---------|-------|--------|--------|------|--------|--------|------|--------------|---------|--|
| 100.00 | 26.16 | 559.96 | 0.00 | 0.00 | 560.61 | .64 | .07 | .00100000.00 | | |
| 52000. | 0. | 22161. | 29839. | 0. | 2344. | 12527. | 34. | 3. | 555.30 | |
| .01 | 0.00 | 9.45 | 2.38 | .110 | .040 | .110 | .039 | 533.80 | 1420.00 | |
| .001499 | 50. | 50. | 50. | 0 | 0 | 1 | 0.00 | 1470.00 | 2890.00 | |

*SECNO 150.000

3470 ENCROACHMENT STATIONS= 1420.0 2890.0 TYPE= 1 TARGET= 1470.000

| | | | | | | | | | | |
|--------|-------|--------|--------|------|--------|--------|-----|--------------|--------|--|
| 150.00 | 26.26 | 560.06 | 0.00 | 0.00 | 560.68 | .63 | .07 | .00100000.00 | | |
| 52000. | 0. | 22049. | 29951. | 0. | 2356. | 12659. | 51. | 5. | 555.30 | |

COMPUTER GENERATED BY THE U.S. ARMY CORPS OF ENGINEERS
 WASHINGTON, D.C. 20315

12300.000 400. 4378. 11.7 598.9 597.1 -.2

12320.000 400. 4470. 11.6 597.1 597.3 -.2

12370.000 400. 4726. 11.0 597.8 597.9 -.2

12420.000 400. 4904. 10.6 598.2 598.4 -.1

12520.000 400. 5185. 10.0 598.9 599.0 -.1

21230.000 496. 6933. 7.5 617.8 617.6 .2

CONSOLIDATED SECURITY & INVESTMENT SYSTEMS, INC.
1000 EAST 100TH STREET, SUITE 100
CINCINNATI, OHIO 45244-1000

SUMMARY PRINTOUT

MAYO RIVER VACINITY OF M

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K*S | VCH | HV | TOPWID | STENCL | STENCR |
|---------|--------|--------|--------|------|-------|-------|-------|------|---------|---------|--------|
| 1.00 | 558.80 | 0.00 | 559.41 | .61 | 0.00 | 15.10 | 9.50 | .61 | 2101.77 | 0.00 | 0.0 |
| 1.00 | 559.80 | 1.00 | 560.45 | .65 | 0.00 | 15.22 | 9.51 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 50.00 | 558.89 | 0.00 | 559.49 | .60 | .07 | 14.70 | 9.40 | .60 | 2104.47 | 0.00 | 0.0 |
| 50.00 | 559.89 | 1.00 | 560.53 | .64 | .08 | 14.89 | 9.43 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 100.00 | 558.96 | 0.00 | 559.57 | .60 | .07 | 14.82 | 9.43 | .60 | 2103.64 | 0.00 | 0.0 |
| 100.00 | 559.96 | 1.00 | 560.61 | .64 | .07 | 14.99 | 9.45 | .64 | 1470.00 | 1420.00 | 2890.0 |
| 150.00 | 559.06 | 0.00 | 559.64 | .58 | .07 | 14.36 | 9.31 | .58 | 2106.88 | 0.00 | 0.0 |
| 150.00 | 560.06 | 1.00 | 560.68 | .63 | .07 | 14.60 | 9.36 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 200.00 | 559.12 | 0.00 | 559.73 | .61 | .07 | 14.98 | 9.47 | .61 | 2102.56 | 0.00 | 0.0 |
| 200.00 | 560.12 | 1.00 | 560.77 | .65 | .07 | 15.13 | 9.49 | .65 | 1470.00 | 1420.00 | 2890.0 |
| 1010.00 | 560.33 | 0.00 | 560.92 | .59 | 1.19 | 14.47 | 9.34 | .59 | 2106.08 | 0.00 | 0.0 |
| 1010.00 | 561.35 | 1.01 | 561.98 | .63 | 1.21 | 14.68 | 9.38 | .63 | 1470.00 | 1420.00 | 2890.0 |
| 1060.00 | 560.69 | 0.00 | 561.04 | .35 | .07 | 13.95 | 7.15 | .35 | 2117.61 | 0.00 | 0.0 |
| 1060.00 | 561.68 | .99 | 562.09 | .41 | .07 | 13.84 | 7.35 | .41 | 1480.00 | 1390.00 | 2870.0 |
| 1061.00 | 560.70 | 0.00 | 561.04 | .34 | .00 | 5.88 | 4.24 | .34 | 1420.15 | 0.00 | 0.0 |
| 1061.00 | 561.72 | 1.01 | 562.10 | .38 | .00 | 5.58 | 4.26 | .38 | 1157.47 | 1390.00 | 2920.0 |
| 1087.00 | 560.72 | 0.00 | 561.06 | .34 | .02 | 5.82 | 4.22 | .34 | 1421.42 | 0.00 | 0.0 |
| 1087.00 | 561.73 | 1.01 | 562.11 | .38 | .01 | 5.53 | 4.25 | .38 | 1158.40 | 1390.00 | 2920.0 |
| 1088.00 | 560.72 | 0.00 | 561.06 | .35 | .00 | 13.79 | 7.11 | .35 | 2118.70 | 0.00 | 0.0 |
| 1088.00 | 561.72 | 1.00 | 562.12 | .40 | .00 | 13.54 | 7.29 | .40 | 1490.00 | 1390.00 | 2880.0 |
| 1138.00 | 560.67 | 0.00 | 561.21 | .53 | .07 | 13.01 | 8.97 | .53 | 2117.04 | 0.00 | 0.0 |
| 1138.00 | 561.69 | 1.02 | 562.25 | .56 | .07 | 13.10 | 8.95 | .56 | 1490.00 | 1420.00 | 2910.0 |
| 5750.00 | 568.37 | 0.00 | 572.59 | 4.22 | 9.91 | 42.03 | 17.10 | 4.22 | 418.47 | 0.00 | 0.0 |
| 5750.00 | 569.14 | .77 | 573.95 | 4.81 | 10.00 | 42.55 | 17.65 | 4.81 | 150.00 | 670.00 | 820.0 |
| 8007.00 | 575.95 | 0.00 | 577.40 | 1.45 | 4.26 | 10.66 | 10.71 | 1.45 | 813.36 | 0.00 | 0.0 |
| 8007.00 | 577.19 | 1.24 | 578.54 | 1.35 | 3.90 | 9.30 | 10.30 | 1.35 | 500.00 | 540.00 | 1040.0 |
| 8057.00 | 576.59 | 0.00 | 577.54 | .96 | .05 | 7.96 | 8.34 | .96 | 831.37 | 0.00 | 0.0 |
| 8057.00 | 577.77 | 1.18 | 578.67 | .90 | .04 | 6.93 | 8.04 | .90 | 500.00 | 540.00 | 1040.0 |
| 8067.00 | 576.93 | 0.00 | 577.60 | .67 | .00 | 18.89 | 6.61 | .67 | 896.70 | 0.00 | 0.0 |
| 8067.00 | 578.04 | 1.11 | 578.72 | .68 | .00 | 15.46 | 6.20 | .68 | 650.00 | 500.00 | 1150.0 |
| 8092.00 | 576.98 | 0.00 | 577.65 | .67 | .05 | 18.54 | 6.56 | .67 | 898.70 | 0.00 | 0.0 |
| 8092.00 | 578.08 | 1.10 | 578.76 | .67 | .04 | 15.31 | 6.18 | .67 | 650.00 | 500.00 | 1150.0 |
| 8093.00 | 576.85 | 0.00 | 577.74 | .89 | .00 | 9.34 | 8.09 | .89 | 839.07 | 0.00 | 0.0 |
| 8093.00 | 577.98 | 1.12 | 578.83 | .86 | .00 | 8.30 | 7.87 | .86 | 500.00 | 550.00 | 1050.0 |
| 8143.00 | 576.71 | 0.00 | 577.92 | 1.21 | .05 | 11.29 | 9.98 | 1.21 | 835.34 | 0.00 | 0.0 |
| 8143.00 | 577.85 | 1.14 | 578.99 | 1.14 | .05 | 9.97 | 9.63 | 1.14 | 550.00 | 530.00 | 1080.0 |

CONSULT ENGINEER © JOHN DEERE CORP. ILL. U.S.A.
 OPERATOR MANUAL P20 5-78 1000 1000 1000 1000

INTERACTIVE HEC2 VERSION UPDATED FEB 1976

ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09

MODIFICATIONS 50,51,52,53,54,55,56,57,58

F-W 3/18

T1 FPM/BR MADISON-MAYODAN NC FIS
T2 100 YR NATURAL
T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NC

J1 ICHECK INO NINV IDIR STRT METRIC HVINS 0 WSEL FQ

-1. 4. -0. -0. -0.000000 -0.000 -0.0 -0. 558.800 -0.000

J2 NPROF IPILOT PRFVS 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 -15.000

J3 -2.000 200.000 38.000 1.000 50.000 3.000 10.000 11.000 5.000 26.000
J3 10.000 4.000 27.000 28.000 ~~53.000~~ 54.000 -0.000 -0.000 -0.000 -0.000
ET -0.000 -0.000 -0.000 -0.000 -0.000 10.400 0.000 -0.000 -0.000 -0.000
OT -0.000 21400.000 41000.000 52000.000 89000.000 52000.000 52000.000 52000.000 -0.000 -0.000
NC .110 .110 .040 .200 .400 -0.000 -0.000 -0.000 -0.000 -0.000

X1 1.000 38.000 1418.000 1542.000 0.000 0.000 0.000 0.000 -1.400 -0.000
GR 592.800 0.000 584.600 100.000 580.700 200.000 571.000 300.000 566.900 400.000
GR 567.100 500.000 563.500 600.000 563.000 700.000 563.400 800.000 567.900 900.000
GR 568.000 1000.000 563.000 1100.000 557.100 1200.000 556.200 1300.000 553.100 1418.000
GR 539.100 1448.000 537.600 1469.000 535.100 1489.000 536.600 1503.000 556.600 1542.000
GR 556.100 1589.000 556.600 1700.000 553.800 1800.000 552.500 1900.000 551.800 2000.000
GR 551.700 2100.000 549.400 2200.000 549.600 2300.000 550.100 2400.000 550.300 2500.000
GR 550.900 2600.000 551.300 2700.000 551.400 2800.000 550.900 2900.000 550.200 3000.000
GR 555.400 3100.000 557.000 3200.000 570.000 3400.000 -0.000 -0.000 -0.000 -0.000

X1 50.000 0.000 -0.000 -0.000 50.000 50.000 50.000 -0.000 -0.000 -0.000

X1 100.000 0.000 -0.000 -0.000 50.000 50.000 50.000 -0.000 -0.000 -0.000

X1 150.000 0.000 -0.000 -0.000 50.000 50.000 50.000 -0.000 -0.000 -0.000

X1 200.000 0.000 -0.000 -0.000 50.000 50.000 50.000 -0.000 -0.000 -0.000

X1 1010.000 0.000 -0.000 -0.000 810.000 810.000 810.000 -0.000 -0.000 -0.000

X1 1060.000 38.000 1389.000 1623.000 50.000 50.000 50.000 0.000 -0.000 -0.000
GR 592.800 0.000 584.600 100.000 580.700 200.000 571.000 300.000 566.900 400.000
GR 567.100 500.000 563.500 600.000 563.000 700.000 563.400 800.000 567.900 900.000
GR 568.000 1000.000 563.000 1100.000 557.100 1200.000 554.500 1389.000 553.100 1418.000
GR 539.100 1448.000 537.600 1469.000 535.100 1489.000 536.600 1503.000 556.600 1542.000
GR 556.500 1623.000 556.600 1700.000 553.800 1800.000 552.500 1900.000 551.800 2000.000
GR 551.700 2100.000 549.400 2200.000 549.600 2300.000 550.100 2400.000 550.300 2500.000
GR 550.900 2600.000 551.300 2700.000 551.400 2800.000 550.900 2900.000 550.200 3000.000
GR 555.400 3100.000 557.000 3200.000 570.000 3400.000 -0.000 -0.000 -0.000 -0.000
NC .030 .030 .030 .200 .400 -0.000 -0.000 -0.000 -0.000 -0.000

X1 1061.000 46.000 1389.000 1623.000 1.000 1.000 1.000 -0.000 -0.000 -0.000

BT 19.000 0.000 595.800 564.300 400.000 572.300 564.300 500.000 568.900 564.300

BT 600.000 566.400 564.300 700.000 565.200 564.300 900.000 566.300 564.300 1389.000

BT 566.900 564.300 1623.000 566.900 564.300 1800.000 565.900 564.300 1900.000 564.100

BT 558.800 566.400 564.300 566.900 564.300 566.900 564.300 564.300 564.300 564.300

| | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|
| GR | 548.000 | 770.000 | 570.700 | 771.000 | 570.700 | 772.000 | 559.500 | 773.000 | 570.700 | 813.000 |
| GR | 570.700 | 814.000 | 570.700 | 815.000 | 557.000 | 816.000 | 559.500 | 839.000 | 570.700 | 848.000 |
| GR | 570.700 | 900.000 | 570.600 | 1000.000 | 571.300 | 1100.000 | 573.100 | 1200.000 | 578.000 | 1300.000 |
| GR | 584.600 | 1400.000 | 592.500 | 1500.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8092.000 | -0.000 | -0.000 | -0.000 | 25.000 | 25.000 | 25.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8093.000 | 23.000 | 600.000 | 840.000 | 1.000 | -1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 570.800 | 570.800 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 564.500 | 600.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 559.500 | 840.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 574.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 8143.000 | 23.000 | 674.000 | 818.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 616.000 | 0.000 | 613.500 | 100.000 | 604.300 | 200.000 | 594.100 | 300.000 | 578.900 | 400.000 |
| GR | 571.600 | 500.000 | 559.000 | 674.000 | 551.000 | 685.000 | 546.000 | 700.000 | 547.000 | 720.000 |
| GR | 546.000 | 740.000 | 548.000 | 760.000 | 548.000 | 780.000 | 549.500 | 800.000 | 557.000 | 818.000 |
| GR | 564.400 | 900.000 | 570.700 | 1000.000 | 571.300 | 1100.000 | 572.400 | 1200.000 | 579.000 | 1300.000 |
| GR | 597.100 | 1400.000 | 592.800 | 1500.000 | 604.100 | 1600.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 9443.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | 7.700 | -0.000 |
| X1 | 10743.000 | -0.000 | -0.000 | -0.000 | 1300.000 | 1300.000 | 1300.000 | -0.000 | 9.600 | -0.000 |
| X1 | 12230.000 | 34.000 | 230.000 | 730.000 | 1487.000 | 1487.000 | 1487.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 229.000 |
| GR | 588.400 | 230.000 | 576.900 | 250.000 | 576.700 | 270.000 | 576.500 | 290.000 | 576.900 | 310.000 |
| GR | 576.800 | 330.000 | 576.300 | 350.000 | 576.500 | 370.000 | 576.400 | 390.000 | 577.000 | 410.000 |
| GR | 576.600 | 430.000 | 576.800 | 450.000 | 576.900 | 470.000 | 576.600 | 490.000 | 576.300 | 510.000 |
| GR | 575.900 | 530.000 | 575.600 | 550.000 | 575.800 | 570.000 | 576.000 | 590.000 | 575.300 | 610.000 |
| GR | 575.700 | 630.000 | 576.900 | 650.000 | 576.400 | 670.000 | 575.700 | 690.000 | 575.100 | 710.000 |
| GR | 587.700 | 730.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| X1 | 12240.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12250.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| X1 | 12270.000 | -0.000 | -0.000 | -0.000 | 20.000 | 20.000 | 20.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12280.000 | 9.000 | 230.000 | 434.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 588.400 | 230.000 |
| GR | 588.400 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12290.000 | -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 | 9.100 | -0.000 | -0.000 | 210.000 | 700.000 |
| X1 | 12300.000 | -0.000 | -0.000 | -0.000 | 10.000 | 10.000 | 10.000 | -0.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12305.000 | 19.000 | 230.000 | 434.000 | 5.000 | 5.000 | 5.000 | -0.000 | -0.000 | -0.000 |
| GR | 660.000 | 0.000 | 640.000 | 50.000 | 620.000 | 140.000 | 600.000 | 200.000 | 587.600 | 230.000 |
| GR | 583.900 | 250.000 | 582.000 | 270.000 | 581.500 | 290.000 | 581.000 | 310.000 | 581.200 | 330.000 |
| GR | 580.400 | 350.000 | 580.600 | 370.000 | 581.300 | 390.000 | 582.100 | 410.000 | 584.100 | 414.000 |
| GR | 587.000 | 434.000 | 600.000 | 880.000 | 620.000 | 1030.000 | 640.000 | 1480.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12320.000 | -0.000 | -0.000 | -0.000 | 15.000 | 15.000 | 15.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |

CONFIDENTIAL INFORMATION - NOT TO BE DISCLOSED TO THE PUBLIC
 CONFIDENTIAL INFORMATION - NOT TO BE DISCLOSED TO THE PUBLIC

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |
| X1 | 21230.000 | 35.000 | 350.000 | 860.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 344.000 | 630.000 | 346.000 | 630.000 | 348.000 |
| GR | 629.200 | 350.000 | 604.200 | 370.000 | 603.700 | 390.000 | 603.500 | 410.000 | 603.200 | 430.000 |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 |
| GR | 603.800 | 550.000 | 602.700 | 577.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.100 | 710.000 | 604.800 | 730.000 |
| GR | 605.400 | 750.000 | 604.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 |
| GR | 604.700 | 850.000 | 630.600 | 860.000 | 640.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

CONTRACTS ENTERPRISES & LOGIC SYSTEMS, INC.
 CONTRACTS ENTERPRISES & LOGIC SYSTEMS, INC.
 CONTRACTS ENTERPRISES & LOGIC SYSTEMS, INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR-CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 METHOD 4 FLOODWAY (1.0 FT INCREASE)
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

J1 ICHECK INO NINV IDIR STRT METRIC HVINS Q WSEL FQ
 -10. 6. -0. -0. -0.00000 -0.00 -0.0 -0. 559.800 -0.000
 J2 NPROF I PLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 2

CCHV= .200 CEHV= .400
 *SECNO 1.000
 2800 NAT 01= 13382.02 WSEL= 558.80 ENC 01= 13382.02 WSEL= 559.80 RATIO= .0000
 NAT 01= 15617. RATIOS LOB,CH,ROB= .0362 .3819 .5819 WSEL= 559.80

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | LOSS | BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

3470 ENCROACHMENT STATIONS= 1418.0 2856.2 TYPE= 4 TARGET= .143
 1.00 26.10 559.80 0.00 558.80 560.48 .68 0.00 0.00 551.70
 52000. 0. 22677. 29323. 0. 2354. 12105. 0. 0. 555.20
 0.00 0.00 9.63 2.42 .110 .040 .110 0.000 533.70 1418.00
 .001565 0. 0. 0. 0. 0 0 1 0.00 1438.16 2856.16

*SECNO 50.000
 2800 NAT 01= 13561.42 WSEL= 558.89 ENC 01= 13561.42 WSEL= 559.89 RATIO= 0.0000
 NAT 01= 15833. RATIOS LOB,CH,ROB= .0367 .3797 .5835 WSEL= 559.89

3470 ENCROACHMENT STATIONS= 1418.0 2857.8 TYPE= 4 TARGET= .143
 50.00 26.20 559.90 0.00 558.89 560.56 .66 .08 .00 551.70
 52000. 0. 22545. 29455. 0. 2366. 12251. 17. 2. 555.20
 .00 0.00 9.53 2.40 .110 .040 .110 .039 533.70 1418.00
 .001522 50. 50. 50. 2 0 1 0.00 1439.82 2857.82

*SECNO 100.000
 2800 NAT 01= 13506.36 WSEL= 558.96 ENC 01= 13506.36 WSEL= 559.96 RATIO= .0000
 NAT 01= 15765. RATIOS LOB,CH,ROB= .0366 .3804 .5830 WSEL= 559.96

3470 ENCROACHMENT STATIONS= 1418.0 2857.5 TYPE= 4 TARGET= .143
 100.00 26.17 559.97 0.00 558.96 560.64 .67 .08 .00 551.80
 52000. 0. 22583. 29417. 0. 2363. 12208. 33. 3. 555.30
 .01 0.00 9.56 2.41 .110 .040 .110 .039 533.80 1418.00
 .001535 50. 50. 50. 2 0 1 0.00 1439.47 2857.47

COMPILATION BY: JAMES R. HARRIS, JR.
 DATE: 11/18/76

FLOODWAY DATA, MAYO RIVER VICINITY OF M
PROFILE NO. 2

| STATION | FLOODWAY | | MEAN VELOCITY | WATER SURFACE ELEVATION | | DIFFERENCE |
|-----------|------------|--------------|---------------|-------------------------|------------------|------------|
| | WIDTH (FT) | SECTION AREA | | WITH FLOODWAY | WITHOUT FLOODWAY | |
| 1.000 | 1438. | 14459. | 3.6 | 559.8 | 558.8 | 1.0 |
| 50.000 | 1440. | 14617. | 3.6 | 559.9 | 558.9 | 1.0 |
| 100.000 | 1439. | 14571. | 3.6 | 560.0 | 559.0 | 1.0 |
| 150.000 | 1446. | 14795. | 3.5 | 560.1 | 559.1 | 1.0 |
| 200.000 | 1442. | 14543. | 3.6 | 560.1 | 559.1 | 1.0 |
| 1010.000 | 1445. | 14817. | 3.5 | 561.4 | 560.3 | 1.1 |
| 1060.000 | 1450. | 15233. | 3.4 | 561.7 | 560.7 | 1.0 |
| 1061.000 | 1136. | 10421. | 5.0 | 561.8 | 560.7 | 1.1 |
| 1087.000 | 1138. | 10459. | 5.0 | 561.8 | 560.7 | 1.1 |
| 1088.000 | 1454. | 15331. | 3.4 | 561.8 | 560.7 | 1.0 |
| 1138.000 | 1462. | 15478. | 3.4 | 561.7 | 560.7 | 1.1 |
| 5750.000 | 144. | 2982. | 17.4 | 569.5 | 568.4 | 1.1 |
| 8007.000 | 388. | 7661. | 6.8 | 577.5 | 576.0 | 1.5 |
| 8057.000 | 347. | 7423. | 7.0 | 578.0 | 576.6 | 1.4 |
| 8067.000 | 555. | 7463. | 7.0 | 578.3 | 576.9 | 1.4 |
| 8092.000 | 558. | 7504. | 6.9 | 578.3 | 577.0 | 1.4 |
| 8093.000 | 369. | 7731. | 6.7 | 578.2 | 576.9 | 1.4 |
| 8143.000 | 428. | 8300. | 6.3 | 578.1 | 576.7 | 1.4 |
| 9443.000 | 202. | 3962. | 13.1 | 579.1 | 578.0 | 1.1 |
| 10743.000 | 144. | 2588. | 20.1 | 584.1 | 583.3 | .8 |
| 12230.000 | 500. | 8478. | 6.1 | 593.7 | 592.8 | 1.0 |
| 12240.000 | 500. | 8482. | 6.1 | 593.8 | 592.8 | 1.0 |
| 12250.000 | 500. | 8486. | 6.1 | 593.8 | 592.8 | .9 |
| 12270.000 | 500. | 8495. | 6.1 | 593.8 | 592.8 | .9 |
| 12280.000 | 490. | 3612. | 14.4 | 596.2 | 596.3 | -.1 |
| 12290.000 | 490. | 4187. | 12.4 | 597.3 | 597.6 | -.2 |
| 12300.000 | 490. | 4270. | 12.2 | 597.5 | 597.7 | -.2 |
| 12305.000 | 490. | 4338. | 12.0 | 597.6 | 597.8 | -.2 |

CONTRACT ENGINEER: MOORE ENGINEERING CO., INC.
 CONSULTING ENGINEER: MOORE ENGINEERING CO., INC.
 CONTRACTOR: HERRINGTON & MOORE ENGINEERING CO., INC.

SUMMARY PRINTOUT

MAYO RIVER VICINITY OF M

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K+S | VCH | HV | TOPWID | STENCL | STENCR |
|---------|--------|--------|--------|------|-------|-------|-------|------|---------|---------|--------|
| 1.00 | 558.80 | 0.00 | 559.41 | .61 | 0.00 | 15.10 | 9.50 | .61 | 2101.77 | 0.00 | 0.0 |
| 1.00 | 559.80 | 1.00 | 560.48 | .68 | 0.00 | 15.65 | 9.63 | .68 | 1438.16 | 1418.00 | 2856.1 |
| 50.00 | 558.89 | 0.00 | 559.49 | .60 | .07 | 14.70 | 9.40 | .60 | 2104.47 | 0.00 | 0.0 |
| 50.00 | 559.90 | 1.01 | 560.56 | .66 | .08 | 15.22 | 9.53 | .66 | 1439.82 | 1418.00 | 2857.8 |
| 100.00 | 558.96 | 0.00 | 559.57 | .60 | .07 | 14.82 | 9.43 | .60 | 2103.64 | 0.00 | 0.0 |
| 100.00 | 559.97 | 1.01 | 560.64 | .67 | .08 | 15.35 | 9.56 | .67 | 1439.47 | 1418.00 | 2857.4 |
| 150.00 | 559.06 | 0.00 | 559.64 | .58 | .07 | 14.36 | 9.31 | .58 | 2106.88 | 0.00 | 0.0 |
| 150.00 | 560.08 | 1.02 | 560.72 | .64 | .08 | 14.82 | 9.42 | .64 | 1446.36 | 1418.00 | 2864.3 |
| 200.00 | 559.12 | 0.00 | 559.73 | .61 | .07 | 14.98 | 9.47 | .61 | 2102.56 | 0.00 | 0.0 |
| 200.00 | 560.13 | 1.02 | 560.81 | .67 | .08 | 15.46 | 9.58 | .67 | 1441.53 | 1418.00 | 2859.5 |
| 1010.00 | 560.33 | 0.00 | 560.92 | .59 | 1.19 | 14.47 | 9.34 | .59 | 2106.08 | 0.00 | 0.0 |
| 1010.00 | 561.39 | 1.06 | 562.03 | .64 | 1.22 | 14.74 | 9.40 | .64 | 1445.07 | 1418.00 | 2863.0 |
| 1060.00 | 560.69 | 0.00 | 561.04 | .35 | .07 | 13.95 | 7.14 | .35 | 2117.61 | 0.00 | 0.0 |
| 1060.00 | 561.72 | 1.04 | 562.15 | .42 | .07 | 14.06 | 7.42 | .42 | 1450.37 | 1389.00 | 2839.3 |
| 1061.00 | 560.70 | 0.00 | 561.04 | .34 | .00 | 5.88 | 4.24 | .34 | 1420.15 | 0.00 | 0.0 |
| 1061.00 | 561.76 | 1.06 | 562.16 | .39 | .00 | 5.77 | 4.34 | .39 | 1135.99 | 1389.00 | 2896.2 |
| 1087.00 | 560.72 | 0.00 | 561.06 | .34 | .02 | 5.82 | 4.22 | .34 | 1421.42 | 0.00 | 0.0 |
| 1087.00 | 561.78 | 1.06 | 562.17 | .39 | .01 | 5.71 | 4.32 | .39 | 1138.44 | 1389.00 | 2898.0 |
| 1088.00 | 560.72 | 0.00 | 561.06 | .35 | .00 | 13.79 | 7.11 | .35 | 2118.70 | 0.00 | 0.0 |
| 1088.00 | 561.76 | 1.05 | 562.18 | .42 | .00 | 13.84 | 7.38 | .42 | 1454.05 | 1389.00 | 2843.0 |
| 1138.00 | 560.67 | 0.00 | 561.21 | .53 | .07 | 13.01 | 6.97 | .53 | 2117.04 | 0.00 | 0.0 |
| 1138.00 | 561.74 | 1.07 | 562.32 | .58 | .07 | 13.29 | 9.02 | .58 | 1462.16 | 1418.00 | 2880.1 |
| 5750.00 | 568.37 | 0.00 | 572.59 | 4.22 | 9.91 | 42.03 | 17.10 | 4.22 | 418.47 | 0.00 | 0.0 |
| 5750.00 | 569.50 | 1.13 | 574.22 | 4.72 | 10.25 | 44.46 | 17.44 | 4.72 | 144.00 | 674.00 | 818.0 |
| 8007.00 | 575.95 | 0.00 | 577.40 | 1.45 | 4.26 | 10.66 | 10.71 | 1.45 | 813.36 | 0.00 | 0.0 |
| 8007.00 | 577.45 | 1.50 | 578.88 | 1.43 | 4.00 | 9.46 | 10.46 | 1.43 | 388.02 | 579.18 | 967.2 |
| 8057.00 | 576.59 | 0.00 | 577.54 | .96 | .05 | 7.96 | 8.34 | .96 | 831.37 | 0.00 | 0.0 |
| 8057.00 | 578.01 | 1.42 | 579.01 | 1.00 | .04 | 7.79 | 8.28 | 1.00 | 346.75 | 600.00 | 946.7 |
| 8067.00 | 576.93 | 0.00 | 577.60 | .67 | .00 | 18.89 | 6.61 | .67 | 896.70 | 0.00 | 0.0 |
| 8067.00 | 578.29 | 1.36 | 579.06 | .77 | .00 | 17.08 | 6.57 | .77 | 555.35 | 546.28 | 1101.6 |
| 8092.00 | 576.98 | 0.00 | 577.65 | .67 | .05 | 18.54 | 6.56 | .67 | 898.70 | 0.00 | 0.0 |
| 8092.00 | 578.34 | 1.35 | 579.10 | .76 | .04 | 16.80 | 6.53 | .76 | 557.64 | 545.29 | 1102.9 |
| 8093.00 | 576.85 | 0.00 | 577.74 | .89 | .00 | 9.34 | 8.09 | .89 | 839.07 | 0.00 | 0.0 |
| 8093.00 | 578.24 | 1.38 | 579.17 | .93 | .00 | 9.25 | 8.07 | .93 | 368.66 | 600.00 | 968.6 |
| 8143.00 | 576.71 | 0.00 | 577.92 | 1.21 | .05 | 11.29 | 9.98 | 1.21 | 835.34 | 0.00 | 0.0 |
| 8143.00 | 578.12 | 1.41 | 579.33 | 1.21 | .05 | 10.21 | 9.81 | 1.21 | 427.70 | 566.71 | 994.4 |

CONSTRUCTION & SURVEYING
 CONSULTANTS & ENGINEERS
 1000 W. 10th Street, Suite 100
 Fort Worth, Texas 76102

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K*S | VCH | HV | TOPWID | STENCL | STENCR |
|----------|--------|--------|--------|------|-------|-------|-------|------|--------|--------|--------|
| 9443.00 | 577.97 | 0.00 | 581.11 | 3.14 | 2.42 | 36.22 | 15.01 | 3.14 | 474.92 | 0.00 | 0.0 |
| 9443.00 | 579.06 | 1.09 | 582.40 | 3.34 | 2.22 | 34.25 | 15.08 | 3.34 | 201.89 | 655.07 | 856.9 |
| 10743.00 | 583.26 | 0.00 | 589.15 | 5.89 | 6.94 | 86.38 | 19.96 | 5.89 | 347.11 | 0.00 | 0.0 |
| 10743.00 | 584.06 | .80 | 590.33 | 6.27 | 6.76 | 88.13 | 20.09 | 6.27 | 144.00 | 674.00 | 818.0 |
| 12230.00 | 592.79 | 0.00 | 593.44 | .65 | 3.24 | 9.73 | 6.48 | .65 | 573.99 | 0.00 | 0.0 |
| 12230.00 | 593.74 | .95 | 594.33 | .58 | 2.86 | 8.18 | 6.13 | .58 | 500.00 | 230.00 | 730.0 |
| 12240.00 | 592.80 | 0.00 | 593.45 | .65 | .01 | 9.70 | 6.48 | .65 | 574.18 | 0.00 | 0.0 |
| 12240.00 | 593.75 | .95 | 594.33 | .58 | .01 | 8.16 | 6.13 | .58 | 500.00 | 230.00 | 730.0 |
| 12250.00 | 592.81 | 0.00 | 593.46 | .65 | .01 | 9.68 | 6.47 | .65 | 574.32 | 0.00 | 0.0 |
| 12250.00 | 593.76 | .95 | 594.34 | .58 | .01 | 8.15 | 6.13 | .58 | 500.00 | 230.00 | 730.0 |
| 12270.00 | 592.83 | 0.00 | 593.48 | .65 | .02 | 9.64 | 6.46 | .65 | 574.60 | 0.00 | 0.0 |
| 12270.00 | 593.78 | .95 | 594.36 | .58 | .02 | 8.12 | 6.12 | .58 | 500.00 | 230.00 | 730.0 |
| 12280.00 | 596.28 | 0.00 | 599.76 | 3.48 | .02 | 54.48 | 16.84 | 3.48 | 549.89 | 0.00 | 0.0 |
| 12280.00 | 596.16 | -.13 | 599.68 | 3.52 | .02 | 54.47 | 16.69 | 3.52 | 490.00 | 210.00 | 700.0 |
| 12290.00 | 597.55 | 0.00 | 600.00 | 2.45 | .04 | 33.48 | 14.30 | 2.45 | 594.02 | 0.00 | 0.0 |
| 12290.00 | 597.34 | -.21 | 599.91 | 2.57 | .04 | 33.97 | 14.22 | 2.57 | 490.00 | 210.00 | 700.0 |
| 12300.00 | 597.71 | 0.00 | 600.06 | 2.35 | .03 | 31.45 | 14.00 | 2.35 | 600.02 | 0.00 | 0.0 |
| 12300.00 | 597.50 | -.21 | 599.96 | 2.46 | .03 | 31.89 | 13.92 | 2.46 | 490.00 | 210.00 | 700.0 |
| 12305.00 | 597.13 | 0.00 | 600.48 | 3.34 | .02 | 47.42 | 15.43 | 3.34 | 575.02 | 0.00 | 0.0 |
| 12305.00 | 596.91 | .22 | 600.39 | 3.48 | .02 | 53.10 | 15.69 | 3.48 | 400.00 | 230.00 | 630.0 |
| 12320.00 | 597.35 | 0.00 | 600.57 | 3.22 | .07 | 45.00 | 15.17 | 3.22 | 582.64 | 0.00 | 0.0 |
| 12320.00 | 597.15 | -.20 | 600.49 | 3.34 | .08 | 50.22 | 15.41 | 3.34 | 400.00 | 230.00 | 630.0 |
| 12370.00 | 597.94 | 0.00 | 600.84 | 2.90 | .21 | 38.84 | 14.46 | 2.90 | 604.56 | 0.00 | 0.0 |
| 12370.00 | 597.78 | -.16 | 600.79 | 3.01 | .23 | 43.19 | 14.67 | 3.01 | 400.00 | 230.00 | 630.0 |
| 12420.00 | 598.36 | 0.00 | 601.07 | 2.70 | .18 | 35.12 | 14.00 | 2.70 | 619.99 | 0.00 | 0.0 |
| 12420.00 | 598.23 | -.13 | 601.04 | 2.80 | .21 | 39.04 | 14.19 | 2.80 | 400.00 | 230.00 | 630.0 |
| 12520.00 | 599.03 | 0.00 | 601.45 | 2.42 | .32 | 30.07 | 13.31 | 2.42 | 644.46 | 0.00 | 0.0 |
| 12520.00 | 598.94 | -.09 | 601.45 | 2.52 | .36 | 33.47 | 13.49 | 2.52 | 400.00 | 230.00 | 630.0 |
| 21230.00 | 617.56 | 0.00 | 618.47 | .90 | 16.71 | 13.30 | 7.62 | .90 | 495.66 | 0.00 | 0.0 |
| 21230.00 | 617.79 | .22 | 618.66 | .87 | 16.88 | 12.62 | 7.50 | .87 | 495.92 | 350.00 | 860.0 |

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SUMMARY PRINTOUT

MAYO RIVER VICINITY OF M

ENDST

3249.23
2856.16

3250.51
2857.82

3250.12
2857.47

3251.66
2864.36

3249.60
2859.53

3251.28
2853.07

3256.77
2839.37

3215.17
2896.28

3215.69
2898.09

3257.28
2843.05

3256.49
2880.16

963.05
818.00

1253.78
967.20

1263.47
946.75

1278.17
1101.63

1279.28
1102.93

1267.49
968.66

1265.32
994.41

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CONTINUED FROM PAGE 1000

ENDST
993.23
856.96

924.89
818.00

792.02
730.00

792.18
730.00

792.30
730.00

792.54
730.00

758.09
700.00

799.44
700.00

805.06
700.00

781.93
630.00

789.05
630.00

809.53
630.00

823.94
630.00

846.80
630.00

854.97
855.05

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED
POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

CONCRETE REINFORCEMENT & STRUCTURAL STEEL
CORPORATION
10000 WILSON AVENUE
DALLAS, TEXAS 75243
TEL: 214-343-1111
FAX: 214-343-1112


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10.00.40. MARWD30. # 76/03/18. 7600Z BKY17C V1 MAR12 NORM 803660 FPMS RR
10.00.40. MARWD30. #MAR12,P3,T60,CM160000,803660,FPMS BR
10.00.40. MARWD30. #INPUT-6600B-09,56,17,18-MAR-76-VIA COKE
10.00.40. MARWD30. COPY(INPUT,1K,CONTROL/BR)
10.00.41. MARWD30. CONTROL DISK 2
10.00.41. MARWD30. FETCHPS,HECL18,HEC2Z,HEC2Z.
10.00.42. MARWD30. HEC2Z DISK 2
10.00.43. MARWD30. HEC2Z 20315 WORDS COPIED FROM CACHE.
10.00.43. MARWD30. HEC2Z LCM-BUFFER UNLOADED
10.00.43. MARWD30. CACHE22 RETURNED
10.00.43. MARWD30. HEC2Z.
10.00.43. MARWD30. HEC2Z LCM-BUFFER UNLOADED
10.00.43. MARWD30. ZZZZZLS DISK 2
10.00.43. MARWD30. ZZZZZLS RETURNED
10.00.44. MARWD30. HEC2Z LCM-BUFFER UNLOADED
10.00.44. MARWD30. LOAD COMPLETE, LINK 7H.
10.00.44. MARWD30. TIME--- 7 MSEC.
10.00.44. MARWD30. MEMORY-LOAD 56600, EXECUTE 60000, LCM 267000
10.00.44. MARWD30. FLS=160K FLL=0267K LCM-BUFFERS=0014K TOTAL-LCM=0463K
10.00.44. MARWD30. FTN4.4 FORTRAN LIBRARY PSR401BKY-01-10/10-12,45.54
10.00.44. MARWD30. OUTPUT DISK 2
10.00.44. MARWD30. TAPE91 DISK 2
10.00.44. MARWD30. TAPE95 DISK 2
10.00.44. MARWD30. TAPE93 DISK 2
10.00.45. MARWD30. TAPE96 DISK 2
10.00.56. MARWD30. STOP
10.00.56. MARWD30. ,832 CP SECONDS EXECUTION TIME
10.00.56. MARWD30. EXIT.
10.00.56. MARWD30. SKIP PAST FIN. CARD
10.00.56. MARWD30. FIN CARD FOUND.
10.00.56. MARWD30. COPY,TAPE96/RR,OUTPUT.
10.06.33. MARWD30. # J CR0956P 803660 76/03/18 Z-N 000007 FPMS RR
10.06.33. MARWD30.
10.06.33. MARWD30. # SECTORS TRANSFERRED 376
10.06.33. MARWD30. # MAX DISK SECTORS 880
10.06.33. MARWD30. # CP SECONDS 0,864
10.06.33. MARWD30. # LCM BUFFER LOADS 5
10.06.33. MARWD30. # I/O CUS 0
10.06.33. MARWD30. # STAGING CUS 0
10.06.33. MARWD30.
10.06.33. MARWD30. # TOTAL JOB CUS 7
10.06.33. MARWD30. # ESTIMATED COST $ 1.19
10.06.33. MARWD30.
10.06.56. MARWD30. OUTPUT QUEUED PR 158

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CONFIDENTIAL INFORMATION - SOURCE MATERIAL FROM THE U.S. GOVERNMENT

 INTERACTIVE HEC2 VERSION Updated FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

F-w Table
3/13/76

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | IND | NINV | IDIR | STRT | METRIC | HVINS | D | WSEL | FQ |
|----|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| | -1. | 4. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 558.800 | -0.000 |
| J2 | NPROF | IPLDT | PRFVS | XSECV | XSECH | FN | ALLDC | IRW | CHNIM | ITRACE |
| | 1.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 15.000 |
| J3 | -2.000 | 200.000 | 38.000 | 1.000 | 50.000 | 3.000 | 10.000 | 11.000 | 5.000 | 26.000 |
| J3 | 10.000 | 4.000 | 27.000 | 28.000 | -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 | 9.400 | -0.000 | -0.000 | -0.000 |
| QT | -0.000 | 21400.000 | 41000.000 | 52000.000 | 89000.000 | 52000.000 | 52000.000 | 52000.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1.000 | 38.000 | 1418.000 | 1542.000 | 0.000 | 0.000 | 0.000 | -0.000 | -1.400 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 50.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| X1 | 100.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .100 | -0.000 |
| X1 | 150.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| X1 | 200.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | -0.000 | .200 | -0.000 |
| X1 | 1010.000 | 0.000 | -0.000 | -0.000 | 810.000 | 810.000 | 810.000 | -0.000 | 1.100 | -0.000 |
| X1 | 1060.000 | 38.000 | 1389.000 | 1623.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 600.000 | 563.000 | 700.000 | 563.400 | 800.000 | 567.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1061.000 | 46.000 | 1389.000 | 1623.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| BT | 19.000 | 0.000 | 595.800 | 564.300 | 400.000 | 572.300 | 564.300 | 500.000 | 568.900 | 564.300 |
| BT | 600.000 | 566.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 |
| BT | 566.900 | 564.300 | 1623.000 | 566.900 | 564.300 | 1800.000 | 565.900 | 564.300 | 1900.000 | 564.100 |
| BT | 550.000 | 2000.000 | 561.300 | 550.000 | 2100.000 | 557.800 | 550.000 | 2200.000 | 554.200 | 550.000 |

CONTRACT INFORMATION & BOOKS AVAILABLE FROM THE
 CONTRACT INFORMATION & BOOKS AVAILABLE FROM THE

| | | | | | | | | | | |
|----|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|
| GR | 548,000 | 770,000 | 570,700 | 771,000 | 570,700 | 772,000 | 548,000 | 773,000 | 557,000 | 813,000 |
| GR | 570,700 | 814,000 | 570,700 | 815,000 | 557,000 | 816,000 | 559,500 | 839,000 | 570,700 | 840,000 |
| GR | 570,700 | 900,000 | 570,600 | 1000,000 | 571,300 | 1100,000 | 573,100 | 1200,000 | 572,000 | 1300,000 |
| GR | 584,600 | 1400,000 | 592,500 | 1500,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| X1 | 8092,000 | -0,000 | -0,000 | -0,000 | 25,000 | 25,000 | 25,000 | -0,000 | -0,000 | -0,000 |
| X2 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 1,000 | -0,000 | -0,000 | -0,000 |
| NC | .110 | .110 | .045 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| X1 | 8093,000 | 23,000 | 600,000 | 840,000 | 1,000 | 1,000 | 1,000 | -0,000 | -0,000 | -0,000 |
| X3 | 10,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 570,800 | 570,800 | -0,000 |
| GR | 616,000 | 0,000 | 613,500 | 100,000 | 604,300 | 200,000 | 594,100 | 300,000 | 578,900 | 400,000 |
| GR | 564,500 | 600,000 | 559,000 | 674,000 | 551,000 | 685,000 | 546,000 | 700,000 | 547,000 | 720,000 |
| GR | 546,000 | 740,000 | 548,000 | 760,000 | 548,000 | 780,000 | 549,500 | 800,000 | 557,000 | 818,000 |
| GR | 559,500 | 840,000 | 570,700 | 1000,000 | 571,300 | 1100,000 | 572,400 | 1200,000 | 579,000 | 1300,000 |
| GR | 597,100 | 1400,000 | 592,800 | 1500,000 | 604,100 | 1600,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| X1 | 8143,000 | 23,000 | 674,000 | 818,000 | 50,000 | 50,000 | 50,000 | -0,000 | -0,000 | -0,000 |
| GR | 616,000 | 0,000 | 613,500 | 100,000 | 604,300 | 200,000 | 594,100 | 300,000 | 578,900 | 400,000 |
| GR | 571,600 | 500,000 | 559,000 | 674,000 | 551,000 | 685,000 | 546,000 | 700,000 | 547,000 | 720,000 |
| GR | 546,000 | 740,000 | 548,000 | 760,000 | 548,000 | 780,000 | 549,500 | 800,000 | 557,000 | 818,000 |
| GR | 564,400 | 900,000 | 570,700 | 1000,000 | 571,300 | 1100,000 | 572,400 | 1200,000 | 579,000 | 1300,000 |
| GR | 597,100 | 1400,000 | 592,800 | 1500,000 | 604,100 | 1600,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| X1 | 9443,000 | -0,000 | -0,000 | -0,000 | 1300,000 | 1300,000 | 1300,000 | -0,000 | 7,700 | -0,000 |
| X1 | 10743,000 | -0,000 | -0,000 | -0,000 | 1300,000 | 1300,000 | 1300,000 | -0,000 | 9,600 | -0,000 |
| X1 | 12230,000 | 34,000 | 230,000 | 730,000 | 1487,000 | 1487,000 | 1487,000 | -0,000 | -0,000 | -0,000 |
| GR | 660,000 | 0,000 | 640,000 | 50,000 | 620,000 | 140,000 | 600,000 | 200,000 | 588,400 | 229,000 |
| GR | 588,400 | 230,000 | 576,900 | 250,000 | 576,700 | 270,000 | 576,500 | 290,000 | 576,900 | 310,000 |
| GR | 576,800 | 330,000 | 576,300 | 350,000 | 576,500 | 370,000 | 576,400 | 390,000 | 577,000 | 410,000 |
| GR | 576,600 | 430,000 | 576,800 | 450,000 | 576,900 | 470,000 | 576,600 | 490,000 | 576,300 | 510,000 |
| GR | 575,900 | 530,000 | 575,600 | 550,000 | 575,800 | 570,000 | 576,000 | 590,000 | 575,300 | 610,000 |
| GR | 575,700 | 630,000 | 576,900 | 650,000 | 576,400 | 670,000 | 575,700 | 690,000 | 575,100 | 710,000 |
| GR | 587,700 | 730,000 | 600,000 | 880,000 | 620,000 | 1030,000 | 640,000 | 1480,000 | -0,000 | -0,000 |
| X1 | 12240,000 | -0,000 | -0,000 | -0,000 | 10,000 | 10,000 | 10,000 | -0,000 | -0,000 | -0,000 |
| X1 | 12250,000 | -0,000 | -0,000 | -0,000 | 10,000 | 10,000 | 10,000 | -0,000 | -0,000 | -0,000 |
| X1 | 12270,000 | -0,000 | -0,000 | -0,000 | 20,000 | 20,000 | 20,000 | -0,000 | -0,000 | -0,000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12280,000 | 9,000 | 230,000 | 434,000 | 10,000 | 10,000 | 10,000 | -0,000 | -0,000 | -0,000 |
| GR | 660,000 | 0,000 | 640,000 | 50,000 | 620,000 | 140,000 | 600,000 | 200,000 | 588,400 | 230,000 |
| GR | 586,400 | 434,000 | 600,000 | 880,000 | 620,000 | 1030,000 | 640,000 | 1480,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12290,000 | -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 | 9,100 | -0,000 | -0,000 | 210,000 | 700,000 |
| X1 | 12300,000 | -0,000 | -0,000 | -0,000 | 10,000 | 10,000 | 10,000 | -0,000 | -0,000 | -0,000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 230,000 | 630,000 |
| X1 | 12305,000 | 19,000 | 230,000 | 434,000 | 5,000 | 5,000 | 5,000 | -0,000 | -0,000 | -0,000 |
| GR | 660,000 | 0,000 | 640,000 | 50,000 | 620,000 | 140,000 | 600,000 | 200,000 | 587,600 | 230,000 |
| GR | 583,900 | 250,000 | 582,000 | 270,000 | 581,500 | 290,000 | 581,000 | 310,000 | 581,200 | 330,000 |
| GR | 580,400 | 350,000 | 580,600 | 370,000 | 581,300 | 390,000 | 582,100 | 410,000 | 584,100 | 414,000 |
| GR | 587,000 | 434,000 | 600,000 | 880,000 | 620,000 | 1030,000 | 640,000 | 1480,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 230,000 | 630,000 |
| X1 | 12320,000 | -0,000 | -0,000 | -0,000 | 15,000 | 15,000 | 15,000 | -0,000 | -0,000 | -0,000 |
| ET | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | 9,100 | -0,000 | -0,000 | 230,000 | 630,000 |

CONTRACTS WITHIN 3 MOON RISES ROAD, INC.
 CONTRACTS WITHIN 3 MOON RISES ROAD, INC.

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |
| X1 | 21230.000 | 35.000 | 350.000 | 860.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 344.000 | 630.000 | 346.000 | 630.000 | 348.000 |
| GR | 629,200 | 350,000 | 604,200 | 370,000 | 603,700 | 390,000 | 603,500 | 410,000 | 603,200 | 430,000 |
| GR | 602,900 | 450,000 | 603,000 | 470,000 | 602,600 | 490,000 | 603,100 | 510,000 | 604,500 | 530,000 |
| GR | 603,800 | 550,000 | 602,700 | 577,000 | 604,200 | 590,000 | 603,400 | 610,000 | 603,000 | 630,000 |
| GR | 602,700 | 650,000 | 603,200 | 670,000 | 602,800 | 690,000 | 603,100 | 710,000 | 604,800 | 730,000 |
| GR | 605,400 | 750,000 | 604,600 | 770,000 | 604,000 | 790,000 | 603,200 | 810,000 | 603,800 | 830,000 |
| GR | 604,700 | 850,000 | 630,600 | 860,000 | 640,000 | 1010,000 | 660,000 | 1100,000 | 680,000 | 1710,000 |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 METHOD 4 FLOODWAY (1.0 FT INCREASE)
 T3 MAYO RIVER VACINITY OF MADISON-MAYODAN NC

| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|--------|-----|------|------|-----------|--------|-------|-----|---------|--------|
| | -10. | 6. | -0. | -0. | -0,000000 | -0,00 | -0,0 | -0. | 559,800 | -0,000 |

| J2 | NPROF | IPLT | PRFVS | XSECV | XSECH | FN | ALLDC | IRW | CHNIM | ITRACE |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 15,000 | -0,000 | -1,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 | -0,000 |

*PROF 2

CCHV= .200 GEHV= .400

*SECNO 1,000

2800 NAT Q1= 13382,02 WSEL= 558,80 ENC Q1= 13382,02 WSEL= 559,70 RATIO= .0000

NAT Q1= 15386, RATIOS LOB,CH,ROB= .0356 .3842 .5802 WSEL= 559,70

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | LOSS | BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|------------|
| 0 | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

3470 ENCROACHMENT STATIONS= 1418,0 2885,3 TYPE= 4 TARGET= .130
 1,00 26,10 559,80 0,00 558,80 560,45 .65 0,00 0,00 551,70
 52000, 0, 22359, 29641, 0, 2354, 12400, 0, 0, 555,20
 0,00 0,00 .50 2,39 .110 .040 .110 0,000 533,70 1418,00
 .001522 0, 0, 0, 0, 0 0 1 0,00 1467,25 2885,25

*SECNO 50,000

2800 NAT Q1= 13561,42 WSEL= 558,89 ENC Q1= 13561,42 WSEL= 559,79 RATIO= .0000

NAT Q1= 15600, RATIOS LOB,CH,ROB= .0362 .3820 .5818 WSEL= 559,79

3470 ENCROACHMENT STATIONS= 1418,0 2886,7 TYPE= 4 TARGET= .131
 50,00 26,19 559,89 0,00 558,89 560,53 .64 .08 .00 551,70
 52000, 0, 22234, 29766, 0, 2366, 12542, 17, 2, 555,20
 .00 0,00 9,40 2,37 .110 .040 .110 .039 533,70 1418,00
 .001481 50, 50, 50, 2 0 1 0,00 1468,67 2886,67

*SECNO 100,000

2800 NAT Q1= 13506,36 WSEL= 558,96 ENC Q1= 13506,36 WSEL= 559,86 RATIO= .0000

NAT Q1= 15533, RATIOS LOB,CH,ROB= .0360 .3827 .5813 WSEL= 559,86

3470 ENCROACHMENT STATIONS= 1418,0 2886,4 TYPE= 4 TARGET= .130
 100,00 26,17 559,97 0,00 558,96 560,61 .64 .07 .00 551,80
 52000, 0, 22270, 29730, 0, 2362, 12501, 34, 3, 555,30
 .01 0,00 9,43 2,38 .110 .040 .110 .039 533,80 1418,00
 .001493 50, 50, 50, 2 0 1 0,00 1468,40 2886,40

CONTINUED FROM PREVIOUS PAGE
 CONTINUED FROM PREVIOUS PAGE

FLOODWAY DATA, MAYO RIVER VACINITY OF M
 PROFILE NO. 2

| STATION | FLOODWAY | | MEAN VELOCITY | WATER SURFACE ELEVATION | | |
|-----------|---------------|-----------------|------------------|-------------------------|---------------------|------------|
| | WIDTH (FT) | SECTION AREA | | WITH FLOODWAY | WITHOUT FLOODWAY | DIFFERENCE |
| 1.000 | 1467, | 14754, | 3,5 | 559,8 | 558,8 | 1,0 |
| 50.000 | 1469, | 14908, | 3,5 | 559,9 | 558,9 | 1,0 |
| 100.000 | 1468, | 14863, | 3,5 | 560,0 | 559,0 | 1,0 |
| 150.000 | 1475, | 15078, | 3,4 | 560,1 | 559,1 | 1,0 |
| 200.000 | 1471, | 14823, | 3,5 | 560,1 | 559,1 | 1,0 |
| 1010.000 | 1474, | 15051, | 3,5 | 561,3 | 560,3 | 1,0 |
| 1060.000 | 1481, | 15478, | 3,4 | 561,7 | 560,7 | 1,0 |
| 1061.000 | 1151, | 10520, | 4,9 | 561,7 | 560,7 | 1,0 |
| 1087.000 | 1153, | 10558, | 4,9 | 561,7 | 560,7 | 1,0 |
| 1088.000 | 1484, | 15571, | 3,3 | 561,7 | 560,7 | 1,0 |
| 1138.000 | 1490, | 15702, | 3,3 | 561,7 | 560,7 | 1,0 |
| 5750.000 | 145, | 2982, | 17,4 | 569,4 | 568,4 | 1,0 |
| 8007.000 | 497, | 8528, | 6,1 | 577,4 | 576,0 | 1,4 |
| 8057.000 | 477, | 8597, | 6,0 | 577,9 | 576,6 | 1,3 |
| 8067.000 | 643, | 8002, | 6,5 | 578,2 | 576,9 | 1,3 |
| 8092.000 | 644, | 8035, | 6,5 | 578,3 | 577,0 | 1,3 |
| 8093.000 | 516, | 9043, | 5,8 | 578,2 | 576,9 | 1,3 |
| 8143.000 | 544, | 9191, | 5,7 | 578,0 | 576,7 | 1,3 |
| 9443.000 | 292, | 4768, | 10,9 | 579,1 | 578,0 | 1,1 |
| 10743.000 | 154, | 2585, | 20,1 | 583,4 | 583,3 | ,2 |
| 12230.000 | 500, | 8390, | 6,2 | 593,6 | 592,8 | ,8 |
| 12240.000 | 500, | 8395, | 6,2 | 593,6 | 592,8 | ,8 |
| 12250.000 | 500, | 8399, | 6,2 | 593,6 | 592,8 | ,8 |
| 12270.000 | 500, | 8408, | 6,2 | 593,6 | 592,8 | ,8 |
| 12280.000 | 490, | 3612, | 14,4 | 596,2 | 596,3 | -,1 |
| 12290.000 | 490, | 4188, | 12,4 | 597,3 | 597,6 | -,2 |
| 12300.000 | 490, | 4270, | 12,2 | 597,5 | 597,7 | -,2 |
| 12305.000 | 400, | 4378, | 11,9 | 596,9 | 597,1 | -,2 |

CONSULT ENGINEER'S REPORT

| | | | | | | |
|-----------|------|-------|------|-------|-------|-----|
| 12320.000 | 400. | 4470. | 11.6 | 597.1 | 597.3 | -.2 |
| 12370.000 | 400. | 4726. | 11.0 | 597.8 | 597.9 | -.2 |
| 12420.000 | 400. | 4904. | 10.6 | 598.2 | 598.4 | -.1 |
| 12520.000 | 400. | 5185. | 10.0 | 598.9 | 599.0 | -.1 |
| 21230.000 | 496. | 6933. | 7.5 | 617.8 | 617.6 | .2 |

SUMMARY PRINTOUT

MAYO RIVER VACINITY OF M-

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K+S | VCH | HV | TOPWID | STENCL | STENCR |
|---------|--------|--------|--------|------|-------|-------|-------|------|---------|---------|--------|
| 1.00 | 558.80 | 0.00 | 559.41 | .61 | 0.00 | 15.10 | 9.50 | .61 | 2101.77 | 0.00 | 0.0 |
| 1.00 | 559.80 | 1.00 | 560.45 | .65 | 0.00 | 15.22 | 9.50 | .65 | 1467.25 | 1418.00 | 2885.2 |
| 50.00 | 558.89 | 0.00 | 559.49 | .60 | .07 | 14.70 | 9.40 | .60 | 2104.47 | 0.00 | 0.0 |
| 50.00 | 559.89 | 1.00 | 560.53 | .64 | .08 | 14.81 | 9.40 | .64 | 1468.67 | 1418.00 | 2886.6 |
| 100.00 | 558.96 | 0.00 | 559.57 | .60 | .07 | 14.82 | 9.43 | .60 | 2103.64 | 0.00 | 0.0 |
| 100.00 | 559.97 | 1.00 | 560.61 | .64 | .07 | 14.93 | 9.43 | .64 | 1468.40 | 1418.00 | 2886.4 |
| 150.00 | 559.06 | 0.00 | 559.64 | .58 | .07 | 14.36 | 9.31 | .58 | 2106.88 | 0.00 | 0.0 |
| 150.00 | 560.07 | 1.01 | 560.69 | .62 | .07 | 14.44 | 9.30 | .62 | 1475.11 | 1418.00 | 2893.1 |
| 200.00 | 559.12 | 0.00 | 559.73 | .61 | .07 | 14.98 | 9.47 | .61 | 2102.56 | 0.00 | 0.0 |
| 200.00 | 560.12 | 1.01 | 560.77 | .65 | .07 | 15.07 | 9.46 | .65 | 1470.63 | 1418.00 | 2888.6 |
| 1010.00 | 560.33 | 0.00 | 560.92 | .59 | 1.19 | 14.47 | 9.34 | .59 | 2106.08 | 0.00 | 0.0 |
| 1010.00 | 561.35 | 1.02 | 561.97 | .62 | 1.20 | 14.50 | 9.32 | .62 | 1473.88 | 1418.00 | 2891.8 |
| 1060.00 | 560.69 | 0.00 | 561.04 | .35 | .07 | 13.95 | 7.14 | .35 | 2117.61 | 0.00 | 0.0 |
| 1060.00 | 561.67 | .98 | 562.08 | .41 | .07 | 13.85 | 7.35 | .41 | 1480.68 | 1389.00 | 2869.6 |
| 1061.00 | 560.70 | 0.00 | 561.04 | .34 | .00 | 5.88 | 4.24 | .34 | 1420.15 | 0.00 | 0.0 |
| 1061.00 | 561.70 | 1.00 | 562.09 | .39 | .00 | 5.68 | 4.30 | .39 | 1150.58 | 1389.00 | 2913.0 |
| 1087.00 | 560.72 | 0.00 | 561.06 | .34 | .02 | 5.82 | 4.22 | .34 | 1421.42 | 0.00 | 0.0 |
| 1087.00 | 561.72 | 1.00 | 562.11 | .38 | .01 | 5.63 | 4.28 | .38 | 1153.13 | 1389.00 | 2914.9 |
| 1088.00 | 560.72 | 0.00 | 561.06 | .35 | .00 | 13.79 | 7.11 | .35 | 2118.70 | 0.00 | 0.0 |
| 1088.00 | 561.71 | .99 | 562.12 | .41 | .00 | 13.65 | 7.31 | .41 | 1484.35 | 1389.00 | 2873.3 |
| 1138.00 | 560.67 | 0.00 | 561.21 | .53 | .07 | 13.01 | 8.97 | .53 | 2117.04 | 0.00 | 0.0 |
| 1138.00 | 561.68 | 1.01 | 562.24 | .56 | .07 | 13.10 | 8.94 | .56 | 1489.53 | 1418.00 | 2907.5 |
| 5750.00 | 568.37 | 0.00 | 572.59 | 4.22 | 9.91 | 42.03 | 17.10 | 4.22 | 418.47 | 0.00 | 0.0 |
| 5750.00 | 569.37 | 1.00 | 574.13 | 4.76 | 10.21 | 45.16 | 17.52 | 4.76 | 145.47 | 674.00 | 819.4 |
| 8007.00 | 575.95 | 0.00 | 577.40 | 1.45 | 4.26 | 10.66 | 10.71 | 1.45 | 813.36 | 0.00 | 0.0 |
| 8007.00 | 577.39 | 1.44 | 578.71 | 1.32 | 3.89 | 9.03 | 10.20 | 1.32 | 497.02 | 540.32 | 1037.3 |
| 8057.00 | 576.59 | 0.00 | 577.54 | .96 | .05 | 7.96 | 8.34 | .96 | 831.37 | 0.00 | 0.0 |
| 8057.00 | 577.92 | 1.34 | 578.83 | .91 | .04 | 6.87 | 8.04 | .91 | 477.09 | 566.27 | 1043.3 |
| 8067.00 | 576.93 | 0.00 | 577.60 | .67 | .00 | 18.89 | 6.61 | .67 | 896.70 | 0.00 | 0.0 |
| 8067.00 | 578.22 | 1.29 | 578.88 | .67 | .00 | 14.88 | 6.12 | .67 | 642.69 | 508.88 | 1151.5 |
| 8092.00 | 576.98 | 0.00 | 577.65 | .67 | .05 | 18.54 | 6.56 | .67 | 898.70 | 0.00 | 0.0 |
| 8092.00 | 578.26 | 1.27 | 578.92 | .66 | .04 | 14.70 | 6.09 | .66 | 644.22 | 508.17 | 1152.3 |
| 8093.00 | 576.85 | 0.00 | 577.74 | .89 | .00 | 9.34 | 8.09 | .89 | 839.07 | 0.00 | 0.0 |
| 8093.00 | 578.16 | 1.30 | 578.99 | .83 | .00 | 8.02 | 7.77 | .83 | 515.65 | 548.95 | 1064.6 |
| 8143.00 | 576.71 | 0.00 | 577.92 | 1.21 | .05 | 11.29 | 9.98 | 1.21 | 835.34 | 0.00 | 0.0 |
| 8143.00 | 578.03 | 1.32 | 579.15 | 1.12 | .04 | 9.74 | 9.56 | 1.12 | 543.90 | 532.60 | 1076.4 |

| SECNO | CWSEL | DIFWSP | EG | HV | HL | 10K+S | VCH | HV | TOPWID | STENCL | STENCR |
|------------|--------|--------|--------|------|-------|-------|-------|------|--------|--------|--------|
| 9443.00 | 577.97 | 0.00 | 581.11 | 3.14 | 2.42 | 36.22 | 15.01 | 3.14 | 474.92 | 0.00 | 0.0 |
| 9443.00 | 579.05 | 1.08 | 581.93 | 2.88 | 2.08 | 31.00 | 14.34 | 2.88 | 292.31 | 590.39 | 882.7 |
| 10743.00 | 583.26 | 0.00 | 589.15 | 5.89 | 6.94 | 86.38 | 19.96 | 5.89 | 347.11 | 0.00 | 0.0 |
| 10743.00 | 583.43 | .16 | 589.97 | 6.55 | 6.57 | 96.86 | 20.62 | 6.55 | 154.01 | 674.00 | 828.0 |
| 12230.00 | 592.79 | 0.00 | 593.44 | .65 | 3.24 | 9.73 | 6.48 | .65 | 573.99 | 0.00 | 0.0 |
| 12230.00 | 593.57 | .78 | 594.16 | .60 | 3.00 | 8.46 | 6.20 | .60 | 500.00 | 230.00 | 730.0 |
| 12240.00 | 592.80 | 0.00 | 593.45 | .65 | .01 | 9.70 | 6.48 | .65 | 574.18 | 0.00 | 0.0 |
| 12240.00 | 593.58 | .78 | 594.17 | .60 | .01 | 8.45 | 6.19 | .60 | 500.00 | 230.00 | 730.0 |
| 12250.00 | 592.81 | 0.00 | 593.46 | .65 | .01 | 9.68 | 6.47 | .65 | 574.32 | 0.00 | 0.0 |
| 12250.00 | 593.58 | .78 | 594.18 | .60 | .01 | 8.43 | 6.19 | .60 | 500.00 | 230.00 | 730.0 |
| 12270.00 | 592.83 | 0.00 | 593.48 | .65 | .02 | 9.64 | 6.46 | .65 | 574.60 | 0.00 | 0.0 |
| 12270.00 | 593.60 | .77 | 594.20 | .59 | .02 | 8.40 | 6.18 | .59 | 500.00 | 230.00 | 730.0 |
| * 12280.00 | 596.28 | 0.00 | 599.76 | 3.48 | .02 | 54.48 | 16.84 | 3.48 | 549.89 | 0.00 | 0.0 |
| * 12280.00 | 596.16 | -.12 | 599.68 | 3.52 | .02 | 54.45 | 16.69 | 3.52 | 490.00 | 210.00 | 700.0 |
| 12290.00 | 597.55 | 0.00 | 600.00 | 2.45 | .04 | 33.48 | 14.30 | 2.45 | 594.02 | 0.00 | 0.0 |
| 12290.00 | 597.34 | -.21 | 599.91 | 2.57 | .04 | 33.95 | 14.22 | 2.57 | 490.00 | 210.00 | 700.0 |
| 12300.00 | 597.71 | 0.00 | 600.06 | 2.35 | .03 | 31.45 | 14.00 | 2.35 | 600.02 | 0.00 | 0.0 |
| 12300.00 | 597.50 | -.21 | 599.96 | 2.46 | .03 | 31.90 | 13.92 | 2.46 | 490.00 | 210.00 | 700.0 |
| 12305.00 | 597.13 | 0.00 | 600.48 | 3.34 | .02 | 47.42 | 15.43 | 3.34 | 575.02 | 0.00 | 0.0 |
| 12305.00 | 596.91 | -.22 | 600.39 | 3.48 | .02 | 53.12 | 15.70 | 3.48 | 400.00 | 230.00 | 630.0 |
| 12320.00 | 597.35 | 0.00 | 600.57 | 3.22 | .07 | 45.00 | 15.17 | 3.22 | 582.64 | 0.00 | 0.0 |
| 12320.00 | 597.15 | -.20 | 600.49 | 3.34 | .08 | 50.23 | 15.41 | 3.34 | 400.00 | 230.00 | 630.0 |
| 12370.00 | 597.94 | 0.00 | 600.84 | 2.90 | .21 | 38.84 | 14.46 | 2.90 | 604.56 | 0.00 | 0.0 |
| 12370.00 | 597.78 | -.16 | 600.79 | 3.01 | .23 | 43.19 | 14.67 | 3.01 | 400.00 | 230.00 | 630.0 |
| 12420.00 | 598.36 | 0.00 | 601.07 | 2.70 | .18 | 35.12 | 14.00 | 2.70 | 619.99 | 0.00 | 0.0 |
| 12420.00 | 598.23 | -.13 | 601.04 | 2.80 | .21 | 39.04 | 14.19 | 2.80 | 400.00 | 230.00 | 630.0 |
| 12520.00 | 599.03 | 0.00 | 601.45 | 2.42 | .32 | 30.07 | 13.31 | 2.42 | 644.46 | 0.00 | 0.0 |
| 12520.00 | 598.94 | -.09 | 601.45 | 2.52 | .36 | 33.47 | 13.49 | 2.52 | 400.00 | 230.00 | 630.0 |
| 21230.00 | 617.56 | 0.00 | 618.47 | .90 | 16.71 | 13.30 | 7.62 | .90 | 495.66 | 0.00 | 0.0 |
| 21230.00 | 617.79 | .22 | 618.66 | .87 | 16.88 | 12.62 | 7.50 | .87 | 495.92 | 350.00 | 860.0 |

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

Handwritten:
 [Signature]
 Flap Duty Table

T1 FPM BR MADISON-MAYODAN NC FIS
 T2 100 YR NATURAL
 T3 FIVE FIVE VICINITY OF MADISON-MAYODAN NC

| JT | TSPECK | TNO | FDIV | IDIR | SIRT | METRIC | RVINS | Q | WSFL | FG |
|----|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|----------|
| | -1. | 4. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 570.800 | -0.000 |
| J2 | TRPFC | IFICT | PREVS | XSECV | XSECM | FN | ALLDC | IFW | CRNTM | ITRACE |
| | 0.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 15.000 |
| J3 | -1.000 | 200.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| J4 | -1.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| ET | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 | 10.400 | -0.000 | -0.000 | -0.000 | -0.000 |
| NT | 50.000 | 21400.000 | 41000.000 | 52000.000 | 29000.000 | 52000.000 | 52000.000 | 52000.000 | -0.000 | -0.000 |
| NC | .110 | .110 | .040 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| Y1 | 1.000 | 38.000 | 1418.000 | 1542.000 | 0.000 | 0.000 | 0.000 | -0.000 | -1.400 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 000.000 | 563.000 | 700.000 | 563.400 | 800.000 | 557.900 | 900.000 |
| CR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 556.200 | 1300.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.100 | 1589.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| Y1 | 50.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 |
| X1 | 100.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | 50.000 | .100 | -0.000 |
| Y1 | 150.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 |
| X1 | 200.000 | 0.000 | -0.000 | -0.000 | 50.000 | 50.000 | 50.000 | 50.000 | .200 | -0.000 |
| X1 | 1010.000 | 0.000 | -0.000 | -0.000 | 510.000 | 510.000 | 510.000 | 510.000 | 1.100 | -0.000 |
| Y1 | 1030.000 | 38.000 | 1380.000 | 1523.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GR | 592.800 | 0.000 | 584.600 | 100.000 | 580.700 | 200.000 | 571.000 | 300.000 | 566.900 | 400.000 |
| GR | 567.100 | 500.000 | 563.500 | 000.000 | 563.000 | 700.000 | 563.400 | 800.000 | 557.900 | 900.000 |
| GR | 568.000 | 1000.000 | 563.000 | 1100.000 | 557.100 | 1200.000 | 554.500 | 1389.000 | 553.100 | 1418.000 |
| GR | 539.100 | 1448.000 | 537.600 | 1469.000 | 535.100 | 1489.000 | 536.600 | 1503.000 | 556.600 | 1542.000 |
| GR | 556.500 | 1623.000 | 556.600 | 1700.000 | 553.800 | 1800.000 | 552.500 | 1900.000 | 551.800 | 2000.000 |
| GR | 551.700 | 2100.000 | 549.400 | 2200.000 | 549.600 | 2300.000 | 550.100 | 2400.000 | 550.300 | 2500.000 |
| GR | 550.900 | 2600.000 | 551.300 | 2700.000 | 551.400 | 2800.000 | 550.900 | 2900.000 | 550.200 | 3000.000 |
| GR | 555.400 | 3100.000 | 557.000 | 3200.000 | 570.000 | 3400.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | .030 | .030 | .030 | .200 | .400 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 1061.000 | 46.000 | 1340.000 | 1523.000 | 1.000 | 1.000 | 1.000 | -0.000 | -0.000 | -0.000 |
| RT | 10.000 | 0.000 | 595.000 | 584.300 | 400.000 | 572.300 | 564.300 | 500.000 | 563.900 | 564.300 |
| RT | 600.000 | 546.400 | 564.300 | 700.000 | 565.200 | 564.300 | 900.000 | 566.300 | 564.300 | 1389.000 |

CONTINUED INTERIOR ROOM MAPPING, INC.
 CONTINUED INTERIOR ROOM MAPPING, INC.
 CONTINUED INTERIOR ROOM MAPPING, INC.

| | | | | | | | | | | |
|----|-----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 4.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12370.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12420.000 | -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 | 9.100 | -0.000 | -0.000 | 230.000 | 630.000 |
| X1 | 12520.000 | -0.000 | -0.000 | -0.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| ET | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | 9.100 | -0.000 | -0.000 | 350.000 | 860.000 |
| X1 | 21230.000 | 35.000 | 350.000 | 660.000 | 8710.000 | 8710.000 | 8710.000 | -0.000 | -0.000 | -0.000 |
| GR | 750.000 | 0.000 | 630.000 | 340.000 | 630.000 | 340.000 | 630.000 | 346.000 | 630.000 | 346.000 |
| GR | 629.200 | 350.000 | 604.200 | 370.000 | 603.700 | 390.000 | 603.500 | 410.000 | 603.200 | 430.000 |
| GR | 602.900 | 450.000 | 603.000 | 470.000 | 602.600 | 490.000 | 603.100 | 510.000 | 604.500 | 530.000 |
| GR | 603.800 | 550.000 | 602.700 | 577.000 | 604.200 | 590.000 | 603.400 | 610.000 | 603.000 | 630.000 |
| GR | 602.700 | 650.000 | 603.200 | 670.000 | 602.800 | 690.000 | 603.100 | 710.000 | 604.800 | 730.000 |
| GR | 605.400 | 750.000 | 604.600 | 770.000 | 604.000 | 790.000 | 603.200 | 810.000 | 603.800 | 830.000 |
| GR | 604.700 | 850.000 | 600.800 | 860.000 | 600.000 | 1010.000 | 660.000 | 1100.000 | 680.000 | 1710.000 |
| EJ | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM DR MADISON-MAYODAN NO FIS
 T2 METHOD 4 FLOODWAY (11.0 FT INCREASE)
 T3 MAYO RIVER VICINITY OF MADISON-MAYODAN NO

| J1 | ICHECK | IND | NIIV | IDIR | STPT | METRIC | HVINS | B | WSEL | FO |
|----|--------|--------|--------|--------|-----------|--------|--------|--------|---------|--------|
| | -10. | 6. | -0. | -0. | -0.000000 | -0.00 | -0.0 | -0. | 571.800 | -0.000 |
| J2 | WPROF | TPLOT | PREVS | XSECV | XSECH | FN | ALLDC | IRW | CHNIM | ITRACE |
| | 15.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |

*PROF 2

CDPVE .200 CERVE .400
 *SECNO 1.000
 2800 NAT Q1= 53507.78 WSEL= 570.80 ENC Q1= 53507.78 WSEL= 571.80 RATIO= .0000
 NAT Q1= 58402. RATIOS LOB,CH,POB= .1307 .2310 .6383 WSEL= 571.80
 3280 CROSS SECTION 1.00 EXTENDED 3.20 FEET

| SECNO | DEPTH | WSEL | DRHS | WSELK | EG | HV | HL | LOSS | BANK | ELEV |
|-------|-------|------|-------|--------|------|-------|-------|--------|------------|------|
| 0 | CLRH | QMH | TRQB | ALOR | ACH | APOR | VOI | TRA | LFET/RIGHT | |
| TIME | VLOB | VQH | VROB | XOL | XNCH | XMR | ITM | ELMIN | SSTA | |
| SLOPE | XLCH | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | BNST | |

3470 ENCROACHMENT STATIONS= 874.7 3120.2 TYPE= 4 TARGET= .082
 1.00 38.10 571.80 0.00 570.80 571.86 .06 0.00 0.00 551.70

*1480
L 606
R 1640*

*SECNO 50.000
 2800 NAT Q1= 53619.98 WSEL= 570.80 ENC Q1= 53619.98 WSEL= 571.80 RATIO= .0000
 NAT Q1= 58425. RATIOS LOB,CH,POB= .1307 .2310 .6383 WSEL= 571.80
 3280 CROSS SECTION 50.00 EXTENDED 3.21 FEET

3470 ENCROACHMENT STATIONS= 874.3 3120.3 TYPE= 4 TARGET= .082
 50.00 38.10 571.80 0.00 570.80 571.86 .06 0.00 0.00 551.70

*L 606
R 1640*

*SECNO 100.000
 2800 NAT Q1= 53172.89 WSEL= 570.81 ENC Q1= 53172.89 WSEL= 571.81 RATIO= .0000
 NAT Q1= 57956. RATIOS LOB,CH,POB= .1299 .2317 .6384 WSEL= 571.81
 3280 CROSS SECTION 100.00 EXTENDED 3.11 FEET

3470 ENCROACHMENT STATIONS= 883.9 3118.9 TYPE= 4 TARGET= .083
 100.00 38.01 571.81 0.00 570.81 571.87 .06 0.00 0.00 551.80

*L 596
R 1640*

*SECNO 150.000
 2800 NAT Q1= 53195.09 WSEL= 570.81 ENC Q1= 53195.09 WSEL= 571.81 RATIO= .0000

FLOODWAY DATA, MAYO RIVER VICINITY OF M
 PROFILE NO. 2

| STATION | FLOODWAY | | MEAN VELOCITY | WATER SURFACE ELEVATION | | |
|-----------|---------------|-----------------|------------------|-------------------------|---------------------|------------|
| | WIDTH (FT) | SECTION AREA | | WITH FLOODWAY | WITHOUT FLOODWAY | DIFFERENCE |
| 1.000 | 2243. | 43953. | 1.2 | 571.8 | 570.8 | 1.0 |
| 50.000 | 2246. | 43978. | 1.2 | 571.8 | 570.8 | 1.0 |
| 100.000 | 2235. | 43681. | 1.2 | 571.8 | 570.8 | 1.0 |
| 150.000 | 2236. | 43695. | 1.2 | 571.8 | 570.8 | 1.0 |
| 200.000 | 2209. | 43082. | 1.2 | 571.8 | 570.8 | 1.0 |
| 1010.000 | 2005. | 39670. | 1.3 | 571.9 | 570.9 | 1.0 |
| 1060.000 | 1977. | 39299. | 1.3 | 571.9 | 570.9 | 1.0 |
| 1061.000 | 1997. | 29591. | 1.8 | 571.9 | 570.9 | 1.0 |
| 1087.000 | 1995. | 29653. | 1.8 | 571.9 | 570.9 | 1.0 |
| 1088.000 | 1979. | 39321. | 1.3 | 571.9 | 570.9 | 1.0 |
| 1136.000 | 2015. | 39737. | 1.3 | 571.9 | 570.9 | 1.0 |
| 5750.000 | 195. | 3854. | 13.4 | 571.4 | 570.6 | .8 |
| 8007.000 | 400. | 7685. | 6.8 | 577.2 | 576.2 | 1.0 |
| 8057.000 | 353. | 7420. | 7.0 | 577.8 | 576.8 | 1.0 |
| 8067.000 | 568. | 7423. | 7.0 | 578.1 | 577.2 | .9 |
| 8092.000 | 567. | 7453. | 7.0 | 578.1 | 577.2 | .9 |
| 8093.000 | 375. | 7711. | 6.7 | 578.0 | 577.1 | .9 |
| 8143.000 | 435. | 8269. | 6.3 | 577.9 | 576.9 | 1.0 |
| 9443.000 | 207. | 3985. | 13.0 | 578.9 | 578.1 | .8 |
| 10743.000 | 144. | 2576. | 20.2 | 584.0 | 583.3 | .7 |
| 12230.000 | 500. | 8477. | 6.1 | 593.7 | 592.8 | .9 |
| 12240.000 | 500. | 8481. | 6.1 | 593.7 | 592.8 | .9 |
| 12250.000 | 500. | 8485. | 6.1 | 593.8 | 592.8 | .9 |
| 12270.000 | 500. | 8484. | 6.1 | 593.8 | 592.8 | .9 |
| 12289.000 | 490. | 8612. | 10.4 | 595.2 | 596.3 | -1.1 |
| 12290.000 | 490. | 4187. | 12.4 | 597.3 | 597.6 | -.2 |
| 12300.000 | 490. | 4270. | 12.7 | 597.5 | 597.7 | -.2 |

| | | | | | | |
|-----------|------|-------|------|-------|-------|-----|
| 12305.000 | 400. | 4378. | 11.9 | 596.9 | 597.1 | -.2 |
| 12320.000 | 400. | 4470. | 11.6 | 597.1 | 597.3 | -.2 |
| 12370.000 | 400. | 4726. | 11.0 | 597.8 | 597.9 | -.2 |
| 12420.000 | 400. | 4904. | 10.6 | 598.2 | 598.4 | -.1 |
| 12520.000 | 400. | 5185. | 10.0 | 598.9 | 599.0 | -.1 |
| 21250.000 | 495. | 6933. | 7.5 | 617.3 | 617.6 | .2 |

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 12280.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

CONTINUED FROM PAGE 1
 CONSULT INSTRUCTIONS FOR BALANCE WSEL
 CONTINUED FROM PAGE 1