

SANDY RAIN

GENERAL MESSAGE

MEC-2 MESSAGE

** MEC-2 MESSAGE **

MAY 13 -- THE STANDARD VERSION OF MEC-2 HAS BEEN UPDATE TO INCLUDE MODIFICATION 54 AND ERROR CORRECTION 54. DOCUMENTATION DESCRIBING THESE CHANGE WILL BE FURNISHED TO PROGRAM USERS IN JUNE. PLEASE CALL AL MONTALVO OR RICHARD MAYES AT (FTS) 448-2195 IF YOU HAVE QUESTIONS REGARDING THESE CHANGES.

Handwritten: OK to go
7x 2000
7/2/81

***** SUMMARY OF MODIFICATION 54 *****

- 1. MEC-2 OUTPUT HAS BEEN MADE MORE READABLE BY THE ADDITION OF A PAGING ROUTINE TO CONTROL PRINTING AND PAGING. THE ROUTINE ALSO PROVIDES A PAGE NUMBER AND DATE AT THE TOP OF EACH PAGE OF OUTPUT. THIS ENHANCEMENT WAS REQUESTED BY THE FORT WORTH DISTRICT.
- 2. THE PROGRAM WILL NOW AUTOMATICALLY CALCULATE FLOOD HAZARD FACTORS FOR STREAMS WHICH REQUIRE MULTIPLE FIA ZONES.
- 3. THE CHANNEL IMPROVEMENT (CHIMP) ROUTINE HAS BEEN CHANGED TO PROVIDE THE CAPABILITY TO MODEL PILOT CHANNELS, TO FILL THE OLD CHANNEL AREA PRIOR TO EXCAVATION, AND TO CHANGE THE CHANNEL REACH LENGTH.

14 OCT 81 11:33:58

PAGE 1

THIS RUN EXECUTED 14 OCT 81 11:33:58

MEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 0102403004
 MODIFICATION - 5805102053054

T1 SANDY RUN
 T2 JACKSONVILLE NORTH CAROLINA
 T3 10-YEAR FLOOD

| | | | | | | | | | |
|----|--------|-----|-----|------|------|--------|-------|------|------|
| 01 | ICHECK | ING | NIN | IDIR | STAT | METRIC | MVIMS | USBL | ROBL |
| | | | | | 0 | -00 | -00 | -00 | -00 |

Handwritten: Shilling
 WJSEL
 from
 Chaney
 (P) 222

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J3 VARIABLE CODES FOR SUMMARY PRINTOUT

| | | | | | | | | | | | | | |
|----|--------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NC | 1.000 | -0.00 | -1.000 | -0.00 | -0.00 | -0.00 | -1.000 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| GT | .080 | .100 | .070 | .100 | .300 | .300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| GR | 5.000 | 305.000 | 625.000 | 820.000 | 1468.000 | 1468.000 | 820.000 | 820.000 | 820.000 | 820.000 | 820.000 | 820.000 | 820.000 |
| X1 | 5.000 | 20.000 | 781.000 | 800.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 |
| X4 | 2.000 | 6.700 | 400.000 | 6.400 | 300.000 | 300.000 | 300.000 | 300.000 | 300.000 | 300.000 | 300.000 | 300.000 | 300.000 |
| GR | 15.000 | 0.00 | 10.000 | 300.000 | 8.200 | 8.200 | 600.000 | 600.000 | 600.000 | 600.000 | 600.000 | 600.000 | 600.000 |
| GR | 2.000 | 700.000 | 2.300 | 781.000 | 783.000 | 783.000 | 783.000 | 783.000 | 783.000 | 783.000 | 783.000 | 783.000 | 783.000 |
| GR | -2.000 | 796.000 | .530 | 797.000 | 2.400 | 2.400 | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 |
| GR | 13.100 | 1000.000 | 43.700 | 1084.000 | 13.900 | 13.900 | 1100.000 | 1100.000 | 1100.000 | 1100.000 | 1100.000 | 1100.000 | 1100.000 |

these correction are made

| | | | | | | | | | | | | | |
|----|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 1.100 | 20.000 | 373.000 | 406.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 | 1231.000 |
| GR | 15.000 | 0.00 | 19.200 | 14.600 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 |
| GR | 9.500 | 373.000 | 5.700 | 382.000 | 4.200 | 4.200 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 |
| GR | 4.200 | 392.700 | 4.500 | 393.000 | 7.600 | 7.600 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 |
| GR | 20.000 | 553.000 | 19.600 | 600.000 | 16.000 | 16.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 |
| NC | -0.00 | -0.00 | .070 | .300 | .500 | .500 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |

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| | | | | | | | | | | | | | |
|----|---------|-------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| X1 | 1.000 | 0.00 | 0.00 | 0.00 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |
| X2 | -0.00 | -0.00 | 1.000 | 6.000 | 8.600 | 8.600 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| X3 | 10.000 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| BT | 7.000 | -0.00 | 16.300 | -0.00 | 100.000 | 100.000 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |
| BT | 400.000 | 9.600 | -0.00 | 500.000 | 11.800 | 11.800 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| BT | 16.000 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |

| | | | | | | | | | | | | | |
|----|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| X1 | 1.000 | 20.000 | 373.000 | 406.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |
| GR | 15.000 | -0.00 | 19.200 | 14.600 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 | 280.000 |
| GR | 9.500 | 373.000 | 5.700 | 382.000 | 4.200 | 4.200 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 | 384.000 |
| GR | 4.200 | 392.000 | 4.500 | 393.000 | 7.600 | 7.600 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 | 400.000 |
| GR | 20.000 | 553.000 | 19.600 | 600.000 | 10.000 | 10.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 | 633.000 |
| NC | -0.00 | -0.00 | .070 | .300 | .500 | .500 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |

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| | | | | | | | | | | |
|-----------|----------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| GR | 20.200 | 40.000 | 24.300 | 300.000 | 23.000 | 370.000 | 100.000 | 300.000 | 14.000 | 300.000 |
| GR | 14.000 | 393.500 | 10.000 | 400.000 | 14.100 | 402.000 | 100.000 | 400.000 | 10.100 | 410.000 |
| GR | 23.000 | 430.000 | 20.000 | 500.000 | 20.300 | 800.000 | 0.000 | 500.000 | 0.000 | 500.000 |
| NC | -0.000 | -0.000 | .070 | .300 | .000 | .000 | .000 | .300 | .000 | .000 |
| X1 | 3.200 | 13.000 | 393.500 | 402.000 | 100.000 | 100.000 | 100.000 | 0.000 | 0.000 | 0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 25.200 | -0.000 | 24.300 | 300.000 | 23.000 | 370.000 | 100.000 | 300.000 | 14.000 | 300.000 |
| GR | 14.000 | 393.500 | 10.000 | 400.000 | 14.100 | 402.000 | 100.000 | 400.000 | 10.100 | 410.000 |
| GR | 23.000 | 430.000 | 20.000 | 500.000 | 20.300 | 800.000 | 0.000 | 500.000 | 0.000 | 500.000 |
| SB | 1.000 | 1.600 | 3.000 | -0.000 | 6.000 | 1.000 | 25.100 | -0.310 | 14.000 | 14.000 |
| X1 | 3.300 | -0.000 | -0.000 | -0.000 | 56.000 | 56.000 | 56.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | 1.000 | 18.000 | 23.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| BT | 6.000 | -0.000 | 25.200 | -0.000 | 300.000 | 24.300 | 0.000 | 390.000 | 23.000 | 390.000 |
| BT | 402.000 | 29.900 | -0.000 | 500.000 | 24.000 | -0.000 | 000.000 | 24.300 | -0.000 | -0.000 |
| X1 | 3.000 | 13.000 | 383.000 | 405.000 | 50.000 | 50.000 | 50.000 | -0.000 | -0.000 | -0.000 |
| GA | 25.200 | -0.000 | 24.300 | 300.000 | 23.000 | 370.000 | 100.000 | 300.000 | 14.000 | 300.000 |
| GR | 14.000 | 393.500 | 10.000 | 400.000 | 14.100 | 402.000 | 100.000 | 400.000 | 10.100 | 410.000 |
| GR | 23.000 | 430.000 | 20.000 | 500.000 | 20.300 | 800.000 | 0.000 | 500.000 | 0.000 | 500.000 |
| NC | -0.000 | -0.000 | .070 | .100 | .300 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| 14 OCT 81 | 11.35.56 | | | | | | | | | PAGE 3 |
| X1 | 4.100 | 13.000 | 387.000 | 407.000 | 370.000 | 370.000 | 370.000 | -0.000 | -0.000 | -0.000 |
| GR | 24.300 | -0.000 | 23.500 | 100.000 | 22.800 | 200.000 | 22.800 | 370.000 | 16.100 | 387.000 |
| GA | 16.100 | 391.600 | 15.700 | 400.000 | 16.200 | 402.000 | 16.500 | 407.000 | 22.800 | 412.000 |
| GR | 23.000 | 500.000 | 25.000 | 700.000 | 25.500 | 800.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| VC | -0.000 | -0.000 | .070 | .300 | .500 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 4.200 | 13.000 | 391.600 | 402.000 | 100.000 | 100.000 | 100.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| GR | 24.300 | -0.000 | 23.500 | 100.000 | 22.800 | 200.000 | 22.800 | 370.000 | 16.100 | 387.000 |
| GA | 16.100 | 391.600 | 15.700 | 400.000 | 16.200 | 402.000 | 16.500 | 407.000 | 22.800 | 412.000 |
| GR | 23.000 | 500.000 | 25.000 | 700.000 | 25.500 | 800.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| SB | 1.000 | 1.790 | 3.000 | -0.000 | 8.000 | 2.000 | 25.100 | .030 | 16.000 | 16.000 |
| X1 | 4.300 | -0.000 | -0.000 | -0.000 | 80.000 | 80.000 | 80.000 | -0.000 | -0.000 | -0.000 |
| X2 | -0.000 | -0.000 | 1.000 | 20.100 | 22.800 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X3 | 10.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| BT | 6.000 | -0.000 | 24.300 | -0.000 | 200.000 | 22.800 | 0.000 | 407.000 | 22.800 | 407.000 |
| BT | 500.000 | 23.000 | -0.000 | 700.000 | 25.000 | -0.000 | 800.000 | 25.500 | -0.000 | -0.000 |
| X1 | 4.000 | 13.000 | 387.000 | 407.000 | 22.800 | 200.000 | 22.800 | 370.000 | 16.100 | 387.000 |
| GA | 24.300 | -0.000 | 23.500 | 100.000 | 16.200 | 402.000 | 16.500 | 407.000 | 22.800 | 412.000 |
| GR | 16.100 | 391.600 | 15.700 | 400.000 | 16.200 | 402.000 | 16.500 | 407.000 | 22.800 | 412.000 |
| GA | 23.000 | 500.000 | 25.000 | 700.000 | 25.500 | 800.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| NC | -0.000 | -0.000 | .070 | .100 | .300 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| X1 | 5.000 | 15.000 | 382.000 | 400.000 | 180.000 | 180.000 | 180.000 | -0.000 | -0.000 | -0.000 |
| GA | 31.700 | -0.000 | 32.200 | 100.000 | 30.000 | 200.000 | 27.500 | 231.000 | 24.700 | 300.000 |
| GR | 23.000 | 382.000 | 20.800 | 300.000 | 20.500 | 389.000 | 20.200 | 391.000 | 20.500 | 393.000 |
| SB | 1.000 | 1.000 | 2.000 | -0.000 | 2.000 | 2.000 | 2.000 | -0.000 | 2.000 | 2.000 |



| | | | | | | | | | | | |
|----|---------|---------|-----------|----------|----------|----------|----------|----------|--------|---------|-----|
| X1 | 1,594 | 0. | 0. | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | -0. | -0. | -0. |
| X2 | -0. | 1,100 | 6,500 | 9,600 | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X3 | 16,000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | 9,600 | -0. | -0. |
| BT | 7,000 | -0. | 10,000 | 13,800 | -0. | -0. | -0. | -0. | 9,800 | -0. | -0. |
| BT | 4,000 | 9,600 | 50,000 | 11,600 | -0. | -0. | -0. | 700,000 | -0. | 800,000 | -0. |
| BT | 16,300 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X1 | 1,400 | -0. | -0. | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | -0. | -0. | -0. |
| VC | -0. | 1,070 | 1,100 | 300 | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X1 | 2,000 | 20,000 | 406,000 | 1775,000 | 1775,000 | 1775,000 | 1775,000 | 1775,000 | -0. | -0. | -0. |
| GR | 15,500 | 19,200 | 100,000 | 14,600 | 200,000 | 9,700 | 4,000 | 330,000 | 14,200 | 364,000 | -0. |
| GR | 9,500 | 373,000 | 382,000 | 4,200 | 384,000 | 4,000 | 9,500 | 385,000 | 3,800 | 388,000 | -0. |
| GR | 4,200 | 392,000 | 293,000 | 7,600 | 400,000 | 9,500 | 9,500 | 406,000 | 10,300 | 447,000 | -0. |
| GR | 20,000 | 553,000 | 600,000 | 18,000 | 633,000 | 16,500 | 16,500 | 700,000 | 18,700 | 800,000 | -0. |
| X1 | 3,100 | 13,000 | 410,000 | 1914,000 | 1914,000 | 1914,000 | 1914,000 | 1914,000 | -0. | -0. | -0. |
| GR | 25,200 | 24,300 | 300,000 | 23,900 | 382,000 | 18,400 | 18,400 | 384,000 | 14,400 | 390,000 | -0. |
| GR | 14,900 | 393,500 | 4,000,000 | 14,100 | 402,000 | 14,100 | 14,100 | 405,000 | 18,100 | 410,000 | -0. |
| GR | 23,900 | 415,000 | 500,000 | 24,300 | 800,000 | -0. | -0. | -0. | -0. | -0. | -0. |
| NC | -0. | -0. | 300 | 500 | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X1 | 3,200 | 14,000 | 402,500 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | -0. | -0. | -0. |
| X3 | 10,000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | 20,000 | -0. | -0. |
| GR | 25,200 | 24,300 | 300,000 | 23,900 | 382,000 | 16,400 | 16,400 | 384,000 | 16,400 | 393,500 | -0. |
| GR | 14,900 | 395,000 | 400,000 | 16,400 | 402,500 | 16,400 | 16,400 | 407,000 | 18,100 | 410,000 | -0. |
| GR | 23,900 | 415,000 | 500,000 | 24,300 | 800,000 | 26,000 | 26,000 | 1150,000 | -0. | -0. | -0. |
| SR | 1,000 | 1,500 | -0. | 6,000 | 1,000 | 25,100 | 25,100 | 310 | 14,400 | 14,400 | -0. |
| X1 | 3,300 | -0. | -0. | 56,000 | 56,000 | 56,000 | 56,000 | 56,000 | -0. | -0. | -0. |
| X2 | -0. | 1,000 | 18,400 | 23,900 | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X3 | 10,000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | 23,900 | -0. | -0. |
| BT | 4,500 | 28,000 | -0. | 400,000 | 23,900 | -0. | -0. | 800,000 | 24,300 | -0. | -0. |
| BT | 115,000 | 26,000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X1 | 3,500 | 14,000 | 410,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | -0. | -0. | -0. |
| GR | 25,200 | 24,300 | 300,000 | 23,900 | 382,000 | 18,400 | 18,400 | 384,000 | 14,400 | 389,000 | -0. |
| GR | 14,900 | 393,500 | 4,000,000 | 14,100 | 402,500 | 14,100 | 14,100 | 405,000 | 18,100 | 410,000 | -0. |
| GR | 23,900 | 415,000 | 500,000 | 24,300 | 800,000 | 26,000 | 26,000 | 1150,000 | -0. | -0. | -0. |
| NC | -0. | -0. | 300 | 500 | -0. | -0. | -0. | -0. | -0. | -0. | -0. |

THIS RUN EXECUTED 05 FEB 82 09:26:19

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - R432, C3, 4
 MODIFICATION - 5051, 52, 53, 54

T1 SANDY RJ:
 T2 JACKSONVILLE, NORTH CAROLINA
 T3 50-YEAR FLOOD

| J1 | ICHECK | ICG | MINV | IDIS | STRT | METPC | HVRS | Q | WSEL | FG |
|----|--------|-------|--------|-------|-------|-------|--------|-----|-------|--------|
| | | | | | | -0. | -0. | -0. | 6.300 | -0. |
| J2 | MPROF | IFLOT | MPFSP | YLECV | XSECH | FM | ALLDC | IBW | CHNIM | ITRACE |
| | 2.00 | | -1.000 | -0. | -0. | -0. | -1.000 | -0. | -0. | -0. |

THIS RUN EXECUTED 05 FEB 82 09.26.19

 HEC2 RELEASE DATED NOV 75 UPDATED APRIL 1980
 ERROR CORR - 01.02.03.04
 MODIFICATION - 50.51.52.53.54

T1 SANDY RJN
 T2 JACKSONVILLE, NORTH CAROLINA
 T3 100-YEAR FLOOD

| J1 | ICHECK | IFW | NIWV | IGIR | STRT | METRIC | HVINS | 0 | WSEL | FO |
|----|--------|-------|------|-------|-------|--------|--------|-----|-------|--------|
| | | | | | | -0. | -0. | | 7.080 | -0. |
| J2 | MPROF | IFLOT | PFVS | XSECV | XSECH | FN | ALLOC | IBW | CHNIN | ITRASE |
| | | | | | | -0. | -1.000 | | -0. | -0. |

THIS RUN EXECUTED 05 FEB 82 09:26:20

 HEC2 RELEASE DATED NOV 76 UPDATED APR1 1985
 ERROR CORR - 11,02,81,84
 MODIFICATION - 5,51,82,53,54

T1 SANDY AJO
 T2 JACKSONVILLE, NORTH CAROLINA
 T3 5-YEAR FLOOD

| J1 | ICHECK | TRG | NIVV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| J2 | WRPWF | IFLOT | PREVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 15.000 | | -1.000 | -1.000 | -1.000 | -0.000 | -1.000 | -0.000 | -0.000 | -0.000 |

THIS RUN EXECUTED 05 FEB 82 09:26:20

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORP - 01-02-03,04
 MODIFICATION - 50,51,52,53,54

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

AR FLOOD

SUMMARY PRINTOUT TABLE 110

| SECHO | CPSL | DIRKS | EG | TOPID | GLOB | QCH | QPOB | PERENC | STENCL | STCHL | STCHR | STENCH |
|-------|-------|-------|-------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| 5.001 | 4.70 | 0. | 4.72 | 233.53 | 61.50 | 164.55 | 123.94 | 0. | 0. | 781.00 | 800.00 | 0. |
| 5.001 | 6.30 | 0. | 6.32 | 250.60 | 171.48 | 258.37 | 285.15 | 0. | 0. | 781.00 | 800.00 | 0. |
| 5.001 | 7.02 | 0. | 7.10 | 438.21 | 248.63 | 305.80 | 380.58 | 0. | 0. | 781.00 | 800.00 | 0. |
| 5.001 | 8.93 | 0. | 8.95 | 617.11 | 599.54 | 419.98 | 640.47 | 0. | 0. | 781.00 | 800.00 | 0. |
| 1.100 | 6.12 | 0. | 6.25 | 160.47 | 26.28 | 261.51 | 17.21 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.100 | 9.62 | 0. | 9.97 | 179.16 | 129.14 | 411.77 | 84.09 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.100 | 12.53 | 0. | 12.68 | 216.28 | 216.61 | 473.52 | 129.87 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.100 | 12.18 | 0. | 12.31 | 346.26 | 535.32 | 626.23 | 298.45 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.200 | 8.43 | 0. | 8.61 | 15.00 | 0. | 305.00 | 0. | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.200 | 10.14 | 0. | 10.26 | 190.78 | 146.05 | 387.88 | 91.06 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.200 | 13.45 | 0. | 13.96 | 237.12 | 235.47 | 446.95 | 137.57 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.200 | 12.46 | 0. | 12.58 | 372.40 | 555.01 | 592.51 | 312.47 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.300 | 8.77 | 0. | 8.93 | 15.00 | 0. | 305.00 | 0. | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.300 | 10.56 | 0. | 10.66 | 219.39 | 167.30 | 357.80 | 99.90 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.300 | 11.04 | 0. | 11.14 | 250.15 | 246.66 | 431.31 | 142.03 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.300 | 12.57 | 0. | 12.62 | 376.98 | 557.76 | 587.91 | 314.39 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.400 | 8.69 | 0. | 8.86 | 135.56 | 45.43 | 229.82 | 29.74 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.400 | 10.67 | 0. | 10.74 | 225.88 | 171.84 | 351.40 | 101.76 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.400 | 11.15 | 0. | 11.24 | 257.82 | 252.86 | 422.66 | 144.46 | 0. | 0. | 392.50 | 407.50 | 0. |
| 1.400 | 12.64 | 0. | 12.77 | 389.43 | 564.82 | 575.64 | 319.54 | 0. | 0. | 392.50 | 407.50 | 0. |
| 2.000 | 11.05 | 0. | 11.14 | 132.62 | 7.19 | 283.19 | 14.61 | 0. | 0. | 373.00 | 406.00 | 0. |
| 2.000 | 12.97 | 0. | 12.97 | 213.90 | 63.92 | 485.68 | 75.39 | 0. | 0. | 373.00 | 406.00 | 0. |
| 2.000 | 13.58 | 0. | 13.65 | 246.97 | 112.78 | 591.27 | 115.96 | 0. | 0. | 373.00 | 406.00 | 0. |
| 2.000 | 14.28 | 0. | 14.37 | 311.61 | 331.46 | 876.40 | 292.14 | 0. | 0. | 373.00 | 406.00 | 0. |
| 3.100 | 13.35 | 0. | 13.55 | 26.15 | 0. | 305.00 | 0. | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.100 | 20.10 | 0. | 20.46 | 26.34 | 16 | 623.96 | 88 | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.100 | 20.94 | 0. | 21.39 | 29.37 | 46 | 817.27 | 2.27 | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.100 | 23.10 | 0. | 23.86 | 32.85 | 2.52 | 1446.65 | 10.83 | 0. | 0. | 384.00 | 410.00 | 0. |

| SECNO | GWSEL | DIFKNS | EG | TOPWID | OLOB | OCH | OROB | PERENC | STEVCL | STCHL | STCHR | STENCR |
|-------|-------|--------|-------|---------|--------|---------|--------|--------|--------|---------|---------|--------|
| 3.201 | 19.06 | 0. | 20.19 | 9.00 | 0. | 305.00 | 0. | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.211 | 21.60 | 0. | 21.62 | 29.73 | 119.31 | 422.67 | 83.03 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.221 | 21.86 | 0. | 22.62 | 39.70 | 163.76 | 538.30 | 117.94 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.231 | 24.11 | 0. | 25.26 | 275.26 | 312.25 | 900.87 | 246.88 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.301 | 22.75 | 0. | 23.03 | 9.60 | 0. | 395.00 | 0. | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.311 | 24.28 | 0. | 24.47 | 475.39 | 133.69 | 378.26 | 113.05 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.321 | 24.03 | 0. | 24.62 | 453.93 | 175.37 | 495.04 | 149.59 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.331 | 24.13 | 0. | 25.26 | 376.19 | 312.32 | 898.94 | 248.75 | 0. | 0. | 393.50 | 402.50 | 0. |
| 3.401 | 23.01 | 0. | 23.13 | 32.52 | 52 | 302.26 | 2.22 | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.411 | 24.47 | 0. | 24.55 | 593.11 | 5.42 | 595.89 | 23.68 | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.421 | 24.63 | 0. | 24.77 | 639.22 | 11.85 | 760.40 | 47.75 | 0. | 0. | 384.00 | 410.00 | 0. |
| 3.431 | 23.50 | 0. | 24.71 | 1354.69 | 123.93 | 1051.58 | 287.49 | 0. | 0. | 384.00 | 410.00 | 0. |
| 4.011 | 23.57 | 0. | 23.33 | 392.90 | 24.62 | 270.92 | 9.46 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.021 | 24.74 | 0. | 24.78 | 563.45 | 195.21 | 335.35 | 93.44 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.031 | 25.03 | 0. | 25.08 | 935.38 | 282.37 | 397.97 | 139.73 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.041 | 26.01 | 0. | 26.04 | 2059.00 | 688.45 | 453.62 | 317.90 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.051 | 23.49 | 0. | 23.47 | 424.88 | 62.67 | 200.92 | 41.41 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.061 | 24.05 | 0. | 24.07 | 581.90 | 274.20 | 201.07 | 149.73 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.071 | 25.15 | 0. | 25.18 | 1166.10 | 380.82 | 229.02 | 210.96 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.081 | 26.11 | 0. | 26.12 | 2950.00 | 832.12 | 234.74 | 393.14 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.091 | 23.49 | 0. | 23.47 | 424.88 | 62.67 | 200.92 | 41.41 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.101 | 24.05 | 0. | 24.07 | 581.90 | 274.20 | 201.07 | 149.73 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.111 | 25.15 | 0. | 25.18 | 1166.10 | 380.82 | 229.02 | 210.96 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.121 | 26.11 | 0. | 26.12 | 2950.00 | 832.12 | 234.74 | 393.14 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.131 | 23.49 | 0. | 23.47 | 424.88 | 62.67 | 200.92 | 41.41 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.141 | 24.05 | 0. | 24.07 | 581.90 | 274.20 | 201.07 | 149.73 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.151 | 25.15 | 0. | 25.18 | 1166.10 | 380.82 | 229.02 | 210.96 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.161 | 26.11 | 0. | 26.12 | 2950.00 | 832.12 | 234.74 | 393.14 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 5.011 | 25.03 | 0. | 25.03 | 29.71 | 81.50 | 187.21 | 36.29 | 0. | 0. | 382.00 | 400.00 | 0. |
| 5.021 | 27.03 | 0. | 27.07 | 24.90 | 318.60 | 281.77 | 126.62 | 0. | 0. | 382.00 | 400.00 | 0. |
| 5.031 | 27.07 | 0. | 27.77 | 312.97 | 301.90 | 331.76 | 186.26 | 0. | 0. | 382.00 | 400.00 | 0. |
| 5.041 | 29.06 | 0. | 29.04 | 268.67 | 579.76 | 477.38 | 402.86 | 0. | 0. | 382.00 | 400.00 | 0. |
| 5.051 | 25.01 | 0. | 25.11 | 230.22 | 39.66 | 165.39 | 79.93 | 0. | 0. | 438.00 | 450.00 | 0. |
| 5.061 | 25.07 | 0. | 25.09 | 944.47 | 108.66 | 247.39 | 268.95 | 0. | 0. | 438.00 | 450.00 | 0. |
| 5.071 | 26.30 | 0. | 26.45 | 471.6 | 154.83 | 271.05 | 394.12 | 0. | 0. | 438.00 | 450.00 | 0. |
| 5.081 | 27.41 | 0. | 27.47 | 630.38 | 335.11 | 328.13 | 796.86 | 0. | 0. | 438.00 | 450.00 | 0. |
| 7.011 | 25.77 | 0. | 25.71 | 39.89 | 21.09 | 233.70 | 50.21 | 0. | 0. | 2194.00 | 2202.00 | 0. |
| 7.021 | 26.03 | 0. | 26.09 | 671.44 | 106.30 | 315.72 | 202.90 | 0. | 0. | 2194.00 | 2202.00 | 0. |
| 7.031 | 26.03 | 0. | 26.04 | 725.94 | 176.77 | 337.79 | 305.44 | 0. | 0. | 2194.00 | 2202.00 | 0. |
| 7.041 | 26.56 | 0. | 26.58 | 1133.24 | 436.67 | 377.64 | 643.69 | 0. | 0. | 2194.00 | 2202.00 | 0. |

| SECYD | CANSEL | JIFKAS | EG | TOPWID. | QLOB | RCH | OROB | PERENC | STEVCL | STCHL | STCHR | STENCR |
|---------|--------|--------|-------|---------|--------|--------|--------|--------|--------|---------|---------|--------|
| 7.200 | 59.37 | 0. | 39.51 | 352.77 | 56.15 | 144.31 | 94.54 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.200 | 40.46 | 0. | 40.51 | 032.29 | 199.76 | 137.75 | 287.49 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.200 | 40.77 | 0. | 40.81 | 989.15 | 281.80 | 144.12 | 394.08 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.200 | 41.44 | 0. | 41.47 | 1418.27 | 578.58 | 161.68 | 719.73 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| * 7.300 | 39.57 | 0. | 39.51 | 352.52 | 66.13 | 144.36 | 94.51 | 6. | 6. | 2198.00 | 2202.00 | 0. |
| * 7.300 | 40.46 | 0. | 40.51 | 032.17 | 199.75 | 137.78 | 287.47 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| * 7.300 | 40.77 | 0. | 40.81 | 989.05 | 281.78 | 144.14 | 394.08 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.300 | 41.44 | 0. | 41.48 | 1425.26 | 579.63 | 150.57 | 719.81 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.400 | 39.63 | 0. | 39.72 | 467.15 | 73.44 | 122.49 | 109.08 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.400 | 40.63 | 0. | 40.64 | 897.78 | 205.17 | 124.34 | 294.49 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.400 | 40.93 | 0. | 40.94 | 1677.28 | 292.10 | 130.28 | 397.62 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 7.400 | 41.58 | 0. | 41.63 | 1513.20 | 592.33 | 147.38 | 720.30 | 0. | 0. | 2198.00 | 2202.00 | 0. |

AR FLOOD

SUMMARY PRINTOUT TABLE 151

| SECD | XLCH | ELTRC | ELLC | FLMIN | W | CWSEL | CRIMS | EG | 10K+S | VCH | AREA | .01K |
|-------|---------|-------|------|-------|---------|-------|-------|-------|--------|-------|---------|--------|
| 50000 | -10 | 00 | 00 | -2.30 | 350.00 | 9.70 | .83 | 4.72 | 5.56 | 1.52 | 599.55 | 136.64 |
| 50000 | -10 | 00 | 00 | -2.30 | 715.00 | 6.30 | 3.00 | 6.32 | 7.10 | 1.86 | 986.86 | 268.25 |
| 50000 | -10 | 00 | 00 | -2.30 | 935.00 | 7.08 | 3.23 | 7.12 | 7.10 | 1.99 | 1253.61 | 350.91 |
| 50000 | -10 | 00 | 00 | -2.30 | 1660.00 | 8.93 | 3.98 | 8.95 | 6.74 | 2.22 | 2223.05 | 639.25 |
| 10100 | 185.00 | 00 | 00 | .64 | 305.00 | 8.12 | 4.57 | 8.25 | 31.27 | 3.11 | 174.73 | 54.54 |
| 10100 | 185.00 | 00 | 00 | .64 | 625.00 | 9.82 | 6.47 | 9.97 | 31.92 | 3.75 | 405.43 | 110.63 |
| 10100 | 185.00 | 00 | 00 | .64 | 820.00 | 10.53 | 7.60 | 10.68 | 31.13 | 3.94 | 540.55 | 146.97 |
| 10100 | 185.00 | 00 | 00 | .64 | 1460.00 | 12.18 | 9.08 | 12.31 | 29.22 | 4.32 | 988.53 | 270.10 |
| 10200 | 100.00 | 00 | 00 | .64 | 305.00 | 8.43 | 4.56 | 8.61 | 35.61 | 3.44 | 286.67 | 51.11 |
| 10200 | 100.00 | 00 | 00 | .64 | 625.00 | 10.14 | 6.26 | 10.26 | 24.63 | 3.39 | 461.85 | 125.93 |
| 10200 | 100.00 | 00 | 00 | .64 | 820.00 | 10.85 | 7.01 | 10.96 | 24.36 | 3.58 | 612.19 | 166.87 |
| 10200 | 100.00 | 00 | 00 | .64 | 1460.00 | 12.48 | 9.38 | 12.58 | 23.62 | 3.97 | 1095.42 | 300.39 |
| 10300 | 50.00 | 00 | 00 | .64 | 305.00 | 8.77 | 9.00 | 8.93 | 19.60 | 3.25 | 93.73 | 56.06 |
| 10300 | 50.00 | 00 | 00 | .64 | 625.00 | 10.58 | 0.00 | 10.66 | 17.43 | 2.96 | 550.82 | 149.70 |
| 10300 | 50.00 | 00 | 00 | .64 | 820.00 | 11.74 | 9.00 | 11.74 | 21.00 | 3.37 | 660.32 | 178.95 |
| 10300 | 50.00 | 00 | 00 | .64 | 1460.00 | 12.52 | 0.00 | 12.62 | 22.93 | 3.92 | 1111.45 | 304.92 |
| 10400 | 50.00 | 00 | 00 | .64 | 305.00 | 8.99 | 4.58 | 9.06 | 14.92 | 2.37 | 277.50 | 78.95 |
| 10400 | 50.00 | 00 | 00 | .64 | 625.00 | 10.67 | 6.47 | 10.74 | 16.15 | 2.87 | 572.73 | 155.54 |
| 10400 | 50.00 | 00 | 00 | .64 | 820.00 | 11.15 | 7.60 | 11.24 | 19.30 | 3.26 | 689.09 | 186.67 |
| 10400 | 50.00 | 00 | 00 | .64 | 1460.00 | 12.64 | 9.27 | 12.73 | 21.15 | 3.79 | 1155.98 | 317.47 |
| 20000 | 1775.00 | 00 | 00 | 3.81 | 305.00 | 11.19 | 6.90 | 11.14 | 9.65 | 1.79 | 245.98 | 98.18 |
| 20000 | 1775.00 | 00 | 00 | 3.81 | 625.00 | 12.87 | 8.22 | 12.93 | 9.97 | 2.24 | 552.11 | 197.97 |
| 20000 | 1775.00 | 00 | 00 | 3.81 | 820.00 | 13.58 | 8.85 | 13.65 | 10.44 | 2.46 | 717.77 | 253.75 |
| 20000 | 1775.00 | 00 | 00 | 3.81 | 1460.00 | 15.24 | 10.60 | 15.37 | 11.40 | 2.96 | 1197.05 | 432.43 |
| 30100 | 100.00 | 00 | 00 | 14.10 | 305.00 | 18.35 | 16.41 | 18.55 | 67.33 | 3.60 | 84.77 | 37.17 |
| 30100 | 100.00 | 00 | 00 | 14.10 | 625.00 | 20.10 | 17.61 | 20.46 | 67.75 | 4.80 | 132.36 | 75.93 |
| 30100 | 100.00 | 00 | 00 | 14.10 | 820.00 | 20.94 | 18.20 | 21.39 | 69.22 | 5.38 | 156.65 | 98.56 |
| 30100 | 100.00 | 00 | 00 | 14.10 | 1460.00 | 23.12 | 19.70 | 23.86 | 75.33 | 5.93 | 223.68 | 168.22 |
| 30200 | 100.00 | 00 | 00 | 14.10 | 305.00 | 19.36 | 17.99 | 20.19 | 197.17 | 7.30 | 41.79 | 21.22 |
| 30200 | 100.00 | 00 | 00 | 14.10 | 625.00 | 21.09 | 26.05 | 21.62 | 138.23 | 7.98 | 138.65 | 53.15 |
| 30200 | 100.00 | 00 | 00 | 14.10 | 820.00 | 21.86 | 28.00 | 22.62 | 146.89 | 8.37 | 164.68 | 67.84 |
| 30200 | 100.00 | 00 | 00 | 14.10 | 1460.00 | 24.11 | 21.61 | 25.26 | 164.18 | 10.66 | 261.63 | 113.94 |
| 30300 | 50.00 | 00 | 00 | 14.10 | 305.00 | 22.75 | 0.00 | 23.03 | 31.67 | 4.40 | 72.32 | 54.20 |
| 30300 | 50.00 | 00 | 00 | 14.10 | 625.00 | 24.28 | 0.00 | 24.47 | 27.30 | 4.40 | 323.96 | 119.61 |
| 30300 | 50.00 | 00 | 00 | 14.10 | 820.00 | 24.30 | 0.00 | 24.52 | 46.51 | 5.74 | 331.42 | 120.23 |
| 30300 | 50.00 | 00 | 00 | 14.10 | 1460.00 | 24.13 | 0.00 | 25.26 | 162.30 | 10.60 | 269.09 | 114.71 |

| SECNO | XLCH | ELTRD | ELLC | ELWIN | G | CKSCL | CRINS | EG | 10X+S | VCH | AREA | ADIK |
|-------|-------|-------|------|-------|--------|-------|-------|-------|-------|------|---------|--------|
| 3.41 | 5.661 | 14 | 00 | 14.14 | 395.00 | 23.10 | 16.35 | 23.13 | 3.24 | 1.44 | 225.63 | 169.01 |
| 3.42 | 5.661 | 14 | 00 | 14.14 | 625.00 | 24.47 | 17.54 | 24.56 | 7.47 | 2.42 | 449.70 | 228.61 |
| 3.43 | 5.661 | 14 | 00 | 14.14 | 520.00 | 24.63 | 18.12 | 24.77 | 11.50 | 3.04 | 552.55 | 243.78 |
| 3.44 | 5.661 | 14 | 00 | 14.14 | 146.00 | 25.54 | 19.62 | 25.70 | 15.31 | 3.84 | 1367.09 | 361.49 |
| 4.1 | 3.000 | 14 | 00 | 15.7 | 305.00 | 23.27 | 18.57 | 23.33 | 9.10 | 2.09 | 303.99 | 101.12 |
| 4.2 | 3.000 | 14 | 00 | 15.7 | 625.00 | 24.74 | 19.87 | 24.78 | 7.03 | 2.10 | 1096.11 | 235.73 |
| 4.3 | 3.000 | 14 | 00 | 15.7 | 625.00 | 25.33 | 20.52 | 25.08 | 8.80 | 2.41 | 1308.46 | 276.46 |
| 4.4 | 3.000 | 14 | 00 | 15.7 | 146.00 | 26.01 | 22.34 | 26.04 | 7.87 | 2.46 | 1361.75 | 520.53 |
| 4.2 | 1.000 | 14 | 00 | 15.7 | 305.00 | 23.45 | 19.26 | 23.47 | 19.40 | 2.72 | 339.97 | 71.11 |
| 4.3 | 1.000 | 14 | 00 | 15.7 | 625.00 | 24.84 | 21.16 | 24.87 | 9.98 | 2.27 | 1144.09 | 197.88 |
| 4.4 | 1.000 | 14 | 00 | 15.7 | 625.00 | 25.15 | 23.30 | 25.18 | 11.45 | 2.48 | 1416.54 | 242.36 |
| 4.2 | 1.000 | 14 | 00 | 15.7 | 146.00 | 26.11 | 24.01 | 26.12 | 9.52 | 2.30 | 3442.87 | 500.11 |
| 4.3 | 1.000 | 14 | 00 | 15.7 | 305.00 | 23.49 | 18.57 | 23.47 | 19.39 | 2.72 | 340.05 | 71.12 |
| 4.4 | 1.000 | 14 | 00 | 15.7 | 625.00 | 24.85 | 21.16 | 24.87 | 9.92 | 2.26 | 1147.31 | 198.48 |
| 4.2 | 1.000 | 14 | 00 | 15.7 | 625.00 | 25.16 | 23.30 | 25.19 | 11.36 | 2.48 | 1422.97 | 243.25 |
| 4.3 | 1.000 | 14 | 00 | 15.7 | 146.00 | 26.11 | 24.01 | 26.15 | 8.45 | 2.29 | 3456.80 | 502.18 |
| 4.4 | 1.000 | 14 | 00 | 15.7 | 305.00 | 23.49 | 18.57 | 23.53 | 7.18 | 1.90 | 397.74 | 113.84 |
| 4.4 | 1.000 | 14 | 00 | 15.7 | 625.00 | 24.88 | 19.87 | 24.91 | 5.99 | 1.97 | 1194.02 | 255.33 |
| 4.4 | 1.000 | 14 | 00 | 15.7 | 620.00 | 25.21 | 20.54 | 25.23 | 7.18 | 2.21 | 1500.35 | 306.13 |
| 4.6 | 1.000 | 14 | 00 | 15.7 | 146.00 | 26.15 | 22.31 | 26.17 | 6.35 | 2.23 | 3559.11 | 579.61 |
| 5.1 | 1.000 | 14 | 00 | 15.7 | 305.00 | 25.98 | 23.72 | 26.03 | 20.57 | 2.42 | 327.70 | 67.25 |
| 5.2 | 1.000 | 14 | 00 | 15.7 | 625.00 | 27.21 | 25.17 | 27.27 | 20.35 | 2.82 | 633.65 | 139.57 |
| 5.3 | 1.000 | 14 | 00 | 15.7 | 820.00 | 27.71 | 25.53 | 27.77 | 20.91 | 3.05 | 782.01 | 179.34 |
| 5.4 | 1.000 | 14 | 00 | 15.7 | 146.00 | 28.86 | 26.23 | 28.94 | 24.21 | 3.69 | 1174.04 | 296.73 |
| 6.1 | 1.000 | 14 | 00 | 15.7 | 305.00 | 35.11 | 32.99 | 35.11 | 36.74 | 3.15 | 273.35 | 50.32 |
| 6.2 | 1.000 | 14 | 00 | 15.7 | 625.00 | 35.97 | 34.64 | 36.05 | 35.91 | 3.51 | 625.07 | 104.29 |
| 6.3 | 1.000 | 14 | 00 | 15.7 | 820.00 | 36.38 | 34.97 | 36.45 | 34.55 | 3.60 | 813.74 | 139.51 |
| 6.4 | 1.000 | 14 | 00 | 15.7 | 146.00 | 37.41 | 35.80 | 37.47 | 30.50 | 3.74 | 1459.76 | 264.36 |
| 7.1 | 1.000 | 14 | 00 | 15.9 | 305.00 | 38.77 | 35.45 | 39.63 | 51.28 | 4.40 | 125.74 | 42.59 |
| 7.2 | 1.000 | 14 | 00 | 15.9 | 625.00 | 39.49 | 35.04 | 40.09 | 55.61 | 5.08 | 499.70 | 83.81 |
| 7.3 | 1.000 | 14 | 00 | 15.9 | 820.00 | 40.23 | 35.66 | 40.41 | 55.17 | 5.21 | 721.70 | 110.40 |
| 7.4 | 1.000 | 14 | 00 | 15.9 | 146.00 | 40.96 | 40.25 | 41.06 | 51.73 | 5.34 | 1380.09 | 202.98 |
| 7.2 | 1.000 | 14 | 00 | 15.9 | 305.00 | 39.37 | 36.63 | 39.51 | 46.74 | 4.42 | 250.93 | 44.61 |
| 7.3 | 1.000 | 14 | 00 | 15.9 | 625.00 | 40.46 | 39.43 | 40.51 | 28.62 | 3.72 | 896.18 | 118.08 |
| 7.4 | 1.000 | 14 | 00 | 15.9 | 820.00 | 40.77 | 39.74 | 40.81 | 27.49 | 3.76 | 1175.90 | 156.38 |
| 7.5 | 1.000 | 14 | 00 | 15.9 | 146.00 | 41.44 | 40.21 | 41.47 | 27.63 | 3.95 | 1380.14 | 277.74 |
| 7.4 | 1.000 | 14 | 00 | 15.9 | 305.00 | 39.37 | 36.63 | 39.51 | 46.78 | 4.42 | 250.72 | 44.59 |
| 7.5 | 1.000 | 14 | 00 | 15.9 | 625.00 | 40.46 | 39.43 | 40.51 | 29.03 | 3.72 | 895.97 | 118.05 |
| 7.6 | 1.000 | 14 | 00 | 15.9 | 820.00 | 40.77 | 39.74 | 40.81 | 27.56 | 3.77 | 1175.74 | 156.36 |
| 7.7 | 1.000 | 14 | 00 | 15.9 | 146.00 | 41.44 | 40.21 | 41.48 | 27.16 | 3.92 | 1395.61 | 280.17 |

| SECNO | XLCH | ELTRD | ELLC | ELMIN | Q | CHSEL | CRHS | EG | 10K+S | VCH | AREA | 0JK |
|-------|------|-------|------|-------|---------|-------|-------|-------|-------|------|---------|--------|
| 7-43 | 5300 | 0 | 0 | 30.98 | 305.97 | 39.63 | 36.69 | 39.72 | 30.29 | 3.63 | 359.14 | 55.42 |
| 7-43 | 5400 | 0 | 0 | 36.97 | 625.86 | 40.60 | 39.42 | 40.64 | 21.72 | 3.31 | 1017.06 | 139.11 |
| 7-43 | 5100 | 0 | 0 | 30.90 | 820.00 | 40.91 | 39.74 | 40.94 | 21.42 | 3.36 | 1317.67 | 177.16 |
| 7-43 | 5100 | 0 | 0 | 30.90 | 1460.00 | 41.58 | 40.22 | 41.60 | 21.89 | 3.55 | 2196.77 | 312.07 |

AR FLOOD

SUMMARY PRINTOUT TABLE 100

| STENO | U | CASEL | DIFPSX | DIFMSX | DIFKMS | TOPWID | XLCH |
|-------|-------|-------|--------|--------|--------|--------|---------|
| 5.000 | 35.00 | 4.7 | 0.0 | 0.0 | 0.0 | 233.53 | -0.0 |
| 5.000 | 7.19 | 6.37 | 1.68 | 0.0 | 0.0 | 250.60 | -0.0 |
| 5.000 | 4.56 | 7.26 | .78 | 0.0 | 0.0 | 498.21 | -0.0 |
| 5.000 | 1.25 | 8.95 | 1.85 | 0.0 | 0.0 | 617.11 | -0.0 |
| 1.10 | 3.05 | 8.12 | 0.0 | 3.42 | 0.0 | 190.47 | 1850.00 |
| 1.01 | 2.25 | 9.52 | 1.70 | 3.52 | 0.0 | 170.16 | 1850.00 |
| 1.01 | 2.15 | 11.53 | .71 | 3.45 | 0.0 | 216.28 | 1850.00 |
| 1.01 | 1.65 | 12.18 | 1.65 | 3.25 | 0.0 | 340.26 | 1850.00 |
| 1.02 | 3.05 | 8.47 | 0.0 | .31 | 0.0 | 15.00 | 100.00 |
| 1.02 | 2.25 | 10.14 | 1.72 | .32 | 0.0 | 190.78 | 100.00 |
| 1.02 | 4.27 | 10.88 | .73 | .31 | 0.0 | 237.12 | 100.00 |
| 1.02 | 1.63 | 12.46 | 1.63 | .32 | 0.0 | 372.40 | 100.00 |
| 1.03 | 3.05 | 8.77 | 0.0 | .34 | 0.0 | 15.00 | 50.00 |
| 1.03 | 2.25 | 11.54 | 1.81 | .47 | 0.0 | 219.39 | 50.00 |
| 1.03 | 4.27 | 11.94 | .47 | .20 | 0.0 | 250.15 | 50.00 |
| 1.03 | 1.63 | 12.52 | 1.47 | .04 | 0.0 | 376.98 | 50.00 |
| 1.04 | 3.05 | 8.59 | 0.0 | .23 | 0.0 | 135.56 | 50.00 |
| 1.04 | 2.25 | 11.67 | 1.68 | .80 | 0.0 | 225.88 | 50.00 |
| 1.04 | 4.27 | 11.17 | .49 | .11 | 0.0 | 257.62 | 50.00 |
| 1.04 | 1.63 | 12.64 | 1.48 | .12 | 0.0 | 389.43 | 50.00 |
| 2.01 | 3.05 | 11.00 | 0.0 | 2.17 | 0.0 | 132.62 | 1775.00 |
| 2.01 | 2.25 | 12.87 | 1.78 | 2.22 | 0.0 | 213.90 | 1775.00 |
| 2.01 | 4.27 | 13.54 | .71 | 2.42 | 0.0 | 246.97 | 1775.00 |
| 2.01 | 1.63 | 15.12 | 1.79 | 2.64 | 0.0 | 311.61 | 1775.00 |
| 3.01 | 3.05 | 10.39 | 0.0 | 7.26 | 0.0 | 26.15 | 1914.00 |
| 3.01 | 2.25 | 12.03 | 1.70 | 7.23 | 0.0 | 28.34 | 1914.00 |
| 3.01 | 4.27 | 11.58 | .64 | 7.36 | 0.0 | 29.37 | 1914.00 |
| 3.01 | 1.63 | 13.12 | 1.79 | 7.64 | 0.0 | 32.85 | 1914.00 |
| 3.02 | 3.05 | 10.39 | 0.0 | 1.91 | 0.0 | 9.00 | 100.00 |
| 3.02 | 2.25 | 12.11 | 1.64 | .98 | 0.0 | 29.73 | 100.00 |
| 3.02 | 4.27 | 11.58 | .65 | .90 | 0.0 | 30.79 | 100.00 |
| 3.02 | 1.63 | 14.11 | 1.25 | .99 | 0.0 | 275.26 | 100.00 |
| 4.01 | 3.05 | 12.79 | 0.0 | 3.29 | 0.0 | 3.00 | 56.00 |
| 4.01 | 2.25 | 14.24 | 1.17 | 3.28 | 0.0 | 475.39 | 56.00 |
| 4.01 | 4.27 | 14.53 | .61 | 2.43 | 0.0 | 493.93 | 56.00 |
| 4.01 | 1.63 | 16.13 | 1.17 | 1.12 | 0.0 | 376.13 | 56.00 |

| SECNO | Q | CVSEL | DIFWSP | DIFWSX | DIFKLS | TCPVID | KLCH |
|-------|---------|-------|--------|--------|--------|---------|---------|
| 3.400 | 335.00 | 23.10 | 0.0 | .35 | 0. | 32.02 | 50.00 |
| 3.400 | 625.00 | 24.47 | 1.37 | .19 | 0. | 593.11 | 50.00 |
| 3.400 | 820.00 | 24.63 | .16 | .34 | 0. | 680.22 | 50.00 |
| 3.400 | 1463.00 | 25.54 | .90 | 1.41 | 0. | 1054.69 | 50.00 |
| 4.100 | 305.00 | 23.27 | 0. | .17 | 0. | 392.99 | 300.00 |
| 4.100 | 625.00 | 24.74 | 1.48 | .27 | 0. | 663.45 | 300.00 |
| 4.100 | 820.00 | 25.03 | .29 | .46 | 0. | 935.38 | 300.00 |
| 4.100 | 1463.00 | 26.01 | .98 | .47 | 0. | 2850.00 | 300.00 |
| 4.200 | 305.00 | 23.40 | 0. | .13 | 0. | 424.83 | 100.00 |
| 4.200 | 625.00 | 24.84 | 1.45 | .10 | 0. | 600.19 | 100.00 |
| 4.200 | 820.00 | 25.15 | .31 | .12 | 0. | 1166.14 | 100.00 |
| 4.200 | 1463.00 | 26.11 | .95 | .10 | 0. | 2850.00 | 100.00 |
| 4.300 | 305.00 | 23.41 | 0. | .09 | 0. | 424.88 | 80.00 |
| 4.300 | 625.00 | 24.85 | 1.45 | .00 | 0. | 681.00 | 80.00 |
| 4.300 | 820.00 | 25.12 | .31 | .11 | 0. | 1176.57 | 80.00 |
| 4.300 | 1463.00 | 26.11 | .96 | .01 | 0. | 2850.00 | 80.00 |
| 4.400 | 305.00 | 23.49 | 0. | .09 | 0. | 447.19 | 50.00 |
| 4.400 | 625.00 | 24.88 | 1.44 | .04 | 0. | 688.28 | 50.00 |
| 4.400 | 820.00 | 25.20 | .32 | .04 | 0. | 1270.67 | 50.00 |
| 4.400 | 1463.00 | 26.15 | .95 | .01 | 0. | 2850.00 | 50.00 |
| 5.000 | 305.00 | 25.90 | 0. | 2.49 | 0. | 209.71 | 1800.00 |
| 5.000 | 625.00 | 27.21 | 1.23 | 2.32 | 0. | 284.98 | 1800.00 |
| 5.000 | 820.00 | 27.71 | .52 | 2.51 | 0. | 312.97 | 1800.00 |
| 5.000 | 1463.00 | 28.89 | 1.05 | 2.71 | 0. | 368.67 | 1800.00 |
| 6.000 | 305.00 | 35.11 | 0. | 9.03 | 0. | 238.23 | 3200.00 |
| 6.000 | 625.00 | 35.97 | .96 | 8.76 | 0. | 444.47 | 3200.00 |
| 6.000 | 820.00 | 36.38 | .41 | 8.67 | 0. | 491.60 | 3200.00 |
| 6.000 | 1463.00 | 37.41 | 1.93 | 9.55 | 0. | 630.36 | 3200.00 |
| 7.100 | 305.00 | 38.77 | 0. | 3.75 | 0. | 39.69 | 875.00 |
| 7.100 | 625.00 | 39.89 | 1.12 | 3.92 | 0. | 578.44 | 875.00 |
| 7.100 | 820.00 | 41.23 | .34 | 3.85 | 0. | 725.94 | 875.00 |
| 7.100 | 1463.00 | 41.46 | .73 | 3.55 | 0. | 1110.24 | 875.00 |
| 7.200 | 305.00 | 39.37 | 0. | .61 | 0. | 352.77 | 100.00 |
| 7.200 | 625.00 | 40.48 | 1.09 | .57 | 0. | 632.29 | 100.00 |
| 7.200 | 820.00 | 40.77 | .21 | .54 | 0. | 989.15 | 100.00 |
| 7.200 | 1463.00 | 41.00 | .67 | .48 | 0. | 1418.27 | 100.00 |
| 7.300 | 305.00 | 39.37 | 0. | .00 | 0. | 352.52 | 70.00 |
| 7.300 | 625.00 | 41.49 | 1.03 | .00 | 0. | 632.17 | 70.00 |
| 7.300 | 820.00 | 41.77 | .31 | .00 | 0. | 989.05 | 70.00 |
| 7.300 | 1463.00 | 41.47 | .50 | .01 | 0. | 1425.26 | 70.00 |

| SECNO | 0 | CWSEL | DIFMSP | DIFMSX | DIFKMS | TOPWID | XLCH |
|-------|---------|-------|--------|--------|--------|---------|-------|
| 7400 | 305.00 | 39.63 | 0. | .27 | 0. | 467.15 | 50.00 |
| 7401 | 625.00 | 40.60 | .97 | .14 | 0. | 897.78 | 50.00 |
| 7402 | 520.00 | 40.91 | .30 | .14 | 0. | 1077.28 | 50.00 |
| 7403 | 1460.00 | 41.58 | .67 | .13 | 0. | 1513.20 | 50.00 |

FLOODWAY DATA, AR FLOOD
PROFILE NO. 2

| STATION | WIDTH | FLOODWAY SECTION AREA | MEAN VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|---------|-------|-----------------------|---------------|---------------------------------------|--|------------|
| 5+000 | 251 | 387 | 1.7 | 6.3 | 4.7 | 1.6 |
| 1+100 | 172 | 495 | 1.5 | 9.0 | 8.1 | 1.0 |
| 1+270 | 191 | 462 | 1.4 | 10.1 | 8.4 | 1.7 |
| 1+300 | 219 | 551 | 1.1 | 10.6 | 6.8 | 1.8 |
| 1+470 | 276 | 571 | 1.1 | 12.7 | 9.0 | 1.7 |
| 2+000 | 227 | 552 | 1.1 | 12.9 | 11.1 | 1.8 |
| 3+100 | 201 | 132 | 4.7 | 20.1 | 18.4 | 1.7 |
| 3+200 | 31 | 139 | 4.5 | 21.0 | 19.4 | 1.6 |
| 3+300 | 475 | 324 | 1.9 | 24.5 | 22.8 | 1.5 |
| 3+400 | 393 | 451 | 1.4 | 24.5 | 23.1 | 1.4 |
| 4+100 | 603 | 1035 | 1.6 | 24.8 | 23.3 | 1.5 |
| 4+200 | 681 | 1144 | 1.5 | 24.8 | 23.4 | 1.4 |
| 4+300 | 681 | 1147 | 1.5 | 24.9 | 23.4 | 1.5 |
| 4+400 | 685 | 1194 | 1.5 | 24.9 | 23.5 | 1.4 |
| 5+000 | 205 | 634 | 1.1 | 27.2 | 26.3 | 1.0 |
| 6+000 | 444 | 625 | 1.0 | 36.0 | 35.2 | 1.0 |
| 7+100 | 578 | 500 | 1.3 | 39.0 | 38.6 | 1.1 |
| 7+200 | 832 | 996 | 1.7 | 40.5 | 39.4 | 1.1 |
| 7+300 | 822 | 995 | 1.7 | 40.5 | 39.4 | 1.1 |
| 7+400 | 652 | 1017 | 1.6 | 41.6 | 39.6 | 1.0 |

FLOODWAY DATA, AIR FLOOD
PROFILE NO. 3

| STATION | FLOODWAY WITHIN SECTION AREA | | MEAN VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | | WATER SURFACE ELEVATION WITHOUT FLOODWAY | | DIFFERENCE |
|---------|------------------------------|------|---------------|---------------------------------------|----------|--|----------|------------|
| | AREA | AREA | | FLOODWAY | FLOODWAY | FLOODWAY | FLOODWAY | |
| 5+000 | 569 | 1254 | 1.7 | 7.1 | 4.7 | 2.4 | 2.4 | |
| 1+100 | 216 | 541 | 1.5 | 10.5 | 8.1 | 2.4 | 2.4 | |
| 1+200 | 237 | 517 | 1.3 | 10.8 | 8.4 | 2.4 | 2.4 | |
| 1+300 | 258 | 467 | 1.2 | 11.1 | 8.7 | 2.4 | 2.4 | |
| 1+400 | 285 | 389 | 1.2 | 11.2 | 8.8 | 2.4 | 2.4 | |
| 2+000 | 253 | 712 | 1.1 | 13.6 | 11.1 | 2.5 | 2.5 | |
| 3+000 | 39 | 157 | 1.2 | 11.0 | 18.4 | 2.6 | 2.6 | |
| 3+200 | 51 | 164 | 1.2 | 11.9 | 19.4 | 2.5 | 2.5 | |
| 3+300 | 40 | 131 | 1.2 | 10.3 | 22.8 | 1.5 | 1.5 | |
| 3+400 | 67 | 53 | 1.5 | 24.5 | 23.1 | 1.5 | 1.5 | |
| 4+000 | 93 | 13.8 | 1.6 | 25.1 | 23.3 | 1.8 | 1.8 | |
| 4+200 | 117 | 141 | 1.5 | 25.2 | 23.4 | 1.8 | 1.8 | |
| 4+300 | 117 | 142 | 1.6 | 25.2 | 23.4 | 1.8 | 1.8 | |
| 4+400 | 127 | 151 | 1.5 | 25.2 | 23.5 | 1.7 | 1.7 | |
| 5+000 | 313 | 782 | 1.2 | 27.7 | 26.0 | 1.7 | 1.7 | |
| 6+000 | 492 | 514 | 1.3 | 26.4 | 35.0 | 1.4 | 1.4 | |
| 7+000 | 716 | 722 | 1.1 | 48.3 | 31.8 | 1.5 | 1.5 | |
| 7+200 | 909 | 1176 | 1.7 | 48.9 | 39.4 | 1.4 | 1.4 | |
| 7+300 | 989 | 1176 | 1.7 | 48.9 | 39.4 | 1.4 | 1.4 | |
| 7+400 | 1077 | 1319 | 1.5 | 43.9 | 33.6 | 1.3 | 1.3 | |

FLOODWAY DATA - AK FLOW
 PROFILE NO. 4

| STATION | DEPTH | SECTION AREA | FLOODWAY VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|---------|-------|--------------|-------------------|---------------------------------------|--|------------|
| 1+1 | 3.00 | 951 | 1.5 | 12.0 | 8.1 | 4.2 |
| 1+2 | 3.00 | 1000 | 1.3 | 12.4 | 8.4 | 4.0 |
| 1+3 | 3.00 | 1111 | 1.3 | 12.6 | 8.8 | 3.8 |
| 1+4 | 3.00 | 1250 | 1.3 | 12.8 | 9.0 | 3.6 |
| 2+1 | 3.00 | 1400 | 1.3 | 13.1 | 11.1 | 4.2 |
| 3+1 | 3.00 | 1550 | 1.3 | 13.4 | 13.4 | 4.8 |
| 3+2 | 3.00 | 1700 | 1.3 | 13.7 | 17.4 | 4.8 |
| 3+3 | 3.00 | 1850 | 1.3 | 14.0 | 24.2 | 1.4 |
| 3+4 | 3.00 | 2000 | 1.3 | 14.3 | 28.8 | 2.4 |
| 4+1 | 3.00 | 2150 | 1.3 | 14.6 | 23.1 | 2.7 |
| 4+2 | 3.00 | 2300 | 1.3 | 14.9 | 23.3 | 2.7 |
| 4+3 | 3.00 | 2450 | 1.3 | 15.2 | 27.4 | 2.7 |
| 4+4 | 3.00 | 2600 | 1.3 | 15.5 | 26.1 | 2.7 |
| 5+1 | 3.00 | 2750 | 1.3 | 15.8 | 26.2 | 2.7 |
| 5+2 | 3.00 | 2900 | 1.3 | 16.1 | 28.9 | 2.4 |
| 5+3 | 3.00 | 3050 | 1.3 | 16.4 | 35.1 | 2.4 |
| 7+1 | 3.00 | 3200 | 1.3 | 16.7 | 34.8 | 2.1 |
| 7+2 | 3.00 | 3350 | 1.3 | 17.0 | 39.4 | 2.1 |
| 7+3 | 3.00 | 3500 | 1.3 | 17.3 | 39.4 | 2.1 |
| 7+4 | 3.00 | 3650 | 1.3 | 17.6 | 36.0 | 1.9 |

| | | | | | | | | | | | | |
|----|--------|-------|--------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
| X1 | 1.200 | -0. | -0. | 100.000 | 100.000 | 100.000 | 100.000 | -0. | -0. | -0. | -0. | -0. |
| X3 | 18.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | 9.000 | 9.000 | 9.000 | -0. |
| SH | 1.000 | 1.700 | 2.000 | 15.000 | 1.000 | 1.000 | 70.000 | 1.000 | -0. | 1.000 | 1.000 | 1.000 |
| X1 | 1.000 | 0. | 0. | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | -0. | -0. | -0. | -0. |
| X2 | 1.000 | 0. | 6.000 | 9.600 | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |
| X3 | 1.000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9.600 | 9.600 | 9.600 | 0. |
| BT | 7.000 | 0. | 16.300 | 100.000 | 13.800 | 13.800 | 0. | 0. | 300.000 | 300.000 | 9.800 | 0. |
| BT | 4.000 | 0. | 5.000 | 11.800 | 0. | 0. | 700.000 | 15.300 | -0. | -0. | -0. | 800.000 |
| BT | 16.000 | 0. | 0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| X1 | 1.000 | -0. | -0. | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | -0. | -0. | -0. | -0. |
| UC | 0. | 0. | 0.100 | 0.300 | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |
| LT | 0. | 0. | 0. | 0. | 10.400 | 10.400 | 0. | 0. | -0. | -0. | -0. | -0. |
| X1 | 2.000 | 3.000 | 3.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | -0. | -0. | -0. | -0. |
| GR | 18.000 | 0. | 18.000 | 14.600 | 200.000 | 200.000 | 9.700 | 330.000 | 14.200 | 14.200 | 364.000 | 364.000 |
| GR | 4.000 | 3.000 | 5.000 | 3.000 | 384.000 | 384.000 | 4.000 | 385.000 | 3.800 | 3.800 | 388.000 | 388.000 |
| GR | 4.000 | 3.000 | 4.000 | 7.600 | 400.000 | 400.000 | 9.500 | 406.000 | 10.300 | 10.300 | 447.000 | 447.000 |
| GR | 2.000 | 5.000 | 10.000 | 18.000 | 655.000 | 655.000 | 18.500 | 700.000 | 18.700 | 18.700 | 800.000 | 800.000 |
| X1 | 3.000 | 1.000 | 3.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | -0. | -0. | -0. | -0. |
| GR | 25.000 | 0. | 24.000 | 23.900 | 382.000 | 382.000 | 18.400 | 384.000 | 14.400 | 14.400 | 390.000 | 390.000 |
| GR | 14.000 | 3.000 | 14.000 | 14.100 | 402.000 | 402.000 | 14.100 | 405.000 | 18.100 | 18.100 | 410.000 | 410.000 |
| GR | 23.000 | 4.000 | 24.000 | 24.300 | 800.000 | 800.000 | 0. | 0. | -0. | -0. | -0. | -0. |
| UC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |
| X1 | 1.000 | 1.000 | 3.000 | 100.000 | 100.000 | 100.000 | 100.000 | 100.000 | -0. | -0. | -0. | -0. |
| X3 | 1.000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.000 | 20.000 | 20.000 | 0. |
| GR | 25.000 | 0. | 24.000 | 23.900 | 382.000 | 382.000 | 16.400 | 384.000 | 16.400 | 16.400 | 393.500 | 393.500 |
| GR | 14.000 | 3.000 | 14.000 | 14.100 | 402.000 | 402.000 | 16.400 | 407.000 | 18.100 | 18.100 | 410.000 | 410.000 |
| GR | 23.000 | 4.000 | 24.000 | 24.300 | 800.000 | 800.000 | 26.000 | 1150.000 | 0. | 0. | 0. | 0. |
| Sb | 0. | 0. | 0. | 6.000 | 1.000 | 1.000 | 25.100 | 0. | 14.400 | 14.400 | 14.400 | 14.400 |
| X1 | 5.000 | 0. | 0. | 56.000 | 56.000 | 56.000 | 56.000 | 56.000 | -0. | -0. | -0. | -0. |
| X2 | 0. | 0. | 16.000 | 23.900 | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |
| X3 | 1.000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.900 | 23.900 | 23.900 | 0. |
| BT | 4.000 | 0. | 25.000 | 400.000 | 23.900 | 23.900 | 0. | 800.000 | 24.300 | 24.300 | 0. | 0. |
| BT | 15.000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |
| X1 | 5.000 | 1.000 | 5.000 | 56.000 | 56.000 | 56.000 | 56.000 | 56.000 | -0. | -0. | -0. | -0. |
| GR | 25.000 | 0. | 24.000 | 23.900 | 382.000 | 382.000 | 18.400 | 384.000 | 14.400 | 14.400 | 389.000 | 389.000 |
| GR | 14.000 | 3.000 | 14.000 | 14.100 | 402.000 | 402.000 | 14.100 | 405.000 | 18.100 | 18.100 | 410.000 | 410.000 |
| GR | 23.000 | 4.000 | 24.000 | 24.300 | 800.000 | 800.000 | 0. | 1150.000 | 0. | 0. | 0. | 0. |
| UC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0. | -0. | -0. | -0. |

THIS RUN EXECUTED 05 FEB 82 10.24.23

 HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980
 ERROR CORR - 91,92,93,94
 MODIFICATION - 59,51,52,53,54

T1 SANDY RIVER
 T2 JACKSONVILLE, NORTH CAROLINA
 T3 FLODDERY

| J1 | ICHECK | IM4 | IMPV | IMIP | STRT | METRIC | HVINS | 0 | WSEL | FG |
|----|--------|-----|------|------|------|--------|-------|---|-------|-----|
| | | | | | | | | | 8.080 | -0. |

| J2 | MPROP | IMIGT | PRFVS | XSECV | XSECH | FM | ALDGS | IBW | CHNIM | ITRACE |
|--------|-------|-------|--------|-------|-------|-----|--------|-----|-------|--------|
| 15.000 | | | -1.000 | | | -0. | -1.000 | -9. | -0. | -0. |

INLEG = 1, THEREFORE FRICTION LOSS (ML) IS CALCULATED AS A FUNCTION OF
 PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR
 DETAILS.

THIS RUN EXECUTED 05 FEB 82 10:24:24

 HEC2 RELEASE RATED NOV 76 UPDATED APR1 1982
 ERROR CORR - 81,02, 31.4
 MODIFICATION - 5, 11, 15, 13, 54

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

FLOOD

SUMMARY PRINTOUT TABLE 111

| SECTO | CASEL | WFKRS | EQ | TOPPID | QLOB | QCH | QROB | PERENC | STEVCL | STCHL | STCHR | STENCR |
|-------|-------|-------|-------|---------|--------|--------|--------|--------|---------|---------|---------|---------|
| 5:011 | 7:09 | 0. | 7:1 | 4:08:21 | 248:63 | 395:80 | 380:58 | 0. | 0. | 781:00 | 800:00 | 0. |
| 5:010 | 8:18 | 1:00 | 6:11 | 1:62:57 | 225:23 | 378:15 | 339:62 | .28 | 718:64 | 781:00 | 800:00 | 881:21 |
| 1:101 | 10:03 | 0. | 11:65 | 2:16:28 | 216:61 | 473:52 | 129:87 | 0. | 0. | 392:50 | 407:50 | 0. |
| 1:010 | 11:45 | 0.56 | 11:63 | 59:01 | 212:39 | 571:89 | 35:73 | .29 | 355:48 | 392:50 | 407:50 | 414:49 |
| 1:201 | 10:55 | 0. | 11:90 | 0:37:12 | 235:47 | 446:95 | 137:57 | 0. | 0. | 392:50 | 407:50 | 0. |
| 1:201 | 11:02 | 0.98 | 11:09 | 67:77 | 237:70 | 534:71 | 47:60 | .28 | 348:89 | 392:50 | 407:50 | 416:67 |
| 1:301 | 11:04 | 0. | 11:10 | 0:50:15 | 240:66 | 431:31 | 142:03 | 0. | 0. | 392:50 | 407:50 | 0. |
| 1:01 | 12:02 | 0.90 | 12:11 | 73:19 | 250:39 | 513:47 | 56:14 | .28 | 345:10 | 392:50 | 407:50 | 418:30 |
| 1:401 | 11:15 | 0. | 11:24 | 2:17:02 | 252:08 | 422:56 | 144:46 | 0. | 0. | 392:50 | 407:50 | 0. |
| 1:401 | 12:19 | 0.50 | 12:26 | 76:44 | 257:09 | 501:46 | 61:45 | .28 | 342:91 | 392:50 | 407:50 | 419:34 |
| 2:001 | 13:08 | 0. | 13:05 | 2:40:97 | 112:78 | 591:27 | 115:96 | 0. | 0. | 373:00 | 406:00 | 0. |
| 2:001 | 14:57 | 0.98 | 14:07 | 0:06:01 | 58:38 | 734:15 | 27:47 | .27 | 320:76 | 373:00 | 406:00 | 415:35 |
| 3:01 | 20:54 | 0. | 21:39 | 0:29:37 | 46 | 817:27 | 2:27 | 0. | 0. | 384:00 | 410:00 | 0. |
| 3:01 | 21:19 | 0. | 21:05 | 1:00:00 | 0. | 820:10 | 0. | .01 | 384:00 | 384:00 | 410:00 | 410:00 |
| 3:01 | 21:10 | 0. | 21:00 | 3:0:76 | 163:71 | 538:33 | 117:94 | 0. | 0. | 393:50 | 402:50 | 0. |
| 3:01 | 22:20 | 0.50 | 22:58 | 2:1:26 | 174:42 | 667:51 | 48:07 | .22 | 306:30 | 393:50 | 402:50 | 406:56 |
| 3:01 | 24:05 | 0. | 24:00 | 4:43:93 | 175:37 | 495:04 | 149:59 | 0. | 0. | 393:50 | 402:50 | 0. |
| 3:01 | 24:00 | 0.80 | 25:00 | 0:55:42 | 36:57 | 598:75 | 184:68 | .42 | 309:79 | 393:50 | 402:50 | 445:21 |
| 3:01 | 24:03 | 0. | 24:77 | 6:0:20 | 11:05 | 710:48 | 47:75 | 0. | 0. | 384:00 | 410:00 | 0. |
| 3:01 | 25:42 | 0.70 | 26:00 | 1:00:00 | 0. | 820:10 | 0. | .30 | 384:00 | 384:00 | 410:00 | 410:00 |
| 4:01 | 25:17 | 0. | 25:00 | 4:05:34 | 282:31 | 397:97 | 139:73 | 0. | 0. | 2287:00 | 2307:00 | 0. |
| 4:01 | 25:04 | 0.51 | 25:07 | 4:49:1 | 371:64 | 448:16 | 0. | .48 | 2102:08 | 2287:00 | 2307:00 | 2307:00 |

| SECNO | CWSFL | DIFKUS | EC | TORNID | ULOB | QCH | OROB | PERENC | STENCL | STCHL | STCHR | STENCR |
|-------|-------|--------|-------|---------|--------|--------|--------|--------|---------|---------|---------|---------|
| 4.203 | 25.15 | 1.91 | 25.18 | 1166.14 | 388.82 | 229.92 | 210.96 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.204 | 26.07 | 1.91 | 26.11 | 254.16 | 535.80 | 278.34 | 5.86 | .53 | 2049.92 | 2291.60 | 2302.00 | 2304.08 |
| 4.301 | 25.16 | 1.91 | 25.19 | 1176.57 | 388.38 | 228.41 | 211.81 | 0. | 0. | 2291.60 | 2302.00 | 0. |
| 4.302 | 26.17 | 1.91 | 26.19 | 255.16 | 537.25 | 277.59 | 5.16 | .53 | 2049.76 | 2291.60 | 2302.00 | 2303.92 |
| 4.401 | 25.23 | 1.91 | 25.23 | 1270.67 | 297.34 | 372.11 | 150.55 | 0. | 0. | 2287.00 | 2307.00 | 0. |
| 4.402 | 26.13 | 1.91 | 26.17 | 228.44 | 497.75 | 412.25 | 0. | .49 | 2079.56 | 2287.00 | 2307.00 | 2307.00 |
| 4.501 | 27.71 | 1.91 | 27.77 | 312.97 | 361.98 | 331.76 | 166.26 | 0. | 0. | 382.00 | 400.00 | 0. |
| 4.502 | 28.72 | 1.91 | 28.78 | 118.61 | 282.30 | 416.53 | 121.17 | .33 | 317.89 | 382.00 | 400.00 | 428.50 |
| 4.601 | 35.15 | 1.91 | 35.45 | 491.61 | 154.83 | 271.05 | 394.12 | 0. | 0. | 438.00 | 450.00 | 0. |
| 4.602 | 36.16 | 1.91 | 37.52 | 144.32 | 4.56 | 341.23 | 474.19 | .43 | 436.22 | 438.00 | 450.00 | 580.54 |
| 4.701 | 4.021 | 1.91 | 4.041 | 725.94 | 176.77 | 337.79 | 305.44 | 0. | 0. | 2194.00 | 2202.00 | 0. |
| 4.702 | 4.111 | 1.91 | 4.131 | 115.68 | 94.65 | 482.74 | 322.62 | .53 | 2175.73 | 2194.00 | 2202.00 | 2292.32 |
| 4.801 | 4.171 | 1.91 | 4.181 | 989.15 | 281.82 | 144.12 | 394.08 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 4.802 | 4.173 | 1.91 | 4.179 | 215.87 | 255.89 | 164.89 | 309.31 | .53 | 2115.60 | 2198.00 | 2202.00 | 2331.67 |
| 4.901 | 4.171 | 1.91 | 4.171 | 945.89 | 281.78 | 144.14 | 394.08 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 4.902 | 4.173 | 1.91 | 4.179 | 215.81 | 255.72 | 164.99 | 309.31 | .53 | 2116.63 | 2198.00 | 2202.00 | 2331.64 |
| 4.903 | 4.191 | 1.91 | 4.194 | 177.05 | 292.12 | 137.20 | 397.62 | 0. | 0. | 2198.00 | 2202.00 | 0. |
| 4.904 | 4.193 | 1.91 | 4.191 | 242.83 | 272.17 | 148.66 | 309.17 | .52 | 2166.39 | 2198.00 | 2202.00 | 2342.42 |

05 FEB 62 16:24:23

FLOODWAY DATA FLOOD
PROFILE NO. 2

| STATION | WIDTH | FLOODWAY AREA | HEAD VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|----------|-------|------------------|------------------|---|--|------------|
| 5+11.0 | 1.23 | 1.17 | 1.0 | 5.1 | 7.1 | 1.0 |
| 1+10.0 | 596 | 478 | 1.4 | 11.5 | 10.5 | 1.0 |
| 1+00.0 | 488 | 412 | 1.7 | 11.9 | 10.8 | 1.0 |
| A 1+30.0 | 73 | 45.5 | 1.6 | 12.7 | 11.0 | 1.0 |
| 1+40.0 | 70 | 45.6 | 1.7 | 12.6 | 11.2 | 1.0 |
| B 2+00.0 | 17 | 43.0 | 1.9 | 14.2 | 13.6 | 1.0 |
| 3+17 | 14 | 33.9 | 4.5 | 21.5 | 20.9 | .6 |
| 5+20.0 | 276 | 126 | 5.1 | 22.4 | 21.9 | .5 |
| C 5+27 | 30 | 42.1 | 7.6 | 24.3 | 24.3 | .5 |
| 5+40 | 10 | 27.9 | 5.1 | 25.4 | 24.6 | .8 |
| 6+10.0 | 25 | 70.3 | 1.1 | 25.3 | 25.3 | .9 |
| 4+30.0 | 254 | 93.7 | 1.9 | 25.1 | 25.2 | .9 |
| 0+10.0 | 253 | 73.6 | 1.9 | 26.1 | 25.2 | .9 |
| 4+40 | 259 | 103 | 1.9 | 26.1 | 25.2 | .9 |
| D 6+00 | 111 | 54.1 | 1.8 | 26.7 | 27.7 | 1.0 |
| E 6+00 | 104 | 78.8 | 1.3 | 37.3 | 36.4 | .9 |
| 7+10 | 215 | 124 | 2.1 | 41.1 | 40.2 | .9 |
| 7+20.0 | 215 | 73.6 | 1.1 | 41.8 | 41.8 | 1.0 |
| F 7+30.0 | 213 | 73.6 | 1.1 | 41.8 | 41.8 | 1.0 |
| 7+60 | 242 | 54 | 1.1 | 41.9 | 40.9 | 1.0 |