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ROWAN COUNTY F.I.A. STUDY
CITY OF SALISBURY
TAR BRANCH

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PROGRAMMER=KEZIAH ACCOUNT=RII.A25.P03078

JOB TURN-AROUND JOB PARAMETERS TIME USED INCLUDES MISC. JOB VALUES

| | DATE | TIME | SPECIFIED | USED | NO. | EQUIVALENT | | |
|----------------|-----------|------------|-----------|--------|--------|------------------|--------|------------------------|
| ENTERED | 8/31/77 | 11:32:46.7 | TIME | 2:00.0 | 0:19.6 | CPU | 0:06.4 | LINES IN 216 |
| EXECUTED | 8/31/77 | 11:35:31.3 | PAGES | 200 | 16 | UR EXCPS | 0:04.5 | LINES OUT 828 |
| RETURNED | 8/31/77 | 11:40:56.7 | CARDS | 0 | 0 | DISK EXCPS | 0:08.6 | MEMORY TIME 9775 K-SEC |
| JOB ENTERED ON | WEDNESDAY | | PLOTS | 0 | 0 | TAPE READ-WRITE | 0:00.0 | PRIORITY 02 |
| | | | | | | TAPE FILE SEARCH | 0:00.0 | APPROX. COST \$7.99 |

J O B C O N S O L E L O G

N 11.35.26 JOB 5 -- RSAL18 -- JCL INTERPRETED, TUCC CPU 42
N 11.35.31 JOB 5 -- RSAL18 -- BEGINNING EXEC - INIT 2 - CLASS
L*11.35.31 JOB 5 +++++S=058,T=02,U=RSAL18 11:35:31 KEZIAH
N 11.35.46 JOB 5 END EXECUTION.

MADE IN U.S.A.

 HEC2 RELEASE DATED NOV 76 (UPDATED FEB 1977)
 ERROR CORR. NO. 01
 MODIFICATION 50,51,52

T1 SALISBURY-ROWAN CO. STREAM 2-18SAL TAR BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6916
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INC NINV IDIR STRT METRIC HVINS 0 WSEL EQ
 -1. 2. 0. 0. 0.017000 0.0 0.0 0. 695.700 0.0

J2 NPROF IPLOT PREVS XSECV XSECH EN ALLOC IBW CHNIM ITRACE
 0.0 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
 38.000 39.000 40.000 41.000 43.000 42.000 1.000 2.000 26.000 53.000

54.000 25.000 50.000 0.0 201.000 0.0 0.0 0.0 0.0 0.0

J5 LPRNT RUNSEC *****REQUESTED SECTION NUMBERS*****
 -10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0
 ST 5.000 321.000 602.000 751.000 1117.000 751.000 0.0 0.0 0.0 0.0
 ET 5.000 0.0 0.0 0.0 0.0 0.0 -10.400 0.0 0.0 0.0

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|----|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 415.000 | 50.000 | 1852.000 | 1864.000 | 415.000 | 415.000 | 415.000 | 0.0 | 0.0 | 0.0 |
| GR | 710.700 | 1000.000 | 704.700 | 1100.000 | 703.200 | 1200.000 | 702.600 | 1300.000 | 703.400 | 1400.000 |
| GR | 703.500 | 1500.000 | 703.100 | 1533.000 | 703.200 | 1600.000 | 701.000 | 1700.000 | 698.200 | 1800.000 |
| GR | 695.000 | 1852.000 | 690.900 | 1853.000 | 690.700 | 1858.000 | 690.500 | 1863.000 | 695.000 | 1864.000 |
| GR | 696.900 | 1500.000 | 697.200 | 2000.000 | 697.300 | 2100.000 | 697.500 | 2200.000 | 701.300 | 2254.000 |
| GR | 706.100 | 2500.000 | 704.000 | 2400.000 | 703.600 | 2500.000 | 704.400 | 2600.000 | 705.300 | 2700.000 |
| GR | 706.100 | 2800.000 | 706.900 | 2900.000 | 707.300 | 3000.000 | 708.600 | 3100.000 | 710.000 | 3200.000 |

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|----|---------|-------|-------|-------|--------|--------|--------|-----|-------|-----|
| X1 | 465.000 | 0.0 | 0.0 | 0.0 | 50.000 | 50.000 | 50.000 | 0.0 | 0.400 | 0.0 |
| NC | 0.025 | 0.025 | 0.025 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|----|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 515.000 | 31.000 | 1856.500 | 1859.500 | 50.000 | 50.000 | 50.000 | 0.0 | 0.0 | 0.0 |
| GR | 710.700 | 1000.000 | 704.700 | 1100.000 | 703.200 | 1200.000 | 702.600 | 1300.000 | 703.400 | 1400.000 |
| GR | 703.500 | 1500.000 | 703.200 | 1600.000 | 701.000 | 1700.000 | 698.200 | 1800.000 | 695.000 | 1852.000 |
| GR | 694.100 | 1856.500 | 693.000 | 1857.000 | 692.600 | 1858.000 | 693.000 | 1859.000 | 694.100 | 1859.500 |
| GR | 695.000 | 1500.000 | 696.900 | 1900.000 | 697.200 | 2000.000 | 697.300 | 2100.000 | 697.500 | 2200.000 |
| GR | 701.300 | 2254.000 | 706.100 | 2300.000 | 704.000 | 2400.000 | 703.600 | 2500.000 | 704.400 | 2600.000 |
| GR | 705.300 | 2700.000 | 706.100 | 2800.000 | 706.900 | 2900.000 | 707.300 | 3000.000 | 708.600 | 3100.000 |
| GR | 710.000 | 3200.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SB | 0.900 | 1.500 | 2.500 | 0.0 | 3.000 | 0.010 | 7.100 | 0.0 | 0.0 | 0.0 |

MADE IN U.S.A.

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|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 528,000 | 0.0 | 0.0 | 0.0 | 13,000 | 13,000 | 13,000 | 0.0 | 0.0 | 0.0 |
| X2 | 0.0 | 0.0 | 1,000 | 695,600 | 696,600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BT | 28,000 | 1000,000 | 710,700 | 0.0 | 1100,000 | 704,700 | 0.0 | 1200,000 | 703,200 | 0.0 |
| BT | 1300,000 | 702,600 | 0.0 | 1400,000 | 703,400 | 0.0 | 1500,000 | 703,500 | 0.0 | 1600,000 |
| BT | 703,200 | 0.0 | 1700,000 | 701,000 | 0.0 | 1800,000 | 698,200 | 0.0 | 1856,500 | 696,600 |
| BT | 694,100 | 1857,000 | 696,500 | 695,200 | 1858,000 | 696,600 | 695,600 | 1859,000 | 696,600 | 695,200 |
| BT | 1859,500 | 696,600 | 694,100 | 1900,000 | 696,900 | 0.0 | 2000,000 | 697,200 | 0.0 | 2100,000 |
| BT | 697,300 | 0.0 | 2200,000 | 697,500 | 0.0 | 2300,000 | 706,100 | 0.0 | 2400,000 | 704,000 |
| BT | 0.0 | 2500,000 | 703,600 | 0.0 | 2600,000 | 704,400 | 0.0 | 2700,000 | 705,300 | 0.0 |
| BT | 2300,000 | 706,100 | 0.0 | 2900,000 | 706,900 | 0.0 | 3000,000 | 707,300 | 0.0 | 3100,000 |
| BT | 708,600 | 0.0 | 3200,000 | 710,000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NC | 0.055 | 0.055 | 0.035 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 579,000 | 30,000 | 1052,000 | 1064,000 | 50,000 | 50,000 | 50,000 | 0.0 | 2,300 | 0.0 |
| GR | 710,700 | 1000,000 | 704,700 | 1100,000 | 703,200 | 1200,000 | 702,600 | 1300,000 | 703,400 | 1400,000 |
| GR | 703,500 | 1500,000 | 703,100 | 1533,000 | 703,200 | 1600,000 | 701,000 | 1700,000 | 698,200 | 1800,000 |
| GR | 695,000 | 1852,000 | 690,500 | 1853,000 | 690,700 | 1858,000 | 690,900 | 1863,000 | 695,000 | 1864,000 |
| GR | 696,900 | 1900,000 | 697,200 | 2000,000 | 697,300 | 2100,000 | 697,500 | 2200,000 | 701,300 | 2254,000 |
| GR | 706,100 | 2300,000 | 704,000 | 2400,000 | 703,600 | 2500,000 | 704,400 | 2600,000 | 705,300 | 2700,000 |
| GR | 706,100 | 2800,000 | 706,900 | 2900,000 | 707,300 | 3000,000 | 708,600 | 3100,000 | 710,000 | 3200,000 |

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|----|---------|---------|---------|---------|----------|---------|--------|-----|-------|-----|
| X1 | 628,000 | 0.0 | 0.0 | 0.0 | 50,000 | 50,000 | 50,000 | 0.0 | 0,400 | 0.0 |
| QT | 5,000 | 299,000 | 563,000 | 703,000 | 1049,000 | 703,000 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 1715,000 | 16,000 | 1748,000 | 1769,000 | 1087,000 | 1087,000 | 1087,000 | 0.0 | 0.0 | 0.0 |
| GR | 717,100 | 1000,000 | 713,800 | 1100,000 | 712,500 | 1200,000 | 710,900 | 1300,000 | 709,800 | 1400,000 |
| GR | 709,600 | 1500,000 | 710,200 | 1600,000 | 704,600 | 1700,000 | 702,600 | 1748,000 | 701,100 | 1752,000 |
| GR | 699,700 | 1757,000 | 701,200 | 1763,000 | 702,900 | 1769,000 | 706,700 | 1800,000 | 715,500 | 1900,000 |
| GR | 717,000 | 1930,000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BT | 5,000 | 278,000 | 524,000 | 656,000 | 982,000 | 656,000 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 2915,000 | 13,000 | 1308,000 | 1331,000 | 1100,000 | 1100,000 | 1100,000 | 0.0 | 5,100 | 0.0 |
| GR | 735,200 | 1000,000 | 731,300 | 1077,000 | 728,200 | 1088,000 | 727,500 | 1100,000 | 725,800 | 1200,000 |
| GR | 722,200 | 1300,000 | 720,200 | 1308,000 | 717,500 | 1312,000 | 717,100 | 1314,000 | 717,600 | 1321,000 |
| GR | 721,100 | 1331,000 | 731,300 | 1400,000 | 735,200 | 1460,000 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 2365,000 | 0.0 | 0.0 | 0.0 | 50,000 | 50,000 | 50,000 | 0.0 | 1,100 | 0.0 |
| NC | 0.025 | 0.025 | 0.025 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 2915,000 | 20,100 | 1397,000 | 1404,200 | 50,000 | 50,000 | 50,000 | 0.0 | 0.0 | 0.0 |
| GR | 737,700 | 1000,000 | 731,800 | 1100,000 | 729,300 | 1164,000 | 726,200 | 1175,000 | 725,500 | 1187,000 |
| GR | 723,800 | 1297,000 | 720,200 | 1367,000 | 718,200 | 1395,000 | 717,000 | 1397,800 | 715,100 | 1397,000 |
| GR | 715,100 | 1404,200 | 717,000 | 1404,200 | 719,100 | 1418,000 | 723,500 | 1447,000 | 723,300 | 1500,000 |
| GR | 725,100 | 1600,000 | 729,200 | 1700,000 | 732,900 | 1800,000 | 735,300 | 1900,000 | 737,800 | 1946,000 |
| SE | 0.900 | 1.500 | 2.500 | 0.0 | 6.400 | 0.010 | 41.600 | 0.0 | 0.0 | 0.0 |

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|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 2965,000 | 0.0 | 0.0 | 0.0 | 50,000 | 50,000 | 50,000 | 0.0 | 0.0 | 0.0 |
| X2 | 0.0 | 0.0 | 1,000 | 721,600 | 723,300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BT | 14,000 | 1000,000 | 737,700 | 0.0 | 1100,000 | 731,800 | 0.0 | 1164,000 | 729,300 | 0.0 |
| BT | 1200,000 | 727,800 | 0.0 | 1300,000 | 725,700 | 0.0 | 1397,800 | 723,700 | 721,600 | 1404,200 |
| BT | 723,700 | 721,600 | 1404,300 | 723,700 | 0.0 | 1500,000 | 723,300 | 0.0 | 1600,000 | 725,100 |
| BT | 0.0 | 1700,000 | 729,200 | 0.0 | 1800,000 | 732,900 | 0.0 | 1900,000 | 735,300 | 0.0 |
| BT | 1946,000 | 737,800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NC | 0.055 | 0.055 | 0.035 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 3015,000 | 13,000 | 1308,000 | 1331,000 | 50,000 | 50,000 | 50,000 | 0.0 | 0.0 | 0.0 |
| GR | 735,200 | 1000,000 | 731,300 | 1077,000 | 728,200 | 1088,000 | 727,500 | 1100,000 | 725,800 | 1200,000 |
| GR | 722,200 | 1300,000 | 720,200 | 1308,000 | 717,500 | 1312,000 | 717,100 | 1314,000 | 717,600 | 1321,000 |

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GR 721.100 1331.000 731.300 1400.000 735.200 1460.000 0.0 0.0 0.0 0.0

X1 3055.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 1.900 0.0

X1 3338.000 13.000 1347.000 1354.000 273.000 273.000 273.000 0.0 0.0 0.0
GR 739.600 1000.000 732.400 1100.000 725.400 1200.000 724.000 1300.000 722.800 1347.000
GR 720.800 1348.000 720.000 1349.000 720.500 1353.000 723.000 1354.000 726.300 1365.000
GR 725.900 1400.000 732.600 1500.000 739.600 1540.000 0.0 0.0 0.0 0.0

X1 3388.000 13.000 1354.000 1359.000 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.600 1000.000 735.000 1100.000 726.000 1200.000 725.000 1300.000 722.800 1354.000
GR 720.700 1355.000 720.100 1357.000 720.500 1358.000 722.300 1359.000 725.500 1367.000
GR 725.800 1400.000 735.000 1500.000 741.700 1531.000 0.0 0.0 0.0 0.0

X1 3438.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.0 0.0
NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 3488.000 19.000 1356.500 1359.500 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.600 1000.000 736.000 1100.000 727.200 1200.000 726.200 1266.000 726.500 1275.000
GR 726.100 1301.000 723.900 1355.000 722.700 1356.500 721.600 1357.000 721.200 1358.000
GR 721.600 1359.000 722.700 1359.500 723.400 1360.000 726.600 1358.000 727.200 1400.000
GR 728.900 1437.000 729.800 1470.000 732.200 1500.000 741.800 1551.000 0.0 0.0
SB 0.900 1.500 2.500 0.0 3.000 0.010 7.100 0.0 0.0 0.0

X1 3503.000 0.0 0.0 0.0 20.000 20.000 20.000 0.0 0.0 0.0
X2 0.0 0.0 1.000 724.200 726.200 0.0 0.0 0.0 0.0 0.0
BT 15.000 1000.000 741.600 0.0 1100.000 736.000 0.0 1200.000 727.200 0.0
BT 1266.000 726.200 0.0 1300.000 727.100 0.0 1356.500 726.400 722.700 1357.000
BT 726.400 723.800 1358.000 726.400 724.200 1359.000 726.400 723.800 1359.500 726.400
BT 722.700 1400.000 727.200 0.0 1437.000 728.900 0.0 1470.000 729.800 0.0
BT 1500.000 732.200 0.0 1551.000 741.800 0.0 0.0 0.0 0.0 0.0
NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 3558.000 13.000 1354.000 1359.000 50.000 50.000 50.000 0.0 1.100 0.0
GR 741.600 1000.000 735.000 1100.000 726.000 1200.000 725.000 1300.000 722.800 1354.000
GR 720.700 1355.000 720.100 1357.000 720.500 1358.000 722.300 1359.000 725.500 1367.000
GR 725.800 1400.000 735.000 1500.000 741.700 1531.000 0.0 0.0 0.0 0.0

X1 3603.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.0 0.0
BT 5.000 197.000 325.000 430.000 755.000 490.000 0.0 0.0 0.0 0.0

X1 3638.000 12.000 1335.000 1349.000 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.100 1000.000 732.300 1100.000 727.200 1200.000 728.300 1300.000 727.000 1335.000
GR 721.800 1342.000 721.200 1343.000 721.600 1344.000 725.500 1349.000 728.000 1400.000
GR 733.500 1500.000 741.100 1570.000 0.0 0.0 0.0 0.0 0.0 0.0

X1 3688.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.0 0.0
NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 3738.000 15.000 1340.500 1343.500 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.500 1000.000 732.800 1100.000 729.100 1200.000 727.500 1300.000 727.500 1325.000
GR 727.000 1334.000 722.700 1340.500 721.600 1341.000 721.200 1342.000 721.600 1343.000
GR 722.700 1343.500 725.500 1348.000 728.200 1400.000 732.900 1500.000 741.500 1590.000
SB 0.900 1.500 2.500 0.0 3.000 0.010 7.100 0.0 0.0 0.0

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| X1 | 3783.000 | 0.0 | 0.0 | 0.0 | 45.000 | 45.000 | 45.000 | 0.0 | 0.0 | 0.0 |
| X2 | 0.0 | 0.0 | 1.000 | 724.200 | 727.400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ST | 12.000 | 1000.000 | 741.500 | 0.0 | 1100.000 | 732.800 | 0.0 | 1200.000 | 729.100 | 0.0 |
| BT | 1300.000 | 727.500 | 0.0 | 1340.500 | 727.400 | 722.700 | 1341.000 | 727.400 | 723.800 | 1342.000 |
| HT | 727.400 | 724.200 | 1343.000 | 727.400 | 723.800 | 1343.500 | 727.400 | 722.700 | 1400.000 | 728.200 |
| BT | 0.0 | 1500.000 | 732.900 | 0.0 | 1590.000 | 741.500 | 0.0 | 0.0 | 0.0 | 0.0 |
| NC | 0.055 | 0.055 | 0.035 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 3833.000 | 12.000 | 1335.000 | 1349.000 | 50.000 | 50.000 | 50.000 | 0.0 | 0.0 | 0.0 |
| GR | 741.100 | 1000.000 | 732.300 | 1100.000 | 727.200 | 1200.000 | 729.300 | 1300.000 | 727.000 | 1335.000 |
| GR | 721.800 | 1342.600 | 721.200 | 1343.000 | 721.600 | 1344.000 | 725.500 | 1349.000 | 726.000 | 1400.000 |
| GR | 733.500 | 1500.000 | 741.100 | 1570.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 3893.000 | 0.0 | 0.0 | 0.0 | 50.000 | 50.000 | 50.000 | 0.0 | 0.0 | 0.0 |
| BT | 5.000 | 190.000 | 380.000 | 485.000 | 750.000 | 485.000 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 5075.000 | 21.000 | 2200.000 | 2219.000 | 1192.000 | 1192.000 | 1192.000 | 0.0 | -1.400 | 0.0 |
| GR | 760.100 | 1000.000 | 756.000 | 1100.000 | 751.100 | 1200.000 | 745.600 | 1300.000 | 743.400 | 1400.000 |
| GR | 744.400 | 1500.000 | 746.300 | 1600.000 | 746.900 | 1700.000 | 748.400 | 1800.000 | 743.100 | 1900.000 |
| GR | 742.000 | 2000.000 | 742.800 | 2100.000 | 744.800 | 2200.000 | 739.700 | 2215.000 | 739.500 | 2216.000 |
| GR | 740.000 | 2218.000 | 743.100 | 2219.000 | 747.600 | 2300.000 | 752.200 | 2400.000 | 759.800 | 2500.000 |
| GR | 762.300 | 2530.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 5125.000 | 0.0 | 0.0 | 0.0 | 50.000 | 50.000 | 50.000 | 0.0 | 1.400 | 0.0 |
| NC | 0.025 | 0.025 | 0.025 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| X1 | 5175.000 | 26.000 | 2243.500 | 2246.500 | 50.000 | 50.000 | 50.000 | 0.0 | 0.0 | 0.0 |
| GR | 761.300 | 1000.000 | 757.300 | 1100.000 | 751.000 | 1200.000 | 746.800 | 1300.000 | 745.100 | 1400.000 |
| GR | 745.000 | 1477.000 | 745.000 | 1500.000 | 745.600 | 1600.000 | 748.600 | 1700.000 | 749.000 | 1800.000 |
| GR | 746.500 | 1900.000 | 745.500 | 2000.000 | 745.200 | 2100.000 | 745.600 | 2200.000 | 746.000 | 2230.000 |
| GR | 743.100 | 2243.500 | 742.000 | 2244.000 | 741.600 | 2245.000 | 742.000 | 2246.000 | 743.100 | 2246.500 |
| GR | 745.200 | 2248.000 | 747.000 | 2281.000 | 747.400 | 2300.000 | 750.800 | 2400.000 | 756.300 | 2500.000 |
| GR | 762.200 | 2576.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SB | 0.900 | 1.500 | 2.500 | 0.0 | 3.000 | 0.010 | 7.100 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 5224.000 | 0.0 | 0.0 | 0.0 | 45.000 | 49.000 | 49.000 | 0.0 | 0.0 | 0.0 |
| X2 | 0.0 | 0.0 | 1.000 | 744.200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BT | 23.000 | 1000.000 | 761.300 | 0.0 | 1100.000 | 757.300 | 0.0 | 1200.000 | 751.000 | 0.0 |
| BT | 1300.000 | 746.000 | 0.0 | 1400.000 | 745.100 | 0.0 | 1477.000 | 745.000 | 0.0 | 1500.000 |
| BT | 745.000 | 0.0 | 1400.000 | 745.000 | 0.0 | 1700.000 | 748.600 | 0.0 | 1800.000 | 749.000 |
| BT | 0.0 | 1900.000 | 746.500 | 0.0 | 2000.000 | 745.000 | 0.0 | 2100.000 | 745.200 | 0.0 |
| BT | 2200.000 | 745.500 | 0.0 | 2243.500 | 746.200 | 743.100 | 2244.000 | 746.200 | 744.200 | 2245.000 |
| BT | 746.200 | 744.600 | 2246.000 | 756.200 | 744.200 | 2246.500 | 746.200 | 743.100 | 2300.000 | 747.400 |
| BT | 0.0 | 2400.000 | 750.600 | 0.0 | 2500.000 | 756.300 | 0.0 | 2576.000 | 762.200 | 0.0 |
| NC | 0.055 | 0.055 | 0.035 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5274.000 | 21.000 | 2200.000 | 2219.000 | 50.000 | 50.000 | 50.000 | 0.0 | 3.500 | 0.0 |
| GR | 760.100 | 1000.000 | 756.000 | 1100.000 | 751.100 | 1200.000 | 745.600 | 1300.000 | 743.400 | 1400.000 |
| GR | 744.400 | 1500.000 | 746.300 | 1600.000 | 746.900 | 1700.000 | 748.400 | 1800.000 | 743.100 | 1900.000 |
| GR | 742.000 | 2000.000 | 742.800 | 2100.000 | 744.800 | 2200.000 | 739.700 | 2215.000 | 739.500 | 2216.000 |
| GR | 740.000 | 2218.000 | 743.100 | 2219.000 | 747.600 | 2300.000 | 752.200 | 2400.000 | 759.800 | 2500.000 |
| GR | 762.300 | 2530.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | |
|----|----------|---------|---------|---------|---------|---------|--------|-----|-------|-----|
| X1 | 5324.000 | 0.0 | 0.0 | 0.0 | 50.000 | 50.000 | 50.000 | 0.0 | 1.400 | 0.0 |
| BT | 5.000 | 185.000 | 358.000 | 454.000 | 697.000 | 454.000 | 0.0 | 0.0 | 0.0 | 0.0 |

MADE IN U.S.A.

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5580,000 | 10,000 | 1385,000 | 1389,000 | 256,000 | 256,000 | 256,000 | 0,0 | -6,300 | 0,0 |
| GR | 779,400 | 1000,000 | 773,600 | 1100,000 | 770,900 | 1200,000 | 766,700 | 1300,000 | 763,000 | 1385,000 |
| GR | 761,900 | 1387,000 | 762,600 | 1389,000 | 764,000 | 1400,000 | 773,500 | 1500,000 | 777,600 | 1559,000 |

| | | | | | | | | | | |
|----|----------|-------|-------|-------|--------|--------|--------|-----|-------|-----|
| X1 | 5630,000 | 0,0 | 0,0 | 0,0 | 50,000 | 50,000 | 50,000 | 0,0 | 1,000 | 0,0 |
| NC | 0,025 | 0,025 | 0,025 | 0,100 | 0,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5680,000 | 34,000 | 3499,000 | 3501,000 | 50,000 | 50,000 | 50,000 | 0,0 | 0,0 | 0,0 |
| GR | 770,700 | 1300,000 | 769,300 | 1400,000 | 767,700 | 1500,000 | 765,200 | 1600,000 | 762,000 | 1700,000 |
| GR | 760,200 | 1800,000 | 759,800 | 1900,000 | 761,300 | 2000,000 | 763,500 | 2100,000 | 764,800 | 2200,000 |
| GR | 764,000 | 2300,000 | 762,300 | 2400,000 | 760,000 | 2500,000 | 761,000 | 2600,000 | 765,000 | 2700,000 |
| GR | 766,700 | 2800,000 | 767,400 | 2900,000 | 767,300 | 3000,000 | 767,800 | 3100,000 | 766,800 | 3200,000 |
| GR | 759,800 | 3300,000 | 763,500 | 3400,000 | 763,400 | 3442,000 | 761,000 | 3498,000 | 760,900 | 3499,000 |
| GR | 760,000 | 3499,500 | 759,900 | 3500,000 | 760,000 | 3500,500 | 760,900 | 3501,000 | 762,000 | 3513,000 |
| GR | 764,800 | 3540,000 | 767,000 | 3600,000 | 774,200 | 3700,000 | 779,700 | 3770,000 | 0,0 | 0,0 |
| SB | 0,900 | 1,500 | 2,500 | 0,0 | 2,000 | 0,010 | 3,100 | 0,0 | 0,0 | 0,0 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 5720,000 | 0,0 | 0,0 | 0,0 | 40,000 | 40,000 | 40,000 | 0,0 | 0,0 | 0,0 |
| X2 | 0,0 | 0,0 | 1,000 | 761,900 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| BT | 30,000 | 1300,000 | 770,700 | 0,0 | 1400,000 | 769,300 | 0,0 | 1500,000 | 767,700 | 0,0 |
| BT | 1600,000 | 765,200 | 0,0 | 1700,000 | 762,000 | 0,0 | 1800,000 | 760,200 | 0,0 | 1900,000 |
| BT | 759,800 | 0,0 | 2000,000 | 761,300 | 0,0 | 2100,000 | 763,500 | 0,0 | 2200,000 | 764,800 |
| BT | 0,0 | 2300,000 | 764,000 | 0,0 | 2400,000 | 762,300 | 0,0 | 2500,000 | 760,000 | 0,0 |
| BT | 2600,000 | 761,000 | 0,0 | 2700,000 | 765,000 | 0,0 | 2800,000 | 766,700 | 0,0 | 2900,000 |
| BT | 767,400 | 0,0 | 3000,000 | 767,300 | 0,0 | 3100,000 | 767,800 | 0,0 | 3200,000 | 766,800 |
| BT | 0,0 | 3300,000 | 764,800 | 0,0 | 3400,000 | 763,500 | 0,0 | 3499,000 | 763,400 | 760,900 |
| BT | 3499,500 | 763,400 | 761,800 | 3500,000 | 763,400 | 761,900 | 3500,500 | 763,400 | 761,800 | 3501,000 |
| BT | 763,400 | 790,900 | 3600,000 | 767,000 | 0,0 | 3700,000 | 774,200 | 0,0 | 3770,000 | 779,700 |
| BT | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| NC | 0,055 | 0,055 | 0,035 | 0,100 | 0,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5770,000 | 10,000 | 1385,000 | 1389,000 | 50,000 | 50,000 | 50,000 | 0,0 | -1,000 | 0,0 |
| GR | 779,400 | 1000,000 | 773,600 | 1100,000 | 770,900 | 1200,000 | 766,700 | 1300,000 | 763,000 | 1385,000 |
| GR | 761,900 | 1387,000 | 762,600 | 1389,000 | 764,000 | 1400,000 | 773,500 | 1500,000 | 777,600 | 1559,000 |

| | | | | | | | | | | |
|----|----------|-----|-----|-----|--------|--------|--------|-----|-------|-----|
| X1 | 5820,000 | 0,0 | 0,0 | 0,0 | 50,000 | 50,000 | 50,000 | 0,0 | 1,000 | 0,0 |
| ED | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

MADE IN U.S.A.

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR = 01

MODIFICATION = 50,51,52

T1 SALISBURY-ROWAN CO. STREAM 2-10SAL
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 100-YEAR FLOOD WATER SURFACE PROFILE

| J1 | ICHECK | INC | MINV | IDIR | SIRT | METRIC | HVINS | Q | WSEL | FQ |
|----|--------|-----|------|------|----------|--------|-------|----|---------|-----|
| | -10. | 4. | 0. | 0. | 0.017000 | 0.0 | 0.0 | 0. | 698.700 | 0.0 |

| J2 | NPROF | IPLT | PREVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
|----|--------|------|--------|-------|-------|-----|-------|-----|-------|--------|
| | 15,000 | 0.0 | -1.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

MADE IN U.S.A.

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

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

| SECNO | XLCH | ELTRD | ELLC | Q | ELMIN | CWSEL | CRWS | VCH | SSTA | ENDST | AREA | DIFWSP |
|--------------|---------|--------|--------|--------|--------|--------|--------|------|---------|---------|--------|--------|
| A 415.000 | 415.00 | 0.0 | 0.0 | 321.00 | 690.70 | 694.07 | 0.0 | 9.14 | 1852.23 | 1863.77 | 35.12 | 0.0 |
| * 415.000 | 415.00 | 0.0 | 0.0 | 751.00 | 690.70 | 697.37 | 697.37 | 6.94 | 1813.44 | 2136.54 | 217.52 | 3.31 |
| 465.000 | 50.00 | 0.0 | 0.0 | 321.00 | 691.10 | 695.18 | 0.0 | 7.37 | 1852.05 | 1863.95 | 43.54 | 0.0 |
| * 465.000 | 50.00 | 0.0 | 0.0 | 751.00 | 691.10 | 697.78 | 697.78 | 6.92 | 1813.39 | 2138.00 | 218.47 | 2.60 |
| * 515.000 | 50.00 | 0.0 | 0.0 | 321.00 | 692.60 | 696.42 | 696.42 | 7.71 | 1828.90 | 1890.93 | 62.50 | 0.0 |
| 515.000 | 50.00 | 0.0 | 0.0 | 751.00 | 692.60 | 698.35 | 0.0 | 2.22 | 1794.37 | 2212.19 | 571.25 | 1.93 |
| 529.000 | 17.00 | 696.60 | 695.60 | 321.00 | 692.60 | 697.54 | 0.0 | 2.45 | 1810.74 | 2200.56 | 241.81 | 0.0 |
| 529.000 | 13.00 | 696.60 | 695.60 | 751.00 | 692.60 | 698.42 | 0.0 | 2.09 | 1792.13 | 2213.08 | 597.54 | 0.88 |
| 578.000 | 50.00 | 0.0 | 0.0 | 321.00 | 693.00 | 697.00 | 0.0 | 7.55 | 1852.07 | 1863.93 | 42.54 | 0.0 |
| * 578.000 | 50.00 | 0.0 | 0.0 | 751.00 | 693.00 | 699.28 | 699.28 | 6.53 | 1819.81 | 1926.93 | 139.93 | 2.28 |
| B 628.000 | 50.00 | 0.0 | 0.0 | 321.00 | 693.40 | 697.54 | 0.0 | 7.26 | 1852.04 | 1863.96 | 44.20 | 0.0 |
| * 628.000 | 50.00 | 0.0 | 0.0 | 751.00 | 693.40 | 699.72 | 699.72 | 8.36 | 1919.09 | 1941.82 | 145.07 | 2.18 |
| < 1715.000 | 1087.00 | 0.0 | 0.0 | 299.00 | 699.70 | 703.89 | 0.0 | 4.74 | 1717.06 | 1777.07 | 81.20 | 0.0 |
| 1715.000 | 1087.00 | 0.0 | 0.0 | 703.00 | 699.70 | 705.18 | 0.0 | 6.01 | 1689.75 | 1787.55 | 183.83 | 1.29 |
| * D 2815.000 | 1100.00 | 0.0 | 0.0 | 278.00 | 712.00 | 714.85 | 714.85 | 7.76 | 1308.37 | 1327.72 | 35.85 | 0.0 |
| * 2815.000 | 1100.00 | 0.0 | 0.0 | 656.00 | 712.00 | 716.34 | 716.34 | 9.51 | 1303.03 | 1333.31 | 71.68 | 1.49 |
| * 2865.000 | 50.00 | 0.0 | 0.0 | 278.00 | 713.10 | 715.95 | 715.95 | 7.77 | 1308.38 | 1327.70 | 35.77 | 0.0 |
| * 2865.000 | 50.00 | 0.0 | 0.0 | 656.00 | 713.10 | 717.45 | 717.45 | 9.48 | 1302.99 | 1333.38 | 71.99 | 1.51 |
| * 2915.000 | 50.00 | 0.0 | 0.0 | 278.00 | 715.10 | 718.92 | 718.92 | 8.26 | 1392.11 | 1416.63 | 41.36 | 0.0 |
| * 2915.000 | 50.00 | 0.0 | 0.0 | 656.00 | 715.10 | 720.30 | 720.30 | 9.45 | 1384.15 | 1425.93 | 85.68 | 1.38 |
| * 2965.000 | 50.00 | 723.30 | 721.60 | 278.00 | 715.10 | 719.17 | 0.0 | 7.21 | 1391.11 | 1418.48 | 47.88 | 0.0 |
| 2965.000 | 50.00 | 723.30 | 721.60 | 656.00 | 715.10 | 720.31 | 0.0 | 9.42 | 1383.98 | 1425.97 | 85.95 | 1.14 |
| * 3015.000 | 50.00 | 0.0 | 0.0 | 278.00 | 717.10 | 719.94 | 719.94 | 7.79 | 1308.38 | 1327.69 | 35.68 | 0.0 |
| * 3015.000 | 50.00 | 0.0 | 0.0 | 656.00 | 717.10 | 721.44 | 721.44 | 9.52 | 1303.04 | 1333.30 | 71.63 | 1.50 |
| * E 3065.000 | 50.00 | 0.0 | 0.0 | 278.00 | 719.00 | 721.85 | 721.85 | 7.76 | 1309.37 | 1327.71 | 35.82 | 0.0 |
| * 3065.000 | 50.00 | 0.0 | 0.0 | 656.00 | 719.00 | 723.35 | 723.35 | 9.48 | 1302.99 | 1333.38 | 71.99 | 1.50 |

MADE IN U.S.A.

MADE IN U.S.A.

| | SECNO | XLCH | ELTRD | ELLC | Q | ELMIN | CWSEL | CRWS | VCH | SSTA | ENDST | AREA | DIFWSP |
|----|----------|---------|--------|--------|--------|--------|--------|--------|------|---------|---------|--------|--------|
| F | 3338.000 | 273.00 | 0.0 | 0.0 | 278.00 | 720.00 | 724.62 | 0.0 | 5.33 | 1255.98 | 1359.39 | 102.45 | 0.0 |
| | 3338.000 | 273.00 | 0.0 | 0.0 | 656.00 | 720.00 | 725.93 | 0.0 | 4.67 | 1192.39 | 1400.49 | 295.26 | 1.31 |
| | 3388.000 | 50.00 | 0.0 | 0.0 | 278.00 | 720.10 | 724.75 | 0.0 | 7.35 | 1316.10 | 1365.13 | 73.76 | 0.0 |
| | 3388.000 | 50.00 | 0.0 | 0.0 | 656.00 | 720.10 | 725.99 | 0.0 | 6.88 | 1200.67 | 1402.11 | 216.39 | 1.24 |
| | 3438.000 | 50.00 | 0.0 | 0.0 | 278.00 | 720.10 | 725.32 | 0.0 | 4.85 | 1267.61 | 1366.56 | 115.95 | 0.0 |
| | 3438.000 | 50.00 | 0.0 | 0.0 | 656.00 | 720.10 | 726.32 | 0.0 | 5.29 | 1196.46 | 1405.65 | 283.35 | 0.99 |
| *G | 3488.000 | 50.00 | 0.0 | 0.0 | 278.00 | 721.20 | 725.60 | 725.60 | 7.85 | 1313.36 | 1365.49 | 57.90 | 0.0 |
| * | 3488.000 | 50.00 | 0.0 | 0.0 | 656.00 | 721.20 | 726.47 | 726.47 | 6.69 | 1248.10 | 1367.68 | 120.18 | 0.88 |
| | 3508.000 | 20.00 | 726.20 | 724.20 | 278.00 | 721.20 | 727.27 | 0.0 | 1.83 | 1199.18 | 1401.57 | 249.11 | 0.0 |
| | 3508.000 | 20.00 | 726.20 | 724.20 | 656.00 | 721.20 | 727.78 | 0.0 | 2.88 | 1193.37 | 1412.70 | 356.95 | 0.51 |
| | 3558.000 | 50.00 | 0.0 | 0.0 | 278.00 | 721.20 | 727.28 | 0.0 | 2.51 | 1198.02 | 1404.12 | 254.21 | 0.0 |
| | 3558.000 | 50.00 | 0.0 | 0.0 | 656.00 | 721.20 | 727.80 | 0.0 | 4.03 | 1192.21 | 1409.80 | 364.84 | 0.52 |
| H | 3608.000 | 50.00 | 0.0 | 0.0 | 278.00 | 721.20 | 727.31 | 0.0 | 2.45 | 1197.73 | 1404.40 | 259.56 | 0.0 |
| | 3608.000 | 50.00 | 0.0 | 0.0 | 656.00 | 721.20 | 727.88 | 0.0 | 3.82 | 1191.35 | 1410.64 | 301.88 | 0.57 |
| | 3638.000 | 30.00 | 0.0 | 0.0 | 197.00 | 721.20 | 727.26 | 0.0 | 3.33 | 1198.91 | 1384.81 | 82.61 | 0.0 |
| | 3638.000 | 30.00 | 0.0 | 0.0 | 490.00 | 721.20 | 727.53 | 727.22 | 7.23 | 1193.43 | 1390.51 | 106.33 | 0.28 |
| | 3688.000 | 50.00 | 0.0 | 0.0 | 197.00 | 721.20 | 727.34 | 0.0 | 3.20 | 1197.25 | 1386.54 | 88.50 | 0.0 |
| | 3688.000 | 50.00 | 0.0 | 0.0 | 490.00 | 721.20 | 728.17 | 0.0 | 4.92 | 1181.02 | 1403.05 | 205.61 | 0.83 |
| | 3738.000 | 50.00 | 0.0 | 0.0 | 197.00 | 721.20 | 727.42 | 0.0 | 3.57 | 1326.61 | 1384.80 | 85.49 | 0.0 |
| | 3738.000 | 50.00 | 0.0 | 0.0 | 490.00 | 721.20 | 728.37 | 0.0 | 4.43 | 1245.02 | 1403.83 | 198.61 | 0.95 |
| | 3783.000 | 45.00 | 727.40 | 724.20 | 197.00 | 721.20 | 728.24 | 0.0 | 1.99 | 1253.48 | 1400.94 | 177.67 | 0.0 |
| | 3783.000 | 45.00 | 727.40 | 724.20 | 490.00 | 721.20 | 728.82 | 0.0 | 3.17 | 1217.51 | 1413.19 | 276.58 | 0.57 |
| | 3833.000 | 50.00 | 0.0 | 0.0 | 197.00 | 721.20 | 728.25 | 0.0 | 1.86 | 1179.29 | 1404.66 | 224.47 | 0.0 |
| | 3833.000 | 50.00 | 0.0 | 0.0 | 490.00 | 721.20 | 728.84 | 0.0 | 3.03 | 1167.90 | 1415.31 | 362.87 | 0.59 |
| I | 3883.000 | 50.00 | 0.0 | 0.0 | 197.00 | 721.20 | 728.27 | 0.0 | 1.86 | 1179.19 | 1404.74 | 225.49 | 0.0 |
| | 3883.000 | 50.00 | 0.0 | 0.0 | 490.00 | 721.20 | 728.88 | 0.0 | 2.98 | 1167.25 | 1415.82 | 369.86 | 0.61 |
| *J | 5075.000 | 1192.00 | 0.0 | 0.0 | 190.00 | 738.10 | 741.32 | 741.32 | 5.10 | 1934.37 | 2218.88 | 79.94 | 0.0 |
| * | 5075.000 | 1192.00 | 0.0 | 0.0 | 485.00 | 738.10 | 741.75 | 741.75 | 6.41 | 1899.12 | 2219.84 | 166.80 | 0.42 |
| * | 5125.000 | 50.00 | 0.0 | 0.0 | 190.00 | 739.50 | 742.74 | 742.74 | 4.94 | 1932.62 | 2218.88 | 83.24 | 0.0 |
| * | 5125.000 | 50.00 | 0.0 | 0.0 | 485.00 | 739.50 | 743.12 | 743.12 | 6.65 | 1899.55 | 2219.43 | 161.47 | 0.38 |
| *K | 5175.000 | 50.00 | 0.0 | 0.0 | 190.00 | 741.60 | 745.35 | 745.35 | 4.98 | 1935.45 | 2250.70 | 98.98 | 0.0 |
| * | 5175.000 | 50.00 | 0.0 | 0.0 | 485.00 | 741.60 | 745.56 | 745.56 | 6.82 | 1373.13 | 2254.54 | 182.45 | 0.21 |
| L | 5224.000 | 49.00 | 745.00 | 744.60 | 190.00 | 741.60 | 745.38 | 0.0 | 4.44 | 1383.30 | 2251.37 | 111.42 | 0.0 |
| | 5224.000 | 49.00 | 745.00 | 744.60 | 485.00 | 741.60 | 745.62 | 0.0 | 5.56 | 1368.70 | 2255.92 | 218.27 | 0.24 |
| * | 5274.000 | 50.00 | 0.0 | 0.0 | 190.00 | 743.00 | 746.24 | 746.24 | 4.92 | 1932.35 | 2218.89 | 83.74 | 0.0 |
| * | 5274.000 | 50.00 | 0.0 | 0.0 | 485.00 | 743.00 | 746.65 | 746.65 | 6.38 | 1899.07 | 2219.88 | 167.31 | 0.40 |
| *M | 5324.000 | 50.00 | 0.0 | 0.0 | 190.00 | 744.40 | 747.63 | 747.63 | 5.03 | 1933.59 | 2218.86 | 81.39 | 0.0 |
| * | 5324.000 | 50.00 | 0.0 | 0.0 | 485.00 | 744.40 | 748.02 | 748.02 | 6.68 | 1899.60 | 2219.38 | 160.79 | 0.39 |

| SECNO | XLCH | ELTRD | ELLC | Q | ELMIN | WSEL | CRWS | VCH | SSTA | ENDST | AREA | DIFWSP |
|--------------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|--------|
| * N 5580,000 | 256,00 | 0,0 | 0,0 | 185,00 | 755,60 | 758,24 | 758,24 | 7,56 | 1349,65 | 1405,67 | 51,10 | 0,0 |
| * 5580,000 | 256,00 | 0,0 | 0,0 | 454,00 | 755,60 | 758,99 | 758,99 | 9,67 | 1332,48 | 1413,54 | 102,32 | 0,75 |
| * 5630,000 | 50,00 | 0,0 | 0,0 | 185,00 | 756,60 | 759,19 | 759,19 | 7,95 | 1350,77 | 1405,16 | 48,41 | 0,0 |
| * 5630,000 | 50,00 | 0,0 | 0,0 | 454,00 | 756,60 | 759,96 | 759,96 | 9,87 | 1353,09 | 1413,26 | 100,19 | 0,77 |
| * O 5680,000 | 50,00 | 0,0 | 0,0 | 185,00 | 759,80 | 760,37 | 760,37 | 2,72 | 1790,47 | 3500,71 | 59,28 | 0,0 |
| 5680,000 | 50,00 | 0,0 | 0,0 | 454,00 | 759,80 | 760,80 | 0,0 | 2,13 | 1766,69 | 3500,94 | 170,37 | 0,43 |
| * P 5720,000 | 40,00 | 759,80 | 790,90 | 185,00 | 759,80 | 760,54 | 0,0 | 1,59 | 1780,83 | 3500,80 | 38,38 | 0,0 |
| 5720,000 | 40,00 | 759,80 | 790,90 | 454,00 | 759,80 | 760,93 | 0,0 | 1,68 | 1759,30 | 3501,36 | 214,86 | 0,39 |
| * 5770,000 | 50,00 | 0,0 | 0,0 | 185,00 | 760,90 | 763,50 | 763,50 | 7,88 | 1350,58 | 1405,25 | 48,87 | 0,0 |
| * 5770,000 | 50,00 | 0,0 | 0,0 | 454,00 | 760,90 | 764,22 | 764,22 | 10,18 | 1334,04 | 1412,82 | 96,91 | 0,72 |
| * Q 5820,000 | 50,00 | 0,0 | 0,0 | 185,00 | 761,90 | 764,51 | 764,51 | 7,79 | 1350,33 | 1405,36 | 49,46 | 0,0 |
| * 5820,000 | 50,00 | 0,0 | 0,0 | 454,00 | 761,90 | 765,23 | 765,23 | 10,09 | 1333,76 | 1412,95 | 97,88 | 0,72 |

SUMMARY OF ERRORS

CAUTION SECNO= 415,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 465,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 465,000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 515,000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 515,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 515,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 578,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 578,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 578,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 628,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 628,000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2815,000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2815,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2815,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2815,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2815,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2815,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2865,000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2865,000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2865,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2865,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2865,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2915,000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2915,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2915,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2915,000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2915,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2915,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

| | | | |
|---------|-----------------|------------|-------------------------------------|
| CAUTION | SECNO= 2965.000 | PROFILE= 1 | HYDRAULIC JUMP D.S. |
| CAUTION | SECNO= 3015.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3015.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3015.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 3015.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3015.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3015.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 3065.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3065.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3065.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 3065.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3065.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3065.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 3488.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3488.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3488.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 3488.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 3488.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 3488.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5075.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5075.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5075.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5075.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5075.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5075.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5125.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5125.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5125.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5125.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5125.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5125.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5175.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5175.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5175.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5175.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5175.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5175.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5274.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5274.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5274.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5274.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5274.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5274.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5324.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5324.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5324.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5324.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5324.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5324.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5580.000 | PROFILE= 1 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5580.000 | PROFILE= 1 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5580.000 | PROFILE= 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |
| CAUTION | SECNO= 5580.000 | PROFILE= 2 | CRITICAL DEPTH ASSUMED |
| CAUTION | SECNO= 5580.000 | PROFILE= 2 | PROBABLE MINIMUM SPECIFIC ENERGY |
| CAUTION | SECNO= 5580.000 | PROFILE= 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL |

CAUTION SECNO= 5630.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5630.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5630.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5630.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5630.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 5680.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5680.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 5720.000 PROFILE= 1 TRIAL AND ERROR FOR CHANNL Q FAILED

CAUTION SECNO= 5770.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5770.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5770.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5770.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5770.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5770.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5820.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5820.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5820.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5820.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5820.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

| SECTION NUMBER | CUMULATIVE DISTANCE | ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND | | |
|----------------|---------------------|---|-------|-------|
| | | 10' | 2' | 0.2' |
| 415.000 | 0. | 694.1 | 697.4 | 0.0 |
| 465.000 | 50. | 686.0 | 698.6 | ***** |
| 515.000 | 100. | 231.4 | 233.4 | ***** |
| 528.000 | 113. | 2.4 | 3.2 | ***** |
| 578.000 | 163. | 697.0 | 699.3 | 0.0 |
| 628.000 | 213. | 376.5 | 378.7 | 371.6 |
| 1715.000 | 1300. | ***** | ***** | ***** |
| 2815.000 | 2400. | 18.3 | 19.7 | -1.0 |
| 2865.000 | 2450. | 713.5 | 715.0 | ***** |
| 2915.000 | 2500. | 140.9 | 142.3 | ***** |
| 2965.000 | 2550. | 22.2 | 23.3 | ***** |
| 3015.000 | 2600. | 719.9 | 721.4 | 0.0 |
| 3065.000 | 2650. | 400.8 | 402.4 | 372.4 |
| 3338.000 | 2923. | ***** | ***** | ***** |
| 3388.000 | 2973. | 724.7 | 726.0 | 0.0 |
| 3438.000 | 3023. | 720.6 | 721.6 | ***** |
| 3488.000 | 3073. | ***** | ***** | ***** |
| 3508.000 | 3093. | 12.4 | 12.9 | 0.0 |
| 3558.000 | 3143. | 727.3 | 727.8 | 11.0 |
| 3608.000 | 3193. | 449.3 | 449.9 | 435.1 |
| 3638.000 | 3223. | ***** | ***** | ***** |
| 3688.000 | 3273. | 727.3 | 728.2 | 0.0 |
| 3738.000 | 3323. | 719.2 | 720.1 | ***** |
| 3783.000 | 3368. | ***** | ***** | ***** |
| 3833.000 | 3418. | 9.1 | 9.7 | ***** |
| 3883.000 | 3468. | 728.3 | 728.9 | 128.0 |
| 5075.000 | 4660. | 463.3 | 463.7 | 439.1 |
| 5125.000 | 4710. | ***** | ***** | ***** |
| 5175.000 | 4760. | 745.3 | 745.6 | 0.0 |
| 5224.000 | 4809. | 737.6 | 737.9 | ***** |
| 5274.000 | 4859. | ***** | ***** | ***** |
| 5324.000 | 4909. | 23.0 | 23.4 | ***** |
| 5580.000 | 5165. | 758.2 | 759.0 | 0.0 |
| 5630.000 | 5215. | 481.2 | 482.0 | 442.1 |
| 5680.000 | 5265. | ***** | ***** | ***** |
| 5720.000 | 5305. | 760.5 | 760.9 | 0.0 |
| 5770.000 | 5355. | 758.6 | 759.4 | ***** |
| 5820.000 | 5405. | ***** | ***** | ***** |

WEIGHTED AVG FOR REACH *****

FHE FOR THE REACH = 200 WITH 0.0% OF THE REACH WITHIN 3.0 FEET
 ZONE FOR THE REACH = A30

INC NO. TOTAL LENGTH AVG ELEVATION DATA WTD. AVG. FHF PERCENT WITHIN

| INC NO. | TOTAL LENGTH | AVG 100 | ELEVATION 10 | DATA DIFF. | WTD. AVG. | FHF | PERCENT WITHIN |
|---------|--------------|---------|--------------|------------|-----------|---------------|----------------|
| | 0. | | | | | SEC. 415,000 | |
| 1 | 100. | 695.2 | 9.1 | 686.0 | 686.0 | 005 100. | |
| | 50. | | | | | SEC. 465,000 | |
| | 100. | | | | | SEC. 515,000 | |
| | 113. | | | | | SEC. 523,000 | |
| | 163. | | | | | SEC. 578,000 | |
| 2 | 200. | 697.2 | 118.2 | 578.4 | 632.2 | 005 0. | |
| | 213. | | | | | SEC. 626,000 | |
| 3 | 300. | 697.7 | 342.1 | 355.6 | 540.0 | 005 0. | |
| 4 | 400. | 698.3 | 512.9 | 179.5 | 449.9 | 003 0. | |
| 5 | 500. | 698.9 | 663.3 | 35.6 | 367.0 | 005 0. | |
| 6 | 600. | 699.5 | 807.7 | -108.2 | 287.8 | 005 0. | |
| 7 | 700. | 700.1 | 952.1 | -252.1 | 210.7 | 005 0. | |
| 8 | 800. | 700.7 | 1096.6 | -395.9 | 134.9 | 005 0. | |
| 9 | 900. | 701.3 | 1241.0 | -539.7 | 59.9 | 005 0. | |
| 10 | 1000. | 701.8 | 1385.4 | -683.6 | -14.4 | 140 0. | |
| 11 | 1100. | 702.4 | 1529.9 | -827.4 | -88.3 | 200 0. | |
| 12 | 1200. | 703.0 | 1674.3 | -971.3 | ***** | 200 0. | |
| | 1300. | | | | | SEC. 1715,000 | |
| 13 | 1300. | 703.6 | 1818.7 | ***** | ***** | 200 0. | |
| 14 | 1400. | 704.4 | 1836.6 | ***** | ***** | 200 0. | |
| 15 | 1500. | 705.4 | 1726.1 | ***** | ***** | 200 0. | |
| 16 | 1600. | 706.4 | 1619.5 | -913.1 | ***** | 200 0. | |
| 17 | 1700. | 707.4 | 1510.9 | -803.5 | ***** | 200 0. | |
| 18 | 1800. | 708.4 | 1402.3 | -694.0 | ***** | 200 0. | |
| 19 | 1900. | 709.4 | 1293.8 | -584.4 | ***** | 200 0. | |
| 20 | 2000. | 710.4 | 1185.2 | -474.8 | ***** | 200 0. | |
| 21 | 2100. | 711.4 | 1076.6 | -365.3 | ***** | 200 0. | |
| 22 | 2200. | 712.4 | 968.0 | -255.7 | ***** | 200 0. | |
| 23 | 2300. | 713.4 | 859.5 | -146.1 | ***** | 200 0. | |
| | 2400. | | | | | SEC. 2815,000 | |
| 24 | 2400. | 714.4 | 750.9 | -36.5 | ***** | 200 4. | |
| | 2450. | | | | | SEC. 2865,000 | |
| 25 | 2500. | 716.9 | 637.3 | 79.6 | ***** | 200 0. | |
| | 2500. | | | | | SEC. 2915,000 | |
| | 2550. | | | | | SEC. 2965,000 | |
| 26 | 2600. | 719.6 | 348.5 | 371.1 | ***** | 200 0. | |
| | 2600. | | | | | SEC. 3015,000 | |
| | 2650. | | | | | SEC. 3065,000 | |
| 27 | 2700. | 722.1 | 462.3 | 259.8 | ***** | 200 0. | |
| 28 | 2800. | 722.9 | 886.2 | -163.3 | ***** | 200 0. | |
| 29 | 2900. | 723.9 | 1451.4 | -727.5 | ***** | 200 0. | |
| | 2923. | | | | | SEC. 3338,000 | |
| | 2973. | | | | | SEC. 3392,000 | |
| 30 | 3000. | 724.9 | 1.3 | 723.6 | ***** | 200 0. | |
| | 3023. | | | | | SEC. 3438,000 | |
| | 3073. | | | | | SEC. 3488,000 | |
| | 3093. | | | | | SEC. 3508,000 | |
| 31 | 3100. | 727.3 | 664.0 | 62.5 | ***** | 200 0. | |
| | 3143. | | | | | SEC. 3558,000 | |
| | 3193. | | | | | SEC. 3608,000 | |
| 32 | 3200. | 727.3 | 400.5 | 326.8 | ***** | 200 0. | |
| | 3223. | | | | | SEC. 3638,000 | |
| | 3273. | | | | | SEC. 3688,000 | |
| 33 | 3300. | 727.4 | 2.2 | 725.1 | ***** | 200 0. | |
| | 3323. | | | | | SEC. 3738,000 | |
| | 3368. | | | | | SEC. 3783,000 | |
| 34 | 3400. | 728.2 | 2246.3 | ***** | ***** | 200 0. | |
| | 3418. | | | | | SEC. 3833,000 | |
| | 3463. | | | | | SEC. 3883,000 | |
| 35 | 3500. | 728.4 | 3.7 | 724.7 | ***** | 200 0. | |

MADE IN U.S.A.

| | | | | | | | |
|----|-------|-------|--------|--------|-------|------|----------|
| 36 | 3600. | 729.2 | 19.1 | 710.0 | ***** | 200 | 0. |
| 37 | 3700. | 730.3 | 42.4 | 687.8 | ***** | 200 | 0. |
| 38 | 3800. | 731.4 | 65.8 | 665.6 | ***** | 200 | 0. |
| 39 | 3900. | 732.4 | 89.1 | 643.4 | ***** | 200 | 0. |
| 40 | 4000. | 733.5 | 112.4 | 621.1 | ***** | 200 | 0. |
| 41 | 4100. | 734.6 | 135.7 | 598.9 | ***** | 200 | 0. |
| 42 | 4200. | 735.7 | 159.1 | 576.7 | -98.1 | 200 | 0. |
| 43 | 4300. | 736.8 | 182.4 | 554.5 | -82.9 | 200 | 0. |
| 44 | 4400. | 737.9 | 205.7 | 532.2 | -68.9 | 200 | 0. |
| 45 | 4500. | 739.0 | 229.0 | 510.0 | -56.0 | 200 | 0. |
| 46 | 4600. | 740.1 | 252.3 | 487.8 | -44.2 | 200 | 0. |
| | 4660. | | | | | SEC. | 5075,000 |
| 47 | 4700. | 741.6 | 690.9 | 50.7 | -42.2 | 200 | 0. |
| | 4710. | | | | | SEC. | 5125,000 |
| | 4760. | | | | | SEC. | 5175,000 |
| 48 | 4800. | 745.4 | 3.2 | 742.2 | -25.9 | 200 | 0. |
| | 4809. | | | | | SEC. | 5224,000 |
| | 4859. | | | | | SEC. | 5274,000 |
| 49 | 4900. | 746.8 | 2266.5 | ***** | -56.3 | 200 | 0. |
| | 4909. | | | | | SEC. | 5324,000 |
| 50 | 5000. | 749.4 | 831.0 | -81.6 | -56.9 | 200 | 0. |
| 51 | 5100. | 753.5 | 325.5 | 428.0 | -47.3 | 200 | 0. |
| | 5165. | | | | | SEC. | 5580,000 |
| 52 | 5200. | 757.2 | 189.3 | 567.9 | -35.5 | 200 | 2. |
| | 5215. | | | | | SEC. | 5630,000 |
| | 5265. | | | | | SEC. | 5680,000 |
| 53 | 5300. | 760.4 | 767.9 | -7.4 | -35.0 | 200 | 2. |
| | 5305. | | | | | SEC. | 5720,000 |
| | 5355. | | | | | SEC. | 5770,000 |
| 54 | 5400. | 764.0 | 1572.3 | -608.3 | -49.3 | 200 | 0. |
| | 5405. | | | | | SEC. | 5820,000 |

THIS REACH CAN BE SUBDIVIDED BY INC. NO. TO MEET FIA REQUIREMENTS
INPUT 20N. WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC. NO. FOR EXAMPLE 202 1 54
A NEGATIVE INC. NO. WILL SUPPRESS INTERMEDIATE INC. OUTPUT.

MADE IN U.S.A.

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

EJ

MADE IN U.S.A.

123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

ROWAN COUNTY
TOWN OF GRANIT QUARRY
TREXLER CREEK

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

MADE IN U.S.A.

PROGRAMMER=NAK ACCOUNT=RTI-A25-PO3076

JOB TURN-AROUND

JOB PARAMETERS

TIME USED INCLUDES

MISC. JOB VALUES

| | DATE | TIME | SPECIFIED | USED | | NO. | EQUIVALENT | | | |
|-------------------------|----------|------------|-----------|--------|--------|------------------|------------|----------|--------------|-------------|
| ENTERED | 10/06/77 | 16:00:04.5 | TIME | 2:00.0 | 0:32.7 | CPU | 0:15.5 | LINES IN | 298 | |
| EXECUTED | 10/06/77 | 18:50:29.1 | PAGES | 200 | 267 | OR EXCPS | 1781 | 0:07.1 | LINES OUT | 1396 |
| RETURNED | 10/07/77 | 12:54:38.1 | CARDS | 0 | 0 | DISK EXCPS | 501 | 0:10.0 | MEMORY TIME | 16345 K-SEC |
| JOB ENTERED ON THURSDAY | | | PLOTS | 0 | 0 | TAPE READ-WRITE | | 0:00.0 | PRIORITY | 00 |
| | | | | | | TAPE FILE SEARCH | | 0:00.0 | APPROX. COST | 57.48 |

JOB 388 2005 0 L E 1 0 3

10.50.26 JOB 388 -- RAK350 -- JCL INTERPRETED, TACC CPU 62
 10.50.28 JOB 388 -- RAK350 -- BEGINNING EXECUTE INIT 5 -- CLASS
 10.50.29 JOB 388 ++++RSENRSTYR(TURAK350 18:50:29 RAK
 10.52.15 JOB 388 END EXECUTION.

HLOC RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR = 01

MODIFICATION = 50,51,52

T1 GRANITE QUARRY-ROWAN CO. STN 3-350 UNGRADED
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
T3 10 YEAR FLOOD WATER SURFACE PROFILE

| JJ | ICHECK | IBC | MINV | YDIR | STRT | METRIC | HVINS | 0 | WSEL | FO |
|----|--------|-----|------|------|----------|--------|-------|----|---------|-----|
| | -1. | 2. | 0. | 0. | 0.005000 | 0.0 | 0.0 | 0. | 702.600 | 0.0 |

| JZ | IPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHDIM | ITRACE |
|----|-------|-------|--------|-------|-------|-----|-------|-----|-------|--------|
| | 0.0 | 0.0 | -1.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

J5 VARIABLE CODES FOR SUMMARY PRINTOUT

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|
| 38.000 | 39.000 | 40.000 | 41.000 | 43.000 | 42.000 | 1.000 | 2.000 | 26.000 | 53.000 |
|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|

| | | | | | | | | | |
|--------|--------|--------|-----|---------|-----|-----|-----|-----|-----|
| 54.000 | 25.000 | 50.000 | 0.0 | 201.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|--------|--------|--------|-----|---------|-----|-----|-----|-----|-----|

J5 LPRINT CODES *****REQUESTED SECTION NUMBERS*****

| | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| -10.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|

| | | | | | | | | | | |
|----|-------|---------|----------|----------|----------|----------|-----|-----|-----|-----|
| MC | 0.055 | 0.155 | 0.035 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AT | 5.000 | 657.000 | 1133.000 | 1436.000 | 2003.000 | 1436.000 | 0.0 | 0.0 | 0.0 | 0.0 |
| ET | 5.000 | 0.0 | 5.0 | 0.0 | 0.0 | 10.400 | 0.0 | 0.0 | 0.0 | 0.0 |

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|----|---------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| Q1 | 240.000 | 19.000 | 1528.000 | 1620.000 | 210.000 | 240.000 | 280.000 | 0.0 | 0.0 | 0.0 |
| SR | 721.200 | 1000.000 | 707.700 | 1100.000 | 703.000 | 1200.000 | 703.300 | 1300.000 | 702.900 | 1400.000 |
| SR | 703.200 | 1500.000 | 703.700 | 1598.000 | 698.400 | 1594.000 | 697.600 | 1600.000 | 698.200 | 1606.000 |
| SR | 704.000 | 1620.000 | 705.000 | 1635.000 | 704.700 | 1700.000 | 705.900 | 1800.000 | 706.800 | 1900.000 |
| SR | 709.300 | 2000.000 | 714.700 | 2100.000 | 717.200 | 2200.000 | 719.500 | 2290.000 | 0.0 | 0.0 |
| DT | 57000 | 648.000 | 1117.000 | 1397.000 | 1691.000 | 1397.000 | 0.0 | 0.0 | 0.0 | 0.0 |

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|----|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| Q1 | 492.000 | 17.000 | 1526.000 | 1644.000 | 319.000 | 319.000 | 319.000 | 0.0 | -2.500 | 0.0 |
| SR | 725.100 | 1000.000 | 720.700 | 1100.000 | 717.700 | 1200.000 | 711.600 | 1273.000 | 708.100 | 1300.000 |
| SR | 707.500 | 1326.000 | 712.000 | 1332.000 | 701.500 | 1334.000 | 701.700 | 1339.000 | 707.000 | 1344.000 |
| SR | 705.400 | 1400.000 | 709.500 | 1500.000 | 712.400 | 1500.000 | 716.700 | 1700.000 | 718.500 | 1800.000 |
| SR | 721.500 | 1900.000 | 722.800 | 2000.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|----|---------|-------|-------|-------|--------|--------|--------|-----|-------|-----|
| Q3 | 600.000 | 0.0 | 0.0 | 0.0 | 50.000 | 50.000 | 50.000 | 0.0 | 0.300 | 0.0 |
| MC | 0.000 | 0.160 | 0.040 | 0.100 | 0.300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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|----|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| Q1 | 693.000 | 20.000 | 1590.400 | 1395.600 | 50.000 | 50.000 | 50.000 | 0.0 | 0.0 | 0.0 |
| SR | 720.300 | 1000.000 | 716.100 | 1100.000 | 712.000 | 1200.000 | 708.200 | 1300.000 | 707.300 | 1350.000 |
| SR | 706.200 | 1359.000 | 705.600 | 1395.000 | 702.500 | 1390.400 | 700.700 | 1391.000 | 699.900 | 1392.000 |
| SR | 697.700 | 1593.000 | 699.900 | 1374.000 | 700.700 | 1395.000 | 702.300 | 1395.600 | 705.100 | 1403.000 |
| SR | 703.500 | 1459.000 | 706.500 | 1539.000 | 710.500 | 1639.000 | 714.800 | 1759.000 | 716.000 | 1800.000 |

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SB 0.900 1.500 2.500 0.0 5.200 0.010 21.000 0.0 0.0 0.0

X1 730.000 0.0 0.0 0.0 31.000 31.000 31.000 0.0 0.0 0.0
X2 0.0 0.0 1.000 704.900 706.500 0.0 0.0 0.0 0.0 0.0
BT 16.000 1000.700 720.300 0.0 1100.000 716.100 0.0 1200.000 712.000 0.0
BT 1390.000 703.200 0.0 1390.400 706.500 702.300 1391.000 706.500 703.900 1392.000
BT 703.500 704.700 1393.000 706.500 704.900 1394.000 706.500 704.700 1395.000 703.500
BT 703.900 1395.400 706.500 702.300 1400.000 706.500 0.0 1500.000 706.800 0.0
BT 1600.000 710.400 0.0 1700.000 714.000 0.0 1800.000 716.000 0.0 0.0
XC 0.055 0.055 0.055 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 805.000 17.000 1326.000 1344.000 75.000 75.000 75.000 0.0 -0.500 0.0
GR 723.100 1000.000 720.700 1100.000 717.700 1200.000 711.600 1273.000 708.100 1300.000
GR 707.500 1326.100 702.000 1332.000 701.600 1334.000 701.700 1339.000 707.000 1344.000
GR 703.400 1400.000 706.500 1500.000 712.400 1600.000 716.700 1700.000 718.500 1800.000
GR 720.600 1900.100 722.000 2000.000 0.0 0.0 0.0 0.0 0.0 0.0
BT 5.000 637.000 1116.000 1345.000 1889.000 1345.000 0.0 0.0 0.0 0.0

X1 355.000 0.0 0.0 0.0 150.000 150.000 150.000 0.0 0.500 0.0
XC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1030.000 23.000 1420.200 1431.400 75.000 75.000 75.000 0.0 0.0 0.0
GR 732.300 1000.000 722.700 1092.000 720.300 1192.000 717.300 1292.000 711.200 1365.000
GR 707.700 1392.000 707.100 1418.000 705.000 1420.200 701.200 1420.200 701.200 1424.100
GR 705.000 1424.100 705.800 1428.400 704.700 1429.000 704.300 1429.900 704.800 1431.000
GR 705.800 1431.400 706.600 1436.000 705.000 1492.000 708.100 1592.000 712.000 1692.000
GR 716.300 1792.000 718.100 1692.000 719.500 1940.000 0.0 0.0 0.0 0.0
SB 0.900 1.500 2.500 0.0 6.900 0.010 27.000 0.0 0.0 0.0

X1 1110.000 0.0 0.0 0.0 80.000 80.000 80.000 0.0 0.0 0.0
X2 0.0 0.0 1.000 707.300 719.300 0.0 0.0 0.0 0.0 0.0
BT 17.000 1000.000 732.300 0.0 1100.000 730.800 0.0 1200.000 729.100 0.0
BT 1500.000 727.900 0.0 1400.000 724.900 0.0 1420.200 724.800 706.400 1424.100
BT 724.800 706.800 1428.400 724.700 705.800 1429.000 724.700 707.000 1429.900 724.700
BT 707.300 1431.000 724.700 706.800 1431.400 724.700 705.800 1500.000 723.600 0.0
BT 1500.000 722.700 0.0 1700.000 722.500 0.0 1500.000 721.200 0.0 1940.000
BT 719.300 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
XC 0.055 0.055 0.055 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1110.000 17.000 1326.000 1344.000 50.000 50.000 50.000 0.0 0.0 0.0
GR 723.100 1000.000 720.700 1100.000 717.700 1200.000 711.600 1273.000 708.100 1300.000
GR 707.500 1326.100 702.000 1332.000 701.600 1334.000 701.700 1339.000 707.000 1344.000
GR 703.400 1400.000 706.500 1500.000 712.400 1600.000 716.700 1700.000 718.500 1800.000
GR 720.600 1900.100 722.000 2000.000 0.0 0.0 0.0 0.0 0.0 0.0

X1 1210.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.200 0.0
BT 5.000 622.000 1031.000 1302.000 1925.000 1302.000 0.0 0.0 0.0 0.0

X1 1370.000 11.000 1100.000 1111.000 660.000 660.000 660.000 0.0 0.0 0.0
GR 725.200 1000.000 710.000 1038.000 709.200 1100.000 705.200 1103.000 704.900 1105.000
GR 705.200 1103.000 703.000 1111.000 711.500 1200.000 714.300 1300.000 719.300 1400.000
GR 724.100 1500.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1970.000 0.0 0.0 0.0 100.000 100.000 100.000 0.0 1.500 0.0
XC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 2020,000 | 19,000 | 1326,000 | 1334,000 | 50,000 | 50,000 | 50,000 | 0,0 | 0,0 | 0,0 |
| GR | 731,600 | 1000,000 | 724,700 | 1100,000 | 719,100 | 1200,000 | 717,700 | 1264,000 | 712,300 | 1283,000 |
| GR | 711,500 | 1325,000 | 711,200 | 1326,000 | 708,600 | 1327,000 | 707,800 | 1328,000 | 707,200 | 1330,000 |
| GR | 707,800 | 1332,000 | 708,600 | 1333,000 | 711,200 | 1334,000 | 713,800 | 1425,000 | 715,400 | 1485,000 |
| GR | 715,300 | 1500,000 | 718,400 | 1500,000 | 724,400 | 1700,000 | 729,500 | 1800,000 | 0,0 | 0,0 |
| SR | 0,900 | 1,500 | 2,500 | 0,0 | 0,000 | 0,010 | 50,000 | 0,0 | 0,0 | 0,0 |

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|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 2051,000 | 0,0 | 0,0 | 0,0 | 41,000 | 41,000 | 41,000 | 0,0 | 0,0 | 0,0 |
| X2 | 0,0 | 0,0 | 1,000 | 715,200 | 715,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| BT | 15,000 | 1000,000 | 731,600 | 0,0 | 1100,000 | 724,700 | 0,0 | 1200,000 | 719,100 | 0,0 |
| BT | 1301,000 | 716,300 | 0,0 | 1326,000 | 716,900 | 711,200 | 1327,000 | 716,900 | 713,300 | 1328,000 |
| BT | 716,900 | 716,500 | 1330,000 | 716,900 | 715,200 | 1332,000 | 715,900 | 714,600 | 1333,000 | 716,900 |
| BT | 713,800 | 1334,000 | 716,200 | 711,200 | 1400,000 | 715,600 | 0,0 | 1500,000 | 715,300 | 0,0 |
| BT | 1600,000 | 718,000 | 0,0 | 1700,000 | 724,400 | 0,0 | 1800,000 | 729,500 | 0,0 | 0,0 |
| TC | 0,015 | 0,055 | 0,055 | 0,100 | 0,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 2111,000 | 11,000 | 1100,000 | 1111,000 | 50,000 | 50,000 | 50,000 | 0,0 | 3,100 | 0,0 |
| GR | 725,200 | 1000,000 | 710,000 | 1056,000 | 709,200 | 1100,000 | 705,200 | 1103,000 | 704,900 | 1105,000 |
| GR | 705,200 | 1108,000 | 708,000 | 1111,000 | 711,500 | 1200,000 | 714,300 | 1300,000 | 719,300 | 1400,000 |
| GR | 724,100 | 1500,000 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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|----|----------|---------|----------|----------|----------|----------|---------|-----|-------|-----|
| X1 | 2211,000 | 0,0 | 0,0 | 0,0 | 100,000 | 100,000 | 100,000 | 0,0 | 1,500 | 0,0 |
| BT | 15,000 | 621,000 | 1000,000 | 1501,000 | 1824,000 | 1301,000 | 0,0 | 0,0 | 0,0 | 0,0 |

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|----|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 3230,000 | 12,000 | 1200,000 | 1220,000 | 1079,000 | 1079,000 | 1079,000 | 0,0 | -0,100 | 0,0 |
| GR | 739,400 | 1000,000 | 732,500 | 1130,000 | 721,500 | 1135,000 | 720,500 | 1200,000 | 716,900 | 1210,000 |
| GR | 719,800 | 1212,000 | 716,900 | 1214,000 | 721,000 | 1220,000 | 723,900 | 1300,000 | 728,300 | 1400,000 |
| GR | 732,400 | 1500,000 | 735,300 | 1500,000 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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|----|----------|-------|-------|-------|--------|--------|--------|-----|-------|-----|
| X1 | 3340,000 | 0,0 | 0,0 | 0,0 | 50,000 | 50,000 | 50,000 | 0,0 | 0,100 | 0,0 |
| TC | 0,025 | 0,025 | 0,025 | 0,100 | 0,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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| X1 | 3390,000 | 13,000 | 1300,000 | 1399,500 | 50,000 | 50,000 | 50,000 | 0,0 | 0,0 | 0,0 |
| GR | 747,200 | 1000,000 | 746,400 | 1100,000 | 743,500 | 1200,000 | 739,200 | 1300,000 | 734,200 | 1380,000 |
| GR | 722,500 | 1468,000 | 721,000 | 1420,000 | 721,300 | 1405,000 | 718,100 | 1485,000 | 718,100 | 1499,500 |
| GR | 722,300 | 1499,500 | 725,200 | 1310,000 | 729,600 | 1680,000 | 733,700 | 1780,000 | 737,600 | 1880,000 |
| GR | 731,100 | 1500,000 | 736,900 | 2000,000 | 749,200 | 2060,000 | 0,0 | 0,0 | 0,0 | 0,0 |
| SR | 1,200 | 1,000 | 0,0 | 0,0 | 10,500 | 0,500 | 112,000 | 0,0 | 0,0 | 0,0 |

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|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 3400,000 | 0,0 | 0,0 | 0,0 | 100,000 | 100,000 | 100,000 | 0,0 | 0,0 | 0,0 |
| GR | 738,000 | 1000,000 | 738,000 | 726,100 | 731,000 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| BT | 15,000 | 1000,000 | 743,500 | 0,0 | 1100,000 | 746,500 | 0,0 | 1200,000 | 743,500 | 0,0 |
| BT | 1300,000 | 732,300 | 0,0 | 1300,000 | 735,000 | 0,0 | 1485,000 | 732,300 | 726,100 | 1499,500 |
| BT | 731,000 | 726,100 | 1420,000 | 731,700 | 0,0 | 1600,000 | 731,000 | 0,0 | 1700,000 | 733,000 |
| BT | 729,600 | 1499,500 | 736,700 | 0,0 | 1800,000 | 741,400 | 0,0 | 2000,000 | 746,400 | 0,0 |
| BT | 2000,000 | 749,200 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| TC | 0,01 | 0,035 | 0,035 | 0,100 | 0,300 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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| X1 | 3540,000 | 12,000 | 1200,000 | 1220,000 | 50,000 | 50,000 | 50,000 | 0,0 | 1,400 | 0,0 |
| GR | 755,400 | 1000,000 | 732,500 | 1100,000 | 721,500 | 1105,000 | 720,500 | 1200,000 | 716,900 | 1210,000 |
| GR | 716,900 | 1212,000 | 716,900 | 1214,000 | 721,000 | 1220,000 | 723,900 | 1300,000 | 728,300 | 1400,000 |
| GR | 732,400 | 1500,000 | 735,300 | 1500,000 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |

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|----|----------|---------|----------|----------|----------|---------|--------|-----|-------|-----|
| X1 | 3590,000 | 0,0 | 0,0 | 0,0 | 50,000 | 50,000 | 50,000 | 0,0 | 0,100 | 0,0 |
| BT | 15,000 | 621,000 | 1000,000 | 1499,000 | 1112,000 | 749,000 | 0,0 | 0,0 | 0,0 | 0,0 |

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