

TRENT

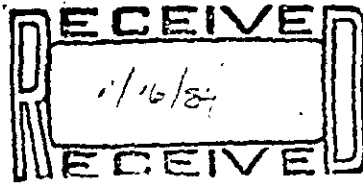
RIVER

TETRA TECH

28 JUN 83 09.25.52

PAGE 1

 HEC2 RELEASE DATED NOV 75 UPDATED MARCH 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55



THIS RUN EXECUTED 28 JUN 83 09.25.52

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
 T2 TRENT RIVER
 T3 BASE FLOOD

| J1 | ICHECK | INQ | NIVV | IDIR | STRT | METRIC | NVINS | Q | WSEL | FG |
|----|-------------------------------------|----------|-------------------------------------|-----------|-----------|-----------|---------|----------|---------|----------|
| | -0. | 4. | -0. | -0. | -0. | -0. | -0. | -0. | .300 | -0. |
| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 1.000 | -0. | -1.000 | -0. | -0. | -0. | -1.000 | -0. | -0. | -0. |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT | | | | | | | | | |
| | 200.000 | 110.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| J5 | LPRNT | NUNSEC | *****REQUESTED SECTION NUMBERS***** | | | | | | | |
| | -10.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| J6 | IHLER | ICOPY | | | | | | | | |
| | 1.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| NC | .200 | .200 | .050 | .100 | .300 | -0. | -0. | -0. | -0. | -0. |
| ST | 5.000 | 7750.000 | 12242.000 | 14700.000 | 20948.000 | 14700.000 | -0. | -0. | -0. | -0. |
| ET | -0. | -0. | -0. | -0. | -0. | 10.400 | -0. | -0. | -0. | -0. |
| X1 | 1.100 | 43.000 | 439.000 | 1866.000 | -0. | -0. | -0. | -0. | -0. | -0. |
| GP | 4.300 | -0. | 3.400 | 200.000 | 3.000 | 400.000 | 2.300 | 420.000 | .400 | 439.000 |
| GR | -9.900 | 462.000 | -3.400 | 532.000 | -4.100 | 602.000 | -6.500 | 672.000 | -8.700 | 742.000 |
| GR | -9.900 | 912.000 | -9.600 | 882.000 | -10.600 | 952.000 | -11.100 | 1022.000 | -11.400 | 1057.000 |
| GR | -11.900 | 1092.000 | -12.600 | 1127.000 | -11.800 | 1162.000 | -11.900 | 1197.000 | -11.300 | 1232.000 |
| GR | -11.400 | 1267.000 | -11.600 | 1302.000 | -11.500 | 1337.000 | -11.100 | 1372.000 | -11.900 | 1407.000 |
| GR | -12.600 | 1442.000 | -12.600 | 1477.000 | -13.700 | 1512.000 | -12.300 | 1547.000 | -14.700 | 1594.000 |
| GR | -11.800 | 1641.000 | -10.000 | 1659.000 | -12.700 | 1676.000 | -14.200 | 1723.000 | -11.900 | 1770.000 |
| GR | -11.100 | 1805.000 | -9.700 | 1840.000 | .400 | 1866.000 | 3.400 | 1878.000 | 7.400 | 1883.000 |
| GR | 6.300 | 2120.000 | 5.200 | 2368.000 | 6.400 | 2641.000 | -0. | -0. | -0. | -0. |
| NC | -0. | -0. | -0. | .300 | .500 | -0. | -0. | -0. | -0. | -0. |
| X1 | 1.200 | 47.000 | 357.000 | 2082.000 | 100.000 | 100.000 | 100.000 | -0. | -0. | -0. |
| X3 | 10.000 | -0. | -0. | -0. | -0. | -0. | -0. | 11.300 | 5.200 | -0. |
| GR | 4.300 | -0. | 3.400 | 200.000 | 8.500 | 357.000 | 6.200 | 392.000 | -5.500 | 392.000 |
| GR | -4.00 | 427.000 | -9.900 | 462.000 | -3.400 | 532.000 | -4.100 | 602.000 | -6.500 | 672.000 |
| GR | -8.700 | 742.000 | -9.900 | 812.000 | -9.800 | 882.000 | -10.600 | 952.000 | -11.100 | 1022.000 |
| GR | -11.400 | 1057.000 | -11.900 | 1092.000 | -12.600 | 1127.000 | -11.800 | 1162.000 | -11.900 | 1197.000 |
| GR | -11.300 | 1232.000 | -11.400 | 1267.000 | -11.600 | 1302.000 | -11.500 | 1337.000 | -11.100 | 1372.000 |

| | | | | | | | | | | |
|----|---------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| AI | 5.000 | 21.000 | 559.000 | 1575.000 | 4000.000 | 2700.000 | 2976.000 | -0. | -0. | -0. |
| AR | 2.300 | -0. | 1.600 | 167.000 | 1.600 | 352.000 | .700 | 559.000 | -1.600 | 373.000 |
| SA | -6.100 | 473.000 | -17.500 | 573.000 | -17.600 | 673.000 | -16.000 | 773.000 | -10.600 | 873.000 |
| SA | -2.900 | 373.000 | -7.300 | 1075.000 | -4.400 | 1173.000 | -4.600 | 1273.000 | .700 | 1373.000 |
| SA | 1.900 | 1361.000 | 2.300 | 1401.000 | 3.000 | 1515.000 | 7.400 | 1515.000 | 10.600 | 1735.000 |
| SA | 7.300 | 1451.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| AT | -0. | -0. | -0. | -0. | -0. | 20.400 | -0. | -0. | -0. | -0. |
| AI | 4.000 | 26.000 | 453.000 | 2218.000 | 2100.000 | 1800.000 | 1830.000 | -0. | -0. | -0. |
| AR | 4.500 | -0. | 9.500 | 100.000 | 10.000 | 256.000 | 9.700 | 428.000 | 6.000 | 436.000 |
| SA | .700 | 453.000 | -5.200 | 553.000 | -7.400 | 653.000 | -8.600 | 753.000 | -10.600 | 853.000 |
| SA | -8.900 | 953.000 | -7.300 | 1053.000 | -6.700 | 1153.000 | -7.100 | 1253.000 | -6.700 | 1353.000 |
| SA | -6.300 | 1453.000 | -5.200 | 1553.000 | -5.600 | 1653.000 | -5.400 | 1753.000 | -5.100 | 1853.000 |
| SA | -4.200 | 1953.000 | -4.200 | 2053.000 | -2.900 | 2153.000 | 1.500 | 2218.000 | 5.000 | 2320.000 |
| SA | 5.000 | 2420.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| AI | 5.000 | 28.000 | 555.000 | 1910.000 | 4600.000 | 4000.000 | 4146.000 | -0. | -0. | -0. |
| AR | 21.700 | -0. | 23.200 | 260.000 | 23.200 | 492.000 | 3.300 | 536.000 | .700 | 555.000 |
| SA | -1.600 | 605.000 | -8.500 | 655.000 | -9.500 | 755.000 | -6.400 | 855.000 | -5.500 | 955.000 |
| SA | -7.100 | 1055.000 | -8.100 | 1155.000 | -7.600 | 1255.000 | -6.300 | 1355.000 | -5.300 | 1455.000 |
| SA | -4.800 | 1555.000 | -5.400 | 1655.000 | -5.000 | 1755.000 | -3.400 | 1855.000 | .700 | 1910.000 |
| SA | 1.700 | 1912.000 | 4.400 | 1912.000 | 6.100 | 1919.000 | 9.200 | 1938.000 | 10.400 | 1948.000 |
| SA | 10.600 | 2044.000 | 9.500 | 2152.000 | 12.900 | 2334.000 | -0. | -0. | -0. | -0. |
| AI | 6.000 | 27.000 | 484.000 | 1334.000 | 4000.000 | 4200.000 | 4202.000 | -0. | -0. | -0. |
| AR | 12.700 | -0. | 5.300 | 140.000 | 3.200 | 200.000 | 2.900 | 260.000 | 10.000 | 382.000 |
| SA | 11.600 | 427.000 | 1.400 | 469.000 | -600 | 469.000 | -600 | 484.000 | -2.600 | 524.000 |
| SA | -3.500 | 564.000 | -6.200 | 664.000 | -6.800 | 784.000 | -7.500 | 884.000 | -7.600 | 984.000 |
| SA | -14.200 | 1084.000 | -14.600 | 1184.000 | -5.200 | 1284.000 | -600 | 1334.000 | .500 | 1346.000 |
| SA | 3.900 | 1350.000 | 10.900 | 1363.000 | 11.100 | 1431.000 | 17.100 | 1515.000 | 17.600 | 1593.000 |
| SA | 14.800 | 1709.000 | 11.900 | 1823.000 | -0. | -0. | -0. | -0. | -0. | -0. |
| AI | 7.000 | 36.000 | 200.000 | 2024.000 | 2600.000 | 2500.000 | 2571.000 | -0. | -0. | -0. |
| AR | 14.500 | -0. | 14.200 | 50.000 | 12.000 | 104.000 | 9.100 | 149.000 | .100 | 184.000 |
| SA | -6.600 | 200.000 | -1.900 | 250.000 | -8.200 | 300.000 | -10.700 | 400.000 | -4.800 | 500.000 |
| SA | -4.600 | 600.000 | -4.500 | 700.000 | -4.900 | 800.000 | -5.200 | 900.000 | -5.200 | 1000.000 |
| SA | -6.400 | 1100.000 | -5.900 | 1200.000 | -5.200 | 1300.000 | -4.500 | 1400.000 | -3.900 | 1500.000 |
| SA | -4.100 | 1500.000 | -4.100 | 1700.000 | -4.500 | 1800.000 | -9.600 | 1900.000 | -11.300 | 2000.000 |
| SA | -1.600 | 2024.000 | .200 | 2024.000 | 1.900 | 2028.000 | 3.400 | 2031.000 | 5.000 | 2058.000 |
| SA | 13.600 | 2095.000 | 15.600 | 2179.000 | 15.500 | 2239.000 | 11.900 | 2329.000 | 12.900 | 2455.000 |
| SA | 12.600 | 2607.000 | -0. | -0. | -0. | -0. | -0. | -0. | -0. | -0. |
| AI | 5.000 | 35.000 | 1550.000 | 2810.000 | 4800.000 | 5000.000 | 4838.000 | -0. | -0. | -0. |
| AR | 14.100 | -0. | 17.700 | 174.000 | 5.200 | 242.000 | 4.800 | 288.000 | 2.100 | 318.000 |
| SA | .100 | 321.000 | -3.300 | 331.000 | -3.300 | 341.000 | -3.700 | 351.000 | -3.200 | 361.000 |
| SA | .100 | 371.000 | 1.300 | 372.000 | 1.400 | 632.000 | 1.600 | 906.000 | 1.600 | 1180.000 |
| SA | .100 | 1530.000 | .700 | 1550.000 | .100 | 1550.000 | -2.600 | 1580.000 | -4.500 | 1680.000 |
| SA | -4.700 | 1740.000 | -4.000 | 1840.000 | -2.300 | 1940.000 | -3.600 | 2040.000 | -5.200 | 2140.000 |
| SA | -8.700 | 2280.000 | -9.100 | 2380.000 | -9.700 | 2480.000 | -8.500 | 2580.000 | -5.100 | 2680.000 |
| SA | -2.800 | 2790.000 | .100 | 2810.000 | 13.000 | 2830.000 | 13.200 | 3030.000 | 13.100 | 3230.000 |

FLOODWAY DATA: BASE FLOOD
 PROFILE NO. 2

| STATION | FLOODWAY | | MEAN VELOCITY | WATER SURFACE ELEVATION | | DIFFERENCE |
|---------|----------|-----------------|------------------|-------------------------|---------------------|------------|
| | WIDTH | SECTION AREA | | WITH FLOODWAY | WITHOUT FLOODWAY | |
| 1.100 | 1427. | 16005. | .9 | 1.3 | .3 | 1.0 |
| 1.200 | 1651. | 16351. | .9 | 1.3 | .3 | 1.0 |
| 1.300 | 1650. | 16353. | .9 | 1.3 | .3 | 1.0 |
| 1.400 | 1427. | 16020. | .9 | 1.3 | .3 | 1.0 |
| 2.100 | 1830. | 20327. | .7 | 1.4 | .4 | 1.0 |
| 2.200 | 1830. | 20286. | .7 | 1.4 | .4 | 1.0 |
| 2.300 | 1825. | 19950. | .7 | 1.2 | .4 | .8 |
| 2.400 | 1830. | 20349. | .7 | 1.4 | .4 | 1.0 |
| 3.100 | 3159. | 17506. | .8 | 1.4 | .5 | .9 |
| 3.200 | 3190. | 17634. | .8 | 1.4 | .5 | .9 |
| 3.300 | 3167. | 16555. | .9 | 1.1 | .5 | .6 |
| 3.400 | 3190. | 17347. | .8 | 1.4 | .5 | .9 |
| 1.000 | 1332. | 13650. | 1.1 | 1.6 | .8 | .8 |
| 2.000 | 1223. | 16123. | .9 | 1.9 | 1.1 | .6 |
| 3.000 | 1014. | 11404. | 1.3 | 2.1 | 1.3 | .8 |
| 4.000 | 1765. | 14533. | 1.0 | 2.1 | 1.4 | .7 |
| 5.000 | 1355. | 11579. | 1.3 | 2.5 | 1.9 | .6 |
| 6.000 | 950. | 9890. | 1.5 | 2.9 | 2.4 | .5 |
| 7.000 | 1624. | 15004. | .9 | 3.1 | 2.6 | .5 |
| 8.000 | 1250. | 11681. | 1.3 | 3.4 | 3.0 | .4 |
| 9.000 | 441. | 4790. | 2.8 | 4.1 | 3.7 | .4 |
| 10.000 | 392. | 5571. | 2.4 | 5.1 | 4.7 | .4 |
| 11.000 | 234. | 4169. | 3.3 | 5.9 | 5.5 | .4 |
| 12.000 | 422. | 5141. | 2.6 | 6.0 | 5.6 | .4 |
| 13.000 | 310. | 4943. | 2.8 | 6.8 | 6.3 | .5 |
| 14.000 | 278. | 5623. | 2.3 | 7.3 | 6.7 | .6 |
| 15.000 | 233. | 4113. | 3.1 | 8.0 | 7.3 | .7 |

| SECNO | 2 | CASEL | DIF4SP | DIF4SX | DIF4NS | TDFWID | XLCH |
|--------|----------|-------|--------|--------|--------|---------|---------|
| 8.000 | 7750.00 | 1.41 | 0. | .22 | 0. | 1901.55 | 4838.00 |
| 8.000 | 12242.00 | 2.45 | 1.05 | .55 | 0. | 2493.76 | 4838.00 |
| 8.000 | 14700.00 | 3.04 | .53 | .40 | 0. | 2507.01 | 4838.00 |
| 8.000 | 20348.00 | 4.43 | 1.39 | .49 | 0. | 2524.55 | 4938.00 |
| 9.000 | 7133.00 | 1.73 | 0. | .38 | 0. | 551.30 | 3500.00 |
| 9.000 | 11520.00 | 3.05 | 1.26 | .59 | 0. | 793.32 | 3500.00 |
| 9.000 | 13515.00 | 3.71 | .66 | .67 | 0. | 637.70 | 3500.00 |
| 9.000 | 19434.00 | 5.24 | 1.53 | .81 | 0. | 850.75 | 3500.00 |
| 10.000 | 7133.00 | 2.34 | 0. | .55 | 0. | 1165.22 | 3560.00 |
| 10.000 | 11520.00 | 3.92 | 1.58 | .67 | 0. | 1390.79 | 3560.00 |
| 10.000 | 13515.00 | 4.71 | .79 | 1.00 | 0. | 1400.77 | 3560.00 |
| 10.000 | 19434.00 | 6.52 | 1.81 | 1.29 | 0. | 1423.54 | 3560.00 |
| 11.000 | 7133.00 | 2.75 | 0. | .42 | 0. | 371.17 | 3550.00 |
| 11.000 | 11520.00 | 4.53 | 1.52 | .65 | 0. | 460.33 | 3550.00 |
| 11.000 | 13515.00 | 5.46 | .90 | .77 | 0. | 504.42 | 3550.00 |
| 11.000 | 19434.00 | 7.51 | 2.03 | 1.00 | 0. | 705.03 | 3550.00 |
| 12.000 | 7133.00 | 4.65 | 0. | 1.30 | 0. | 655.11 | 3010.00 |
| 12.000 | 11520.00 | 7.02 | 2.37 | 2.44 | 0. | 1738.67 | 3010.00 |
| 12.000 | 13515.00 | 8.04 | 1.02 | 2.56 | 0. | 3021.27 | 3010.00 |
| 12.000 | 19434.00 | 10.02 | 1.39 | 2.51 | 0. | 5014.69 | 3010.00 |
| 13.000 | 7133.00 | 5.10 | 0. | .44 | 0. | 2497.47 | 3392.00 |
| 13.000 | 11520.00 | 7.55 | 2.45 | .52 | 0. | 3497.49 | 3392.00 |
| 13.000 | 13515.00 | 8.59 | 1.04 | .55 | 0. | 3923.97 | 3392.00 |
| 13.000 | 19434.00 | 10.63 | 2.04 | .60 | 0. | 4521.37 | 3392.00 |
| 14.000 | 5639.00 | 5.25 | 0. | .15 | 0. | 1179.32 | 2820.00 |
| 14.000 | 10653.00 | 7.74 | 2.49 | .19 | 0. | 1353.05 | 2820.00 |
| 14.000 | 12329.00 | 8.60 | 1.06 | .21 | 0. | 1427.16 | 2820.00 |
| 14.000 | 19420.00 | 10.83 | 2.06 | .26 | 0. | 1712.32 | 2820.00 |
| 15.000 | 5639.00 | 5.43 | 0. | .24 | 0. | 963.59 | 3715.00 |
| 15.000 | 10653.00 | 8.05 | 2.57 | .32 | 0. | 1010.27 | 3715.00 |
| 15.000 | 12329.00 | 9.17 | 1.11 | .37 | 0. | 1030.32 | 3715.00 |
| 15.000 | 19420.00 | 11.37 | 2.20 | .43 | 0. | 1071.35 | 3715.00 |

| SECNO | J | D.SEL | DIFNSP | DIFNSX | DIFK.S | TOPW!J | KLCH |
|-------|----------|-------|--------|--------|--------|---------|---------|
| 3-201 | 7750.00 | .35 | 0. | .00 | 0. | 2760.98 | 100.00 |
| 3-200 | 12242.00 | .44 | .08 | .01 | 0. | 2811.07 | 100.00 |
| 3-203 | 14700.00 | .50 | .06 | .01 | 0. | 2947.24 | 100.00 |
| 3-200 | 20948.00 | .67 | .19 | .02 | 0. | 2964.58 | 100.00 |
| 3-300 | 7750.00 | .35 | 0. | .00 | 0. | 2762.92 | 42.50 |
| 3-300 | 12242.00 | .44 | .09 | .00 | 0. | 2815.32 | 42.50 |
| 3-303 | 14700.00 | .51 | .06 | .01 | 0. | 2853.93 | 42.50 |
| 3-300 | 20948.00 | .70 | .20 | .01 | 0. | 2976.96 | 42.50 |
| 3-400 | 7750.00 | .35 | 0. | .00 | 0. | 2764.07 | 50.00 |
| 3-403 | 12242.00 | .45 | .09 | .00 | 0. | 2816.59 | 50.00 |
| 3-400 | 14700.00 | .51 | .06 | .01 | 0. | 2857.90 | 50.00 |
| 3-400 | 20948.00 | .72 | .20 | .01 | 0. | 2984.57 | 50.00 |
| 1-000 | 7750.00 | .46 | 0. | .10 | 0. | 1335.25 | 3400.00 |
| 1-000 | 12242.00 | .63 | .22 | .24 | 0. | 1336.83 | 3400.00 |
| 1-000 | 14700.00 | .84 | .15 | .33 | 0. | 1337.92 | 3400.00 |
| 1-000 | 20948.00 | 1.30 | .46 | .58 | 0. | 1341.17 | 3400.00 |
| 2-000 | 7750.00 | .54 | 0. | .05 | 0. | 1229.38 | 4598.00 |
| 2-000 | 12242.00 | .85 | .32 | .19 | 0. | 1232.44 | 4598.00 |
| 2-000 | 14700.00 | 1.03 | .22 | .24 | 0. | 1234.16 | 4598.00 |
| 2-000 | 20948.00 | 1.71 | .64 | .42 | 0. | 1271.98 | 4598.00 |
| 3-000 | 7750.00 | .60 | 0. | .06 | 0. | 1011.44 | 2976.00 |
| 3-000 | 12242.00 | 1.00 | .40 | .14 | 0. | 1017.98 | 2976.00 |
| 3-000 | 14700.00 | 1.25 | .26 | .19 | 0. | 1021.56 | 2976.00 |
| 3-000 | 20948.00 | 2.02 | .75 | .30 | 0. | 1321.94 | 2976.00 |
| 4-000 | 7750.00 | .67 | 0. | .07 | 0. | 1752.19 | 1830.00 |
| 4-000 | 12242.00 | 1.14 | .47 | .14 | 0. | 1761.09 | 1830.00 |
| 4-003 | 14700.00 | 1.45 | .31 | .13 | 0. | 1766.59 | 1830.00 |
| 4-000 | 20948.00 | 2.30 | .85 | .28 | 0. | 1793.37 | 1830.00 |
| 5-000 | 7750.00 | .85 | 0. | .20 | 0. | 1356.52 | 4146.00 |
| 5-000 | 12242.00 | 1.51 | .65 | .37 | 0. | 1362.58 | 4146.00 |
| 5-000 | 14700.00 | 1.91 | .39 | .46 | 0. | 1365.93 | 4146.00 |
| 5-000 | 20948.00 | 2.94 | 1.03 | .64 | 0. | 1373.34 | 4146.00 |
| 6-000 | 7750.00 | 1.03 | 0. | .22 | 0. | 877.67 | 4202.00 |
| 6-000 | 12242.00 | 1.32 | .34 | .41 | 0. | 880.93 | 4202.00 |
| 6-000 | 14700.00 | 2.41 | .49 | .50 | 0. | 883.41 | 4202.00 |
| 6-000 | 20948.00 | 3.63 | 1.22 | .70 | 0. | 974.57 | 4202.00 |
| 7-000 | 7750.00 | 1.19 | 0. | .11 | 0. | 1648.24 | 2571.00 |
| 7-000 | 12242.00 | 2.12 | .93 | .19 | 0. | 1852.27 | 2571.00 |
| 7-000 | 14700.00 | 2.64 | .53 | .23 | 0. | 1855.38 | 2571.00 |
| 7-000 | 20948.00 | 3.95 | 1.31 | .32 | 0. | 1871.23 | 2571.00 |

AR FLOOD

SUMMARY PRINTOUT TABLE 150

| SECNO | J | CASEL | DIFWSP | DIFW3X | DIFKWS | TOPWD | XLCH |
|-------|----------|-------|--------|--------|--------|---------|---------|
| 1.100 | 7750.00 | .30 | 0. | 0. | 0. | 1424.95 | 0. |
| 1.100 | 12242.00 | .30 | 0. | 0. | 0. | 1424.95 | 0. |
| 1.100 | 14700.00 | .30 | 0. | 0. | 0. | 1424.95 | 0. |
| 1.100 | 20948.00 | .30 | 0. | 0. | 0. | 1424.95 | 0. |
| 1.200 | 7750.00 | .30 | 0. | .00 | 0. | 1656.17 | 100.00 |
| 1.200 | 12242.00 | .30 | .00 | .00 | 0. | 1656.18 | 100.00 |
| 1.200 | 14700.00 | .31 | .00 | .01 | 0. | 1656.19 | 100.00 |
| 1.200 | 20948.00 | .31 | .01 | .01 | 0. | 1656.21 | 100.00 |
| 1.300 | 7750.00 | .30 | 0. | .00 | 0. | 1656.18 | 36.00 |
| 1.300 | 12242.00 | .31 | .00 | .00 | 0. | 1656.19 | 36.00 |
| 1.300 | 14700.00 | .31 | .00 | .00 | 0. | 1656.20 | 36.00 |
| 1.300 | 20948.00 | .32 | .01 | .01 | 0. | 1656.23 | 36.00 |
| 1.400 | 7750.00 | .30 | 0. | .00 | 0. | 1425.01 | 50.00 |
| 1.400 | 12242.00 | .31 | .00 | .00 | 0. | 1425.11 | 50.00 |
| 1.400 | 14700.00 | .31 | .00 | .00 | 0. | 1425.18 | 50.00 |
| 1.400 | 20948.00 | .32 | .01 | .01 | 0. | 1425.43 | 50.00 |
| 2.100 | 7750.00 | .32 | 0. | .02 | 0. | 1835.34 | 1730.00 |
| 2.100 | 12242.00 | .35 | .04 | .05 | 0. | 1837.40 | 1730.00 |
| 2.100 | 14700.00 | .33 | .03 | .09 | 0. | 1838.59 | 1730.00 |
| 2.100 | 20948.00 | .43 | .09 | .15 | 0. | 1841.34 | 1730.00 |
| 2.200 | 7750.00 | .33 | 0. | .00 | 0. | 1805.86 | 100.00 |
| 2.200 | 12242.00 | .35 | .04 | .00 | 0. | 1807.41 | 100.00 |
| 2.200 | 14700.00 | .33 | .03 | .00 | 0. | 1808.54 | 100.00 |
| 2.200 | 20948.00 | .43 | .09 | .01 | 0. | 1810.75 | 100.00 |
| 2.300 | 7750.00 | .33 | 0. | .00 | 0. | 1805.85 | 10.00 |
| 2.300 | 12242.00 | .35 | .04 | .00 | 0. | 1807.39 | 10.00 |
| 2.300 | 14700.00 | .33 | .03 | .00 | 0. | 1808.51 | 10.00 |
| 2.300 | 20948.00 | .43 | .09 | .00 | 0. | 1810.71 | 10.00 |
| 2.400 | 7750.00 | .33 | 0. | .00 | 0. | 1835.23 | 50.00 |
| 2.400 | 12242.00 | .36 | .04 | .00 | 0. | 1837.13 | 50.00 |
| 2.400 | 14700.00 | .33 | .03 | .00 | 0. | 1838.51 | 50.00 |
| 2.400 | 20948.00 | .43 | .09 | .00 | 0. | 1841.57 | 50.00 |
| 3.100 | 7750.00 | .35 | 0. | .03 | 0. | 2755.56 | 1530.00 |
| 3.100 | 12242.00 | .43 | .08 | .07 | 0. | 2802.92 | 1530.00 |
| 3.100 | 14700.00 | .43 | .06 | .09 | 0. | 2842.31 | 1530.00 |
| 3.100 | 20948.00 | .67 | .18 | .13 | 0. | 2954.32 | 1530.00 |

| SECNO | ALCH | ELTRD | ELLC | ELVIN | G | CWSEL | CIWS | ES | 10K+S | VCH | AREA | .01K |
|--------|---------|-------|------|--------|----------|-------|--------|-------|-------|------|----------|----------|
| 6.000 | 4202.00 | 0. | 0. | -13.60 | 7750.00 | 1.08 | -13.95 | 1.10 | .47 | .93 | 8343.45 | 11286.76 |
| 6.000 | 4202.00 | 0. | 0. | -13.60 | 12242.00 | 1.72 | -12.46 | 1.95 | .89 | 1.35 | 9091.18 | 12973.55 |
| 6.000 | 4202.00 | 0. | 0. | -13.60 | 14700.00 | 2.31 | -11.76 | 2.45 | 1.11 | 1.55 | 9520.82 | 13981.56 |
| 6.000 | 4202.00 | 0. | 0. | -19.60 | 20948.00 | 3.63 | -10.16 | 3.70 | 1.58 | 1.99 | 10647.95 | 16448.73 |
| 7.000 | 2571.00 | 0. | 0. | -11.30 | 7750.00 | 1.19 | -6.85 | 1.20 | .34 | .62 | 12506.57 | 13346.56 |
| 7.000 | 2571.00 | 0. | 0. | -11.30 | 12242.00 | 2.12 | -6.55 | 2.13 | .55 | .86 | 14218.14 | 16494.66 |
| 7.000 | 2571.00 | 0. | 0. | -11.30 | 14700.00 | 2.64 | -5.12 | 2.66 | .64 | .77 | 15194.47 | 18403.23 |
| 7.000 | 2571.00 | 0. | 0. | -11.30 | 20948.00 | 3.75 | -4.37 | 3.97 | .80 | 1.20 | 17624.85 | 23451.22 |
| 8.000 | 4338.00 | 0. | 0. | -9.70 | 7750.00 | 1.41 | -6.86 | 1.42 | .59 | .85 | 9525.80 | 10125.40 |
| 8.000 | 4338.00 | 0. | 0. | -9.70 | 12242.00 | 2.46 | -6.12 | 2.48 | .91 | 1.16 | 12025.75 | 12825.18 |
| 8.000 | 4338.00 | 0. | 0. | -9.70 | 14700.00 | 3.04 | -5.76 | 3.07 | 1.04 | 1.29 | 13459.34 | 14435.65 |
| 8.000 | 4338.00 | 0. | 0. | -9.70 | 20948.00 | 4.43 | -4.89 | 4.47 | 1.25 | 1.57 | 16763.45 | 18758.72 |
| 9.000 | 3500.00 | 0. | 0. | -14.40 | 7133.00 | 1.79 | -8.94 | 1.85 | 2.39 | 1.89 | 3798.65 | 4615.34 |
| 9.000 | 3500.00 | 0. | 0. | -14.40 | 11320.00 | 3.05 | -7.35 | 3.16 | 3.77 | 2.61 | 4847.89 | 5833.61 |
| 9.000 | 3500.00 | 0. | 0. | -14.40 | 13615.00 | 3.71 | -6.64 | 3.84 | 4.34 | 2.92 | 5192.38 | 6533.76 |
| 9.000 | 3500.00 | 0. | 0. | -14.40 | 19484.00 | 5.24 | -4.64 | 5.44 | 5.48 | 3.60 | 6483.67 | 8325.40 |
| 10.000 | 3560.00 | 0. | 0. | -15.20 | 7133.00 | 2.34 | -10.26 | 2.38 | 1.08 | 1.57 | 5300.83 | 6854.06 |
| 10.000 | 3560.00 | 0. | 0. | -15.20 | 11320.00 | 3.32 | -8.95 | 3.99 | 1.69 | 2.13 | 7407.36 | 8720.47 |
| 10.000 | 3560.00 | 0. | 0. | -15.20 | 13615.00 | 4.71 | -8.31 | 4.79 | 1.94 | 2.38 | 8513.60 | 9775.19 |
| 10.000 | 3560.00 | 0. | 0. | -15.20 | 19484.00 | 6.52 | -6.69 | 6.64 | 2.45 | 2.90 | 11063.87 | 12436.15 |
| 11.000 | 3550.00 | 0. | 0. | -17.00 | 7133.00 | 2.76 | -10.23 | 2.83 | 1.39 | 2.07 | 3542.15 | 6041.80 |
| 11.000 | 3550.00 | 0. | 0. | -17.00 | 11320.00 | 4.58 | -6.90 | 4.71 | 2.35 | 2.91 | 4299.65 | 7387.44 |
| 11.000 | 3550.00 | 0. | 0. | -17.00 | 13615.00 | 5.48 | -8.25 | 5.65 | 2.82 | 3.30 | 4734.37 | 8108.50 |
| 11.000 | 3550.00 | 0. | 0. | -17.00 | 19484.00 | 7.51 | -6.75 | 7.78 | 3.88 | 4.17 | 5930.20 | 9685.56 |
| 12.000 | 3010.00 | 0. | 0. | -11.80 | 7133.00 | 4.56 | -6.61 | 4.68 | 14.04 | 0. | 5265.51 | 1903.82 |
| 12.000 | 3010.00 | 0. | 0. | -11.80 | 11320.00 | 7.02 | -5.39 | 7.06 | 17.13 | 0. | 7299.34 | 2134.67 |
| 12.000 | 3010.00 | 0. | 0. | -11.80 | 13615.00 | 8.04 | -4.81 | 8.07 | 17.27 | 0. | 9762.07 | 3276.58 |
| 12.000 | 3010.00 | 0. | 0. | -11.80 | 19484.00 | 10.02 | -3.50 | 10.04 | 14.68 | 0. | 17746.88 | 5050.87 |
| 13.000 | 3392.00 | 0. | 0. | -15.00 | 7133.00 | 5.10 | -7.93 | 5.13 | .71 | 1.46 | 9813.39 | 8446.28 |
| 13.000 | 3392.00 | 0. | 0. | -15.00 | 11320.00 | 7.55 | -6.77 | 7.59 | .94 | 1.77 | 17146.40 | 12322.43 |
| 13.000 | 3392.00 | 0. | 0. | -15.00 | 13615.00 | 8.59 | -6.21 | 8.63 | .90 | 1.90 | 21017.93 | 14359.28 |
| 13.000 | 3392.00 | 0. | 0. | -15.00 | 19484.00 | 10.63 | -4.92 | 10.68 | 1.03 | 2.19 | 29708.70 | 19182.93 |
| 14.000 | 2320.00 | 0. | 0. | -16.60 | 6689.00 | 5.25 | -12.31 | 5.27 | .39 | 1.26 | 8003.28 | 10762.25 |
| 14.000 | 2320.00 | 0. | 0. | -16.60 | 10653.00 | 7.74 | -11.07 | 7.78 | .54 | 1.69 | 11154.53 | 13471.08 |
| 14.000 | 2320.00 | 0. | 0. | -16.60 | 12629.00 | 8.90 | -10.50 | 8.85 | .64 | 1.89 | 12630.41 | 15504.62 |
| 14.000 | 2320.00 | 0. | 0. | -16.60 | 18420.00 | 10.98 | -9.11 | 10.96 | .96 | 2.36 | 15801.36 | 18812.13 |
| 15.000 | 3715.00 | 0. | 0. | -11.90 | 6689.00 | 5.49 | -7.54 | 5.53 | 1.00 | 1.78 | 5496.93 | 6476.65 |
| 15.000 | 3715.00 | 0. | 0. | -11.90 | 10653.00 | 8.06 | -6.23 | 7.13 | 1.33 | 2.29 | 8432.00 | 9230.63 |
| 15.000 | 3715.00 | 0. | 0. | -11.90 | 12629.00 | 9.17 | -5.59 | 9.26 | 1.50 | 2.53 | 9568.18 | 10467.93 |
| 15.000 | 3715.00 | 0. | 0. | -11.90 | 18420.00 | 11.37 | -4.11 | 11.50 | 1.76 | 3.11 | 11880.19 | 13163.95 |

THIS RUN EXECUTED 22 MAR 83 11.14.51

.....
 HEC2 RELEASE DATED NOV 76 UPDATED MARCH 1982
 ERROR CORR - 01,02,03,34,05
 MODIFICATION - 50,51,52,53,54,55

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

AF FLOOD

SUMMARY PRINTOUT TABLE 150

| SECTD | KLCH | ELTRD | ELLC | ELGIN | Z | CVSEL | CPWS | EG | 10K+S | VCH | AREA | .01K |
|-------|---------|-------|-------|--------|----------|-------|--------|-----|-------|------|----------|----------|
| 1-100 | 0. | 0. | 0. | -14.70 | 7750.00 | .30 | -10.79 | .30 | .14 | .53 | 14577.75 | 20395.93 |
| 1-100 | 0. | 0. | 0. | -14.70 | 12242.00 | .30 | -10.28 | .31 | .36 | .84 | 14577.75 | 20395.93 |
| 1-100 | 0. | 0. | 0. | -14.70 | 14700.00 | .30 | -9.98 | .32 | .52 | 1.01 | 14577.75 | 20395.93 |
| 1-100 | 0. | 0. | 0. | -14.70 | 20948.00 | .30 | -9.35 | .33 | 1.05 | 1.44 | 14577.75 | 20395.93 |
| 1-200 | 100.00 | 0. | 0. | -14.70 | 7750.00 | .30 | -10.72 | .31 | .18 | .54 | 14388.07 | 18055.63 |
| 1-200 | 100.00 | 0. | 0. | -14.70 | 12242.00 | .30 | -10.21 | .32 | .46 | .85 | 14391.64 | 18063.00 |
| 1-200 | 100.00 | 0. | 0. | -14.70 | 14700.00 | .31 | -9.86 | .32 | .66 | 1.02 | 14394.26 | 18068.46 |
| 1-200 | 100.00 | 0. | 0. | -14.70 | 20948.00 | .31 | -9.29 | .34 | 1.34 | 1.45 | 14403.14 | 18086.82 |
| 1-300 | 36.00 | 5.20 | 14.30 | -14.70 | 7750.00 | .30 | 0. | .31 | .18 | .54 | 14389.49 | 18058.54 |
| 1-300 | 36.00 | 5.20 | 14.30 | -14.70 | 12242.00 | .31 | 0. | .32 | .46 | .85 | 14395.21 | 18070.33 |
| 1-300 | 36.00 | 5.20 | 14.30 | -14.70 | 14700.00 | .31 | 0. | .32 | .66 | 1.02 | 14399.44 | 18079.15 |
| 1-300 | 36.00 | 5.20 | 14.30 | -14.70 | 20948.00 | .32 | 0. | .35 | 1.34 | 1.45 | 14413.78 | 18108.86 |
| 1-400 | 50.00 | 0. | 0. | -14.70 | 7750.00 | .30 | -10.79 | .31 | .14 | .53 | 14582.35 | 20406.00 |
| 1-400 | 50.00 | 0. | 0. | -14.70 | 12242.00 | .31 | -10.28 | .32 | .36 | .84 | 14589.23 | 20421.09 |
| 1-400 | 50.00 | 0. | 0. | -14.70 | 14700.00 | .31 | -9.98 | .33 | .52 | 1.01 | 14594.31 | 20432.25 |
| 1-400 | 50.00 | 0. | 0. | -14.70 | 20948.00 | .32 | -9.39 | .36 | 1.05 | 1.43 | 14611.49 | 20469.95 |
| 2-100 | 1730.00 | 0. | 0. | -16.60 | 7750.00 | .32 | -12.49 | .33 | .09 | .42 | 18442.91 | 25574.45 |
| 2-100 | 1730.00 | 0. | 0. | -16.60 | 12242.00 | .36 | -11.80 | .37 | .23 | .66 | 18519.91 | 25741.04 |
| 2-100 | 1730.00 | 0. | 0. | -16.60 | 14700.00 | .39 | -11.53 | .40 | .32 | .79 | 18564.03 | 25836.94 |
| 2-100 | 1730.00 | 0. | 0. | -16.60 | 20948.00 | .46 | -10.94 | .49 | .64 | 1.12 | 18713.38 | 26180.93 |
| 2-200 | 100.00 | 0. | 0. | -16.60 | 7750.00 | .33 | -12.43 | .33 | .09 | .42 | 18368.23 | 25658.45 |
| 2-200 | 100.00 | 0. | 0. | -16.60 | 12242.00 | .36 | -11.79 | .37 | .23 | .66 | 18456.90 | 25803.58 |
| 2-200 | 100.00 | 0. | 0. | -16.60 | 14700.00 | .39 | -11.53 | .40 | .32 | .79 | 18507.21 | 25910.07 |
| 2-200 | 100.00 | 0. | 0. | -16.60 | 20948.00 | .46 | -10.83 | .50 | .64 | 1.12 | 18673.98 | 26279.78 |
| 2-300 | 10.00 | 7.30 | 7.40 | -16.60 | 7750.00 | .33 | 0. | .33 | .09 | .42 | 18367.88 | 25657.71 |
| 2-300 | 10.00 | 7.30 | 7.40 | -16.60 | 12242.00 | .36 | 0. | .37 | .23 | .66 | 18455.99 | 25801.67 |
| 2-300 | 10.00 | 7.30 | 7.40 | -16.60 | 14700.00 | .39 | 0. | .40 | .32 | .73 | 18505.99 | 25917.28 |
| 2-300 | 10.00 | 7.30 | 7.40 | -16.60 | 20948.00 | .48 | 0. | .50 | .64 | 1.12 | 18671.09 | 26272.57 |

| SECNO | KLCH | ELRD | ELLC | ELIN | Q | CNSL | CHRS | ES | LUKS | VCH | AREA | BLK |
|-------|---------|-------|-------|--------|----------|------|--------|------|------|------|----------|----------|
| 2.400 | 50.00 | 0. | 0. | -16.60 | 7750.00 | .33 | -12.43 | .33 | .09 | .42 | 16439.00 | 25565.59 |
| 2.400 | 50.00 | 0. | 0. | -16.60 | 12242.00 | .36 | -11.79 | .37 | .23 | .66 | 18507.48 | 25718.70 |
| 2.400 | 50.00 | 0. | 0. | -16.60 | 14700.00 | .39 | -11.53 | .40 | .32 | .79 | 18561.07 | 25830.53 |
| 2.403 | 50.00 | 0. | 0. | -16.60 | 20343.00 | .49 | -10.93 | .50 | .64 | 1.12 | 18731.94 | 26223.95 |
| 3.100 | 1530.00 | 0. | 0. | -19.20 | 7750.00 | .35 | -12.94 | .36 | .37 | .54 | 14289.06 | 12720.55 |
| 3.100 | 1530.00 | 0. | 0. | -19.20 | 12242.00 | .43 | -11.79 | .44 | .30 | .84 | 14501.17 | 12859.87 |
| 3.100 | 1530.00 | 0. | 0. | -19.20 | 14700.00 | .49 | -11.26 | .50 | 1.27 | 1.00 | 14681.15 | 13035.49 |
| 3.103 | 1530.00 | 0. | 0. | -19.20 | 20343.00 | .67 | -10.10 | .70 | 2.42 | 1.38 | 15208.27 | 13471.40 |
| 3.200 | 100.00 | 0. | 0. | -16.20 | 7750.00 | .36 | -12.91 | .36 | .37 | .54 | 14313.21 | 12739.70 |
| 3.200 | 100.00 | 0. | 0. | -19.20 | 12242.00 | .44 | -11.79 | .45 | .90 | .84 | 14532.68 | 12920.08 |
| 3.203 | 100.00 | 0. | 0. | -19.20 | 14700.00 | .50 | -11.26 | .51 | 1.27 | 1.00 | 14703.44 | 13053.97 |
| 3.203 | 100.00 | 0. | 0. | -19.20 | 20343.00 | .63 | -10.10 | .72 | 2.40 | 1.37 | 15253.48 | 13509.41 |
| 3.300 | 42.50 | 21.00 | 51.00 | -18.20 | 7750.00 | .36 | 0. | .36 | .37 | .54 | 14321.85 | 12746.59 |
| 3.300 | 42.50 | 21.00 | 51.00 | -19.20 | 12242.00 | .44 | 0. | .45 | .90 | .84 | 14560.14 | 12937.40 |
| 3.303 | 42.50 | 21.00 | 51.00 | -19.20 | 14700.00 | .51 | 0. | .52 | 1.26 | 1.00 | 14734.39 | 13078.69 |
| 3.303 | 42.50 | 21.00 | 51.00 | -19.20 | 20343.00 | .70 | 0. | .73 | 2.39 | 1.37 | 15313.33 | 13560.27 |
| 3.400 | 50.00 | 0. | 0. | -18.20 | 7750.00 | .36 | -12.91 | .36 | .37 | .54 | 14327.00 | 12750.65 |
| 3.403 | 50.00 | 0. | 0. | -19.20 | 12242.00 | .45 | -11.79 | .46 | .89 | .84 | 14572.77 | 12947.60 |
| 3.400 | 50.00 | 0. | 0. | -19.20 | 14700.00 | .51 | -11.26 | .53 | 1.26 | 1.00 | 14752.46 | 13093.66 |
| 3.403 | 50.00 | 0. | 0. | -19.20 | 20343.00 | .72 | -10.10 | .75 | 2.38 | 1.36 | 15349.52 | 13590.43 |
| 1.000 | 3400.00 | 0. | 0. | -17.90 | 7750.00 | .46 | -13.93 | .47 | .25 | .64 | 12042.84 | 15462.27 |
| 1.000 | 3400.00 | 0. | 0. | -17.90 | 12242.00 | .69 | -13.05 | .70 | .56 | .99 | 12320.90 | 16125.29 |
| 1.000 | 3400.00 | 0. | 0. | -17.90 | 14700.00 | .84 | -12.61 | .86 | .79 | 1.17 | 12525.98 | 16573.29 |
| 1.003 | 3400.00 | 0. | 0. | -17.90 | 20343.00 | 1.30 | -11.69 | 1.34 | 1.36 | 1.59 | 13142.64 | 17048.19 |
| 2.000 | 4598.00 | 0. | 0. | -26.60 | 7750.00 | .54 | -21.63 | .54 | .12 | .53 | 14490.80 | 22296.29 |
| 2.000 | 4598.00 | 0. | 0. | -26.60 | 12242.00 | .96 | -20.44 | .87 | .24 | .82 | 14618.02 | 23321.02 |
| 2.000 | 4598.00 | 0. | 0. | -26.60 | 14700.00 | 1.08 | -19.88 | 1.09 | .37 | .97 | 15135.95 | 24022.40 |
| 2.003 | 4598.00 | 0. | 0. | -26.60 | 20343.00 | 1.71 | -18.62 | 1.74 | .64 | 1.31 | 15944.83 | 26118.74 |
| 3.000 | 2376.00 | 0. | 0. | -17.60 | 7750.00 | .60 | -13.73 | .61 | .32 | .78 | 9967.28 | 13605.55 |
| 3.000 | 2376.00 | 0. | 0. | -17.60 | 12242.00 | 1.00 | -12.63 | 1.02 | .71 | 1.18 | 10373.49 | 14516.31 |
| 3.000 | 2376.00 | 0. | 0. | -17.60 | 14700.00 | 1.26 | -12.10 | 1.29 | .94 | 1.38 | 10645.91 | 15153.76 |
| 3.003 | 2376.00 | 0. | 0. | -17.60 | 20343.00 | 2.02 | -10.95 | 2.07 | 1.51 | 1.83 | 11505.30 | 17032.57 |
| 4.000 | 1330.00 | 0. | 0. | -10.60 | 7750.00 | .67 | -6.39 | .67 | .37 | .65 | 11127.54 | 12784.72 |
| 4.000 | 1330.00 | 0. | 0. | -10.60 | 12242.00 | 1.14 | -5.88 | 1.15 | .74 | .96 | 12783.90 | 14258.80 |
| 4.000 | 1330.00 | 0. | 0. | -10.60 | 14700.00 | 1.45 | -5.64 | 1.46 | .93 | 1.10 | 13329.16 | 15247.90 |
| 4.000 | 1330.00 | 0. | 0. | -10.60 | 20343.00 | 2.30 | -5.08 | 2.33 | 1.32 | 1.41 | 14844.47 | 18217.18 |
| 5.000 | 4146.00 | 0. | 0. | -9.50 | 7750.00 | .86 | -5.81 | .87 | .54 | .83 | 9746.37 | 10061.14 |
| 5.000 | 4146.00 | 0. | 0. | -9.50 | 12242.00 | 1.51 | -5.24 | 1.54 | 1.10 | 1.20 | 10231.69 | 11694.28 |
| 5.000 | 4146.00 | 0. | 0. | -9.50 | 14700.00 | 1.91 | -4.97 | 1.94 | 1.33 | 1.37 | 10768.59 | 12728.16 |
| 5.000 | 4146.00 | 0. | 0. | -9.50 | 20343.00 | 2.94 | -4.41 | 2.98 | 1.81 | 1.72 | 12176.11 | 15591.20 |