
 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 TRIB 3 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

| J1 | ICHECK | INO | NINV | IDIR | STRT | METRIC | HVINS | WSEL | FO | |
|----|--------|-----|------|------|----------|--------|-------|------|---------|-----|
| | -10. | 4. | 0. | 0. | 0.024000 | 0.0 | 0.5 | 0. | 282.000 | 0.0 |

| J2 | NPROF | TPL0T | PREVS | XSECV | XSECH | FN | ALLOC | IBW | CHNIM | ITRACE |
|----|-------|-------|--------|-------|-------|-----|-------|-----|-------|--------|
| | 3.000 | 0.0 | -1.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCHV= 0.100 CEHV= 0.300

| SECNO | DEPTH | CWSEL | CRIWS | WSELK | FG | HV | HL | QLOSS | BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XL0BL | XLCH | XL0BR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

| | | | | | | | | | |
|----------|-------|--------|-------|--------|--------|-------|-----|--------|---------|
| 1000.00 | 6.07 | 316.17 | 0.0 | 282.00 | 317.44 | 1.27 | 0.0 | 0.0 | 313.10 |
| 1000. | 61. | 717. | 222. | 17. | 70. | 47. | 0. | 0. | 313.50 |
| 0.0 | 3.54 | 10.31 | 4.77 | 0.085 | 0.060 | 0.085 | 0.0 | 310.10 | 1107.79 |
| 0.024320 | 1000. | 1000. | 1000. | 0 | 0 | 8 | 0.0 | 47.61 | 1155.40 |

1645 INT SEC ADDED BY RAISING SEC 2588.00, -18.667FT AND MULTIPLYING BY 1.276

3301 HV CHANGED MORE THAN HVINS

| | | | | | | | | | |
|----------|------|--------|------|-------|--------|-------|-------|--------|--------|
| 1.01 | 4.89 | 324.32 | 0.0 | 0.0 | 324.48 | 0.16 | 6.93 | 0.11 | 322.73 |
| 1000. | 742. | 233. | 25. | 291. | 48. | 17. | 3. | 1. | 322.53 |
| 0.05 | 2.55 | 4.88 | 1.46 | 0.085 | 0.060 | 0.085 | 0.060 | 319.43 | 204.76 |
| 0.008168 | 529. | 529. | 529. | 5 | 0 | 1 | 0.0 | 178.90 | 382.66 |

1645 INT SEC ADDED BY RAISING SEC 1.01, 9.333FT AND MULTIPLYING BY 0.892

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

| SECNO | DEPTH | CWSEL | CRIWS | WSELK | FG | HV | HL | QLOSS | BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XL0BL | XLCH | XL0BR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 TRIB 3 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FQ |
|----|--------|------|--------|-------|----------|--------|-------|-----|---------|--------|
| | -10. | 5. | 0. | 0. | 0.024000 | 0.0 | 0.5 | 0. | 284.000 | 0.0 |
| J2 | NPROF | IPLT | PREVS | XSECV | XSECH | FN | ALDCC | IBW | CHNIM | ITRACE |
| | 15.000 | 0.0 | -1.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCHV= 0.100 CEHV= 0.300

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | BANK ELEV |
|----------|-------|--------|-------|--------|--------|-------|-------|--------|------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLORL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |
| 1000.00 | 8.34 | 318.44 | 0.0 | 284.00 | 320.16 | 1.73 | 0.0 | 0.0 | 319.10 |
| 2300. | 269. | 1284. | 746. | 52. | 99. | 113. | 0. | 0. | 313.50 |
| 0.0 | 5.15 | 12.97 | 6.62 | 0.085 | 0.060 | 0.085 | 0.0 | 310.10 | 1096.20 |
| 0.024033 | 1000. | 1000. | 1000. | 0 | 0 | 11 | 0.0 | 70.65 | 1166.85 |

1645 INT SEC ADDED BY RAISING SEC 2588.00, -18.667FT AND MULTIPLYING BY 1.252

3301 HV CHANGED MORE THAN HVINS

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | BANK ELEV |
|----------|-------|--------|-------|--------|--------|-------|-------|--------|------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT/RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLORL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |
| 1.01 | 6.59 | 326.02 | 0.0 | 0.0 | 326.23 | 0.21 | 5.92 | 0.15 | 322.73 |
| 2300. | 1774. | 377. | 149. | 549. | 68. | 65. | 6. | 2. | 322.53 |
| 0.04 | 3.23 | 5.54 | 2.28 | 0.085 | 0.060 | 0.085 | 0.060 | 319.43 | 179.13 |
| 0.006432 | 529. | 529. | 529. | 5 | 0 | 1 | 0.0 | 216.23 | 495.36 |

1645 INT SEC ADDED BY RAISING SEC 1.01, 9.333FT AND MULTIPLYING BY 0.899

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION CHANNEL MIN EL OF MAY EL OF MIN EL DISCHARGE CWSEL TQ EG TOPWID STENCL STENCR VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

| | | | | | | | | | | | | | |
|----|---------|---------|--------|--------|--------|---------|--------|--------|--------|--------|-----|-----|-------|
| 9 | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 150.00 | 312.85 | 9.66 | 313.34 | 12.43 | 0.0 | 0.0 | 5.65 |
| 10 | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 650.00 | 315.26 | 41.69 | 316.33 | 39.68 | 0.0 | 0.0 | 9.10 |
| 11 | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 1000.00 | 316.17 | 64.12 | 317.44 | 47.61 | 0.0 | 0.0 | 10.31 |
| 12 | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 2300.00 | 318.44 | 148.36 | 320.16 | 70.65 | 0.0 | 0.0 | 12.97 |
| 14 | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 150.00 | 341.30 | 12.90 | 341.46 | 102.08 | 0.0 | 0.0 | 4.06 |
| 15 | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 650.00 | 342.00 | 34.98 | 342.45 | 122.38 | 0.0 | 0.0 | 7.82 |
| 16 | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 1000.00 | 343.15 | 96.16 | 343.36 | 143.22 | 0.0 | 0.0 | 5.52 |
| 17 | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 2300.00 | 344.62 | 221.27 | 344.96 | 171.56 | 0.0 | 0.0 | 6.84 |
| 19 | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 150.00 | 342.35 | 6.27 | 342.88 | 25.29 | 0.0 | 0.0 | 5.84 |
| 20 | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 650.00 | 345.11 | 60.60 | 345.51 | 46.60 | 0.0 | 0.0 | 5.06 |
| 21 | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 1000.00 | 344.70 | 48.69 | 345.99 | 43.84 | 0.0 | 0.0 | 9.10 |
| 22 | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 2300.00 | 346.64 | 120.08 | 348.57 | 54.28 | 0.0 | 0.0 | 11.15 |
| 24 | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 150.00 | 342.63 | 8.98 | 342.95 | 28.20 | 0.0 | 0.0 | 4.50 |
| 25 | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 650.00 | 345.21 | 63.62 | 345.58 | 47.26 | 0.0 | 0.0 | 4.89 |
| 26 | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 1000.00 | 345.50 | 73.02 | 346.22 | 49.19 | 0.0 | 0.0 | 6.81 |
| 27 | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 2300.00 | 347.89 | 184.72 | 348.96 | 59.23 | 0.0 | 0.0 | 8.30 |
| 29 | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 150.00 | 345.61 | 9.59 | 345.90 | 84.70 | 0.0 | 0.0 | 5.24 |
| 30 | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 650.00 | 346.45 | 32.99 | 346.95 | 121.47 | 0.0 | 0.0 | 8.19 |
| 31 | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 1000.00 | 346.95 | 55.50 | 347.45 | 130.53 | 0.0 | 0.0 | 8.39 |
| 32 | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 2300.00 | 348.86 | 194.62 | 349.26 | 166.40 | 0.0 | 0.0 | 7.51 |
| 34 | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 120.00 | 359.32 | 18.93 | 359.36 | 87.39 | 0.0 | 0.0 | 2.66 |
| 35 | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 500.00 | 361.00 | 85.74 | 361.07 | 159.07 | 0.0 | 0.0 | 3.55 |
| 36 | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 800.00 | 361.59 | 129.59 | 361.68 | 178.16 | 0.0 | 0.0 | 4.12 |
| 37 | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 1950.00 | 362.79 | 250.19 | 362.97 | 217.32 | 0.0 | 0.0 | 6.08 |

| SECTION NUMBER | DISCHARGE CFS | CWSEL | CWSEL DIFF EACH Q | CWSEL DIFF EACH SECTION | CWSEL-WSELK | TOPWID | T.W. DIFF | LENGTH |
|----------------|---------------|---------|-------------------|-------------------------|-------------|---------|-----------|----------|
| 1000.000 | 150.000 | 312.848 | 0.0 | 0.0 | 0.0 | 12.430 | 0.0 | 1000.000 |
| 1000.000 | 650.000 | 315.256 | 2.409 | 0.0 | 0.0 | 39.676 | -27.246 | 1000.000 |
| 1000.000 | 1000.000 | 316.168 | 0.912 | 0.0 | 0.0 | 47.613 | -35.182 | 1000.000 |
| 1000.000 | 2300.000 | 318.436 | 2.268 | 0.0 | 0.0 | 70.654 | -58.223 | 1000.000 |
| 2588.000 | 150.000 | 341.300 | 0.0 | 28.453 | 0.0 | 102.084 | 0.0 | 1588.000 |
| 2588.000 | 650.000 | 342.001 | 0.701 | 26.745 | 0.0 | 122.377 | -20.293 | 1588.000 |
| 2588.000 | 1000.000 | 343.148 | 1.147 | 26.980 | 0.0 | 143.224 | -41.139 | 1588.000 |
| 2588.000 | 2300.000 | 344.624 | 1.476 | 26.188 | 0.0 | 171.559 | -69.475 | 1588.000 |
| 2638.000 | 150.000 | 342.347 | 0.0 | 1.046 | 0.0 | 25.294 | 0.0 | 50.000 |
| 2638.000 | 650.000 | 345.109 | 2.762 | 3.103 | 0.0 | 46.604 | -21.310 | 50.000 |
| 2638.000 | 1000.000 | 344.704 | -0.404 | 1.556 | 0.0 | 43.840 | -18.546 | 50.000 |
| 2638.000 | 2300.000 | 346.641 | 1.936 | 2.016 | 0.0 | 54.284 | -28.990 | 50.000 |
| 2650.000 | 150.000 | 342.632 | 0.0 | 0.285 | 0.0 | 28.202 | 0.0 | 12.000 |
| 2650.000 | 650.000 | 345.211 | 2.580 | 0.103 | 0.0 | 47.258 | -19.056 | 12.000 |
| 2650.000 | 1000.000 | 345.498 | 0.286 | 0.793 | 0.0 | 49.191 | -20.989 | 12.000 |
| 2650.000 | 2300.000 | 347.890 | 2.392 | 1.249 | 0.0 | 59.235 | -31.033 | 12.000 |

| | | | | | | | | | |
|---|----------|----------|---------|-------|--------|-----|---------|----------|----------|
| | 2700.000 | 150.000 | 345.609 | 0.0 | 2.977 | 0.0 | 84.699 | 0.0 | 50.000 |
| 1 | 2700.000 | 650.000 | 346.454 | 0.845 | 1.242 | 0.0 | 121.472 | -36.774 | 50.000 |
| 2 | 2700.000 | 1000.000 | 346.953 | 0.499 | 1.456 | 0.0 | 130.535 | -45.836 | 50.000 |
| 3 | 2700.000 | 2300.000 | 348.857 | 1.903 | 0.967 | 0.0 | 166.398 | -81.699 | 50.000 |
| 4 | 4200.000 | 120.000 | 359.319 | 0.0 | 13.710 | 0.0 | 87.393 | 0.0 | 1500.000 |
| 5 | 4200.000 | 500.000 | 361.003 | 1.684 | 14.549 | 0.0 | 159.073 | -71.680 | 1500.000 |
| 6 | 4200.000 | 800.000 | 361.594 | 0.591 | 14.641 | 0.0 | 178.156 | -90.762 | 1500.000 |
| 7 | 4200.000 | 1950.000 | 362.792 | 1.198 | 13.936 | 0.0 | 217.323 | -129.930 | 1500.000 |

DATA FOR LAST CROSS SECTION

| PROFILE | TYPE ENC | TARGET | TOP WIDTH | TOP WIDTH |
|---------|----------|--------|------------|-----------|
| | | | AREA-ACRES | AREA-DIFF |
| 1 | 0.0 | 0.0 | 5.196 | 0.0 |
| 2 | 0.0 | 0.0 | 9.353 | 4.157 |
| 3 | 0.0 | 0.0 | 10.616 | 5.420 |
| 4 | 0.0 | 0.0 | 13.170 | 7.974 |

| | | | | | | | | | | |
|----|--|--|--|--|--|--|--|--|--|----|
| 8 | | | | | | | | | | 1 |
| 9 | | | | | | | | | | 2 |
| 10 | | | | | | | | | | 3 |
| 11 | | | | | | | | | | 4 |
| 12 | | | | | | | | | | 5 |
| 13 | | | | | | | | | | 6 |
| 14 | | | | | | | | | | 7 |
| 15 | | | | | | | | | | 8 |
| 16 | | | | | | | | | | 9 |
| 17 | | | | | | | | | | 10 |
| 18 | | | | | | | | | | 11 |
| 19 | | | | | | | | | | 12 |
| 20 | | | | | | | | | | 13 |
| 21 | | | | | | | | | | 14 |
| 22 | | | | | | | | | | 15 |
| 23 | | | | | | | | | | 16 |
| 24 | | | | | | | | | | 17 |
| 25 | | | | | | | | | | 18 |
| 26 | | | | | | | | | | 19 |
| 27 | | | | | | | | | | 20 |
| 28 | | | | | | | | | | 21 |
| 29 | | | | | | | | | | 22 |
| 30 | | | | | | | | | | 23 |
| 31 | | | | | | | | | | 24 |
| 32 | | | | | | | | | | 25 |
| 33 | | | | | | | | | | 26 |
| 34 | | | | | | | | | | 27 |
| 35 | | | | | | | | | | 28 |
| 36 | | | | | | | | | | 29 |
| 37 | | | | | | | | | | 30 |
| 38 | | | | | | | | | | 31 |
| 39 | | | | | | | | | | 32 |
| 40 | | | | | | | | | | 33 |
| 41 | | | | | | | | | | 34 |
| 42 | | | | | | | | | | 35 |
| 43 | | | | | | | | | | 36 |
| 44 | | | | | | | | | | 37 |
| 45 | | | | | | | | | | 38 |
| 46 | | | | | | | | | | 39 |
| 47 | | | | | | | | | | 40 |
| 48 | | | | | | | | | | 41 |
| 49 | | | | | | | | | | 42 |
| 50 | | | | | | | | | | 43 |
| 51 | | | | | | | | | | 44 |
| 52 | | | | | | | | | | 45 |
| 53 | | | | | | | | | | 46 |
| 54 | | | | | | | | | | 47 |
| 55 | | | | | | | | | | 48 |
| 56 | | | | | | | | | | 49 |
| 57 | | | | | | | | | | 50 |

0.31 1.76 4.12 1.91 0.085 0.060 0.085 0.060 356.70 1231.34
 0.003811 1500. 1500. 1500. 6 0 1 0.0 178.16 1409.49

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOOD WATER SUR

| SECTION NUMBER | CHANNEL LENGTH | MIN EL OF ROADWAY | MAX EL OF LOW CHORD | MIN EL OF GROUND | DISCHARGE (CFS) | CWSEL | TQ | EG | TOPWID | STENCL | STENCR | VCH |
|----------------|----------------|-------------------|---------------------|------------------|-----------------|--------|--------|--------|--------|--------|--------|-------|
| 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 1000.00 | 316.17 | 64.12 | 317.44 | 47.61 | 0.0 | 0.0 | 10.31 |
| 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 1000.00 | 343.15 | 96.16 | 343.36 | 143.22 | 0.0 | 0.0 | 5.52 |
| 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 1000.00 | 344.70 | 48.69 | 345.99 | 43.84 | 0.0 | 0.0 | 9.10 |
| 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 1000.00 | 345.50 | 73.02 | 346.22 | 49.19 | 0.0 | 0.0 | 6.81 |
| 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 1000.00 | 346.95 | 55.50 | 347.45 | 130.53 | 0.0 | 0.0 | 8.39 |
| 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 800.00 | 361.59 | 129.59 | 361.68 | 178.16 | 0.0 | 0.0 | 4.12 |

| SECTION NUMBER | DISCHARGE CFS | CWSEL | CWSEL DIFF EACH Q | CWSEL DIFF EACH SECTION | CWSEL-WSELK | TOPWID | T.W. DIFF | LENGTH |
|----------------|---------------|---------|-------------------|-------------------------|-------------|---------|-----------|----------|
| 1000.000 | 1000.000 | 316.168 | 0.0 | 0.0 | 0.0 | 47.613 | 0.0 | 1000.000 |
| 2588.000 | 1000.000 | 343.148 | 0.0 | 26.980 | 0.0 | 143.224 | 0.0 | 1588.000 |
| 2638.000 | 1000.000 | 344.704 | 0.0 | 1.556 | 0.0 | 43.840 | 0.0 | 50.000 |
| 2650.000 | 1000.000 | 345.498 | 0.0 | 0.793 | 0.0 | 49.191 | 0.0 | 12.000 |
| 2700.000 | 1000.000 | 346.953 | 0.0 | 1.456 | 0.0 | 130.535 | 0.0 | 50.000 |
| 4200.000 | 800.000 | 361.594 | 0.0 | 14.641 | 0.0 | 178.156 | 0.0 | 1500.000 |

DATA FOR LAST CROSS SECTION

| PROFILE | TYPE | ENC | TARGET | TOP WIDTH AREA-ACRES | TOP WIDTH AREA-DIFF |
|---------|------|-----|--------|----------------------|---------------------|
| 1 | 0.0 | 0.0 | 0.0 | 10.616 | 0.0 |

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 TRIB 3 BASIN 24
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOODWAY

| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FG |
|----|--------|------|--------|-------|-------|--------|-------|-----|---------|--------|
| | -10. | 6. | 0. | 0. | 0.0 | 0.0 | 0.0 | 0. | 317.170 | 0.0 |
| J2 | NPROF | IPLT | PRFVS | 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 |

CCHV= 0.100 CEHV= 0.300
 2800 NAT Q1= 64.12 WSEL= 316.17 ENC Q1= 64.12 WSEL= 317.17 RATIO= 0.0

| NAT Q1= | 96. | RATIOS | LOB,CH,ROB= | 0.0864 | 0.6377 | 0.2759 | WSEL= | 317.17 | | |
|---------|-------|--------|-------------|--------|--------|--------|-------|--------|-------|-------|
| SECNO | DEPTH | CWSEL | CRISW | WSELK | EG | HV | HL | OLOSS | BANK | ELEV |
| Q | QLOB | GCH | QROB | ALOB | ACH | AROB | VOL | TWA | LEFT | RIGHT |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA | |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENUST | |

| 3470 ENCROACHMENT STATIONS= | 1117.7 | 1133.3 | TYPE= | 4 | TARGET= | 0.331 | | | |
|-----------------------------|--------|--------|-------|--------|---------|-------|-----|--------|---------|
| 1000.00 | 7.07 | 317.17 | 0.0 | 316.17 | 319.08 | 1.91 | 0.0 | 0.0 | 313.10 |
| 1000. | 32. | 936. | 32. | 5. | 83. | 5. | 0. | 0. | 313.50 |
| 0.0 | 6.47 | 11.34 | 6.41 | 0.085 | 0.060 | 0.085 | 0.0 | 310.10 | 1117.73 |
| 0.023416 | 1000. | 1000. | 1000. | 0 | 0 | 1 | 0.0 | 15.60 | 1133.33 |

2800 NAT Q1= 96.16 WSEL= 343.15 ENC Q1= 96.16 WSEL= 344.15 RATIO= 0.0
 NAT Q1= 175, RATIOS LOB,CH,ROB= 0.7735 0.1730 0.0535 WSEL= 344.15

3301 HV CHANGED MORE THAN HVINS

| 3470 ENCROACHMENT STATIONS= | 225.5 | 292.4 | TYPE= | 4 | TARGET= | 0.450 | | | |
|-----------------------------|-------|--------|-------|--------|---------|-------|-------|--------|--------|
| 2588.00 | 6.06 | 344.16 | 0.0 | 343.15 | 344.55 | 0.39 | 25.32 | 0.15 | 341.40 |
| 1000. | 609. | 327. | 64. | 153. | 49. | 19. | 6. | 2. | 341.20 |
| 0.09 | 3.99 | 6.65 | 3.46 | 0.085 | 0.060 | 0.085 | 0.060 | 338.10 | 225.53 |
| 0.011551 | 1588. | 1588. | 1588. | 6 | 0 | 1 | 0.0 | 66.89 | 292.42 |

IHC209I IBCOM - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS FFB5000F420C627C . REGISTER CONTAINED 0000000000000000

TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1

MAIN 0001BEEA 010BF3C0 FD000008 0013B7F8

ENTRY POINT= 010BE3C0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

| SECTION NUMBER | CHANNEL LENGTH | MIN EL OF ROADWAY | MAX EL OF LOW CHORD | MIN EL OF GROUND | DISCHARGE (CFS) | CWSEL | TO | EG | TOPWID | STENCL | STENCR | VCH |
|----------------|----------------|-------------------|---------------------|------------------|-----------------|---------|--------|--------|--------|--------|---------|---------|
| A | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 1000.00 | 316.17 | 64.12 | 317.44 | 47.61 | 0.0 | 10.31 |
| | 1000.00 | 1000.00 | 0.0 | 0.0 | 310.10 | 1000.00 | 317.17 | 65.35 | 319.08 | 15.60 | 1117.73 | 1133.33 |
| B | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 1000.00 | 343.15 | 96.16 | 343.36 | 143.22 | 0.0 | 5.52 |
| | 2588.00 | 1588.00 | 0.0 | 0.0 | 338.10 | 1000.00 | 344.16 | 93.04 | 344.55 | 66.89 | 225.53 | 292.42 |
| | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 1000.00 | 344.70 | 48.69 | 345.99 | 43.84 | 0.0 | 9.10 |
| | 2638.00 | 50.00 | 0.0 | 0.0 | 340.10 | 1000.00 | 344.70 | 48.67 | 345.99 | 43.84 | 1100.00 | 1198.00 |
| | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 1000.00 | 345.50 | 73.02 | 346.22 | 49.19 | 0.0 | 6.81 |
| | 2650.00 | 12.00 | 356.90 | 356.60 | 340.10 | 1000.00 | 346.50 | 113.50 | 346.89 | 53.72 | 0.0 | 5.04 |
| C | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 1000.00 | 346.95 | 55.50 | 347.45 | 130.53 | 0.0 | 8.39 |
| | 2700.00 | 50.00 | 0.0 | 0.0 | 342.60 | 1000.00 | 347.97 | 52.32 | 349.06 | 51.81 | 238.36 | 290.17 |
| D | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 800.00 | 361.59 | 129.59 | 361.68 | 178.16 | 0.0 | 4.12 |
| | 4200.00 | 1500.00 | 0.0 | 0.0 | 356.70 | 800.00 | 361.87 | 142.42 | 361.97 | 99.65 | 1256.05 | 1355.70 |

SECTION DISCHARGE CWSEL CWSEL DIFF CWSEL DIFF CWSEL-WSELK TOPWID T.W. DIFF LENGTH

| SECTION NUMBER | DISCHARGE CFS | CWSEL | CWSEL DIFF EACH Q | CWSEL DIFF EACH SECTION | CWSEL-WSELK | TOPWID | T.W. DIFF | LENGTH |
|----------------|---------------|---------|-------------------|-------------------------|-------------|---------|-----------|----------|
| A | 1000.000 | 316.168 | 0.0 | 0.0 | 0.0 | 47.613 | 0.0 | 1000.000 |
| | 1000.000 | 317.170 | 1.001 | 0.0 | 0.0 | 15.604 | 32.008 | 1000.000 |
| B | 2588.000 | 343.148 | 0.0 | 26.980 | 0.0 | 143.224 | 0.0 | 1588.000 |
| | 2588.000 | 344.164 | 1.016 | 26.995 | 0.0 | 66.887 | 76.337 | 1588.000 |
| | 2638.000 | 344.704 | 0.0 | 1.556 | 0.0 | 43.840 | 0.0 | 50.000 |
| | 2638.000 | 344.704 | -0.000 | 0.540 | 0.0 | 43.836 | 0.003 | 50.000 |
| | 2650.000 | 345.498 | 0.0 | 0.793 | 0.0 | 49.191 | 0.0 | 12.000 |
| | 2650.000 | 346.497 | 1.000 | 1.793 | 0.0 | 53.715 | -4.524 | 12.000 |
| C | 2700.000 | 346.953 | 0.0 | 1.456 | 0.0 | 130.535 | 0.0 | 50.000 |
| | 2700.000 | 347.970 | 1.016 | 1.473 | 0.0 | 51.810 | 78.725 | 50.000 |
| D | 4200.000 | 361.594 | 0.0 | 14.641 | 0.0 | 178.156 | 0.0 | 1500.000 |
| | 4200.000 | 361.874 | 0.279 | 13.904 | 0.0 | 99.650 | 78.505 | 1500.000 |

DATA FOR LAST CROSS SECTION

PROFILE TYPE ENC TARGET TOP WIDTH TOP WIDTH AREA-ACRES AREA-DIFF

| | | | | |
|---|-------|-------|--------|--------|
| 1 | 0.0 | 0.0 | 10.616 | 0.0 |
| 2 | 4.000 | 0.430 | 4.249 | -6.367 |