FLOOD CONTROL DISTRICT
RECEIVED
APR 12 1990

	CH ENG		P & PM
	DEP		HYDRO
	ADMIN		LMGT
	FINANCE		FILE
	C & O		
	LMGS		

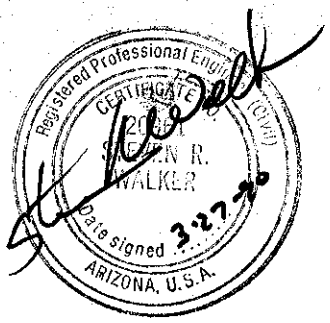
REMARKS

CAVE CREEK/CAREFREE FLOOD DELINEATION STUDY

APPENDIX C

1 of 3

CH2M HILL
Project No. RDD27815.H3



PHXR4.222.50

```
*******************************************************
*  WATER SURFACE PROFILES                             *
*  VERSION OF SEPTEMBER 1988                          *
*  ERROR: 01,02,03                                    *
*  UPDATED:  SEPTEMBER 1989                           *
*  RUN DATE     2/26/90    TIME    15:32:35           *
*******************************************************
```

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****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*           (916) 756-1104
****************************************
```

CC.OUT
2-26-90

```
X     X  XXXXXXX   XXXXX             XXXXX
X     X  X       X     X           X     X
X     X  X       X                       X
XXXXXXX  XXXX    X         XXXXX   XXXXX
X     X  X       X                 X
X     X  X       X     X           X
X     X  XXXXXXX   XXXXX            XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 2/26/90 15:32:36

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************



T1        FLOOD CONTROL DISTRICT OF MARICOPA CO - LA027815.H2
T2        10-YEAR FLOOD FREQUENCY MODEL
T3        CAVE CREEK (CC.DAT)   STA 35.49 - 38.79

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

              2                                                                   2145.99

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1         0        -1


J3  .ARIABLE CODES FOR SUMMARY PRINTOUT

    38         1        43         8        55        26        56        13        14        15
     4         5        51       150


QT       4     16890     24831     28338     34901

NC    .055      .055      .045        .1        .3

          BEGINNING WSEL's ARE FROM SEC. 35490 (CAVECREE.OUT - HTA FIS)
          COMMON SECTION IS SEC. 35490 FROM CAVE CREEK (HTA)
          STREAMFLOW DATA IS FROM CVCRK33.OUT (HEC-1 ; CH2M HILL)
          ******HEC-1 REVISED 1-4-90******
          POC 27 (SEC.35.49 - 35.69), POC 26 (SEC.35.77 - 36.31)
          POC 25 (SEC.36.40 - 36.69), POC 24 (SEC.36.78 - 37.31)
          POC "B" (SEC.37.37 - 37.80), POC 10 (SEC.37.93 - 38.79)
X1   35490        18    9962.8   10089.6     370.0     350.0     370.0
GR  2163.0    9518.5    2153.1    9540.2    2150.5    9577.6    2150.8    9631.6    2148.8    9682.5
GR  2143.4    9712.2    2145.8    9791.8    2146.1    9862.9    2143.8    9910.1    2141.6    9944.2
GR  2141.1    9947.5    2143.1    9962.8    2137.8    9990.4    2138.3   10000.0    2139.8   10042.1
GR  2141.2   10089.6    2149.9   10106.8    2162.2   10129.8


    .06       .06       .045
  35590        23    9932.1   10031.4     520.0     550.0     530.0
GR  2175.5    9355.2    2152.3    9383.2    2153.1    9422.1    2153.6    9489.0    2150.8    9565.5
GR  2149.6    9596.8    2147.3    9612.8    2149.5    9644.1    2151.6    9674.1    2151.1    9698.4
GR  2148.5    9739.3    2150.0    9801.8    2151.0    9856.1    2150.1    9901.6    2146.7    9916.0
GR  2146.4    9932.1    2142.8    9941.3    2142.3    9974.3    2139.9   10000.0    2139.1   10013.4
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GR	2147.2	10031.4	2178.6	10068.4	2182.6	10076.3

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X1    35690       21     9937.0   10050.0     460.0     470.0     530.0
GR   2178.4   9549.8     2159.7    9571.8    2156.8    9605.2    2154.8    9639.6    2155.3    9703.8
GR   2156.3   9734.9     2154.4    9768.1    2157.9    9804.5    2159.0    9931.6    2159.3    9937.0
GR   2147.7   9952.2     2145.8    9971.8    2145.7   10000.0    2146.9   10031.8    2148.8   10050.0
GR   2152.8  10140.7     2151.4   10171.5    2149.4   10203.6    2150.5   10228.2    2169.6   10240.7
GR   2180.5  10260.7

QT       4     16888      24817     28319      34868

NC    .065      .065       .045
          SUBWATERSHED E7 & E8 CONC. PT.
X1    35770       21     9931.1   10092.1     450.0     450.0     450.0
GR   2181.6   9633.5     2165.3    9659.3    2160.2    9681.6    2159.6    9716.2    2161.3    9752.1
GR   2161.3   9772.7     2159.2    9793.5    2160.3    9861.7    2161.2    9922.8    2161.2    9931.1
GR   2153.2   9949.6     2153.7    9984.7    2153.4   10000.0    2152.8   10023.9    2154.4   10042.7
GR   2156.7  10092.1     2158.4   10124.4    2156.8   10167.8    2154.2   10204.0    2164.5   10216.5
GR   2184.2  10245.1

X1    35870       19     9968.0   10120.8     520.0     520.0     530.0
GR   2200.8   9639.0     2170.9    9681.8    2170.9    9697.1    2166.2    9706.8    2165.9    9757.3
GR   2168.4   9814.7     2167.8    9863.8    2164.8    9934.0    2164.3    9968.0    2157.1    9983.3
GR   2157.4  10000.0     2158.3   10054.9    2160.0   10085.0    2162.4   10120.8    2162.5   10132.7
GR   2161.8  10199.7     2162.2   10227.1    2167.2   10260.7    2181.3   10295.1

NC    .065      .065       .035
X1    35960       21     9929.7   10054.2     450.0     450.0     480.0
GR   2194.0   9536.6     2178.8    9560.9    2171.7    9581.7    2170.1    9601.2    2171.2    9637.4
GR   2171.1   9730.1     2169.8    9778.9    2168.9    9827.3    2170.5    9891.1    2170.4    9910.4
GR   2172.0   9925.5     2166.8    9929.7    2164.1    9956.0    2160.0    9971.3    2161.9    9983.2
GR   2159.3  10000.0     2161.0   10038.0    2165.7   10054.2    2174.2   10067.5    2192.8   10093.2
GR   2193.6  10098.6

X1    36060       22     9957.6   10048.3     560.0     560.0     580.0
GR   2191.0   9405.7     2179.3    9435.6    2177.4    9501.1    2173.6    9552.2    2173.3    9585.6
GR   2173.0   9718.0     2171.5    9786.7    2171.0    9836.8    2171.3    9851.7    2174.5    9866.0
GR   2172.5   9876.3     2172.4    9886.6    2170.5    9914.1    2167.2    9957.6    2161.8    9970.2
GR   2160.5   9997.2     2160.4   10000.0    2163.4   10027.2    2169.5   10048.3    2193.6   10062.9
GR   2198.7  10081.5     2200.8   10091.8

NC    .065      .065       .06
X1    36180       22     9957.1   10144.0     580.0     630.0     630.0
GR   2201.5   9846.0     2200.1    9863.1    2198.7    9875.8    2180.0    9907.2    2179.6    9934.3
GR   2179.0   9944.4     2173.8    9957.1    2172.5    9973.8    2171.3   10000.0    2171.4   10011.3
GR   2174.2  10020.8     2174.1   10037.5    2175.8   10051.4    2175.5   10080.7    2170.7   10106.6
GR   2169.5  10127.2     2178.7   10144.0    2194.1   10173.6    2203.9   10198.7    2211.5   10228.7
GR   2222.2  10257.0     2228.1   10276.0
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X1    36230      20    9969.0   10130.4     240.0     250.0     260.0
GR   2197.7  9917.0    2196.2    9927.9    2185.0    9958.2    2181.9    9969.0    2177.6    9979.9
GR   2174.5  9994.9    2174.4   10000.0    2176.6   10005.7    2176.1   10027.6    2180.1   10054.6
GR   2180.8 10062.6    2178.9   10082.7    2176.6   10098.2    2179.3   10130.4    2183.8   10158.1
GR   2183.5 10180.4    2181.8   10249.0    2185.3   10273.2    2192.1   10286.9    2227.3   10335.2

NC    .065     .065      .045
X1    36310      16    9965.0   10027.1     350.0     430.0     420.0
GR   2205.2  9792.2    2193.7    9826.5    2191.6    9844.9    2190.7    9857.1    2183.9    9871.1
GR   2183.3  9882.2    2185.6    9908.1    2187.2    9940.9    2186.6    9953.0    2184.4    9965.0
GR   2178.9  9970.2    2178.9   10000.0    2183.8   10027.1    2185.0   10045.5    2226.8   10104.0
GR   2227.5 10113.1

QT        4   16870     24778     28271     34802

NC    .065     .065      .065
          SUBWATERSHED E6 & E6A CONC. PT.
X1    36400      13    9876.4   10085.3     510.0     490.0     480.0
GR   2228.2  9837.8    2194.0    9876.4    2189.8    9900.8    2192.3    9928.8    2193.1    9963.1
GR   2189.0 10000.0    2188.4   10047.9    2188.3   10073.8    2194.9   10085.3    2198.1   10123.6
GR   2202.5 10201.9    2204.1   10223.1    2215.1   10266.5

      36490      18    9971.6   10114.1     420.0     330.0     480.0
GR   2221.9  9892.6    2203.9    9920.3    2201.4    9934.3    2201.4    9952.1    2199.0    9971.6
GR   2196.2  9983.0    2194.1    9996.0    2193.9   10000.0    2196.7   10015.5    2197.9   10040.6
GR   2197.5 10048.8    2196.5   10080.3    2194.0   10104.4    2198.8   10114.1    2199.4   10133.6
GR   2210.3 10152.5    2228.1   10183.8    2228.4   10185.6

X1    36520      13    9928.0   10011.7     200.0     210.0     160.0
GR   2218.9  9857.6    2204.2    9897.7    2203.9    9913.2    2200.9    9928.0    2200.1    9933.5
GR   2199.0  9941.7    2200.3    9974.7    2194.9    9995.5    2194.5   10000.0    2199.4   10011.7
GR   2202.2 10030.7    2208.5   10067.3    2238.4   10119.6

X1    36610      12    9955.2   10031.1     400.0     470.0     480.0
GR   2222.6  9889.2    2208.1    9929.5    2204.5    9955.2    2202.9    9956.1    2200.6    9995.3
GR   2200.6 10000.0    2203.0   10011.6    2204.4   10031.1    2206.2   10060.2    2212.6   10087.5
GR   2229.6 10122.6    2234.2   10132.7

X1    36690      12    9957.0   10037.3     380.0     390.0     380.0
GR   2229.2  9918.3    2209.3    9957.0    2208.1    9962.7    2203.9    9990.5    2205.0   10000.0
GR   2208.3 10024.8    2209.8   10037.3    2212.5   10066.0    2215.8   10101.6    2215.7   10118.1
GR   2222.7 10135.5    2230.6   10152.3
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QT      4     16966     24890     28381     34909

        SUBWATERSHED E2 & E3 CONC. PT.
X1   36780        13    9976.3   10093.2     470.0     500.0     480.0
GR  2258.5    9913.2    2256.9    9918.2    2226.5    9960.8    2215.4    9976.3    2211.0    9977.6
GR  2209.9    9987.7    2211.6   10000.0    2211.4   10021.1    2213.3   10046.9    2218.7   10093.2
GR  2217.3   10116.0    2224.5   10138.9    2236.6   10167.9

X1   36880        13    9954.8   10023.3     550.0     560.0     530.0
GR  2265.9    9831.8    2259.6    9854.4    2246.4    9885.0    2229.6    9919.8    2228.1    9938.4
GR  2226.6    9944.1    2226.3    9954.8    2222.8    9974.7    2221.5   10000.0    2226.5   10023.3
GR  2227.4   10024.7    2247.0   10058.6    2257.0   10068.9

X1   36960        15    9943.8   10059.8     380.0     420.0     420.0
GR  2259.2    9880.5    2234.8    9922.8    2228.3    9943.8    2228.8    9957.0    2228.5    9985.5
GR  2226.0   10000.0    2229.0   10028.9    2228.4   10030.4    2230.7   10059.8    2236.8   10092.7
GR  2240.9   10115.2    2239.8   10144.4    2240.2   10178.1    2244.8   10193.5    2250.4   10206.9

X1   37010        20    9935.4   10061.1     320.0     260.0     260.0
GR  2260.6    9721.3    2248.9    9744.1    2245.5    9779.3    2242.5    9814.5    2236.9    9847.1
GR  2238.1    9863.7    2238.4    9899.3    2236.2    9932.6    2235.5    9935.4    2233.8    9964.8
GR  2229.0   10000.0    2232.1   10025.3    2231.8   10030.5    2241.5   10061.1    2245.8   10100.7
GR  2245.9   10127.8    2243.2   10157.5    2245.1   10192.4    2247.5   10217.3    2255.9   10244.0

X1   37080        20    9947.8   10081.6     400.0     320.0     370.0
GR  2273.1    9810.2    2257.0    9839.7    2251.7    9859.2    2250.3    9886.1    2248.4    9930.8
GR  2241.5    9938.8    2240.4    9947.8    2237.5    9972.9    2237.1   10000.0    2236.4   10017.0
GR  2235.8   10049.3    2239.2   10081.6    2238.2   10137.6    2241.0   10151.1    2246.4   10170.5
GR  2249.5   10200.4    2253.8   10225.0    2255.7   10247.2    2260.0   10261.3    2265.1   10278.9

X1   37120        17    9969.0   10060.6     210.0     180.0     210.0
GR  2271.9    9925.0    2251.8    9964.5    2247.2    9969.0    2240.3    9984.1    2234.9   10000.0
GR  2233.7   10013.1    2245.4   10049.4    2246.8   10060.6    2246.0   10078.1    2244.8   10115.6
GR  2242.6   10141.9    2241.7   10169.7    2249.5   10193.1    2258.6   10209.2    2261.5   10220.4
GR  2270.3   10275.9    2271.2   10287.2

X1   37200        19    9978.7   10095.8     380.0     320.0     420.0
GR  2269.3    9799.5    2262.6    9826.6    2256.2    9835.0    2255.8    9861.6    2253.3    9888.5
GR  2250.9    9914.3    2246.4    9934.0    2251.6    9950.3    2251.3    9950.4    2248.9    9978.7
GR  2243.1   10000.0    2245.0   10018.9    2246.4   10048.2    2246.3   10076.6    2251.6   10095.8
GR  2266.5   10105.3    2278.5   10122.3    2291.0   10150.5    2295.1   10165.0
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X1   37270      19    9937.0   10027.7     240.0     350.0     370.0
GR   2271.2  9707.2    2267.6    9728.4    2261.2    9745.4    2252.3    9764.9    2250.0    9793.1
GR   2254.3  9829.1    2255.6    9857.4    2254.8    9890.0    2252.7    9922.8    2254.4    9937.0
GR   2251.7  9954.5    2246.7   10000.0    2256.6   10027.7    2258.6   10047.0    2259.6   10085.8
GR   2261.6 10138.9    2263.1   10178.6    2271.7   10207.3    2270.9   10228.4

NC     .065     .065      .06
X1   37310      19    9885.7   10031.9     200.0     220.0     210.0
GR   2273.5  9752.5    2273.4    9771.1    2254.2    9803.6    2255.4    9816.9    2257.2    9851.3
GR   2256.1  9885.7    2254.3    9924.0    2253.4    9931.6    2252.7    9975.7    2249.6    9998.7
GR   2249.9 10000.0    2253.9   10019.4    2259.2   10031.9    2262.5   10108.7    2264.0   10245.4
GR   2264.9 10275.1    2266.8   10292.0    2278.6   10327.5    2284.4   10343.5

QT       4    7105      9819     10979     13168

NC     .065     .065      .035
         SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
X1   37370      20    9945.7   10095.8     320.0     340.0     320.0
GR   2280.5  9883.0    2277.1    9910.6    2270.1    9928.4    2261.2    9945.7    2258.8    9953.8
GR   2254.5  9965.3    2255.6    9988.8    2255.5   10000.0    2253.7   10015.2    2258.0   10027.5
GR   2257.8 10049.7    2258.7   10077.4    2261.1   10095.8    2265.3   10242.3    2267.6   10338.1
GR   2269.5 10452.6    2274.5   10580.0    2277.9   10603.0    2282.8   10627.0    2288.7   10655.7

X1   37470      24    9969.8   10062.0     480.0     450.0     530.0
GR   2291.1  9896.5    2290.6    9938.2    2289.0    9953.0    2262.3    9969.8    2258.6    9985.8
GR   2257.7 10000.0    2258.1   10012.8    2259.1   10035.3    2262.2   10048.8    2266.1   10062.0
GR   2266.9 10103.0    2266.6   10166.1    2265.9   10260.4    2266.3   10341.6    2264.7   10382.1
GR   2260.3 10388.8    2265.2   10404.5    2264.2   10427.8    2266.8   10465.3    2270.4   10536.4
GR   2272.5 10614.9    2271.5   10695.2    2272.3   10714.4    2291.6   10755.4

X1   37570      29    9963.9   10065.5     520.0     490.0     530.0
GR   2288.3  9854.8    2285.0    9869.5    2279.9    9906.8    2277.7    9929.7    2277.1    9945.0
GR   2272.7  9963.9    2261.7    9980.4    2259.8    9997.9    2259.4   10000.0    2261.5   10019.5
GR   2264.2 10036.1    2269.2   10065.5    2268.1   10103.9    2268.3   10115.7    2271.2   10138.2
GR   2272.1 10251.7    2272.2   10346.5    2270.5   10409.2    2268.7   10437.4    2264.7   10454.1
GR   2268.4 10477.6    2268.3   10494.5    2271.0   10518.8    2271.7   10544.1    2273.3   10654.6
GR   2275.4 10681.4    2276.4   10711.4    2284.9   10728.5    2295.1   10749.3

NC     .065     .065      .045
X1   37660      25    9923.4   10128.4     500.0     490.0     480.0
GR   2292.6  9865.8    2281.1    9898.5    2277.9    9916.5    2272.8    9923.4    2272.1    9938.2
GR   2274.1  9953.3    2273.7    9966.6    2273.0    9976.8    2270.0    9990.3    2271.0   10000.0
GR   2272.5 10016.0    2275.2   10028.9    2271.1   10040.0    2271.1   10067.9    2271.2   10099.4
GR   2277.0 10128.4    2276.2   10187.4    2276.9   10241.7    2276.3   10298.4    2273.5   10347.9
GR   2270.6 10362.1    2272.2   10375.1    2276.2   10391.3    2295.3   10422.8    2300.8   10456.5
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X1    37750      27    9959.6   10186.4     450.0     450.0     480.0
GR   2306.7    9883.0   2306.1    9905.4    2295.7    9928.7    2286.0    9948.9    2281.8    9959.6
GR   2281.5    9962.4   2279.8    9974.9    2276.5    9983.7    2278.5   10000.0    2279.4   10026.6
GR   2280.5   10040.3   2281.3   10069.7    2281.9   10101.8    2280.5   10113.8    2279.7   10140.2
GR   2280.2   10168.3   2280.9   10186.4    2284.8   10213.0    2284.2   10249.7    2280.1   10284.5
GR   2281.0   10315.9   2283.4   10337.5    2285.2   10361.7    2286.1   10378.6    2296.8   10406.7
GR   2305.8   10432.4   2306.8   10444.5

NC    .065      .065      .035
X1    37800      19    9917.1   10138.7     280.0     280.0     260.0
GR   2308.0    9663.1   2300.0    9687.5    2295.0    9703.3    2292.9    9749.4    2288.7    9825.8
GR   2285.5    9917.1   2282.9    9958.8    2282.9    9974.8    2283.0    9992.8    2282.7   10000.0
GR   2283.0   10042.7   2283.0   10051.8    2283.0   10087.4    2284.8   10109.3    2287.3   10138.7
GR   2291.7   10191.9   2293.8   10237.0    2297.8   10272.5    2309.8   10312.6

QT        4    16613     24246     27603     33871

NC    .065      .065      .040
          SUBWATERSHED A7 CONC. PT. AND FLOW FROM UPPER BASIN.
X1    37930      22    9928.9   10053.2     670.0     730.0     690.0
GR   2305.7    9747.6   2302.6    9758.5    2292.7    9776.0    2292.2    9790.3    2293.5    9830.3
GR   2293.5    9844.3   2288.4    9858.8    2294.0    9880.3    2290.2    9928.9    2285.7    9945.0
     2286.6    9955.4   2284.3    9997.2    2283.7   10000.0    2285.8   10027.5    2285.9   10038.4
     2289.0   10053.2   2294.5   10084.7    2300.8   10109.7    2300.7   10163.2    2303.8   10175.0
GR   2305.6   10204.1   2312.1   10235.8

X1    38030      19    9954.5   10115.4     520.0     520.0     530.0
GR   2319.3    9870.7   2306.3    9908.3    2301.7    9936.6    2297.8    9954.5    2296.7    9967.4
GR   2293.0    9986.7   2292.8   10000.0    2295.0   10048.7    2295.2   10059.4    2295.2   10092.6
GR   2298.3   10115.4   2301.3   10176.7    2302.9   10247.1    2305.1   10326.4    2306.7   10395.5
GR   2309.0   10449.0   2309.3   10497.9    2312.0   10517.9    2316.5   10544.1

NC    .065      .065       .06
X1    38140      22    9953.8   10027.7     590.0     560.0     580.0
GR   2321.8    9825.2   2306.5    9845.3    2301.8    9860.8    2302.6    9877.2    2303.5    9899.9
GR   2301.7    9918.9   2301.6    9927.9    2301.6    9953.8    2296.7    9961.9    2297.9    9978.2
GR   2295.1   10000.0   2294.5   10011.3    2301.8   10027.7    2304.5   10079.3    2307.7   10182.7
GR   2310.0   10285.7   2309.9   10306.6    2313.0   10342.2    2314.9   10414.3    2316.1   10486.3
GR   2316.9   10539.5   2316.6   10540.9

NC    .065      .065      .045
X1    38250      19    9929.9   10111.7     470.0     390.0     580.0
GR   2334.4    9876.6   2320.8    9907.0    2303.9    9929.9    2307.2    9949.2    2305.7    9963.9
GR   2305.4    9996.5   2305.5   10000.0    2305.9   10022.4    2305.2   10031.1    2304.0   10045.7
GR   2306.6   10077.4   2309.0   10111.7    2308.9   10137.3    2312.2   10267.6    2314.7   10359.8
     2315.7   10396.6   2318.1   10414.3    2330.4   10443.6    2337.7   10456.0
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NC	.065	.065	.04							
X1	38320	20	9963.2	10064.8	360.0	400.0	370.0			
GR	2335.0	9707.6	2312.0	9751.6	2308.6	9773.9	2309.5	9791.2	2313.0	9822.9
GR	2314.4	9858.0	2312.7	9890.1	2315.2	9903.0	2314.5	9941.3	2315.8	9963.2
GR	2308.1	9976.4	2306.5	9997.2	2306.1	10000.0	2309.0	10028.8	2309.5	10037.9
GR	2313.3	10064.8	2313.8	10091.4	2323.4	10111.5	2338.6	10140.4	2340.8	10164.4
X1	38430	17	9936.8	10050.1	480.0	590.0	580.0			
GR	2341.9	9426.7	2335.6	9449.4	2314.3	9490.7	2315.3	9515.5	2317.9	9568.5
GR	2320.3	9638.6	2320.5	9754.6	2319.8	9833.3	2320.9	9911.9	2320.4	9936.8
GR	2316.9	9968.5	2316.4	9981.3	2318.0	10000.0	2316.8	10036.8	2320.6	10050.1
GR	2346.3	10091.1	2347.3	10094.5						
X1	38500	18	9949.5	10019.4	370.0	360.0	370.0			
GR	2339.5	9583.9	2321.1	9629.1	2319.8	9650.0	2322.9	9689.9	2327.4	9743.8
GR	2329.3	9775.1	2327.4	9821.6	2326.1	9858.2	2324.8	9917.4	2325.2	9919.3
GR	2322.9	9949.5	2318.7	9979.9	2314.9	9997.1	2315.6	10000.0	2315.6	10013.8
GR	2317.8	10019.4	2342.7	10054.2	2343.4	10055.5				
NC	.065	.065	.06							
X1	38610	14	9997.1	10056.0	520.0	570.0	580.0			
GR	2351.5	9776.0	2332.6	9812.7	2332.8	9850.0	2332.5	9896.5	2329.9	9921.3
GR	2327.2	9952.3	2326.5	9974.3	2327.2	9977.0	2327.6	9997.1	2326.8	10000.0
GR	2323.7	10028.5	2324.0	10056.0	2343.4	10081.9	2358.5	10100.9		
NC	.065	.065	.045							
X1	38710	15	9971.2	10046.3	530.0	470.0	530.0			
GR	2362.3	9935.3	2359.1	9942.1	2331.9	9971.2	2326.3	9993.5	2328.1	10000.0
GR	2328.2	10012.3	2330.7	10031.0	2334.6	10046.3	2336.1	10071.4	2336.7	10080.2
GR	2338.1	10135.2	2336.7	10219.7	2335.7	10235.8	2344.6	10255.9	2356.8	10267.4
NC	.065	.065	.040							
X1	38790	16	9948.5	10093.4	430.0	390.0	422.0			
GR	2370.4	9870.2	2346.3	9905.9	2346.0	9922.8	2341.7	9948.5	2339.1	9957.8
GR	2337.6	9977.4	2337.9	10000.0	2338.2	10033.8	2338.8	10052.9	2339.7	10064.4
GR	2341.4	10093.4	2345.5	10136.5	2347.0	10168.7	2344.0	10201.8	2347.8	10223.2
GR	2356.0	10255.4								

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   CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 1



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
3720 CRITICAL DEPTH ASSUMED
         BEGINNING WSEL's ARE FROM SEC. 35490 (CAVECREE.OUT - HTA FIS)
         COMMON SECTION IS SEC. 35490 FROM CAVE CREEK (HTA)
         STREAMFLOW DATA IS FROM CVCRK33.OUT (HEC-1 ; CH2M HILL)
         ******HEC-1 REVISED 1-4-90******
         POC 27 (SEC.35.49 - 35.69), POC 26 (SEC.35.77 - 36.31)
         POC 25 (SEC.36.40 - 36.69), POC 24 (SEC.36.78 - 37.31)
         POC "B" (SEC.37.37 - 37.80), POC 10 (SEC.37.93 - 38.79)
35490.000     9.54  2147.34  2147.34  2145.99  2149.39     2.06      .00      .00  2143.10
   16890.    4327.   12361.     202.     729.     953.      37.       0.       0.   2141.20
      .00     5.93    12.97     5.43     .055     .045     .055     .000  2137.80  9690.55
  .010551     370.     370.     350.        0        7        0      .00   411.18 10101.73


   O  35590.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
35590.000    12.99  2152.09  2152.09      .00  2154.24     2.15     4.69      .03  2146.40
   16890.    3736.   13108.      46.     890.     996.      14.      22.       6.   2147.20
      .01     4.20    13.16     3.27     .060     .045     .060     .000  2139.10  9530.22
  .007597     520.     530.     550.        3       11        0      .00   506.94 10037.16


*SECNO  35690.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

35690.000    10.63  2156.33      .00      .00  2157.65     1.32     3.33      .08  2159.30
   16890.     328.   10814.    5747.     171.    1009.     991.      45.      11.   2148.80
      .03     1.92    10.72     5.80     .060     .045     .060     .000  2145.70  9613.21
  .005641     460.     530.     470.        2        0        0      .00   466.14 10232.02


*SECNO  35770.000
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED E7 & E8 CONC. PT.
35770.000     8.16  2160.96  2160.96      .00  2163.08     2.12     3.64      .24  2161.20
   16888.     431.   13280.    3177.     170.    1040.     481.      65.      16.   2156.70
      .04     2.54    12.77     6.60     .065     .045     .065     .000  2152.80  9678.28
  .012551     450.     450.     450.       20       15        0      .00   477.55 10212.20


*SECNO  35870.000

3265 DIVIDED FLOW

[illegible].000     9.62  2166.72      .00      .00  2168.46     1.74     5.34      .04  2164.30
   16888.     407.   13443.    3038.     158.    1162.     554.      87.      21.   2162.40
      .05     2.57    11.57     5.48     .065     .045     .065     .000  2157.10  9705.74
  .008331     520.     530.     520.        2        0        0      .00   438.57 10257.45


*SECNO  35960.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
35960.000    12.13  2171.43  2171.43      .00  2174.23     2.80     3.16      .32  2166.80
   16888.     748.   16063.      78.     355.    1166.      26.     105.      26.   2165.70
      .06     2.11    13.77     3.03     .065     .035     .065     .000  2159.30  9585.04
  .005425     450.     480.     450.        3       11        0      .00   472.23 10063.16


*SECNO  36060.000
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3301 HV CHANGED MORE THAN HVINS

36060.000    14.28  2174.68  2174.28      .00  2176.86     2.18     2.56      .06  2167.20
   16888.    3115.   13760.      14.    1046.    1055.       8.     129.      32.   2169.50
      .08     2.98    13.04     1.69     .065     .035     .065     .000  2160.40  9537.66
  .003697     560.     580.     560.        4       11        0      .00   513.78 10051.44


*SECNO  36180.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36180.000    10.00  2179.50  2179.50      .00  2182.54     3.05     5.00      .26  2173.80
   16888.     310.   16577.       1.      41.    1176.       1.     152.      37.   2178.70
      .09     7.48    14.10     1.93     .065     .060     .065     .000  2169.50  9936.04
  .028582     580.     630.     630.       10       19        0      .00   209.49 10145.53


*SECNO  36230.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.47

36230.000    11.39  2185.79      .00      .00  2187.51     1.72     4.84      .13  2181.90
   16888.     114.   14328.    2446.      26.    1280.     433.     161.      39.   2179.30
      .10     4.39    11.19     5.64     .065     .060     .065     .000  2174.40  9956.09
  .013148     240.     260.     250.        2        0        0      .00   318.07 10274.17


*SECNO  36310.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36310.000    12.04  2190.94  2190.94      .00  2194.30     3.36     5.16      .49  2184.40
   16888.    4338.   11388.    1162.     564.     667.     145.     176.      41.   2183.80
      .11     7.69    17.08     8.01     .065     .045     .065     .000  2178.90  9853.86
  .011969     350.     420.     430.        3        8        0      .00   199.95 10053.81
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  36400.000

3301 HV CHANGED MORE THAN HVINS

         SUBWATERSHED E6 & E6A CONC. PT.
36400.000    10.38  2198.68      .00      .00  2200.13     1.45     5.64      .19  2194.00
   16870.      44.   16483.     343.      12.    1692.      86.     194.      44.   2194.90
      .12     3.54     9.74     3.98     .065     .065     .065     .000  2188.30  9871.12
  .011338     510.     480.     490.        2        0        0      .00   262.74 10133.86


*SECNO  36490.000

3301 HV CHANGED MORE THAN HVINS

36490.000    10.81  2204.71      .00      .00  2206.82     2.11     6.49      .20  2199.00
   16870.    1242.   14470.    1158.     176.    1188.     134.     211.      46.   2198.80
      .13     7.06    12.18     8.66     .065     .065     .065     .000  2193.90  9919.06
  .017098     420.     480.     330.        2        0        0      .00   223.74 10142.80


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36520.000    13.50  2208.00  2208.00      .00  2211.44     3.43     3.48      .40  2200.90
   16870.    1603.   12705.    2562.     164.     792.     235.     216.      47.   2199.40
      .13     9.78    16.05    10.92     .065     .065     .065     .000  2194.50  9887.33
  .025348     200.     160.     210.        2       11        0      .00   177.09 10064.41


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.95

36610.000    15.10  2215.70      .00      .00  2217.11     1.41     5.47      .20  2204.50
   16870.    2350.   10725.    3794.     322.    1024.     485.     233.      49.   2204.40
      .15     7.30    10.47     7.83     .065     .065     .065     .000  2200.60  9908.37
  .006681     400.     480.     470.        3        0        0      .00   185.54 10093.91
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    14.59  2218.49      .00      .00  2220.91     2.43     3.50      .30  2209.30
   16870.     553.   12881.    3436.      82.     948.     420.     247.      51.   2209.80
      .16     6.74    13.59     8.19     .065     .065     .065     .000  2203.90  9939.14
  .013330     380.     380.     390.        3        0        0      .00   185.89 10125.02


*SECNO  36780.000

3301 HV CHANGED MORE THAN HVINS

         SUBWATERSHED E2 & E3 CONC. PT.
36780.000    14.77  2224.67      .00      .00  2226.49     1.82     5.52      .06  2215.40
   16966.     331.   14946.    1689.      60.    1327.     239.     264.      53.   2218.70
      .17     5.52    11.26     7.08     .065     .065     .065     .000  2209.90  9963.35
  .009927     470.     480.     500.        3        0        0      .00   175.96 10139.31


*SECNO  36880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36880.000    13.02  2234.52  2234.52      .00  2238.79     4.27     7.94      .74  2226.30
   16966.    3137.   13364.     464.     258.     757.      54.     281.      55.   2226.50
      .18    12.17    17.67     8.53     .065     .065     .065     .000  2221.50  9909.61
  .024683     550.     530.     560.       20       15        0      .00   127.41 10037.02


*SECNO  36960.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.35

36960.000    15.77  2241.77      .00      .00  2242.77     1.00     3.65      .33  2228.30
   16966.    1634.   13309.    2022.     257.    1551.     435.     296.      57.   2230.70
      .19     6.36     8.58     4.65     .065     .065     .065     .000  2226.00  9910.71
  .004471     380.     420.     420.        3        0        0      .00   272.66 10183.37
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  37010.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .67

37010.000    14.19  2243.19      .00      .00  2244.62     1.43     1.72      .13  2235.50
   16966.    4055.   12885.      27.     604.    1244.      13.     309.      58.   2241.50
      .20     6.72    10.35     2.02     .065     .065     .065     .000  2229.00  9806.41
  .009861     320.     260.     260.        3        0        0      .00   270.25 10076.66


*SECNO  37080.000
37080.000    10.95  2246.75      .00      .00  2247.97     1.22     3.32      .02  2240.40
   16966.     403.   11789.    4774.      68.    1264.     607.     325.      61.   2239.20
      .21     5.91     9.32     7.87     .065     .065     .065     .000  2235.80  9932.71
  .008356     400.     370.     320.        3        0        0      .00   241.14 10173.86


*SECNO  37120.000

 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37120.000    14.77  2248.47  2248.47      .00  2251.38     2.91     2.75      .51  2247.20
   16966.       2.   11730.    5235.       1.     780.     522.     333.      62.   2246.80
      .22     2.17    15.03    10.03     .065     .065     .065     .000  2233.70  9967.75
  .026435     210.     210.     180.        2       11        0      .00   222.26 10190.02


*SECNO  37200.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.61

37200.000    13.11  2256.21      .00      .00  2257.74     1.53     6.22      .14  2248.90
   16966.    4406.   12541.      18.     596.    1175.       7.     347.      64.   2251.60
      .23     7.39    10.67     2.67     .065     .065     .065     .000  2243.10  9834.98
  .010258     380.     420.     320.        3        0        0      .00   263.76 10098.74
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  37270.000
37270.000    13.09  2259.79      .00      .00  2260.93     1.14     3.15      .04  2254.40
   16966.    8875.    7887.     204.    1153.     825.      69.     360.      66.  2256.60
      .24     7.70     9.56     2.95     .065     .065     .065     .000  2246.70  9748.50
  .009513     240.     370.     350.        3        0        0      .00   342.22 10090.72


*SECNO  37310.000
37310.000    12.05  2261.65      .00      .00  2263.26     1.61     2.19      .14  2256.10
   16966.    3737.   13029.     200.     494.    1195.      70.     369.      67.  2259.20
      .24     7.56    10.90     2.86     .065     .060     .065     .000  2249.60  9790.99
  .011952     200.     210.     220.        2        0        0      .00   297.93 10088.92


*SECNO  37370.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
     .000    10.73  2264.43      .00      .00  2265.01      .58     1.64      .10  2261.20
    7105.      12.    6850.     243.      10.    1099.     193.     381.      69.  2261.10
      .26     1.14     6.23     1.26     .065     .035     .065     .000  2253.70  9939.43
  .001545     320.     320.     340.        2        0        0      .00   272.37 10211.80


*SECNO  37470.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37470.000     7.90  2265.60  2265.60      .00  2268.00     2.40     1.61      .54  2262.30
    7105.       7.    6751.     347.       3.     531.     111.     392.      72.  2266.10
      .27     1.95    12.72     3.13     .065     .035     .065     .000  2257.70  9967.72
  .008660     480.     530.     450.       20       20        0      .00   181.25 10447.99


*SECNO  37570.000
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

37570.000    10.60  2270.00      .00      .00  2271.40     1.40     3.30      .10  2272.70
    7105.       0.    6367.     738.       0.     637.     274.     401.      74.   2269.20
      .29      .00     9.99     2.69     .000     .035     .065     .000  2259.40  9967.95
  .004750     520.     530.     490.        2        0        0      .00   253.65 10509.78


*SECNO  37660.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37660.000     5.32  2275.32  2275.32      .00  2276.79     1.48     4.23      .02  2272.80
    7105.      15.    6151.     939.       4.     605.     146.     411.      77.   2277.00
      .30     3.38    10.17     6.42     .065     .045     .065     .000  2270.00  9919.99
  .021509     500.     480.     490.        7        8        0      .00   271.97 10387.73


*SECNO  37750.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

37750.000     7.00  2283.50      .00      .00  2284.46      .96     7.61      .05  2281.80
    7105.       8.    6281.     816.       4.     764.     193.     420.      81.   2280.90
      .32     2.18     8.22     4.23     .065     .045     .065     .000  2276.50  9955.26
  .012349     450.     480.     450.        5        0        0      .00   332.16 10338.88


*SECNO  37800.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


37800.000     4.13  2286.83  2286.83      .00  2288.40     1.57     3.15      .18  2285.50
    7105.      47.    7058.       0.      25.     700.       0.     425.      82.   2287.30
      .33     1.89    10.08      .00     .065     .035     .000     .000  2282.70  9879.23
  .011777     280.     260.     280.        3       14        0      .00   253.92 10133.14


*SECNO  37930.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED A7 CONC. PT. AND FLOW FROM UPPER BASIN.
37930.000    10.80  2294.50  2294.50      .00  2297.27     2.77     6.27      .36  2290.20
   16613.     1310.   14955.     348.     351.    1066.      87.     443.      87.   2289.00
      .34     3.74    14.03     4.03     .065     .040     .065     .000  2283.70  9772.83
  .008220     670.     690.     730.        3       20        0      .00   311.85 10084.68


 SECNO  38030.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000     9.26  2302.06  2302.06      .00  2304.93     2.87     4.85      .03  2297.80
   16613.      165.   15879.     569.      42.    1144.     151.     460.      90.   2298.30
      .35     3.96    13.88     3.75     .065     .040     .065     .000  2292.80  9934.37
  .010262     520.     530.     520.        2        11        0      .00   275.88 10210.25


*SECNO  38140.000

3301 HV CHANGED MORE THAN HVINS

38140.000    14.33  2308.83      .00      .00  2310.03     1.20     4.93      .17  2301.60
   16613.     4542.    9164.    2908.     686.     869.     603.     483.      95.   2301.80
      .37     6.62    10.55     4.82     .065     .060     .065     .000  2294.50  9842.24
  .007178     590.     580.     560.        2         0        0      .00   390.94 10233.18


*SECNO  38250.000

3301 HV CHANGED MORE THAN HVINS

38250.000     8.90  2312.80      .00      .00  2314.72     1.93     4.48      .22  2303.90
   16613.      284.   14641.    1689.      54.    1246.     398.     506.      99.   2309.00
      .38     5.29    11.75     4.24     .065     .045     .065     .000  2303.90  9917.84
  .007768     470.     580.     390.        2         0        0      .00   371.81 10289.65
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  38320.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38320.000    10.49  2316.59  2316.59      .00  2319.02     2.43     3.88      .15  2315.80
   16613.    5169.   11010.     434.     791.     750.      89.     520.     102.   2313.30
      .39     6.53    14.68     4.88     .065     .040     .065     .000  2306.10  9742.82
  .011240     360.     370.     400.        2       11        0      .00   354.42 10097.24


*SECNO  38430.000

3301 HV CHANGED MORE THAN HVINS

38430.000     8.99  2323.29      .00      .00  2324.24      .95     5.07      .15  2320.40
   16613.   10114.    6486.      13.    1818.     624.       6.     544.     108.   2320.60
      .41     5.56    10.39     2.25     .065     .040     .065     .000  2314.30  9473.26
  .003120     480.     580.     590.        3        0        0      .00   581.13 10054.40


*SECNO  38500.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38500.000    13.11  2328.01  2328.01      .00  2330.60     2.59     3.08      .49  2322.90
   16613.    5581.   10633.     398.     968.     684.      73.     562.     112.   2317.80
      .42     5.77    15.55     5.47     .065     .040     .065     .000  2314.90  9612.12
  .008568     370.     370.     360.       20       14        0      .00   368.82 10033.67


*SECNO  38610.000
38610.000    11.00  2334.70      .00      .00  2337.12     2.42     6.51      .02  2327.60
   16613.    7226.    8787.     599.     793.     590.      76.     582.     115.   2324.00
      .43     9.11    14.90     7.84     .065     .060     .065     .000  2323.70  9808.62
  .016886     520.     580.     570.        4        0        0      .00   261.67 10070.29
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO  38710.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38710.000    14.57  2340.87  2340.87      .00  2343.51     2.64     5.91      .07  2331.90
   16613.     195.   12488.    3929.      43.     847.     767.     600.     119.   2334.60
      .45     4.54    14.75     5.13     .065     .045     .065     .000  2326.30  9961.61
  .008110     530.     530.     470.        2        9        0      .00   285.86 10247.47


*SECNO  38790.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38790.000     8.85  2346.45  2346.45      .00  2349.38     2.92     3.70      .09  2341.70
   16613.     288.   15576.     748.      72.    1102.     189.     614.     121.   2341.40
      .45     4.00    14.14     3.95     .065     .040     .065     .000  2337.60  9905.67
  .009727     430.     422.     390.        3       14        0      .00   292.20 10215.62
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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2   50-YEAR FLOOD FREQUENCY MODEL
T3   CAVE CREEK (CC.DAT)     STA 35.49 - 38.79

J1 ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

   -10      3                                                   2148.12

J2 NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

   2                -1
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 CNO    DEPTH    CWSEL    CRIWS    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  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 2



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
3720 CRITICAL DEPTH ASSUMED
         BEGINNING WSEL's ARE FROM SEC. 35490 (CAVECREE.OUT - HTA FIS)
         COMMON SECTION IS SEC. 35490 FROM CAVE CREEK (HTA)
         STREAMFLOW DATA IS FROM CVCRK33.OUT (HEC-1 ; CH2M HILL)
         ******HEC-1 REVISED 1-4-90******
         POC 27 (SEC.35.49 - 35.69), POC 26 (SEC.35.77 - 36.31)
         POC 25 (SEC.36.40 - 36.69), POC 24 (SEC.36.78 - 37.31)
         POC "B" (SEC.37.37 - 37.80), POC 10 (SEC.37.93 - 38.79)
35490.000    10.76  2148.56  2148.56  2148.12  2151.15     2.59      .00      .00  2143.10
   24831.     7949.   16541.     341.    1066.    1107.      53.       0.       0.   2141.20
      .00     7.46    14.94     6.38     .055     .045     .055     .000  2137.80  9683.84
  .011442     370.     370.     350.        0        7        0      .00   420.30 10104.14


 NO  35590.000
35590.000    14.62  2153.72  2153.60      .00  2155.88     2.16     4.69      .04  2146.40
   24831.     8433.   16302.      96.    1646.    1158.      25.      30.       6.   2147.20
      .01     5.12    14.08     3.83     .060     .045     .060     .000  2139.10  9381.49
  .007116     520.     530.     550.        6       11        0      .00   657.60 10039.08


*SECNO  35690.000

3265 DIVIDED FLOW

35690.000    11.96  2157.66      .00      .00  2159.38     1.72     3.46      .04  2159.30
   24831.     1446.   14474.    8910.     428.    1156.    1235.      62.      13.   2148.80
      .03     3.38    12.53     7.22     .060     .045     .060     .000  2145.70  9595.19
  .006593     460.     530.     470.        2        0        0      .00   500.67 10232.89


*SECNO  35770.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED E7 & E8 CONC. PT.
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   CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


35770.000     9.57  2162.37  2162.37      .00  2164.75     2.38     3.87      .20  2161.20
   24817.    2106.   17741.    4970.     517.    1266.     651.      89.      18.   2156.70
      .04     4.07    14.01     7.63     .065     .045     .065     .000  2152.80  9672.13
  .011677     450.     450.     450.        3       15        0      .00   541.78 10213.91


*SECNO  35870.000

3265 DIVIDED FLOW

35870.000    10.87  2167.97  2167.62      .00  2170.26     2.29     5.51      .01  2164.30
   24817.    1405.   18429.    4983.     385.    1354.     730.     119.      25.   2162.40
      .05     3.65    13.61     6.82     .065     .045     .065     .000  2157.10  9703.14
  .009399     520.     530.     520.        4        8        0      .00   514.77 10262.59


*SECNO  35960.000

3301 HV CHANGED MORE THAN HVINS

   20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
35960.000    14.14  2173.44  2173.44      .00  2176.37     2.93     3.12      .19  2166.80
   24817.    3602.   21051.     164.    1058.    1417.      47.     146.      30.   2165.70
      .06     3.40    14.85     3.51     .065     .035     .065     .000  2159.30  9576.60
  .004867     450.     480.     450.       20       11        0      .00   489.71 10066.31


*SECNO  36060.000

3301 HV CHANGED MORE THAN HVINS

36060.000    16.08  2176.48      .00      .00  2178.89     2.41     2.46      .05  2167.20
   24817.    7084.   17702.      31.    1824.    1218.      15.     182.      36.   2169.50
      .07     3.88    14.53     2.09     .065     .035     .065     .000  2160.40  9513.46
  .003788     560.     580.     560.        3        0        0      .00   539.07 10052.53


*SECNO  36180.000

3301 HV CHANGED MORE THAN HVINS
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36180.000    11.91  2181.41  2181.41      .00  2185.04     3.63     4.84      .37  2173.80
   24817.     975.   23814.     28.     130.    1534.       7.     215.      42.   2178.70
      .09     7.48    15.53    4.03     .065     .060     .065     .000  2169.50  9904.83
  .024321     580.     630.    630.        6       19        0      .00   244.38 10149.21


*SECNO  36230.000

3301 HV CHANGED MORE THAN HVINS

36230.000    13.12  2187.52     .00      .00  2189.60     2.08     4.40      .15  2181.90
   24817.     304.   19502.   5011.      52.    1561.     686.     227.      43.   2179.30
      .09     5.79    12.50    7.30     .065     .060     .065     .000  2174.40  9951.39
  .012589     240.     260.    250.        2        0        0      .00   326.27 10277.67


*SECNO  36310.000

 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36310.000    14.14  2193.04  2193.04      .00  2197.08     4.04     5.02      .59  2184.40
   24817.    7594.   15306.   1917.     822.     797.     204.     246.      46.   2183.80
      .10     9.23    19.19    9.39     .065     .045     .065     .000  2178.90  9832.28
  .011917     350.     420.    430.        4        8        0      .00   224.47 10056.75


*SECNO  36400.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED E6 & E6A CONC. PT.
36400.000    12.60  2200.90     .00      .00  2202.65     1.75     5.34      .23  2194.00
   24778.     117.   23419.   1243.      27.    2156.     238.     270.      49.   2194.90
      .11     4.35    10.86    5.22     .065     .065     .065     .000  2188.30  9868.62
  .010204     510.     480.    490.        2        0        0      .00   304.77 10173.38


*SECNO  36490.000
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
          QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME    VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3301 HV CHANGED MORE THAN HVINS

36490.000   12.48  2206.38     .00      .00  2209.25     2.87     6.26      .33  2199.00
   24778.    2461.   20386.   1931.     267.    1428.     184.     293.      52.   2198.80
      .12     9.23    14.27   10.47     .065     .065     .065     .000  2193.90  9916.47
  .018390     420.     480.    330.        2        0        0      .00   229.25 10145.72


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36520.000   15.58  2210.08  2210.08     .00  2214.28     4.20     3.59      .40  2200.90
   24778.    2988.   17310.   4480.     254.     965.     351.     300.      53.   2199.40
      .12    11.75    17.93   12.75     .065     .065     .065     .000  2194.50  9881.67
  .024293     200.     160.    210.        3       11        0      .00   188.39 10070.06


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.84

36610.000   17.64  2218.24     .00      .00  2220.13     1.89     5.62      .23  2204.50
   24778.    3870.   14811.   6097.     450.    1217.     651.     320.      55.   2204.40
      .14     8.60    12.17    9.37     .065     .065     .065     .000  2200.60  9901.31
  .007169     400.     480.    470.        3        0        0      .00   197.85 10099.15


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000   17.20  2221.10     .00      .00  2223.94     2.84     3.53      .28  2209.30
   24778.    1037.   17268.   6473.     135.    1158.     658.     339.      56.   2209.80
      .14     7.65    14.91    9.84     .065     .065     .065     .000  2203.90  9934.05
  .012288     380.     380.    390.        3        0        0      .00   197.48 10131.53
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   CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO  36780.000
         SUBWATERSHED E2 & E3 CONC. PT.
36780.000    17.12  2227.02      .00      .00  2229.48     2.45     5.49      .04  2215.40
   24890.     641.   21072.    3177.      94.    1602.     354.     361.      58.   2218.70
      .16     6.79    13.15     8.99     .065     .065     .065     .000  2209.90  9960.07
  .010541     470.     480.     500.        3        0        0      .00   184.88 10144.94


*SECNO  36880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36880.000    15.62  2237.12  2237.12      .00  2242.38     5.26     8.07      .84  2226.30
   24890.    5455.   18484.     952.     382.     934.      96.     383.      60.   2226.50
      .16    14.27    19.78     9.92     .065     .065     .065     .000  2221.50  9904.23
  .023352     550.     530.     560.       20       11        0      .00   137.28 10041.51


*SECNO  36960.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.44

36960.000    18.95  2244.95      .00      .00  2246.06     1.11     3.26      .42  2228.30
   24890.    2546.   17767.    4577.     371.    1919.     845.     404.      62.   2230.70
      .18     6.87     9.26     5.42     .065     .065     .065     .000  2226.00  9905.21
  .003916     380.     420.     420.        3        0        0      .00   288.65 10193.86


*SECNO  37010.000
37010.000    17.16  2246.16      .00      .00  2247.52     1.35     1.38      .07  2235.50
   24890.    7529.   16663.     698.    1038.    1618.     232.     423.      65.   2241.50
      .19     7.25    10.30     3.01     .065     .065     .065     .000  2229.00  9772.45
  .006874     320.     260.     260.        3        0        0      .00   430.97 10203.42


*SECNO  37080.000
37080.000    12.99  2248.79      .00      .00  2250.43     1.64     2.83      .09  2240.40
   24890.     727.   16702.    7461.     103.    1538.     816.     446.      68.   2239.20
      .20     7.05    10.86     9.15     .065     .065     .065     .000  2235.80  9921.55
    3728     400.     370.     320.        2        0        0      .00   272.03 10193.58
```

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 37120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .58

37120.000	16.50	2250.20	2250.19	.00	2253.83	3.63	2.80	.60	2247.20
24890.	17.	15823.	9050.	4.	939.	750.	455.	69.	2246.80
.20	3.81	16.86	12.07	.065	.065	.065	.000	2233.70	9966.06
.025984	210.	210.	180.	4	11	0	.00	228.28	10194.34

*SECNO 37200.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.58

[illegible].000	15.14	2258.24	.00	.00	2260.19	1.94	6.19	.17	2248.90
24890.	7658.	17184.	48.	890.	1412.	14.	473.	71.	2251.60
.21	8.61	12.17	3.44	.065	.065	.065	.000	2243.10	9832.33
.010442	380.	420.	320.	2	0	0	.00	267.70	10100.03

*SECNO 37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000	15.17	2261.87	.00	.00	2263.20	1.33	2.95	.06	2254.40
24890.	13360.	10471.	1058.	1548.	1013.	257.	491.	73.	2256.60
.22	8.63	10.34	4.12	.065	.065	.065	.000	2246.70	9743.65
.008460	240.	370.	350.	2	0	0	.00	402.05	10145.70

*SECNO 37310.000

3301 HV CHANGED MORE THAN HVINS

37310.000	13.84	2263.44	.00	.00	2265.44	2.01	2.04	.20	2256.10
24890.	5965.	17938.	987.	666.	1457.	239.	504.	75.	2259.20
.22	8.95	12.31	4.13	.065	.060	.065	.000	2249.60	9787.96
.011716	200.	210.	220.	2	0	0	.00	406.26	10194.23

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO  37370.000

3301 HV CHANGED MORE THAN HVINS

         SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
37370.000    12.75  2266.45      .00      .00  2267.03      .58     1.45      .14  2261.20
    9819.      37.    8951.     831.      27.    1403.     504.     519.      78.   2261.10
      .24     1.38     6.38     1.65     .065     .035     .065     .000  2253.70  9935.49
  .001169     320.     320.     340.        2        0        0      .00   354.72 10290.21


*SECNO  37470.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37470.000     9.77  2267.47  2267.47      .00  2269.23     1.76     1.11      .35  2262.30
    9319.      17.    8163.    1639.       8.     703.     642.     538.      83.   2266.10
      .25     2.02    11.62     2.55     .065     .035     .065     .000  2257.70  9966.55
  .005089     480.     530.     450.       20       19        0      .00   512.03 10478.58


*SECNO  37570.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37570.000    10.96  2270.36  2270.36      .00  2272.63     2.28     3.18      .16  2272.70
    9819.       0.    8635.    1184.       0.     672.     332.     552.      87.   2269.20
      .27      .00    12.85     3.56     .000     .035     .065     .000  2259.40  9967.42
  .007372     520.     530.     490.        2        8        0      .00   265.78 10513.00


*SECNO  37660.000

3265 DIVIDED FLOW
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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .66

37660.000     6.26  2276.26  2276.05      .00  2277.84     1.57     5.13      .07  2272.80
    9819.      30.    8394.    1395.       8.     793.     224.     564.      90.   2277.00
      .28     3.69    10.59     6.22     .065     .045     .065     .000  2270.00  9918.71
  .016780     500.     480.     490.        8       11        0      .00   307.84 10391.40


*SECNO  37750.000

3265 DIVIDED FLOW

37750.000     7.48  2283.98      .00      .00  2285.34     1.36     7.48      .02  2281.80
    9819.      17.    8568.    1234.       6.     873.     245.     575.      94.   2280.90
      .29     2.81     9.82     5.04     .065     .045     .065     .000  2276.50  9954.04
     4747     450.     480.     450.        4        0        0      .00   347.17 10345.33


*SECNO  37800.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37800.000     4.93  2287.63  2287.63      .00  2289.49     1.86     3.28      .15  2285.50
    9819.     160.    9659.       0.      65.     876.       1.     581.      96.   2287.30
      .30     2.48    11.03      .71     .065     .035     .065     .000  2282.70  9856.39
  .010804     280.     260.     280.        2       14        0      .00   286.27 10142.66


*SECNO  37930.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED A7 CONC. PT. AND FLOW FROM UPPER BASIN.
37930.000    12.47  2296.17  2296.17      .00  2299.52     3.35     6.16      .45  2290.20
   24246.     3206.   20255.     785.     615.    1275.     145.     605.     101.   2289.00
      .31     5.21    15.89     5.42     .065     .040     .065     .000  2283.70  9769.86
  .008316     670.     690.     730.        3       20        0      .00   321.48 10091.34
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  38030.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000    11.18  2303.98  2303.98     .00  2307.20     3.22     4.52      .01  2297.80
   24246.     456.   21902.    1888.     92.    1453.     410.     629.     105.   2298.30
      .32     4.97    15.08     4.61    .065     .040     .065     .000  2292.80  9922.57
  .008808     520.     530.     520.      20       11        0      .00   363.47 10286.04


*SECNO  38140.000

3301 HV CHANGED MORE THAN HVINS

38140.000    16.10  2310.60     .00     .00  2311.97     1.37     4.58      .18  2301.60
   24246.    6855.   11574.    5817.    886.    1000.    1046.     661.     110.   2301.80
      .34     7.74    11.58     5.56    .065     .060     .065     .000  2294.50  9839.92
  .007171     590.     580.     560.       3        0        0      .00   474.71 10314.62


SECNO  38250.000

3301 HV CHANGED MORE THAN HVINS

38250.000    10.37  2314.27     .00     .00  2316.62     2.35     4.35      .29  2303.90
   24246.     424.   20104.    3719.     73.    1513.     699.     691.     115.   2309.00
      .35     5.82    13.29     5.32    .065     .045     .065     .000  2303.90  9915.85
  .009643     470.     580.     390.       2        0        0      .00   427.95 10343.80


*SECNO  38320.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38320.000    11.91  2318.01  2318.01     .00  2321.00     2.99     3.89      .19  2315.80
   24246.    8489.   14901.     856.   1107.     894.     137.     710.     118.   2313.30
      .36     7.67    16.66     6.24    .065     .040     .065     .000  2306.10  9740.10
  .011438     360.     370.     400.       2       11        0      .00   360.12 10100.22
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[illegible]CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 38430.000

3301 HV CHANGED MORE THAN HVINS

38430.000	10.47	2324.77	.00	.00	2325.86	1.09	4.67	.19	2320.40
24246.	15291.	8916.	39.	2504.	791.	14.	742.	124.	2320.60
.38	6.11	11.27	2.79	.065	.040	.065	.000	2314.30	9470.40
.006959	480.	580.	590.	2	0	0	.00	586.35	10056.75

*SECNO 38500.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

38500.000	14.78	2329.68	2329.68	.00	2332.59	2.91	2.84	.55	2322.90
24246.	9852.	13799.	595.	1499.	800.	99.	766.	128.	2317.80
.39	6.57	17.25	6.04	.065	.040	.065	.000	2314.90	9608.03
[illegible]8545	370.	370.	360.	20	14	0	.00	427.97	10036.00

*SECNO 38610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .68

38610.000	12.53	2336.23	.00	.00	2339.34	3.11	6.69	.06	2327.60
24246.	11735.	11619.	892.	1082.	679.	100.	793.	133.	2324.00
.40	10.85	17.11	8.94	.065	.060	.065	.000	2323.70	9805.67
.018429	520.	580.	570.	3	0	0	.00	266.65	10072.32

*SECNO 38710.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.44

38710.000	16.26	2342.56	.00	.00	2345.79	3.23	6.41	.04	2331.90
24246.	323.	16463.	7459.	61.	974.	1110.	816.	136.	2334.60
.41	5.32	16.90	6.72	.065	.045	.065	.000	2326.30	9959.80
.008842	530.	530.	470.	3	0	0	.00	291.50	10251.29

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 38790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

38790.000	10.75	2348.35	2348.35	.00	2351.67	3.32	3.64	.02	2341.70
24246.	805.	21308.	2134.	156.	1377.	426.	836.	139.	2341.40
.42	5.16	15.48	5.00	.065	.040	.065	.000	2337.60	9902.86
.008661	430.	422.	390.	20	14	0	.00	322.51	10225.37

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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2   100-YEAR FLOOD FREQUENCY MODEL
T3   CAVE CREEK (CC.DAT)     STA 35.49 - 38.79

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

    -10      4                                                    2148.47

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    3                -1
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 CNO    DEPTH    CWSEL    CRIWS    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  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 3



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
3720 CRITICAL DEPTH ASSUMED
         BEGINNING WSEL's ARE FROM SEC. 35490 (CAVECREE.OUT - HTA FIS)
         COMMON SECTION IS SEC. 35490 FROM CAVE CREEK (HTA)
         STREAMFLOW DATA IS FROM CVCRK33.OUT (HEC-1 ; CH2M HILL)
         ******HEC-1 REVISED 1-4-90******
         POC 27 (SEC.35.49 - 35.69), POC 26 (SEC.35.77 - 36.31)
         POC 25 (SEC.36.40 - 36.69), POC 24 (SEC.36.78 - 37.31)
         POC "B" (SEC.37.37 - 37.80), POC 10 (SEC.37.93 - 38.79)
35490.000    11.26  2149.06  2149.06  2148.47  2151.84     2.77      .00      .00  2143.10
   28338.     9693.   18236.     409.    1209.    1172.      61.       0.       0.   2141.20
      .00     8.02    15.56     6.69     .055     .045     .055     .000  2137.80  9675.76
  .011514     370.     370.     350.        0        7        0      .00   429.38 10105.15


 NO  35590.000

3301 HV CHANGED MORE THAN HVINS

35590.000    15.26  2154.36      .00      .00  2156.47     2.11     4.57      .07  2146.40
   28338.    10812.   17406.     120.    2001.    1222.      30.      34.       7.   2147.20
      .01     5.40    14.25     3.98     .060     .045     .060     .000  2139.10  9380.71
  .006781     520.     530.     550.        3        0        0      .00   659.13 10039.84


*SECNO  35690.000

3265 DIVIDED FLOW

35690.000    12.37  2158.07      .00      .00  2160.01     1.94     3.52      .02  2159.30
   28338.     2003.   16079.   10255.     513.    1200.    1308.      70.      13.   2148.80
      .03     3.90    13.40     7.84     .060     .045     .060     .000  2145.70  9590.59
  .007231     460.     530.     470.        3        0        0      .00   527.91 10233.15


*SECNO  35770.000

3301 HV CHANGED MORE THAN HVINS
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 CNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
 TIME   VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
 SLOPE  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED E7 & E8 CONC. PT.
35770.000    10.04  2162.84  2162.84     .00  2165.38     2.54     4.09      .18  2161.20
   28319.    2973.   19627.    5720.    641.    1343.     710.      99.      19.   2156.70
      .04     4.64    14.61     8.06    .065     .045     .065     .000  2152.80  9670.05
  .011748     450.     450.     450.       4       15        0      .00   544.44 10214.49


*SECNO  35870.000
35870.000    11.39  2168.49  2168.28     .00  2170.94     2.45     5.55      .01  2164.30
   28319.    2074.   20392.    5853.    514.    1434.     805.     132.      25.   2162.40
      .05     4.03    14.22     7.27    .065     .045     .065     .000  2157.10  9702.06
  .009504     520.     530.     520.       4        8        0      .00   561.81 10263.86


*SECNO  35960.000

3301 HV CHANGED MORE THAN HVINS

 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
35960.000    14.69  2173.99  2173.99     .00  2177.17     3.18     3.21      .22  2166.80
   28319.    4829.   23288.     202.   1252.    1485.      54.     162.      31.   2165.70
      .06     3.86    15.68     3.76    .065     .035     .065     .000  2159.30  9575.00
  .005095     450.     480.     450.      20       14        0      .00   492.17 10067.17


*SECNO  36060.000

3301 HV CHANGED MORE THAN HVINS

36060.000    16.93  2177.33      .00     .00  2179.69     2.36     2.44      .08  2167.20
   28319.    9195.   19083.      41.   2204.    1295.      19.     203.      37.   2169.50
      .07     4.17    14.74     2.19    .065     .035     .065     .000  2160.40  9502.08
  .003591     560.     580.     560.       3        0        0      .00   550.96 10053.04


*SECNO  36180.000

3301 HV CHANGED MORE THAN HVINS
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 SECNO    DEPTH    CWSEL    CRIWS    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  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36180.000    12.61  2182.11  2182.11     .00  2186.01     3.91     4.62      .46  2173.80
   28319.    1368.   26900.     52.    167.    1664.      11.     240.      43.   2178.70
      .08     8.18    16.17    4.63    .065     .060     .065     .000  2169.50  9903.66
  .023655     580.     630.    630.      20       19        0      .00   246.89 10150.55


*SECNO  36230.000

3301 HV CHANGED MORE THAN HVINS

36230.000    13.85  2188.25     .00     .00  2190.45     2.20     4.26      .17  2181.90
   28319.     410.   21662.   6246.     66.    1679.     795.     253.      45.   2179.30
      .09     6.20    12.90    7.86    .065     .060     .065     .000  2174.40  9949.41
  .012168     240.     260.    250.       2        0        0      .00   329.74 10279.14


SECNO  36310.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36310.000    14.96  2193.86  2193.86     .00  2198.16     4.30     4.92      .63  2184.40
   28319.    9118.   16942.   2259.    934.     848.     229.     274.      47.   2183.80
      .10     9.76    19.97    9.86    .065     .045     .065     .000  2178.90  9826.02
  .011874     350.     420.    430.       5        8        0      .00   231.88 10057.90


*SECNO  36400.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED E6 & E6A CONC. PT.
36400.000    13.47  2201.77     .00     .00  2203.63     1.86     5.23      .24  2194.00
   28271.     158.   26318.   1795.     34.    2341.     323.     301.      50.   2194.90
      .11     4.61    11.24    5.56    .065     .065     .065     .000  2188.30  9867.62
  .009797     510.     480.    490.       2        0        0      .00   321.51 10189.13
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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  36490.000

3301 HV CHANGED MORE THAN HVINS

36490.000    13.12  2207.02      .00      .00  2210.22     3.20     6.18      .40  2199.00
   28271.    3036.   22949.    2286.     302.    1518.     205.     326.      53.   2198.80
      .12    10.06    15.11    11.16     .065     .065     .065     .000  2193.90  9915.50
  .018997     420.     480.     330.        2        0        0      .00   231.32 10146.82


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36520.000    16.38  2210.88  2210.88      .00  2215.40     4.53     3.65      .40  2200.90
   28271.    3636.   19254.    5381.     292.    1032.     399.     333.      54.   2199.40
      .12    12.45    18.65    13.50     .065     .065     .065     .000  2194.50  9879.49
     4046     200.     160.     210.        3       11        0      .00   191.97 10071.46


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.81

36610.000    18.63  2219.23      .00      .00  2221.32     2.08     5.67      .24  2204.50
   28271.    4579.   16548.    7144.     505.    1292.     720.     356.      56.   2204.40
      .13     9.07    12.81     9.93     .065     .065     .065     .000  2200.60  9898.55
  .007326     400.     480.     470.        3        0        0      .00   202.65 10101.20


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    18.22  2222.12      .00      .00  2225.13     3.02     3.54      .28  2209.30
   28271.    1277.   19118.    7876.     160.    1239.     754.     376.      58.   2209.80
      .14     7.99    15.43    10.44     .065     .065     .065     .000  2203.90  9932.08
  .012012     380.     380.     390.        3        0        0      .00   201.97 10134.05
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  36780.000
        SUBWATERSHED E2 & E3 CONC. PT.
36780.000    18.04  2227.94      .00      .00  2230.65     2.71     5.49      .03  2215.40
   28381.     819.   23680.    3882.     110.    1709.     402.     400.      60.   2218.70
      .15     7.46    13.85     9.66     .065     .065     .065     .000  2209.90  9958.78
  .010723     470.     480.     500.        3        0        0      .00   188.36 10147.15


*SECNO  36880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36880.000    16.64  2238.14  2238.14      .00  2243.79     5.65     8.09      .88  2226.30
   28381.    6525.   20652.    1204.     435.    1005.     115.     424.      62.   2226.50
      .16    15.00    20.56    10.42     .065     .065     .065     .000  2221.50  9902.10
  .022899     550.     530.     560.       20       11        0      .00   141.18 10043.28


*SECNO  36960.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.48

36960.000    20.22  2246.22      .00      .00  2247.36     1.15     3.12      .45  2228.30
   28381.    2952.   19573.    5856.     421.    2066.    1016.     448.      64.   2230.70
      .17     7.01     9.47     5.76     .065     .065     .065     .000  2226.00  9903.01
  .003715     380.     420.     420.        3        0        0      .00   293.88 10196.89


*SECNO  37010.000
37010.000    18.39  2247.39      .00      .00  2248.65     1.26     1.25      .04  2235.50
   28381.    9011.   17875.    1495.    1246.    1772.     414.     470.      67.   2241.50
      .18     7.23    10.09     3.61     .065     .065     .065     .000  2229.00  9759.77
  .005843     320.     260.     260.        3        0        0      .00   456.36 10216.12


*SECNO  37080.000
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

37080.000    13.81  2249.61      .00      .00  2251.40     1.79     2.59      .16  2240.40
   28381.      913.   18774.    8694.     133.    1648.     911.     495.      70.   2239.20
      .19     6.88    11.39     9.54     .065     .065     .065     .000  2235.80  9902.19
  .008758     400.     370.     320.        2        0        0      .00   298.88 10201.07


*SECNO  37120.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .59

37120.000    17.23  2250.93  2250.81      .00  2254.80     3.88     2.77      .63  2247.20
   28381.       30.   17508.   10843.       7.    1005.     847.     506.      71.   2246.80
      .19     4.34    17.42    12.80     .065     .065     .065     .000  2233.70  9965.35
    5323     210.     210.     180.        4       11        0      .00   230.27 10195.63


*SECNO  37200.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.55

37200.000    15.90  2259.00      .00      .00  2261.13     2.12     6.15      .18  2248.90
   28381.     9171.   19145.      65.     1003.    1502.      17.     525.      73.   2251.60
      .20     9.15    12.75     3.72     .065     .065     .065     .000  2243.10  9831.32
  .010551     380.     420.     320.        3        0        0      .00   269.20 10100.52


*SECNO  37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000    15.99  2262.69      .00      .00  2264.07     1.38     2.87      .07  2254.40
   28381.    15242.   11487.    1652.    1709.    1088.     364.     545.      75.   2256.60
      .21     8.92    10.56     4.54     .065     .065     .065     .000  2246.70  9741.45
  .008016     240.     370.     350.        2        0        0      .00   426.23 10167.68
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO  37310.000

3301 HV CHANGED MORE THAN HVINS

37310.000    14.54  2264.14      .00      .00  2266.25     2.10     1.96      .22  2256.10
   28381.    6893.   19840.    1648.     736.    1561.     377.     559.     78.   2259.20
      .22     9.36    12.71     4.38     .065     .060     .065     .000  2249.60  9786.76
  .011394     200.     210.     220.        2        0        0      .00   463.54 10250.30


*SECNO  37370.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
37370.000    13.50  2267.20      .00      .00  2267.78      .58     1.38      .15  2261.20
   10979.      50.    9767.    1162.      35.    1515.     661.     577.     81.   2261.10
      .23     1.44     6.44     1.76     .065     .035     .065     .000  2253.70  9934.04
  .001076     320.     320.     340.        2        0        0      .00   387.40 10321.43


*SECNO  37470.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37470.000    10.10  2267.80  2267.80      .00  2269.62     1.81     1.05      .37  2262.30
   10979.      20.    8796.    2163.      10.     733.     781.     599.     86.   2266.10
      .25     2.11    12.00     2.77     .065     .035     .065     .000  2257.70  9966.34
  .005129     480.     530.     450.      20       19        0      .00   518.76 10485.10


*SECNO  37570.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
          QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME    VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


37570.000  11.42  2270.82  2270.82     .00  2273.14     2.33     3.14      .15  2272.70
   10979.     0.     9416.    1563.     0.     717.     414.     614.     90.   2269.20
     .26    .00    13.12     3.78   .000     .035     .065     .000  2259.40  9966.73
 .007128   520.     530.     490.      2        8        0      .00   288.12 10517.15


*SECNO  37660.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .65

37660.000   6.54  2276.54  2276.49     .00  2278.22     1.68     5.01      .06  2272.80
   10979.    37.     9319.    1624.     9.     849.     261.     627.     94.   2277.00
     .27   3.87    10.98     6.22   .065     .045     .065     .000  2270.00  9918.34
    5624    500.     480.     490.      6       11        0      .00   375.37 10391.86


*SECNO  37750.000

3265 DIVIDED FLOW

37750.000   7.73  2284.23      .00     .00  2285.70     1.47     7.46      .02  2281.80
   10979.    23.     9517.    1439.     8.     928.     274.     639.     98.   2280.90
     .29   3.02    10.25     5.25   .065     .045     .065     .000  2276.50  9953.42
 .014810   450.     480.     450.      4        0        0      .00   356.29 10348.63


*SECNO  37800.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37800.000   5.24  2287.94  2287.94     .00  2289.91     1.97     3.22      .15  2285.50
   10979.   226.    10750.       3.    85.     945.       2.     646.    100.   2287.30
     .29   2.66    11.37     1.09   .065     .035     .065     .000  2282.70  9847.49
 .010390   280.     260.     280.      3       14        0      .00   298.94 10146.43


*SECNO  37930.000
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED A7 CONC. PT. AND FLOW FROM UPPER BASIN.
37930.000    13.11  2296.81  2296.81      .00  2300.40     3.58     6.12      .48  2290.20
   27603.    4122.   22483.     998.     717.    1354.     170.     672.     105.   2289.00
      .31     5.75    16.60     5.87     .065     .040     .065     .000  2283.70  9768.73
  .008371     670.     690.     730.        2       20        0      .00   325.15 10093.88


*SECNO  38030.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000    11.89  2304.69  2304.69      .00  2308.04     3.36     4.45      .02  2297.80
   27603.     605.   24351.    2646.     116.    1566.     539.     699.     109.   2298.30
      .32     5.23    15.55     4.91     .065     .040     .065     .000  2292.80  9918.24
  .009475     520.     530.     520.       20       11        0      .00   393.21 10311.44


*SECNO  38140.000

3301 HV CHANGED MORE THAN HVINS

38140.000    16.78  2311.28      .00      .00  2312.71     1.42     4.47      .19  2301.60
   27603.    7808.   12493.    7303.     964.    1050.    1244.     735.     115.   2301.80
      .33     8.10    11.90     5.87     .065     .060     .065     .000  2294.50  9839.02
  .007090     590.     580.     560.        3        0        0      .00   483.44 10322.46


*SECNO  38250.000

3301 HV CHANGED MORE THAN HVINS

38250.000    10.91  2314.81      .00      .00  2317.34     2.53     4.30      .33  2303.90
   27603.     486.   22390.    4726.      81.    1612.     831.     768.     120.   2309.00
      .34     6.03    13.89     5.69     .065     .045     .065     .000  2303.90  9915.12
  .009681     470.     580.     390.        2        0        0      .00   448.78 10363.90
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 SECNO    DEPTH    CWSEL    CRIWS    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  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  38320.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38320.000    12.55  2318.65  2318.65      .00  2321.78     3.13     3.84      .18  2315.80
   27603.   10048.   16487.    1068.    1250.     960.     160.     789.     123.   2313.30
      .35     8.04    17.18     6.66     .065     .040     .065     .000  2306.10  9738.87
  .011075     360.     370.     400.        2        8        0      .00   362.69 10101.56


*SECNO  38430.000

3301 HV CHANGED MORE THAN HVINS

38430.000    11.03  2325.33      .00      .00  2326.49     1.16     4.51      .20  2320.40
   27603.   17577.    9973.      53.    2763.     854.      18.     824.     129.   2320.60
      .37     6.36    11.67     2.98     .065     .040     .065     .000  2314.30  9469.33
    5743     480.     580.     590.        2        0        0      .00   588.31 10057.64


*SECNO  38500.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38500.000    15.48  2330.38  2330.38      .00  2333.34     2.96     2.76      .54  2322.90
   27603.   11928.   14993.     682.    1738.     849.     111.     851.     133.   2317.80
      .38     6.86    17.66     6.17     .065     .040     .065     .000  2314.90  9606.31
  .008277     370.     370.     360.       20       11        0      .00   430.67 10036.98


*SECNO  38610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .65

38610.000    13.02  2336.72      .00      .00  2340.20     3.48     6.71      .16  2327.60
   27603.   13722.   12857.    1023.    1177.     709.     108.     880.     137.   2324.00
      .39    11.65    18.14     9.47     .065     .060     .065     .000  2323.70  9804.70
     591     520.     580.     570.        4        0        0      .00   268.29 10072.99
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  38710.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.50

38710.000    17.06  2343.36      .00      .00  2346.70     3.34     6.48      .01  2331.90
   27603.     388.   17991.    9224.      70.    1034.    1275.     906.     141.   2334.60
      .40     5.52    17.40     7.24     .065     .045     .065     .000  2326.30  9958.94
  .008652     530.     530.     470.        2        0        0      .00   294.15 10253.09


*SECNO  38790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38790.000    11.40  2349.00  2349.00      .00  2352.54     3.54     3.59      .06  2341.70
   27603.    1049.   23732.    2823.     186.    1471.     513.     927.     144.   2341.40
      .41     5.64    16.13     5.50     .065     .040     .065     .000  2337.60  9901.90
  .008617     430.     422.     390.       20       14        0      .00   326.02 10227.92
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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2   500-YEAR FLOOD FREQUENCY MODEL
T3   CAVE CREEK (CC.DAT)     STA 35.49 - 38.79

J1 ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

   -10      5                                                   2149.96

J2 NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

   15               -1
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
         BEGINNING WSEL's ARE FROM SEC. 35490 (CAVECREE.OUT - HTA FIS)
         COMMON SECTION IS SEC. 35490 FROM CAVE CREEK (HTA)
         STREAMFLOW DATA IS FROM CVCRK33.OUT (HEC-1 ; CH2M HILL)
         ******HEC-1 REVISED 1-4-90******
         POC 27 (SEC.35.49 - 35.69), POC 26 (SEC.35.77 - 36.31)
         POC 25 (SEC.36.40 - 36.69), POC 24 (SEC.36.78 - 37.31)
         POC "B" (SEC.37.37 - 37.80), POC 10 (SEC.37.93 - 38.79)
35490.000    12.16  2149.96  2149.96  2149.96  2153.01     3.05      .00      .00  2143.10
   34901.   13107.   21246.     547.    1476.    1285.      76.       0.       0.   2141.20
     .00     8.88    16.53     7.22     .055     .045     .055     .000  2137.80  9652.98
  .011484    370.     370.     350.        0        4        0      .00   453.93 10106.91


 )  35590.000

3301 HV CHANGED MORE THAN HVINS

35590.000    16.33  2155.43      .00      .00  2157.50     2.07     4.39      .10  2146.40
   34901.   15389.   19342.     169.    2597.    1329.      40.      41.       7.   2147.20
     .01     5.93    14.56     4.23     .060     .045     .060     .000  2139.10  9379.41
  .006326    520.     530.     550.        2        0        0      .00   661.71 10041.11


*SECNO  35690.000

3265 DIVIDED FLOW

35690.000    13.14  2158.84      .00      .00  2161.10     2.26     3.54      .06  2159.30
   34901.    3357.   18805.   12738.     731.    1286.    1449.      82.      14.   2148.80
     .03     4.59    14.62     8.79     .060     .045     .060     .000  2145.70  9581.70
  .007961    460.     530.     470.        3        0        0      .00   627.48 10233.66


*SECNO  35770.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
         SUBWATERSHED E7 & E8 CONC. PT.
35770.000    10.83  2163.63  2163.63      .00  2166.47     2.84     4.35      .17  2161.20
   34868.    4712.   23054.    7102.     848.    1470.     806.     117.      20.   2156.70
      .04     5.56    15.68     8.81     .065     .045     .065     .000  2152.80  9666.60
  .011994     450.     450.     450.        4       15        0      .00   548.85 10215.45


*SECNO  35870.000
35870.000    12.31  2169.41      .00      .00  2172.07     2.66     5.59      .02  2164.30
   34868.    3648.   23770.    7450.     760.    1575.     938.     155.      26.   2162.40
      .05     4.80    15.09     7.94     .065     .045     .065     .000  2157.10  9700.16
  .009449     520.     530.     520.        2        0        0      .00   565.96 10266.11


*SECNO  35960.000

3301 HV CHANGED MORE THAN HVINS

 20 TRIALS ATTEMPTED WSEL,CWSEL
 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
35960.000    15.71  2175.01  2175.01      .00  2178.51     3.49     3.25      .25  2166.80
   34868.    7432.   27142.     294.    1618.    1613.      68.     190.      32.   2165.70
      .06     4.59    16.82     4.34     .065     .035     .065     .000  2159.30  9571.99
  .005255     450.     480.     450.       20       11        0      .00   496.63 10068.63


*SECNO  36060.000

3301 HV CHANGED MORE THAN HVINS

36060.000    18.25  2178.65      .00      .00  2181.03     2.39     2.41      .11  2167.20
   34868.   13159.   21649.      60.    2832.    1414.      25.     239.      39.   2169.50
      .07     4.65    15.31     2.38     .065     .035     .065     .000  2160.40  9458.21
  .003443     560.     580.     560.        3        0        0      .00   595.63 10053.84


*SECNO  36180.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36180.000    13.80  2183.30  2183.30      .00  2187.71     4.41     4.42      .61  2173.80
   34868.     2188.   32567.     113.     232.    1887.      20.     284.      45.   2178.70
      .08     9.43    17.26     5.55     .065     .060     .065     .000  2169.50  9901.65
  .022785     580.     630.     630.       20       19        0      .00   251.19 10152.85


*SECNO  36230.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.41

36230.000    15.16  2189.56      .00      .00  2191.95     2.39     4.04      .20  2181.90
   34868.     639.   25582.    8646.      94.    1891.     992.     299.      47.   2179.30
      .09     6.79    13.53     8.72     .065     .060     .065     .000  2174.40  9945.86
  .011422     240.     260.     250.        2        0        0      .00   335.93 10281.79


*SECNO  36310.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36310.000    16.31  2195.21  2195.21      .00  2200.02     4.82     4.79      .73  2184.40
   34868.   12041.   19924.    2903.    1124.     932.     272.     324.      49.   2183.80
      .09    10.71    21.38    10.68     .065     .045     .065     .000  2178.90  9822.01
  .012009     350.     420.     430.       20        8        0      .00   237.78 10059.78


*SECNO  36400.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED E6 & E6A CONC. PT.
36400.000    15.04  2203.34      .00      .00  2205.35     2.00     5.04      .28  2194.00
   34802.     247.   31414.    3141.      49.    2667.     505.     355.      53.   2194.90
      .11     5.01    11.78     6.22     .065     .065     .065     .000  2188.30  9865.85
  .009035     510.     480.     490.        3        0        0      .00   347.23 10213.08
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[illegible]CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 36490.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .67

36490.000	14.16	2208.06	.00	.00	2211.92	3.85	6.02	.56	2199.00
34802.	4147.	27688.	2966.	361.	1667.	240.	384.	55.	2198.80
.11	11.48	16.61	12.36	.065	.065	.065	.000	2193.90	9913.89
.020251	420.	480.	330.	2	0	0	.00	234.74	10148.63

*SECNO 36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

[illegible].000	17.78	2212.28	2212.28	.00	2217.35	5.07	3.76	.37	2200.90
[illegible]4802.	4908.	22773.	7121.	363.	1150.	484.	392.	56.	2199.40
.12	13.53	19.81	14.71	.065	.065	.065	.000	2194.50	9875.66
.023491	200.	160.	210.	4	11	0	.00	198.25	10073.91

*SECNO 36610.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.76

36610.000	20.32	2220.92	.00	.00	2223.36	2.43	5.74	.26	2204.50
34802.	5955.	19712.	9135.	604.	1420.	841.	418.	58.	2204.40
.13	9.85	13.88	10.86	.065	.065	.065	.000	2200.60	9893.86
.007586	400.	480.	470.	3	0	0	.00	210.83	10104.69

*SECNO 36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000	19.95	2223.85	.00	.00	2227.18	3.34	3.56	.27	2209.30
34802.	1760.	22453.	10589.	206.	1378.	925.	442.	60.	2209.80
.13	8.56	16.29	11.44	.065	.065	.065	.000	2203.90	9928.71
[illegible]629	380.	380.	390.	3	0	0	.00	209.22	10137.93

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  36780.000
        SUBWATERSHED E2 & E3 CONC. PT.
36780.000    19.61  2229.51      .00      .00  2232.68     3.17     5.48      .02  2215.40
   34909.    1179.   28469.    5262.     139.    1892.     490.     470.      63.   2218.70
      .14     8.48    15.04    10.75     .065     .065     .065     .000  2209.90  9956.58
  .011038     470.     480.     500.        3        0        0      .00   194.32 10150.90


*SECNO  36880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36880.000    18.43  2239.93  2239.93      .00  2246.23     6.30     8.13      .94  2226.30
   34909.    8591.   24588.    1730.     533.    1127.     154.     496.      65.   2226.50
      .15    16.13    21.82    11.23     .065     .065     .065     .000  2221.50  9898.40
  .022124     550.     530.     560.       20       11        0      .00   147.97 10046.37


*SECNO  36960.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.54

36960.000    22.43  2248.43      .00      .00  2249.64     1.21     2.91      .51  2228.30
   34909.    3726.   22813.    8370.     515.    2323.    1325.     525.      67.   2230.70
      .16     7.23     9.82     6.31     .065     .065     .065     .000  2226.00  9899.17
  .003417     380.     420.     420.        2        0        0      .00   303.01 10202.18


*SECNO  37010.000
37010.000    20.60  2249.60      .00      .00  2250.71     1.11     1.06      .01  2235.50
   34909.   11738.   19782.    3389.    1658.    2050.     767.     552.      69.   2241.50
      .17     7.08     9.65     4.42     .065     .065     .065     .000  2229.00  9742.73
  .004399     320.     260.     260.        3        0        0      .00   481.25 10223.98


*SECNO  37080.000
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:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

37080.000	15.36	2251.16	.00	.00	2253.13	1.97	2.16	.26	2240.40
34909.	1453.	22375.	11081.	230.	1855.	1102.	584.	73.	2239.20
.18	6.33	12.06	10.05	.065	.065	.065	.000	2235.80	9869.59
.008394	400.	370.	320.	2	0	0	.00	340.30	10209.89

*SECNO 37120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .58

37120.000	18.45	2252.15	2251.96	.00	2256.52	4.37	2.67	.72	2247.20
34909.	65.	20612.	14233.	12.	1117.	1014.	596.	74.	2246.80
.19	5.38	18.44	14.04	.065	.065	.065	.000	2233.70	9963.81
4660	210.	210.	180.	4	11	0	.00	233.99	10197.79

*SECNO 37200.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.52

37200.000	17.25	2260.35	.00	.00	2262.79	2.43	6.08	.19	2248.90
34909.	12105.	22702.	102.	1203.	1660.	24.	619.	76.	2251.60
.19	10.06	13.68	4.17	.065	.065	.065	.000	2243.10	9829.55
.010624	380.	420.	320.	3	0	0	.00	271.83	10101.38

*SECNO 37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000	17.45	2264.15	.00	.00	2265.60	1.45	2.71	.10	2254.40
34909.	18613.	13244.	3052.	2000.	1222.	585.	642.	79.	2256.60
.20	9.31	10.84	5.21	.065	.065	.065	.000	2246.70	9737.54
.007246	240.	370.	350.	2	0	0	.00	444.59	10182.13

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO  37310.000

3301 HV CHANGED MORE THAN HVINS

37310.000    15.84  2265.44      .00      .00  2267.59     2.14     1.78      .21  2256.10
   34909.     8498.   22888.    3523.     866.    1751.     685.     659.      81.   2259.20
      .21     9.81    13.07     5.14     .065     .060     .065     .000  2249.60  9784.55
  .010331     200.     210.     220.        2        0        0      .00   495.45 10280.00


*SECNO  37370.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
37370.000    14.73  2268.43      .00      .00  2269.01      .59     1.27      .16  2261.20
   13168.       79.   11227.    1862.      51.    1699.     975.     682.      85.   2261.10
      .22     1.55     6.61     1.91     .065     .035     .065     .000  2253.70  9931.66
  .000971     320.     320.     340.        2        0        0      .00   456.21 10387.86


*SECNO  37470.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .46

37470.000    10.89  2268.59      .00      .00  2270.27     1.68      .93      .33  2262.30
   13168.       27.    9679.    3462.      12.     806.    1121.     708.      90.   2266.10
      .24     2.17    12.01     3.09     .065     .035     .065     .000  2257.70  9965.84
  .004531     480.     530.     450.        4        0        0      .00   534.84 10500.68


*SECNO  37570.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
          QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME    VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


37570.000   12.28  2271.68  2271.68     .00  2273.98     2.30     2.80      .19  2272.70
   13168.      0.   10731.    2437.      0.     803.     616.     728.      95.   2269.20
      .25     .00    13.36     3.96    .000     .035     .065     .000  2259.40  9965.44
  .006490    520.     530.     490.       4        8        0      .00   410.30 10543.25


*SECNO  37660.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37660.000    7.10  2277.10  2277.10     .00  2278.84     1.74     4.58      .06  2272.80
   13168.     51.   10923.    2194.     13.     963.     390.     743.     100.   2277.00
      .26    4.06    11.35     5.63    .065     .045     .065     .000  2270.00  9917.58
  .015227    500.     480.     490.       5       11        0      .00   475.20 10392.78


*SECNO  37750.000

 DIVIDED FLOW

37750.000    8.05  2284.55  2284.47     .00  2286.31     1.77     7.47      .01  2281.80
   13168.     33.   11302.    1833.     10.    1002.     318.     758.     105.   2280.90
      .28    3.43    11.28     5.76    .065     .045     .065     .000  2276.50  9952.59
  .016211    450.     480.     450.       6        8        0      .00   383.44 10352.97


*SECNO  37800.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37800.000    5.79  2288.49  2288.49     .00  2290.65     2.16     3.25      .12  2285.50
   13168.    377.   12777.      14.    128.    1067.       9.     765.     107.   2287.30
      .28    2.96    11.97     1.60    .065     .035     .065     .000  2282.70  9831.78
  .009792    280.     260.     280.       2       19        0      .00   321.31 10153.09


*SECNO  37930.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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      SUBWATERSHED A7 CONC. PT. AND FLOW FROM UPPER BASIN.
37930.000    14.28  2297.98  2297.98     .00  2301.91     3.93     5.96      .53  2290.20
   33871.    5968.   26465.    1438.    905.    1500.     220.     796.     112.   2289.00
      .30     6.59    17.65     6.53    .065     .040     .065     .000  2283.70  9766.66
  .008259     670.     690.     730.       2       17        0      .00   331.85 10098.52


*SECNO  38030.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000    13.08  2305.88  2305.88     .00  2309.43     3.56     4.29      .04  2297.80
   33871.     915.   28634.    4321.    163.    1758.     800.     828.     117.   2298.30
      .31     5.61    16.29     5.40    .065     .040     .065     .000  2292.80  9910.91
  .007977     520.     530.     520.      20       11        0      .00   448.97 10359.88


*SECNO  38140.000

3301 HV CHANGED MORE THAN HVINS

38140.000    17.92  2312.42      .00     .00  2313.95     1.53     4.32      .20  2301.60
   33871.    9532.   14128.   10211.   1095.    1134.    1586.     871.     123.   2301.80
      .32     8.71    12.46     6.44    .065     .060     .065     .000  2294.50  9837.53
  .007020     590.     580.     560.       3        0        0      .00   497.96 10335.49


*SECNO  38250.000

3301 HV CHANGED MORE THAN HVINS

38250.000    11.85  2315.75      .00     .00  2318.55     2.80     4.22      .38  2303.90
   33871.     605.   26437.    6828.     95.    1782.    1083.     909.     128.   2309.00
      .33     6.36    14.83     6.30    .065     .045     .065     .000  2303.90  9913.85
  .009657     470.     580.     390.       2        0        0      .00   483.11 10396.96


*SECNO  38320.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38320.000    13.50  2319.60  2319.60     .00  2323.15     3.55     3.87      .22  2315.80
   33871.   12915.   19497.    1459.   1463.    1056.     196.     933.     132.   2313.30
      .34     8.83    18.47     7.44    .065     .040     .065     .000  2306.10  9737.06
  .011265     360.     370.     400.       2        8        0      .00   366.48 10103.54
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO  38430.000

3301 HV CHANGED MORE THAN HVINS

38430.000    12.11  2326.41      .00      .00  2327.67     1.26     4.29      .23  2320.40
   33871.   21895.   11888.      88.    3271.     977.      27.     974.     137.   2320.60
      .36     6.69    12.17     3.26     .065     .040     .065     .000  2314.30  9467.23
  .006126     480.     580.     590.        2        0        0      .00   592.14 10059.36


*SECNO  38500.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38500.000    16.40  2331.30  2331.30      .00  2334.62     3.32     2.68      .62  2322.90
   33871.   15635.   17390.     846.    2055.     913.     127.    1006.     142.   2317.80
      .37     7.61    19.04     6.65     .065     .040     .065     .000  2314.90  9604.05
  .008729     370.     370.     360.       20       11        0      .00   434.21 10038.26


*SECNO  38610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .66

38610.000    14.11  2337.81      .00      .00  2341.74     3.93     6.94      .18  2327.60
   33871.   17666.   14926.    1279.    1387.     772.     127.    1039.     146.   2324.00
      .38    12.74    19.33    10.06     .065     .060     .065     .000  2323.70  9802.59
  .019817     520.     580.     570.        3        0        0      .00   271.83 10074.43


*SECNO  38710.000

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.51

38710.000    18.33  2344.63      .00      .00  2348.27     3.64     6.50      .03  2331.90
   33871.     513.   20846.   12512.      87.    1129.    1539.    1069.     149.   2334.60
      .38     5.93    18.46     8.13     .065     .045     .065     .000  2326.30  9957.58
  .008656     530.     530.     470.        2        0        0      .00   298.34 10255.93
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:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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*SECNO  38790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38790.000    12.49  2350.09  2350.09      .00  2354.05     3.97     3.59      .10  2341.70
   33871.    1527.   28158.    4186.     237.    1628.     661.    1093.     152.   2341.40
      .39     6.43    17.29     6.33     .065     .040     .065     .000  2337.60  9900.29
  .008649     430.     422.     390.       20       19        0      .00   331.89 10232.18
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THIS RUN EXECUTED 2/26/90 15:35:44

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

CAVE CREEK (CC.DAT)

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	35490.000	2147.34	16890.00	9.54	5.93	12.97	5.43	4326.83	12361.04	202.13	411.18	105.51	.00
*	35490.000	2148.56	24831.00	10.76	7.46	14.94	6.38	7948.72	16540.89	341.39	420.30	114.42	.00
*	35490.000	2149.06	28338.00	11.26	8.02	15.56	6.69	9693.03	18235.63	409.34	429.38	115.14	.00
	490.000	2149.96	34901.00	12.16	8.88	16.53	7.22	13107.25	21246.30	547.45	453.93	114.84	.00
*	35590.000	2152.09	16890.00	12.99	4.20	13.16	3.27	3735.62	13108.28	46.10	506.94	75.97	4.76
	35590.000	2153.72	24831.00	14.62	5.12	14.08	3.83	8432.63	16302.36	96.01	657.60	71.16	5.16
	35590.000	2154.36	28338.00	15.26	5.40	14.25	3.98	10811.88	17405.64	120.48	659.13	67.81	5.30
	35590.000	2155.43	34901.00	16.33	5.93	14.56	4.23	15389.34	19342.46	169.20	661.71	63.26	5.47
	35690.000	2156.33	16890.00	10.63	1.92	10.72	5.80	328.41	10814.24	5747.35	466.14	56.41	4.24
	35690.000	2157.66	24831.00	11.96	3.38	12.53	7.22	1446.45	14474.26	8910.29	500.67	65.93	3.94
	35690.000	2158.07	28338.00	12.37	3.90	13.40	7.84	2003.39	16079.33	10255.28	527.91	72.31	3.70
	35690.000	2158.84	34901.00	13.14	4.59	14.62	8.79	3357.45	18805.13	12738.42	627.48	79.61	3.40
*	35770.000	2160.96	16888.00	8.16	2.54	12.77	6.60	431.43	13279.82	3176.75	477.55	125.51	4.63
*	35770.000	2162.37	24817.00	9.57	4.07	14.01	7.63	2106.34	17740.60	4970.07	541.78	116.77	4.70
*	35770.000	2162.84	28319.00	10.04	4.64	14.61	8.06	2972.78	19626.61	5719.61	544.44	117.48	4.77
*	35770.000	2163.63	34868.00	10.83	5.56	15.68	8.81	4712.13	23054.34	7101.53	548.85	119.94	4.79
	35870.000	2166.72	16888.00	9.62	2.57	11.57	5.48	406.69	13443.40	3037.90	438.57	83.31	5.76
	35870.000	2167.97	24817.00	10.87	3.65	13.61	6.82	1404.66	18429.00	4983.34	514.77	93.99	5.61
	35870.000	2168.49	28319.00	11.39	4.03	14.22	7.27	2073.76	20391.87	5853.37	561.81	95.04	5.65
	35870.000	2169.41	34868.00	12.31	4.80	15.09	7.94	3648.06	23769.54	7450.41	565.96	94.49	5.78
*	35960.000	2171.43	16888.00	12.13	2.11	13.77	3.03	747.63	16062.69	77.68	472.23	54.25	4.71
*	35960.000	2173.44	24817.00	14.14	3.40	14.85	3.51	3601.78	21050.81	164.41	489.71	48.67	5.47
*	35960.000	2173.99	28319.00	14.69	3.86	15.68	3.76	4828.73	23288.48	201.79	492.17	50.95	5.49
*	35960.000	2175.01	34868.00	15.71	4.59	16.82	4.34	7431.88	27142.08	294.04	496.63	52.55	5.60
	36060.000	2174.68	16888.00	14.28	2.98	13.04	1.69	3114.54	13759.70	13.75	513.78	36.97	3.25
	36060.000	2176.48	24817.00	16.08	3.88	14.53	2.09	7084.03	17702.14	30.84	539.07	37.88	3.04
	36060.000	2177.33	28319.00	16.93	4.17	14.74	2.19	9195.32	19082.95	40.73	550.96	35.91	3.34
	36060.000	2178.65	34868.00	18.25	4.65	15.31	2.38	13158.75	21648.86	60.39	595.63	34.43	3.63

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	36180.000	2179.50	16888.00	10.00	7.48	14.10	1.93	309.81	16577.01	1.18	209.49	285.82	4.82
*	36180.000	2181.41	24817.00	11.91	7.48	15.53	4.03	974.52	23813.98	28.50	244.38	243.21	4.93
*	36180.000	2182.11	28319.00	12.61	8.18	16.17	4.63	1367.77	26899.53	51.70	246.89	236.55	4.78
*	36180.000	2183.30	34868.00	13.80	9.43	17.26	5.55	2188.39	32566.51	113.10	251.19	227.85	4.66
*	36230.000	2185.79	16888.00	11.39	4.39	11.19	5.64	113.96	14328.25	2445.78	318.07	131.48	6.29
	36230.000	2187.52	24817.00	13.12	5.79	12.50	7.30	304.03	19502.17	5010.81	326.27	125.89	6.10
	36230.000	2188.25	28319.00	13.85	6.20	12.90	7.86	410.17	21662.43	6246.41	329.74	121.68	6.14
*	36230.000	2189.56	34868.00	15.16	6.79	13.53	8.72	639.49	25582.11	8646.40	335.93	114.22	6.26
*	36310.000	2190.94	16888.00	12.04	7.69	17.08	8.01	4337.66	11388.32	1162.02	199.95	119.69	5.15
*	36310.000	2193.04	24817.00	14.14	9.23	19.19	9.39	7594.00	15305.87	1917.13	224.47	119.17	5.52
*	36310.000	2193.86	28319.00	14.96	9.76	19.97	9.86	9118.10	16941.57	2259.34	231.88	118.74	5.61
*	36310.000	2195.21	34868.00	16.31	10.71	21.38	10.68	12040.91	19923.64	2903.45	237.78	120.09	5.65
	36400.000	2198.68	16870.00	10.38	3.54	9.74	3.98	43.63	16483.21	343.16	262.74	113.38	7.74
	36400.000	2200.90	24778.00	12.60	4.35	10.86	5.22	116.68	23418.81	1242.51	304.77	102.04	7.86
	36400.000	2201.77	28271.00	13.47	4.61	11.24	5.56	157.72	26318.30	1794.98	321.51	97.97	7.91
	36400.000	2203.34	34802.00	15.04	5.01	11.78	6.22	246.67	31414.19	3141.14	347.23	90.35	8.14
	36490.000	2204.71	16870.00	10.81	7.06	12.18	8.66	1241.78	14470.21	1158.01	223.74	170.98	6.02
	36490.000	2206.38	24778.00	12.48	9.23	14.27	10.47	2460.77	20386.48	1930.75	229.25	183.90	5.48
	36490.000	2207.02	28271.00	13.12	10.06	15.11	11.16	3036.19	22948.91	2285.90	231.32	189.97	5.24
	36490.000	2208.06	34802.00	14.16	11.48	16.61	12.36	4147.49	27688.47	2966.04	234.74	202.51	4.72
*	36520.000	2208.00	16870.00	13.50	9.78	16.05	10.92	1602.68	12705.29	2562.02	177.09	253.48	3.30
*	36520.000	2210.08	24778.00	15.58	11.75	17.93	12.75	2987.92	17310.05	4480.02	188.39	242.93	3.70
*	36520.000	2210.88	28271.00	16.38	12.45	18.65	13.50	3635.62	19253.95	5381.43	191.97	240.46	3.86
*	36520.000	2212.28	34802.00	17.78	13.53	19.81	14.71	4907.75	22773.35	7120.90	198.25	234.91	4.22
*	36610.000	2215.70	16870.00	15.10	7.30	10.47	7.83	2350.35	10725.41	3794.24	185.54	66.81	7.69
*	36610.000	2218.24	24778.00	17.64	8.60	12.17	9.37	3869.68	14811.23	6097.08	197.85	71.69	8.16
*	36610.000	2219.23	28271.00	18.63	9.07	12.81	9.93	4579.26	16547.51	7144.23	202.65	73.26	8.36
*	36610.000	2220.92	34802.00	20.32	9.85	13.88	10.86	5955.02	19712.22	9134.76	210.83	75.86	8.65
	36690.000	2218.49	16870.00	14.59	6.74	13.59	8.19	553.40	12880.99	3435.60	185.89	133.30	2.79
	36690.000	2221.10	24778.00	17.20	7.65	14.91	9.84	1036.75	17268.12	6473.14	197.48	122.88	2.86
	36690.000	2222.12	28271.00	18.22	7.99	15.43	10.44	1276.69	19118.06	7876.25	201.97	120.12	2.88
	36690.000	2223.85	34802.00	19.95	8.56	16.29	11.44	1760.39	22452.93	10588.68	209.22	116.29	2.92
	36780.000	2224.67	16966.00	14.77	5.52	11.26	7.08	331.20	14945.92	1688.87	175.96	99.27	6.19
	36780.000	2227.02	24890.00	17.12	6.79	13.15	8.99	640.68	21072.31	3177.01	184.88	105.41	5.92
	36780.000	2227.94	28381.00	18.04	7.46	13.85	9.66	819.36	23679.64	3882.00	188.36	107.23	5.82
	36780.000	2229.51	34909.00	19.61	8.48	15.04	10.75	1178.60	28468.77	5261.62	194.32	110.38	5.66
*	36880.000	2234.52	16966.00	13.02	12.17	17.67	8.53	3137.03	13364.49	464.47	127.41	246.83	9.85
*	36880.000	2237.12	24890.00	15.62	14.27	19.78	9.92	5454.72	18483.60	951.68	137.28	233.52	10.10
*	36880.000	2238.14	28381.00	16.64	15.00	20.56	10.42	6525.33	20651.90	1203.77	141.18	228.99	10.20
*	36880.000	2239.93	34909.00	18.43	16.13	21.82	11.23	8590.84	24588.48	1729.68	147.97	221.24	10.42

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	36960.000	2241.77	16966.00	15.77	6.36	8.58	4.65	1634.45	13309.06	2022.49	272.66	44.71	7.25
*	36960.000	2244.95	24890.00	18.95	6.87	9.26	5.42	2545.78	17767.13	4577.09	288.65	39.16	7.83
*	36960.000	2246.22	28381.00	20.22	7.01	9.47	5.76	2951.85	19572.75	5856.40	293.88	37.15	8.07
*	36960.000	2248.43	34909.00	22.43	7.23	9.82	6.31	3726.21	22812.55	8370.25	303.01	34.17	8.50
*	37010.000	2243.19	16966.00	14.19	6.72	10.35	2.02	4054.67	12884.76	26.57	270.25	98.61	1.42
	37010.000	2246.16	24890.00	17.16	7.25	10.30	3.01	7528.52	16663.50	697.98	430.97	68.74	1.21
	37010.000	2247.39	28381.00	18.39	7.23	10.09	3.61	9011.05	17875.33	1494.63	456.36	58.43	1.17
	37010.000	2249.60	34909.00	20.60	7.08	9.65	4.42	11738.38	19782.00	3388.62	481.25	43.99	1.17
	37080.000	2246.75	16966.00	10.95	5.91	9.32	7.87	402.96	11789.18	4773.86	241.14	83.56	3.56
	37080.000	2248.79	24890.00	12.99	7.05	10.86	9.15	727.41	16701.93	7460.66	272.03	87.28	2.63
	37080.000	2249.61	28381.00	13.81	6.88	11.39	9.54	912.61	18774.18	8694.21	298.88	87.58	2.23
	37080.000	2251.16	34909.00	15.36	6.33	12.06	10.05	1453.13	22375.32	11080.56	340.30	83.94	1.56
*	37120.000	2248.47	16966.00	14.77	2.17	15.03	10.03	1.72	11729.71	5234.57	222.26	264.35	1.73
*	37120.000	2250.20	24890.00	16.50	3.81	16.86	12.07	16.78	15823.47	9049.75	228.28	259.84	1.41
*	37120.000	2250.93	28381.00	17.23	4.34	17.42	12.80	29.52	17508.45	10843.03	230.27	253.23	1.31
*	37120.000	2252.15	34909.00	18.45	5.38	18.44	14.04	64.86	20611.55	14232.58	233.99	246.60	.99
*	37200.000	2256.21	16966.00	13.11	7.39	10.67	2.67	4406.49	12541.39	18.12	263.76	102.58	-7.74
*	37200.000	2258.24	24890.00	15.14	8.61	12.17	3.44	7658.27	17183.52	48.22	267.70	104.42	8.04
*	37200.000	2259.00	28381.00	15.90	9.15	12.75	3.72	9171.02	19145.08	64.90	269.20	105.51	8.08
	37200.000	2260.35	34909.00	17.25	10.06	13.68	4.17	12104.72	22702.44	101.83	271.83	106.24	8.20
	37270.000	2259.79	16966.00	13.09	7.70	9.56	2.95	8874.65	7887.26	204.09	342.22	95.13	3.57
	37270.000	2261.87	24890.00	15.17	8.63	10.34	4.12	13360.37	10471.35	1058.28	402.05	84.60	3.62
	37270.000	2262.69	28381.00	15.99	8.92	10.56	4.54	15242.20	11487.19	1651.61	426.23	80.16	3.68
	37270.000	2264.15	34909.00	17.45	9.31	10.84	5.21	18612.98	13244.16	3051.86	444.59	72.46	3.80
	37310.000	2261.65	16966.00	12.05	7.56	10.90	2.86	3736.85	13029.43	199.72	297.93	119.52	1.86
	37310.000	2263.44	24890.00	13.84	8.95	12.31	4.13	5964.69	17938.49	986.82	406.26	117.16	1.57
	37310.000	2264.14	28381.00	14.54	9.36	12.71	4.38	6892.67	19840.15	1648.18	463.54	113.94	1.46
	37310.000	2265.44	34909.00	15.84	9.81	13.07	5.14	8497.53	22888.11	3523.35	495.45	103.31	1.29
	37370.000	2264.43	7105.00	10.73	1.14	6.23	1.26	11.56	6850.24	243.20	272.37	15.45	2.78
	37370.000	2266.45	9819.00	12.75	1.38	6.38	1.65	36.85	8950.82	831.33	354.72	11.69	3.02
	37370.000	2267.20	10979.00	13.50	1.44	6.44	1.76	50.47	9766.98	1161.55	387.40	10.76	3.06
	37370.000	2268.43	13168.00	14.73	1.55	6.61	1.91	78.69	11227.43	1861.88	456.21	9.71	2.98
*	37470.000	2265.60	7105.00	7.90	1.95	12.72	3.13	6.69	6751.42	346.89	181.25	86.60	1.17
*	37470.000	2267.47	9819.00	9.77	2.02	11.62	2.55	16.99	8163.35	1638.66	512.03	50.89	1.02
*	37470.000	2267.80	10979.00	10.10	2.11	12.00	2.77	20.12	8796.14	2162.74	518.76	51.29	.60
*	37470.000	2268.59	13168.00	10.89	2.17	12.01	3.09	27.03	9678.76	3462.21	534.84	45.31	.16
	37570.000	2270.00	7105.00	10.60	.00	9.99	2.69	.00	6367.41	737.59	253.65	47.50	4.40
*	37570.000	2270.36	9819.00	10.96	.00	12.85	3.56	.00	8635.02	1183.98	265.78	73.72	2.88
*	37570.000	2270.82	10979.00	11.42	.00	13.12	3.78	.00	9415.55	1563.45	288.12	71.28	3.01
*	37570.000	2271.68	13168.00	12.28	.00	13.36	3.96	.00	10730.51	2437.49	410.30	64.90	3.09

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	37660.000	2275.32	7105.00	5.32	3.38	10.17	6.42	14.51	6151.14	939.35	271.97	215.09	5.32
*	37660.000	2276.26	9819.00	6.26	3.69	10.59	6.22	29.96	8393.69	1395.35	307.84	167.80	5.91
*	37660.000	2276.54	10979.00	6.54	3.87	10.98	6.22	36.61	9318.69	1623.69	375.37	166.24	5.72
*	37660.000	2277.10	13168.00	7.10	4.06	11.35	5.63	50.82	10923.19	2193.99	475.20	152.27	5.42
	37750.000	2283.50	7105.00	7.00	2.18	8.22	4.23	8.04	6280.68	816.28	332.16	123.49	8.18
	37750.000	2283.98	9819.00	7.48	2.81	9.82	5.04	17.02	8567.76	1234.22	347.17	147.47	7.72
	37750.000	2284.23	10979.00	7.73	3.02	10.25	5.25	22.65	9517.11	1439.24	356.29	148.10	7.69
	37750.000	2284.55	13168.00	8.05	3.43	11.28	5.76	33.08	11301.77	1833.15	383.44	162.11	7.45
*	37800.000	2286.83	7105.00	4.13	1.89	10.08	.00	47.43	7057.57	.00	253.92	117.77	3.33
*	37800.000	2287.63	9819.00	4.93	2.48	11.03	.71	159.86	9658.68	.46	286.27	108.04	3.65
*	37800.000	2287.94	10979.00	5.24	2.66	11.37	1.09	225.81	10750.50	2.69	298.94	103.90	3.71
*	37800.000	2288.49	13168.00	5.79	2.96	11.97	1.60	377.17	12777.15	13.68	321.31	97.92	3.94
*	37930.000	2294.50	16613.00	10.80	3.74	14.03	4.03	1309.77	14954.96	348.26	311.85	82.20	7.67
*	37930.000	2296.17	24246.00	12.47	5.21	15.89	5.42	3205.73	20255.37	784.90	321.48	83.16	8.55
*	37930.000	2296.81	27603.00	13.11	5.75	16.60	5.87	4121.56	22483.37	998.07	325.15	83.71	8.87
*	37930.000	2297.98	33871.00	14.28	6.59	17.65	6.53	5967.67	26464.93	1438.40	331.85	82.59	9.49
*	38030.000	2302.06	16613.00	9.26	3.96	13.88	3.75	165.37	15878.96	568.67	275.88	102.62	7.57
*	38030.000	2303.98	24246.00	11.18	4.97	15.08	4.61	455.59	21902.28	1888.13	363.47	88.08	7.81
*	38030.000	2304.69	27603.00	11.89	5.23	15.55	4.91	605.36	24351.24	2646.40	393.21	84.75	7.87
	030.000	2305.88	33871.00	13.08	5.61	16.29	5.40	915.35	28634.44	4321.22	448.97	79.77	7.89
	38140.000	2308.83	16613.00	14.33	6.62	10.55	4.82	4541.71	9163.79	2907.51	390.94	71.78	6.77
	38140.000	2310.60	24246.00	16.10	7.74	11.58	5.56	6854.97	11574.02	5817.02	474.71	71.71	6.62
	38140.000	2311.28	27603.00	16.78	8.10	11.90	5.87	7807.73	12492.60	7302.67	483.44	70.90	6.60
	38140.000	2312.42	33871.00	17.92	8.71	12.46	6.44	9532.00	14127.96	10211.04	497.96	70.20	6.54
	38250.000	2312.80	16613.00	8.90	5.29	11.75	4.24	283.62	14640.69	1688.68	371.81	97.68	3.97
	38250.000	2314.27	24246.00	10.37	5.82	13.29	5.32	423.51	20103.56	3718.93	427.95	96.43	3.67
	38250.000	2314.81	27603.00	10.91	6.03	13.89	5.69	486.48	22390.03	4726.50	448.78	96.81	3.53
	38250.000	2315.75	33871.00	11.85	6.36	14.83	6.30	605.24	26437.46	6828.30	483.11	96.57	3.33
*	38320.000	2316.59	16613.00	10.49	6.53	14.68	4.88	5169.28	11009.83	433.89	354.42	112.40	3.79
*	38320.000	2318.01	24246.00	11.91	7.67	16.66	6.24	8488.59	14901.34	856.06	360.12	114.38	3.75
*	38320.000	2318.65	27603.00	12.55	8.04	17.18	6.66	10047.88	16486.98	1068.14	362.69	110.75	3.84
*	38320.000	2319.60	33871.00	13.50	8.83	18.47	7.44	12915.35	19496.89	1458.76	366.48	112.65	3.85
	38430.000	2323.29	16613.00	8.99	5.56	10.39	2.25	10114.42	6485.57	13.01	581.13	81.20	6.70
	38430.000	2324.77	24246.00	10.47	6.11	11.27	2.79	15291.23	8916.17	38.61	586.35	69.59	6.76
	38430.000	2325.33	27603.00	11.03	6.36	11.67	2.98	17577.30	9972.63	53.07	588.31	67.43	6.67
	38430.000	2326.41	33871.00	12.11	6.69	12.17	3.26	21895.43	11887.86	87.71	592.14	61.26	6.81
*	38500.000	2328.01	16613.00	13.11	5.77	15.55	5.47	5581.33	10633.23	398.44	368.82	85.68	4.72
*	38500.000	2329.68	24246.00	14.78	6.57	17.25	6.04	9851.57	13799.19	595.25	427.97	85.45	4.91
*	38500.000	2330.38	27603.00	15.48	6.86	17.66	6.17	11927.69	14992.87	682.45	430.67	82.77	5.05
*	38500.000	2331.30	33871.00	16.40	7.61	19.04	6.65	15635.13	17389.82	846.05	434.21	87.29	4.89

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	38610.000	2334.70	16613.00	11.00	9.11	14.90	7.84	7226.50	8787.33	599.17	261.67	168.86	6.69
*	38610.000	2336.23	24246.00	12.53	10.85	17.11	8.94	11734.79	11619.20	892.02	266.65	184.29	6.55
*	38610.000	2336.72	27603.00	13.02	11.65	18.14	9.47	13722.39	12857.29	1023.31	268.29	195.91	6.35
*	38610.000	2337.81	33871.00	14.11	12.74	19.33	10.06	17665.57	14926.07	1279.36	271.83	198.17	6.51
*	38710.000	2340.87	16613.00	14.57	4.54	14.75	5.13	195.28	12488.35	3929.36	285.86	81.10	6.16
*	38710.000	2342.56	24246.00	16.26	5.32	16.90	6.72	323.40	16463.23	7459.37	291.50	88.42	6.33
*	38710.000	2343.36	27603.00	17.06	5.52	17.40	7.24	387.88	17990.81	9224.31	294.15	86.52	6.63
*	38710.000	2344.63	33871.00	18.33	5.93	18.46	8.13	513.48	20845.93	12511.59	298.34	86.56	6.81
*	38790.000	2346.45	16613.00	8.85	4.00	14.14	3.95	288.21	15576.45	748.34	292.20	97.27	5.59
*	38790.000	2348.35	24246.00	10.75	5.16	15.48	5.00	804.93	21307.54	2133.53	322.51	86.61	5.79
*	38790.000	2349.00	27603.00	11.40	5.64	16.13	5.50	1048.53	23731.61	2822.86	326.02	86.17	5.65
*	38790.000	2350.09	33871.00	12.49	6.43	17.29	6.33	1527.06	28157.95	4185.99	331.89	86.49	5.46

: CREEK (CC.DAT)

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	35490.000	.00	.00	.00	2137.80	16890.00	2147.34	2147.34	2149.39	105.51	12.97	1719.33	1644.27
*	35490.000	.00	.00	.00	2137.80	24831.00	2148.56	2148.56	2151.15	114.42	14.94	2226.52	2321.38
*	35490.000	.00	.00	.00	2137.80	28338.00	2149.06	2149.06	2151.84	115.14	15.56	2442.13	2640.98
	35490.000	.00	.00	.00	2137.80	34901.00	2149.96	2149.96	2153.01	114.84	16.53	2837.53	3256.82
*	35590.000	530.00	.00	.00	2139.10	16890.00	2152.09	2152.09	2154.24	75.97	13.16	1900.25	1937.81
	35590.000	530.00	.00	.00	2139.10	24831.00	2153.72	2153.60	2155.88	71.16	14.08	2828.96	2943.58
	35590.000	530.00	.00	.00	2139.10	28338.00	2154.36	.00	2156.47	67.81	14.25	3252.97	3441.40
	35590.000	530.00	.00	.00	2139.10	34901.00	2155.43	.00	2157.50	63.26	14.56	3965.79	4387.90
	35690.000	530.00	.00	.00	2145.70	16890.00	2156.33	.00	2157.65	56.41	10.72	2171.15	2248.75
	35690.000	530.00	.00	.00	2145.70	24831.00	2157.66	.00	2159.38	65.93	12.53	2817.63	3058.13
	35690.000	530.00	.00	.00	2145.70	28338.00	2158.07	.00	2160.01	72.31	13.40	3020.87	3332.46
	35690.000	530.00	.00	.00	2145.70	34901.00	2158.84	.00	2161.10	79.61	14.62	3466.69	3911.53
*	35770.000	450.00	.00	.00	2152.80	16888.00	2160.96	2160.96	2163.08	125.51	12.77	1691.19	1507.45
*	35770.000	450.00	.00	.00	2152.80	24817.00	2162.37	2162.37	2164.75	116.77	14.01	2434.68	2296.63
*	35770.000	450.00	.00	.00	2152.80	28319.00	2162.84	2162.84	2165.38	117.48	14.61	2693.38	2612.78
	770.000	450.00	.00	.00	2152.80	34868.00	2163.63	2163.63	2166.47	119.94	15.68	3124.58	3183.82
	35870.000	530.00	.00	.00	2157.10	16888.00	2166.72	.00	2168.46	83.31	11.57	1874.58	1850.29
	35870.000	530.00	.00	.00	2157.10	24817.00	2167.97	2167.62	2170.26	93.99	13.61	2469.45	2559.80
	35870.000	530.00	.00	.00	2157.10	28319.00	2168.49	2168.28	2170.94	95.04	14.22	2753.38	2904.79
	35870.000	530.00	.00	.00	2157.10	34868.00	2169.41	.00	2172.07	94.49	15.09	3273.35	3587.00
*	35960.000	480.00	.00	.00	2159.30	16888.00	2171.43	2171.43	2174.23	54.25	13.77	1546.98	2292.89
*	35960.000	480.00	.00	.00	2159.30	24817.00	2173.44	2173.44	2176.37	48.67	14.85	2522.53	3557.17
*	35960.000	480.00	.00	.00	2159.30	28319.00	2173.99	2173.99	2177.17	50.95	15.68	2790.89	3967.44
*	35960.000	480.00	.00	.00	2159.30	34868.00	2175.01	2175.01	2178.51	52.55	16.82	3298.70	4809.89
	36060.000	580.00	.00	.00	2160.40	16888.00	2174.68	2174.28	2176.86	36.97	13.04	2109.42	2777.60
	36060.000	580.00	.00	.00	2160.40	24817.00	2176.48	.00	2178.89	37.88	14.53	3056.76	4032.41
	36060.000	580.00	.00	.00	2160.40	28319.00	2177.33	.00	2179.69	35.91	14.74	3517.81	4725.97
	36060.000	580.00	.00	.00	2160.40	34868.00	2178.65	.00	2181.03	34.43	15.31	4271.97	5942.01
*	36180.000	630.00	.00	.00	2169.50	16888.00	2179.50	2179.50	2182.54	285.82	14.10	1217.80	998.91
*	36180.000	630.00	.00	.00	2169.50	24817.00	2181.41	2181.41	2185.04	243.21	15.53	1671.15	1591.31
*	36180.000	630.00	.00	.00	2169.50	28319.00	2182.11	2182.11	2186.01	236.55	16.17	1842.19	1841.28
*	36180.000	630.00	.00	.00	2169.50	34868.00	2183.30	2183.30	2187.71	227.85	17.26	2139.75	2309.95
*	36230.000	260.00	.00	.00	2174.40	16888.00	2185.79	.00	2187.51	131.48	11.19	1739.69	1472.84
	36230.000	260.00	.00	.00	2174.40	24817.00	2187.52	.00	2189.60	125.89	12.50	2299.25	2211.86
	36230.000	260.00	.00	.00	2174.40	28319.00	2188.25	.00	2190.45	121.68	12.90	2540.20	2567.25
*	36230.000	260.00	.00	.00	2174.40	34868.00	2189.56	.00	2191.95	114.22	13.53	2976.89	3262.57

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	36310.000	420.00	.00	.00	2178.90	16888.00	2190.94	2190.94	2194.30	119.69	17.08	1375.80	1543.67
*	36310.000	420.00	.00	.00	2178.90	24817.00	2193.04	2193.04	2197.08	119.17	19.19	1823.95	2273.33
*	36310.000	420.00	.00	.00	2178.90	28319.00	2193.86	2193.86	2198.16	118.74	19.97	2011.66	2598.79
*	36310.000	420.00	.00	.00	2178.90	34868.00	2195.21	2195.21	2200.02	120.09	21.38	2327.50	3181.79
	36400.000	480.00	.00	.00	2188.30	16870.00	2198.68	.00	2200.13	113.38	9.74	1790.66	1584.35
	36400.000	480.00	.00	.00	2188.30	24778.00	2200.90	.00	2202.65	102.04	10.86	2420.86	2452.90
	36400.000	480.00	.00	.00	2188.30	28271.00	2201.77	.00	2203.63	97.97	11.24	2697.91	2856.27
	36400.000	480.00	.00	.00	2188.30	34802.00	2203.34	.00	2205.35	90.35	11.78	3221.50	3661.36
	36490.000	480.00	.00	.00	2193.90	16870.00	2204.71	.00	2206.82	170.98	12.18	1498.08	1290.16
	36490.000	480.00	.00	.00	2193.90	24778.00	2206.38	.00	2209.25	183.90	14.27	1879.24	1827.17
	36490.000	480.00	.00	.00	2193.90	28271.00	2207.02	.00	2210.22	189.97	15.11	2025.13	2051.18
*	36490.000	480.00	.00	.00	2193.90	34802.00	2208.06	.00	2211.92	202.51	16.61	2268.40	2445.58
*	36520.000	160.00	.00	.00	2194.50	16870.00	2208.00	2208.00	2211.44	253.48	16.05	1190.39	1059.60
*	36520.000	160.00	.00	.00	2194.50	24778.00	2210.08	2210.08	2214.28	242.93	17.93	1571.15	1589.74
*	36520.000	160.00	.00	.00	2194.50	28271.00	2210.88	2210.88	2215.40	240.46	18.65	1722.99	1823.14
*	36520.000	160.00	.00	.00	2194.50	34802.00	2212.28	2212.28	2217.35	234.91	19.81	1996.69	2270.67
*	36610.000	480.00	.00	.00	2200.60	16870.00	2215.70	.00	2217.11	66.81	10.47	1830.96	2063.95
*	36610.000	480.00	.00	.00	2200.60	24778.00	2218.24	.00	2220.13	71.69	12.17	2317.92	2926.37
*	36610.000	480.00	.00	.00	2200.60	28271.00	2219.23	.00	2221.32	73.26	12.81	2516.55	3303.04
	36610.000	480.00	.00	.00	2200.60	34802.00	2220.92	.00	2223.36	75.86	13.88	2865.53	3995.77
	36690.000	380.00	.00	.00	2203.90	16870.00	2218.49	.00	2220.91	133.30	13.59	1449.43	1461.17
	36690.000	380.00	.00	.00	2203.90	24778.00	2221.10	.00	2223.94	122.88	14.91	1951.06	2235.23
	36690.000	380.00	.00	.00	2203.90	28271.00	2222.12	.00	2225.13	120.12	15.43	2153.37	2579.54
	36690.000	380.00	.00	.00	2203.90	34802.00	2223.85	.00	2227.18	116.29	16.29	2508.87	3227.19
	36780.000	480.00	.00	.00	2209.90	16966.00	2224.67	.00	2226.49	99.27	11.26	1625.82	1702.86
	36780.000	480.00	.00	.00	2209.90	24890.00	2227.02	.00	2229.48	105.41	13.15	2049.69	2424.24
	36780.000	480.00	.00	.00	2209.90	28381.00	2227.94	.00	2230.65	107.23	13.85	2221.09	2740.78
	36780.000	480.00	.00	.00	2209.90	34909.00	2229.51	.00	2232.68	110.38	15.04	2520.95	3322.70
*	36880.000	530.00	.00	.00	2221.50	16966.00	2234.52	2234.52	2238.79	246.83	17.67	1068.79	1079.89
*	36880.000	530.00	.00	.00	2221.50	24890.00	2237.12	2237.12	2242.38	233.52	19.78	1412.52	1628.79
*	36880.000	530.00	.00	.00	2221.50	28381.00	2238.14	2238.14	2243.79	228.99	20.56	1555.18	1875.51
*	36880.000	530.00	.00	.00	2221.50	34909.00	2239.93	2239.93	2246.23	221.24	21.82	1813.62	2346.96
*	36960.000	420.00	.00	.00	2226.00	16966.00	2241.77	.00	2242.77	44.71	8.58	2242.84	2537.21
*	36960.000	420.00	.00	.00	2226.00	24890.00	2244.95	.00	2246.06	39.16	9.26	3134.22	3977.35
*	36960.000	420.00	.00	.00	2226.00	28381.00	2246.22	.00	2247.36	37.15	9.47	3503.57	4656.09
*	36960.000	420.00	.00	.00	2226.00	34909.00	2248.43	.00	2249.64	34.17	9.82	4163.63	5972.16
*	37010.000	260.00	.00	.00	2229.00	16966.00	2243.19	.00	2244.62	98.61	10.35	1861.09	1708.51
	37010.000	260.00	.00	.00	2229.00	24890.00	2246.16	.00	2247.52	68.74	10.30	2888.31	3001.97
	37010.000	260.00	.00	.00	2229.00	28381.00	2247.39	.00	2248.65	58.43	10.09	3431.74	3712.93
	37010.000	260.00	.00	.00	2229.00	34909.00	2249.60	.00	2250.71	43.99	9.65	4475.50	5263.22

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	37080.000	370.00	.00	.00	2235.80	16966.00	2246.75	.00	2247.97	83.56	9.32	1939.38	1856.00
	37080.000	370.00	.00	.00	2235.80	24890.00	2248.79	.00	2250.43	87.28	10.86	2456.88	2664.13
	37080.000	370.00	.00	.00	2235.80	28381.00	2249.61	.00	2251.40	87.58	11.39	2692.04	3032.72
	37080.000	370.00	.00	.00	2235.80	34909.00	2251.16	.00	2253.13	83.94	12.06	3186.42	3810.30
*	37120.000	210.00	.00	.00	2233.70	16966.00	2248.47	2248.47	2251.38	264.35	15.03	1302.81	1043.49
*	37120.000	210.00	.00	.00	2233.70	24890.00	2250.20	2250.19	2253.83	259.84	16.86	1692.75	1544.08
*	37120.000	210.00	.00	.00	2233.70	28381.00	2250.93	2250.81	2254.80	253.23	17.42	1859.22	1783.50
*	37120.000	210.00	.00	.00	2233.70	34909.00	2252.15	2251.96	2256.52	246.60	18.44	2143.51	2222.99
*	37200.000	420.00	.00	.00	2243.10	16966.00	2256.21	.00	2257.74	102.58	10.67	1778.19	1675.10
*	37200.000	420.00	.00	.00	2243.10	24890.00	2258.24	.00	2260.19	104.42	12.17	2315.61	2435.77
*	37200.000	420.00	.00	.00	2243.10	28381.00	2259.00	.00	2261.13	105.51	12.75	2521.73	2763.02
*	37200.000	420.00	.00	.00	2243.10	34909.00	2260.35	.00	2262.79	106.24	13.68	2887.29	3386.85
	37270.000	370.00	.00	.00	2246.70	16966.00	2259.79	.00	2260.93	95.13	9.56	2046.68	1739.49
	37270.000	370.00	.00	.00	2246.70	24890.00	2261.87	.00	2263.20	84.60	10.34	2817.46	2706.11
	37270.000	370.00	.00	.00	2246.70	28381.00	2262.69	.00	2264.07	80.16	10.56	3161.33	3169.97
	37270.000	370.00	.00	.00	2246.70	34909.00	2264.15	.00	2265.60	72.46	10.84	3806.95	4100.98
	37310.000	210.00	.00	.00	2249.60	16966.00	2261.65	.00	2263.26	119.52	10.90	1759.40	1551.91
	37310.000	210.00	.00	.00	2249.60	24890.00	2263.44	.00	2265.44	117.16	12.31	2362.08	2299.53
	37310.000	210.00	.00	.00	2249.60	28381.00	2264.14	.00	2266.25	113.94	12.71	2673.26	2658.87
	37310.000	210.00	.00	.00	2249.60	34909.00	2265.44	.00	2267.59	103.31	13.07	3302.79	3434.56
	37370.000	320.00	.00	.00	2253.70	7105.00	2264.43	.00	2265.01	15.45	6.23	1302.07	1807.80
	37370.000	320.00	.00	.00	2253.70	9819.00	2266.45	.00	2267.03	11.69	6.38	1933.49	2872.15
	37370.000	320.00	.00	.00	2253.70	10979.00	2267.20	.00	2267.78	10.76	6.44	2211.60	3346.87
	37370.000	320.00	.00	.00	2253.70	13168.00	2268.43	.00	2269.01	9.71	6.61	2725.58	4226.88
*	37470.000	530.00	.00	.00	2257.70	7105.00	2265.60	2265.60	2268.00	86.60	12.72	644.91	763.48
*	37470.000	530.00	.00	.00	2257.70	9819.00	2267.47	2267.47	2269.23	50.89	11.62	1353.68	1376.44
*	37470.000	530.00	.00	.00	2257.70	10979.00	2267.80	2267.80	2269.62	51.29	12.00	1523.92	1532.97
*	37470.000	530.00	.00	.00	2257.70	13168.00	2268.59	.00	2270.27	45.31	12.01	1939.47	1956.21
	37570.000	530.00	.00	.00	2259.40	7105.00	2270.00	.00	2271.40	47.50	9.99	911.48	1030.94
*	37570.000	530.00	.00	.00	2259.40	9819.00	2270.36	2270.36	2272.63	73.72	12.85	1004.38	1143.63
*	37570.000	530.00	.00	.00	2259.40	10979.00	2270.82	2270.82	2273.14	71.28	13.12	1131.42	1300.39
*	37570.000	530.00	.00	.00	2259.40	13168.00	2271.68	2271.68	2273.98	64.90	13.36	1419.27	1634.60
*	37660.000	480.00	.00	.00	2270.00	7105.00	2275.32	2275.32	2276.79	215.09	10.17	755.23	484.45
*	37660.000	480.00	.00	.00	2270.00	9819.00	2276.26	2276.05	2277.84	167.80	10.59	1024.88	758.00
*	37660.000	480.00	.00	.00	2270.00	10979.00	2276.54	2276.49	2278.22	166.24	10.98	1119.27	851.53
*	37660.000	480.00	.00	.00	2270.00	13168.00	2277.10	2277.10	2278.84	152.27	11.35	1365.12	1067.11
	37750.000	480.00	.00	.00	2276.50	7105.00	2283.50	.00	2284.46	123.49	8.22	960.84	639.36
	37750.000	480.00	.00	.00	2276.50	9819.00	2283.98	.00	2285.34	147.47	9.82	1123.71	808.58
	37750.000	480.00	.00	.00	2276.50	10979.00	2284.23	.00	2285.70	148.10	10.25	1209.76	902.15
	37750.000	480.00	.00	.00	2276.50	13168.00	2284.55	2284.47	2286.31	162.11	11.28	1329.32	1034.22

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	37800.000	260.00	.00	.00	2282.70	7105.00	2286.83	2286.83	2288.40	117.77	10.08	725.17	654.71
*	37800.000	260.00	.00	.00	2282.70	9819.00	2287.63	2287.63	2289.49	108.04	11.03	941.30	944.68
*	37800.000	260.00	.00	.00	2282.70	10979.00	2287.94	2287.94	2289.91	103.90	11.37	1032.59	1077.09
*	37800.000	260.00	.00	.00	2282.70	13168.00	2288.49	2288.49	2290.65	97.92	11.97	1203.33	1330.69
*	37930.000	690.00	.00	.00	2283.70	16613.00	2294.50	2294.50	2297.27	82.20	14.03	1503.39	1832.41
*	37930.000	690.00	.00	.00	2283.70	24246.00	2296.17	2296.17	2299.52	83.16	15.89	2034.36	2658.85
*	37930.000	690.00	.00	.00	2283.70	27603.00	2296.81	2296.81	2300.40	83.71	16.60	2241.57	3016.95
*	37930.000	690.00	.00	.00	2283.70	33871.00	2297.98	2297.98	2301.91	82.59	17.65	2625.33	3726.95
*	38030.000	530.00	.00	.00	2292.80	16613.00	2302.06	2302.06	2304.93	102.62	13.88	1337.39	1639.98
*	38030.000	530.00	.00	.00	2292.80	24246.00	2303.98	2303.98	2307.20	88.08	15.08	1954.04	2583.45
*	38030.000	530.00	.00	.00	2292.80	27603.00	2304.69	2304.69	2308.04	84.75	15.55	2220.71	2998.44
*	38030.000	530.00	.00	.00	2292.80	33871.00	2305.88	2305.88	2309.43	79.77	16.29	2720.73	3792.30
	38140.000	580.00	.00	.00	2294.50	16613.00	2308.83	.00	2310.03	71.78	10.55	2157.97	1960.88
	38140.000	580.00	.00	.00	2294.50	24246.00	2310.60	.00	2311.97	71.71	11.58	2931.05	2863.09
	38140.000	580.00	.00	.00	2294.50	27603.00	2311.28	.00	2312.71	70.90	11.90	3258.08	3278.11
	38140.000	580.00	.00	.00	2294.50	33871.00	2312.42	.00	2313.95	70.20	12.46	3814.66	4042.64
	38250.000	580.00	.00	.00	2303.90	16613.00	2312.80	.00	2314.72	97.68	11.75	1697.68	1680.91
	38250.000	580.00	.00	.00	2303.90	24246.00	2314.27	.00	2316.62	96.43	13.29	2284.81	2469.02
	38250.000	580.00	.00	.00	2303.90	27603.00	2314.81	.00	2317.34	96.81	13.89	2523.79	2805.35
	38250.000	580.00	.00	.00	2303.90	33871.00	2315.75	.00	2318.55	96.57	14.83	2961.02	3446.71
*	38320.000	370.00	.00	.00	2306.10	16613.00	2316.59	2316.59	2319.02	112.40	14.68	1629.88	1566.99
*	38320.000	370.00	.00	.00	2306.10	24246.00	2318.01	2318.01	2321.00	114.38	16.66	2138.40	2267.03
*	38320.000	370.00	.00	.00	2306.10	27603.00	2318.65	2318.65	2321.78	110.75	17.18	2370.36	2622.97
*	38320.000	370.00	.00	.00	2306.10	33871.00	2319.60	2319.60	2323.15	112.65	18.47	2715.46	3191.28
	38430.000	580.00	.00	.00	2314.30	16613.00	2323.29	.00	2324.24	81.20	10.39	2447.63	1843.57
	38430.000	580.00	.00	.00	2314.30	24246.00	2324.77	.00	2325.86	69.59	11.27	3308.70	2906.51
	38430.000	580.00	.00	.00	2314.30	27603.00	2325.33	.00	2326.49	67.43	11.67	3635.34	3361.41
	38430.000	580.00	.00	.00	2314.30	33871.00	2326.41	.00	2327.67	61.26	12.17	4274.42	4327.43
*	38500.000	370.00	.00	.00	2314.90	16613.00	2328.01	2328.01	2330.60	85.68	15.55	1724.40	1794.78
*	38500.000	370.00	.00	.00	2314.90	24246.00	2329.68	2329.68	2332.59	85.45	17.25	2397.69	2622.98
*	38500.000	370.00	.00	.00	2314.90	27603.00	2330.38	2330.38	2333.34	82.77	17.66	2697.98	3033.97
*	38500.000	370.00	.00	.00	2314.90	33871.00	2331.30	2331.30	2334.62	87.29	19.04	3096.11	3625.42
	38610.000	580.00	.00	.00	2323.70	16613.00	2334.70	.00	2337.12	168.86	14.90	1458.97	1278.47
*	38610.000	580.00	.00	.00	2323.70	24246.00	2336.23	.00	2339.34	184.29	17.11	1860.51	1786.02
*	38610.000	580.00	.00	.00	2323.70	27603.00	2336.72	.00	2340.20	195.91	18.14	1994.11	1972.08
*	38610.000	580.00	.00	.00	2323.70	33871.00	2337.81	.00	2341.74	198.17	19.33	2286.20	2406.10
*	38710.000	530.00	.00	.00	2326.30	16613.00	2340.87	2340.87	2343.51	81.10	14.75	1656.38	1844.71
*	38710.000	530.00	.00	.00	2326.30	24246.00	2342.56	.00	2345.79	88.42	16.90	2145.14	2578.53
*	38710.000	530.00	.00	.00	2326.30	27603.00	2343.36	.00	2346.70	86.52	17.40	2378.99	2967.60
*	38710.000	530.00	.00	.00	2326.30	33871.00	2344.63	.00	2348.27	86.56	18.46	2755.25	3640.63

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	38790.000	422.00	.00	.00	2337.60	16613.00	2346.45	2346.45	2349.38	97.27	14.14	1363.35	1684.44
*	38790.000	422.00	.00	.00	2337.60	24246.00	2348.35	2348.35	2351.67	86.61	15.48	1959.32	2605.33
*	38790.000	422.00	.00	.00	2337.60	27603.00	2349.00	2349.00	2352.54	86.17	16.13	2170.06	2973.52
*	38790.000	422.00	.00	.00	2337.60	33871.00	2350.09	2350.09	2354.05	86.49	17.29	2526.80	3641.95

: CREEK (CC.DAT)

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	35490.000	16890.00	2147.34	.00	.00	1.35	411.18	.00
*	35490.000	24831.00	2148.56	1.22	.00	.44	420.30	.00
*	35490.000	28338.00	2149.06	.51	.00	.59	429.38	.00
	35490.000	34901.00	2149.96	.90	.00	.00	453.93	.00
*	35590.000	16890.00	2152.09	.00	4.76	.00	506.94	530.00
	35590.000	24831.00	2153.72	1.63	5.16	.00	657.60	530.00
	35590.000	28338.00	2154.36	.64	5.30	.00	659.13	530.00
	35590.000	34901.00	2155.43	1.07	5.47	.00	661.71	530.00
	35690.000	16890.00	2156.33	.00	4.24	.00	466.14	530.00
	35690.000	24831.00	2157.66	1.33	3.94	.00	500.67	530.00
	35690.000	28338.00	2158.07	.41	3.70	.00	527.91	530.00
	35690.000	34901.00	2158.84	.77	3.40	.00	627.48	530.00
*	35770.000	16888.00	2160.96	.00	4.63	.00	477.55	450.00
*	35770.000	24817.00	2162.37	1.41	4.70	.00	541.78	450.00
*	35770.000	28319.00	2162.84	.48	4.77	.00	544.44	450.00
*	770.000	34868.00	2163.63	.79	4.79	.00	548.85	450.00
	35870.000	16888.00	2166.72	.00	5.76	.00	438.57	530.00
	35870.000	24817.00	2167.97	1.25	5.61	.00	514.77	530.00
	35870.000	28319.00	2168.49	.52	5.65	.00	561.81	530.00
	35870.000	34868.00	2169.41	.92	5.78	.00	565.96	530.00
*	35960.000	16888.00	2171.43	.00	4.71	.00	472.23	480.00
*	35960.000	24817.00	2173.44	2.01	5.47	.00	489.71	480.00
*	35960.000	28319.00	2173.99	.55	5.49	.00	492.17	480.00
*	35960.000	34868.00	2175.01	1.03	5.60	.00	496.63	480.00
	36060.000	16888.00	2174.68	.00	3.25	.00	513.78	580.00
	36060.000	24817.00	2176.48	1.80	3.04	.00	539.07	580.00
	36060.000	28319.00	2177.33	.85	3.34	.00	550.96	580.00
	36060.000	34868.00	2178.65	1.32	3.63	.00	595.63	580.00
*	36180.000	16888.00	2179.50	.00	4.82	.00	209.49	630.00
*	36180.000	24817.00	2181.41	1.92	4.93	.00	244.38	630.00
*	36180.000	28319.00	2182.11	.70	4.78	.00	246.89	630.00
*	36180.000	34868.00	2183.30	1.19	4.66	.00	251.19	630.00
*	36230.000	16888.00	2185.79	.00	6.29	.00	318.07	260.00
	36230.000	24817.00	2187.52	1.73	6.10	.00	326.27	260.00
	36230.000	28319.00	2188.25	.73	6.14	.00	329.74	260.00
*	36230.000	34868.00	2189.56	1.31	6.26	.00	335.93	260.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	36310.000	16888.00	2190.94	.00	5.15	.00	199.95	420.00
*	36310.000	24817.00	2193.04	2.10	5.52	.00	224.47	420.00
*	36310.000	28319.00	2193.86	.82	5.61	.00	231.88	420.00
*	36310.000	34868.00	2195.21	1.34	5.65	.00	237.78	420.00
	36400.000	16870.00	2198.68	.00	7.74	.00	262.74	480.00
	36400.000	24778.00	2200.90	2.21	7.86	.00	304.77	480.00
	36400.000	28271.00	2201.77	.88	7.91	.00	321.51	480.00
	36400.000	34802.00	2203.34	1.57	8.14	.00	347.23	480.00
	36490.000	16870.00	2204.71	.00	6.02	.00	223.74	480.00
	36490.000	24778.00	2206.38	1.68	5.48	.00	229.25	480.00
	36490.000	28271.00	2207.02	.63	5.24	.00	231.32	480.00
*	36490.000	34802.00	2208.06	1.05	4.72	.00	234.74	480.00
*	36520.000	16870.00	2208.00	.00	3.30	.00	177.09	160.00
*	36520.000	24778.00	2210.08	2.07	3.70	.00	188.39	160.00
*	36520.000	28271.00	2210.88	.80	3.86	.00	191.97	160.00
*	36520.000	34802.00	2212.28	1.40	4.22	.00	198.25	160.00
*	36610.000	16870.00	2215.70	.00	7.69	.00	185.54	480.00
*	36610.000	24778.00	2218.24	2.55	8.16	.00	197.85	480.00
*	36610.000	28271.00	2219.23	.99	8.36	.00	202.65	480.00
	510.000	34802.00	2220.92	1.69	8.65	.00	210.83	480.00
	36690.000	16870.00	2218.49	.00	2.79	.00	185.89	380.00
	36690.000	24778.00	2221.10	2.62	2.86	.00	197.48	380.00
	36690.000	28271.00	2222.12	1.01	2.88	.00	201.97	380.00
	36690.000	34802.00	2223.85	1.73	2.92	.00	209.22	380.00
	36780.000	16966.00	2224.67	.00	6.19	.00	175.96	480.00
	36780.000	24890.00	2227.02	2.35	5.92	.00	184.88	480.00
	36780.000	28381.00	2227.94	.92	5.82	.00	188.36	480.00
	36780.000	34909.00	2229.51	1.57	5.66	.00	194.32	480.00
*	36880.000	16966.00	2234.52	.00	9.85	.00	127.41	530.00
*	36880.000	24890.00	2237.12	2.60	10.10	.00	137.28	530.00
*	36880.000	28381.00	2238.14	1.02	10.20	.00	141.18	530.00
*	36880.000	34909.00	2239.93	1.79	10.42	.00	147.97	530.00
*	36960.000	16966.00	2241.77	.00	7.25	.00	272.66	420.00
*	36960.000	24890.00	2244.95	3.18	7.83	.00	288.65	420.00
*	36960.000	28381.00	2246.22	1.27	8.07	.00	293.88	420.00
*	36960.000	34909.00	2248.43	2.21	8.50	.00	303.01	420.00
*	37010.000	16966.00	2243.19	.00	1.42	.00	270.25	260.00
	37010.000	24890.00	2246.16	2.97	1.21	.00	430.97	260.00
	37010.000	28381.00	2247.39	1.23	1.17	.00	456.36	260.00
	37010.000	34909.00	2249.60	2.21	1.17	.00	481.25	260.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	37080.000	16966.00	2246.75	.00	3.56	.00	241.14	370.00
	37080.000	24890.00	2248.79	2.04	2.63	.00	272.03	370.00
	37080.000	28381.00	2249.61	.82	2.23	.00	298.88	370.00
	37080.000	34909.00	2251.16	1.54	1.56	.00	340.30	370.00
*	37120.000	16966.00	2248.47	.00	1.73	.00	222.26	210.00
*	37120.000	24890.00	2250.20	1.73	1.41	.00	228.28	210.00
*	37120.000	28381.00	2250.93	.73	1.31	.00	230.27	210.00
*	37120.000	34909.00	2252.15	1.22	.99	.00	233.99	210.00
*	37200.000	16966.00	2256.21	.00	7.74	.00	263.76	420.00
*	37200.000	24890.00	2258.24	2.03	8.04	.00	267.70	420.00
*	37200.000	28381.00	2259.00	.76	8.08	.00	269.20	420.00
*	37200.000	34909.00	2260.35	1.35	8.20	.00	271.83	420.00
	37270.000	16966.00	2259.79	.00	3.57	.00	342.22	370.00
	37270.000	24890.00	2261.87	2.08	3.62	.00	402.05	370.00
	37270.000	28381.00	2262.69	.82	3.68	.00	426.23	370.00
	37270.000	34909.00	2264.15	1.47	3.80	.00	444.59	370.00
	37310.000	16966.00	2261.65	.00	1.86	.00	297.93	210.00
	37310.000	24890.00	2263.44	1.79	1.57	.00	406.26	210.00
	37310.000	28381.00	2264.14	.71	1.46	.00	463.54	210.00
	37310.000	34909.00	2265.44	1.30	1.29	.00	495.45	210.00
	37370.000	7105.00	2264.43	.00	2.78	.00	272.37	320.00
	37370.000	9819.00	2266.45	2.02	3.02	.00	354.72	320.00
	37370.000	10979.00	2267.20	.75	3.06	.00	387.40	320.00
	37370.000	13168.00	2268.43	1.23	2.98	.00	456.21	320.00
*	37470.000	7105.00	2265.60	.00	1.17	.00	181.25	530.00
*	37470.000	9819.00	2267.47	1.87	1.02	.00	512.03	530.00
*	37470.000	10979.00	2267.80	.33	.60	.00	518.76	530.00
*	37470.000	13168.00	2268.59	.79	.16	.00	534.84	530.00
	37570.000	7105.00	2270.00	.00	4.40	.00	253.65	530.00
*	37570.000	9819.00	2270.36	.36	2.88	.00	265.78	530.00
*	37570.000	10979.00	2270.82	.46	3.01	.00	288.12	530.00
*	37570.000	13168.00	2271.68	.86	3.09	.00	410.30	530.00
*	37660.000	7105.00	2275.32	.00	5.32	.00	271.97	480.00
*	37660.000	9819.00	2276.26	.94	5.91	.00	307.84	480.00
*	37660.000	10979.00	2276.54	.28	5.72	.00	375.37	480.00
*	37660.000	13168.00	2277.10	.56	5.42	.00	475.20	480.00
	37750.000	7105.00	2283.50	.00	8.18	.00	332.16	480.00
	37750.000	9819.00	2283.98	.48	7.72	.00	347.17	480.00
	37750.000	10979.00	2284.23	.25	7.69	.00	356.29	480.00
	37750.000	13168.00	2284.55	.32	7.45	.00	383.44	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	37800.000	7105.00	2286.83	.00	3.33	.00	253.92	260.00
*	37800.000	9819.00	2287.63	.80	3.65	.00	286.27	260.00
*	37800.000	10979.00	2287.94	.31	3.71	.00	298.94	260.00
*	37800.000	13168.00	2288.49	.55	3.94	.00	321.31	260.00
*	37930.000	16613.00	2294.50	.00	7.67	.00	311.85	690.00
*	37930.000	24246.00	2296.17	1.68	8.55	.00	321.48	690.00
*	37930.000	27603.00	2296.81	.64	8.87	.00	325.15	690.00
*	37930.000	33871.00	2297.98	1.17	9.49	.00	331.85	690.00
*	38030.000	16613.00	2302.06	.00	7.57	.00	275.88	530.00
*	38030.000	24246.00	2303.98	1.92	7.81	.00	363.47	530.00
*	38030.000	27603.00	2304.69	.70	7.87	.00	393.21	530.00
*	38030.000	33871.00	2305.88	1.19	7.89	.00	448.97	530.00
	38140.000	16613.00	2308.83	.00	6.77	.00	390.94	580.00
	38140.000	24246.00	2310.60	1.77	6.62	.00	474.71	580.00
	38140.000	27603.00	2311.28	.68	6.60	.00	483.44	580.00
	38140.000	33871.00	2312.42	1.14	6.54	.00	497.96	580.00
	38250.000	16613.00	2312.80	.00	3.97	.00	371.81	580.00
	38250.000	24246.00	2314.27	1.47	3.67	.00	427.95	580.00
	38250.000	27603.00	2314.81	.54	3.53	.00	448.78	580.00
	38250.000	33871.00	2315.75	.94	3.33	.00	483.11	580.00
*	38320.000	16613.00	2316.59	.00	3.79	.00	354.42	370.00
*	38320.000	24246.00	2318.01	1.42	3.75	.00	360.12	370.00
*	38320.000	27603.00	2318.65	.64	3.84	.00	362.69	370.00
*	38320.000	33871.00	2319.60	.95	3.85	.00	366.48	370.00
	38430.000	16613.00	2323.29	.00	6.70	.00	581.13	580.00
	38430.000	24246.00	2324.77	1.47	6.76	.00	586.35	580.00
	38430.000	27603.00	2325.33	.56	6.67	.00	588.31	580.00
	38430.000	33871.00	2326.41	1.08	6.81	.00	592.14	580.00
*	38500.000	16613.00	2328.01	.00	4.72	.00	368.82	370.00
*	38500.000	24246.00	2329.68	1.67	4.91	.00	427.97	370.00
*	38500.000	27603.00	2330.38	.70	5.05	.00	430.67	370.00
*	38500.000	33871.00	2331.30	.92	4.89	.00	434.21	370.00
	38610.000	16613.00	2334.70	.00	6.69	.00	261.67	580.00
*	38610.000	24246.00	2336.23	1.53	6.55	.00	266.65	580.00
*	38610.000	27603.00	2336.72	.49	6.35	.00	268.29	580.00
*	38610.000	33871.00	2337.81	1.09	6.51	.00	271.83	580.00
*	38710.000	16613.00	2340.87	.00	6.16	.00	285.86	530.00
*	38710.000	24246.00	2342.56	1.69	6.33	.00	291.50	530.00
*	38710.000	27603.00	2343.36	.80	6.63	.00	294.15	530.00
*	38710.000	33871.00	2344.63	1.27	6.81	.00	298.34	530.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	38790.000	16613.00	2346.45	.00	5.59	.00	292.20	422.00
*	38790.000	24246.00	2348.35	1.90	5.79	.00	322.51	422.00
*	38790.000	27603.00	2349.00	.65	5.65	.00	326.02	422.00
*	38790.000	33871.00	2350.09	1.08	5.46	.00	331.89	422.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=  35490.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35490.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35490.000  PROFILE=  3  CRITICAL DEPTH ASSUMED

CAUTION SECNO=  35590.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35590.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  35770.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35770.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  35770.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35770.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35770.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  35960.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  35960.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  35960.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  36180.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36180.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  36230.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36230.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36310.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36310.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36310.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36310.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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 ON SECNO=  36310.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  36490.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36520.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36520.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36520.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36520.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

WARNING SECNO=  36610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36610.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36610.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36610.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36880.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36880.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36880.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
 ON SECNO=  36880.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
 ON SECNO=  36880.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36880.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  36960.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36960.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36960.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36960.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  37010.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  37120.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37120.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=  37120.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37120.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37120.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  37200.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37200.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37200.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37200.000  PROFILE=  4  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  37470.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37470.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
 ON SECNO=  37470.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  37470.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37470.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO= 37470.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37470.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37470.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO= 37470.000 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 37570.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37570.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37570.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37570.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37570.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37570.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 37660.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37660.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
WARNING SECNO= 37660.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 37660.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO= 37660.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37660.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 37800.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37800.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37800.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37800.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37800.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
[illegible]ON SECNO= 37800.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
[illegible]ON SECNO= 37800.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37800.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 37930.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37930.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37930.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37930.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37930.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37930.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 37930.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37930.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 38030.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38030.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38030.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38030.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38030.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38030.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38030.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38030.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38030.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38030.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38030.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

[illegible]ION SECNO= 38320.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
[illegible]N SECNO= 38320.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38320.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38320.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
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[illegible]N SECNO= 38320.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
[illegible]ION SECNO= 38320.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38320.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38320.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 38500.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38500.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38500.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38500.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38500.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38500.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38500.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38500.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38500.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38500.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38500.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO= 38610.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 38610.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 38610.000 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 38710.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38710.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
WARNING SECNO= 38710.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
[illegible]NG SECNO= 38710.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
[illegible]G SECNO= 38710.000 PROFILE= 4 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 38790.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38790.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38790.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38790.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38790.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38790.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38790.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38790.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 38790.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 38790.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 38790.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

Stop - Program terminated.

Stop - Program terminated.
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* ****************************************************
*  WATER SURFACE PROFILES                            *
*  VERSION OF SEPTEMBER 1988                         *
*  ERROR: 01,02,03                                   *
*   DATED:  SEPTEMBER 1989                           *
*  RUN DATE     3/ 6/90    TIME    11:20:15          *
****************************************************
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*            (916) 756-1104
****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

CC. MCX 3/6/90 11:21 A

REVISED PER MCFCD COMMENTS (
TJH 3/6

THIS RUN EXECUTED 3/ 6/90 11:20:15

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1        FLOOD CONTROL DISTRICT OF MARICOPA CO - LA027815.H2
T2        100-YEAR FLOOD FREQUENCY MODEL (NATURAL CONDITIONS)
T3        CAVE CREEK              (CC.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                           0                                   2148.47

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                 -1


    ARIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26         8        42        39         1        34         4        53
    21        22        54         0        38        43         1        50        51        27
    21        22        28         5         3        61       200

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10       -10

QT        2     28338     28338
NC     .055      .055      .045        .1         .3
ET                          9.1                                                          9768.16    10089.6
          THIS FLOODWAY MODEL IS BASED ON A PREVIOUS MODEL OF NATURAL CONDITIONS
          REFER TO FILE CC.OUT (CH2M HILL, 1990)

X1    35490        18    9962.8   10089.6     370.0     350.0     370.0
GR   2163.0    9518.5    2153.1    9540.2    2150.5    9577.6    2150.8    9631.6    2148.8    9682.5
GR   2143.4    9712.2    2145.8    9791.8    2146.1    9862.9    2143.8    9910.1    2141.6    9944.2
GR   2141.1    9947.5    2143.1    9962.8    2137.8    9990.4    2138.3   10000.0    2139.8   10042.1
GR   2141.2   10089.6    2149.9   10106.8    2162.2   10129.8

NC     .06       .06      .045
ET                          9.1                                                          9596.8    10031.4
X1    35590        23    9932.1   10031.4     520.0     550.0     530.0
GR   2175.5    9355.2    2152.3    9383.2    2153.1    9422.1    2153.6    9489.0    2150.8    9565.5
GR    149.6    9596.8    2147.3    9612.8    2149.5    9644.1    2151.6    9674.1    2151.1    9698.4
GR   2148.5    9739.3    2150.0    9801.8    2151.0    9856.1    2150.1    9901.6    2146.7    9916.0
GR   2146.4    9932.1    2142.8    9941.3    2142.3    9974.3    2139.9   10000.0    2139.1   10013.4
GR   2147.2   10031.4    2178.6   10068.4    2182.6   10076.3
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ET			9.1						9755.33	10208.3
X1	35690	21	9937.0	10050.0	460.0	470.0	530.0			
GR	2178.4	9549.8	2159.7	9571.8	2156.8	9605.2	2154.8	9639.6	2155.3	9703.8
GR	2156.3	9734.9	2154.4	9768.1	2157.9	9804.5	2159.0	9931.6	2159.3	9937.0
GR	2147.7	9952.2	2145.8	9971.8	2145.7	10000.0	2146.9	10031.8	2148.8	10050.0
GR	2152.8	10140.7	2151.4	10171.5	2149.4	10203.6	2150.5	10228.2	2169.6	10240.7
GR	2180.5	10260.7								
QT	2	28319	28319							
NC	.065	.065	.045							
ET			9.1						9805.57	10190.8
X1	35770	21	9931.1	10092.1	450.0	450.0	450.0			
GR	2181.6	9633.5	2165.3	9659.3	2160.2	9681.6	2159.6	9716.2	2161.3	9752.1
GR	2161.3	9772.7	2159.2	9793.5	2160.3	9861.7	2161.2	9922.8	2161.2	9931.1
GR	2153.2	9949.6	2153.7	9984.7	2153.4	10000.0	2152.8	10023.9	2154.4	10042.7
GR	2156.7	10092.1	2158.4	10124.4	2156.8	10167.8	2154.2	10204.0	2164.5	10216.5
GR	2184.2	10245.1								
ET			9.1						9928.56	10219.8
X1	35870	19	9968.0	10120.8	520.0	520.0	530.0			
GR	2200.8	9639.0	2170.9	9681.8	2170.9	9697.1	2166.2	9706.8	2165.9	9757.3
GR	2168.4	9814.7	2167.8	9863.8	2164.8	9934.0	2164.3	9968.0	2157.1	9983.3
GR	2157.4	10000.0	2158.3	10054.9	2160.0	10085.0	2162.4	10120.8	2162.5	10132.7
GR	2161.8	10199.7	2162.2	10227.1	2167.2	10260.7	2181.3	10295.1		
	.065	.065	.035							
ET			9.1						9729.72	10054.2
X1	35960	21	9929.7	10054.2	450.0	450.0	480.0			
GR	2194.0	9536.6	2178.8	9560.9	2171.7	9581.7	2170.1	9601.2	2171.2	9637.4
GR	2171.1	9730.1	2169.8	9778.9	2168.9	9827.3	2170.5	9891.1	2170.4	9910.4
GR	2172.0	9925.5	2166.8	9929.7	2164.1	9956.0	2160.0	9971.3	2161.9	9983.2
GR	2159.3	10000.0	2161.0	10038.0	2165.7	10054.2	2174.2	10067.5	2192.8	10093.2
GR	2193.6	10098.6								
ET			9.1						9672.86	10048.3
X1	36060	22	9957.6	10048.3	560.0	560.0	580.0			
GR	2191.0	9405.7	2179.3	9435.6	2177.4	9501.1	2173.6	9552.2	2173.3	9585.6
GR	2173.0	9718.0	2171.5	9786.7	2171.0	9836.8	2171.3	9851.7	2174.5	9866.0
GR	2172.5	9876.3	2172.4	9886.6	2170.5	9914.1	2167.2	9957.6	2161.8	9970.2
GR	2160.5	9997.2	2160.4	10000.0	2163.4	10027.2	2169.5	10048.3	2193.6	10062.9
GR	2198.7	10081.5	2200.8	10091.8						
NC	.065	.065	.06							
ET			9.1						9957.10	10144.0
X1	36180	22	9957.1	10144.0	580.0	630.0	630.0			
GR	2201.5	9846.0	2200.1	9863.1	2198.7	9875.8	2180.0	9907.2	2179.6	9934.3
GR	2179.0	9944.4	2173.8	9957.1	2172.5	9973.8	2171.3	10000.0	2171.4	10011.3
GR	2174.2	10020.8	2174.1	10037.5	2175.8	10051.4	2175.5	10080.7	2170.7	10106.6
GR	2169.5	10127.2	2178.7	10144.0	2194.1	10173.6	2203.9	10198.7	2211.5	10228.7
GR	2222.2	10257.0	2228.1	10276.0						

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ET                    9.1                                                  9969.00   10226.9
X1   36230     20   9969.0  10130.4    240.0    250.0    260.0
GR   2197.7  9917.0  2196.2   9927.9   2185.0   9958.2   2181.9   9969.0   2177.6   9979.9
GR   2174.5  9994.9  2174.4  10000.0   2176.6  10005.7   2176.1  10027.6   2180.1  10054.6
GR   2180.8 10062.6  2178.9  10082.7   2176.6  10098.2   2179.3  10130.4   2183.8  10158.1
GR   2183.5 10180.4  2181.8  10249.0   2185.3  10273.2   2192.1  10286.9   2227.3  10335.2

NC    .065   .065    .045
ET                    9.1                                                  9868.28   10042.3
X1   36310     16   9965.0  10027.1    350.0    430.0    420.0
GR   2205.2  9792.2  2193.7   9826.5   2191.6   9844.9   2190.7   9857.1   2183.9   9871.1
GR   2183.3  9882.2  2185.6   9908.1   2187.2   9940.9   2186.6   9953.0   2184.4   9965.0
GR   2178.9  9970.2  2178.9  10000.0   2183.8  10027.1   2185.0  10045.5   2226.8  10104.0
GR   2227.5 10113.1

QT       2  28271   28271
NC    .065   .065    .065
ET                    9.1                                                  9876.40   10100.2
X1   36400     13   9876.4  10085.3    510.0    490.0    480.0
GR   2228.2  9837.8  2194.0   9876.4   2189.8   9900.8   2192.3   9928.8   2193.1   9963.1
GR   2189.0 10000.0  2188.4  10047.9   2188.3  10073.8   2194.9  10085.3   2198.1  10123.6
GR   2202.5 10201.9  2204.1  10223.1   2215.1  10266.5

ET                    9.1                                                  9945.24   10128.0
X1   36490     18   9971.6  10114.1    420.0    330.0    480.0
GR   2221.9  9892.6  2203.9   9920.3   2201.4   9934.3   2201.4   9952.1   2199.0   9971.6
GR   2196.2  9983.0  2194.1   9996.0   2193.9  10000.0   2196.7  10015.5   2197.9  10040.6
GR   2197.5 10048.8  2196.5  10080.3   2194.0  10104.4   2198.8  10114.1   2199.4  10133.6
GR   2210.3 10152.5  2228.1  10183.8   2228.4  10185.6

ET                    9.1                                                  9900.02   10046.9
X1   36520     13   9928.0  10011.7    200.0    210.0    160.0
GR   2218.9  9857.6  2204.2   9897.7   2203.9   9913.2   2200.9   9928.0   2200.1   9933.5
GR   2199.0  9941.7  2200.3   9974.7   2194.9   9995.5   2194.5  10000.0   2199.4  10011.7
GR   2202.2 10030.7  2208.5  10067.3   2238.4  10119.6

ET                    9.1                                                  9923.26   10085.9
X1   36610     12   9955.2  10031.1    400.0    470.0    480.0
GR   2222.6  9889.2  2208.1   9929.5   2204.5   9955.2   2202.9   9956.1   2200.6   9995.3
GR   2200.6 10000.0  2203.0  10011.6   2204.4  10031.1   2206.2  10060.2   2212.6  10087.5
GR   2229.6 10122.6  2234.2  10132.7

ET                    9.1                                                  9954.00   10107.0
X1   36690     12   9957.0  10037.3    380.0    390.0    380.0
GR   2229.2  9918.3  2209.3   9957.0   2208.1   9962.7   2203.9   9990.5   2205.0  10000.0
GR   2208.3 10024.8  2209.8  10037.3   2212.5  10066.0   2215.8  10101.6   2215.7  10118.1
GR   2222.7 10135.5  2230.6  10152.3
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QT	2	28381	28381							
ET			9.1						9976.02	10125.3
X1	36780	13	9976.3	10093.2	470.0	500.0	480.0			
GR	2258.5	9913.2	2256.9	9918.2	2226.5	9960.8	2215.4	9976.3	2211.0	9977.6
GR	2209.9	9987.7	2211.6	10000.0	2211.4	10021.1	2213.3	10046.9	2218.7	10093.2
GR	2217.3	10116.0	2224.5	10138.9	2236.6	10167.9				
ET			9.1						9917.06	10026.0
X1	36880	13	9954.8	10023.3	550.0	560.0	530.0			
GR	2265.9	9831.8	2259.6	9854.4	2246.4	9885.0	2229.6	9919.8	2228.1	9938.4
GR	2226.6	9944.1	2226.3	9954.8	2222.8	9974.7	2221.5	10000.0	2226.5	10023.3
GR	2227.4	10024.7	2247.0	10058.6	2257.0	10068.9				
ET			9.1						9922.69	10149.7
X1	36960	15	9943.8	10059.8	380.0	420.0	420.0			
GR	2259.2	9880.5	2234.8	9922.8	2228.3	9943.8	2228.8	9957.0	2228.5	9985.5
GR	2226.0	10000.0	2229.0	10028.9	2228.4	10030.4	2230.7	10059.8	2236.8	10092.7
GR	2240.9	10115.2	2239.8	10144.4	2240.2	10178.1	2244.8	10193.5	2250.4	10206.9
ET			9.1						9829.95	10069.7
X1	37010	20	9935.4	10061.1	320.0	260.0	260.0			
GR	2260.6	9721.3	2248.9	9744.1	2245.5	9779.3	2242.5	9814.5	2236.9	9847.1
GR	2238.1	9863.7	2238.4	9899.3	2236.2	9932.6	2235.5	9935.4	2233.8	9964.8
[illegible]	2229.0	10000.0	2232.1	10025.3	2231.8	10030.5	2241.5	10061.1	2245.8	10100.7
[illegible]	2245.9	10127.8	2243.2	10157.5	2245.1	10192.4	2247.5	10217.3	2255.9	10244.0
ET			9.1						9947.80	10151.2
X1	37080	20	9947.8	10081.6	400.0	320.0	370.0			
GR	2273.1	9810.2	2257.0	9839.7	2251.7	9859.2	2250.3	9886.1	2248.4	9930.8
GR	2241.5	9938.8	2240.4	9947.8	2237.5	9972.9	2237.1	10000.0	2236.4	10017.0
GR	2235.8	10049.3	2239.2	10081.6	2238.2	10137.6	2241.0	10151.1	2246.4	10170.5
GR	2249.5	10200.4	2253.8	10225.0	2255.7	10247.2	2260.0	10261.3	2265.1	10278.9
ET			9.1						9969.00	10163.9
X1	37120	17	9969.0	10060.6	210.0	180.0	210.0			
GR	2271.9	9925.0	2251.8	9964.5	2247.2	9969.0	2240.3	9984.1	2234.9	10000.0
GR	2233.7	10013.1	2245.4	10049.4	2246.8	10060.6	2246.0	10078.1	2244.8	10115.6
GR	2242.6	10141.9	2241.7	10169.7	2249.5	10193.1	2258.6	10209.2	2261.5	10220.4
GR	2270.3	10275.9	2271.2	10287.2						
ET			9.1						9898.73	10095.8
X1	37200	19	9978.7	10095.8	380.0	320.0	420.0			
GR	2269.3	9799.5	2262.6	9826.6	2256.2	9835.0	2255.8	9861.6	2253.3	9888.5
GR	2250.9	9914.3	2246.4	9934.0	2251.6	9950.3	2251.3	9950.4	2248.9	9978.7
GR	2243.1	10000.0	2245.0	10018.9	2246.4	10048.2	2246.3	10076.6	2251.6	10095.8
GR	2266.5	10105.3	2278.5	10122.3	2291.0	10150.5	2295.1	10165.0		
ET			9.1						9766.35	10031.7
X1	37270	19	9937.0	10027.7	240.0	350.0	370.0			
[illegible]	2271.2	9707.2	2267.6	9728.4	2261.2	9745.4	2252.3	9764.9	2250.0	9793.1
[illegible]	254.3	9829.1	2255.6	9857.4	2254.8	9890.0	2252.7	9922.8	2254.4	9937.0
GR	2251.7	9954.5	2246.7	10000.0	2256.6	10027.7	2258.6	10047.0	2259.6	10085.8
GR	2261.6	10138.9	2263.1	10178.6	2271.7	10207.3	2270.9	10228.4		

NC	.065	.065	.06							
ET			9.1						9807.04	10044.4
X1	37310	19	9885.7	10031.9	200.0	220.0	210.0			
GR	2273.5	9752.5	2273.4	9771.1	2254.2	9803.6	2255.4	9816.9	2257.2	9851.3
GR	2256.1	9885.7	2254.3	9924.0	2253.4	9931.6	2252.7	9975.7	2249.6	9998.7
GR	2249.9	10000.0	2253.9	10019.4	2259.2	10031.9	2262.5	10108.7	2264.0	10245.4
GR	2264.9	10275.1	2266.8	10292.0	2278.6	10327.5	2284.4	10343.5		
QT	2	10979	10979							
NC	.065	.065	.035							
ET			9.1						9945.70	10106.0
X1	37370	20	9945.7	10095.8	320.0	340.0	320.0			
GR	2280.5	9883.0	2277.1	9910.6	2270.1	9928.4	2261.2	9945.7	2258.8	9953.8
GR	2254.5	9965.3	2255.6	9988.8	2255.5	10000.0	2253.7	10015.2	2258.0	10027.5
GR	2257.8	10049.7	2258.7	10077.4	2261.1	10095.8	2265.3	10242.3	2267.6	10338.1
GR	2269.5	10452.6	2274.5	10580.0	2277.9	10603.0	2282.8	10627.0	2288.7	10655.7
ET			9.1						9969.80	10292.5
X1	37470	24	9969.8	10062.0	480.0	450.0	530.0			
GR	2291.1	9896.5	2290.6	9938.2	2289.0	9953.0	2262.3	9969.8	2258.6	9985.8
GR	2257.7	10000.0	2258.1	10012.8	2259.1	10035.3	2262.2	10048.8	2266.1	10062.0
GR	2266.9	10103.0	2266.6	10166.1	2265.9	10260.4	2266.3	10341.6	2264.7	10382.1
GR	2260.3	10388.8	2265.2	10404.5	2264.2	10427.8	2266.8	10465.3	2270.4	10536.4
GR	2272.5	10614.9	2271.5	10695.2	2272.3	10714.4	2291.6	10755.4		
ET			9.1						9968	10111
X1	37570	29	9963.9	10065.5	520.0	490.0	530.0			
GR	2288.3	9854.8	2285.0	9869.5	2279.9	9906.8	2277.7	9929.7	2277.1	9945.0
GR	2272.7	9963.9	2261.7	9980.4	2259.8	9997.9	2259.4	10000.0	2261.5	10019.5
GR	2264.2	10036.1	2269.2	10065.5	2268.1	10103.9	2268.3	10115.7	2271.2	10138.2
GR	2272.1	10251.7	2272.2	10346.5	2270.5	10409.2	2268.7	10437.4	2264.7	10454.1
GR	2268.4	10477.6	2268.3	10494.5	2271.0	10518.8	2271.7	10544.1	2273.3	10654.6
GR	2275.4	10681.4	2276.4	10711.4	2284.9	10728.5	2295.1	10749.3		
NC	.065	.065	.045							
ET			9.1						9923.40	10128.4
X1	37660	25	9923.4	10128.4	500.0	490.0	480.0			
GR	2292.6	9865.8	2281.1	9898.5	2277.9	9916.5	2272.8	9923.4	2272.1	9938.2
GR	2274.1	9953.3	2273.7	9966.6	2273.0	9976.8	2270.0	9990.3	2271.0	10000.0
GR	2272.5	10016.0	2275.2	10028.9	2271.1	10040.0	2271.1	10067.9	2271.2	10099.4
GR	2277.0	10128.4	2276.2	10187.4	2276.9	10241.7	2276.3	10298.4	2273.5	10347.9
GR	2270.6	10362.1	2272.2	10375.1	2276.2	10391.3	2295.3	10422.8	2300.8	10456.5
ET			9.1						9959.60	10186.4
X1	37750	27	9959.6	10186.4	450.0	450.0	480.0			
GR	2306.7	9883.0	2306.1	9905.4	2295.7	9928.7	2286.0	9948.9	2281.8	9959.6
GR	2281.5	9962.4	2279.8	9974.9	2276.5	9983.7	2278.5	10000.0	2279.4	10026.6
GR	2280.5	10040.3	2281.3	10069.7	2281.9	10101.8	2280.5	10113.8	2279.7	10140.2
GR	2280.2	10168.3	2280.9	10186.4	2284.8	10213.0	2284.2	10249.7	2280.1	10284.5
GR	2281.0	10315.9	2283.4	10337.5	2285.2	10361.7	2286.1	10378.6	2296.8	10406.7
	305.8	10432.4	2306.8	10444.5						

NC	.065	.065	.035							
ET			9.1						9917.10	10138.7
X1	37800	19	9917.1	10138.7	280.0	280.0	260.0			
GR	2308.0	9663.1	2300.0	9687.5	2295.0	9703.3	2292.9	9749.4	2288.7	9825.8
GR	2285.5	9917.1	2282.9	9958.8	2282.9	9974.8	2283.0	9992.8	2282.7	10000.0
GR	2283.0	10042.7	2283.0	10051.8	2283.0	10087.4	2284.8	10109.3	2287.3	10138.7
GR	2291.7	10191.9	2293.8	10237.0	2297.8	10272.5	2309.8	10312.6		
QT	2	27603	27603							
NC	.065	.065	.040							
ET			9.1						9828.11	10053.2
X1	37930	22	9928.9	10053.2	670.0	730.0	690.0			
GR	2305.7	9747.6	2302.6	9758.5	2292.7	9776.0	2292.2	9790.3	2293.5	9830.3
GR	2293.5	9844.3	2288.4	9858.8	2294.0	9880.3	2290.2	9928.9	2285.7	9945.0
GR	2286.6	9955.4	2284.3	9997.2	2283.7	10000.0	2285.8	10027.5	2285.9	10038.4
GR	2289.0	10053.2	2294.5	10084.7	2300.8	10109.7	2300.7	10163.2	2303.8	10175.0
GR	2305.6	10204.1	2312.1	10235.8						
ET			9.1						9954.50	10162.7
X1	38030	19	9954.5	10115.4	520.0	520.0	530.0			
GR	2319.3	9870.7	2306.3	9908.3	2301.7	9936.6	2297.8	9954.5	2296.7	9967.4
GR	2293.0	9986.7	2292.8	10000.0	2295.0	10048.7	2295.2	10059.4	2295.2	10092.6
GR	2298.3	10115.4	2301.3	10176.7	2302.9	10247.1	2305.1	10326.4	2306.7	10395.5
GR	2309.0	10449.0	2309.3	10497.9	2312.0	10517.9	2316.5	10544.1		
			9.1						9858.07	10185.6
NC	.065	.065	.06							
X1	38140	22	9953.8	10027.7	590.0	560.0	580.0			
GR	2321.8	9825.2	2306.5	9845.3	2301.8	9860.8	2302.6	9877.2	2303.5	9899.9
GR	2301.7	9918.9	2301.6	9927.9	2301.6	9953.8	2296.7	9961.9	2297.9	9978.2
GR	2295.1	10000.0	2294.5	10011.3	2301.8	10027.7	2304.5	10079.3	2307.7	10182.7
GR	2310.0	10285.7	2309.9	10306.6	2313.0	10342.2	2314.9	10414.3	2316.1	10486.3
GR	2316.9	10539.5	2316.6	10540.9						
NC	.065	.065	.045							
ET			9.1						9929.90	10180.1
X1	38250	19	9929.9	10111.7	470.0	390.0	580.0			
GR	2334.4	9876.6	2320.8	9907.0	2303.9	9929.9	2307.2	9949.2	2305.7	9963.9
GR	2305.4	9996.5	2305.5	10000.0	2305.9	10022.4	2305.2	10031.1	2304.0	10045.7
GR	2306.6	10077.4	2309.0	10111.7	2308.9	10137.3	2312.2	10267.6	2314.7	10359.8
GR	2315.7	10396.6	2318.1	10414.3	2330.4	10443.6	2337.7	10456.0		
NC	.065	.065	.04							
ET			9.1						9769.40	10064.8
X1	38320	20	9963.2	10064.8	360.0	400.0	370.0			
GR	2335.0	9707.6	2312.0	9751.6	2308.6	9773.9	2309.5	9791.2	2313.0	9822.9
GR	2314.4	9858.0	2312.7	9890.1	2315.2	9903.0	2314.5	9941.3	2315.8	9963.2
GR	2308.1	9976.4	2306.5	9997.2	2306.1	10000.0	2309.0	10028.8	2309.5	10037.9
GR	2313.3	10064.8	2313.8	10091.4	2323.4	10111.5	2338.6	10140.4	2340.8	10164.4

ET			9.1						9523.12	10050.1
X1	38430	17	9936.8	10050.1	480.0	590.0	580.0			
GR	2341.9	9426.7	2335.6	9449.4	2314.3	9490.7	2315.3	9515.5	2317.9	9568.5
GR	2320.3	9638.6	2320.5	9754.6	2319.8	9833.3	2320.9	9911.9	2320.4	9936.8
GR	2316.9	9968.5	2316.4	9981.3	2318.0	10000.0	2316.8	10036.8	2320.6	10050.1
GR	2346.3	10091.1	2347.3	10094.5						
ET			9.1						9651.39	10019.4
X1	38500	18	9949.5	10019.4	370.0	360.0	370.0			
GR	2339.5	9583.9	2321.1	9629.1	2319.8	9650.0	2322.9	9689.9	2327.4	9743.8
GR	2329.3	9775.1	2327.4	9821.6	2326.1	9858.2	2324.8	9917.4	2325.2	9919.3
GR	2322.9	9949.5	2318.7	9979.9	2314.9	9997.1	2315.6	10000.0	2315.6	10013.8
GR	2317.8	10019.4	2342.7	10054.2	2343.4	10055.5				
NC	.065	.065	.06							
ET			9.1						9830.36	10058.7
X1	38610	14	9997.1	10056.0	520.0	570.0	580.0			
GR	2351.5	9776.0	2332.6	9812.7	2332.8	9850.0	2332.5	9896.5	2329.9	9921.3
GR	2327.2	9952.3	2326.5	9974.3	2327.2	9977.0	2327.6	9997.1	2326.8	10000.0
GR	2323.7	10028.5	2324.0	10056.0	2343.4	10081.9	2358.5	10100.9		
NC	.065	.065	.045							
ET			9.1						9971.20	10198.7
X1	38710	15	9971.2	10046.3	530.0	470.0	530.0			
GR	2362.3	9935.3	2359.1	9942.1	2331.9	9971.2	2326.3	9993.5	2328.1	10000.0
GR	2328.2	10012.3	2330.7	10031.0	2334.6	10046.3	2336.1	10071.4	2336.7	10080.2
GR	2338.1	10135.2	2336.7	10219.7	2335.7	10235.8	2344.6	10255.9	2356.8	10267.4
NC	.065	.065	.040							
ET			9.1						9948.12	10152.3
X1	38790	16	9948.5	10093.4	430.0	390.0	422.0			
GR	2370.4	9870.2	2346.3	9905.9	2346.0	9922.8	2341.7	9948.5	2339.1	9957.8
GR	2337.6	9977.4	2337.9	10000.0	2338.2	10033.8	2338.8	10052.9	2339.7	10064.4
GR	2341.4	10093.4	2345.5	10136.5	2347.0	10168.7	2344.0	10201.8	2347.8	10223.2
GR	2356.0	10255.4								

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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2   100-YEAR FLOOD FREQUENCY MODEL  (ENCROACHMENT CONDITIONS)
T3   CAVE CREEK              (CC.MCE)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             3                                                    2148.87

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    15               -1
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THIS RUN EXECUTED 3/ 6/90 11:21:32

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HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -

****

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

CAVE CREEK

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	35490.000	28338.00	15.56	11.26	2137.80	.00	2149.06	2640.98	429.38	9675.76	9962.80	10089.60	10105.15
*	35490.000	28338.00	16.26	11.68	2137.80	.00	2149.48	2496.91	321.44	9768.16	9962.80	10089.60	10089.60
	35590.000	28338.00	14.25	15.26	2139.10	530.00	2154.36	3441.40	659.13	9380.71	9932.10	10031.40	10039.84
	35590.000	28338.00	12.88	16.28	2139.10	530.00	2155.38	3811.48	434.60	9596.80	9932.10	10031.40	10031.40
	35690.000	28338.00	13.40	12.37	2145.70	530.00	2158.07	3332.46	527.91	9590.59	9937.00	10050.00	10233.15
	35690.000	28338.00	14.71	12.57	2145.70	530.00	2158.27	3068.25	361.79	9755.33	9937.00	10050.00	10208.30
*	35770.000	28319.00	14.61	10.04	2152.80	450.00	2162.84	2612.78	544.44	9670.05	9931.10	10092.10	10214.49
*	35770.000	28319.00	15.60	10.38	2152.80	450.00	2163.18	2512.89	385.23	9805.57	9931.10	10092.10	10190.80
	35870.000	28319.00	14.22	11.39	2157.10	530.00	2168.49	2904.79	561.81	9702.06	9968.00	10120.80	10263.86
	35870.000	28319.00	14.31	12.09	2157.10	530.00	2169.19	3025.99	291.24	9928.56	9968.00	10120.80	10219.80
*	35960.000	28319.00	15.68	14.69	2159.30	480.00	2173.99	3967.44	492.17	9575.00	9929.70	10054.20	10067.17
*	35960.000	28319.00	16.71	14.64	2159.30	480.00	2173.94	3559.45	324.48	9729.72	9929.70	10054.20	10054.20
	36060.000	28319.00	14.74	16.93	2160.40	580.00	2177.33	4725.97	550.96	9502.08	9957.60	10048.30	10053.04
	36060.000	28319.00	13.93	17.93	2160.40	580.00	2178.33	4923.41	375.44	9672.86	9957.60	10048.30	10048.30
*	36180.000	28319.00	16.17	12.61	2169.50	630.00	2182.11	1841.28	246.89	9903.66	9957.10	10144.00	10150.55
*	36180.000	28319.00	17.09	12.57	2169.50	630.00	2182.07	1669.37	186.90	9957.10	9957.10	10144.00	10144.00
	36230.000	28319.00	12.90	13.85	2174.40	260.00	2188.25	2567.25	329.74	9949.41	9969.00	10130.40	10279.14
*	36230.000	28319.00	12.91	14.64	2174.40	260.00	2189.04	2617.99	257.90	9969.00	9969.00	10130.40	10226.90
*	36310.000	28319.00	19.97	14.96	2178.90	420.00	2193.86	2598.79	231.88	9826.02	9965.00	10027.10	10057.90
*	36310.000	28319.00	21.18	15.08	2178.90	420.00	2193.98	2464.85	174.02	9868.28	9965.00	10027.10	10042.30
	36400.000	28271.00	11.24	13.47	2188.30	480.00	2201.77	2856.27	321.51	9867.62	9876.40	10085.30	10189.13
	36400.000	28271.00	10.88	14.42	2188.30	480.00	2202.72	3031.69	223.80	9876.40	9876.40	10085.30	10100.20

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	36490.000	28271.00	15.11	13.12	2193.90	480.00	2207.02	2051.18	231.32	9915.50	9971.60	10114.10	10146.82
*	36490.000	28271.00	15.99	13.50	2193.90	480.00	2207.40	1983.59	182.76	9945.24	9971.60	10114.10	10128.00
*	36520.000	28271.00	18.65	16.38	2194.50	160.00	2210.88	1823.14	191.97	9879.49	9928.00	10011.70	10071.46
*	36520.000	28271.00	19.95	16.40	2194.50	160.00	2210.90	1707.07	146.88	9900.02	9928.00	10011.70	10046.90
*	36610.000	28271.00	12.81	18.63	2200.60	480.00	2219.23	3303.04	202.65	9898.55	9955.20	10031.10	10101.20
*	36610.000	28271.00	12.62	19.54	2200.60	480.00	2220.14	3469.17	162.64	9923.26	9955.20	10031.10	10085.90
	36690.000	28271.00	15.43	18.22	2203.90	380.00	2222.12	2579.54	201.97	9932.08	9957.00	10037.30	10134.05
	36690.000	28271.00	16.05	18.68	2203.90	380.00	2222.58	2529.71	153.00	9954.00	9957.00	10037.30	10107.00
	36780.000	28381.00	13.85	18.04	2209.90	480.00	2227.94	2740.78	188.36	9958.78	9976.30	10093.20	10147.15
	36780.000	28381.00	13.94	18.78	2209.90	480.00	2228.68	2815.37	149.28	9976.02	9976.30	10093.20	10125.30
*	36880.000	28381.00	20.56	16.64	2221.50	530.00	2238.14	1875.51	141.18	9902.10	9954.80	10023.30	10043.28
*	36880.000	28381.00	21.54	16.71	2221.50	530.00	2238.21	1794.87	108.94	9917.06	9954.80	10023.30	10026.00
*	36960.000	28381.00	9.47	20.22	2226.00	420.00	2246.22	4656.09	293.88	9903.01	9943.80	10059.80	10196.89
*	36960.000	28381.00	9.43	21.06	2226.00	420.00	2247.06	4821.84	227.01	9922.69	9943.80	10059.80	10149.70
	37010.000	28381.00	10.09	18.39	2229.00	260.00	2247.39	3712.93	456.36	9759.77	9935.40	10061.10	10216.12
	37010.000	28381.00	10.47	19.08	2229.00	260.00	2248.08	3694.11	239.75	9829.95	9935.40	10061.10	10069.70
	080.000	28381.00	11.39	13.81	2235.80	370.00	2249.61	3032.72	298.88	9902.19	9947.80	10081.60	10201.07
	37080.000	28381.00	11.27	14.57	2235.80	370.00	2250.37	3039.31	203.40	9947.80	9947.80	10081.60	10151.20
*	37120.000	28381.00	17.42	17.23	2233.70	210.00	2250.93	1783.50	230.27	9965.35	9969.00	10060.60	10195.63
*	37120.000	28381.00	17.59	17.95	2233.70	210.00	2251.65	1788.32	194.90	9969.00	9969.00	10060.60	10163.90
*	37200.000	28381.00	12.75	15.90	2243.10	420.00	2259.00	2763.02	269.20	9831.32	9978.70	10095.80	10100.52
*	37200.000	28381.00	12.62	16.68	2243.10	420.00	2259.78	2777.68	197.07	9898.73	9978.70	10095.80	10095.80
	37270.000	28381.00	10.56	15.99	2246.70	370.00	2262.69	3169.97	426.23	9741.45	9937.00	10027.70	10167.68
	37270.000	28381.00	11.02	16.71	2246.70	370.00	2263.41	3157.00	265.35	9766.35	9937.00	10027.70	10031.70
	37310.000	28381.00	12.71	14.54	2249.60	210.00	2264.14	2658.87	463.54	9786.76	9885.70	10031.90	10250.30
	37310.000	28381.00	13.05	15.21	2249.60	210.00	2264.81	2695.98	237.36	9807.04	9885.70	10031.90	10044.40
	37370.000	10979.00	6.44	13.50	2253.70	320.00	2267.20	3346.87	387.40	9934.04	9945.70	10095.80	10321.43
	37370.000	10979.00	6.63	14.31	2253.70	320.00	2268.01	3327.45	160.30	9945.70	9945.70	10095.80	10106.00
*	37470.000	10979.00	12.00	10.10	2257.70	530.00	2267.80	1532.97	518.76	9966.34	9969.80	10062.00	10485.10
*	37470.000	10979.00	12.82	10.51	2257.70	530.00	2268.21	1423.95	322.70	9969.80	9969.80	10062.00	10292.50
*	37570.000	10979.00	13.12	11.42	2259.40	530.00	2270.82	1300.39	288.12	9966.73	9963.90	10065.50	10517.15
	37570.000	10979.00	13.81	11.88	2259.40	530.00	2271.28	1288.32	143.00	9968.00	9963.90	10065.50	10111.00
*	37660.000	10979.00	10.98	6.54	2270.00	480.00	2276.54	851.53	375.37	9918.34	9923.40	10128.40	10391.86
	60.000	10979.00	11.31	7.13	2270.00	480.00	2277.13	885.40	205.00	9923.40	9923.40	10128.40	10128.40

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	37750.000	10979.00	10.25	7.73	2276.50	480.00	2284.23	902.15	356.29	9953.42	9959.60	10186.40	10348.63
	37750.000	10979.00	10.78	8.13	2276.50	480.00	2284.63	896.12	226.80	9959.60	9959.60	10186.40	10186.40
*	37800.000	10979.00	11.37	5.24	2282.70	260.00	2287.94	1077.09	298.94	9847.49	9917.10	10138.70	10146.43
*	37800.000	10979.00	11.75	5.19	2282.70	260.00	2287.89	1024.98	221.60	9917.10	9917.10	10138.70	10138.70
*	37930.000	27603.00	16.60	13.11	2283.70	690.00	2296.81	3016.95	325.15	9768.73	9928.90	10053.20	10093.88
*	37930.000	27603.00	17.55	13.32	2283.70	690.00	2297.02	2773.17	225.09	9828.11	9928.90	10053.20	10053.20
*	38030.000	27603.00	15.55	11.89	2292.80	530.00	2304.69	2998.44	393.21	9918.24	9954.50	10115.40	10311.44
*	38030.000	27603.00	17.14	11.60	2292.80	530.00	2304.40	2596.26	208.20	9954.50	9954.50	10115.40	10162.70
	38140.000	27603.00	11.90	16.78	2294.50	580.00	2311.28	3278.11	483.44	9839.02	9953.80	10027.70	10322.46
	38140.000	27603.00	11.29	17.75	2294.50	580.00	2312.25	3608.90	327.53	9858.07	9953.80	10027.70	10185.60
	38250.000	27603.00	13.89	10.91	2303.90	580.00	2314.81	2805.35	448.78	9915.12	9929.90	10111.70	10363.90
	38250.000	27603.00	14.58	11.31	2303.90	580.00	2315.21	2643.55	250.20	9929.90	9929.90	10111.70	10180.10
*	38320.000	27603.00	17.18	12.55	2306.10	370.00	2318.65	2622.97	362.69	9738.87	9963.20	10064.80	10101.56
*	38320.000	27603.00	17.76	13.02	2306.10	370.00	2319.12	2527.00	295.40	9769.40	9963.20	10064.80	10064.80
	38430.000	27603.00	11.67	11.03	2314.30	580.00	2325.33	3361.41	588.31	9469.33	9936.80	10050.10	10057.64
	38430.000	27603.00	11.69	11.88	2314.30	580.00	2326.18	3495.27	526.98	9523.12	9936.80	10050.10	10050.10
	38500.000	27603.00	17.66	15.48	2314.90	370.00	2330.38	3033.97	430.67	9606.31	9949.50	10019.40	10036.98
*	38500.000	27603.00	17.66	16.21	2314.90	370.00	2331.11	2813.81	368.01	9651.39	9949.50	10019.40	10019.40
*	38610.000	27603.00	18.14	13.02	2323.70	580.00	2336.72	1972.08	268.29	9804.70	9997.10	10056.00	10072.99
	38610.000	27603.00	17.05	14.01	2323.70	580.00	2337.71	2213.18	228.34	9830.36	9997.10	10056.00	10058.70
*	38710.000	27603.00	17.40	17.06	2326.30	530.00	2343.36	2967.60	294.15	9958.94	9971.20	10046.30	10253.09
	38710.000	27603.00	17.72	17.60	2326.30	530.00	2343.90	2714.30	227.50	9971.20	9971.20	10046.30	10198.70
*	38790.000	27603.00	16.13	11.40	2337.60	422.00	2349.00	2973.52	326.02	9901.90	9948.50	10093.40	10227.92
*	38790.000	27603.00	17.48	11.38	2337.60	422.00	2348.98	2740.63	204.18	9948.12	9948.50	10093.40	10152.30

: CREEK

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	35490.000	28338.00	2149.06	.00	.00	.00	9962.80	10089.60	.00	115.14	2151.84	.00
*	35490.000	28338.00	2149.48	.42	.00	9768.16	9962.80	10089.60	10089.60	128.81	2152.74	.91
	35590.000	28338.00	2154.36	.00	5.30	.00	9932.10	10031.40	.00	67.81	2156.47	.00
*	35590.000	28338.00	2155.38	1.01	5.89	9596.80	9932.10	10031.40	10031.40	55.28	2157.14	.67
	35690.000	28338.00	2158.07	.00	3.70	.00	9937.00	10050.00	.00	72.31	2160.01	.00
	35690.000	28338.00	2158.27	.21	2.90	9755.33	9937.00	10050.00	10208.30	85.30	2160.80	.79
*	35770.000	28319.00	2162.84	.00	4.77	.00	9931.10	10092.10	.00	117.48	2165.38	.00
*	35770.000	28319.00	2163.18	.34	4.90	9805.57	9931.10	10092.10	10190.80	127.00	2166.28	.90
	35870.000	28319.00	2168.49	.00	5.65	.00	9968.00	10120.80	.00	95.04	2170.94	.00
	35870.000	28319.00	2169.19	.69	6.01	9928.56	9968.00	10120.80	10219.80	87.58	2171.84	.90
*	35960.000	28319.00	2173.99	.00	5.49	.00	9929.70	10054.20	.00	50.95	2177.17	.00
*	35960.000	28319.00	2173.94	-.05	4.75	9729.72	9929.70	10054.20	10054.20	63.30	2177.76	.59
	060.000	28319.00	2177.33	.00	3.34	.00	9957.60	10048.30	.00	35.91	2179.69	.00
	060.000	28319.00	2178.33	1.00	4.39	9672.86	9957.60	10048.30	10048.30	33.08	2180.49	.80
*	36180.000	28319.00	2182.11	.00	4.78	.00	9957.10	10144.00	.00	236.55	2186.01	.00
*	36180.000	28319.00	2182.07	-.04	3.74	9957.10	9957.10	10144.00	10144.00	287.77	2186.61	.59
	36230.000	28319.00	2188.25	.00	6.14	.00	9969.00	10130.40	.00	121.68	2190.45	.00
*	36230.000	28319.00	2189.04	.79	6.97	9969.00	9969.00	10130.40	10226.90	117.01	2191.35	.90
*	36310.000	28319.00	2193.86	.00	5.61	.00	9965.00	10027.10	.00	118.74	2198.16	.00
*	36310.000	28319.00	2193.98	.12	4.94	9868.28	9965.00	10027.10	10042.30	132.00	2199.06	.90
	36400.000	28271.00	2201.77	.00	7.91	.00	9876.40	10085.30	.00	97.97	2203.63	.00
	36400.000	28271.00	2202.72	.95	8.74	9876.40	9876.40	10085.30	10100.20	86.96	2204.53	.90
	36490.000	28271.00	2207.02	.00	5.24	.00	9971.60	10114.10	.00	189.97	2210.22	.00
*	36490.000	28271.00	2207.40	.38	4.67	9945.24	9971.60	10114.10	10128.00	203.13	2211.12	.90
*	36520.000	28271.00	2210.88	.00	3.86	.00	9928.00	10011.70	.00	240.46	2215.40	.00
*	36520.000	28271.00	2210.90	.03	3.51	9900.02	9928.00	10011.70	10046.90	274.27	2216.30	.90
*	36610.000	28271.00	2219.23	.00	8.36	.00	9955.20	10031.10	.00	73.26	2221.32	.00
*	36610.000	28271.00	2220.14	.90	9.23	9923.26	9955.20	10031.10	10085.90	66.41	2222.22	.90
	36690.000	28271.00	2222.12	.00	2.88	.00	9957.00	10037.30	.00	120.12	2225.13	.00
	36690.000	28271.00	2222.58	.46	2.44	9954.00	9957.00	10037.30	10107.00	124.89	2226.03	.89
	36780.000	28381.00	2227.94	.00	5.82	.00	9976.30	10093.20	.00	107.23	2230.65	.00
	36780.000	28381.00	2228.68	.74	6.10	9976.02	9976.30	10093.20	10125.30	101.62	2231.52	.87

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	36880.000	28381.00	2238.14	.00	10.20	.00	9954.80	10023.30	.00	228.99	2243.79	.00
*	36880.000	28381.00	2238.21	.06	9.52	9917.06	9954.80	10023.30	10026.00	250.03	2244.69	.90
*	36960.000	28381.00	2246.22	.00	8.07	.00	9943.80	10059.80	.00	37.15	2247.36	.00
*	36960.000	28381.00	2247.06	.84	8.86	9922.69	9943.80	10059.80	10149.70	34.64	2248.26	.90
	37010.000	28381.00	2247.39	.00	1.17	.00	9935.40	10061.10	.00	58.43	2248.65	.00
	37010.000	28381.00	2248.08	.69	1.02	9829.95	9935.40	10061.10	10069.70	59.03	2249.55	.90
	37080.000	28381.00	2249.61	.00	2.23	.00	9947.80	10081.60	.00	87.58	2251.40	.00
	37080.000	28381.00	2250.37	.75	2.29	9947.80	9947.80	10081.60	10151.20	87.20	2252.29	.89
*	37120.000	28381.00	2250.93	.00	1.31	.00	9969.00	10060.60	.00	253.23	2254.80	.00
*	37120.000	28381.00	2251.65	.73	1.29	9969.00	9969.00	10060.60	10163.90	251.86	2255.70	.90
*	37200.000	28381.00	2259.00	.00	8.08	.00	9978.70	10095.80	.00	105.51	2261.13	.00
*	37200.000	28381.00	2259.78	.78	8.13	9898.73	9978.70	10095.80	10095.80	104.40	2262.02	.90
	37270.000	28381.00	2262.69	.00	3.68	.00	9937.00	10027.70	.00	80.16	2264.07	.00
	37270.000	28381.00	2263.41	.73	3.63	9766.35	9937.00	10027.70	10031.70	80.82	2264.98	.91
	37310.000	28381.00	2264.14	.00	1.46	.00	9885.70	10031.90	.00	113.94	2266.25	.00
	37310.000	28381.00	2264.81	.67	1.40	9807.04	9885.70	10031.90	10044.40	110.82	2267.15	.90
	370.000	10979.00	2267.20	.00	3.06	.00	9945.70	10095.80	.00	10.76	2267.78	.00
	37370.000	10979.00	2268.01	.81	3.20	9945.70	9945.70	10095.80	10106.00	10.89	2268.68	.90
*	37470.000	10979.00	2267.80	.00	.60	.00	9969.80	10062.00	.00	51.29	2269.62	.00
*	37470.000	10979.00	2268.21	.41	.20	9969.80	9969.80	10062.00	10292.50	59.45	2270.51	.90
*	37570.000	10979.00	2270.82	.00	3.01	.00	9963.90	10065.50	.00	71.28	2273.14	.00
	37570.000	10979.00	2271.28	.47	3.07	9968.00	9963.90	10065.50	10111.00	72.62	2274.13	.99
*	37660.000	10979.00	2276.54	.00	5.72	.00	9923.40	10128.40	.00	166.24	2278.22	.00
*	37660.000	10979.00	2277.13	.59	5.85	9923.40	9923.40	10128.40	10128.40	153.76	2279.12	.90
	37750.000	10979.00	2284.23	.00	7.69	.00	9959.60	10186.40	.00	148.10	2285.70	.00
	37750.000	10979.00	2284.63	.40	7.49	9959.60	9959.60	10186.40	10186.40	150.10	2286.43	.73
*	37800.000	10979.00	2287.94	.00	3.71	.00	9917.10	10138.70	.00	103.90	2289.91	.00
*	37800.000	10979.00	2287.89	-.05	3.26	9917.10	9917.10	10138.70	10138.70	114.74	2290.03	.13
*	37930.000	27603.00	2296.81	.00	8.87	.00	9928.90	10053.20	.00	83.71	2300.40	.00
*	37930.000	27603.00	2297.02	.20	9.13	9828.11	9928.90	10053.20	10053.20	99.07	2301.30	.90
*	38030.000	27603.00	2304.69	.00	7.87	.00	9954.50	10115.40	.00	84.75	2308.04	.00
*	38030.000	27603.00	2304.40	-.29	7.38	9954.50	9954.50	10115.40	10162.70	113.04	2308.74	.69
	38140.000	27603.00	2311.28	.00	6.60	.00	9953.80	10027.70	.00	70.90	2312.71	.00
	40.000	27603.00	2312.25	.97	7.86	9858.07	9953.80	10027.70	10185.60	58.50	2313.61	.91

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
	38250.000	27603.00	2314.81	.00	3.53	.00	9929.90	10111.70	.00	96.81	2317.34	.00
	38250.000	27603.00	2315.21	.40	2.95	9929.90	9929.90	10111.70	10180.10	109.03	2318.24	.90
*	38320.000	27603.00	2318.65	.00	3.84	.00	9963.20	10064.80	.00	110.75	2321.78	.00
*	38320.000	27603.00	2319.12	.47	3.91	9769.40	9963.20	10064.80	10064.80	119.32	2322.68	.90
	38430.000	27603.00	2325.33	.00	6.67	.00	9936.80	10050.10	.00	67.43	2326.49	.00
	38430.000	27603.00	2326.18	.86	7.06	9523.12	9936.80	10050.10	10050.10	62.37	2327.39	.90
*	38500.000	27603.00	2330.38	.00	5.05	.00	9949.50	10019.40	.00	82.77	2333.34	.00
*	38500.000	27603.00	2331.11	.73	4.93	9651.39	9949.50	10019.40	10019.40	96.23	2334.24	.90
*	38610.000	27603.00	2336.72	.00	6.35	.00	9997.10	10056.00	.00	195.91	2340.20	.00
	38610.000	27603.00	2337.71	.99	6.60	9830.36	9997.10	10056.00	10058.70	155.55	2340.91	.71
*	38710.000	27603.00	2343.36	.00	6.63	.00	9971.20	10046.30	.00	86.52	2346.70	.00
	38710.000	27603.00	2343.90	.55	6.19	9971.20	9971.20	10046.30	10198.70	103.42	2347.59	.89
*	38790.000	27603.00	2349.00	.00	5.65	.00	9948.50	10093.40	.00	86.17	2352.54	.00
*	38790.000	27603.00	2348.98	-.02	5.08	9948.12	9948.50	10093.40	10152.30	101.44	2353.45	.90

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=  35490.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35490.000  PROFILE=  2  CRITICAL DEPTH ASSUMED

WARNING SECNO=  35590.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  35770.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35770.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35770.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  35960.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  35960.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  35960.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  35960.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  36180.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36180.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36180.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36180.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  36230.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36310.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36310.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36310.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=  36490.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36520.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36520.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36520.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=  36610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36610.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  36880.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  36880.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  36960.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36960.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO=  37120.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37120.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  37200.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37200.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  37470.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37470.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  37470.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  37470.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37470.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  37570.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37570.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=  37660.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  37660.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=  37800.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37800.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  37800.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37800.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  37930.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
  ON SECNO=  37930.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
  JN SECNO=  37930.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  37930.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  38030.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38030.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  38030.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  38030.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38030.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  38320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38320.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  38320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38320.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  38500.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38500.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  38500.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  38500.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  38500.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  38500.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=  38610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=  38710.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

  N SECNO=  38790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
  ION SECNO=  38790.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  38790.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  38790.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
```

ON SECNO= 38790.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA, CAVE CREEK
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
35490.000	321.	2157.	13.1	2149.5	2149.1	.4
35590.000	435.	3233.	8.8	2155.4	2154.4	1.0
35690.000	453.	2513.	11.3	2158.3	2158.1	.2
35770.000	385.	2338.	12.1	2163.2	2162.8	.4
35870.000	291.	2417.	11.7	2169.2	2168.5	.7
35960.000	324.	2270.	12.5	2173.9	2174.0	-.1
36060.000	375.	3291.	8.6	2178.3	2177.3	1.0
36180.000	187.	1657.	17.1	2182.1	2182.1	.0
36230.000	258.	2418.	11.7	2189.0	2188.3	.7
36310.000	174.	1828.	15.5	2194.0	2193.9	.1
36400.000	224.	2644.	10.7	2202.7	2201.8	.9
36490.000	183.	1870.	15.1	2207.4	2207.0	.4
36520.000	147.	1561.	18.1	2210.9	2210.9	.0
36610.000	163.	2497.	11.3	2220.1	2219.2	.9
36690.000	153.	1979.	14.3	2222.6	2222.1	.5
[illegible].000	149.	2135.	13.3	2228.7	2227.9	.8
[illegible].000	109.	1422.	20.0	2238.2	2238.1	.1
36960.000	227.	3348.	8.5	2247.1	2246.2	.9
37010.000	240.	2996.	9.5	2248.1	2247.4	.7
37080.000	203.	2548.	11.1	2250.4	2249.6	.8
37120.000	195.	1814.	15.6	2251.7	2250.9	.8
37200.000	197.	2390.	11.9	2259.8	2259.0	.8
37270.000	265.	2879.	9.9	2263.4	2262.7	.7
37310.000	237.	2396.	11.8	2264.8	2264.1	.7
37370.000	160.	1705.	6.4	2268.0	2267.2	.8
37470.000	323.	1189.	9.2	2268.2	2267.8	.4
37570.000	143.	886.	12.4	2271.3	2270.8	.5
37660.000	205.	971.	11.3	2277.1	2276.5	.6
37750.000	227.	1019.	10.8	2284.6	2284.2	.4
37800.000	222.	934.	11.8	2287.9	2287.9	.0
37930.000	225.	1889.	14.6	2297.0	2296.8	.2
38030.000	208.	1753.	15.7	2304.4	2304.7	-.3
38140.000	328.	3194.	8.6	2312.3	2311.3	1.0
38250.000	250.	2091.	13.2	2315.2	2314.8	.4
38320.000	295.	2163.	12.8	2319.1	2318.7	.4
38430.000	527.	3616.	7.6	2326.2	2325.3	.9
38500.000	368.	2529.	10.9	2331.1	2330.4	.7
38610.000	228.	2056.	13.4	2337.7	2336.7	1.0
38710.000	227.	2115.	13.0	2343.9	2343.4	.5
38790.000	204.	1759.	15.7	2349.0	2349.0	.0

```
*****************************************************
* WATER SURFACE PROFILES                            *
* VERSION OF SEPTEMBER 1988                         *
* ERROR: 01,02,03                                   *
* UPDATED: SEPTEMBER 1989                           *
* RUN DATE     2/26/90    TIME    16: 0:36          *
*****************************************************
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```
*************************************
* U.S. ARMY CORPS OF ENGINEERS
* THE HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616-4687
*          (916) 756-1104
*************************************
```

CW. OUT

100 YR CWSEL 2-27-90 DES

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 2/26/90 16: 0:36

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1      FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2      10-YEAR FLOOD FREQUENCY MODEL
T3      COTTONWOOD WASH (CW.DAT) STA 0.00 - 4.58


J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              2                        .008516                                2286.5  0

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    1                  -1


.ARIABLE CODES FOR SUMMARY PRINTOUT

    38       1       43       8       55       26       56       13       14       15
     4       5       51     150


QT       4     5952     9253    10956    14038

NC     .05      .05      .03       .1       .3

        *******REVISED STREAMFLOWS FROM CVCRK43R.OUT***********
        STARTING STATION IS FROM CAVE CREEK, SEC.37.80 (CC.OUT)
        SECTION 000 = SECTION 37.84 OF CAVE CREEK
        Q AT CPB
X1   37800      19   9917.1  10138.7
GR  2308.0  9663.1   2300.0   9687.5   2295.0   9703.3   2292.9   9749.4   2288.7   9825.8
GR  2285.5  9917.1   2282.9   9958.8   2282.9   9974.8   2283.0   9992.8   2282.7  10000.0
GR  2283.0 10042.7   2283.0  10051.8   2283.0  10087.4   2284.8  10109.3   2287.3  10138.7
GR  2291.7 10191.9   2293.8  10237.0   2297.8  10272.5   2309.8  10312.6


X1     130      18   9985.9  10038.5     860      920      890
GR  2320.2  9881.7   2312.5   9894.8   2297.7   9913.1   2299.0   9947.7   2299.6   9961.4
GR  2299.5  9978.6   2299.5   9985.9   2297.1   9992.8   2297.1  10000.0   2297.2  10020.3
GR  2298.0 10025.6   2300.5  10038.5   2300.5  10046.9   2302.4  10056.1   2309.8  10064.3
GR  2312.1 10086.7   2313.4  10105.6   2313.4  10106.3
```

NC	.05	.05	.045							
X1	220	21	9875.9	10095.2	480	490	480			
GR	2331.6	9824.6	2321.2	9849.7	2309.7	9875.9	2307.6	9900.8	2306.1	9915.5
GR	2309.8	9934.2	2310.8	9953.6	2308.2	9963.9	2307.2	9982.9	2304.7	9998.6
GR	2305.3	10000.0	2307.1	10015.3	2308.7	10037.5	2308.2	10059.9	2306.1	10071.0
GR	2311.9	10095.2	2322.2	10110.7	2326.5	10124.0	2327.9	10144.1	2329.8	10172.5
GR	2331.7	10188.9								
NC	.05	.05	.03							
X1	320	22	9972.3	10024.3	540	530	530			
GR	2335.7	9563.4	2332.1	9593.1	2327.7	9652.4	2324.3	9720.9	2321.4	9797.3
GR	2321.4	9821.3	2320.4	9878.2	2317.8	9916.5	2318.3	9950.4	2318.8	9972.3
GR	2317.2	9983.7	2314.0	9991.6	2314.1	10000.0	2314.1	10011.0	2325.6	10024.3
GR	2324.6	10025.0	2341.8	10039.0	2343.8	10057.4	2344.8	10089.1	2343.8	10127.8
GR	2343.4	10133.8	2343.4	10202.4						
X1	450	16	9948.5	10027.5	680	710	690			
GR	2347.2	9814.4	2338.8	9835.8	2335.9	9874.1	2331.6	9918.2	2330.5	9948.5
GR	2327.9	9965.9	2327.2	9987.6	2326.7	10000.0	2326.9	10016.8	2330.7	10027.5
GR	2334.9	10033.2	2347.5	10051.5	2356.1	10068.7	2360.1	10096.5	2360.6	10132.3
	2362.4	10144.2								
NC	.05	.05	.04							
X1	510	14	9979.9	10013.9	320	320	320			
GR	2366.6	9955.6	2349.7	9971.3	2334.2	9979.9	2333.3	9982.5	2332.2	9996.2
GR	2332.5	10000.0	2333.9	10013.9	2334.8	10022.2	2337.5	10040.6	2346.3	10053.9
GR	2358.9	10066.0	2362.1	10080.8	2363.1	10100.8	2364.4	10117.1		
NC	.05	.05	.04							
X1	570	14	9986.1	10036.9	330	340	320			
GR	2374.7	9953.4	2355.5	9975.6	2345.0	9986.1	2340.3	9997.9	2341.2	10000.0
GR	2343.6	10013.0	2345.3	10036.9	2345.2	10040.7	2344.8	10061.8	2342.4	10073.0
GR	2350.4	10095.3	2357.1	10116.6	2366.2	10136.8	2368.3	10143.2		
NC	.06	.06	.035							
X1	660	15	9966.0	10052.6	460	490	480			
GR	2402.5	9862.6	2385.6	9897.8	2369.7	9926.1	2360.8	9943.8	2354.1	9966.0
GR	2352.3	9983.8	2351.3	9996.5	2351.2	10000.0	2351.9	10012.1	2353.2	10025.0
GR	2354.9	10052.6	2359.0	10102.2	2361.0	10137.8	2366.1	10165.5	2376.0	10186.3

X1	690	18	9948.4	10026.0	160	160	160			
GR	2391.6	9878.0	2382.9	9908.6	2379.3	9920.0	2365.2	9940.0	2360.2	9948.4
GR	2357.5	9972.2	2355.2	9986.2	2354.4	9992.9	2353.9	9999.1	2353.8	10000.0
GR	2355.0	10011.9	2358.7	10026.0	2370.5	10045.7	2375.0	10066.6	2374.9	10079.6
GR	2371.4	10097.7	2371.4	10108.6	2373.5	10131.0				
NC	.065	.065	.035							
X1	790	31	9681.2	9769.8	540	520	530			
GR	2394.3	9610.6	2384.9	9629.5	2384.2	9647.3	2379.6	9657.8	2378.9	9665.6
GR	2374.3	9681.2	2370.2	9693.4	2369.0	9700.8	2367.1	9710.1	2368.0	9720.3
GR	2369.4	9734.9	2370.2	9759.4	2371.7	9769.8	2372.1	9802.9	2373.6	9844.7
GR	2373.5	9887.5	2373.7	9926.4	2373.1	9964.0	2372.1	9978.0	2369.7	9992.1
GR	2369.6	10000.0	2372.1	10022.1	2374.2	10038.7	2375.0	10069.3	2375.6	10092.5
GR	2376.8	10110.9	2379.7	10161.8	2383.1	10196.6	2385.1	10207.9	2397.7	10240.4
GR	2413.2	10262.1								
X1	870	25	9973.2	10018.7	430	410	420			
GR	2400.0	9909.4	2397.7	9940.7	2393.2	9960.2	2388.6	9970.2	2382.9	9973.2
GR	2376.4	9985.0	2375.8	9998.7	2376.0	10000.0	2376.9	10009.9	2379.2	10018.7
GR	2379.7	10044.7	2380.5	10048.3	2379.3	10077.2	2377.4	10098.7	2375.8	10112.7
GR	2378.9	10144.6	2380.5	10178.8	2381.7	10209.7	2385.0	10244.4	2391.7	10269.7
	2402.0	10285.4	2403.0	10301.1	2415.2	10312.5	2422.5	10335.8	2426.0	10349.3
X1	940	23	9952.3	10017.3	360	390	370			
GR	2412.5	9623.9	2403.0	9641.2	2392.8	9658.5	2391.0	9672.9	2391.3	9706.1
GR	2390.8	9749.6	2390.8	9787.6	2389.4	9810.1	2386.0	9829.1	2387.7	9865.8
GR	2389.0	9909.9	2389.0	9952.3	2387.7	9973.8	2386.7	9975.8	2383.7	9991.8
GR	2382.8	9999.4	2382.4	10000.0	2384.5	10010.9	2397.5	10017.3	2413.8	10042.3
GR	2425.6	10068.4	2432.1	10100.3	2435.3	10112.8				
X1	1030	17	9989.2	10026.4	460	480	500			
GR	2412.8	9888.8	2413.2	9928.8	2411.4	9951.0	2404.9	9971.0	2394.0	9989.2
GR	2392.7	10000.0	2393.4	10010.7	2395.2	10026.4	2395.4	10032.8	2397.0	10057.8
GR	2398.3	10087.5	2401.4	10114.0	2402.3	10145.0	2405.9	10179.8	2409.6	10205.2
GR	2420.4	10233.0	2429.2	10259.8						
QT	4	5905	9202	10925	14016					
NC	.065	.065	.04							
	Q AT 11A									
X1	1140	11	9974.5	10031.1	600	560	580			
GR	2433.3	9918.7	2418.1	9946.7	2410.1	9974.4	2409.6	9974.5	2407.8	9989.5
	2406.0	10000.0	2407.7	10014.5	2409.4	10031.1	2416.3	10068.2	2423.4	10101.6
	2422.9	10116.0								

NC	.06	.06	.035							
X1	1230	14	9980.6	10011.2	480	510	480			
GR	2451.2	9951.9	2432.5	9970.8	2423.2	9980.6	2420.2	9993.8	2418.1	10000.0
GR	2420.9	10011.2	2424.4	10038.4	2427.6	10050.5	2438.3	10072.1	2444.5	10091.2
GR	2448.6	10119.4	2453.0	10134.0	2462.5	10153.9	2468.0	10161.3		
NC	.06	.06	.05							
X1	1340	13	9993.6	10030.5	580	580	580			
GR	2468.0	9949.2	2460.9	9971.4	2451.6	9982.9	2447.7	9993.6	2440.1	10000.0
GR	2441.4	10013.5	2446.0	10030.5	2447.3	10035.7	2453.0	10065.5	2457.7	10088.8
GR	2463.0	10113.9	2466.3	10144.3	2467.3	10151.4				
NC	.065	.065	.045							
X1	1400	19	9984.8	10016.9	330	310	320			
GR	2472.9	9836.1	2469.6	9884.7	2467.2	9904.2	2460.8	9927.4	2456.0	9940.2
GR	2454.5	9950.5	2458.0	9959.1	2457.1	9970.9	2455.7	9984.8	2451.8	9993.9
GR	2450.1	9999.4	2449.9	10000.0	2452.4	10016.9	2452.8	10021.1	2454.3	10041.6
GR	2455.3	10058.7	2461.8	10077.8	2470.4	10104.1	2477.0	10129.3		
	.065	.065	.04							
X1	1540	12	9989.0	10025.5	710	770	740			
GR	2487.9	9904.8	2484.0	9935.2	2475.1	9950.4	2471.0	9970.3	2467.6	9989.0
GR	2466.2	10000.0	2467.8	10012.3	2469.7	10025.5	2471.0	10026.9	2480.2	10054.0
GR	2493.4	10082.3	2497.6	10097.4						
X1	1630	12	9975.9	10013.3	480	470	480			
GR	2507.8	9912.2	2503.5	9929.9	2490.5	9949.1	2481.7	9969.5	2478.6	9975.9
GR	2476.4	9987.3	2476.0	9997.1	2476.6	10000.0	2477.4	10013.3	2483.0	10024.5
GR	2495.0	10044.0	2501.6	10065.8						
NC	.065	.065	.035							
X1	1740	16	9958.6	10022.4	590	570	580			
GR	2521.5	9859.1	2504.9	9886.6	2496.0	9901.1	2496.2	9913.6	2492.2	9926.1
GR	2493.9	9937.4	2495.2	9958.6	2491.8	9971.6	2493.3	9978.9	2492.1	9991.1
GR	2490.1	10000.0	2492.0	10012.6	2499.2	10022.4	2511.8	10048.6	2521.7	10066.1
GR	2522.3	10076.5								

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QT      4      5127      7963      9424      12075

NC    .065      .065       .05

        Q AT 12A
X1    1850         9    9993.6   10034.4       590       580       580
GR  2544.9    9950.8    2533.3    9973.2    2529.4    9980.8    2519.3    9993.6    2515.5   10000.0
GR  2515.9   10015.2    2518.3   10034.4    2527.4   10052.0    2534.4   10069.9


NC    .065      .065      .045

X1    1970        11    9974.5   10020.5       600       660       630
GR  2563.8    9915.3    2552.8    9938.8    2544.6    9955.0    2542.1    9974.5    2540.7    9992.0
GR  2539.7   10000.0    2541.5   10020.5    2540.0   10038.4    2542.2   10049.2    2546.8   10078.5
GR  2566.1   10106.6


NC    .065      .065      .045

X1    2070        12    9984.3   10018.2       500       560       530
GR  2603.6    9956.6    2583.7    9971.2    2565.8    9984.3    2565.4    9987.0    2565.2    9994.1
GR  2565.9   10000.0    2566.2   10018.2    2569.5   10027.8    2573.0   10046.0    2584.7   10068.8
GR  2591.4   10090.1    2591.4   10092.1


X1    2120        10    9964.9   10020.1       310       260       260
GR  2605.9    9939.0    2579.8    9964.9    2579.1    9976.0    2579.1   10000.0    2580.1   10020.1
GR  2583.1   10031.1    2585.8   10037.0    2595.9   10064.9    2600.4   10092.8    2602.0   10101.0


NC     .06       .06      .045

X1    2190        16    9975.8   10032.2       380       360       370
GR  2610.6    9888.1    2607.1    9916.7    2604.9    9952.6    2595.6    9970.7    2595.4    9975.8
GR  2592.7    9992.0    2592.0   10000.0    2592.4   10016.7    2593.4   10032.2    2594.3   10070.9
GR  2596.3   10092.5    2599.4   10110.9    2603.9   10127.9    2606.7   10148.0    2605.3   10160.2
GR  2610.9   10166.4


X1    2300        15    9946.2   10019.9       580       580       580
GR  2632.5    9858.8    2628.7    9890.3    2625.5    9919.6    2622.6    9934.2    2614.4    9946.2
GR  2613.4    9960.2    2613.3    9973.9    2612.9    9998.3    2612.7   10000.0    2613.2   10018.8
GR  2614.8   10019.9    2627.6   10038.3    2637.4   10053.3    2645.3   10074.3    2648.9   10085.6


X1    2400        15    9976.2   10021.6       560       500       530
GR  2655.2    9884.8    2650.2    9907.3    2636.9    9929.8    2628.9    9948.8    2629.5    9965.1
GR  2629.7    9976.2    2628.2    9997.5    2628.2   10000.0    2627.9   10012.7    2629.1   10021.6
GR  2634.8   10038.3    2641.8   10056.3    2647.8   10069.7    2648.8   10078.7    2648.0   10085.4
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NC	.06	.06	.05							
X1	2470	15	9955.2	10027.0	360	380	370			
GR	2672.3	9802.6	2658.6	9829.3	2650.5	9858.5	2648.0	9893.7	2645.8	9929.5
GR	2643.2	9955.2	2643.4	9963.9	2643.2	9984.8	2641.9	9995.5	2641.7	10000.0
GR	2643.3	10022.0	2645.8	10027.0	2658.5	10040.7	2667.0	10073.2	2669.0	10079.1
NC	.065	.065	.045							
X1	2580	12	9988.8	10032.0	580	580	580			
GR	2700.0	9860.0	2678.3	9889.3	2666.1	9918.3	2666.1	9944.2	2667.2	9972.0
GR	2667.5	9988.8	2665.7	10000.0	2665.5	10016.4	2666.0	10032.0	2676.7	10059.8
GR	2696.4	10093.8	2698.4	10098.5						
QT	4	746	1154	1366	1747					
	Q AT 14A									
X1	2710	12	9967.9	10054.1	670	710	690			
GR	2716.8	9927.8	2699.5	9954.6	2695.4	9967.9	2696.0	9975.9	2696.5	10000.0
GR	2697.7	10025.3	2696.6	10039.6	2704.1	10054.1	2711.4	10074.0	2717.0	10094.4
GR	2726.3	10115.7	2731.0	10129.4						
[illegible]	2790	15	9980.8	10022.7	420	420	420			
GR	2741.6	9934.8	2727.4	9965.5	2717.3	9980.8	2714.5	9990.8	2714.6	10000.0
GR	2716.6	10022.7	2716.2	10032.7	2716.2	10057.0	2717.2	10070.0	2725.3	10088.5
GR	2737.0	10110.7	2749.7	10131.9	2760.3	10151.8	2766.1	10165.0	2768.6	10175.6
NC	.07	.07	.05							
X1	2850	12	9987.5	10009.3	300	300	320			
GR	2758.0	9918.5	2743.0	9944.6	2734.7	9964.0	2731.4	9987.5	2729.9	9988.0
GR	2728.9	10000.0	2729.4	10009.3	2740.3	10020.5	2751.5	10035.9	2761.9	10049.2
GR	2767.6	10066.0	2769.5	10081.3						
X1	2910	13	9984.7	10031.3	350	300	320			
GR	2775.4	9939.8	2764.0	9969.8	2756.6	9984.7	2746.1	9993.9	2745.5	9999.8
GR	2746.6	10000.0	2748.0	10013.1	2748.5	10031.3	2750.0	10062.2	2752.2	10095.4
GR	2755.9	10113.1	2761.2	10127.0	2771.3	10148.0				
NC	.06	.06	.05							
X1	3010	13	9970.9	10036.0	520	540	530			
GR	2803.0	9902.0	2797.3	9929.6	2789.5	9946.9	2782.0	9970.9	2778.7	9983.0
GR	2780.0	9995.2	2779.1	10000.0	2779.3	10022.1	2777.9	10034.8	2778.8	10036.0
[illegible]	2783.0	10057.4	2793.0	10075.4	2802.1	10094.0				

NC	.05	.05	.05							
X1	3080	14	9976.1	10020.5	350	390	370			
GR	2825.0	9941.7	2810.8	9962.7	2801.4	9975.3	2800.7	9976.1	2797.0	9992.8
GR	2798.3	10000.0	2800.0	10020.5	2800.1	10022.8	2799.9	10039.7	2807.3	10053.4
GR	2811.5	10074.6	2815.4	10106.4	2818.3	10131.5	2820.2	10140.1		
NC	.08	.08	.05							
X1	3150	11	9980.3	10009.6	380	360	370			
GR	2844.4	9904.3	2831.1	9932.0	2824.0	9963.3	2821.8	9980.3	2821.1	9994.3
GR	2818.6	10000.0	2822.4	10009.6	2825.5	10020.6	2836.9	10036.2	2846.2	10051.9
GR	2855.7	10066.5								
NC	.08	.08	.06							
X1	3210	15	9994.8	10021.0	310	330	320			
GR	2859.5	9880.8	2853.8	9909.2	2848.7	9939.6	2846.9	9958.6	2843.9	9983.9
GR	2839.3	9994.8	2837.8	10000.0	2837.6	10009.2	2838.8	10021.0	2839.0	10036.2
GR	2839.8	10041.6	2844.2	10060.5	2850.0	10080.4	2858.1	10100.2	2861.3	10105.8
	.07	.07	.045							
X1	3320	12	9975.2	10014.2	590	570	580			
GR	2901.4	9871.8	2887.9	9899.7	2875.3	9930.8	2873.4	9952.3	2873.0	9975.2
GR	2871.6	9981.0	2869.5	9995.1	2869.3	10000.0	2870.1	10008.5	2880.8	10014.2
GR	2889.3	10028.2	2908.7	10058.2						
NC	.065	.065	.045							
X1	3410	14	9989.8	10022.2	500	460	480			
GR	2922.3	9911.9	2906.0	9934.0	2900.7	9943.7	2895.5	9958.3	2895.4	9982.0
GR	2894.5	9989.8	2891.6	9997.7	2891.0	10000.0	2891.1	10008.8	2896.8	10022.2
GR	2899.0	10023.5	2904.5	10040.0	2916.3	10057.7	2928.7	10073.8		
X1	3480	11	9993.9	10015.1	390	350	370			
GR	2945.2	9907.9	2930.1	9934.8	2919.9	9960.1	2914.3	9974.0	2912.7	9993.9
GR	2910.2	10000.0	2910.3	10006.0	2917.2	10015.1	2926.4	10024.0	2938.9	10040.7
GR	2939.5	10041.0								
NC	.065	.065	.05							
X1	3530	17	9985.0	10017.3	250	270	260			
GR	2964.3	9895.8	2952.4	9924.7	2947.3	9951.6	2944.2	9964.0	2938.0	9971.0
	2935.8	9985.0	2933.9	9990.7	2932.8	10000.0	2934.3	10009.7	2936.5	10017.3
	2935.0	10029.7	2937.5	10045.9	2939.9	10063.0	2943.6	10074.3	2950.0	10093.4
GR	2957.3	10110.7	2962.6	10116.7						

X1	3610	9	9991.1	10005.6	420	420	420			
GR	2986.6	9923.5	2969.9	9950.8	2961.6	9964.8	2958.7	9991.1	2956.6	10000.0
GR	2956.4	10005.6	2973.5	10015.9	2976.7	10016.1	2992.8	10029.4		
NC	.06	.06	.05							
X1	3710	12	9990.2	10012.0	540	520	530			
GR	3019.2	9933.9	3001.9	9963.5	2995.3	9976.8	2989.9	9990.2	2988.4	9998.5
GR	2989.9	10000.0	2990.3	10012.0	2991.7	10028.9	2996.5	10051.5	3001.1	10070.6
GR	3009.8	10096.7	3012.3	10104.3						
NC	.05	.05	.045							
X1	3790	10	9990.8	10013.5	420	410	420			
GR	3037.9	9921.2	3025.7	9959.6	3017.3	9975.3	3013.8	9990.8	3011.1	10000.0
GR	3010.0	10000.0	3013.5	10013.5	3018.5	10016.8	3036.8	10040.7	3049.0	10054.4
NC	.065	.065	.05							
X1	3920	11	9999.5	10013.7	720	660	690			
	3088.0	9919.5	3076.4	9947.5	3061.6	9972.3	3057.3	9982.8	3053.6	9999.5
	3052.9	10000.0	3052.2	10007.1	3056.2	10013.7	3060.4	10020.8	3074.7	10033.6
GR	3080.9	10044.7								
X1	4010	14	9995.2	10015.5	470	490	480			
GR	3119.1	9900.2	3101.8	9923.9	3090.0	9946.6	3087.7	9951.9	3088.7	9965.2
GR	3090.0	9976.8	3088.6	9995.2	3086.2	10000.0	3086.8	10012.5	3089.1	10015.5
GR	3096.0	10021.4	3103.4	10036.5	3111.6	10052.8	3113.2	10053.9		
NC	.06	.06	.045							
X1	4080	13	9985.8	10008.3	390	350	370			
GR	3147.4	9905.9	3138.5	9936.4	3130.6	9963.5	3126.1	9980.0	3119.6	9985.8
GR	3110.6	9995.4	3109.6	10000.0	3114.7	10008.3	3117.0	10019.8	3117.0	10029.8
GR	3127.6	10046.1	3137.4	10061.9	3139.6	10066.5				
NC	.06	.06	.06							
X1	4170	10	9993.0	10013.7	450	510	480			
GR	3181.1	9949.4	3165.2	9969.2	3161.7	9979.0	3153.2	9993.0	3150.8	10000.0
GR	3151.8	10005.0	3159.0	10013.7	3170.3	10025.5	3183.1	10049.6	3186.6	10055.5

NC	.05	.05	.05							
X1	4260	10	9983.6	10007.2	500	460	480			
GR	3216.9	9907.8	3205.7	9940.0	3198.3	9962.6	3196.7	9983.6	3196.0	9997.2
GR	3194.1	10000.0	3194.4	10007.2	3204.9	10015.0	3221.7	10034.1	3229.3	10039.7
NC	.05	.05	.045							
X1	4340	11	9981.4	10013.8	420	420	420			
GR	3266.5	9946.5	3242.8	9969.5	3231.4	9981.4	3224.7	9993.9	3223.7	9998.7
GR	3224.1	10000.0	3227.6	10013.8	3230.6	10030.0	3237.3	10056.0	3244.6	10076.2
GR	3247.9	10079.1								
NC	.06	.06	.05							
X1	4450	11	9985.8	10011.8	580	580	580			
GR	3307.0	9924.1	3295.0	9947.0	3292.8	9968.2	3292.8	9979.2	3287.9	9985.8
GR	3283.4	10000.0	3281.5	10004.1	3286.8	10011.8	3289.0	10016.3	3296.7	10032.0
GR	3306.3	10056.7								
X1	4520	9	9984.2	10010.6	380	360	370			
	3344.3	9934.1	3333.2	9961.4	3323.8	9984.2	3316.8	9994.9	3316.8	10000.0
	3318.4	10010.6	3319.3	10021.0	3324.1	10043.2	3329.5	10059.2		

```
 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 1

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
        *******REVISED STREAMFLOWS FROM CVCRK43R.OUT***********
        STARTING STATION IS FROM CAVE CREEK, SEC.37.80 (CC.OUT)
        SECTION 000 = SECTION 37.84 OF CAVE CREEK
        Q AT CPB
37800.000     3.80  2286.50  2286.43  2286.50  2287.87     1.37      .00      .00  2285.50
    5952.      25.    5927.       0.      14.     630.       0.       0.       0.   2287.30
      .00     1.72     9.41      .00     .050     .030     .000     .000  2282.70  9888.57
  .008470       0.       0.       0.        0        4        0      .00   240.72 10129.29


*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
     PROBABLE MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
  130.000     5.85  2302.95  2302.95      .00  2304.99     2.03     7.61      .20  2299.50
    5952.    2155.    3643.     154.     310.     268.      35.      13.       4.   2300.50
      .02     6.95    13.59     4.45     .050     .030     .050     .000  2297.10  9906.61
  .008735     860.     890.     920.       20       14        0      .00   150.10 10056.71


*SECNO 220.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  220.000     6.12  2310.82  2310.82      .00  2312.30     1.48     6.33      .06  2309.70
    5952.       4.    5948.       0.       1.     609.       0.      19.       6.   2311.90
      .04     2.83     9.77      .00     .050     .045     .000     .000  2304.70  9873.36
  .022139     480.     480.     490.       14        8        0      .00   217.32 10090.68


*SECNO 320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  320.000     8.34  2322.34  2322.34      .00  2323.92     1.58     5.43      .03  2318.80
    5952.    2252.    3700.       0.     469.     302.       0.      28.       9.   2325.60
      .05     4.80    12.24      .00     .050     .030     .000     .000  2314.00  9772.49
     :844     540.     530.     530.        5       11        0      .00   248.04 10020.53
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 450.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  450.000     6.76  2333.46  2333.46      .00  2335.77     2.31     4.24      .22  2330.50
    5952.     355.    5584.      13.      91.     445.       5.       38.      12.  2330.70
      .07     3.91    12.55     2.57     .050     .030     .050     .000  2326.70  9899.13
  .006507     680.     690.     710.      20       15        0      .00   132.11 10031.25


*SECNO 510.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  CRITICAL DEPTH ASSUMED
  .000     8.92  2341.12  2341.12      .00  2344.35     3.24     2.68      .28  2334.20
    5952.      59.    4391.    1502.      13.     277.     157.      42.      13.  2333.90
      .07     4.44    15.84     9.54     .050     .040     .050     .000  2332.20  9976.06
  .011209     320.     320.     320.      20       11        0      .00    70.00 10046.07


*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  570.000     8.70  2349.00  2349.00      .00  2351.36     2.36     4.08      .09  2345.00
    5952.      36.    3941.    1975.       8.     287.     220.      46.      13.  2345.30
      .08     4.45    13.74     8.98     .050     .040     .050     .000  2340.30  9982.10
  .014093     330.     320.     340.      20        8        0      .00   109.30 10091.40


*SECNO 660.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  660.000     6.92  2358.12  2358.12      .00  2360.39     2.27     5.47      .01  2354.10
    5952.      99.    5647.     206.      27.     455.      63.      51.      15.  2354.90
      .09     3.71    12.40     3.28     .060     .035     .060     .000  2351.20  9952.68
    ?359     460.     480.     490.       3       15        0      .00   138.86 10091.54
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   CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 690.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  690.000     8.42  2362.22  2362.22      .00  2365.02     2.81     1.56      .16  2360.20
    5952.       8.    5910.      34.       3.     438.      10.      53.      15.   2358.70
      .10     2.27    13.49     3.29     .060     .035     .060     .000  2353.80  9945.01
  .010207     160.     160.     160.       20       11        0      .00    86.86 10031.87


*SECNO 790.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
  [illegible].000     7.18  2374.28  2374.28      .00  2375.67     1.39     4.90      .14  2374.30
    5952.       0.    4433.    1519.       0.     411.     430.      61.      18.   2371.70
      .11      .00    10.78     3.53     .000     .035     .065     .000  2367.10  9681.27
  .008453     540.     530.     520.       20       15        0      .00   360.30 10041.58


*SECNO 870.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  870.000     6.25  2382.05  2382.05      .00  2383.56     1.50     4.23      .03  2382.90
    5952.       0.    2735.    3217.       0.     209.     554.      69.      21.   2379.20
      .13      .00    13.07     5.81     .000     .035     .065     .000  2375.80  9974.74
  .012482     430.     420.     410.       20       12        0      .00   238.69 10213.42


*SECNO 940.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
```

.CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
940.000	8.71	2391.11	2391.11	.00	2392.60	1.50	4.07	.00	2389.00
5952.	2168.	3784.	0.	471.	321.	0.	75.	23.	2397.50
.14	4.61	11.81	.00	.065	.035	.000	.000	2382.40	9672.06
.009571	360.	370.	390.	20	14	0	.00	303.59	10014.15

*SECNO 1030.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1030.000	8.51	2401.21	2401.21	.00	2403.69	2.48	4.33	.29	2394.00
5952.	191.	4139.	1622.	43.	281.	305.	83.	25.	2395.20
.15	4.40	14.74	5.31	.065	.035	.065	.000	2392.70	9977.16
.008203	460.	500.	480.	20	5	0	.00	135.24	10112.39

O 1140.000
20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
Q AT 11A

1140.000	8.72	2414.72	2414.72	.00	2417.50	2.78	5.42	.09	2409.60
5905.	151.	5411.	344.	37.	389.	76.	91.	27.	2409.40
.16	4.03	13.92	4.52	.065	.040	.065	.000	2406.00	9958.42
.010862	600.	580.	560.	20	5	0	.00	101.27	10059.69

*SECNO 1230.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1230.000	10.86	2428.96	2428.96	.00	2432.22	3.27	4.75	.15	2423.20
5905.	67.	4307.	1531.	17.	263.	209.	96.	28.	2420.90
.17	3.81	16.40	7.32	.060	.035	.060	.000	2418.10	9974.53
.008879	480.	480.	510.	20	11	0	.00	78.71	10053.24

*SECNO 1340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3720 CRITICAL DEPTH ASSUMED

1340.000	11.87	2451.97	2451.97	.00	2455.21	3.24	6.65	.00	2447.70
5905.	128.	5219.	558.	25.	344.	85.	102.	29.	2446.00
.18	5.15	15.19	6.59	.060	.050	.060	.000	2440.10	9982.44
.015386	580.	580.	580.	20	8	0	.00	77.66	10060.11

*SECNO 1400.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1400.000	9.19	2459.09	2459.09	.00	2461.28	2.19	4.72	.10	2455.70
5905.	699.	3362.	1844.	132.	233.	235.	106.	30.	2452.40
.19	5.28	14.43	7.83	.065	.045	.065	.000	2449.90	9931.96
.014298	330.	320.	310.	4	19	0	.00	137.88	10069.84

O 1540.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1540.000	9.48	2475.68	2475.68	.00	2478.67	2.99	9.12	.24	2467.60
5905.	1194.	4538.	173.	172.	295.	40.	116.	32.	2469.70
.20	6.95	15.40	4.37	.065	.040	.065	.000	2466.20	9949.41
.010728	710.	740.	770.	12	8	0	.00	91.27	10040.68

*SECNO 1630.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1630.000	9.61	2485.61	2485.61	.00	2489.14	3.53	5.05	.16	2478.60
5905.	296.	5193.	417.	53.	326.	66.	121.	32.	2477.40
.21	5.61	15.92	6.30	.065	.040	.065	.000	2476.00	9960.44
.010344	480.	480.	470.	20	5	0	.00	68.30	10028.74

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 :NO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 1740.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1740.000     8.09  2498.19  2498.19      .00  2500.50     2.32     6.13      .12  2495.20
    5905.    1236.     4669.       0.     215.     348.       0.     128.      34.   2499.20
      .23     5.75     13.41      .00     .065     .035     .000     .000  2490.10  9897.54
  .010750     590.      580.     570.       20       15        0      .00   123.49 10021.02


*SECNO 1850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
 CRITICAL DEPTH ASSUMED
     Q AT 12A
 1850.000     8.92  2524.42  2524.42      .00  2527.83     3.41     7.74      .33  2519.30
    5127.      80.     4833.     214.      17.     318.      36.     134.      35.   2518.30
      .24     4.83     15.20     5.91     .065     .050     .065     .000  2515.50  9987.11
  .017594     590.      580.     580.       20        8        0      .00    59.12 10046.23


*SECNO 1970.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1970.000     6.35  2546.05  2546.05      .00  2548.16     2.11    11.41      .13  2542.10
    5127.     319.     3218.    1590.      55.     240.     195.     140.      36.   2541.50
      .25     5.84     13.43     8.14     .065     .045     .065     .000  2539.70  9952.14
  .018397     600.      630.     660.       17       19        0      .00   121.55 10073.70


*SECNO 2070.000

3301 HV CHANGED MORE THAN HVINS
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2070.000     8.81  2574.01  2574.01      .00  2577.13     3.12     8.18      .30  2565.80
    5127.     115.    4261.     751.      25.     279.     110.     146.      37.   2566.20
      .26     4.68    15.26     6.81     .065     .045     .065     .000  2565.20  9978.29
  .012874     500.     530.     560.       20       11        0      .00    69.67 10047.96


*SECNO 2120.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2120.000     6.46  2585.56  2585.56      .00  2588.34     2.78     3.66      .03  2579.80
    5127.      75.    4731.     322.      16.     343.      50.     148.      38.   2580.10
      .27     4.54    13.81     6.41     .065     .045     .065     .000  2579.10  9959.19
  .015350     310.     260.     260.       20       15        0      .00    77.29 10036.47


  ) 2190.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2190.000     5.82  2597.82  2597.82      .00  2599.72     1.90     6.01      .09  2595.40
    5127.      83.    3436.    1608.      17.     275.     215.     152.      39.   2593.40
      .28     5.01    12.49     7.47     .060     .045     .060     .000  2592.00  9966.37
  .017392     380.     370.     360.       20       11        0      .00   135.17 10101.55


*SECNO 2300.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2300.000     5.86  2618.56  2618.56      .00  2621.09     2.53     9.90      .19  2614.40
    5127.      58.    5025.      44.      13.     390.      10.     158.      40.   2614.80
      .29     4.60    12.88     4.28     .060     .045     .060     .000  2612.70  9940.11
  .016745     580.     580.     580.       20        5        0      .00    85.20 10025.31
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 2400.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2400.000     6.25  2634.15  2634.15      .00  2636.50     2.35     9.17      .02  2629.70
    5127.    1420.     3488.     219.     164.     253.      37.     164.      41.   2629.10
      .30     8.66     13.77     5.88     .060     .045     .060     .000  2627.90  9936.33
  .017629     560.      530.     500.       15        8        0      .00   100.06 10036.39


*SECNO 2470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2470.000     6.30  2648.00  2648.00      .00  2649.91     1.91     6.61      .04  2643.20
    5127.     834.     4285.       8.     130.     364.       3.     168.      42.   2645.80
      .31     6.44     11.78     2.91     .060     .050     .060     .000  2641.70  9893.66
  .018294     360.      370.     380.       20        5        0      .00   135.72 10029.38


 O 2580.000
 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2580.000     4.94  2670.44  2670.44      .00  2672.34     1.90    11.62      .00  2667.50
    5127.    2373.     2613.     141.     292.     195.      26.     174.      44.   2666.00
      .33     8.14     13.37     5.51     .065     .045     .065     .000  2665.50  9908.00
  .022040     580.      580.     580.       14       15        0      .00   135.53 10043.52


*SECNO 2710.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 14A
 2710.000     2.64  2698.04  2698.04      .00  2698.75      .71    15.63      .12  2695.40
     746.       52.      694.       0.      11.     101.       0.     179.      46.   2704.10
      .36     4.58      6.89      .00     .065     .045     .000     .000  2695.40  9959.32
  .029411     670.      690.     710.       20       11        0      .00    83.07 10042.39
```

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 :CNO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 2790.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2790.000     2.85  2717.35  2717.35      .00  2718.06      .71    10.48      .00  2717.30
     746.       0.     591.     155.       0.      80.      46.     180.      47.   2716.60
      .37      .03     7.39     3.37     .000     .045     .065     .000  2714.50  9980.72
  .021434     420.     420.     420.        8        8        0      .00    89.62 10070.34


*SECNO 2850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2850.000     3.77  2732.67  2732.67      .00  2734.09     1.43     7.07      .22  2731.40
     746.      13.     713.      20.       6.      73.       5.     181.      47.   2729.40
      .38     2.37     9.78     3.59     .070     .050     .070     .000  2728.90  9978.49
     3173     300.     320.     300.       20       11        0      .00    34.17 10012.66


*SECNO 2910.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2910.000     4.27  2749.77  2749.77      .00  2750.67      .90     7.85      .05  2756.60
     746.       0.     704.      42.       0.      90.      17.     182.      48.   2748.50
      .40      .00     7.82     2.53     .000     .050     .070     .000  2745.50  9990.69
  .026119     350.     320.     300.       14        8        0      .00    66.74 10057.42


*SECNO 3010.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3010.000     2.88  2780.78  2780.78      .00  2781.57      .79    15.47      .01  2782.00
     746.       0.     702.      44.       0.      97.      10.     183.      48.   2778.80
      .42      .00     7.27     4.39     .000     .050     .060     .000  2777.90  9975.39
  .032740     520.     530.     540.       12       19        0      .00    70.68 10046.07
```

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 3080.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3080.000	3.81	2800.81	2800.81	.00	2801.65	.84	10.85	.02	2800.70
746.	0.	680.	66.	0.	89.	16.	184.	49.	2800.00
.43	.05	7.61	4.08	.050	.050	.050	.000	2797.00	9975.98
.026205	350.	370.	390.	13	11	0	.00	65.40	10041.38

*SECNO 3150.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3150.000	4.96	2823.56	2823.56	.00	2824.72	1.16	9.38	.10	2821.80
746.	32.	709.	5.	12.	80.	2.	185.	49.	2822.40
.44	2.66	8.85	1.98	.080	.050	.080	.000	2818.60	9966.68
.024554	380.	370.	360.	20	11	0	.00	47.04	10013.72

) 3210.000
MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3210.000	3.03	2840.63	2840.63	.00	2841.61	.99	9.48	.02	2839.30
746.	5.	577.	163.	2.	66.	34.	186.	50.	2838.80
.45	2.55	8.70	4.75	.080	.060	.080	.000	2837.60	9991.65
.036192	310.	320.	330.	10	14	0	.00	53.50	10045.16

*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3320.000	3.60	2872.90	2872.90	.00	2874.15	1.25	17.10	.08	2873.00
746.	0.	746.	0.	0.	83.	0.	187.	50.	2880.80
.47	.00	8.97	.00	.000	.045	.000	.000	2869.30	9975.60
.024551	590.	580.	570.	4	11	0	.00	34.39	10009.99

*SECNO 3410.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3410.000	4.12	2895.12	2895.12	.00	2896.46	1.34	10.99	.03	2894.50
746.	3.	743.	0.	2.	80.	0.	188.	51.	2896.80
.49	1.52	9.31	.00	.065	.045	.000	.000	2891.00	9984.45
.021386	500.	480.	460.	10	8	0	.00	33.80	10018.25

```
 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*SECNO 3480.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3480.000     4.85  2915.05  2915.05      .00  2916.25     1.20     7.15      .01  2912.70
    746.      125.     621.      0.      31.      66.      0.      188.      51.   2917.20
     .50     3.97     9.47     .00     .065     .045     .000     .000  2910.20  9972.14
  .017374     390.     370.     350.      20       11       0      .00    40.12 10012.26

*SECNO 3530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3530.000     3.90  2936.70  2936.70      .00  2937.66      .95     5.12      .02  2935.80
    746.        5.     673.     68.       3.      82.      21.     189.      51.   2936.50
     .51     2.00     8.19     3.20     .065     .050     .065     .000  2932.80  9979.26
  .022564     250.     260.     270.      20       15       0      .00    61.47 10040.73

 SECNO 3610.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3610.000     4.90  2961.30  2961.30      .00  2962.66     1.36     8.54      .12  2958.70
    746.      113.     607.     26.      31.      59.       7.     190.      52.   2956.40
     .52     3.68    10.21     3.63     .065     .050     .065     .000  2956.40  9967.49
  .018413     420.     420.     420.      20       12       0      .00    41.06 10008.55

*SECNO 3710.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3710.000     4.17  2992.57  2992.57      .00  2993.61     1.04    10.94      .03  2989.90
    746.       39.     569.    139.       9.      63.      28.     191.      52.   2990.30
     .54     4.36     9.01     4.91     .060     .050     .060     .000  2988.40  9983.58
  .023288     540.     530.     520.      20       15       0      .00    49.42 10032.99

*SECNO 3790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 .CNO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
 3790.000     5.30  3015.30  3015.30      .00  3016.75     1.45     9.08      .12  3013.80
    746.       17.     726.       3.       5.     74.       1.      192.      53.   3013.50
     .55      3.43     9.79     2.65     .050     .045     .050     .000  3010.00  9984.15
  .020196     420.     420.     410.       20       11        0      .00    30.54 10014.69


*SECNO 3920.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3920.000     5.18  3057.38  3057.38      .00  3058.71     1.33    14.19      .01  3053.60
    746.      162.     582.       2.      32.     57.       1.      193.      53.   3056.20
     .57      5.02    10.15     2.09     .065     .050     .065     .000  3052.20  9982.61
  .020746     720.     690.     660.       20        8        0      .00    33.09 10015.69


*SECNO 4010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
     PROBABLE MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
 4010.000     3.88  3090.08  3090.08      .00  3090.95      .87     9.50      .05  3088.60
    746.      203.     542.       1.      55.     64.       0.      195.      54.   3089.10
     .59      3.73     8.46     1.48     .065     .050     .065     .000  3086.20  9946.44
  .019093     470.     480.     490.       20       19        0      .00    69.90 10016.34


*SECNO 4080.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4080.000     6.12  3115.72  3115.72      .00  3117.47     1.75     7.70      .27  3119.60
    746.        0.     740.       6.       0.     69.       3.      195.      54.   3114.70
     .60       .00    10.67     2.33     .000     .045     .060     .000  3109.60  9989.94
  .022457     390.     370.     350.       20       14        0      .00    23.43 10013.38


*SECNO 4170.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 :CNO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
 4170.000     5.42  3156.22  3156.22      .00  3157.92     1.69    13.49      .01  3153.20
    746.       42.     704.       0.       8.      66.       0.     196.      55.   3159.00
     .61      5.60    10.66      .00     .060     .060     .000     .000  3150.80  9988.02
  .036300     450.     480.     510.       20       11        0      .00    22.33 10010.35


*SECNO 4260.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4260.000     4.49  3198.59  3198.59      .00  3199.58      .99    12.52      .07  3196.70
    746.      101.     614.      31.      23.      72.       7.     197.      55.   3194.40
     .63      4.38     8.57     4.82     .050     .050     .050     .000  3194.10  9961.71
  .019551     500.     480.     460.       20       12        0      .00    48.60 10010.31


 :NO 4340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4340.000     4.87  3228.57  3228.57      .00  3229.93     1.36     8.54      .11  3231.40
    746.        0.     739.       7.       0.      79.       3.     198.      55.   3227.60
     .64       .00     9.40     2.64     .000     .045     .050     .000  3223.70  9986.68
  .021155     420.     420.     420.       20        8        0      .00    32.37 10019.05


*SECNO 4450.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4450.000     6.10  3287.60  3287.60      .00  3289.11     1.50    14.26      .04  3287.90
    746.        0.     745.       1.       0.      76.       1.     199.      56.   3286.80
     .66       .00     9.85     2.13     .000     .050     .060     .000  3281.50  9986.74
  .028912     580.     580.     580.       20       11        0      .00    26.71 10013.44


*SECNO 4520.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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ECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3720 CRITICAL DEPTH ASSUMED

4520.000	3.98	3320.78	3320.78	.00	3321.95	1.17	9.68	.03	3323.80
746.	0.	612.	134.	0.	66.	25.	200.	56.	3318.40
.67	.00	9.26	5.34	.000	.050	.060	.000	3316.80	9988.82
.023878	380.	370.	360.	20	14	0	.00	39.02	10027.84

FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2 50-YEAR FLOOD FREQUENCY MODEL
T3 COTTONWOOD WASH (CW.DAT) STA 0.00 - 4.58

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3			.008157				2287.48	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							

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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 2

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
3720 CRITICAL DEPTH ASSUMED
        *******REVISED STREAMFLOWS FROM CVCRK43R.OUT***********
        STARTING STATION IS FROM CAVE CREEK, SEC.37.80 (CC.OUT)
        SECTION 000 = SECTION 37.84 OF CAVE CREEK
        Q AT CPB
37800.000     4.78  2287.48  2287.48  2287.48  2289.26     1.78      .00      .00  2285.50
    9253.     148.    9105.       0.      56.     844.       0.       0.       0.   2287.30
      .00     2.64    10.79      .54     .050     .030     .050     .000  2282.70  9860.52
  .007985       0.       0.       0.       0        4        0      .00   280.40 10140.91


*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

 20 TRIALS ATTEMPTED WSEL,CWSEL
 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  130.000     7.25  2304.35  2304.35      .00  2307.02     2.67     7.29      .27  2299.50
    9253.    3498.    5386.     369.     422.     342.      61.      17.       4.   2300.50
      .02     8.29    15.77     6.04     .050     .030     .050     .000  2297.10  9904.88
  .008516     860.     890.     920.       20       14        0      .00   153.38 10058.26


*SECNO 220.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  220.000     7.08  2311.78  2311.78      .00  2313.76     1.97     6.04      .07  2309.70
    9253.      20.    9233.       0.       5.     818.       0.      27.       6.   2311.90
      .03     4.11    11.29      .00     .050     .045     .000     .000  2304.70  9871.16
  .020415     480.     480.     490.       12        5        0      .00   223.55 10094.71


*SECNO 320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
320.000	9.52	2323.52	2323.52	.00	2325.42	1.90	5.56	.01	2318.80
9253.	4211.	5042.	0.	724.	360.	0.	38.	10.	2325.60
.05	5.82	14.00	.00	.050	.030	.000	.000	2314.00	9741.33
.006335	540.	530.	530.	5	11	0	.00	280.57	10021.90

*SECNO 450.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

450.000	8.43	2335.13	2335.13	.00	2338.02	2.89	4.23	.30	2330.50
9253.	941.	8266.	47.	188.	577.	13.	53.	13.	2330.70
.06	5.01	14.33	3.49	.050	.030	.050	.000	2326.70	9881.98
.005993	680.	690.	710.	20	11	0	.00	151.55	10033.54

*O 510.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

510.000	11.19	2343.39	2343.39	.00	2347.58	4.19	2.51	.39	2334.20
9253.	123.	6464.	2666.	23.	355.	235.	58.	14.	2333.90
.07	5.24	18.23	11.37	.050	.040	.050	.000	2332.20	9974.80
.010687	320.	320.	320.	20	11	0	.00	74.71	10049.51

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	10.36	2350.66	2350.66	.00	2353.73	3.07	3.86	.11	2345.00
9253.	87.	5858.	3308.	16.	371.	314.	63.	15.	2345.30
.07	5.42	15.78	10.53	.050	.040	.050	.000	2340.30	9980.44
.013176	330.	320.	340.	20	11	0	.00	115.70	10096.13

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 660.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  660.000     8.64  2359.84  2359.84      .00  2362.56     2.71     4.87      .04  2354.10
    9253.      237.    8365.     651.      55.     605.     150.      71.      16.   2354.90
      .08     4.34    13.83     4.35     .060     .035     .060     .000  2351.20  9946.97
  .007985     460.     480.     490.        4       15        0      .00   170.22 10117.19


*SECNO 690.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  690.000    10.35  2364.15  2364.15      .00  2367.82     3.67     1.36      .29  2360.20
    9253.      44.    9106.     103.      13.     588.      25.      74.      17.   2358.70
      .09     3.36    15.48     4.16     .060     .035     .060     .000  2353.80  9941.76
  .009074     160.     160.     160.      20       11        0      .00    93.33 10035.10


*SECNO 790.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  790.000     8.26  2375.36  2375.36      .00  2376.95     1.59     4.50      .21  2374.30
    9253.       2.    6122.    3129.       2.     508.     749.      85.      20.   2371.70
      .10     1.30    12.06     4.18     .065     .035     .065     .000  2367.10  9677.60
  .008003     540.     530.     520.      20       16        0      .00   405.71 10083.31


*SECNO 870.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  870.000     7.23  2383.03  2383.03      .00  2385.06     2.03     4.35      .13  2382.90
    9253.       0.    3918.    5335.       0.     253.     748.      96.      23.   2379.20
      .11      .03    15.48     7.13     .065     .035     .065     .000  2375.80  9973.13
  .014313     430.     420.     410.      20       15        0      .00   250.54 10223.67
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  940.000     9.89  2392.29  2392.29      .00  2393.96     1.66     4.23      .04  2389.00
    9253.    4086.    5167.       0.     805.     394.       0.     105.      25.   2397.50
      .12     5.07    13.10      .00     .065     .035     .000     .000  2382.40  9662.55
 .009176     360.     370.     390.       20       11        0      .00   352.18 10014.74


*SECNO 1030.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1030.000    10.43  2403.13  2403.13      .00  2405.96     2.83     4.04      .35  2394.00
    9253.     343.    5788.    3122.      70.     352.     517.     117.      28.   2395.20
      .13     4.93    16.43     6.04     .065     .035     .065     .000  2392.70  9973.95
 .007526     460.     500.     480.       20        8        0      .00   179.12 10153.07


*SECNO 1140.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 11A
 1140.000    10.86  2416.86  2416.86      .00  2420.22     3.35     4.87      .16  2409.60
    9202.     390.    7981.     831.      80.     510.     150.     128.      30.   2409.40
      .14     4.88    15.64     5.55     .065     .040     .065     .000  2406.00  9950.98
 .009546     600.     580.     560.       20        8        0      .00   119.87 10070.85


*SECNO 1230.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
 1230.000    13.17  2431.27  2431.27      .00  2435.45     4.18     4.40      .25  2423.20
    9202.      161.    6311.    2730.      34.     333.     312.     136.      31.   2420.90
      .15     4.70    18.94     8.76     .060     .035     .060     .000  2418.10  9972.10
  .008616     480.     480.     510.       20       11        0      .00    85.80 10057.90


*SECNO 1340.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1340.000    14.41  2454.51  2454.51      .00  2458.17     3.67     6.19      .05  2447.70
    9202.      428.    7318.    1456.      57.     437.     176.     145.      32.   2446.00
      .16     7.49    16.73     8.26     .060     .050     .060     .000  2440.10  9979.31
  .013550     580.     580.     580.       20        8        0      .00    93.66 10072.97


*SECNO 1400.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1400.000    10.76  2460.66  2460.66      .00  2463.40     2.74     4.48      .09  2455.70
    9202.     1518.    4707.    2977.     219.     283.     322.     151.      33.   2452.40
      .17     6.94    16.60     9.24     .065     .045     .065     .000  2449.90  9927.77
  .014586     330.     320.     310.        5       19        0      .00   146.69 10074.46


*SECNO 1540.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1540.000    11.65  2477.85  2477.85      .00  2481.60     3.75     8.98      .30  2467.60
    9202.     2170.    6605.     427.     262.     374.      80.     164.      35.   2469.70
      .19     8.29    17.66     5.36     .065     .040     .065     .000  2466.20  9945.70
  .010269     710.     740.     770.       20        8        0      .00   101.38 10047.08
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 ECNO    DEPTH   CWSEL   CRIWS   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   XLOBL   XLCH    XLOBR   ITRIAL  IDC     ICONT   CORAR   TOPWID    ENDST


*SECNO 1630.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1630.000    12.17  2488.17  2488.17     .00  2492.65    4.48    4.78     .22  2478.60
    9202.     657.    7718.     827.    100.     422.    111.    171.     36.  2477.40
      .19     6.58    18.29     7.45    .065     .040    .065    .000  2476.00  9954.50
  .009680     480.     480.     470.      20        8       0     .00    78.41 10032.90


*SECNO 1740.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  CRITICAL DEPTH ASSUMED
 40.000     9.65  2499.75  2499.75     .00  2502.82    3.06    5.94     .14  2495.20
    9202.    2216.    6985.       0.    313.     447.      0.    180.     38.  2499.20
      .21     7.09    15.62     .94    .065     .035    .065    .000  2490.10  9894.98
  .010796     590.     580.     570.      20       15       0     .00   128.57 10023.55


*SECNO 1850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 12A
 1850.000    11.34  2526.84  2526.84     .00  2531.18    4.34    7.47     .38  2519.30
    7963.     215.    7251.     497.     36.     417.     71.    189.     39.  2518.30
      .21     5.97    17.40     7.05    .065     .050    .065    .000  2515.50  9984.04
  .016063     590.     580.     580.      20       11       0     .00    66.88 10050.92


*SECNO 1970.000
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:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1970.000	7.85	2547.55	2547.55	.00	2550.20	2.65	10.50	.17	2542.10
7963.	664.	4729.	2570.	90.	309.	281.	198.	41.	2541.50
.23	7.34	15.31	9.14	.065	.045	.065	.000	2539.70	9949.17
.017064	600.	630.	660.	20	19	0	.00	130.42	10079.59

*SECNO 2070.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

.000	11.06	2576.26	2576.26	.00	2580.21	3.95	7.71	.39	2565.80
,963.	215.	6230.	1517.	40.	356.	182.	206.	42.	2566.20
.24	5.38	17.52	8.33	.065	.045	.065	.000	2565.20	9976.65
.012296	500.	530.	560.	20	11	0	.00	75.71	10052.35

*SECNO 2120.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2120.000	8.42	2587.52	2587.52	.00	2591.09	3.58	3.42	.04	2579.80
7963.	156.	7138.	669.	30.	451.	87.	209.	42.	2580.10
.24	5.27	15.84	7.67	.065	.045	.065	.000	2579.10	9957.24
.014001	310.	260.	260.	20	15	0	.00	84.50	10041.75

*SECNO 2190.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2190.000	7.17	2599.17	2599.17	.00	2601.60	2.43	5.59	.11	2595.40
7963.	195.	5022.	2746.	31.	351.	314.	214.	43.	2593.40
.25	6.28	14.31	8.75	.060	.045	.060	.000	2592.00	9963.76
3518	380.	370.	360.	20	15	0	.00	145.76	10109.52

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 2300.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2300.000	7.61	2620.31	2620.31	.00	2623.64	3.32	9.18	.27	2614.40
7963.	142.	7706.	115.	26.	519.	22.	223.	45.	2614.80
.26	5.53	14.84	5.26	.060	.045	.060	.000	2612.70	9937.55
.015187	580.	580.	580.	20	8	0	.00	90.28	10027.83

*SECNO 2400.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2400.000	7.93	2635.83	2635.83	.00	2638.79	2.96	8.32	.04	2629.70
7963.	2318.	5159.	486.	234.	330.	66.	230.	46.	2629.10
.27	9.89	15.65	7.35	.060	.045	.060	.000	2627.90	9932.34
.016023	560.	530.	500.	20	8	0	.00	108.61	10040.95

*SECNO 2470.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2470.000	7.73	2649.43	2649.43	.00	2651.75	2.32	6.02	.06	2643.20
7963.	1745.	6191.	28.	232.	466.	7.	236.	47.	2645.80
.28	7.53	13.28	3.87	.060	.050	.060	.000	2641.70	9873.58
.016707	360.	370.	380.	20	8	0	.00	157.33	10030.92

*SECNO 2580.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2580.000	6.26	2671.76	2671.76	.00	2674.24	2.48	10.76	.05	2667.50
7963.	3806.	3883.	274.	400.	252.	43.	245.	49.	2666.00
.30	9.51	15.39	6.36	.065	.045	.065	.000	2665.50	9904.86
.020728	580.	580.	580.	20	15	0	.00	142.10	10046.95

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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 2710.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 14A
 2710.000     3.12  2698.52  2698.52      .00  2699.45      .93    14.60      .16  2695.40
    1154.      76.    1078.       0.      16.     136.       0.     252.      51.   2704.10
      .32     4.83     7.90      .00     .065     .045     .000     .000  2695.40  9957.77
  .026186     670.     690.     710.       20        8        0      .00    85.54 10043.31


*SECNO 2790.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2790.000     3.32  2717.82  2717.82      .00  2718.75      .92     9.94      .00  2717.30
    1154.       0.     857.     297.       0.     100.      69.     253.      52.   2716.60
      .34     1.22     8.58     4.32     .065     .045     .065     .000  2714.50  9980.00
  .021513     420.     420.     420.       11        8        0      .00    91.42 10071.43


*SECNO 2850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2850.000     4.86  2733.76  2733.76      .00  2735.44     1.68     6.49      .23  2731.40
    1154.      65.    1050.      39.      20.      97.      10.     254.      52.   2729.40
      .34     3.29    10.85     4.00     .070     .050     .070     .000  2728.90  9970.71
  .019579     300.     320.     300.       20       11        0      .00    43.07 10013.78


*SECNO 2910.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 2910.000     4.97  2750.47  2750.47      .00  2751.49     1.02     6.64      .07  2756.60
    1154.       0.     1016.     138.       0.     119.      39.     255.      53.   2748.50
      .36      .00     8.55     3.51     .000     .050     .070     .000  2745.50  9990.07
  .022158     350.     320.     300.       20        5        0      .00    79.26 10069.33


*SECNO 3010.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3010.000     3.42  2781.32  2781.32      .00  2782.33     1.01    13.57      .00  2782.00
    1154.       0.     1075.      79.       0.     130.      16.     257.      54.   2778.80
      .37      .00     8.27     4.92     .000     .050     .060     .000  2777.90  9973.40
  .029786     520.     530.     540.       16       19        0      .00    75.43 10048.83


*SECNO 3080.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3080.000     4.38  2801.38  2801.38      .00  2802.45     1.07     9.96      .02  2800.70
     154.       1.      995.     159.       0.     115.      29.     258.      54.   2800.00
      .39     1.87     8.65     5.57     .050     .050     .050     .000  2797.00  9975.32
  .024213     350.     370.     390.       15       11        0      .00    67.13 10042.45


*SECNO 3150.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3150.000     5.83  2824.43  2824.43      .00  2825.81     1.39     8.37      .10  2821.80
    1154.      93.     1042.      19.      26.     105.       7.     260.      55.   2822.40
      .40     3.53     9.88     2.66     .080     .050     .080     .000  2818.60  9961.42
  .021216     380.     370.     360.       20       11        0      .00    55.36 10016.79


*SECNO 3210.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3210.000     3.72  2841.32  2841.32      .00  2842.57     1.25     8.55      .01  2839.30
    1154.      16.      841.     297.       5.      84.      52.     261.      55.   2838.80
      .41     3.28     9.96     5.70     .080     .060     .080     .000  2837.60  9990.02
  .034414     310.     320.     330.       20       14        0      .00    58.10 10048.12
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   CNO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3320.000     4.64  2873.94  2873.94      .00  2875.24     1.30    13.67      .01  2873.00
    1154.      41.    1113.       0.      19.     120.       0.     263.      56.   2880.80
      .43     2.19     9.30      .00     .070     .045     .000     .000  2869.30  9946.14
  .017190     590.     580.     570.       10       11        0      .00    64.41 10010.55


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     5.30  2896.30  2896.30      .00  2897.54     1.24     7.66      .01  2894.50
    1154.      87.    1067.       0.      32.     115.       0.     264.      57.   2896.80
      .44     2.76     9.27      .00     .065     .045     .000     .000  2891.00  9956.06
  .014804     500.     480.     460.       20        8        0      .00    64.97 10021.02


   'O 3480.000
   20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3480.000     5.70  2915.90  2915.90      .00  2917.38     1.48     6.12      .07  2912.70
    1154.     273.     881.       0.      51.      82.       0.     265.      57.   2917.20
      .45     5.35    10.77      .00     .065     .045     .000     .000  2910.20  9970.02
  .018299     390.     370.     350.       20        8        0      .00    43.38 10013.39


*SECNO 3530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3530.000     4.62  2937.42  2937.42      .00  2938.55     1.14     5.01      .03  2935.80
    1154.      23.     967.     164.       8.     105.      40.     266.      58.   2936.50
      .46     2.81     9.18     4.14     .065     .050     .065     .000  2932.80  9974.71
  .020382     250.     260.     270.       20       15        0      .00    70.66 10045.37


*SECNO 3610.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3610.000     5.92  2962.32  2962.32      .00  2963.83     1.51     7.70      .11  2958.70
   1154.     281.     832.      41.      57.      74.      11.     268.      58.   2956.40
     .47     4.88    11.23     3.90     .065     .050     .065     .000  2956.40  9963.59
 .016584     420.     420.     420.       20       11        0      .00    45.57 10009.16


*SECNO 3710.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
3710.000     4.90  2993.30  2993.30      .00  2994.61     1.31    10.16      .02  2989.90
   1154.      72.     812.     270.      14.      79.      45.     269.      59.   2990.30
     .49     5.02    10.27     6.00     .060     .050     .060     .000  2988.40  9981.76
 .022395     540.     530.     520.       20       15        0      .00    54.68 10036.44


*SECNO 3790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  CRITICAL DEPTH ASSUMED
  .0.000     6.37  3016.37  3016.37      .00  3018.13     1.77     8.24      .14  3013.80
   1154.      66.    1079.       9.      15.      98.       3.     271.      59.   3013.50
     .50     4.55    10.97     3.35     .050     .045     .050     .000  3010.00  9979.44
 .017419     420.     420.     410.       20       11        0      .00    35.95 10015.39


*SECNO 3920.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
3920.000     6.15  3058.35  3058.35      .00  3060.01     1.66    13.05      .01  3053.60
   1154.     318.     824.      12.      50.      71.       4.     272.      60.   3056.20
     .52     6.40    11.59     3.09     .065     .050     .065     .000  3052.20  9980.24
 .020309     720.     690.     660.       20        8        0      .00    37.09 10017.33


*SECNO 4010.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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:CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
4010.000	4.48	3090.68	3090.68	.00	3091.77	1.10	9.71	.06	3088.60
1154.	405.	747.	2.	84.	76.	1.	274.	60.	3089.10
.54	4.83	9.82	2.09	.065	.050	.065	.000	3086.20	9945.30
.020419	470.	480.	490.	20	19	0	.00	71.55	10016.85

*SECNO 4080.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4080.000	7.75	3117.35	3117.35	.00	3119.03	1.67	6.65	.17	3119.60
1154.	0.	1079.	75.	0.	101.	21.	275.	61.	3114.70
.55	.00	10.69	3.59	.000	.045	.060	.000	3109.60	9988.20
.015732	390.	370.	350.	20	14	0	.00	42.15	10030.34

) 4170.000
20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4170.000	6.69	3157.49	3157.49	.00	3159.53	2.03	10.69	.11	3153.20
1154.	104.	1050.	0.	15.	89.	0.	277.	61.	3159.00
.56	6.85	11.80	.00	.060	.060	.000	.000	3150.80	9985.93
.034020	450.	480.	510.	20	11	0	.00	25.95	10011.88

*SECNO 4260.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4260.000	5.16	3199.26	3199.26	.00	3200.57	1.31	12.54	.07	3196.70
1154.	232.	875.	48.	38.	87.	9.	278.	62.	3194.40
.57	6.05	10.01	5.45	.050	.050	.050	.000	3194.10	9959.68
.020492	500.	480.	460.	20	19	0	.00	51.13	10010.81

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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*SECNO 4340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4340.000     5.93  3229.63  3229.63     .00  3231.21     1.58     8.09      .08  3231.40
    1154.      0.     1110.      44.      0.     108.      11.     279.      62.   3227.60
      .58     .00     10.25     3.99    .000     .045     .050     .000  3223.70  9984.71
  .018122    420.      420.     420.      20        8        0      .00    40.04 10024.75
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*SECNO 4450.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4450.000     7.13  3288.63  3288.63     .00  3290.55     1.91    12.48      .10  3287.90
    1154.      1.     1141.      12.      0.     102.       3.     281.      63.   3286.80
      .60     1.77     11.16     3.51    .060     .050     .060     .000  3281.50  9984.81
  .025973    580.      580.     580.      20       11        0      .00    30.74 10015.55
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*SECNO 4520.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4520.000     4.83  3321.63  3321.63     .00  3323.07     1.44     9.11      .05  3323.80
    1154.      0.      886.     268.      0.      85.      41.     282.      63.   3318.40
      .61     .00     10.42     6.47    .000     .050     .060     .000  3316.80  9987.52
  .023526    380.      370.     360.      20       19        0      .00    44.23 10031.76
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FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2 100-YEAR FLOOD FREQUENCY MODEL
T3 COTTONWOOD WASH (CW.DAT) STA 0.00 - 4.58

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4			.008046				2287.92	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3		-1							

```
 CNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
 TIME   VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
 SLOPE  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 3

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
3720 CRITICAL DEPTH ASSUMED
        *******REVISED STREAMFLOWS FROM CVCRK43R.OUT***********
        STARTING STATION IS FROM CAVE CREEK, SEC.37.80 (CC.OUT)
        SECTION 000 = SECTION 37.84 OF CAVE CREEK
        Q AT CPB
37800.000     5.24  2287.94  2287.94  2287.92  2289.89     1.95      .00      .00  2285.50
   10956.     251.   10702.       3.      85.     946.       2.       0.       0.   2287.30
      .00     2.95    11.32     1.21     .050     .030     .050     .000  2282.70  9847.43
  .007552       0.       0.       0.        0        5        0      .00   299.03 10146.46


*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

    20 TRIALS ATTEMPTED WSEL,CWSEL
    PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  130.000     7.89  2304.99  2304.99      .00  2307.96     2.97     7.05      .31  2299.50
   10956.    4197.    6266.     493.     474.     375.      74.      20.       5.   2300.50
      .02     8.85    16.69     6.66     .050     .030     .050     .000  2297.10  9904.09
  .008417     860.     890.     920.       20       14        0      .00   154.88 10058.97


*SECNO 220.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  220.000     7.57  2312.27  2312.27      .00  2314.43     2.16     5.83      .08  2309.70
   10956.      34.   10922.       0.       8.     925.       0.      30.       7.   2311.90
      .03     4.57    11.81     1.18     .050     .045     .050     .000  2304.70  9870.04
  .019013     480.     480.     490.       11       11        0      .00   225.71 10095.76


*SECNO 320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


3720 CRITICAL DEPTH ASSUMED
  320.000    10.08  2324.08  2324.08      .00  2326.07     1.99     5.43      .02  2318.80
   10956.    5306.    5650.      0.     856.     388.      0.      43.      10.   2325.60
      .04     6.20    14.57     .00     .050     .030     .000     .000  2314.00  9726.72
 .006347     540.     530.     530.      20       11        0      .00   295.82 10022.54


*SECNO 450.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  450.000     9.28  2335.98  2335.98      .00  2339.01     3.03     4.07      .31  2330.50
   10956.    1329.    9551.     76.     248.     644.     19.      60.      13.   2330.70
      .06     5.36    14.83    4.01     .050     .030     .050     .000  2326.70  9872.99
 .005537     680.     690.     710.      20       11        0      .00   161.78 10034.77


 ..O 510.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  510.000    12.24  2344.44  2344.44      .00  2349.06     4.62     2.38      .48  2334.20
   10956.     162.    7500.   3294.      29.     390.     272.      66.      14.   2333.90
      .06     5.58    19.23   12.09     .050     .040     .050     .000  2332.20  9974.22
 .010474     320.     320.     320.      20       11        0      .00    76.86 10051.08


*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  570.000    11.12  2351.42  2351.42      .00  2354.80     3.38     3.77      .12  2345.00
   10956.     120.    6797.   4040.      21.     410.     360.      72.      15.   2345.30
      .07     5.80    16.59   11.22     .050     .040     .050     .000  2340.30  9979.68
 .012775     330.     320.     340.      20       11        0      .00   118.86 10098.54
```

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 660.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

660.000	9.41	2360.61	2360.61	.00	2363.49	2.89	4.65	.05	2354.10
10956.	322.	9668.	967.	70.	671.	204.	81.	17.	2354.90
.08	4.59	14.41	4.73	.060	.035	.060	.000	2351.20	9944.44
.007546	460.	480.	490.	20	15	0	.00	186.35	10130.79

*SECNO 690.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

690.000	11.28	2365.08	2365.08	.00	2369.10	4.02	1.29	.34	2360.20
10956.	75.	10729.	152.	20.	660.	34.	84.	17.	2358.70
.08	3.76	16.25	4.49	.060	.035	.060	.000	2353.80	9940.20
.008570	160.	160.	160.	20	11	0	.00	96.44	10036.65

*SECNO 790.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

790.000	8.63	2375.73	2375.73	.00	2377.51	1.78	4.51	.22	2374.30
10956.	6.	6993.	3957.	3.	540.	865.	97.	20.	2371.70
.10	1.64	12.95	4.58	.065	.035	.065	.000	2367.10	9676.36
.008509	540.	530.	520.	20	19	0	.00	418.06	10094.43

*SECNO 870.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

870.000	7.74	2383.54	2383.54	.00	2385.76	2.22	4.48	.13	2382.90
10956.	0.	4507.	6449.	0.	276.	855.	109.	24.	2379.20
.11	.76	16.31	7.54	.065	.035	.065	.000	2375.80	9972.86
.014127	430.	420.	410.	20	15	0	.00	256.19	10229.05

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  940.000    10.34  2392.74  2392.74      .00  2394.54     1.80     4.26      .04  2389.00
   10956.    5111.    5845.      0.     937.     423.      0.     120.      26.   2397.50
      .12     5.46    13.83     .00     .065     .035     .000     .000  2382.40  9658.95
 .009419     360.     370.     390.       20       11        0      .00   356.01 10014.96


*SECNO 1030.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1030.000    11.20  2403.90  2403.90      .00  2406.93     3.03     4.08      .37  2394.00
   10956.     425.    6580.    3951.     82.     381.     616.     133.      29.   2395.20
      .13     5.20    17.28     6.41     .065     .035     .065     .000  2392.70  9972.67
 .007510     460.     500.     480.       20        8        0      .00   187.79 10160.46


*SECNO 1140.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 11A
 1140.000    11.81  2417.81  2417.81      .00  2421.40     3.59     4.76      .17  2409.60
   10925.     540.    9220.    1165.    104.     564.     189.     146.      31.   2409.40
      .14     5.21    16.36     6.16     .065     .040     .065     .000  2406.00  9947.72
 .009144     600.     580.     560.       20        8        0      .00   127.57 10075.29


*SECNO 1230.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
 1230.000    14.31  2432.41  2432.41      .00  2436.92     4.51     4.23      .28  2423.20
   10925.     225.    7306.    3394.      45.     368.     366.     155.      32.   2420.90
      .15     5.04    19.85     9.27     .060     .035     .060     .000  2418.10  9970.90
  .008285     480.     480.     510.      20       11        0      .00    89.31 10060.20


*SECNO 1340.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1340.000    15.40  2455.50  2455.50      .00  2459.46     3.96     6.04      .06  2447.70
   10925.     595.    8340.    1989.      72.     474.     221.     166.      34.   2446.00
      .16     8.28    17.60     9.01     .060     .050     .060     .000  2440.10  9978.08
  .013467     580.     580.     580.      20        8        0      .00    99.80 10077.88


*SECNO 1400.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1400.000    11.47  2461.37  2461.37      .00  2464.37     3.00     4.48      .10  2455.70
   10925.    1990.    5366.    3569.     260.     306.     363.     172.      35.   2452.40
      .16     7.67    17.53     9.82     .065     .045     .065     .000  2449.90  9925.35
  .014681     330.     320.     310.       3       19        0      .00   151.17 10076.52


*SECNO 1540.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1540.000    12.65  2478.85  2478.85      .00  2482.92     4.08     8.91      .32  2467.60
   10925.    2702.    7631.     591.     306.     410.     103.     187.      37.   2469.70
      .18     8.84    18.60     5.76     .065     .040     .065     .000  2466.20  9944.00
  .010068     710.     740.     770.      20        8        0      .00   106.01 10050.01
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 :NO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 1630.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1630.000    13.32  2489.32  2489.32      .00  2494.24     4.92     4.68      .25  2478.60
   10925.     880.    8983.    1062.     126.     465.     135.     195.      38.   2477.40
      .19     6.98    19.31     7.89     .065     .040     .065     .000  2476.00  9951.83
  .009481     480.     480.     470.       20        8        0      .00    82.95 10034.78


*SECNO 1740.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
 1. .0.000    10.41  2500.51  2500.51      .00  2503.90     3.40     5.81      .15  2495.20
   10925.    2741.    8181.       3.     361.     495.       2.     206.      39.   2499.20
      .20     7.59    16.51     1.65     .065     .035     .065     .000  2490.10  9893.76
  .010538     590.     580.     570.       20       15        0      .00   131.36 10025.12


*SECNO 1850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 12A
 1850.000    12.60  2528.10  2528.10      .00  2532.65     4.54     7.08      .34  2519.30
    9424.     310.    8399.     715.      49.     468.      93.     216.      41.   2518.30
      .21     6.32    17.93     7.68     .065     .050     .065     .000  2515.50  9982.44
  .014615     590.     580.     580.       20       11        0      .00    71.36 10053.80


*SECNO 1970.000
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1970.000     8.50  2548.20  2548.20      .00  2551.12     2.93     9.94      .16  2542.10
    9424.     850.    5476.    3098.     107.     339.     320.     226.      42.   2541.50
      .22     7.93    16.17     9.69     .065     .045     .065     .000  2539.70  9947.90
  .016841     600.     630.     660.       20       19        0      .00   132.64 10080.53


*SECNO 2070.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     .000    12.07  2577.27  2577.27      .00  2581.59     4.32     7.60      .42  2565.80
    ,424.     273.    7204.    1947.      48.     390.     218.     234.      43.   2566.20
      .23     5.67    18.47     8.94     .065     .045     .065     .000  2565.20  9975.90
  .012088     500.     530.     560.       20       11        0      .00    78.42 10054.33


*SECNO 2120.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2120.000     9.32  2588.42  2588.42      .00  2592.35     3.93     3.34      .04  2579.80
    9424.     205.    8344.     874.      37.     500.     108.     238.      44.   2580.10
      .23     5.57    16.68     8.11     .065     .045     .065     .000  2579.10  9956.35
  .013514     310.     260.     260.       20       15        0      .00    87.88 10044.23


*SECNO 2190.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2190.000     7.78  2599.78  2599.78      .00  2602.44     2.66     5.42      .13  2595.40
    9424.     262.    5802.    3360.      39.     385.     362.     244.      45.   2593.40
      .24     6.74    15.05     9.28     .060     .045     .060     .000  2592.00  9962.57
     ·126     380.     370.     360.       20       15        0      .00   149.77 10112.33
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 2300.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2300.000     8.43  2621.13  2621.13      .00  2624.80     3.67     8.89      .30  2614.40
    9424.     196.     9065.     163.     33.     580.     29.     254.     47.   2614.80
      .25     5.91    15.64     5.65    .060     .045    .060     .000  2612.70  9936.35
  .014572     580.     580.     580.      20        8       0      .00    92.65 10029.00


*SECNO 2400.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2400.000     8.68  2636.58  2636.58      .00  2639.82     3.24     8.04      .04  2629.70
    9424.    2785.     5988.     651.    268.     364.     81.     262.     48.   2629.10
      .26    10.40    16.47     8.00    .060     .045    .060     .000  2627.90  9930.57
  .015582     560.     530.     500.      20        8       0      .00   112.31 10042.87


*SECNO 2470.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2470.000     8.35  2650.05  2650.05      .00  2652.56     2.51     5.86      .07  2643.20
    9424.    2267.     7115.      41.    285.     511.     10.     269.     49.   2645.80
      .27     7.96    13.93     4.25    .060     .050    .060     .000  2641.70  9864.85
  .016283     360.     370.     380.      20        8       0      .00   166.74 10031.58


*SECNO 2580.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2580.000     6.86  2672.36  2672.36      .00  2675.11     2.75    10.49      .07  2667.50
    9424.    4549.     4522.     353.    452.     279.     53.     279.     51.   2666.00
      .28    10.07    16.23     6.71    .065     .045    .065     .000  2665.50  9903.41
  .020213     580.     580.     580.      20       15       0      .00   145.12 10048.53
```

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 2710.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
Q AT 14A

2710.000	3.36	2698.76	2698.76	.00	2699.77	1.02	14.18	.17	2695.40
1366.	90.	1276.	0.	18.	154.	0.	287.	53.	2704.10
.31	4.92	8.28	.00	.065	.045	.000	.000	2695.40	9957.02
.024688	670.	690.	710.	20	11	0	.00	86.75	10043.77

*SECNO 2790.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2790.000	3.55	2718.05	2718.05	.00	2719.07	1.02	9.64	.00	2717.30
1366.	1.	990.	375.	0.	109.	80.	288.	54.	2716.60
.32	1.54	9.07	4.71	.065	.045	.065	.000	2714.50	9979.67
.021386	420.	420.	420.	11	8	0	.00	92.26	10071.93

*SECNO 2850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2850.000	5.34	2734.24	2734.24	.00	2736.02	1.79	6.28	.23	2731.40
1366.	104.	1212.	50.	29.	107.	12.	290.	54.	2729.40
.33	3.63	11.31	4.17	.070	.050	.070	.000	2728.90	9967.28
.018519	300.	320.	300.	20	11	0	.00	46.99	10014.27

*SECNO 2910.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2910.000	5.24	2750.74	2750.74	.00	2751.85	1.11	6.44	.07	2756.60
1366.	0.	1170.	196.	0.	130.	50.	291.	55.	2748.50
.34	.00	9.00	3.91	.000	.050	.070	.000	2745.50	9989.83
.022061	350.	320.	300.	20	8	0	.00	83.54	10073.38

*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3010.000	3.67	2781.57	2781.57	.00	2782.68	1.11	13.30	.00	2782.00
1366.	0.	1265.	101.	0.	146.	20.	293.	56.	2778.80
.36	.00	8.67	5.14	.000	.050	.060	.000	2777.90	9972.47
.028659	520.	530.	540.	20	19	0	.00	77.64	10050.12

*SECNO 3080.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

.000	4.64	2801.64	2801.64	.00	2802.83	1.19	9.73	.02	2800.70
1366.	1.	1154.	210.	1.	126.	34.	294.	56.	2800.00
.37	2.47	9.14	6.16	.050	.050	.050	.000	2797.00	9974.98
.023916	350.	370.	390.	15	11	0	.00	67.94	10042.92

*SECNO 3150.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3150.000	6.20	2824.80	2824.80	.00	2826.29	1.49	8.14	.09	2821.80
1366.	133.	1203.	30.	34.	116.	10.	296.	57.	2822.40
.38	3.93	10.34	2.92	.080	.050	.080	.000	2818.60	9959.77
.020328	380.	370.	360.	20	11	0	.00	58.35	10018.12

*SECNO 3210.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3210.000	4.04	2841.64	2841.64	.00	2843.01	1.37	8.26	.01	2839.30
1366.	23.	973.	370.	6.	93.	61.	297.	57.	2838.80
.39	3.58	10.48	6.07	.080	.060	.080	.000	2837.60	9989.27
.033660	310.	320.	330.	20	14	0	.00	60.22	10049.49

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


*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3320.000     5.01  2874.31  2874.31      .00  2875.69     1.38    13.22      .00  2873.00
    1366.      82.    1284.       0.      30.     133.       0.     299.      58.   2880.80
      .41     2.72     9.69      .00     .070     .045     .000     .000  2869.30  9942.02
  .016501     590.     580.     570.       11       11        0      .00    68.73 10010.74


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     5.65  2896.65  2896.65      .00  2897.97     1.32     7.51      .01  2894.50
    1366.     145.    1221.       0.      44.     126.       0.     301.      59.   2896.80
      .42     3.33     9.67      .00     .065     .045     .000     .000  2891.00  9955.07
  .014771     500.     480.     460.       20        8        0      .00    66.78 10021.85


*  O 3480.000
   20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3480.000     6.08  2916.28  2916.28      .00  2917.89     1.61     6.18      .09  2912.70
    1366.     356.    1010.       0.      60.      89.       0.     302.      59.   2917.20
      .43     5.91    11.31      .00     .065     .045     .000     .000  2910.20  9969.07
  .018645     390.     370.     350.       20        8        0      .00    44.82 10013.89


*SECNO 3530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3530.000     4.95  2937.75  2937.75      .00  2938.94     1.19     4.91      .04  2935.80
    1366.      37.    1104.     225.      12.     116.      49.     303.      60.   2936.50
      .44     3.09     9.51     4.55     .065     .050     .065     .000  2932.80  9972.59
  .019225     250.     260.     270.       20       12        0      .00    75.10 10047.69


*SECNO 3610.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 :NO     DEPTH    CWSEL    CRIWS    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  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 3610.000     6.29  2962.69  2962.69      .00  2964.35     1.66     7.58      .14  2958.70
    1366.     371.     946.      49.      68.      80.      12.     305.      60.   2956.40
      .45     5.47    11.90     4.11     .065     .050     .065     .000  2956.40  9962.96
  .016954     420.     420.     420.       20       14        0      .00    46.43 10009.39


*SECNO 3710.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3710.000     5.24  2993.64  2993.64      .00  2995.06     1.42    10.18      .02  2989.90
    1366.      92.     931.     343.      17.      86.      53.     307.      61.   2990.30
      .47     5.29    10.78     6.42     .060     .050     .060     .000  2988.40  9980.92
  .021936     540.     530.     520.       20       15        0      .00    57.10 10038.02


*SECNO 3790.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3790.000     6.81  3016.81  3016.81      .00  3018.74     1.94     8.06      .15  3013.80
    1366.     100.    1253.      13.      20.     108.       4.     308.      61.   3013.50
      .48     5.00    11.57     3.64     .050     .045     .050     .000  3010.00  9977.49
  .017024     420.     420.     410.       20       11        0      .00    38.19 10015.68


*SECNO 3920.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3920.000     6.58  3058.78  3058.78      .00  3060.60     1.82    12.85      .01  3053.60
    1366.     404.     943.      20.      58.      77.       6.     310.      62.   3056.20
      .50     6.91    12.20     3.48     .065     .050     .065     .000  3052.20  9979.18
  .020148     720.     690.     660.       20        8        0      .00    38.89 10018.07


*SECNO 4010.000

3301 HV CHANGED MORE THAN HVINS
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SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4010.000	4.75	3090.95	3090.95	.00	3092.15	1.20	9.76	.06	3088.60
1366.	516.	847.	3.	97.	82.	1.	312.	63.	3089.10
.51	5.30	10.38	2.35	.065	.050	.065	.000	3086.20	9944.78
.020804	470.	480.	490.	20	19	0	.00	72.30	10017.08

*SECNO 4080.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4080.000	8.21	3117.81	3117.81	.00	3119.60	1.79	6.75	.18	3119.60
1366.	0.	1234.	132.	0.	110.	31.	313.	63.	3114.70
.52	.00	11.20	4.23	.000	.045	.060	.000	3109.60	9987.71
5892	390.	370.	350.	20	14	0	.00	43.34	10031.05

*SECNO 4170.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4170.000	7.27	3158.07	3158.07	.00	3160.23	2.17	10.63	.11	3153.20
1366.	143.	1223.	0.	19.	100.	0.	315.	64.	3159.00
.54	7.33	12.23	.00	.060	.060	.000	.000	3150.80	9984.99
.033029	450.	480.	510.	20	12	0	.00	27.58	10012.57

*SECNO 4260.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4260.000	5.48	3199.58	3199.58	.00	3201.02	1.45	12.35	.07	3196.70
1366.	308.	1001.	56.	46.	95.	10.	316.	64.	3194.40
.55	6.69	10.55	5.67	.050	.050	.050	.000	3194.10	9958.70
.020400	500.	480.	460.	20	19	0	.00	52.34	10011.04

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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 4340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4340.000     6.38  3230.08  3230.08      .00  3231.75     1.67     7.88      .07  3231.40
    1366.       0.     1292.      74.       0.     122.      17.     318.      64.   3227.60
      .56      .00    10.61     4.47     .000     .045     .050     .000  3223.70  9983.86
  .017317     420.     420.     420.       20        8        0      .00    43.35 10027.21


*SECNO 4450.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4450.000     7.65  3289.15  3289.15      .00  3291.20     2.05    11.68      .11  3287.90
    1366.       3.     1340.      23.       1.     116.       6.     319.      65.   3286.80
      .58     2.41    11.58     4.11     .060     .050     .060     .000  3281.50  9984.11
  .023707     580.     580.     580.       20       11        0      .00    32.50 10016.61


 SECNO 4520.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4520.000     5.21  3322.01  3322.01      .00  3323.57     1.56     8.66      .05  3323.80
    1366.       0.     1022.     344.       0.      94.      50.     321.      65.   3318.40
      .59      .00    10.87     6.90     .000     .050     .060     .000  3316.80  9986.94
  .023286     380.     370.     360.       20       19        0      .00    46.59 10033.53
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T1 FLOOD CONTROL DISTRICT OF MARICOPA CO. - LAO27815.H2
T2 500-YEAR FLOOD FREQUENCY MODEL
T3 COTTONWOOD WASH (CW.DAT) STA 0.00 - 4.58

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		5			.007833				2288.77	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1							

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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
3720 CRITICAL DEPTH ASSUMED
        *******REVISED STREAMFLOWS FROM CVCRK43R.OUT***********
        STARTING STATION IS FROM CAVE CREEK, SEC.37.80 (CC.OUT)
        SECTION 000 = SECTION 37.84 OF CAVE CREEK
        Q AT CPB
37800.000     6.06  2288.76  2288.76  2288.77  2290.91     2.15      .00      .00  2285.50
   14038.      516.   13497.      25.     151.    1126.      13.       0.       0.   2287.30
      .00     3.41    11.98     1.97     .050     .030     .050     .000  2282.70  9824.76
  .006706       0.       0.       0.        0        5        0      .00   331.56 10156.32


*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

 20 TRIALS ATTEMPTED WSEL,CWSEL
 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  130.000     8.97  2306.07  2306.07      .00  2309.54     3.47     6.56      .40  2299.50
   14038.    5469.    7835.     734.     563.     432.      97.      24.       5.   2300.50
      .02     9.72    18.14     7.59     .050     .030     .050     .000  2297.10  9902.75
  .008239     860.     890.     920.       20       14        0      .00   157.41 10060.16


*SECNO 220.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  220.000     8.33  2313.03  2313.03      .00  2315.56     2.53     5.62      .09  2309.70
   14038.      67.   13969.       2.      13.    1092.       1.      36.       7.   2311.90
      .03     5.27    12.79     2.41     .050     .045     .050     .000  2304.70  9868.31
  .017880     480.     480.     490.        4       11        0      .00   228.60 10096.90


*SECNO 320.000
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

320.000	10.89	2324.89	2324.89	.00	2327.09	2.19	5.42	.03	2318.80
14038.	7335.	6703.	0.	1064.	429.	0.	52.	10.	2325.60
.04	6.90	15.62	.02	.050	.030	.050	.000	2314.00	9708.93
.006567	540.	530.	530.	20	11	0	.00	315.00	10025.24

*SECNO 450.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

.000	10.52	2337.22	2337.22	.00	2340.59	3.37	4.03	.35	2330.50
038.	2126.	11777.	135.	351.	742.	29.	73.	14.	2330.70
.05	6.05	15.88	4.63	.050	.030	.050	.000	2326.70	9856.70
.005264	680.	690.	710.	20	8	0	.00	179.87	10036.57

*SECNO 510.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

510.000	14.04	2346.24	2346.24	.00	2351.49	5.26	2.26	.57	2334.20
14038.	243.	9322.	4473.	40.	451.	342.	80.	15.	2333.90
.06	6.06	20.66	13.08	.050	.040	.050	.000	2332.20	9973.22
.009951	320.	320.	320.	20	11	0	.00	80.58	10053.80

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  570.000    12.37  2352.67  2352.67     .00  2356.57     3.90     3.60      .14  2345.00
   14038.     188.    8465.    5385.     29.     473.     439.     87.      16.   2345.30
      .07     6.40    17.89    12.26    .050     .040     .050    .000  2340.30  9978.43
  .012267     330.     320.     340.      20       15        0     .00   124.07 10102.50


*SECNO 660.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  660.000    10.57  2361.77  2361.77     .00  2364.97     3.20     4.44      .07  2354.10
   14038.     519.   11897.    1622.     97.     772.     304.     98.      18.   2354.90
      .07     5.36    15.42     5.34    .060     .035     .060    .000  2351.20  9941.87
   007166     460.     480.     490.      20       15        0     .00   200.11 10141.98


*SECNO 690.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  690.000    12.76  2366.56  2366.56     .00  2371.22     4.66     1.22      .44  2360.20
   14038.     163.   13617.     258.     34.     775.      52.    102.      18.   2358.70
      .08     4.82    17.56     5.01    .060     .035     .060    .000  2353.80  9938.07
  .008084     160.     160.     160.      20       11        0     .00   101.05 10039.12


*SECNO 790.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  790.000     9.30  2376.40  2376.40     .00  2378.41     2.01     4.43      .27  2374.30
   14038.      16.    8433.    5589.      7.     600.    1087.    117.      22.   2371.70
      .09     2.14    14.06     5.14    .065     .035     .065    .000  2367.10  9674.08
   008723     540.     530.     520.      20       19        0     .00   430.68 10104.76
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 870.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  870.000     8.56  2384.36  2384.36      .00  2386.92     2.56     4.53      .17  2382.90
   14038.       1.     5549.     8489.       1.     313.    1030.     132.      25.   2379.20
      .10     1.32    17.70     8.24     .065     .035     .065     .000  2375.80  9972.43
  .014060     430.     420.     410.       20       11        0      .00   265.20 10237.64


*SECNO 940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  940.000    10.98  2393.38  2393.38      .00  2395.50     2.12     4.47      .04  2389.00
   14038.    6976.     7062.       0.    1124.     462.       0.     144.      28.   2397.50
      .11     6.21    15.27      .00     .065     .035     .000     .000  2382.40  9657.52
  .010318     360.     370.     390.       20       11        0      .00   357.75 10015.27


*SECNO 1030.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1030.000    12.50  2405.20  2405.20      .00  2408.48     3.28     4.17      .35  2394.00
   14038.     592.     7902.     5544.     105.     429.     799.     160.      31.   2395.20
      .12     5.64    18.41     6.93     .065     .035     .065     .000  2392.70  9970.06
  .007261     460.     500.     480.       20        8        0      .00   203.01 10173.07


*SECNO 1140.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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Q AT 11A

1140.000	13.23	2419.23	2419.23	.00	2423.25	4.02	4.61	.22	2409.60
14016.	890.	11338.	1788.	144.	644.	257.	176.	33.	2409.40
.13	6.17	17.60	6.96	.065	.040	.065	.000	2406.00	9944.62
.008858	600.	580.	560.	20	8	0	.00	137.36	10081.98

*SECNO 1230.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1230.000	16.01	2434.11	2434.11	.00	2439.29	5.18	4.14	.35	2423.20
14016.	379.	9046.	4591.	63.	420.	453.	187.	34.	2420.90
.14	6.04	21.52	10.14	.060	.035	.060	.000	2418.10	9969.17
.008160	480.	480.	510.	20	11	0	.00	94.48	10063.65

*SECNO 1340.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1340.000	17.01	2457.11	2457.11	.00	2461.50	4.39	5.93	.08	2447.70
14016.	920.	10056.	3040.	99.	533.	304.	200.	35.	2446.00
.15	9.34	18.86	10.02	.060	.050	.060	.000	2440.10	9976.09
.013206	580.	580.	580.	20	8	0	.00	109.77	10085.86

*SECNO 1400.000

3301 HV CHANGED MORE THAN HVINS

1400.000	12.76	2462.66	.00	.00	2465.92	3.26	4.31	.11	2455.70
14016.	2915.	6438.	4663.	339.	347.	443.	207.	36.	2452.40
.16	8.59	18.53	10.53	.065	.045	.065	.000	2449.90	9920.68
.013853	330.	320.	310.	4	0	0	.00	159.73	10080.41

*SECNO 1540.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

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


3720 CRITICAL DEPTH ASSUMED
 1540.000    14.41  2480.60  2480.60      .00  2485.05     4.45     8.32      .36  2467.60
   14016.    3689.    9361.     967.     388.     475.     150.     225.      39.  2469.70
      .17     9.52    19.72     6.44     .065     .040     .065     .000  2466.20  9941.00
  .009329     710.     740.     770.       20        8        0      .00   113.87 10054.87


*SECNO 1630.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1630.000    15.38  2491.38  2491.38      .00  2496.77     5.38     4.32      .28  2478.60
   14016.    1377.   11114.    1525.     180.     542.     182.     236.      40.  2477.40
      .18     7.64    20.50     8.36     .065     .040     .065     .000  2476.00  9947.79
  .008708     480.     480.     470.       20        8        0      .00    90.33 10038.12


*SECNO 1740.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1740.000    11.67  2501.77  2501.77      .00  2505.70     3.92     5.44      .15  2495.20
   14016.    3706.   10292.      17.     445.     576.       7.     249.      41.  2499.20
      .19     8.34    17.86     2.53     .065     .035     .065     .000  2490.10  9891.69
  .010075     590.     580.     570.       20       15        0      .00   136.06 10027.75


*SECNO 1850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 12A
 1850.000    14.47  2529.97  2529.97      .00  2534.99     5.02     6.68      .33  2519.30
   12075.     515.    10394.    1166.      72.     545.     134.     261.      43.  2518.30
      .19     7.13    19.09     8.71     .065     .050     .065     .000  2515.50  9979.68
  .013536     590.     580.     580.       20       11        0      .00    78.89 10058.58
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1970.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1970.000	9.59	2549.29	2549.29	.00	2552.66	3.37	9.41	.16	2542.10
12075.	1209.	6797.	4070.	138.	389.	386.	273.	44.	2541.50
.21	8.78	17.47	10.53	.065	.045	.065	.000	2539.70	9945.73
.016327	600.	630.	660.	20	14	0	.00	136.40	10082.13

*SECNO 2070.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
CRITICAL DEPTH ASSUMED

0.000	13.75	2578.95	2578.95	.00	2583.88	4.94	7.39	.47	2565.80
12075.	388.	8918.	2769.	63.	447.	281.	283.	46.	2566.20
.22	6.13	19.96	9.85	.065	.045	.065	.000	2565.20	9974.68
.011778	500.	530.	560.	20	11	0	.00	82.91	10057.59

*SECNO 2120.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2120.000	10.81	2589.91	2589.91	.00	2594.41	4.51	3.21	.04	2579.80
12075.	306.	10485.	1284.	51.	583.	147.	288.	46.	2580.10
.22	6.04	18.00	8.74	.065	.045	.065	.000	2579.10	9954.87
.012841	310.	260.	260.	20	15	0	.00	93.47	10048.35

*SECNO 2190.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2190.000	8.77	2600.77	2600.77	.00	2603.84	3.06	5.21	.14	2595.40
12075.	394.	7178.	4503.	53.	442.	444.	295.	47.	2593.40
.23	7.43	16.26	10.15	.060	.045	.060	.000	2592.00	9960.63
.015690	380.	370.	360.	20	15	0	.00	155.46	10116.09

*SECNO 2300.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2300.000	9.86	2622.56	2622.56	.00	2626.75	4.19	8.41	.34	2614.40
12075.	314.	11492.	269.	49.	685.	43.	307.	49.	2614.80
.24	6.45	16.78	6.21	.060	.045	.060	.000	2612.70	9934.26
.013433	580.	580.	580.	20	8	0	.00	96.79	10031.05

) 2400.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2400.000	9.95	2637.85	2637.85	.00	2641.51	3.65	7.48	.05	2629.70
12075.	3678.	7422.	975.	327.	421.	111.	317.	50.	2629.10
.25	11.23	17.61	8.82	.060	.045	.060	.000	2627.90	9928.19
.014637	560.	530.	500.	20	5	0	.00	117.96	10046.15

*SECNO 2470.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2470.000	9.33	2651.03	2651.03	.00	2653.87	2.84	5.60	.08	2643.20
12075.	3294.	8710.	71.	378.	581.	15.	325.	52.	2645.80
.26	8.70	15.00	4.82	.060	.050	.060	.000	2641.70	9856.60
.015890	360.	370.	380.	20	11	0	.00	176.03	10032.64

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


*SECNO 2580.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2580.000     7.88  2673.38  2673.38      .00  2676.56     3.18    10.16      .10  2667.50
   12075.    5901.     5659.     514.     540.     323.      71.     337.      54.   2666.00
      .27    10.93     17.54     7.27     .065     .045     .065     .000  2665.50  9900.99
  .019421     580.      580.     580.       20       15        0      .00   150.19 10051.18


*SECNO 2710.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        Q AT 14A
 2710.000     3.71  2699.11  2699.11      .00  2700.31     1.21    13.64      .20  2695.40
     747.      116.     1631.       0.      22.     181.       0.     346.      56.   2704.10
      .29     5.18      9.01      .00     .065     .045     .000     .000  2695.40  9955.87
  .023945     670.      690.     710.       20       14        0      .00    88.58 10044.45


*SECNO 2790.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2790.000     3.91  2718.41  2718.41      .00  2719.60     1.19     9.45      .00  2717.30
    1747.       2.     1226.     519.       1.     124.      98.     348.      57.   2716.60
      .30     1.99      9.85     5.31     .065     .045     .065     .000  2714.50  9979.12
  .021173     420.      420.     420.       12        8        0      .00    93.65 10072.76


*SECNO 2850.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2850.000     6.14  2735.04  2735.04      .00  2736.92     1.88     5.89      .21  2731.40
    1747.     201.     1475.      71.      47.     125.      16.     350.      57.   2729.40
      .31     4.29     11.84     4.37     .070     .050     .070     .000  2728.90  9963.21
  .016604     300.      320.     300.       20       14        0      .00    51.88 10015.09
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 2910.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2910.000     5.65  2751.15  2751.15      .00  2752.43     1.28     6.13      .06  2756.60
    1747.       0.     1438.     309.       0.     147.      69.     351.      58.   2748.50
      .32      .00      9.78     4.49     .000     .050     .070     .000  2745.50  9989.47
  .022417     350.     320.     300.       20       15        0      .00    90.12 10079.59


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3010.000     4.08  2781.98  2781.98      .00  2783.26     1.28    13.14      .00  2782.00
    1747.       0.     1605.     142.       0.     172.      26.     354.      59.   2778.80
      .34      .00      9.33     5.52     .000     .050     .060     .000  2777.90  9970.98
    .7431     520.     530.     540.       20       19        0      .00    81.22 10052.20


*SECNO 3080.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3080.000     5.05  2802.05  2802.05      .00  2803.45     1.39     9.44      .03  2800.70
    1747.       4.     1436.     307.       1.     145.      44.     355.      59.   2800.00
      .35     3.27      9.92     7.05     .050     .050     .050     .000  2797.00  9974.42
  .023458     350.     370.     390.       17       11        0      .00    69.27 10043.69


*SECNO 3150.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3150.000     6.79  2825.39  2825.39      .00  2827.06     1.67     7.89      .08  2821.80
    1747.     209.     1485.      53.      47.     134.      16.     357.      60.   2822.40
      .36     4.49     11.11     3.31     .080     .050     .080     .000  2818.60  9957.17
  .019519     380.     370.     360.       20       11        0      .00    63.05 10020.21
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:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 3210.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3210.000	4.57	2842.17	2842.17	.00	2843.72	1.56	7.93	.01	2839.30
1747.	39.	1202.	506.	10.	107.	77.	358.	60.	2838.80
.37	4.02	11.27	6.61	.080	.060	.080	.000	2837.60	9988.01
.032264	310.	320.	330.	20	14	0	.00	63.75	10051.76

*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3320.000	5.55	2874.85	2874.85	.00	2876.38	1.53	12.84	.00	2873.00
1747.	168.	1579.	0.	50.	152.	0.	361.	61.	2880.80
.38	3.39	10.39	.00	.070	.045	.000	.000	2869.30	9935.88
.016172	590.	580.	570.	12	11	0	.00	75.15	10011.03

'O 3410.000
20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3410.000	6.14	2897.14	2897.14	.00	2898.65	1.51	7.56	.00	2894.50
1747.	250.	1497.	0.	61.	142.	0.	363.	62.	2896.80
.40	4.10	10.53	.03	.065	.045	.065	.000	2891.00	9953.69
.015188	500.	480.	460.	20	8	0	.00	68.71	10022.40

*SECNO 3480.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3480.000	6.72	2916.92	2916.92	.00	2918.72	1.80	6.31	.09	2912.70
1747.	514.	1233.	0.	77.	102.	0.	365.	63.	2917.20
.41	6.71	12.06	.00	.065	.045	.000	.000	2910.20	9967.50
.018821	390.	370.	350.	20	8	0	.00	47.23	10014.73

*SECNO 3530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3530.000	5.40	2938.20	2938.20	.00	2939.56	1.36	4.93	.04	2935.80
1747.	68.	1346.	333.	18.	131.	64.	366.	63.	2936.50
.42	3.75	10.30	5.22	.065	.050	.065	.000	2932.80	9970.77
.019235	250.	260.	270.	20	15	0	.00	80.14	10050.91

*SECNO 3610.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3610.000	6.91	2963.31	2963.31	.00	2965.20	1.89	7.65	.16	2958.70
1747.	542.	1142.	64.	86.	89.	14.	368.	64.	2956.40
.43	6.33	12.90	4.42	.065	.050	.065	.000	2956.40	9961.92
.017274	420.	420.	420.	20	11	0	.00	47.85	10009.76

'O 3710.000
20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3710.000	5.78	2994.18	2994.18	.00	2995.78	1.61	10.16	.03	2989.90
1747.	130.	1138.	479.	23.	98.	68.	370.	64.	2990.30
.44	5.72	11.59	7.03	.060	.050	.060	.000	2988.40	9979.58
.021374	540.	530.	520.	20	15	0	.00	60.99	10040.57

*SECNO 3790.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3790.000	7.63	3017.63	3017.63	.00	3019.69	2.05	7.44	.13	3013.80
1747.	189.	1536.	22.	32.	127.	6.	372.	65.	3013.50
.45	5.83	12.09	3.97	.050	.045	.050	.000	3010.00	9974.68
.015029	420.	420.	410.	20	11	0	.00	41.55	10016.23

*SECNO 3920.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

:NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3920.000	7.26	3059.46	3059.46	.00	3061.55	2.09	12.09	.01	3053.60
1747.	560.	1150.	37.	73.	87.	9.	375.	65.	3056.20
.47	7.71	13.24	4.08	.065	.050	.065	.000	3052.20	9977.53
.020307	720.	690.	660.	20	11	0	.00	41.68	10019.21

*SECNO 4010.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4010.000	5.18	3091.38	3091.38	.00	3092.77	1.38	9.93	.07	3088.60
1747.	722.	1019.	6.	119.	90.	2.	377.	66.	3089.10
.48	6.05	11.27	2.74	.065	.050	.065	.000	3086.20	9943.94
.021391	470.	480.	490.	20	19	0	.00	73.51	10017.45

'O 4080.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4080.000	8.97	3118.57	3118.57	.00	3120.48	1.91	6.79	.16	3119.60
1747.	0.	1490.	257.	0.	126.	49.	378.	66.	3114.70
.49	.00	11.82	5.25	.000	.045	.060	.000	3109.60	9986.90
.015689	390.	370.	350.	20	14	0	.00	45.31	10032.21

*SECNO 4170.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4170.000	8.07	3158.87	3158.87	.00	3161.36	2.49	10.66	.17	3153.20
1747.	217.	1530.	0.	26.	116.	0.	380.	67.	3159.00
.50	8.21	13.18	.00	.060	.060	.000	.000	3150.80	9983.67
.033811	450.	480.	510.	20	15	0	.00	29.87	10013.54

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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 4260.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4260.000     6.00  3200.10  3200.10      .00  3201.76     1.66    12.38      .08  3196.70
    1747.      454.     1220.      73.      60.     107.      12.     382.      67.  3194.40
      .52     7.61     11.37     6.00     .050     .050     .050     .000  3194.10  9957.09
  .020073     500.      480.     460.       20       19        0      .00    54.35 10011.44


*SECNO 4340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4340.000     7.12  3230.82  3230.82      .00  3232.60     1.78     7.51      .04  3231.40
    1747.       0.     1598.     149.       0.     144.      28.     384.      68.  3227.60
      .53      .00     11.08     5.32     .000     .045     .050     .000  3223.70  9982.48
    .6028     420.      420.     420.       20       11        0      .00    48.37 10030.85


*SECNO 4450.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4450.000     8.43  3289.93  3289.93      .00  3292.25     2.32    10.83      .16  3287.90
    1747.       9.     1686.      52.       3.     136.      10.     386.      68.  3286.80
      .54     3.20     12.41     5.18     .060     .050     .060     .000  3281.50  9983.07
  .022019     580.      580.     580.       20       11        0      .00    35.12 10018.19


*SECNO 4520.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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..NO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
4520.000	5.82	3322.62	3322.62	.00	3324.37	1.74	8.29	.06	3323.80
1747.	0.	1259.	488.	0.	109.	65.	387.	69.	3318.40
.55	.00	11.57	7.54	.000	.050	.060	.000	3316.80	9986.00
.022976	380.	370.	360.	20	19	0	.00	50.36	10036.36

THIS RUN EXECUTED 2/26/90 16: 5:42

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

COTTONWOOD WASH (CW.DAT)

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	37800.000	2286.50	5952.00	3.80	1.72	9.41	.00	24.57	5927.43	.00	240.72	84.70	.00
*	37800.000	2287.48	9253.00	4.78	2.64	10.79	.54	148.11	9104.78	.11	280.40	79.85	.00
*	37800.000	2287.94	10956.00	5.24	2.95	11.32	1.21	250.87	10702.12	3.01	299.03	75.52	.00
	300.000	2288.76	14038.00	6.06	3.41	11.98	1.97	515.56	13497.20	25.24	331.56	67.06	.00
*	130.000	2302.95	5952.00	5.85	6.95	13.59	4.45	2155.33	3642.96	153.71	150.10	87.35	16.45
*	130.000	2304.35	9253.00	7.25	8.29	15.77	6.04	3498.50	5385.68	368.82	153.38	85.16	16.86
*	130.000	2304.99	10956.00	7.89	8.85	16.69	6.66	4197.32	6265.59	493.09	154.88	84.17	17.05
*	130.000	2306.07	14038.00	8.97	9.72	18.14	7.59	5469.40	7834.59	734.01	157.41	82.39	17.31
*	220.000	2310.82	5952.00	6.12	2.83	9.77	.00	4.01	5947.99	.00	217.32	221.39	7.86
*	220.000	2311.78	9253.00	7.08	4.11	11.29	.00	20.31	9232.69	.00	223.55	204.15	7.43
*	220.000	2312.27	10956.00	7.57	4.57	11.81	1.18	34.37	10921.50	.12	225.71	190.13	7.28
*	220.000	2313.03	14038.00	8.33	5.27	12.79	2.41	66.64	13969.04	2.32	228.60	178.80	6.97
*	320.000	2322.34	5952.00	8.34	4.80	12.24	.00	2251.81	3700.19	.00	248.04	58.44	11.53
*	320.000	2323.52	9253.00	9.52	5.82	14.00	.00	4210.94	5042.06	.00	280.57	63.35	11.74
*	320.000	2324.08	10956.00	10.08	6.20	14.57	.00	5305.53	5650.47	.00	295.82	63.47	11.81
*	320.000	2324.89	14038.00	10.89	6.90	15.62	.02	7335.09	6702.91	.00	315.00	65.67	11.86
*	450.000	2333.46	5952.00	6.76	3.91	12.55	2.57	354.72	5583.99	13.29	132.11	65.07	11.12
*	450.000	2335.13	9253.00	8.43	5.01	14.33	3.49	940.56	8265.92	46.52	151.55	59.93	11.61
*	450.000	2335.98	10956.00	9.28	5.36	14.83	4.01	1328.83	9550.90	76.27	161.78	55.37	11.90
*	450.000	2337.22	14038.00	10.52	6.05	15.88	4.63	2126.37	11776.96	134.67	179.87	52.64	12.32
*	510.000	2341.12	5952.00	8.92	4.44	15.84	9.54	58.97	4391.17	1501.86	70.00	112.09	7.66
*	510.000	2343.39	9253.00	11.19	5.24	18.23	11.37	122.96	6464.03	2666.01	74.71	106.87	8.26
*	510.000	2344.44	10956.00	12.24	5.58	19.23	12.09	162.12	7500.35	3293.53	76.86	104.74	8.45
*	510.000	2346.24	14038.00	14.04	6.06	20.66	13.08	243.44	9322.04	4472.52	80.58	99.51	9.02
*	570.000	2349.00	5952.00	8.70	4.45	13.74	8.98	35.58	3941.12	1975.29	109.30	140.93	7.88
*	570.000	2350.66	9253.00	10.36	5.42	15.78	10.53	86.87	5857.66	3308.47	115.70	131.76	7.27
*	570.000	2351.42	10956.00	11.12	5.80	16.59	11.22	119.51	6796.85	4039.64	118.86	127.75	6.98
*	570.000	2352.67	14038.00	12.37	6.40	17.89	12.26	188.05	8465.06	5384.89	124.07	122.67	6.43

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	660.000	2358.12	5952.00	6.92	3.71	12.40	3.28	99.19	5646.99	205.82	138.86	93.59	9.12
*	660.000	2359.84	9253.00	8.64	4.34	13.83	4.35	237.23	8364.84	650.93	170.22	79.85	9.18
*	660.000	2360.61	10956.00	9.41	4.59	14.41	4.73	321.76	9667.68	966.55	186.35	75.46	9.19
*	660.000	2361.77	14038.00	10.57	5.36	15.42	5.34	519.24	11896.68	1622.09	200.11	71.66	9.10
*	690.000	2362.22	5952.00	8.42	2.27	13.49	3.29	7.76	5910.29	33.95	86.86	102.07	4.10
*	690.000	2364.15	9253.00	10.35	3.36	15.48	4.16	43.99	9105.97	103.03	93.33	90.74	4.31
*	690.000	2365.08	10956.00	11.28	3.76	16.25	4.49	75.07	10728.61	152.31	96.44	85.70	4.47
*	690.000	2366.56	14038.00	12.76	4.82	17.56	5.01	162.59	13617.16	258.24	101.05	80.84	4.79
*	790.000	2374.28	5952.00	7.18	.00	10.78	3.53	.00	4433.18	1518.82	360.30	84.53	12.06
*	790.000	2375.36	9253.00	8.26	1.30	12.06	4.18	2.50	6121.68	3128.82	405.71	80.03	11.21
*	790.000	2375.73	10956.00	8.63	1.64	12.95	4.58	5.64	6993.37	3956.99	418.06	85.09	10.65
*	790.000	2376.40	14038.00	9.30	2.14	14.06	5.14	16.03	8432.61	5589.36	430.68	87.23	9.84
*	870.000	2382.05	5952.00	6.25	.00	13.07	5.81	.00	2734.88	3217.12	238.69	124.82	7.78
*	870.000	2383.03	9253.00	7.23	.03	15.48	7.13	.00	3917.83	5335.16	250.54	143.13	7.67
*	870.000	2383.54	10956.00	7.74	.76	16.31	7.54	.08	4507.15	6448.76	256.19	141.27	7.81
*	870.000	2384.36	14038.00	8.56	1.32	17.70	8.24	.74	5548.60	8488.66	265.20	140.60	7.96
*	940.000	2391.11	5952.00	8.71	4.61	11.81	.00	2167.85	3784.15	.00	303.59	95.71	9.05
*	940.000	2392.29	9253.00	9.89	5.07	13.10	.00	4086.34	5166.66	.00	352.18	91.76	9.26
*	940.000	2392.74	10956.00	10.34	5.46	13.83	.00	5111.49	5844.51	.00	356.01	94.19	9.20
	940.000	2393.38	14038.00	10.98	6.21	15.27	.00	6976.12	7061.88	.00	357.75	103.18	9.02
*	1030.000	2401.21	5952.00	8.51	4.40	14.74	5.31	190.93	4139.48	1621.60	135.24	82.03	10.11
*	1030.000	2403.13	9253.00	10.43	4.93	16.43	6.04	343.43	5787.57	3122.00	179.12	75.26	10.84
*	1030.000	2403.90	10956.00	11.20	5.20	17.28	6.41	425.06	6579.96	3950.98	187.79	75.10	11.15
*	1030.000	2405.20	14038.00	12.50	5.64	18.41	6.93	591.60	7902.50	5543.91	203.01	72.61	11.82
*	1140.000	2414.72	5905.00	8.72	4.03	13.92	4.52	150.63	5410.77	343.59	101.27	108.62	13.50
*	1140.000	2416.86	9202.00	10.86	4.88	15.64	5.55	389.94	7980.89	831.17	119.87	95.46	13.73
*	1140.000	2417.81	10925.00	11.81	5.21	16.36	6.16	540.18	9219.88	1164.93	127.57	91.44	13.91
*	1140.000	2419.23	14016.00	13.23	6.17	17.60	6.96	890.10	11338.37	1787.53	137.36	88.58	14.03
*	1230.000	2428.96	5905.00	10.86	3.81	16.40	7.32	66.63	4307.06	1531.31	78.71	88.79	14.24
*	1230.000	2431.27	9202.00	13.17	4.70	18.94	8.76	161.23	6311.17	2729.60	85.80	86.16	14.40
*	1230.000	2432.41	10925.00	14.31	5.04	19.85	9.27	224.95	7305.87	3394.18	89.31	82.85	14.60
*	1230.000	2434.11	14016.00	16.01	6.04	21.52	10.14	378.86	9046.05	4591.10	94.48	81.60	14.88
*	1340.000	2451.97	5905.00	11.87	5.15	15.19	6.59	128.08	5218.82	558.09	77.66	153.86	23.01
*	1340.000	2454.51	9202.00	14.41	7.49	16.73	8.26	428.39	7317.85	1455.76	93.66	135.50	23.24
*	1340.000	2455.50	10925.00	15.40	8.28	17.60	9.01	595.46	8340.46	1989.07	99.80	134.67	23.09
*	1340.000	2457.11	14016.00	17.01	9.34	18.86	10.02	920.13	10055.89	3039.98	109.77	132.06	22.99
*	1400.000	2459.09	5905.00	9.19	5.28	14.43	7.83	698.84	3362.32	1843.83	137.88	142.98	7.12
*	1400.000	2460.66	9202.00	10.76	6.94	16.60	9.24	1518.01	4706.96	2977.02	146.69	145.86	6.16
*	1400.000	2461.37	10925.00	11.47	7.67	17.53	9.82	1990.36	5365.68	3568.96	151.17	146.81	5.87
	1400.000	2462.66	14016.00	12.76	8.59	18.53	10.53	2914.58	6438.36	4663.06	159.73	138.53	5.55

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	1540.000	2475.68	5905.00	9.48	6.95	15.40	4.37	1193.62	4537.90	173.48	91.27	107.28	16.59
*	1540.000	2477.85	9202.00	11.65	8.29	17.66	5.36	2170.43	6604.85	426.72	101.38	102.69	17.19
*	1540.000	2478.85	10925.00	12.65	8.84	18.60	5.76	2702.42	7631.44	591.13	106.01	100.68	17.48
*	1540.000	2480.60	14016.00	14.41	9.52	19.72	6.44	3688.51	9360.63	966.86	113.87	93.29	17.95
*	1630.000	2485.61	5905.00	9.61	5.61	15.92	6.30	295.58	5192.72	416.71	68.30	103.44	9.93
*	1630.000	2488.17	9202.00	12.17	6.58	18.29	7.45	657.10	7718.13	826.77	78.41	96.80	10.32
*	1630.000	2489.32	10925.00	13.32	6.98	19.31	7.89	879.85	8982.88	1062.28	82.95	94.81	10.48
*	1630.000	2491.38	14016.00	15.38	7.64	20.50	8.36	1377.00	11113.66	1525.34	90.33	87.08	10.78
*	1740.000	2498.19	5905.00	8.09	5.75	13.41	.00	1236.09	4668.91	.00	123.49	107.50	12.58
*	1740.000	2499.75	9202.00	9.65	7.09	15.62	.94	2216.32	6985.38	.30	128.57	107.96	11.58
*	1740.000	2500.51	10925.00	10.41	7.59	16.51	1.65	2741.04	8181.03	2.93	131.36	105.38	11.18
*	1740.000	2501.77	14016.00	11.67	8.34	17.86	2.53	3706.38	10292.16	17.46	136.06	100.75	10.39
*	1850.000	2524.42	5127.00	8.92	4.83	15.20	5.91	80.15	4833.08	213.77	59.12	175.94	26.23
*	1850.000	2526.84	7963.00	11.34	5.97	17.40	7.05	215.23	7250.61	497.15	66.88	160.63	27.09
*	1850.000	2528.10	9424.00	12.60	6.32	17.93	7.68	310.27	8399.19	714.54	71.36	146.15	27.60
*	1850.000	2529.97	12075.00	14.47	7.13	19.09	8.71	515.43	10393.57	1165.99	78.89	135.36	28.20
*	1970.000	2546.05	5127.00	6.35	5.84	13.43	8.14	318.87	3218.46	1589.67	121.55	183.97	21.63
*	1970.000	2547.55	7963.00	7.85	7.34	15.31	9.14	663.95	4729.13	2569.91	130.42	170.64	20.71
*	1970.000	2548.20	9424.00	8.50	7.93	16.17	9.69	850.45	5475.97	3097.57	132.64	168.41	20.09
*	1970.000	2549.29	12075.00	9.59	8.78	17.47	10.53	1208.81	6796.67	4069.52	136.40	163.27	19.32
*	2070.000	2574.01	5127.00	8.81	4.68	15.26	6.81	115.34	4261.11	750.55	69.67	128.74	27.96
*	2070.000	2576.26	7963.00	11.06	5.38	17.52	8.33	215.21	6230.33	1517.46	75.71	122.96	28.71
*	2070.000	2577.27	9424.00	12.07	5.67	18.47	8.94	273.05	7203.95	1947.00	78.42	120.88	29.08
*	2070.000	2578.95	12075.00	13.75	6.13	19.96	9.85	387.59	8918.28	2769.12	82.91	117.78	29.65
*	2120.000	2585.56	5127.00	6.46	4.54	13.81	6.41	74.68	4730.82	321.50	77.29	153.50	11.55
*	2120.000	2587.52	7963.00	8.42	5.27	15.84	7.67	155.74	7138.08	669.18	84.50	140.01	11.26
*	2120.000	2588.42	9424.00	9.32	5.57	16.68	8.11	205.17	8344.37	874.46	87.88	135.14	11.14
*	2120.000	2589.91	12075.00	10.81	6.04	18.00	8.74	306.11	10484.56	1284.33	93.47	128.41	10.96
*	2190.000	2597.82	5127.00	5.82	5.01	12.49	7.47	83.48	3435.66	1607.85	135.17	173.92	12.27
*	2190.000	2599.17	7963.00	7.17	6.28	14.31	8.75	195.11	5021.66	2746.23	145.76	165.18	11.65
*	2190.000	2599.78	9424.00	7.78	6.74	15.05	9.28	261.67	5801.92	3360.41	149.77	161.26	11.36
*	2190.000	2600.77	12075.00	8.77	7.43	16.26	10.15	393.65	7178.25	4503.09	155.46	156.90	10.87
*	2300.000	2618.56	5127.00	5.86	4.60	12.88	4.28	58.25	5025.21	43.54	85.20	167.45	20.74
*	2300.000	2620.31	7963.00	7.61	5.53	14.84	5.26	141.59	7706.48	114.93	90.28	151.87	21.15
*	2300.000	2621.13	9424.00	8.43	5.91	15.64	5.65	195.94	9065.22	162.84	92.65	145.72	21.35
*	2300.000	2622.56	12075.00	9.86	6.45	16.78	6.21	314.15	11492.04	268.81	96.79	134.33	21.78
*	2400.000	2634.15	5127.00	6.25	8.66	13.77	5.88	1419.78	3487.76	219.47	100.06	176.29	15.59
*	2400.000	2635.83	7963.00	7.93	9.89	15.65	7.35	2317.85	5158.75	486.41	108.61	160.23	15.52
*	2400.000	2636.58	9424.00	8.68	10.40	16.47	8.00	2785.26	5988.08	650.65	112.31	155.82	15.45
*	2400.000	2637.85	12075.00	9.95	11.23	17.61	8.82	3677.62	7422.37	975.01	117.96	146.37	15.29

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	2470.000	2648.00	5127.00	6.30	6.44	11.78	2.91	834.26	4285.13	7.60	135.72	182.94	13.85
*	2470.000	2649.43	7963.00	7.73	7.53	13.28	3.87	1744.57	6190.92	27.51	157.33	167.07	13.60
*	2470.000	2650.05	9424.00	8.35	7.96	13.93	4.25	2267.22	7115.41	41.37	166.74	162.83	13.47
*	2470.000	2651.03	12075.00	9.33	8.70	15.00	4.82	3293.55	8710.50	70.95	176.03	158.90	13.17
*	2580.000	2670.44	5127.00	4.94	8.14	13.37	5.51	2373.39	2612.75	140.86	135.53	220.40	22.43
*	2580.000	2671.76	7963.00	6.26	9.51	15.39	6.36	3806.35	3883.00	273.65	142.10	207.28	22.33
*	2580.000	2672.36	9424.00	6.86	10.07	16.23	6.71	4549.08	4521.79	353.14	145.12	202.13	22.31
*	2580.000	2673.38	12075.00	7.88	10.93	17.54	7.27	5901.33	5659.35	514.32	150.19	194.21	22.36
*	2710.000	2698.04	746.00	2.64	4.58	6.89	.00	51.95	694.04	.00	83.07	294.11	27.61
*	2710.000	2698.52	1154.00	3.12	4.83	7.90	.00	76.34	1077.65	.00	85.54	261.86	26.77
*	2710.000	2698.76	1366.00	3.36	4.92	8.28	.00	89.86	1276.14	.00	86.75	246.88	26.39
*	2710.000	2699.11	1747.00	3.71	5.18	9.01	.00	115.50	1631.50	.00	88.58	239.45	25.73
*	2790.000	2717.35	746.00	2.85	.03	7.39	3.37	.00	591.16	154.84	89.62	214.34	19.31
*	2790.000	2717.82	1154.00	3.32	1.22	8.58	4.32	.25	856.75	296.99	91.42	215.13	19.30
*	2790.000	2718.05	1366.00	3.55	1.54	9.07	4.71	.65	990.39	374.96	92.26	213.86	19.29
*	2790.000	2718.41	1747.00	3.91	1.99	9.85	5.31	1.86	1226.01	519.13	93.65	211.73	19.30
*	2850.000	2732.67	746.00	3.77	2.37	9.78	3.59	13.50	712.84	19.66	34.17	231.73	15.31
*	2850.000	2733.76	1154.00	4.86	3.29	10.85	4.00	65.23	1049.75	39.02	43.07	195.79	15.93
*	2850.000	2734.24	1366.00	5.34	3.63	11.31	4.17	104.02	1211.82	50.15	46.99	185.19	16.19
*	2850.000	2735.04	1747.00	6.14	4.29	11.84	4.37	200.83	1474.78	71.39	51.88	166.04	16.63
*	2910.000	2749.77	746.00	4.27	.00	7.82	2.53	.00	704.10	41.90	66.74	261.19	17.10
*	2910.000	2750.47	1154.00	4.97	.00	8.55	3.51	.00	1015.66	138.34	79.26	221.58	16.71
*	2910.000	2750.74	1366.00	5.24	.00	9.00	3.91	.00	1169.89	196.11	83.54	220.61	16.50
*	2910.000	2751.15	1747.00	5.65	.00	9.78	4.49	.00	1438.27	308.73	90.12	224.17	16.11
*	3010.000	2780.78	746.00	2.88	.00	7.27	4.39	.00	702.31	43.69	70.68	327.40	31.01
*	3010.000	2781.32	1154.00	3.42	.00	8.27	4.92	.00	1074.52	79.48	75.43	297.86	30.85
*	3010.000	2781.57	1366.00	3.67	.00	8.67	5.14	.00	1265.38	100.61	77.64	286.59	30.83
*	3010.000	2781.98	1747.00	4.08	.00	9.33	5.52	.00	1605.02	141.98	81.22	274.31	30.83
*	3080.000	2800.81	746.00	3.81	.05	7.61	4.08	.00	680.07	65.93	65.40	262.05	20.03
*	3080.000	2801.38	1154.00	4.38	1.87	8.65	5.57	.50	994.74	158.76	67.13	242.13	20.07
*	3080.000	2801.64	1366.00	4.64	2.47	9.14	6.16	1.26	1154.49	210.25	67.94	239.16	20.07
*	3080.000	2802.05	1747.00	5.05	3.27	9.92	7.05	3.57	1435.94	307.50	69.27	234.58	20.08
*	3150.000	2823.56	746.00	4.96	2.66	8.85	1.98	31.91	709.36	4.73	47.04	245.54	22.75
*	3150.000	2824.43	1154.00	5.83	3.53	9.88	2.66	92.85	1041.79	19.36	55.36	212.16	23.04
*	3150.000	2824.80	1366.00	6.20	3.93	10.34	2.92	132.68	1203.48	29.85	58.35	203.28	23.16
*	3150.000	2825.39	1747.00	6.79	4.49	11.11	3.31	209.39	1485.09	52.52	63.05	195.19	23.34
*	3210.000	2840.63	746.00	3.03	2.55	8.70	4.75	5.32	577.48	163.19	53.50	361.92	17.07
*	3210.000	2841.32	1154.00	3.72	3.28	9.96	5.70	15.84	841.29	296.86	58.10	344.14	16.89
*	3210.000	2841.64	1366.00	4.04	3.58	10.48	6.07	23.13	972.96	369.91	60.22	336.60	16.83
*	3210.000	2842.17	1747.00	4.57	4.02	11.27	6.61	39.06	1201.83	506.10	63.75	322.64	16.77

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3320.000	2872.90	746.00	3.60	.00	8.97	.00	.00	746.00	.00	34.39	245.51	32.27
*	3320.000	2873.94	1154.00	4.64	2.19	9.30	.00	40.94	1113.05	.00	64.41	171.90	32.63
*	3320.000	2874.31	1366.00	5.01	2.72	9.69	.00	81.69	1284.30	.00	68.73	165.01	32.67
*	3320.000	2874.85	1747.00	5.55	3.39	10.39	.00	168.44	1578.56	.00	75.15	161.72	32.69
*	3410.000	2895.12	746.00	4.12	1.52	9.31	.00	2.51	743.48	.00	33.80	213.86	22.22
*	3410.000	2896.30	1154.00	5.30	2.76	9.27	.00	87.11	1066.89	.00	64.97	148.04	22.35
*	3410.000	2896.65	1366.00	5.65	3.33	9.67	.00	145.17	1220.83	.00	66.78	147.71	22.34
*	3410.000	2897.14	1747.00	6.14	4.10	10.53	.03	250.32	1496.68	.00	68.71	151.88	22.29
*	3480.000	2915.05	746.00	4.85	3.97	9.47	.00	124.97	621.03	.00	40.12	173.74	19.93
*	3480.000	2915.90	1154.00	5.70	5.35	10.77	.00	273.20	880.80	.00	43.38	182.99	19.61
*	3480.000	2916.28	1366.00	6.08	5.91	11.31	.00	356.17	1009.83	.00	44.82	186.45	19.63
*	3480.000	2916.92	1747.00	6.72	6.71	12.06	.00	513.72	1233.28	.00	47.23	188.21	19.78
*	3530.000	2936.70	746.00	3.90	2.00	8.19	3.20	5.19	673.03	67.78	61.47	225.64	21.65
*	3530.000	2937.42	1154.00	4.62	2.81	9.18	4.14	23.39	966.59	164.02	70.66	203.82	21.51
*	3530.000	2937.75	1366.00	4.95	3.09	9.51	4.55	37.43	1103.95	224.62	75.10	192.25	21.47
*	3530.000	2938.20	1747.00	5.40	3.75	10.30	5.22	68.45	1345.66	332.89	80.14	192.35	21.28
*	3610.000	2961.30	746.00	4.90	3.68	10.21	3.63	113.16	606.57	26.27	41.06	184.13	24.60
*	3610.000	2962.32	1154.00	5.92	4.88	11.23	3.90	280.51	832.32	41.17	45.57	165.84	24.90
*	3610.000	2962.69	1366.00	6.29	5.47	11.90	4.11	370.61	946.40	48.99	46.43	169.54	24.94
*	3610.000	2963.31	1747.00	6.91	6.33	12.90	4.42	541.64	1141.84	63.53	47.85	172.74	25.11
*	3710.000	2992.57	746.00	4.17	4.36	9.01	4.91	38.52	568.65	138.83	49.42	232.88	31.27
*	3710.000	2993.30	1154.00	4.90	5.02	10.27	6.00	72.12	812.07	269.81	54.68	223.95	30.98
*	3710.000	2993.64	1366.00	5.24	5.29	10.78	6.42	91.76	931.50	342.74	57.10	219.36	30.95
*	3710.000	2994.18	1747.00	5.78	5.72	11.59	7.03	129.89	1137.98	479.13	60.99	213.74	30.87
*	3790.000	3015.30	746.00	5.30	3.43	9.79	2.65	17.14	726.03	2.84	30.54	201.96	22.73
*	3790.000	3016.37	1154.00	6.37	4.55	10.97	3.35	66.39	1078.53	9.08	35.95	174.19	23.06
*	3790.000	3016.81	1366.00	6.81	5.00	11.57	3.64	100.10	1252.77	13.13	38.19	170.24	23.17
*	3790.000	3017.63	1747.00	7.63	5.83	12.09	3.97	188.64	1535.99	22.37	41.55	150.29	23.45
*	3920.000	3057.38	746.00	5.18	5.02	10.15	2.09	161.79	581.75	2.46	33.09	207.46	42.08
*	3920.000	3058.35	1154.00	6.15	6.40	11.59	3.09	318.15	823.79	12.06	37.09	203.09	41.98
*	3920.000	3058.78	1366.00	6.58	6.91	12.20	3.48	403.52	942.84	19.65	38.89	201.48	41.98
*	3920.000	3059.46	1747.00	7.26	7.71	13.24	4.08	560.13	1150.24	36.63	41.68	203.07	41.83
*	4010.000	3090.08	746.00	3.88	3.73	8.46	1.48	203.23	542.16	.61	69.90	190.93	32.70
*	4010.000	3090.68	1154.00	4.48	4.83	9.82	2.09	404.58	747.20	2.22	71.55	204.19	32.33
*	4010.000	3090.95	1366.00	4.75	5.30	10.38	2.35	515.96	846.62	3.42	72.30	208.04	32.16
*	4010.000	3091.38	1747.00	5.18	6.05	11.27	2.74	722.29	1018.63	6.09	73.51	213.91	31.92
*	4080.000	3115.72	746.00	6.12	.00	10.67	2.33	.00	739.99	6.01	23.43	224.57	25.63
*	4080.000	3117.35	1154.00	7.75	.00	10.69	3.59	.00	1078.85	75.15	42.15	157.32	26.68
*	4080.000	3117.81	1366.00	8.21	.00	11.20	4.23	.00	1234.05	131.95	43.34	158.92	26.87
*	4080.000	3118.57	1747.00	8.97	.00	11.82	5.25	.00	1490.44	256.55	45.31	156.89	27.19

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	4170.000	3156.22	746.00	5.42	5.60	10.66	.00	42.17	703.82	.00	22.33	363.00	40.51
*	4170.000	3157.49	1154.00	6.69	6.85	11.80	.00	103.85	1050.15	.00	25.95	340.20	40.14
*	4170.000	3158.07	1366.00	7.27	7.33	12.23	.00	142.95	1223.05	.00	27.58	330.29	40.25
*	4170.000	3158.87	1747.00	8.07	8.21	13.18	.00	217.24	1529.75	.00	29.87	338.11	40.30
*	4260.000	3198.59	746.00	4.49	4.38	8.57	4.82	100.82	613.73	31.45	48.60	195.51	42.37
*	4260.000	3199.26	1154.00	5.16	6.05	10.01	5.45	231.67	874.61	47.73	51.13	204.92	41.77
*	4260.000	3199.58	1366.00	5.48	6.69	10.55	5.67	308.13	1001.47	56.41	52.34	204.00	41.51
*	4260.000	3200.10	1747.00	6.00	7.61	11.37	6.00	454.03	1220.46	72.51	54.35	200.73	41.24
*	4340.000	3228.57	746.00	4.87	.00	9.40	2.64	.00	739.26	6.74	32.37	211.55	29.98
*	4340.000	3229.63	1154.00	5.93	.00	10.25	3.99	.00	1109.69	44.30	40.04	181.22	30.37
*	4340.000	3230.08	1366.00	6.38	.00	10.61	4.47	.00	1291.66	74.34	43.35	173.17	30.51
*	4340.000	3230.82	1747.00	7.12	.00	11.08	5.32	.00	1598.24	148.76	48.37	160.28	30.72
*	4450.000	3287.60	746.00	6.10	.00	9.85	2.13	.00	744.59	1.41	26.71	289.12	59.03
*	4450.000	3288.63	1154.00	7.13	1.77	11.16	3.51	.64	1141.28	12.08	30.74	259.73	59.01
*	4450.000	3289.15	1366.00	7.65	2.41	11.58	4.11	2.55	1340.18	23.27	32.50	237.07	59.07
*	4450.000	3289.93	1747.00	8.43	3.20	12.41	5.18	8.85	1686.42	51.73	35.12	220.19	59.11
*	4520.000	3320.78	746.00	3.98	.00	9.26	5.34	.00	611.78	134.22	39.02	238.78	33.18
*	4520.000	3321.63	1154.00	4.83	.00	10.42	6.47	.00	886.18	267.82	44.23	235.26	32.99
*	4520.000	3322.01	1366.00	5.21	.00	10.87	6.90	.00	1022.15	343.85	46.59	232.86	32.86
*	4520.000	3322.62	1747.00	5.82	.00	11.57	7.54	.00	1258.70	488.29	50.36	229.76	32.70

.WOOD WASH (CW.DAT)

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	37800.000	.00	.00	.00	2282.70	5952.00	2286.50	2286.43	2287.87	84.70	9.41	644.20	646.74
*	37800.000	.00	.00	.00	2282.70	9253.00	2287.48	2287.48	2289.26	79.85	10.79	900.35	1035.46
*	37800.000	.00	.00	.00	2282.70	10956.00	2287.94	2287.94	2289.89	75.52	11.32	1033.25	1260.73
*	37800.000	.00	.00	.00	2282.70	14038.00	2288.76	2288.76	2290.91	67.06	11.98	1290.58	1714.23
*	130.000	890.00	.00	.00	2297.10	5952.00	2302.95	2302.95	2304.99	87.35	13.59	612.59	636.86
*	130.000	890.00	.00	.00	2297.10	9253.00	2304.35	2304.35	2307.02	85.16	15.77	824.49	1002.69
*	130.000	890.00	.00	.00	2297.10	10956.00	2304.99	2304.99	2307.96	84.17	16.69	923.46	1194.19
*	130.000	890.00	.00	.00	2297.10	14038.00	2306.07	2306.07	2309.54	82.39	18.14	1091.53	1546.60
*	220.000	480.00	.00	.00	2304.70	5952.00	2310.82	2310.82	2312.30	221.39	9.77	609.98	400.02
*	220.000	480.00	.00	.00	2304.70	9253.00	2311.78	2311.78	2313.76	204.15	11.29	822.88	647.59
*	220.000	480.00	.00	.00	2304.70	10956.00	2312.27	2312.27	2314.43	190.13	11.81	932.68	794.56
*	220.000	480.00	.00	.00	2304.70	14038.00	2313.03	2313.03	2315.56	178.80	12.79	1105.82	1049.85
*	320.000	530.00	.00	.00	2314.00	5952.00	2322.34	2322.34	2323.92	58.44	12.24	771.37	778.62
*	320.000	530.00	.00	.00	2314.00	9253.00	2323.52	2323.52	2325.42	63.35	14.00	1083.94	1162.52
*	320.000	530.00	.00	.00	2314.00	10956.00	2324.08	2324.08	2326.07	63.47	14.57	1243.80	1375.24
	320.000	530.00	.00	.00	2314.00	14038.00	2324.89	2324.89	2327.09	65.67	15.62	1493.06	1732.33
*	450.000	690.00	.00	.00	2326.70	5952.00	2333.46	2333.46	2335.77	65.07	12.55	540.68	737.86
*	450.000	690.00	.00	.00	2326.70	9253.00	2335.13	2335.13	2338.02	59.93	14.33	777.82	1195.30
*	450.000	690.00	.00	.00	2326.70	10956.00	2335.98	2335.98	2339.01	55.37	14.83	911.26	1472.31
*	450.000	690.00	.00	.00	2326.70	14038.00	2337.22	2337.22	2340.59	52.64	15.88	1122.03	1934.87
*	510.000	320.00	.00	.00	2332.20	5952.00	2341.12	2341.12	2344.35	112.09	15.84	447.84	562.19
*	510.000	320.00	.00	.00	2332.20	9253.00	2343.39	2343.39	2347.58	106.87	18.23	612.54	895.06
*	510.000	320.00	.00	.00	2332.20	10956.00	2344.44	2344.44	2349.06	104.74	19.23	691.52	1070.50
*	510.000	320.00	.00	.00	2332.20	14038.00	2346.24	2346.24	2351.49	99.51	20.66	833.27	1407.26
*	570.000	320.00	.00	.00	2340.30	5952.00	2349.00	2349.00	2351.36	140.93	13.74	514.72	501.37
*	570.000	320.00	.00	.00	2340.30	9253.00	2350.66	2350.66	2353.73	131.76	15.78	701.58	806.10
*	570.000	320.00	.00	.00	2340.30	10956.00	2351.42	2351.42	2354.80	127.75	16.59	790.28	969.31
*	570.000	320.00	.00	.00	2340.30	14038.00	2352.67	2352.67	2356.57	122.67	17.89	941.85	1267.45
*	660.000	480.00	.00	.00	2351.20	5952.00	2358.12	2358.12	2360.39	93.59	12.40	544.94	615.24
*	660.000	480.00	.00	.00	2351.20	9253.00	2359.84	2359.84	2362.56	79.85	13.83	809.12	1035.49
*	660.000	480.00	.00	.00	2351.20	10956.00	2360.61	2360.61	2363.49	75.46	14.41	945.31	1261.24
*	660.000	480.00	.00	.00	2351.20	14038.00	2361.77	2361.77	2364.97	71.66	15.42	1172.25	1658.36
*	690.000	160.00	.00	.00	2353.80	5952.00	2362.22	2362.22	2365.02	102.07	13.49	451.83	589.14
*	690.000	160.00	.00	.00	2353.80	9253.00	2364.15	2364.15	2367.82	90.74	15.48	626.10	971.36
*	690.000	160.00	.00	.00	2353.80	10956.00	2365.08	2365.08	2369.10	85.70	16.25	714.20	1183.51
*	690.000	160.00	.00	.00	2353.80	14038.00	2366.56	2366.56	2371.22	80.84	17.56	860.57	1561.36

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	790.000	530.00	.00	.00	2367.10	5952.00	2374.28	2374.28	2375.67	84.53	10.78	841.86	647.39
*	790.000	530.00	.00	.00	2367.10	9253.00	2375.36	2375.36	2376.95	80.03	12.06	1258.19	1034.30
*	790.000	530.00	.00	.00	2367.10	10956.00	2375.73	2375.73	2377.51	85.09	12.95	1408.27	1187.73
*	790.000	530.00	.00	.00	2367.10	14038.00	2376.40	2376.40	2378.41	87.23	14.06	1694.12	1503.07
*	870.000	420.00	.00	.00	2375.80	5952.00	2382.05	2382.05	2383.56	124.82	13.07	762.98	532.74
*	870.000	420.00	.00	.00	2375.80	9253.00	2383.03	2383.03	2385.06	143.13	15.48	1001.51	773.43
*	870.000	420.00	.00	.00	2375.80	10956.00	2383.54	2383.54	2385.76	141.27	16.31	1131.10	921.78
*	870.000	420.00	.00	.00	2375.80	14038.00	2384.36	2384.36	2386.92	140.60	17.70	1343.94	1183.89
*	940.000	370.00	.00	.00	2382.40	5952.00	2391.11	2391.11	2392.60	95.71	11.81	791.08	608.39
*	940.000	370.00	.00	.00	2382.40	9253.00	2392.29	2392.29	2393.96	91.76	13.10	1199.81	965.95
*	940.000	370.00	.00	.00	2382.40	10956.00	2392.74	2392.74	2394.54	94.19	13.83	1359.48	1128.91
*	940.000	370.00	.00	.00	2382.40	14038.00	2393.38	2393.38	2395.50	103.18	15.27	1586.38	1382.00
*	1030.000	500.00	.00	.00	2392.70	5952.00	2401.21	2401.21	2403.69	82.03	14.74	629.38	657.16
*	1030.000	500.00	.00	.00	2392.70	9253.00	2403.13	2403.13	2405.96	75.26	16.43	938.61	1066.59
*	1030.000	500.00	.00	.00	2392.70	10956.00	2403.90	2403.90	2406.93	75.10	17.28	1078.84	1264.23
*	1030.000	500.00	.00	.00	2392.70	14038.00	2405.20	2405.20	2408.48	72.61	18.41	1333.61	1647.42
*	1140.000	580.00	.00	.00	2406.00	5905.00	2414.72	2414.72	2417.50	108.62	13.92	502.15	566.59
*	1140.000	580.00	.00	.00	2406.00	9202.00	2416.86	2416.86	2420.22	95.46	15.64	739.78	941.84
*	1140.000	580.00	.00	.00	2406.00	10925.00	2417.81	2417.81	2421.40	91.44	16.36	856.43	1142.47
	140.000	580.00	.00	.00	2406.00	14016.00	2419.23	2419.23	2423.25	88.58	17.60	1045.31	1489.22
*	1230.000	480.00	.00	.00	2418.10	5905.00	2428.96	2428.96	2432.22	88.79	16.40	489.29	626.67
*	1230.000	480.00	.00	.00	2418.10	9202.00	2431.27	2431.27	2435.45	86.16	18.94	679.17	991.35
*	1230.000	480.00	.00	.00	2418.10	10925.00	2432.41	2432.41	2436.92	82.85	19.85	778.99	1200.28
*	1230.000	480.00	.00	.00	2418.10	14016.00	2434.11	2434.11	2439.29	81.60	21.52	935.91	1551.60
*	1340.000	580.00	.00	.00	2440.10	5905.00	2451.97	2451.97	2455.21	153.86	15.19	453.19	476.06
*	1340.000	580.00	.00	.00	2440.10	9202.00	2454.51	2454.51	2458.17	135.50	16.73	670.76	790.51
*	1340.000	580.00	.00	.00	2440.10	10925.00	2455.50	2455.50	2459.46	134.67	17.60	766.64	941.43
*	1340.000	580.00	.00	.00	2440.10	14016.00	2457.11	2457.11	2461.50	132.06	18.86	935.33	1219.68
*	1400.000	320.00	.00	.00	2449.90	5905.00	2459.09	2459.09	2461.28	142.98	14.43	600.77	493.83
*	1400.000	320.00	.00	.00	2449.90	9202.00	2460.66	2460.66	2463.40	145.86	16.60	824.28	761.93
*	1400.000	320.00	.00	.00	2449.90	10925.00	2461.37	2461.37	2464.37	146.81	17.53	928.99	901.65
	1400.000	320.00	.00	.00	2449.90	14016.00	2462.66	.00	2465.92	138.53	18.53	1129.29	1190.83
*	1540.000	740.00	.00	.00	2466.20	5905.00	2475.68	2475.68	2478.67	107.28	15.40	506.26	570.11
*	1540.000	740.00	.00	.00	2466.20	9202.00	2477.85	2477.85	2481.60	102.69	17.66	715.58	908.06
*	1540.000	740.00	.00	.00	2466.20	10925.00	2478.85	2478.85	2482.92	100.68	18.60	818.71	1088.83
*	1540.000	740.00	.00	.00	2466.20	14016.00	2480.60	2480.60	2485.05	93.29	19.72	1012.37	1451.14
*	1630.000	480.00	.00	.00	2476.00	5905.00	2485.61	2485.61	2489.14	103.44	15.92	444.88	580.60
*	1630.000	480.00	.00	.00	2476.00	9202.00	2488.17	2488.17	2492.65	96.80	18.29	632.89	935.27
*	1630.000	480.00	.00	.00	2476.00	10925.00	2489.32	2489.32	2494.24	94.81	19.31	725.89	1121.99
*	1630.000	480.00	.00	.00	2476.00	14016.00	2491.38	2491.38	2496.77	87.08	20.50	904.78	1502.02

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	1740.000	580.00	.00	.00	2490.10	5905.00	2498.19	2498.19	2500.50	107.50	13.41	563.14	569.54
*	1740.000	580.00	.00	.00	2490.10	9202.00	2499.75	2499.75	2502.82	107.96	15.62	760.29	885.62
*	1740.000	580.00	.00	.00	2490.10	10925.00	2500.51	2500.51	2503.90	105.38	16.51	858.21	1064.26
*	1740.000	580.00	.00	.00	2490.10	14016.00	2501.77	2501.77	2505.70	100.75	17.86	1027.70	1396.40
*	1850.000	580.00	.00	.00	2515.50	5127.00	2524.42	2524.42	2527.83	175.94	15.20	370.76	386.53
*	1850.000	580.00	.00	.00	2515.50	7963.00	2526.84	2526.84	2531.18	160.63	17.40	523.37	628.30
*	1850.000	580.00	.00	.00	2515.50	9424.00	2528.10	2528.10	2532.65	146.15	17.93	610.53	779.53
*	1850.000	580.00	.00	.00	2515.50	12075.00	2529.97	2529.97	2534.99	135.36	19.09	750.66	1037.85
*	1970.000	630.00	.00	.00	2539.70	5127.00	2546.05	2546.05	2548.16	183.97	13.43	489.69	377.99
*	1970.000	630.00	.00	.00	2539.70	7963.00	2547.55	2547.55	2550.20	170.64	15.31	680.49	609.59
*	1970.000	630.00	.00	.00	2539.70	9424.00	2548.20	2548.20	2551.12	168.41	16.17	765.52	726.19
*	1970.000	630.00	.00	.00	2539.70	12075.00	2549.29	2549.29	2552.66	163.27	17.47	913.11	945.00
*	2070.000	530.00	.00	.00	2565.20	5127.00	2574.01	2574.01	2577.13	128.74	15.26	414.14	451.86
*	2070.000	530.00	.00	.00	2565.20	7963.00	2576.26	2576.26	2580.21	122.96	17.52	577.85	718.10
*	2070.000	530.00	.00	.00	2565.20	9424.00	2577.27	2577.27	2581.59	120.88	18.47	655.96	857.16
*	2070.000	530.00	.00	.00	2565.20	12075.00	2578.95	2578.95	2583.88	117.78	19.96	791.01	1112.64
*	2120.000	260.00	.00	.00	2579.10	5127.00	2585.56	2585.56	2588.34	153.50	13.81	409.17	413.82
*	2120.000	260.00	.00	.00	2579.10	7963.00	2587.52	2587.52	2591.09	140.01	15.84	567.56	672.97
*	2120.000	260.00	.00	.00	2579.10	9424.00	2588.42	2588.42	2592.35	135.14	16.68	644.94	810.66
*	2120.000	260.00	.00	.00	2579.10	12075.00	2589.91	2589.91	2594.41	128.41	18.00	780.15	1065.59
*	2190.000	370.00	.00	.00	2592.00	5127.00	2597.82	2597.82	2599.72	173.92	12.49	507.04	388.77
*	2190.000	370.00	.00	.00	2592.00	7963.00	2599.17	2599.17	2601.60	165.18	14.31	695.73	619.59
*	2190.000	370.00	.00	.00	2592.00	9424.00	2599.78	2599.78	2602.44	161.26	15.05	786.30	742.12
*	2190.000	370.00	.00	.00	2592.00	12075.00	2600.77	2600.77	2603.84	156.90	16.26	938.17	963.99
*	2300.000	580.00	.00	.00	2612.70	5127.00	2618.56	2618.56	2621.09	167.45	12.88	413.07	396.21
*	2300.000	580.00	.00	.00	2612.70	7963.00	2620.31	2620.31	2623.64	151.87	14.84	566.78	646.15
*	2300.000	580.00	.00	.00	2612.70	9424.00	2621.13	2621.13	2624.80	145.72	15.64	641.62	780.69
*	2300.000	580.00	.00	.00	2612.70	12075.00	2622.56	2622.56	2626.75	134.33	16.78	776.79	1041.83
*	2400.000	530.00	.00	.00	2627.90	5127.00	2634.15	2634.15	2636.50	176.29	13.77	454.57	386.14
*	2400.000	530.00	.00	.00	2627.90	7963.00	2635.83	2635.83	2638.79	160.23	15.65	630.22	629.07
*	2400.000	530.00	.00	.00	2627.90	9424.00	2636.58	2636.58	2639.82	155.82	16.47	712.66	754.96
*	2400.000	530.00	.00	.00	2627.90	12075.00	2637.85	2637.85	2641.51	146.37	17.61	859.43	998.08
*	2470.000	370.00	.00	.00	2641.70	5127.00	2648.00	2648.00	2649.91	182.94	11.78	495.92	379.06
*	2470.000	370.00	.00	.00	2641.70	7963.00	2649.43	2649.43	2651.75	167.07	13.28	704.88	616.07
*	2470.000	370.00	.00	.00	2641.70	9424.00	2650.05	2650.05	2652.56	162.83	13.93	805.36	738.54
*	2470.000	370.00	.00	.00	2641.70	12075.00	2651.03	2651.03	2653.87	158.90	15.00	974.01	957.92
*	2580.000	580.00	.00	.00	2665.50	5127.00	2670.44	2670.44	2672.34	220.40	13.37	512.58	345.35
*	2580.000	580.00	.00	.00	2665.50	7963.00	2671.76	2671.76	2674.24	207.28	15.39	695.83	553.10
*	2580.000	580.00	.00	.00	2665.50	9424.00	2672.36	2672.36	2675.11	202.13	16.23	783.06	662.85
*	2580.000	580.00	.00	.00	2665.50	12075.00	2673.38	2673.38	2676.56	194.21	17.54	933.45	866.47

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	2710.000	690.00	.00	.00	2695.40	746.00	2698.04	2698.04	2698.75	294.11	6.89	112.00	43.50
*	2710.000	690.00	.00	.00	2695.40	1154.00	2698.52	2698.52	2699.45	261.86	7.90	152.28	71.31
*	2710.000	690.00	.00	.00	2695.40	1366.00	2698.76	2698.76	2699.77	246.88	8.28	172.41	86.94
*	2710.000	690.00	.00	.00	2695.40	1747.00	2699.11	2699.11	2700.31	239.45	9.01	203.30	112.90
*	2790.000	420.00	.00	.00	2714.50	746.00	2717.35	2717.35	2718.06	214.34	7.39	126.00	50.96
*	2790.000	420.00	.00	.00	2714.50	1154.00	2717.82	2717.82	2718.75	215.13	8.58	168.88	78.68
*	2790.000	420.00	.00	.00	2714.50	1366.00	2718.05	2718.05	2719.07	213.86	9.07	189.19	93.41
*	2790.000	420.00	.00	.00	2714.50	1747.00	2718.41	2718.41	2719.60	211.73	9.85	223.10	120.06
*	2850.000	320.00	.00	.00	2728.90	746.00	2732.67	2732.67	2734.09	231.73	9.78	84.07	49.01
*	2850.000	320.00	.00	.00	2728.90	1154.00	2733.76	2733.76	2735.44	195.79	10.85	126.28	82.47
*	2850.000	320.00	.00	.00	2728.90	1366.00	2734.24	2734.24	2736.02	185.19	11.31	147.91	100.38
*	2850.000	320.00	.00	.00	2728.90	1747.00	2735.04	2735.04	2736.92	166.04	11.84	187.79	135.58
*	2910.000	320.00	.00	.00	2745.50	746.00	2749.77	2749.77	2750.67	261.19	7.82	106.57	46.16
*	2910.000	320.00	.00	.00	2745.50	1154.00	2750.47	2750.47	2751.49	221.58	8.55	158.27	77.53
*	2910.000	320.00	.00	.00	2745.50	1366.00	2750.74	2750.74	2751.85	220.61	9.00	180.13	91.97
*	2910.000	320.00	.00	.00	2745.50	1747.00	2751.15	2751.15	2752.43	224.17	9.78	215.89	116.68
*	3010.000	530.00	.00	.00	2777.90	746.00	2780.78	2780.78	2781.57	327.40	7.27	106.53	41.23
*	3010.000	530.00	.00	.00	2777.90	1154.00	2781.32	2781.32	2782.33	297.86	8.27	146.09	66.87
*	3010.000	530.00	.00	.00	2777.90	1366.00	2781.57	2781.57	2782.68	286.59	8.67	165.43	80.69
*	3010.000	530.00	.00	.00	2777.90	1747.00	2781.98	2781.98	2783.26	274.31	9.33	197.83	105.48
*	3080.000	370.00	.00	.00	2797.00	746.00	2800.81	2800.81	2801.65	262.05	7.61	105.59	46.08
*	3080.000	370.00	.00	.00	2797.00	1154.00	2801.38	2801.38	2802.45	242.13	8.65	143.82	74.16
*	3080.000	370.00	.00	.00	2797.00	1366.00	2801.64	2801.64	2802.83	239.16	9.14	160.88	88.33
*	3080.000	370.00	.00	.00	2797.00	1747.00	2802.05	2802.05	2803.45	234.58	9.92	189.45	114.06
*	3150.000	370.00	.00	.00	2818.60	746.00	2823.56	2823.56	2824.72	245.54	8.85	94.51	47.61
*	3150.000	370.00	.00	.00	2818.60	1154.00	2824.43	2824.43	2825.81	212.16	9.88	139.03	79.23
*	3150.000	370.00	.00	.00	2818.60	1366.00	2824.80	2824.80	2826.29	203.28	10.34	160.41	95.81
*	3150.000	370.00	.00	.00	2818.60	1747.00	2825.39	2825.39	2827.06	195.19	11.11	196.20	125.05
*	3210.000	320.00	.00	.00	2837.60	746.00	2840.63	2840.63	2841.61	361.92	8.70	102.86	39.21
*	3210.000	320.00	.00	.00	2837.60	1154.00	2841.32	2841.32	2842.57	344.14	9.96	141.37	62.21
*	3210.000	320.00	.00	.00	2837.60	1366.00	2841.64	2841.64	2843.01	336.60	10.48	160.15	74.45
*	3210.000	320.00	.00	.00	2837.60	1747.00	2842.17	2842.17	2843.72	322.64	11.27	193.01	97.26
*	3320.000	580.00	.00	.00	2869.30	746.00	2872.90	2872.90	2874.15	245.51	8.97	83.15	47.61
*	3320.000	580.00	.00	.00	2869.30	1154.00	2873.94	2873.94	2875.24	171.90	9.30	138.42	88.02
*	3320.000	580.00	.00	.00	2869.30	1366.00	2874.31	2874.31	2875.69	165.01	9.69	162.66	106.34
*	3320.000	580.00	.00	.00	2869.30	1747.00	2874.85	2874.85	2876.38	161.72	10.39	201.65	137.38
*	3410.000	480.00	.00	.00	2891.00	746.00	2895.12	2895.12	2896.46	213.86	9.31	81.54	51.01
*	3410.000	480.00	.00	.00	2891.00	1154.00	2896.30	2896.30	2897.54	148.04	9.27	146.69	94.84
*	3410.000	480.00	.00	.00	2891.00	1366.00	2896.65	2896.65	2897.97	147.71	9.67	169.88	112.39
*	3410.000	480.00	.00	.00	2891.00	1747.00	2897.14	2897.14	2898.65	151.88	10.53	203.15	141.76

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3480.000	370.00	.00	.00	2910.20	746.00	2915.05	2915.05	2916.25	173.74	9.47	97.09	56.60
*	3480.000	370.00	.00	.00	2910.20	1154.00	2915.90	2915.90	2917.38	182.99	10.77	132.87	85.31
*	3480.000	370.00	.00	.00	2910.20	1366.00	2916.28	2916.28	2917.89	186.45	11.31	149.63	100.04
*	3480.000	370.00	.00	.00	2910.20	1747.00	2916.92	2916.92	2918.72	188.21	12.06	178.82	127.34
*	3530.000	260.00	.00	.00	2932.80	746.00	2936.70	2936.70	2937.66	225.64	8.19	105.99	49.66
*	3530.000	260.00	.00	.00	2932.80	1154.00	2937.42	2937.42	2938.55	203.82	9.18	153.25	80.83
*	3530.000	260.00	.00	.00	2932.80	1366.00	2937.75	2937.75	2938.94	192.25	9.51	177.51	98.52
*	3530.000	260.00	.00	.00	2932.80	1747.00	2938.20	2938.20	2939.56	192.35	10.30	212.77	125.96
*	3610.000	420.00	.00	.00	2956.40	746.00	2961.30	2961.30	2962.66	184.13	10.21	97.37	54.98
*	3610.000	420.00	.00	.00	2956.40	1154.00	2962.32	2962.32	2963.83	165.84	11.23	142.10	89.61
*	3610.000	420.00	.00	.00	2956.40	1366.00	2962.69	2962.69	2964.35	169.54	11.90	159.26	104.91
*	3610.000	420.00	.00	.00	2956.40	1747.00	2963.31	2963.31	2965.20	172.74	12.90	188.47	132.92
*	3710.000	530.00	.00	.00	2988.40	746.00	2992.57	2992.57	2993.61	232.88	9.01	100.27	48.88
*	3710.000	530.00	.00	.00	2988.40	1154.00	2993.30	2993.30	2994.61	223.95	10.27	138.41	77.11
*	3710.000	530.00	.00	.00	2988.40	1366.00	2993.64	2993.64	2995.06	219.36	10.78	157.18	92.23
*	3710.000	530.00	.00	.00	2988.40	1747.00	2994.18	2994.18	2995.78	213.74	11.59	189.13	119.50
*	3790.000	420.00	.00	.00	3010.00	746.00	3015.30	3015.30	3016.75	201.96	9.79	80.25	52.49
*	3790.000	420.00	.00	.00	3010.00	1154.00	3016.37	3016.37	3018.13	174.19	10.97	115.62	87.44
*	3790.000	420.00	.00	.00	3010.00	1366.00	3016.81	3016.81	3018.74	170.24	11.57	131.93	104.69
*	3790.000	420.00	.00	.00	3010.00	1747.00	3017.63	3017.63	3019.69	150.29	12.09	165.08	142.50
*	3920.000	690.00	.00	.00	3052.20	746.00	3057.38	3057.38	3058.71	207.46	10.15	90.73	51.79
*	3920.000	690.00	.00	.00	3052.20	1154.00	3058.35	3058.35	3060.01	203.09	11.59	124.73	80.98
*	3920.000	690.00	.00	.00	3052.20	1366.00	3058.78	3058.78	3060.60	201.48	12.20	141.27	96.23
*	3920.000	690.00	.00	.00	3052.20	1747.00	3059.46	3059.46	3061.55	203.07	13.24	168.47	122.59
*	4010.000	480.00	.00	.00	3086.20	746.00	3090.08	3090.08	3090.95	190.93	8.46	118.99	53.99
*	4010.000	480.00	.00	.00	3086.20	1154.00	3090.68	3090.68	3091.77	204.19	9.82	160.97	80.76
*	4010.000	480.00	.00	.00	3086.20	1366.00	3090.95	3090.95	3092.15	208.04	10.38	180.34	94.71
*	4010.000	480.00	.00	.00	3086.20	1747.00	3091.38	3091.38	3092.77	213.91	11.27	212.00	119.45
*	4080.000	370.00	.00	.00	3109.60	746.00	3115.72	3115.72	3117.47	224.57	10.67	71.96	49.78
*	4080.000	370.00	.00	.00	3109.60	1154.00	3117.35	3117.35	3119.03	157.32	10.69	121.83	92.00
*	4080.000	370.00	.00	.00	3109.60	1366.00	3117.81	3117.81	3119.60	158.92	11.20	141.44	108.36
*	4080.000	370.00	.00	.00	3109.60	1747.00	3118.57	3118.57	3120.48	156.89	11.82	174.92	139.48
*	4170.000	480.00	.00	.00	3150.80	746.00	3156.22	3156.22	3157.92	363.00	10.66	73.55	39.16
*	4170.000	480.00	.00	.00	3150.80	1154.00	3157.49	3157.49	3159.53	340.20	11.80	104.15	62.57
*	4170.000	480.00	.00	.00	3150.80	1366.00	3158.07	3158.07	3160.23	330.29	12.23	119.49	75.16
*	4170.000	480.00	.00	.00	3150.80	1747.00	3158.87	3158.87	3161.36	338.11	13.18	142.53	95.01
*	4260.000	480.00	.00	.00	3194.10	746.00	3198.59	3198.59	3199.58	195.51	8.57	101.21	53.35
*	4260.000	480.00	.00	.00	3194.10	1154.00	3199.26	3199.26	3200.57	204.92	10.01	134.43	80.61
*	4260.000	480.00	.00	.00	3194.10	1366.00	3199.58	3199.58	3201.02	204.00	10.55	150.92	95.64
*	4260.000	480.00	.00	.00	3194.10	1747.00	3200.10	3200.10	3201.76	200.73	11.37	179.12	123.31

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	4340.000	420.00	.00	.00	3223.70	746.00	3228.57	3228.57	3229.93	211.55	9.40	81.16	51.29
*	4340.000	420.00	.00	.00	3223.70	1154.00	3229.63	3229.63	3231.21	181.22	10.25	119.37	85.72
*	4340.000	420.00	.00	.00	3223.70	1366.00	3230.08	3230.08	3231.75	173.17	10.61	138.35	103.80
*	4340.000	420.00	.00	.00	3223.70	1747.00	3230.82	3230.82	3232.60	160.28	11.08	172.23	137.99
*	4450.000	580.00	.00	.00	3281.50	746.00	3287.60	3287.60	3289.11	289.12	9.85	76.25	43.87
*	4450.000	580.00	.00	.00	3281.50	1154.00	3288.63	3288.63	3290.55	259.73	11.16	106.08	71.60
*	4450.000	580.00	.00	.00	3281.50	1366.00	3289.15	3289.15	3291.20	237.07	11.58	122.47	88.72
*	4450.000	580.00	.00	.00	3281.50	1747.00	3289.93	3289.93	3292.25	220.19	12.41	148.59	117.73
*	4520.000	370.00	.00	.00	3316.80	746.00	3320.78	3320.78	3321.95	238.78	9.26	91.19	48.28
*	4520.000	370.00	.00	.00	3316.80	1154.00	3321.63	3321.63	3323.07	235.26	10.42	126.46	75.24
*	4520.000	370.00	.00	.00	3316.80	1366.00	3322.01	3322.01	3323.57	232.86	10.87	143.83	89.52
*	4520.000	370.00	.00	.00	3316.80	1747.00	3322.62	3322.62	3324.37	229.76	11.57	173.57	115.25

NWOOD WASH (CW.DAT)

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	37800.000	5952.00	2286.50	.00	.00	.00	240.72	.00
*	37800.000	9253.00	2287.48	.98	.00	.00	280.40	.00
*	37800.000	10956.00	2287.94	.46	.00	.02	299.03	.00
*	37800.000	14038.00	2288.76	.82	.00	-.01	331.56	.00
*	130.000	5952.00	2302.95	.00	16.45	.00	150.10	890.00
*	130.000	9253.00	2304.35	1.40	16.86	.00	153.38	890.00
*	130.000	10956.00	2304.99	.64	17.05	.00	154.88	890.00
*	130.000	14038.00	2306.07	1.08	17.31	.00	157.41	890.00
*	220.000	5952.00	2310.82	.00	7.86	.00	217.32	480.00
*	220.000	9253.00	2311.78	.97	7.43	.00	223.55	480.00
*	220.000	10956.00	2312.27	.49	7.28	.00	225.71	480.00
*	220.000	14038.00	2313.03	.76	6.97	.00	228.60	480.00
*	320.000	5952.00	2322.34	.00	11.53	.00	248.04	530.00
*	320.000	9253.00	2323.52	1.18	11.74	.00	280.57	530.00
*	320.000	10956.00	2324.08	.55	11.81	.00	295.82	530.00
	320.000	14038.00	2324.89	.82	11.86	.00	315.00	530.00
*	450.000	5952.00	2333.46	.00	11.12	.00	132.11	690.00
*	450.000	9253.00	2335.13	1.67	11.61	.00	151.55	690.00
*	450.000	10956.00	2335.98	.85	11.90	.00	161.78	690.00
*	450.000	14038.00	2337.22	1.23	12.32	.00	179.87	690.00
*	510.000	5952.00	2341.12	.00	7.66	.00	70.00	320.00
*	510.000	9253.00	2343.39	2.28	8.26	.00	74.71	320.00
*	510.000	10956.00	2344.44	1.04	8.45	.00	76.86	320.00
*	510.000	14038.00	2346.24	1.80	9.02	.00	80.58	320.00
*	570.000	5952.00	2349.00	.00	7.88	.00	109.30	320.00
*	570.000	9253.00	2350.66	1.66	7.27	.00	115.70	320.00
*	570.000	10956.00	2351.42	.76	6.98	.00	118.86	320.00
*	570.000	14038.00	2352.67	1.25	6.43	.00	124.07	320.00
*	660.000	5952.00	2358.12	.00	9.12	.00	138.86	480.00
*	660.000	9253.00	2359.84	1.72	9.18	.00	170.22	480.00
*	660.000	10956.00	2360.61	.76	9.19	.00	186.35	480.00
*	660.000	14038.00	2361.77	1.16	9.10	.00	200.11	480.00
*	690.000	5952.00	2362.22	.00	4.10	.00	86.86	160.00
*	690.000	9253.00	2364.15	1.93	4.31	.00	93.33	160.00
*	690.000	10956.00	2365.08	.93	4.47	.00	96.44	160.00
	690.000	14038.00	2366.56	1.48	4.79	.00	101.05	160.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	790.000	5952.00	2374.28	.00	12.06	.00	360.30	530.00
*	790.000	9253.00	2375.36	1.09	11.21	.00	405.71	530.00
*	790.000	10956.00	2375.73	.36	10.65	.00	418.06	530.00
*	790.000	14038.00	2376.40	.67	9.84	.00	430.68	530.00
*	870.000	5952.00	2382.05	.00	7.78	.00	238.69	420.00
*	870.000	9253.00	2383.03	.97	7.67	.00	250.54	420.00
*	870.000	10956.00	2383.54	.51	7.81	.00	256.19	420.00
*	870.000	14038.00	2384.36	.82	7.96	.00	265.20	420.00
*	940.000	5952.00	2391.11	.00	9.05	.00	303.59	370.00
*	940.000	9253.00	2392.29	1.19	9.26	.00	352.18	370.00
*	940.000	10956.00	2392.74	.45	9.20	.00	356.01	370.00
*	940.000	14038.00	2393.38	.64	9.02	.00	357.75	370.00
*	1030.000	5952.00	2401.21	.00	10.11	.00	135.24	500.00
*	1030.000	9253.00	2403.13	1.92	10.84	.00	179.12	500.00
*	1030.000	10956.00	2403.90	.76	11.15	.00	187.79	500.00
*	1030.000	14038.00	2405.20	1.30	11.82	.00	203.01	500.00
*	1140.000	5905.00	2414.72	.00	13.50	.00	101.27	580.00
*	1140.000	9202.00	2416.86	2.15	13.73	.00	119.87	580.00
*	1140.000	10925.00	2417.81	.94	13.91	.00	127.57	580.00
	140.000	14016.00	2419.23	1.42	14.03	.00	137.36	580.00
*	1230.000	5905.00	2428.96	.00	14.24	.00	78.71	480.00
*	1230.000	9202.00	2431.27	2.31	14.40	.00	85.80	480.00
*	1230.000	10925.00	2432.41	1.14	14.60	.00	89.31	480.00
*	1230.000	14016.00	2434.11	1.71	14.88	.00	94.48	480.00
*	1340.000	5905.00	2451.97	.00	23.01	.00	77.66	580.00
*	1340.000	9202.00	2454.51	2.54	23.24	.00	93.66	580.00
*	1340.000	10925.00	2455.50	.99	23.09	.00	99.80	580.00
*	1340.000	14016.00	2457.11	1.61	22.99	.00	109.77	580.00
*	1400.000	5905.00	2459.09	.00	7.12	.00	137.88	320.00
*	1400.000	9202.00	2460.66	1.57	6.16	.00	146.69	320.00
*	1400.000	10925.00	2461.37	.70	5.87	.00	151.17	320.00
	1400.000	14016.00	2462.66	1.29	5.55	.00	159.73	320.00
*	1540.000	5905.00	2475.68	.00	16.59	.00	91.27	740.00
*	1540.000	9202.00	2477.85	2.17	17.19	.00	101.38	740.00
*	1540.000	10925.00	2478.85	.99	17.48	.00	106.01	740.00
*	1540.000	14016.00	2480.60	1.76	17.95	.00	113.87	740.00
*	1630.000	5905.00	2485.61	.00	9.93	.00	68.30	480.00
*	1630.000	9202.00	2488.17	2.56	10.32	.00	78.41	480.00
*	1630.000	10925.00	2489.32	1.15	10.48	.00	82.95	480.00
*	1630.000	14016.00	2491.38	2.06	10.78	.00	90.33	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	1740.000	5905.00	2498.19	.00	12.58	.00	123.49	580.00
*	1740.000	9202.00	2499.75	1.57	11.58	.00	128.57	580.00
*	1740.000	10925.00	2500.51	.75	11.18	.00	131.36	580.00
*	1740.000	14016.00	2501.77	1.27	10.39	.00	136.06	580.00
*	1850.000	5127.00	2524.42	.00	26.23	.00	59.12	580.00
*	1850.000	7963.00	2526.84	2.42	27.09	.00	66.88	580.00
*	1850.000	9424.00	2528.10	1.26	27.60	.00	71.36	580.00
*	1850.000	12075.00	2529.97	1.87	28.20	.00	78.89	580.00
*	1970.000	5127.00	2546.05	.00	21.63	.00	121.55	630.00
*	1970.000	7963.00	2547.55	1.50	20.71	.00	130.42	630.00
*	1970.000	9424.00	2548.20	.65	20.09	.00	132.64	630.00
*	1970.000	12075.00	2549.29	1.10	19.32	.00	136.40	630.00
*	2070.000	5127.00	2574.01	.00	27.96	.00	69.67	530.00
*	2070.000	7963.00	2576.26	2.25	28.71	.00	75.71	530.00
*	2070.000	9424.00	2577.27	1.01	29.08	.00	78.42	530.00
*	2070.000	12075.00	2578.95	1.67	29.65	.00	82.91	530.00
*	2120.000	5127.00	2585.56	.00	11.55	.00	77.29	260.00
*	2120.000	7963.00	2587.52	1.96	11.26	.00	84.50	260.00
*	2120.000	9424.00	2588.42	.90	11.14	.00	87.88	260.00
*	2120.000	12075.00	2589.91	1.49	10.96	.00	93.47	260.00
*	2190.000	5127.00	2597.82	.00	12.27	.00	135.17	370.00
*	2190.000	7963.00	2599.17	1.34	11.65	.00	145.76	370.00
*	2190.000	9424.00	2599.78	.61	11.36	.00	149.77	370.00
*	2190.000	12075.00	2600.77	1.00	10.87	.00	155.46	370.00
*	2300.000	5127.00	2618.56	.00	20.74	.00	85.20	580.00
*	2300.000	7963.00	2620.31	1.75	21.15	.00	90.28	580.00
*	2300.000	9424.00	2621.13	.82	21.35	.00	92.65	580.00
*	2300.000	12075.00	2622.56	1.43	21.78	.00	96.79	580.00
*	2400.000	5127.00	2634.15	.00	15.59	.00	100.06	530.00
*	2400.000	7963.00	2635.83	1.68	15.52	.00	108.61	530.00
*	2400.000	9424.00	2636.58	.75	15.45	.00	112.31	530.00
*	2400.000	12075.00	2637.85	1.27	15.29	.00	117.96	530.00
*	2470.000	5127.00	2648.00	.00	13.85	.00	135.72	370.00
*	2470.000	7963.00	2649.43	1.43	13.60	.00	157.33	370.00
*	2470.000	9424.00	2650.05	.62	13.47	.00	166.74	370.00
*	2470.000	12075.00	2651.03	.98	13.17	.00	176.03	370.00
*	2580.000	5127.00	2670.44	.00	22.43	.00	135.53	580.00
*	2580.000	7963.00	2671.76	1.32	22.33	.00	142.10	580.00
*	2580.000	9424.00	2672.36	.61	22.31	.00	145.12	580.00
*	2580.000	12075.00	2673.38	1.02	22.36	.00	150.19	580.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	2710.000	746.00	2698.04	.00	27.61	.00	83.07	690.00
*	2710.000	1154.00	2698.52	.48	26.77	.00	85.54	690.00
*	2710.000	1366.00	2698.76	.23	26.39	.00	86.75	690.00
*	2710.000	1747.00	2699.11	.35	25.73	.00	88.58	690.00
*	2790.000	746.00	2717.35	.00	19.31	.00	89.62	420.00
*	2790.000	1154.00	2717.82	.47	19.30	.00	91.42	420.00
*	2790.000	1366.00	2718.05	.22	19.29	.00	92.26	420.00
*	2790.000	1747.00	2718.41	.36	19.30	.00	93.65	420.00
*	2850.000	746.00	2732.67	.00	15.31	.00	34.17	320.00
*	2850.000	1154.00	2733.76	1.09	15.93	.00	43.07	320.00
*	2850.000	1366.00	2734.24	.48	16.19	.00	46.99	320.00
*	2850.000	1747.00	2735.04	.80	16.63	.00	51.88	320.00
*	2910.000	746.00	2749.77	.00	17.10	.00	66.74	320.00
*	2910.000	1154.00	2750.47	.70	16.71	.00	79.26	320.00
*	2910.000	1366.00	2750.74	.27	16.50	.00	83.54	320.00
*	2910.000	1747.00	2751.15	.41	16.11	.00	90.12	320.00
*	3010.000	746.00	2780.78	.00	31.01	.00	70.68	530.00
*	3010.000	1154.00	2781.32	.54	30.85	.00	75.43	530.00
*	3010.000	1366.00	2781.57	.25	30.83	.00	77.64	530.00
	010.000	1747.00	2781.98	.41	30.83	.00	81.22	530.00
*	3080.000	746.00	2800.81	.00	20.03	.00	65.40	370.00
*	3080.000	1154.00	2801.38	.58	20.07	.00	67.13	370.00
*	3080.000	1366.00	2801.64	.25	20.07	.00	67.94	370.00
*	3080.000	1747.00	2802.05	.42	20.08	.00	69.27	370.00
*	3150.000	746.00	2823.56	.00	22.75	.00	47.04	370.00
*	3150.000	1154.00	2824.43	.86	23.04	.00	55.36	370.00
*	3150.000	1366.00	2824.80	.38	23.16	.00	58.35	370.00
*	3150.000	1747.00	2825.39	.59	23.34	.00	63.05	370.00
*	3210.000	746.00	2840.63	.00	17.07	.00	53.50	320.00
*	3210.000	1154.00	2841.32	.69	16.89	.00	58.10	320.00
*	3210.000	1366.00	2841.64	.32	16.83	.00	60.22	320.00
*	3210.000	1747.00	2842.17	.53	16.77	.00	63.75	320.00
*	3320.000	746.00	2872.90	.00	32.27	.00	34.39	580.00
*	3320.000	1154.00	2873.94	1.04	32.63	.00	64.41	580.00
*	3320.000	1366.00	2874.31	.36	32.67	.00	68.73	580.00
*	3320.000	1747.00	2874.85	.54	32.69	.00	75.15	580.00
*	3410.000	746.00	2895.12	.00	22.22	.00	33.80	480.00
*	3410.000	1154.00	2896.30	1.18	22.35	.00	64.97	480.00
*	3410.000	1366.00	2896.65	.35	22.34	.00	66.78	480.00
*	3410.000	1747.00	2897.14	.49	22.29	.00	68.71	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3480.000	746.00	2915.05	.00	19.93	.00	40.12	370.00
*	3480.000	1154.00	2915.90	.86	19.61	.00	43.38	370.00
*	3480.000	1366.00	2916.28	.38	19.63	.00	44.82	370.00
*	3480.000	1747.00	2916.92	.63	19.78	.00	47.23	370.00
*	3530.000	746.00	2936.70	.00	21.65	.00	61.47	260.00
*	3530.000	1154.00	2937.42	.72	21.51	.00	70.66	260.00
*	3530.000	1366.00	2937.75	.33	21.47	.00	75.10	260.00
*	3530.000	1747.00	2938.20	.45	21.28	.00	80.14	260.00
*	3610.000	746.00	2961.30	.00	24.60	.00	41.06	420.00
*	3610.000	1154.00	2962.32	1.01	24.90	.00	45.57	420.00
*	3610.000	1366.00	2962.69	.37	24.94	.00	46.43	420.00
*	3610.000	1747.00	2963.31	.62	25.11	.00	47.85	420.00
*	3710.000	746.00	2992.57	.00	31.27	.00	49.42	530.00
*	3710.000	1154.00	2993.30	.73	30.98	.00	54.68	530.00
*	3710.000	1366.00	2993.64	.34	30.95	.00	57.10	530.00
*	3710.000	1747.00	2994.18	.54	30.87	.00	60.99	530.00
*	3790.000	746.00	3015.30	.00	22.73	.00	30.54	420.00
*	3790.000	1154.00	3016.37	1.06	23.06	.00	35.95	420.00
*	3790.000	1366.00	3016.81	.44	23.17	.00	38.19	420.00
	790.000	1747.00	3017.63	.83	23.45	.00	41.55	420.00
*	3920.000	746.00	3057.38	.00	42.08	.00	33.09	690.00
*	3920.000	1154.00	3058.35	.97	41.98	.00	37.09	690.00
*	3920.000	1366.00	3058.78	.44	41.98	.00	38.89	690.00
*	3920.000	1747.00	3059.46	.68	41.83	.00	41.68	690.00
*	4010.000	746.00	3090.08	.00	32.70	.00	69.90	480.00
*	4010.000	1154.00	3090.68	.59	32.33	.00	71.55	480.00
*	4010.000	1366.00	3090.95	.27	32.16	.00	72.30	480.00
*	4010.000	1747.00	3091.38	.43	31.92	.00	73.51	480.00
*	4080.000	746.00	3115.72	.00	25.63	.00	23.43	370.00
*	4080.000	1154.00	3117.35	1.64	26.68	.00	42.15	370.00
*	4080.000	1366.00	3117.81	.46	26.87	.00	43.34	370.00
*	4080.000	1747.00	3118.57	.76	27.19	.00	45.31	370.00
*	4170.000	746.00	3156.22	.00	40.51	.00	22.33	480.00
*	4170.000	1154.00	3157.49	1.27	40.14	.00	25.95	480.00
*	4170.000	1366.00	3158.07	.57	40.25	.00	27.58	480.00
*	4170.000	1747.00	3158.87	.80	40.30	.00	29.87	480.00
*	4260.000	746.00	3198.59	.00	42.37	.00	48.60	480.00
*	4260.000	1154.00	3199.26	.67	41.77	.00	51.13	480.00
*	4260.000	1366.00	3199.58	.32	41.51	.00	52.34	480.00
*	4260.000	1747.00	3200.10	.53	41.24	.00	54.35	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	4340.000	746.00	3228.57	.00	29.98	.00	32.37	420.00
*	4340.000	1154.00	3229.63	1.06	30.37	.00	40.04	420.00
*	4340.000	1366.00	3230.08	.46	30.51	.00	43.35	420.00
*	4340.000	1747.00	3230.82	.74	30.72	.00	48.37	420.00
*	4450.000	746.00	3287.60	.00	59.03	.00	26.71	580.00
*	4450.000	1154.00	3288.63	1.03	59.01	.00	30.74	580.00
*	4450.000	1366.00	3289.15	.52	59.07	.00	32.50	580.00
*	4450.000	1747.00	3289.93	.77	59.11	.00	35.12	580.00
*	4520.000	746.00	3320.78	.00	33.18	.00	39.02	370.00
*	4520.000	1154.00	3321.63	.85	32.99	.00	44.23	370.00
*	4520.000	1366.00	3322.01	.38	32.86	.00	46.59	370.00
*	4520.000	1747.00	3322.62	.61	32.70	.00	50.36	370.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO= 37800.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37800.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO= 37800.000  PROFILE=  4  CRITICAL DEPTH ASSUMED

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CAUTION SECNO=   130.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   130.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   1030.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   1030.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1030.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   1030.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1030.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1030.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION SECNO=   1140.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   1140.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
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 ON SECNO=   1140.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   1340.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
 N SECNO=   1340.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1340.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   2070.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   2400.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   2400.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  2470.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=  2850.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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TION SECNO=   2850.000  PROFILE=  2  PROBABLE MINIMUM SPE
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CIFIC ENERGY
CAUTION SECNO=   2850.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2850.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   3150.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO= 3150.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION SECNO=   3210.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3210.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3320.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3320.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3320.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3320.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3320.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3320.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   3410.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3410.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3410.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
 ON SECNO=   3410.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
 ION SECNO=   3410.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3410.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3410.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3410.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3410.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3410.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3410.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3480.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3480.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3480.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3480.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3480.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3480.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3480.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3480.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3480.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3480.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3480.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3480.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3530.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3530.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3530.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3530.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
 ON SECNO=   3530.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3530.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3530.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
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 ON SECNO=  3530.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3530.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3530.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3530.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3530.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3610.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3610.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3610.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3610.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3710.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3710.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3710.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3710.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
 ON SECNO=  3710.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3710.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3710.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3710.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3790.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3790.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3790.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3790.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3790.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3790.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3790.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3920.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3920.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3920.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
 TION SECNO=  3920.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
 N SECNO=  3920.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3920.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

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 ON SECNO=  3920.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3920.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4010.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4010.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4010.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4010.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4080.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4080.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4080.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4080.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4080.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4080.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4080.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4080.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
 ON SECNO=  4080.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
..ION SECNO=  4080.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4080.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4080.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4170.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4170.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4170.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4170.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4260.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4260.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4260.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4260.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4260.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
 ON SECNO=  4260.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4260.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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 ON SECNO=   4260.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4340.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4340.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4340.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4340.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4340.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4340.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4340.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4340.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4340.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4340.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4340.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4340.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4450.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4450.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4450.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4450.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4450.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4450.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4450.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4450.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4450.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4450.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
 ON SECNO=   4450.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
 .ON SECNO=   4450.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4520.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4520.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4520.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4520.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

Stop - Program terminated.

Stop - Program terminated.
```

```
*******************************************************
*  WATER SURFACE PROFILES                             *
*  VERSION OF SEPTEMBER 1988                          *
*  ERROR: 01,02,03                                    *
*  UPDATED:  SEPTEMBER 1989                           *
*  RUN DATE     3/ 6/90    TIME    14: 0:34           *
*******************************************************
```

```
****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*            (916) 756-1104
****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

[illegible] 2:02 P

REVIEW [illegible]

THIS RUN EXECUTED 3/ 6/90 14: 0:35

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1        FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2        100-YEAR FLOOD FREQUENCY MODEL
T3        COTTONWOOD WASH        (CW.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

               2                                                                   2287.95

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                 -1


    `RIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26         8        42        39         1        34         4        53
    21        22        54         0        38        43         1        50        51        27
    21        22        28         5         3        61       200

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10       -10

QT       2     10956     10956
NC     .05       .05       .03        .1        .3
ET                         9.1                                                          9917.1    10138.7
         THIS FLOODWAY MODEL IS BASED ON A PREVIOUS MODEL OF NATURAL CONDITIONS
         REFER TO FILE CW.OUT (CH2M HILL, 1990)

X1   37800        19    9917.1   10138.7
GR  2308.0    9663.1    2300.0    9687.5    2295.0    9703.3    2292.9    9749.4    2288.7    9825.8
GR  2285.5    9917.1    2282.9    9958.8    2282.9    9974.8    2283.0    9992.8    2282.7   10000.0
GR  2283.0   10042.7    2283.0   10051.8    2283.0   10087.4    2284.8   10109.3    2287.3   10138.7
GR  2291.7   10191.9    2293.8   10237.0    2297.8   10272.5    2309.8   10312.6

ET                         9.1                                                          9919.6    10038.5
X1     130        18    9985.9   10038.5     860       920       890
GR  2320.2    9881.7    2312.5    9894.8    2297.7    9913.1    2299.0    9947.7    2299.6    9961.4
    2299.5    9978.6    2299.5    9985.9    2297.1    9992.8    2297.1   10000.0    2297.2   10020.3
     298.0   10025.6    2300.5   10038.5    2300.5   10046.9    2302.4   10056.1    2309.8   10064.3
GR  2312.1   10086.7    2313.4   10105.6    2313.4   10106.3
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NC	.05	.05	.045							
ET			9.1						9875.9	10095.2
X1	220	21	9875.9	10095.2	480	490	480			
GR	2331.6	9824.6	2321.2	9849.7	2309.7	9875.9	2307.6	9900.8	2306.1	9915.5
GR	2309.8	9934.2	2310.8	9953.6	2308.2	9963.9	2307.2	9982.9	2304.7	9998.6
GR	2305.3	10000.0	2307.1	10015.3	2308.7	10037.5	2308.2	10059.9	2306.1	10071.0
GR	2311.9	10095.2	2322.2	10110.7	2326.5	10124.0	2327.9	10144.1	2329.8	10172.5
GR	2331.7	10188.9								
NC	.05	.05	.03							
ET			9.1						9878.2	10024.3
X1	320	22	9972.3	10024.3	540	530	530			
GR	2335.7	9563.4	2332.1	9593.1	2327.7	9652.4	2324.3	9720.9	2321.4	9797.3
GR	2321.4	9821.3	2320.4	9878.2	2317.8	9916.5	2318.3	9950.4	2318.8	9972.3
GR	2317.2	9983.7	2314.0	9991.6	2314.1	10000.0	2314.1	10011.0	2325.6	10024.3
GR	2324.6	10025.0	2341.8	10039.0	2343.8	10057.4	2344.8	10089.1	2343.8	10127.8
GR	2343.4	10133.8	2343.4	10202.4						
ET			9.1						9935.9	10027.5
X1	450	16	9948.5	10027.5	680	710	690			
GR	2347.2	9814.4	2338.8	9835.8	2335.9	9874.1	2331.6	9918.2	2330.5	9948.5
GR	2327.9	9965.9	2327.2	9987.6	2326.7	10000.0	2326.9	10016.8	2330.7	10027.5
GR	2334.9	10033.2	2347.5	10051.5	2356.1	10068.7	2360.1	10096.5	2360.6	10132.3
GR	2362.4	10144.2								
NC	.05	.05	.04							
ET			9.1						9979.9	10036.3
X1	510	14	9979.9	10013.9	320	320	320			
GR	2366.6	9955.6	2349.7	9971.3	2334.2	9979.9	2333.3	9982.5	2332.2	9996.2
GR	2332.5	10000.0	2333.9	10013.9	2334.8	10022.2	2337.5	10040.6	2346.3	10053.9
GR	2358.9	10066.0	2362.1	10080.8	2363.1	10100.8	2364.4	10117.1		
NC	.05	.05	.04							
ET			9.1						9986.1	10073.9
X1	570	14	9986.1	10036.9	330	340	320			
GR	2374.7	9953.4	2355.5	9975.6	2345.0	9986.1	2340.3	9997.9	2341.2	10000.0
GR	2343.6	10013.0	2345.3	10036.9	2345.2	10040.7	2344.8	10061.8	2342.4	10073.0
GR	2350.4	10095.3	2357.1	10116.6	2366.2	10136.8	2368.3	10143.2		
NC	.06	.06	.035							
ET			9.1						9966.0	10060.7
X1	660	15	9966.0	10052.6	460	490	480			
GR	2402.5	9862.6	2385.6	9897.8	2369.7	9926.1	2360.8	9943.8	2354.1	9966.0
GR	2352.3	9983.8	2351.3	9996.5	2351.2	10000.0	2351.9	10012.1	2353.2	10025.0
GR	2354.9	10052.6	2359.0	10102.2	2361.0	10137.8	2366.1	10165.5	2376.0	10186.3
ET			9.1						9948.4	10026.0
X1	690	18	9948.4	10026.0	160	160	160			
GR	2391.6	9878.0	2382.9	9908.6	2379.3	9920.0	2365.2	9940.0	2360.2	9948.4
GR	2357.5	9972.2	2355.2	9986.2	2354.4	9992.9	2353.9	9999.1	2353.8	10000.0
GR	55.0	10011.9	2358.7	10026.0	2370.5	10045.7	2375.0	10066.6	2374.9	10079.6
GR	2371.4	10097.7	2371.4	10108.6	2373.5	10131.0				

NC	.065	.065	.035							
ET			9.1						9681.2	9964.7
X1	790	31	9681.2	9769.8	540	520	530			
GR	2394.3	9610.6	2384.9	9629.5	2384.2	9647.3	2379.6	9657.8	2378.9	9665.6
GR	2374.3	9681.2	2370.2	9693.4	2369.0	9700.8	2367.1	9710.1	2368.0	9720.3
GR	2369.4	9734.9	2370.2	9759.4	2371.7	9769.8	2372.1	9802.9	2373.6	9844.7
GR	2373.5	9887.5	2373.7	9926.4	2373.1	9964.0	2372.1	9978.0	2369.7	9992.1
GR	2369.6	10000.0	2372.1	10022.1	2374.2	10038.7	2375.0	10069.3	2375.6	10092.5
GR	2376.8	10110.9	2379.7	10161.8	2383.1	10196.6	2385.1	10207.9	2397.7	10240.4
GR	2413.2	10262.1								
ET			9.1						9973.2	10143.6
X1	870	25	9973.2	10018.7	430	410	420			
GR	2400.0	9909.4	2397.7	9940.7	2393.2	9960.2	2388.6	9970.2	2382.9	9973.2
GR	2376.4	9985.0	2375.8	9998.7	2376.0	10000.0	2376.9	10009.9	2379.2	10018.7
GR	2379.7	10044.7	2380.5	10048.3	2379.3	10077.2	2377.4	10098.7	2375.8	10112.7
GR	2378.9	10144.6	2380.5	10178.8	2381.7	10209.7	2385.0	10244.4	2391.7	10269.7
GR	2402.0	10285.4	2403.0	10301.1	2415.2	10312.5	2422.5	10335.8	2426.0	10349.3
ET			9.1						9865.8	10017.3
X1	940	23	9952.3	10017.3	360	390	370			
GR	2412.5	9623.9	2403.0	9641.2	2392.8	9658.5	2391.0	9672.9	2391.3	9706.1
GR	2390.8	9749.6	2390.8	9787.6	2389.4	9810.1	2386.0	9829.1	2387.7	9865.8
	2389.0	9909.9	2389.0	9952.3	2387.7	9973.8	2386.7	9975.8	2383.7	9991.8
	2382.8	9999.4	2382.4	10000.0	2384.5	10010.9	2397.5	10017.3	2413.8	10042.3
GR	2425.6	10068.4	2432.1	10100.3	2435.3	10112.8				
ET			9.1						9989.2	10085.4
X1	1030	17	9989.2	10026.4	460	480	500			
GR	2412.8	9888.8	2413.2	9928.8	2411.4	9951.0	2404.9	9971.0	2394.0	9989.2
GR	2392.7	10000.0	2393.4	10010.7	2395.2	10026.4	2395.4	10032.8	2397.0	10057.8
GR	2398.3	10087.5	2401.4	10114.0	2402.3	10145.0	2405.9	10179.8	2409.6	10205.2
GR	2420.4	10233.0	2429.2	10259.8						
QT	2	10925	10925							
NC	.065	.065	.04							
ET			9.1						9971.7	10047.6
X1	1140	11	9974.5	10031.1	600	560	580			
GR	2433.3	9918.7	2418.1	9946.7	2410.1	9974.4	2409.6	9974.5	2407.8	9989.5
GR	2406.0	10000.0	2407.7	10014.5	2409.4	10031.1	2416.3	10068.2	2423.4	10101.6
GR	2422.9	10116.0								
NC	.06	.06	.035							
ET			9.1						9980.6	10038.7
X1	1230	14	9980.6	10011.2	480	510	480			
GR	2451.2	9951.9	2432.5	9970.8	2423.2	9980.6	2420.2	9993.8	2418.1	10000.0
GR	2420.9	10011.2	2424.4	10038.4	2427.6	10050.5	2438.3	10072.1	2444.5	10091.2
GR	2448.6	10119.4	2453.0	10134.0	2462.5	10153.9	2468.0	10161.3		

NC	.06	.06	.05							
ET			9.1						9989.8	10054.6
X1	1340	13	9993.6	10030.5	580	580	580			
GR	2468.0	9949.2	2460.9	9971.4	2451.6	9982.9	2447.7	9993.6	2440.1	10000.0
GR	2441.4	10013.5	2446.0	10030.5	2447.3	10035.7	2453.0	10065.5	2457.7	10088.8
GR	2463.0	10113.9	2466.3	10144.3	2467.3	10151.4				
NC	.065	.065	.045							
ET			9.1						9944.7	10057.6
X1	1400	19	9984.8	10016.9	330	310	320			
GR	2472.9	9836.1	2469.6	9884.7	2467.2	9904.2	2460.8	9927.4	2456.0	9940.2
GR	2454.5	9950.5	2458.0	9959.1	2457.1	9970.9	2455.7	9984.8	2451.8	9993.9
GR	2450.1	9999.4	2449.9	10000.0	2452.4	10016.9	2452.8	10021.1	2454.3	10041.6
GR	2455.3	10058.7	2461.8	10077.8	2470.4	10104.1	2477.0	10129.3		
NC	.065	.065	.04							
ET			9.1						9958.2	10029.3
X1	1540	12	9989.0	10025.5	710	770	740			
GR	2487.9	9904.8	2484.0	9935.2	2475.1	9950.4	2471.0	9970.3	2467.6	9989.0
GR	2466.2	10000.0	2467.8	10012.3	2469.7	10025.5	2471.0	10026.9	2480.2	10054.0
GR	2493.4	10082.3	2497.6	10097.4						
ET			9.1						9967.6	10024.0
X1	1630	12	9975.9	10013.3	480	470	480			
	2507.8	9912.2	2503.5	9929.9	2490.5	9949.1	2481.7	9969.5	2478.6	9975.9
	2476.4	9987.3	2476.0	9997.1	2476.6	10000.0	2477.4	10013.3	2483.0	10024.5
GR	2495.0	10044.0	2501.6	10065.8						
NC	.065	.065	.035							
ET			9.1						9926.0	10022.4
X1	1740	16	9958.6	10022.4	590	570	580			
GR	2521.5	9859.1	2504.9	9886.6	2496.0	9901.1	2496.2	9913.6	2492.2	9926.1
GR	2493.9	9937.4	2495.2	9958.6	2491.8	9971.6	2493.3	9978.9	2492.1	9991.1
GR	2490.1	10000.0	2492.0	10012.6	2499.2	10022.4	2511.8	10048.6	2521.7	10066.1
GR	2522.3	10076.5								
QT	2	9424	9424							
NC	.065	.065	.05							
ET			9.1						9993.6	10041.3
X1	1850	9	9993.6	10034.4	590	580	580			
GR	2544.9	9950.8	2533.3	9973.2	2529.4	9980.8	2519.3	9993.6	2515.5	10000.0
GR	2515.9	10015.2	2518.3	10034.4	2527.4	10052.0	2534.4	10069.9		
NC	.065	.065	.045							
ET			9.1						9964.4	10056.7
X1	1970	11	9974.5	10020.5	600	660	630			
GR	2563.8	9915.3	2552.8	9938.8	2544.6	9955.0	2542.1	9974.5	2540.7	9992.0
GR	2539.7	10000.0	2541.5	10020.5	2540.0	10038.4	2542.2	10049.2	2546.8	10078.5
GR	2566.1	10106.6								

NC	.065	.065	.045							
ET			9.1						9984.3	10036.0
X1	2070	12	9984.3	10018.2	500	560	530			
GR	2603.6	9956.6	2583.7	9971.2	2565.8	9984.3	2565.4	9987.0	2565.2	9994.1
GR	2565.9	10000.0	2566.2	10018.2	2569.5	10027.8	2573.0	10046.0	2584.7	10068.8
GR	2591.4	10090.1	2591.4	10092.1						
ET			9.1						9964.9	10026.5
X1	2120	10	9964.9	10020.1	310	260	260			
GR	2605.9	9939.0	2579.8	9964.9	2579.1	9976.0	2579.1	10000.0	2580.1	10020.1
GR	2583.1	10031.1	2585.8	10037.0	2595.9	10064.9	2600.4	10092.8	2602.0	10101.0
NC	.06	.06	.045							
ET			9.1						9975.8	10075.1
X1	2190	16	9975.8	10032.2	380	360	370			
GR	2610.6	9888.1	2607.1	9916.7	2604.9	9952.6	2595.6	9970.7	2595.4	9975.8
GR	2592.7	9992.0	2592.0	10000.0	2592.4	10016.7	2593.4	10032.2	2594.3	10070.9
GR	2596.3	10092.5	2599.4	10110.9	2603.9	10127.9	2606.7	10148.0	2605.3	10160.2
GR	2610.9	10166.4								
ET			9.1						9946.2	10019.9
X1	2300	15	9946.2	10019.9	580	580	580			
GR	2632.5	9858.8	2628.7	9890.3	2625.5	9919.6	2622.6	9934.2	2614.4	9946.2
GR	2613.4	9960.2	2613.3	9973.9	2612.9	9998.3	2612.7	10000.0	2613.2	10018.8
GR	2614.8	10019.9	2627.6	10038.3	2637.4	10053.3	2645.3	10074.3	2648.9	10085.6
ET			9.1						9947.1	10026.7
X1	2400	15	9976.2	10021.6	560	500	530			
GR	2655.2	9884.8	2650.2	9907.3	2636.9	9929.8	2628.9	9948.8	2629.5	9965.1
GR	2629.7	9976.2	2628.2	9997.5	2628.2	10000.0	2627.9	10012.7	2629.1	10021.6
GR	2634.8	10038.3	2641.8	10056.3	2647.8	10069.7	2648.8	10078.7	2648.0	10085.4
NC	.06	.06	.05							
ET			9.1						9931.5	10027.0
X1	2470	15	9955.2	10027.0	360	380	370			
GR	2672.3	9802.6	2658.6	9829.3	2650.5	9858.5	2648.0	9893.7	2645.8	9929.5
GR	2643.2	9955.2	2643.4	9963.9	2643.2	9984.8	2641.9	9995.5	2641.7	10000.0
GR	2643.3	10022.0	2645.8	10027.0	2658.5	10040.7	2667.0	10073.2	2669.0	10079.1
NC	.065	.065	.045							
ET			9.1						9925.5	10032.0
X1	2580	12	9988.8	10032.0	580	580	580			
GR	2700.0	9860.0	2678.3	9889.3	2666.1	9918.3	2666.1	9944.2	2667.2	9972.0
GR	2667.5	9988.8	2665.7	10000.0	2665.5	10016.4	2666.0	10032.0	2676.7	10059.8
GR	2696.4	10093.8	2698.4	10098.5						
QT	2	1366	1366							
ET			9.1						9967.9	10042.0
X1	2710	12	9967.9	10054.1	670	710	690			
GR	2716.8	9927.8	2699.5	9954.6	2695.4	9967.9	2696.0	9975.9	2696.5	10000.0
GR	2697.7	10025.3	2696.6	10039.6	2704.1	10054.1	2711.4	10074.0	2717.0	10094.4
GR	2726.3	10115.7	2731.0	10129.4						

ET			9.1						9980.8	10028.8
X1	2790	15	9980.8	10022.7	420	420	420			
GR	2741.6	9934.8	2727.4	9965.5	2717.3	9980.8	2714.5	9990.8	2714.6	10000.0
GR	2716.6	10022.7	2716.2	10032.7	2716.2	10057.0	2717.2	10070.0	2725.3	10088.5
GR	2737.0	10110.7	2749.7	10131.9	2760.3	10151.8	2766.1	10165.0	2768.6	10175.6
NC	.07	.07	.05							
ET			9.1						9987.5	10009.3
X1	2850	12	9987.5	10009.3	300	300	320			
GR	2758.0	9918.5	2743.0	9944.6	2734.7	9964.0	2731.4	9987.5	2729.9	9988.0
GR	2728.9	10000.0	2729.4	10009.3	2740.3	10020.5	2751.5	10035.9	2761.9	10049.2
GR	2767.6	10066.0	2769.5	10081.3						
ET			9.1						9991.0	10031.3
X1	2910	13	9984.7	10031.3	350	300	320			
GR	2775.4	9939.8	2764.0	9969.8	2756.6	9984.7	2746.1	9993.9	2745.5	9999.8
GR	2746.6	10000.0	2748.0	10013.1	2748.5	10031.3	2750.0	10062.2	2752.2	10095.4
GR	2755.9	10113.1	2761.2	10127.0	2771.3	10148.0				
NC	.06	.06	.05							
ET			9.1						9974.0	10036.0
X1	3010	13	9970.9	10036.0	520	540	530			
GR	2803.0	9902.0	2797.3	9929.6	2789.5	9946.9	2782.0	9970.9	2778.7	9983.0
GR	2780.0	9995.2	2779.1	10000.0	2779.3	10022.1	2777.9	10034.8	2778.8	10036.0
	2783.0	10057.4	2793.0	10075.4	2802.1	10094.0				
NC	.05	.05	.05							
ET			9.1						9976.1	10020.5
X1	3080	14	9976.1	10020.5	350	390	370			
GR	2825.0	9941.7	2810.8	9962.7	2801.4	9975.3	2800.7	9976.1	2797.0	9992.8
GR	2798.3	10000.0	2800.0	10020.5	2800.1	10022.8	2799.9	10039.7	2807.3	10053.4
GR	2811.5	10074.6	2815.4	10106.4	2818.3	10131.5	2820.2	10140.1		
NC	.08	.08	.05							
ET			9.1						9980.3	10009.6
X1	3150	11	9980.3	10009.6	380	360	370			
GR	2844.4	9904.3	2831.1	9932.0	2824.0	9963.3	2821.8	9980.3	2821.1	9994.3
GR	2818.6	10000.0	2822.4	10009.6	2825.5	10020.6	2836.9	10036.2	2846.2	10051.9
GR	2855.7	10066.5								
NC	.08	.08	.06							
ET			9.1						9994.8	10028.4
X1	3210	15	9994.8	10021.0	310	330	320			
GR	2859.5	9880.8	2853.8	9909.2	2848.7	9939.6	2846.9	9958.6	2843.9	9983.9
GR	2839.3	9994.8	2837.8	10000.0	2837.6	10009.2	2838.8	10021.0	2839.0	10036.2
GR	2839.8	10041.6	2844.2	10060.5	2850.0	10080.4	2858.1	10100.2	2861.3	10105.8
NC	.07	.07	.045							
ET			9.1						9975.2	10009.0

	3320	12	9975.2	10014.2	590	570	580			
GR	2901.4	9871.8	2887.9	9899.7	2875.3	9930.8	2873.4	9952.3	2873.0	9975.2
GR	2871.6	9981.0	2869.5	9995.1	2869.3	10000.0	2870.1	10008.5	2880.8	10014.2
GR	2889.3	10028.2	2908.7	10058.2						
NC	.065	.065	.045							
ET			9.1						9989.8	10020.0
X1	3410	14	9989.8	10022.2	500	460	480			
GR	2922.3	9911.9	2906.0	9934.0	2900.7	9943.7	2895.5	9958.3	2895.4	9982.0
GR	2894.5	9989.8	2891.6	9997.7	2891.0	10000.0	2891.1	10008.8	2896.8	10022.2
GR	2899.0	10023.5	2904.5	10040.0	2916.3	10057.7	2928.7	10073.8		
ET			9.1						9974.0	10012.0
X1	3480	11	9993.9	10015.1	390	350	370			
GR	2945.2	9907.9	2930.1	9934.8	2919.9	9960.1	2914.3	9974.0	2912.7	9993.9
GR	2910.2	10000.0	2910.3	10006.0	2917.2	10015.1	2926.4	10024.0	2938.9	10040.7
GR	2939.5	10041.0								
NC	.065	.065	.05							
ET			9.1						9985.0	10017.3
X1	3530	17	9985.0	10017.3	250	270	260			
GR	2964.3	9895.8	2952.4	9924.7	2947.3	9951.6	2944.2	9964.0	2938.0	9971.0
GR	2935.8	9985.0	2933.9	9990.7	2932.8	10000.0	2934.3	10009.7	2936.5	10017.3
GR	2935.0	10029.7	2937.5	10045.9	2939.9	10063.0	2943.6	10074.3	2950.0	10093.4
GR	2957.3	10110.7	2962.6	10116.7						
ET			9.1						9982.4	10005.6
X1	3610	9	9991.1	10005.6	420	420	420			
GR	2986.6	9923.5	2969.9	9950.8	2961.6	9964.8	2958.7	9991.1	2956.6	10000.0
GR	2956.4	10005.6	2973.5	10015.9	2976.7	10016.1	2992.8	10029.4		
NC	.06	.06	.05							
ET			9.1						9990.2	10020.5
X1	3710	12	9990.2	10012.0	540	520	530			
GR	3019.2	9933.9	3001.9	9963.5	2995.3	9976.8	2989.9	9990.2	2988.4	9998.5
GR	2989.9	10000.0	2990.3	10012.0	2991.7	10028.9	2996.5	10051.5	3001.1	10070.6
GR	3009.8	10096.7	3012.3	10104.3						
NC	.05	.05	.045							
ET			9.1						9990.8	10013.5
X1	3790	10	9990.8	10013.5	420	410	420			
GR	3037.9	9921.2	3025.7	9959.6	3017.3	9975.3	3013.8	9990.8	3011.1	10000.0
GR	3010.0	10000.0	3013.5	10013.5	3018.5	10016.8	3036.8	10040.7	3049.0	10054.4
NC	.065	.065	.05							
ET			9.1						9992.7	10013.7
X1	3920	11	9999.5	10013.7	720	660	690			
GR	3088.0	9919.5	3076.4	9947.5	3061.6	9972.3	3057.3	9982.8	3053.6	9999.5
GR	3052.9	10000.0	3052.2	10007.1	3056.2	10013.7	3060.4	10020.8	3074.7	10033.6
GR	3080.9	10044.7								

ET			9.1						9968.9	10015.5
X1	4010	14	9995.2	10015.5	470	490	480			
GR	3119.1	9900.2	3101.8	9923.9	3090.0	9946.6	3087.7	9951.9	3088.7	9965.2
GR	3090.0	9976.8	3088.6	9995.2	3086.2	10000.0	3086.8	10012.5	3089.1	10015.5
GR	3096.0	10021.4	3103.4	10036.5	3111.6	10052.8	3113.2	10053.9		
NC	.06	.06	.045							
ET			9.1						9989.0	10008.3
X1	4080	13	9985.8	10008.3	390	350	370			
GR	3147.4	9905.9	3138.5	9936.4	3130.6	9963.5	3126.1	9980.0	3119.6	9985.8
GR	3110.6	9995.4	3109.6	10000.0	3114.7	10008.3	3117.0	10019.8	3117.0	10029.8
GR	3127.6	10046.1	3137.4	10061.9	3139.6	10066.5				
NC	.06	.06	.06							
ET			9.1						9993.0	10011.0
X1	4170	10	9993.0	10013.7	450	510	480			
GR	3181.1	9949.4	3165.2	9969.2	3161.7	9979.0	3153.2	9993.0	3150.8	10000.0
GR	3151.8	10005.0	3159.0	10013.7	3170.3	10025.5	3183.1	10049.6	3186.6	10055.5
NC	.05	.05	.05							
ET			9.1						9978.2	10007.2
X1	4260	10	9983.6	10007.2	500	460	480			
GR	3216.9	9907.8	3205.7	9940.0	3198.3	9962.6	3196.7	9983.6	3196.0	9997.2
GR	3194.1	10000.0	3194.4	10007.2	3204.9	10015.0	3221.7	10034.1	3229.3	10039.7
	.05	.05	.045							
ET			9.1						9985.0	10013.8
X1	4340	11	9981.4	10013.8	420	420	420			
GR	3266.5	9946.5	3242.8	9969.5	3231.4	9981.4	3224.7	9993.9	3223.7	9998.7
GR	3224.1	10000.0	3227.6	10013.8	3230.6	10030.0	3237.3	10056.0	3244.6	10076.2
GR	3247.9	10079.1								
NC	.06	.06	.05							
ET			9.1						9985.8	10011.8
X1	4450	11	9985.8	10011.8	580	580	580			
GR	3307.0	9924.1	3295.0	9947.0	3292.8	9968.2	3292.8	9979.2	3287.9	9985.8
GR	3283.4	10000.0	3281.5	10004.1	3286.8	10011.8	3289.0	10016.3	3296.7	10032.0
GR	3306.3	10056.7								
ET			9.1						9984.2	10021.0
X1	4520	9	9984.2	10010.6	380	360	370			
GR	3344.3	9934.1	3333.2	9961.4	3323.8	9984.2	3316.8	9994.9	3316.8	10000.0
GR	3318.4	10010.6	3319.3	10021.0	3324.1	10043.2	3329.5	10059.2		

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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
     100-YEAR FLOOD FREQUENCY MODEL (ENCROACHMENT CONDITIONS)
T3   COTTONWOOD WASH          (CW.MCE)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             3                                               2287.95

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    15               -1
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THIS RUN EXECUTED 3/ 6/90 14: 2: 8

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

COTTONWOOD WASH

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	37800.000	10956.00	11.29	5.25	2282.70	.00	2287.95	1264.87	299.36	9847.20	9917.10	10138.70	10146.56
	37800.000	10956.00	11.56	5.25	2282.70	.00	2287.95	1224.01	221.60	9917.10	9917.10	10138.70	10138.70
	'30.000	10956.00	16.70	7.89	2297.10	890.00	2304.99	1194.11	154.88	9904.09	9985.90	10038.50	10058.97
	ı30.000	10956.00	17.27	8.43	2297.10	890.00	2305.53	1140.91	118.90	9919.60	9985.90	10038.50	10038.50
*	220.000	10956.00	11.80	7.57	2304.70	480.00	2312.27	794.87	225.72	9870.04	9875.90	10095.20	10095.76
	220.000	10956.00	10.68	8.03	2304.70	480.00	2312.73	930.00	219.30	9875.90	9875.90	10095.20	10095.20
*	320.000	10956.00	14.57	10.08	2314.00	530.00	2324.08	1374.64	295.78	9726.76	9972.30	10024.30	10022.54
*	320.000	10956.00	16.59	10.22	2314.00	530.00	2324.22	1219.10	144.51	9878.20	9972.30	10024.30	10022.71
*	450.000	10956.00	14.83	9.28	2326.70	690.00	2335.98	1471.88	161.76	9873.01	9948.50	10027.50	10034.77
*	450.000	10956.00	16.34	9.30	2326.70	690.00	2336.00	1282.15	91.60	9935.90	9948.50	10027.50	10027.50
*	510.000	10956.00	19.23	12.24	2332.20	320.00	2344.44	1070.80	76.86	9974.22	9979.90	10013.90	10051.08
*	510.000	10956.00	19.99	12.49	2332.20	320.00	2344.69	874.58	56.40	9979.90	9979.90	10013.90	10036.30
*	570.000	10956.00	16.59	11.12	2340.30	320.00	2351.42	969.37	118.86	9979.68	9986.10	10036.90	10098.54
*	570.000	10956.00	17.15	11.52	2340.30	320.00	2351.82	892.30	87.80	9986.10	9986.10	10036.90	10073.90
*	660.000	10956.00	14.41	9.41	2351.20	480.00	2360.61	1261.09	186.34	9944.44	9966.00	10052.60	10130.78
*	660.000	10956.00	15.98	9.40	2351.20	480.00	2360.60	1083.36	94.70	9966.00	9966.00	10052.60	10060.70
*	690.000	10956.00	16.25	11.28	2353.80	160.00	2365.08	1183.16	96.44	9940.21	9948.40	10026.00	10036.65
*	690.000	10956.00	16.67	11.24	2353.80	160.00	2365.04	1052.22	77.60	9948.40	9948.40	10026.00	10026.00
*	790.000	10956.00	12.95	8.63	2367.10	530.00	2375.73	1187.73	418.06	9676.36	9681.20	9769.80	10094.43
*	790.000	10956.00	13.25	9.32	2367.10	530.00	2376.42	1228.89	283.50	9681.20	9681.20	9769.80	9964.70
	870.000	10956.00	16.31	7.74	2375.80	420.00	2383.54	921.78	256.19	9972.86	9973.20	10018.70	10229.05
*	870.000	10956.00	17.32	8.17	2375.80	420.00	2383.97	895.48	170.40	9973.20	9973.20	10018.70	10143.60

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	940.000	10956.00	13.83	10.34	2382.40	370.00	2392.74	1128.91	356.01	9658.95	9952.30	10017.30	10014.96
*	940.000	10956.00	16.09	11.46	2382.40	370.00	2393.86	1061.72	149.71	9865.80	9952.30	10017.30	10015.50
*	1030.000	10956.00	17.28	11.20	2392.70	500.00	2403.90	1264.23	187.79	9972.67	9989.20	10026.40	10160.46
*	1030.000	10956.00	18.84	11.19	2392.70	500.00	2403.89	991.29	96.20	9989.20	9989.20	10026.40	10085.40
*	1140.000	10925.00	16.36	11.81	2406.00	580.00	2417.81	1142.47	127.57	9947.72	9974.50	10031.10	10075.29
*	1140.000	10925.00	18.14	11.64	2406.00	580.00	2417.64	1018.98	75.90	9971.70	9974.50	10031.10	10047.60
*	1230.000	10925.00	19.85	14.31	2418.10	480.00	2432.41	1200.28	89.31	9970.90	9980.60	10011.20	10060.20
*	1230.000	10925.00	20.46	14.37	2418.10	480.00	2432.47	984.78	58.10	9980.60	9980.60	10011.20	10038.70
*	1340.000	10925.00	17.60	15.40	2440.10	580.00	2455.50	941.43	99.80	9978.08	9993.60	10030.50	10077.88
*	1340.000	10925.00	19.56	15.14	2440.10	580.00	2455.24	835.78	64.80	9989.80	9993.60	10030.50	10054.60
*	1400.000	10925.00	17.53	11.47	2449.90	320.00	2461.37	901.65	151.17	9925.35	9984.80	10016.90	10076.52
	1400.000	10925.00	17.41	12.35	2449.90	320.00	2462.25	963.11	112.90	9944.70	9984.80	10016.90	10057.60
*	1540.000	10925.00	18.60	12.65	2466.20	740.00	2478.85	1088.83	106.01	9944.00	9989.00	10025.50	10050.01
*	1540.000	10925.00	20.09	12.65	2466.20	740.00	2478.85	1007.84	71.10	9958.20	9989.00	10025.50	10029.30
*	1630.000	10925.00	19.31	13.32	2476.00	480.00	2489.32	1121.99	82.95	9951.83	9975.90	10013.30	10034.78
*	1630.000	10925.00	20.69	13.29	2476.00	480.00	2489.29	1045.48	56.40	9967.60	9975.90	10013.30	10024.00
	740.000	10925.00	16.51	10.41	2490.10	580.00	2500.51	1064.26	131.36	9893.76	9958.60	10022.40	10025.12
*	1740.000	10925.00	17.04	10.89	2490.10	580.00	2500.99	1055.20	96.40	9926.00	9958.60	10022.40	10022.40
*	1850.000	9424.00	17.93	12.60	2515.50	580.00	2528.10	779.53	71.36	9982.44	9993.60	10034.40	10053.80
*	1850.000	9424.00	19.32	12.49	2515.50	580.00	2527.99	634.15	47.70	9993.60	9993.60	10034.40	10041.30
*	1970.000	9424.00	16.17	8.50	2539.70	630.00	2548.20	726.19	132.64	9947.90	9974.50	10020.50	10080.53
*	1970.000	9424.00	17.52	8.70	2539.70	630.00	2548.40	682.28	92.30	9964.40	9974.50	10020.50	10056.70
*	2070.000	9424.00	18.47	12.07	2565.20	530.00	2577.27	857.16	78.42	9975.90	9984.30	10018.20	10054.33
*	2070.000	9424.00	19.50	12.19	2565.20	530.00	2577.39	672.47	51.70	9984.30	9984.30	10018.20	10036.00
*	2120.000	9424.00	16.68	9.32	2579.10	260.00	2588.42	810.66	87.88	9956.35	9964.90	10020.10	10044.23
*	2120.000	9424.00	17.67	9.55	2579.10	260.00	2588.65	704.78	61.60	9964.90	9964.90	10020.10	10026.50
*	2190.000	9424.00	15.05	7.78	2592.00	370.00	2599.78	742.12	149.77	9962.57	9975.80	10032.20	10112.33
*	2190.000	9424.00	16.03	8.10	2592.00	370.00	2600.10	681.36	99.30	9975.80	9975.80	10032.20	10075.10
*	2300.000	9424.00	15.64	8.43	2612.70	580.00	2621.13	780.69	92.65	9936.35	9946.20	10019.90	10029.00
*	2300.000	9424.00	16.10	8.51	2612.70	580.00	2621.21	684.45	73.70	9946.20	9946.20	10019.90	10019.90
*	2400.000	9424.00	16.47	8.68	2627.90	530.00	2636.58	754.96	112.31	9930.57	9976.20	10021.60	10042.87
*	2400.000	9424.00	17.64	8.91	2627.90	530.00	2636.81	718.63	79.60	9947.10	9976.20	10021.60	10026.70
	2470.000	9424.00	13.93	8.35	2641.70	370.00	2650.05	738.54	166.74	9864.85	9955.20	10027.00	10031.58
	70.000	9424.00	15.58	8.41	2641.70	370.00	2650.11	639.14	95.50	9931.50	9955.20	10027.00	10027.00

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	2580.000	9424.00	16.23	6.86	2665.50	580.00	2672.36	662.85	145.12	9903.41	9988.80	10032.00	10048.53
*	2580.000	9424.00	16.68	7.41	2665.50	580.00	2672.91	616.68	106.50	9925.50	9988.80	10032.00	10032.00
*	2710.000	1366.00	8.28	3.36	2695.40	690.00	2698.76	86.94	86.75	9957.02	9967.90	10054.10	10043.77
*	2710.000	1366.00	8.49	3.46	2695.40	690.00	2698.86	85.37	74.10	9967.90	9967.90	10054.10	10042.00
*	2790.000	1366.00	9.07	3.55	2714.50	420.00	2718.05	93.41	92.26	9979.67	9980.80	10022.70	10071.93
*	2790.000	1366.00	10.09	4.04	2714.50	420.00	2718.54	92.59	48.00	9980.80	9980.80	10022.70	10028.80
*	2850.000	1366.00	11.31	5.34	2728.90	320.00	2734.24	100.38	46.99	9967.28	9987.50	10009.30	10014.27
*	2850.000	1366.00	12.68	5.36	2728.90	320.00	2734.26	74.01	21.80	9987.50	9987.50	10009.30	10009.30
*	2910.000	1366.00	9.00	5.24	2745.50	320.00	2750.74	91.97	83.54	9989.83	9984.70	10031.30	10073.38
*	2910.000	1366.00	10.44	5.28	2745.50	320.00	2750.78	77.57	40.30	9991.00	9984.70	10031.30	10031.30
*	3010.000	1366.00	8.67	3.67	2777.90	530.00	2781.57	80.69	77.64	9972.47	9970.90	10036.00	10050.12
*	3010.000	1366.00	9.00	3.77	2777.90	530.00	2781.67	78.38	62.00	9974.00	9970.90	10036.00	10036.00
*	3080.000	1366.00	9.14	4.64	2797.00	370.00	2801.64	88.33	67.94	9974.98	9976.10	10020.50	10042.92
*	3080.000	1366.00	10.03	4.86	2797.00	370.00	2801.86	81.07	44.40	9976.10	9976.10	10020.50	10020.50
*	3150.000	1366.00	10.34	6.20	2818.60	370.00	2824.80	95.81	58.35	9959.77	9980.30	10009.60	10018.12
*	3150.000	1366.00	11.52	6.27	2818.60	370.00	2824.87	77.83	29.30	9980.30	9980.30	10009.60	10009.60
	3210.000	1366.00	10.48	4.04	2837.60	320.00	2841.64	74.45	60.22	9989.27	9994.80	10021.00	10049.49
*	3210.000	1366.00	11.66	4.46	2837.60	320.00	2842.06	67.60	33.60	9994.80	9994.80	10021.00	10028.40
*	3320.000	1366.00	9.69	5.01	2869.30	580.00	2874.31	106.34	68.73	9942.02	9975.20	10014.20	10010.74
*	3320.000	1366.00	10.98	4.85	2869.30	580.00	2874.15	89.09	33.80	9975.20	9975.20	10014.20	10009.00
*	3410.000	1366.00	9.67	5.65	2891.00	480.00	2896.65	112.39	66.78	9955.07	9989.80	10022.20	10021.85
*	3410.000	1366.00	11.36	5.48	2891.00	480.00	2896.48	91.58	30.20	9989.80	9989.80	10022.20	10020.00
*	3480.000	1366.00	11.31	6.08	2910.20	370.00	2916.28	100.04	44.82	9969.07	9993.90	10015.10	10013.89
*	3480.000	1366.00	11.87	6.06	2910.20	370.00	2916.26	96.78	38.00	9974.00	9993.90	10015.10	10012.00
*	3530.000	1366.00	9.51	4.95	2932.80	260.00	2937.75	98.52	75.10	9972.59	9985.00	10017.30	10047.69
*	3530.000	1366.00	11.16	5.15	2932.80	260.00	2937.95	81.19	32.30	9985.00	9985.00	10017.30	10017.30
*	3610.000	1366.00	11.90	6.29	2956.40	420.00	2962.69	104.91	46.43	9962.96	9991.10	10005.60	10009.39
*	3610.000	1366.00	13.46	6.47	2956.40	420.00	2962.87	74.37	23.20	9982.40	9991.10	10005.60	10005.60
*	3710.000	1366.00	10.78	5.24	2988.40	530.00	2993.64	92.23	57.10	9980.92	9990.20	10012.00	10038.02
*	3710.000	1366.00	12.12	5.59	2988.40	530.00	2993.99	77.64	30.30	9990.20	9990.20	10012.00	10020.50
*	3790.000	1366.00	11.57	6.81	3010.00	420.00	3016.81	104.69	38.19	9977.49	9990.80	10013.50	10015.68
*	3790.000	1366.00	12.57	6.82	3010.00	420.00	3016.82	82.87	22.70	9990.80	9990.80	10013.50	10013.50
*	3920.000	1366.00	12.20	6.58	3052.20	690.00	3058.78	96.23	38.89	9979.18	9999.50	10013.70	10018.07
	3920.000	1366.00	14.10	6.69	3052.20	690.00	3058.89	75.88	21.00	9992.70	9999.50	10013.70	10013.70

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	4010.000	1366.00	10.38	4.75	3086.20	480.00	3090.95	94.71	72.30	9944.78	9995.20	10015.50	10017.08
*	4010.000	1366.00	11.04	5.39	3086.20	480.00	3091.59	91.42	46.60	9968.90	9995.20	10015.50	10015.50
*	4080.000	1366.00	11.20	8.21	3109.60	370.00	3117.81	108.36	43.34	9987.71	9985.80	10008.30	10031.05
*	4080.000	1366.00	13.27	7.88	3109.60	370.00	3117.48	83.23	19.30	9989.00	9985.80	10008.30	10008.30
*	4170.000	1366.00	12.23	7.27	3150.80	480.00	3158.07	75.16	27.58	9984.99	9993.00	10013.70	10012.57
*	4170.000	1366.00	13.55	7.37	3150.80	480.00	3158.17	60.58	18.00	9993.00	9993.00	10013.70	10011.00
*	4260.000	1366.00	10.55	5.48	3194.10	480.00	3199.58	95.64	52.34	9958.70	9983.60	10007.20	10011.04
*	4260.000	1366.00	11.97	5.82	3194.10	480.00	3199.92	77.66	29.00	9978.20	9983.60	10007.20	10007.20
*	4340.000	1366.00	10.61	6.38	3223.70	420.00	3230.08	103.80	43.35	9983.86	9981.40	10013.80	10027.21
*	4340.000	1366.00	11.61	6.26	3223.70	420.00	3229.96	89.94	28.80	9985.00	9981.40	10013.80	10013.80
*	4450.000	1366.00	11.58	7.65	3281.50	580.00	3289.15	88.72	32.50	9984.11	9985.80	10011.80	10016.61
*	4450.000	1366.00	12.06	7.56	3281.50	580.00	3289.06	77.92	26.00	9985.80	9985.80	10011.80	10011.80
*	4520.000	1366.00	10.87	5.21	3316.80	370.00	3322.01	89.52	46.59	9986.94	9984.20	10010.60	10033.53
*	4520.000	1366.00	11.70	5.26	3316.80	370.00	3322.06	83.67	34.14	9986.86	9984.20	10010.60	10021.00

:ONWOOD WASH

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
	37800.000	10956.00	2287.95	.00	.00	.00	9917.10	10138.70	.00	75.03	2289.89	.00
	37800.000	10956.00	2287.95	.00	.00	9917.10	9917.10	10138.70	10138.70	80.12	2290.03	.14
*	130.000	10956.00	2304.99	.00	17.04	.00	9985.90	10038.50	.00	84.18	2307.96	.00
*	130.000	10956.00	2305.53	.54	17.58	9919.60	9985.90	10038.50	10038.50	92.21	2308.96	1.00
*	220.000	10956.00	2312.27	.00	7.28	.00	9875.90	10095.20	.00	189.98	2314.43	.00
	220.000	10956.00	2312.73	.46	7.20	9875.90	9875.90	10095.20	10095.20	138.78	2314.50	.07
*	320.000	10956.00	2324.08	.00	11.81	.00	9972.30	10024.30	.00	63.52	2326.07	.00
*	320.000	10956.00	2324.22	.15	11.49	9878.20	9972.30	10024.30	10024.30	80.76	2327.21	1.15
*	450.000	10956.00	2335.98	.00	11.90	.00	9948.50	10027.50	.00	55.41	2339.01	.00
*	450.000	10956.00	2336.00	.02	11.78	9935.90	9948.50	10027.50	10027.50	73.02	2340.01	1.00
*	510.000	10956.00	2344.44	.00	8.45	.00	9979.90	10013.90	.00	104.69	2349.06	.00
*	510.000	10956.00	2344.69	.25	8.69	9979.90	9979.90	10013.90	10036.30	156.93	2350.06	1.00
	570.000	10956.00	2351.42	.00	6.98	.00	9986.10	10036.90	.00	127.74	2354.80	.00
*	570.000	10956.00	2351.82	.40	7.13	9986.10	9986.10	10036.90	10073.90	150.76	2355.79	.99
*	660.000	10956.00	2360.61	.00	9.19	.00	9966.00	10052.60	.00	75.48	2363.49	.00
*	660.000	10956.00	2360.60	-.00	8.78	9966.00	9966.00	10052.60	10060.70	102.27	2364.49	1.00
*	690.000	10956.00	2365.08	.00	4.47	.00	9948.40	10026.00	.00	85.75	2369.10	.00
*	690.000	10956.00	2365.04	-.04	4.44	9948.40	9948.40	10026.00	10026.00	108.42	2369.35	.26
*	790.000	10956.00	2375.73	.00	10.65	.00	9681.20	9769.80	.00	85.09	2377.51	.00
*	790.000	10956.00	2376.42	.70	11.38	9681.20	9681.20	9769.80	9964.70	79.48	2378.49	.99
*	870.000	10956.00	2383.54	.00	7.81	.00	9973.20	10018.70	.00	141.27	2385.76	.00
*	870.000	10956.00	2383.97	.43	7.55	9973.20	9973.20	10018.70	10143.60	149.69	2386.76	1.00
*	940.000	10956.00	2392.74	.00	9.20	.00	9952.30	10017.30	.00	94.19	2394.54	.00
*	940.000	10956.00	2393.86	1.11	9.88	9865.80	9952.30	10017.30	10017.30	106.48	2396.96	2.42
*	1030.000	10956.00	2403.90	.00	11.15	.00	9989.20	10026.40	.00	75.10	2406.93	.00
*	1030.000	10956.00	2403.89	-.01	10.03	9989.20	9989.20	10026.40	10085.40	122.15	2407.93	1.00
*	1140.000	10925.00	2417.81	.00	13.91	.00	9974.50	10031.10	.00	91.44	2421.40	.00
*	1140.000	10925.00	2417.64	-.17	13.75	9971.70	9974.50	10031.10	10047.60	114.95	2422.40	1.00
*	1230.000	10925.00	2432.41	.00	14.60	.00	9980.60	10011.20	.00	82.85	2436.92	.00
	1230.000	10925.00	2432.47	.07	14.84	9980.60	9980.60	10011.20	10038.70	123.07	2437.72	.79
*	1340.000	10925.00	2455.50	.00	23.09	.00	9993.60	10030.50	.00	134.67	2459.46	.00
*	1340.000	10925.00	2455.24	-.25	22.77	9989.80	9993.60	10030.50	10054.60	170.87	2460.46	1.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	1400.000	10925.00	2461.37	.00	5.87	.00	9984.80	10016.90	.00	146.81	2464.37	.00
	1400.000	10925.00	2462.25	.88	7.00	9944.70	9984.80	10016.90	10057.60	128.67	2465.37	1.00
*	1540.000	10925.00	2478.85	.00	17.48	.00	9989.00	10025.50	.00	100.68	2482.92	.00
*	1540.000	10925.00	2478.85	.00	16.60	9958.20	9989.00	10025.50	10029.30	117.51	2483.93	1.00
*	1630.000	10925.00	2489.32	.00	10.48	.00	9975.90	10013.30	.00	94.81	2494.24	.00
*	1630.000	10925.00	2489.29	-.04	10.44	9967.60	9975.90	10013.30	10024.00	109.20	2495.24	1.00
*	1740.000	10925.00	2500.51	.00	11.18	.00	9958.60	10022.40	.00	105.38	2503.90	.00
*	1740.000	10925.00	2500.99	.48	11.70	9926.00	9958.60	10022.40	10022.40	107.20	2504.90	1.00
*	1850.000	9424.00	2528.10	.00	27.60	.00	9993.60	10034.40	.00	146.15	2532.65	.00
*	1850.000	9424.00	2527.99	-.11	27.00	9993.60	9993.60	10034.40	10041.30	220.84	2533.56	.92
*	1970.000	9424.00	2548.20	.00	20.09	.00	9974.50	10020.50	.00	168.41	2551.12	.00
*	1970.000	9424.00	2548.40	.20	20.40	9964.40	9974.50	10020.50	10056.70	190.79	2552.12	1.00
*	2070.000	9424.00	2577.27	.00	29.08	.00	9984.30	10018.20	.00	120.88	2581.59	.00
*	2070.000	9424.00	2577.39	.12	29.00	9984.30	9984.30	10018.20	10036.00	196.39	2582.59	1.00
*	2120.000	9424.00	2588.42	.00	11.14	.00	9964.90	10020.10	.00	135.14	2592.35	.00
*	2120.000	9424.00	2588.65	.23	11.25	9964.90	9964.90	10020.10	10026.50	178.80	2593.34	1.00
*	2190.000	9424.00	2599.78	.00	11.36	.00	9975.80	10032.20	.00	161.26	2602.44	.00
*	2190.000	9424.00	2600.10	.32	11.45	9975.80	9975.80	10032.20	10075.10	191.30	2603.44	1.00
*	2300.000	9424.00	2621.13	.00	21.35	.00	9946.20	10019.90	.00	145.72	2624.80	.00
*	2300.000	9424.00	2621.21	.08	21.11	9946.20	9946.20	10019.90	10019.90	189.58	2625.23	.43
*	2400.000	9424.00	2636.58	.00	15.45	.00	9976.20	10021.60	.00	155.82	2639.82	.00
*	2400.000	9424.00	2636.81	.24	15.61	9947.10	9976.20	10021.60	10026.70	171.97	2640.82	1.00
*	2470.000	9424.00	2650.05	.00	13.47	.00	9955.20	10027.00	.00	162.83	2652.56	.00
*	2470.000	9424.00	2650.11	.06	13.30	9931.50	9955.20	10027.00	10027.00	217.41	2653.56	1.00
*	2580.000	9424.00	2672.36	.00	22.31	.00	9988.80	10032.00	.00	202.13	2675.11	.00
*	2580.000	9424.00	2672.91	.54	22.80	9925.50	9988.80	10032.00	10032.00	233.53	2676.11	1.00
*	2710.000	1366.00	2698.76	.00	26.39	.00	9967.90	10054.10	.00	246.88	2699.77	.00
*	2710.000	1366.00	2698.86	.10	25.95	9967.90	9967.90	10054.10	10042.00	256.06	2699.98	.20
*	2790.000	1366.00	2718.05	.00	19.29	.00	9980.80	10022.70	.00	213.86	2719.07	.00
*	2790.000	1366.00	2718.54	.50	19.68	9980.80	9980.80	10022.70	10028.80	217.68	2720.07	1.00
*	2850.000	1366.00	2734.24	.00	16.19	.00	9987.50	10009.30	.00	185.19	2736.02	.00
*	2850.000	1366.00	2734.26	.03	15.72	9987.50	9987.50	10009.30	10009.30	340.68	2736.76	.74
	2910.000	1366.00	2750.74	.00	16.50	.00	9984.70	10031.30	.00	220.61	2751.85	.00
	10.000	1366.00	2750.78	.04	16.52	9991.00	9984.70	10031.30	10031.30	310.14	2752.48	.62

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	3010.000	1366.00	2781.57	.00	30.83	.00	9970.90	10036.00	.00	286.59	2782.68	.00
*	3010.000	1366.00	2781.67	.10	30.89	9974.00	9970.90	10036.00	10036.00	303.70	2782.93	.25
*	3080.000	1366.00	2801.64	.00	20.07	.00	9976.10	10020.50	.00	239.16	2802.83	.00
*	3080.000	1366.00	2801.86	.22	20.19	9976.10	9976.10	10020.50	10020.50	283.92	2803.42	.60
*	3150.000	1366.00	2824.80	.00	23.16	.00	9980.30	10009.60	.00	203.28	2826.29	.00
*	3150.000	1366.00	2824.87	.07	23.01	9980.30	9980.30	10009.60	10009.60	308.01	2826.94	.65
*	3210.000	1366.00	2841.64	.00	16.83	.00	9994.80	10021.00	.00	336.60	2843.01	.00
*	3210.000	1366.00	2842.06	.43	17.19	9994.80	9994.80	10021.00	10028.40	408.33	2844.01	1.00
*	3320.000	1366.00	2874.31	.00	32.67	.00	9975.20	10014.20	.00	165.01	2875.69	.00
*	3320.000	1366.00	2874.15	-.16	32.09	9975.20	9975.20	10014.20	10009.00	235.07	2876.02	.34
*	3410.000	1366.00	2896.65	.00	22.34	.00	9989.80	10022.20	.00	147.71	2897.97	.00
*	3410.000	1366.00	2896.48	-.17	22.32	9989.80	9989.80	10022.20	10020.00	222.46	2898.48	.51
*	3480.000	1366.00	2916.28	.00	19.63	.00	9993.90	10015.10	.00	186.45	2917.89	.00
*	3480.000	1366.00	2916.26	-.02	19.78	9974.00	9993.90	10015.10	10012.00	199.21	2918.06	.16
*	3530.000	1366.00	2937.75	.00	21.47	.00	9985.00	10017.30	.00	192.25	2938.94	.00
*	3530.000	1366.00	2937.95	.20	21.69	9985.00	9985.00	10017.30	10017.30	283.08	2939.88	.94
	3610.000	1366.00	2962.69	.00	24.94	.00	9991.10	10005.60	.00	169.54	2964.35	.00
*	3610.000	1366.00	2962.87	.18	24.93	9982.40	9991.10	10005.60	10005.60	337.38	2965.34	.99
*	3710.000	1366.00	2993.64	.00	30.95	.00	9990.20	10012.00	.00	219.36	2995.06	.00
*	3710.000	1366.00	2993.99	.35	31.12	9990.20	9990.20	10012.00	10020.50	309.58	2996.06	1.00
*	3790.000	1366.00	3016.81	.00	23.17	.00	9990.80	10013.50	.00	170.24	3018.74	.00
*	3790.000	1366.00	3016.82	.02	22.83	9990.80	9990.80	10013.50	10013.50	271.69	3019.27	.53
*	3920.000	1366.00	3058.78	.00	41.98	.00	9999.50	10013.70	.00	201.48	3060.60	.00
*	3920.000	1366.00	3058.89	.10	42.06	9992.70	9999.50	10013.70	10013.70	324.07	3061.59	.99
*	4010.000	1366.00	3090.95	.00	32.16	.00	9995.20	10015.50	.00	208.04	3092.15	.00
*	4010.000	1366.00	3091.59	.64	32.70	9968.90	9995.20	10015.50	10015.50	223.26	3093.14	1.00
*	4080.000	1366.00	3117.81	.00	26.87	.00	9985.80	10008.30	.00	158.92	3119.60	.00
*	4080.000	1366.00	3117.48	-.34	25.89	9989.00	9985.80	10008.30	10008.30	269.34	3120.21	.61
*	4170.000	1366.00	3158.07	.00	40.25	.00	9993.00	10013.70	.00	330.29	3160.23	.00
*	4170.000	1366.00	3158.17	.10	40.69	9993.00	9993.00	10013.70	10011.00	508.45	3161.02	.79
*	4260.000	1366.00	3199.58	.00	41.51	.00	9983.60	10007.20	.00	204.00	3201.02	.00
*	4260.000	1366.00	3199.92	.34	41.75	9978.20	9983.60	10007.20	10007.20	309.35	3202.03	1.01
*	4340.000	1366.00	3230.08	.00	30.51	.00	9981.40	10013.80	.00	173.17	3231.75	.00
	4340.000	1366.00	3229.96	-.13	30.04	9985.00	9981.40	10013.80	10013.80	230.65	3232.05	.29

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	4450.000	1366.00	3289.15	.00	59.07	.00	9985.80	10011.80	.00	237.07	3291.20	.00
*	4450.000	1366.00	3289.06	-.09	59.10	9985.80	9985.80	10011.80	10011.80	307.36	3291.32	.12
*	4520.000	1366.00	3322.01	.00	32.86	.00	9984.20	10010.60	.00	232.86	3323.57	.00
*	4520.000	1366.00	3322.06	.05	33.00	9984.20	9984.20	10010.60	10021.00	266.52	3323.96	.39

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=    130.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    130.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    130.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    130.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    130.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    130.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    220.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    450.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    450.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    450.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    450.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    450.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    450.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    510.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    510.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    570.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    660.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=    660.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    690.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    690.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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 ON SECNO=   790.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   790.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   790.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   790.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   790.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION SECNO=  1400.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

  I SECNO=  1540.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=  1540.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=  1540.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  1630.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=  1630.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  1630.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1630.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1630.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  1740.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1740.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1740.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  1740.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1740.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1740.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  1850.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1850.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1850.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  1850.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1850.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1850.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

    ON SECNO=   1970.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CA  ON SECNO=   1970.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1970.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  1970.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1970.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  2070.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2070.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2070.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  2070.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2070.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2070.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  2120.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2120.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2120.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  2120.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2120.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2120.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  2190.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2190.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2190.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  2190.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2190.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

    I SECNO=    2300.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  2300.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  2300.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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 ON SECNO=   2300.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2300.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2300.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   2400.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2400.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2400.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2400.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2400.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   2470.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2470.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2470.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2470.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2470.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2470.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   2580.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2580.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2580.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2580.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2580.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   2710.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2710.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
 N SECNO=   2710.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CA  JN SECNO=   2710.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2710.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2710.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   2790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2790.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2790.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2790.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   2850.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2850.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2850.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2850.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2850.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2850.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   2910.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2910.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2910.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   2910.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2910.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   3010.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3010.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
 ON SECNO=   3010.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
 I SECNO=   3010.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3010.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3010.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=  3080.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3080.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3080.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3080.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3150.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3150.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3150.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3150.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3150.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3150.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3210.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3210.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3210.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3210.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3210.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3320.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3320.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3410.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
    ON SECNO=  3410.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
    ON SECNO=  3410.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3410.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3410.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3480.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3480.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3480.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3480.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3480.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3480.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3530.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3530.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3530.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3530.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3530.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3530.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  3610.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3610.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3610.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3610.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

    I SECNO=  3710.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3710.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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 N SECNO=  3710.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3710.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3790.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3790.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3790.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  3920.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3920.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  3920.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  3920.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  3920.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4010.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4010.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4010.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4010.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4080.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
TION SECNO=  4080.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
 N SECNO=  4080.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
 N SECNO=  4080.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4080.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4080.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4170.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4170.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4170.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4170.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4260.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4260.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4260.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4260.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  4340.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4340.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4340.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4340.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4340.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4340.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

TION SECNO=  4450.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
 I SECNO=  4450.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4450.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4450.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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 N SECNO=   4450.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4450.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4520.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4520.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4520.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4520.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

FLOODWAY DATA, COTTONWOOD WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
37800.000	222.	947.	11.6	2287.9	2287.9	.0
130.000	119.	834.	13.1	2305.5	2305.0	.5
220.000	219.	1026.	10.7	2312.7	2312.3	.4
320.000	145.	925.	11.8	2324.2	2324.1	.1
450.000	92.	712.	15.4	2336.0	2336.0	.0
510.000	56.	609.	18.0	2344.7	2344.4	.3
570.000	88.	699.	15.7	2351.8	2351.4	.4
660.000	95.	714.	15.3	2360.6	2360.6	.0
690.000	78.	657.	16.7	2365.0	2365.1	-.1
790.000	283.	1249.	8.8	2376.4	2375.7	.7
870.000	170.	976.	11.2	2384.0	2383.5	.5
940.000	150.	941.	11.6	2393.9	2392.7	1.2
1030.000	96.	801.	13.7	2403.9	2403.9	.0
1140.000	76.	685.	16.0	2417.6	2417.8	-.2
1230.000	58.	640.	17.1	2432.5	2432.4	.1
[illegible].000	65.	651.	16.8	2455.2	2455.5	-.3
[illegible]0.000	113.	903.	12.1	2462.2	2461.4	.8
1540.000	71.	699.	15.6	2478.8	2478.8	.0
1630.000	56.	634.	17.2	2489.3	2489.3	.0
1740.000	96.	753.	14.5	2501.0	2500.5	.5
1850.000	48.	518.	18.2	2528.0	2528.1	-.1
1970.000	92.	663.	14.2	2548.4	2548.2	.2
2070.000	52.	544.	17.3	2577.4	2577.3	.1
2120.000	62.	562.	16.8	2588.6	2588.4	.2
2190.000	99.	669.	14.1	2600.1	2599.8	.3
2300.000	74.	585.	16.1	2621.2	2621.1	.1
2400.000	80.	626.	15.0	2636.8	2636.6	.2
2470.000	95.	650.	14.5	2650.1	2650.0	.1
2580.000	106.	697.	13.5	2672.9	2672.4	.5
2710.000	74.	161.	8.5	2698.9	2698.8	.1
2790.000	48.	142.	9.6	2718.5	2718.0	.5
2850.000	22.	108.	12.7	2734.3	2734.2	.1
2910.000	40.	131.	10.4	2750.8	2750.7	.1
3010.000	62.	152.	9.0	2781.7	2781.6	.1
3080.000	44.	136.	10.0	2801.9	2801.6	.3
3150.000	29.	119.	11.5	2824.9	2824.8	.1
3210.000	34.	128.	10.7	2842.1	2841.6	.5
3320.000	34.	124.	11.0	2874.2	2874.3	-.1
3410.000	30.	120.	11.4	2896.5	2896.7	-.2
3480.000	38.	142.	9.6	2916.3	2916.3	.0
[illegible]30.000	32.	122.	11.2	2937.9	2937.8	.1
[illegible].000	23.	114.	12.0	2962.9	2962.7	.2

FLOODWAY DATA, COTTONWOOD WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
3710.000	30.	122.	11.2	2994.0	2993.6	.4
3790.000	23.	109.	12.6	3016.8	3016.8	.0
3920.000	21.	110.	12.5	3058.9	3058.8	.1
4010.000	47.	153.	8.9	3091.6	3090.9	.7
4080.000	19.	103.	13.3	3117.5	3117.8	-.3
4170.000	18.	101.	13.6	3158.2	3158.1	.1
4260.000	29.	119.	11.5	3199.9	3199.6	.3
4340.000	29.	118.	11.6	3230.0	3230.1	-.1
4450.000	26.	113.	12.1	3289.1	3289.2	-.1
4520.000	34.	129.	10.6	3322.1	3322.0	.1

```
*******************************************************
*  WATER SURFACE PROFILES                             *
*  VERSION OF SEPTEMBER 1988                          *
*  ERROR: 01,02,03                                    *
*  UPDATED:  SEPTEMBER 1989                           *
*  RUN DATE     2/26/90    TIME    15:37:16           *
*******************************************************
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*           (916) 756-1104
****************************************
```

CWT1.OUT 2-27-90
100 YR CWSEL DES

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 2/26/90 15:37:16

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
T2      10-YEAR FLOOD FREQUENCY MODEL
T3      COTTONWOOD WASH, TRIB. 1  (CWT1.DAT)


J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              2                         .021                                2396.16

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     1                -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38        1        43        8        55        26        56        13        14        15
     4        5        51
   150


QT       4       764      1187      1410      1804

NC     .07       .07       .05

        ******REVISED STREAMFLOWS FROM CVCRK43R.OUT***************
        COMMON STATION IS SEC.1.03 FROM COTTONWOOD WASH (CW.OUT)
        SECTION 000 = SECTION 1.08 OF COTTONWOOD WASH.
        QT VALUES ARE FROM SUBWTRSHD 'B6'
X1    1030        17    9989.2   10026.4
GR  2412.8    9888.8    2413.2    9928.8    2411.4    9951.0    2404.9    9971.0    2394.0    9989.2
GR  2392.7   10000.0    2393.4   10010.7    2395.2   10026.4    2395.4   10032.8    2397.0   10057.8
GR  2398.3   10087.5    2401.4   10114.0    2402.3   10145.0    2405.9   10179.8    2409.6   10205.2
GR  2420.4   10233.0    2429.2   10259.8


X1      60         9    9989.4   10009.4       620       560       580
GR  2432.2    9937.8    2421.4    9966.6    2414.7    9978.4    2411.5    9989.4    2410.0   10000.0
GR  2413.7   10009.4    2417.3   10016.2    2427.2   10035.2    2429.5   10042.0
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NC     .065      .065      .05

X1     150         9    9986.7   10010.8      460      500      480
X4       2    2430.0    9986.7    2430.0  10010.8
GR  2456.0    9952.8    2448.3    9964.6   2434.2   9982.0   2425.4   9991.8   2425.5  10000.0
GR  2428.3   10007.9    2433.9   10017.5   2439.5  10038.7   2440.6  10039.0


X1     180        10    9998.0   10013.5      170      130      160
GR  2459.8    9928.9    2451.9    9958.5   2441.1   9979.8   2438.7   9987.0   2438.7   9998.0
GR  2434.6   10000.0    2438.8   10013.5   2439.2  10017.8   2445.8  10028.1   2458.8  10044.9


QT       4       688      1068      1269      1624

NC     .065      .065      .045


        QT VALUES ARE 90% OF SUBWTRSHD 'B6'
X1     240        11    9992.6   10007.9      300      340      320
X4       1    2451.4   10007.9
GR  2475.7    9915.8    2466.6    9944.8   2460.1   9959.8   2454.3   9979.6   2453.8   9979.8
GR  2451.4    9992.6    2450.5   10000.0   2450.8  10007.4   2456.9  10012.1   2471.8  10031.0
GR  2474.9   10043.8

NC      .06       .06      .045

X1     320         8    9988.6   10011.6      420      420      420
X4       1    2469.1   10011.6
GR  2485.5    9942.5    2477.1    9959.7   2469.1   9988.6   2465.3  10000.0   2465.6  10007.5
GR  2473.0   10016.1    2482.7   10037.2   2485.6  10038.8


NC     .065      .065      .045

X1     440        11    9987.6   10000.0      650      610      630
GR  2509.7    9938.2    2500.9    9962.3   2496.8   9972.1   2491.1   9987.6   2489.1   9993.6
GR  2489.3    9998.7    2491.2   10000.0   2499.1  10011.8   2506.9  10022.2   2519.8  10052.1
GR  2522.3   10058.2


X1     560        15    9990.5   10015.5      630      630      630
GR  2534.8    9851.2    2531.4    9882.7   2525.3   9917.2   2523.1   9933.1   2519.3   9942.7
GR  2518.9    9950.4    2517.4    9973.6   2514.8   9975.8   2516.6   9990.5   2512.4  10000.0
GR  2514.4   10008.1    2516.9   10015.5   2518.8  10029.7   2533.4  10058.4   2538.2  10065.4
```

NC	.07	.07	.05							
X1	700	10	9995.7	10010.1	740	740	740			
GR	2578.9	9924.7	2558.7	9958.6	2549.4	9964.9	2546.0	9975.0	2540.0	9995.7
GR	2538.1	10000.0	2540.0	10010.1	2545.1	10025.6	2549.1	10029.1	2558.7	10054.0

```
  CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 1

*SECNO 1030.000
        ******REVISED STREAMFLOWS FROM CVCRK43R.OUT***************
        COMMON STATION IS SEC.1.03 FROM COTTONWOOD WASH (CW.OUT)
        SECTION 000 = SECTION 1.08 OF COTTONWOOD WASH.
        QT VALUES ARE FROM SUBWTRSHD 'B6'
 1030.000     3.46  2396.16  2396.07  2396.16  2397.08      .92      .00      .00  2394.00
    764.       11.     730.      22.       4.      93.      10.       0.       0.   2395.20
     .00     2.91     7.87     2.25     .070     .050     .070     .000  2392.70  9985.59
  .020846       0.       0.       0.        0        7        0      .00    59.08 10044.67


*SECNO 60.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   60.000     4.73  2414.73  2414.73      .00  2416.12     1.39    12.53      .00  2411.50
    764.       77.     685.       2.      18.      69.       1.       1.       1.   2413.70
     .02     4.27     9.89     1.88     .070     .050     .070     .000  2410.00  9978.34
    2248      620.     580.     560.       14       11        0      .00    33.01 10011.35


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     4.59  2429.99  2429.99      .00  2431.57     1.58    12.07      .00  2430.00
    764.        0.     764.       0.       0.      76.       0.       2.       1.   2430.00
     .03      .00    10.08      .00     .000     .050     .000     .000  2425.40  9986.71
  .028770     460.     480.     500.       15        8        0      .00    24.07 10010.78


*SECNO 180.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  180.000     6.02  2440.62  2440.62      .00  2441.87     1.24     4.06      .00  2438.70
    764.      130.     597.      37.      27.      61.       9.       3.       1.   2438.80
     .04     4.87     9.80     4.30     .065     .050     .065     .000  2434.60  9981.23
  .022499     170.     160.     130.       20       11        0      .00    38.79 10020.02


*SECNO 240.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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 :CNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES ARE 90% OF SUBWTRSHD 'B6'
  240.000     3.99  2454.49  2454.49      .00  2455.85     1.36     6.22      .00  2451.40
     688.     109.     569.      10.      24.      56.      4.       3.       1.   2451.40
      .05     4.47    10.11     2.85     .065     .045     .065     .000  2450.50  9978.96
  .017013     300.     320.     340.       20       14       0      .00    31.29 10010.26


*SECNO 320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  320.000     4.40  2469.70  2469.70      .00  2471.19     1.49     8.13      .00  2469.10
     688.       1.     687.       0.       1.      70.      0.       4.       2.   2469.10
      .06     1.62     9.81     1.37     .060     .045     .060     .000  2465.30  9986.43
  .022236     420.     420.     420.       20        8       0      .00    25.86 10012.29


  :O 440.000
  MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  440.000     5.15  2494.25  2494.25      .00  2495.93     1.68    12.15      .00  2491.10
     688.      52.     612.      24.      14.      56.      7.       5.       2.   2491.20
      .07     3.86    10.94     3.48     .065     .045     .065     .000  2489.10  9979.02
  .016876     650.     630.     610.       12        8       0      .00    25.54 10004.56


*SECNO 560.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  560.000     4.83  2517.23  2517.23      .00  2518.24     1.00    11.22      .00  2516.60
     688.     100.     587.       0.      25.      69.      0.       6.       2.   2516.90
      .10     4.00     8.54      .94     .065     .045     .065     .000  2512.40  9973.74
  .018821     630.     630.     630.       20       10       0      .00    44.25 10017.99


*SECNO 700.000
7185 MINIMUM SPECIFIC ENERGY
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3720 CRITICAL DEPTH ASSUMED

700.000	4.88	2542.98	2542.98	.00	2544.38	1.40	14.39	.00	2540.00
688.	59.	578.	51.	15.	57.	13.	8.	3.	2540.00
.12	3.82	10.22	3.79	.070	.050	.070	.000	2538.10	9985.42
.020114	740.	740.	740.	14	5	0	.00	33.73	10019.15

T1 FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2 50-YEAR FLOOD FREQUENCY MODEL
T3 COTTONWOOD WASH, TRIB. 1 (CWT1.DAT)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3			.021				2396.83	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							

```
 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*PROF 2

*SECNO 1030.000
        ******REVISED STREAMFLOWS FROM CVCRK43R.OUT***************
        COMMON STATION IS SEC.1.03 FROM COTTONWOOD WASH (CW.OUT)
        SECTION 000 = SECTION 1.08 OF COTTONWOOD WASH.
        QT VALUES ARE FROM SUBWTRSHD 'B6'
 1030.000     4.13  2396.83  2396.83  2396.83  2398.05     1.22      .00      .00  2394.00
    1187.      23.    1085.      79.       7.     118.      26.       0.       0.   2395.20
      .00     3.49     9.21     3.06     .070     .050     .070     .000  2392.70  9984.47
  .020821       0.       0.       0.        0        4        0      .00    70.67 10055.14


*SECNO 60.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     .000     5.74  2415.74  2415.74      .00  2417.49     1.75    12.07      .00  2411.50
    .187.     166.    1010.      11.      30.      89.       4.       2.       1.   2413.70
      .02     5.55    11.29     2.84     .070     .050     .070     .000  2410.00  9976.57
  .020637     620.     580.     560.       16       11        0      .00    36.68 10013.25


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     5.68  2431.08  2431.08      .00  2433.16     2.09    10.99      .00  2430.00
    1187.       1.    1184.       2.       1.     102.       1.       3.       1.   2430.00
      .03     2.00    11.61     2.20     .065     .050     .065     .000  2425.40  9985.49
  .025686     460.     480.     500.       19        5        0      .00    27.16 10012.65


*SECNO 180.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  180.000     6.90  2441.50  2441.50      .00  2443.07     1.57     3.88      .00  2438.70
    1187.     264.     841.      82.      42.      74.      15.       4.       1.   2438.80
      .03     6.22    11.29     5.52     .065     .050     .065     .000  2434.60  9979.01
  .022864     170.     160.     130.       20       11        0      .00    42.37 10021.39
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 :NO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 240.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES ARE 90% OF SUBWTRSHD 'B6'
  240.000     4.96  2455.46  2455.46      .00  2457.19     1.73     6.16      .00  2451.40
    1068.     219.     828.      21.      39.      71.      6.       4.       1.   2451.40
      .04     5.59    11.64     3.37     .065     .045     .065     .000  2450.50  9975.64
  .016477     300.     320.     340.       20       19        0      .00    35.36 10011.00


*SECNO 320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  320.000     5.49  2470.79  2470.79      .00  2472.65     1.85     7.36      .00  2469.10
    1068.      15.    1049.       4.       5.      95.      2.       5.       2.   2469.10
      .05     2.95    11.02     2.51     .060     .045     .060     .000  2465.30  9982.49
  .018659     420.     420.     420.       20        8        0      .00    31.07 10013.55


*SECNO 440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  440.000     6.44  2495.54  2495.54      .00  2497.55     2.01    10.64      .00  2491.10
    1068.     124.     885.      59.      27.      72.      14.       7.       2.   2491.20
      .07     4.62    12.32     4.19     .065     .045     .065     .000  2489.10  9975.53
  .015321     650.     630.     610.       20        8        0      .00    30.96 10006.48


*SECNO 560.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  560.000     5.60  2518.00  2518.00      .00  2519.27     1.27    10.41      .00  2516.60
    1068.     197.     861.       9.      41.      88.      5.       9.       3.   2516.90
      .09     4.84     9.80     2.04     .065     .045     .065     .000  2512.40  9964.34
  .017861     630.     630.     630.       20       16        0      .00    59.38 10023.71
```

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 700.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

700.000	5.92	2544.02	2544.02	.00	2545.72	1.70	13.60	.00	2540.00
1068.	127.	831.	111.	28.	72.	25.	11.	4.	2540.00
.11	4.53	11.60	4.50	.070	.050	.070	.000	2538.10	9981.82
.018907	740.	740.	740.	20	8	0	.00	40.51	10022.33

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   100-YEAR FLOOD FREQUENCY MODEL
T3   COTTONWOOD WASH, TRIB. 1 (CWT1.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             4                       .021                            2397.21

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    3                -1
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 3

*SECNO 1030.000
3720 CRITICAL DEPTH ASSUMED
        ******REVISED STREAMFLOWS FROM CVCRK43R.OUT***************
        COMMON STATION IS SEC.1.03 FROM COTTONWOOD WASH (CW.OUT)
        SECTION 000 = SECTION 1.08 OF COTTONWOOD WASH.
        QT VALUES ARE FROM SUBWTRSHD 'B6'
 1030.000     4.51  2397.21  2397.21  2397.21  2398.47     1.25      .00      .00  2394.00
    1410.      31.     1249.     130.       9.     132.      38.       0.       0.   2395.20
      .00     3.61      9.47     3.41     .070     .050     .070     .000  2392.70  9983.84
  .018901       0.        0.       0.        0        5        0      .00    78.79 10062.63


*SECNO 60.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
      .000     6.18  2416.18  2416.18      .00  2418.12     1.94    11.45      .00  2411.50
    1410.     216.     1175.      19.      36.      98.       6.       2.       1.   2413.70
      .01     6.04     11.96     3.23     .070     .050     .070     .000  2410.00  9975.79
  .020447     620.      580.     560.       17       11        0      .00    38.29 10014.08


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     6.24  2431.64  2431.64      .00  2433.90     2.26    10.52      .00  2430.00
    1410.       4.     1400.       6.       2.     116.       2.       4.       1.   2430.00
      .03     2.54     12.11     2.80     .065     .050     .065     .000  2425.40  9984.86
  .023670     460.      480.     500.       16        5        0      .00    28.76 10013.62


*SECNO 180.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  180.000     7.30  2441.90  2441.90      .00  2443.61     1.72     3.72      .00  2438.70
    1410.     341.      960.     109.      50.      81.      18.       4.       1.   2438.80
      .03     6.80     11.91     5.99     .065     .050     .065     .000  2434.60  9978.23
    2877     170.      160.     130.       20       11        0      .00    43.78 10022.01
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SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 240.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
QT VALUES ARE 90% OF SUBWTRSHD 'B6'

240.000	5.42	2455.92	2455.92	.00	2457.81	1.89	6.09	.00	2451.40
1269.	283.	958.	28.	47.	78.	8.	5.	2.	2451.40
.04	5.98	12.26	3.58	.065	.045	.065	.000	2450.50	9974.08
.016153	300.	320.	340.	20	19	0	.00	37.27	10011.35

*SECNO 320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

320.000	6.00	2471.30	2471.30	.00	2473.31	2.00	7.05	.00	2469.10
1269.	30.	1231.	8.	9.	107.	3.	6.	2.	2469.10
.05	3.40	11.52	2.90	.060	.045	.060	.000	2465.30	9980.64
.017459	420.	420.	420.	20	8	0	.00	33.50	10014.14

*SECNO 440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

440.000	7.01	2496.11	2496.11	.00	2498.26	2.15	10.14	.00	2491.10
1269.	168.	1020.	81.	34.	79.	18.	8.	2.	2491.20
.06	4.93	12.91	4.48	.065	.045	.065	.000	2489.10	9973.96
.014834	650.	630.	610.	20	8	0	.00	33.38	10007.34

*SECNO 560.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

560.000	5.94	2518.34	2518.34	.00	2519.72	1.38	10.15	.00	2516.60
1269.	255.	996.	19.	50.	96.	8.	10.	3.	2516.90
.08	5.04	10.34	2.42	.065	.045	.065	.000	2512.40	9959.10
.017558	630.	630.	630.	20	15	0	.00	67.15	10026.24

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 700.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

700.000	6.39	2544.49	2544.49	.00	2546.31	1.82	13.34	.00	2540.00
1269.	168.	955.	147.	35.	78.	31.	13.	4.	2540.00
.10	4.82	12.19	4.79	.070	.050	.070	.000	2538.10	9980.21
.018511	740.	740.	740.	20	8	0	.00	43.54	10023.75

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T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      500-YEAR FLOOD FREQUENCY MODEL
T3      COTTONWOOD WASH, TRIB. 1 (CWT1.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

                5                         .021                                2397.73

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    15                  -1
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4

*SECNO 1030.000
3720 CRITICAL DEPTH ASSUMED
        ******REVISED STREAMFLOWS FROM CVCRK43R.OUT***************
        COMMON STATION IS SEC.1.03 FROM COTTONWOOD WASH (CW.OUT)
        SECTION 000 = SECTION 1.08 OF COTTONWOOD WASH.
        QT VALUES ARE FROM SUBWTRSHD 'B6'
 1030.000     5.04  2397.74  2397.74  2397.73  2399.10     1.37      .00      .00  2394.00
    1804.      45.    1525.     234.      12.     151.      60.       0.       0.   2395.20
      .00     3.88    10.07     3.88     .070     .050     .070     .000  2392.70  9982.96
  .017777       0.       0.       0.        0        5        0      .00    91.67 10074.63


*SECNO 60.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   60.000     6.94  2416.94  2416.94      .00  2419.13     2.19    10.83      .00  2411.50
    1804.     311.    1456.      37.      47.     113.      10.       3.       1.   2413.70
      .01     6.67    12.84     3.76     .070     .050     .070     .000  2410.00  9974.46
  .019470     620.     580.     560.       20       11        0      .00    41.05 10015.51


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     7.10  2432.50  2432.50      .00  2435.09     2.59     9.90      .00  2430.00
    1804.      11.    1774.      19.       3.     136.       5.       4.       1.   2430.00
      .02     3.23    13.03     3.57     .065     .050     .065     .000  2425.40  9983.91
  .022023     460.     480.     500.       16        8        0      .00    31.18 10015.09


*SECNO 180.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 180.000     7.98  2442.58  2442.58      .00  2444.49     1.91     3.52      .00  2438.70
   1804.     485.     1158.     160.     64.      91.      24.      5.       1.   2438.80
     .03     7.57    12.70     6.59     .065     .050     .065     .000  2434.60  9976.88
 .022057     170.     160.     130.      20        8        0      .00    46.19 10023.07


*SECNO 240.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES ARE 90% OF SUBWTRSHD 'B6'
 240.000     6.15  2456.65  2456.65      .00  2458.79     2.14     5.88      .00  2451.40
   1624.     403.     1180.      41.     62.      89.      11.      6.       2.   2451.40
     .04     6.52    13.20     3.90     .065     .045     .065     .000  2450.50  9971.58
 .015651     300.     320.     340.      20       15        0      .00    40.33 10011.91


*SECNO 320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 320.000     6.81  2472.11  2472.11      .00  2474.34     2.24     6.66      .00  2469.10
   1624.      66.     1541.      18.     16.     125.       5.      8.       2.   2469.10
     .05     4.02    12.29     3.42     .060     .045     .060     .000  2465.30  9977.74
 .016070     420.     420.     420.      20        8        0      .00    37.33 10015.07


*SECNO 440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 440.000     7.99  2497.09  2497.09      .00  2499.36     2.27     9.28      .00  2491.10
   1624.     266.     1233.     125.     49.      91.      26.     10.       3.   2491.20
     .06     5.45    13.54     4.82     .065     .045     .065     .000  2489.10  9971.41
 .013490     650.     630.     610.      20       11        0      .00    37.39 10008.80


*SECNO 560.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
  560.000     6.63  2519.03  2519.03      .00  2520.39     1.35     8.81      .00  2516.60
    1624.     379.    1194.      51.      76.     114.      17.      13.       4.   2516.90
      .08     4.98    10.50     3.05     .065     .045     .065     .000  2512.40  9947.83
  .014514     630.     630.     630.       20       12        0      .00    82.32 10030.16


*SECNO 700.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  700.000     7.18  2545.28  2545.28      .00  2547.22     1.94    11.66      .00  2540.00
    1624.     249.    1153.     222.      48.      90.      42.      16.       5.   2540.00
      .10     5.17    12.84     5.25     .070     .050     .070     .000  2538.10  9977.48
  .017164     740.     740.     740.       20        8        0      .00    48.28 10025.76
```

THIS RUN EXECUTED 2/26/90 15:37:55

****

HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -

****

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

COTTONWOOD WASH, TRIB. 1

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	1030.000	2396.16	764.00	3.46	2.91	7.87	2.25	11.35	730.16	22.49	59.08	208.46	.00
	1030.000	2396.83	1187.00	4.13	3.49	9.21	3.06	23.31	1084.79	78.90	70.67	208.21	.00
*	1030.000	2397.21	1410.00	4.51	3.61	9.47	3.41	31.11	1249.32	129.57	78.79	189.01	.00
	1030.000	2397.74	1804.00	5.04	3.88	10.07	3.88	45.19	1525.26	233.55	91.67	177.77	.00
*	60.000	2414.73	764.00	4.73	4.27	9.89	1.88	76.74	685.36	1.89	33.01	222.48	18.57
*	60.000	2415.74	1187.00	5.74	5.55	11.29	2.84	166.26	1009.57	11.17	36.68	206.37	18.91
*	60.000	2416.18	1410.00	6.18	6.04	11.96	3.23	216.17	1175.10	18.73	38.29	204.47	18.97
*	60.000	2416.94	1804.00	6.94	6.67	12.84	3.76	310.89	1455.93	37.17	41.05	194.70	19.20
*	150.000	2429.99	764.00	4.59	.00	10.08	.00	.00	764.00	.00	24.07	287.70	15.26
*	150.000	2431.08	1187.00	5.68	2.00	11.61	2.20	1.30	1183.50	2.20	27.16	256.86	15.34
*	150.000	2431.64	1410.00	6.24	2.54	12.11	2.80	3.83	1399.69	6.48	28.76	236.70	15.46
*	150.000	2432.50	1804.00	7.10	3.23	13.03	3.57	11.26	1773.66	19.08	31.18	220.23	15.56
*	180.000	2440.62	764.00	6.02	4.87	9.80	4.30	130.22	596.92	36.86	38.79	224.99	10.63
*	180.000	2441.50	1187.00	6.90	6.22	11.29	5.52	263.99	840.90	82.12	42.37	228.64	10.42
*	180.000	2441.90	1410.00	7.30	6.80	11.91	5.99	340.97	960.44	108.59	43.78	228.77	10.25
*	180.000	2442.58	1804.00	7.98	7.57	12.70	6.59	485.35	1158.43	160.22	46.19	220.57	10.08
*	240.000	2454.49	688.00	3.99	4.47	10.11	2.85	108.71	568.90	10.38	31.29	170.13	13.86
*	240.000	2455.46	1068.00	4.96	5.59	11.64	3.37	218.98	827.81	21.21	35.36	164.77	13.96
*	240.000	2455.92	1269.00	5.42	5.98	12.26	3.58	282.90	958.19	27.91	37.27	161.53	14.02
*	240.000	2456.65	1624.00	6.15	6.52	13.20	3.90	403.10	1179.84	41.06	40.33	156.51	14.07
*	320.000	2469.70	688.00	4.40	1.62	9.81	1.37	1.05	686.66	.29	25.86	222.36	15.21
*	320.000	2470.79	1068.00	5.49	2.95	11.02	2.51	15.28	1048.57	4.15	31.07	186.59	15.33
*	320.000	2471.30	1269.00	6.00	3.40	11.52	2.90	29.83	1231.07	8.10	33.50	174.59	15.39
*	320.000	2472.11	1624.00	6.81	4.02	12.29	3.42	65.58	1540.61	17.81	37.33	160.70	15.46
*	440.000	2494.25	688.00	5.15	3.86	10.94	3.48	52.18	611.58	24.25	25.54	168.76	24.55
*	440.000	2495.54	1068.00	6.44	4.62	12.32	4.19	123.73	885.29	58.97	30.96	153.21	24.75
*	440.000	2496.11	1269.00	7.01	4.93	12.91	4.48	168.41	1019.74	80.84	33.38	148.34	24.81
*	440.000	2497.09	1624.00	7.99	5.45	13.54	4.82	265.76	1233.28	124.95	37.39	134.90	24.98

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	560.000	2517.23	688.00	4.83	4.00	8.54	.94	100.26	587.35	.39	44.25	188.21	22.98
*	560.000	2518.00	1068.00	5.60	4.84	9.80	2.04	197.36	861.45	9.19	59.38	178.61	22.46
*	560.000	2518.34	1269.00	5.94	5.04	10.34	2.42	254.60	995.73	18.67	67.15	175.58	22.22
*	560.000	2519.03	1624.00	6.63	4.98	10.50	3.05	378.82	1193.71	51.47	82.32	145.14	21.94
*	700.000	2542.98	688.00	4.88	3.82	10.22	3.79	58.50	578.34	51.16	33.73	201.14	25.75
*	700.000	2544.02	1068.00	5.92	4.53	11.60	4.50	126.52	830.85	110.63	40.51	189.07	26.03
*	700.000	2544.49	1269.00	6.39	4.82	12.19	4.79	167.72	954.61	146.67	43.54	185.11	26.15
*	700.000	2545.28	1624.00	7.18	5.17	12.84	5.25	248.95	1152.65	222.40	48.28	171.64	26.25

WOOD WASH, TRIB. 1

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	1030.000	.00	.00	.00	2392.70	764.00	2396.16	2396.07	2397.08	208.46	7.87	106.74	52.92
	1030.000	.00	.00	.00	2392.70	1187.00	2396.83	2396.83	2398.05	208.21	9.21	150.21	82.26
*	1030.000	.00	.00	.00	2392.70	1410.00	2397.21	2397.21	2398.47	189.01	9.47	178.58	102.56
*	1030.000	.00	.00	.00	2392.70	1804.00	2397.74	2397.74	2399.10	177.77	10.07	223.36	135.30
*	60.000	580.00	.00	.00	2410.00	764.00	2414.73	2414.73	2416.12	222.48	9.89	88.28	51.22
*	60.000	580.00	.00	.00	2410.00	1187.00	2415.74	2415.74	2417.49	206.37	11.29	123.35	82.63
*	60.000	580.00	.00	.00	2410.00	1410.00	2416.18	2416.18	2418.12	204.47	11.96	139.85	98.61
*	60.000	580.00	.00	.00	2410.00	1804.00	2416.94	2416.94	2419.13	194.70	12.84	169.86	129.29
*	150.000	480.00	.00	.00	2425.40	764.00	2429.99	2429.99	2431.57	287.70	10.08	75.76	45.04
*	150.000	480.00	.00	.00	2425.40	1187.00	2431.08	2431.08	2433.16	256.86	11.61	103.62	74.06
*	150.000	480.00	.00	.00	2425.40	1410.00	2431.64	2431.64	2433.90	236.70	12.11	119.40	91.65
*	150.000	480.00	.00	.00	2425.40	1804.00	2432.50	2432.50	2435.09	220.23	13.03	144.96	121.56
*	180.000	160.00	.00	.00	2434.60	764.00	2440.62	2440.62	2441.87	224.99	9.80	96.21	50.93
*	180.000	160.00	.00	.00	2434.60	1187.00	2441.50	2441.50	2443.07	228.64	11.29	131.78	78.50
*	180.000	160.00	.00	.00	2434.60	1410.00	2441.90	2441.90	2443.61	228.77	11.91	148.92	93.22
	180.000	160.00	.00	.00	2434.60	1804.00	2442.58	2442.58	2444.49	220.57	12.70	179.66	121.47
*	240.000	320.00	.00	.00	2450.50	688.00	2454.49	2454.49	2455.85	170.13	10.11	84.20	52.75
*	240.000	320.00	.00	.00	2450.50	1068.00	2455.46	2455.46	2457.19	164.77	11.64	116.60	83.20
*	240.000	320.00	.00	.00	2450.50	1269.00	2455.92	2455.92	2457.81	161.53	12.26	133.19	99.85
*	240.000	320.00	.00	.00	2450.50	1624.00	2456.65	2456.65	2458.79	156.51	13.20	161.67	129.81
*	320.000	420.00	.00	.00	2465.30	688.00	2469.70	2469.70	2471.19	222.36	9.81	70.88	46.14
*	320.000	420.00	.00	.00	2465.30	1068.00	2470.79	2470.79	2472.65	186.59	11.02	101.97	78.19
*	320.000	420.00	.00	.00	2465.30	1269.00	2471.30	2471.30	2473.31	174.59	11.52	118.42	96.04
*	320.000	420.00	.00	.00	2465.30	1624.00	2472.11	2472.11	2474.34	160.70	12.29	146.87	128.11
*	440.000	630.00	.00	.00	2489.10	688.00	2494.25	2494.25	2495.93	168.76	10.94	76.40	52.96
*	440.000	630.00	.00	.00	2489.10	1068.00	2495.54	2495.54	2497.55	153.21	12.32	112.72	86.28
*	440.000	630.00	.00	.00	2489.10	1269.00	2496.11	2496.11	2498.26	148.34	12.91	131.20	104.19
*	440.000	630.00	.00	.00	2489.10	1624.00	2497.09	2497.09	2499.36	134.90	13.54	165.76	139.82
*	560.000	630.00	.00	.00	2512.40	688.00	2517.23	2517.23	2518.24	188.21	8.54	94.21	50.15
*	560.000	630.00	.00	.00	2512.40	1068.00	2518.00	2518.00	2519.27	178.61	9.80	133.12	79.91
*	560.000	630.00	.00	.00	2512.40	1269.00	2518.34	2518.34	2519.72	175.58	10.34	154.56	95.77
*	560.000	630.00	.00	.00	2512.40	1624.00	2519.03	2519.03	2520.39	145.14	10.50	206.70	134.80
*	700.000	740.00	.00	.00	2538.10	688.00	2542.98	2542.98	2544.38	201.14	10.22	85.36	48.51
*	700.000	740.00	.00	.00	2538.10	1068.00	2544.02	2544.02	2545.72	189.07	11.60	124.17	77.67
*	700.000	740.00	.00	.00	2538.10	1269.00	2544.49	2544.49	2546.31	185.11	12.19	143.78	93.27
*	700.000	740.00	.00	.00	2538.10	1624.00	2545.28	2545.28	2547.22	171.64	12.84	180.22	123.96

NWOOD WASH, TRIB. 1

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1030.000	764.00	2396.16	.00	.00	.00	59.08	.00
	1030.000	1187.00	2396.83	.67	.00	.00	70.67	.00
*	1030.000	1410.00	2397.21	.38	.00	.00	78.79	.00
*	1030.000	1804.00	2397.74	.53	.00	.01	91.67	.00
*	60.000	764.00	2414.73	.00	18.57	.00	33.01	580.00
*	60.000	1187.00	2415.74	1.01	18.91	.00	36.68	580.00
*	60.000	1410.00	2416.18	.44	18.97	.00	38.29	580.00
*	60.000	1804.00	2416.94	.76	19.20	.00	41.05	580.00
*	150.000	764.00	2429.99	.00	15.26	.00	24.07	480.00
*	150.000	1187.00	2431.08	1.09	15.34	.00	27.16	480.00
*	150.000	1410.00	2431.64	.56	15.46	.00	28.76	480.00
*	150.000	1804.00	2432.50	.85	15.56	.00	31.18	480.00
*	180.000	764.00	2440.62	.00	10.63	.00	38.79	160.00
*	180.000	1187.00	2441.50	.87	10.42	.00	42.37	160.00
*	180.000	1410.00	2441.90	.40	10.25	.00	43.78	160.00
	180.000	1804.00	2442.58	.68	10.08	.00	46.19	160.00
*	240.000	688.00	2454.49	.00	13.86	.00	31.29	320.00
*	240.000	1068.00	2455.46	.97	13.96	.00	35.36	320.00
*	240.000	1269.00	2455.92	.46	14.02	.00	37.27	320.00
*	240.000	1624.00	2456.65	.73	14.07	.00	40.33	320.00
*	320.000	688.00	2469.70	.00	15.21	.00	25.86	420.00
*	320.000	1068.00	2470.79	1.09	15.33	.00	31.07	420.00
*	320.000	1269.00	2471.30	.51	15.39	.00	33.50	420.00
*	320.000	1624.00	2472.11	.80	15.46	.00	37.33	420.00
*	440.000	688.00	2494.25	.00	24.55	.00	25.54	630.00
*	440.000	1068.00	2495.54	1.29	24.75	.00	30.96	630.00
*	440.000	1269.00	2496.11	.57	24.81	.00	33.38	630.00
*	440.000	1624.00	2497.09	.98	24.98	.00	37.39	630.00
*	560.000	688.00	2517.23	.00	22.98	.00	44.25	630.00
*	560.000	1068.00	2518.00	.77	22.46	.00	59.38	630.00
*	560.000	1269.00	2518.34	.34	22.22	.00	67.15	630.00
*	560.000	1624.00	2519.03	.70	21.94	.00	82.32	630.00
*	700.000	688.00	2542.98	.00	25.75	.00	33.73	740.00
*	700.000	1068.00	2544.02	1.05	26.03	.00	40.51	740.00
*	700.000	1269.00	2544.49	.47	26.15	.00	43.54	740.00
*	700.000	1624.00	2545.28	.79	26.25	.00	48.28	740.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   1030.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1030.000  PROFILE=  4  CRITICAL DEPTH ASSUMED

CAUTION SECNO=     60.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     60.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     60.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     60.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     60.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     60.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     60.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     60.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     60.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    150.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    180.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    180.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    180.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    180.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    180.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    180.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    180.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    180.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    180.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    180.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    180.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    180.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    240.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    240.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    240.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    240.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    240.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    240.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    240.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    240.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    240.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    240.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    240.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    240.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=    320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    320.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    320.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    440.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    440.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    440.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    560.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    560.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    560.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    560.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    700.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    700.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    700.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    700.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    700.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    700.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    700.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

Stop - Program terminated.

Stop - Program terminated.
```

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*   DATED:  SEPTEMBER 1989                          *
*  RUN DATE     3/23/90    TIME    13:29:47         *
*****************************************************
```

```
****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*            (916) 756-1104
****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 3/23/90 13:29:48

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1        FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
T2        100-YEAR FLOOD FREQUENCY MODEL (NATURAL CONDITIONS)
T3        COTTONWOOD TRIB. 1     (CWT1.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

               2                                                          2397.21

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                 -1


    ARIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26         8        42        39         1        34         4        53
    21        22        54         0        38        43         1        50        51        27
    21        22        28         5         3        61       200

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10       -10

QT       2      1410      1410
NC     .07       .07       .05
ET                         9.1                                                          9989.2     10026.4
         THIS FLOODWAY MODEL IS BASED ON A PREVIOUS MODEL OF NATURAL CONDITIONS
         REFER TO FILE CWT1.OUT (CH2M HILL, 1990)

X1    1030        17    9989.2   10026.4
GR  2412.8    9888.8    2413.2    9928.8    2411.4    9951.0    2404.9    9971.0    2394.0    9989.2
GR  2392.7   10000.0    2393.4   10010.7    2395.2   10026.4    2395.4   10032.8    2397.0   10057.8
GR  2398.3   10087.5    2401.4   10114.0    2402.3   10145.0    2405.9   10179.8    2409.6   10205.2
GR  2420.4   10233.0    2429.2   10259.8

ET                         9.1                                                          9975.9     10014.0
X1      60         9    9989.4   10009.4       620       560       580
GR  2432.2    9937.8    2421.4    9966.6    2414.7    9978.4    2411.5    9989.4    2410.0   10000.0
GR  2413.7   10009.4    2417.3   10016.2    2427.2   10035.2    2429.5   10042.0
```

NC	.065	.065	.05							
ET			9.1						9984.9	10013.5
X1	150	9	9986.7	10010.8	460	500	480			
X4	2	2430.0	9986.7	2430.0	10010.8					
GR	2456.0	9952.8	2448.3	9964.6	2434.2	9982.0	2425.4	9991.8	2425.5	10000.0
GR	2428.3	10007.9	2433.9	10017.5	2439.5	10038.7	2440.6	10039.0		
ET			9.1						9978.3	10021.9
X1	180	10	9998.0	10013.5	170	130	160			
GR	2459.8	9928.9	2451.9	9958.5	2441.1	9979.8	2438.7	9987.0	2438.7	9998.0
GR	2434.6	10000.0	2438.8	10013.5	2439.2	10017.8	2445.8	10028.1	2458.8	10044.9
QT	2	1269	1269							
NC	.065	.065	.045							
ET			9.1						9974.2	10011.2
X1	240	11	9992.6	10007.9	300	340	320			
X4	1	2451.4	10007.9							
GR	2475.7	9915.8	2466.6	9944.8	2460.1	9959.8	2454.3	9979.6	2453.8	9979.8
GR	2451.4	9992.6	2450.5	10000.0	2450.8	10007.4	2456.9	10012.1	2471.8	10031.0
GR	2474.9	10043.8								
NC	.06	.06	.045							
ET			9.1						9980.7	10014.0
X1	320	8	9988.6	10011.6	420	420	420			
	1	2469.1	10011.6							
	2485.5	9942.5	2477.1	9959.7	2469.1	9988.6	2465.3	10000.0	2465.6	10007.5
GR	2473.0	10016.1	2482.7	10037.2	2485.6	10038.8				
NC	.065	.065	.045							
ET			9.1						9974.0	10007.2
X1	440	11	9987.6	10000.0	650	610	630			
GR	2509.7	9938.2	2500.9	9962.3	2496.8	9972.1	2491.1	9987.6	2489.1	9993.6
GR	2489.3	9998.7	2491.2	10000.0	2499.1	10011.8	2506.9	10022.2	2519.8	10052.1
GR	2522.3	10058.2								
ET			9.1						9959.2	10026.1
X1	560	15	9990.5	10015.5	630	630	630			
GR	2534.8	9851.2	2531.4	9882.7	2525.3	9917.2	2523.1	9933.1	2519.3	9942.7
GR	2518.9	9950.4	2517.4	9973.6	2514.8	9975.8	2516.6	9990.5	2512.4	10000.0
GR	2514.4	10008.1	2516.9	10015.5	2518.8	10029.7	2533.4	10058.4	2538.2	10065.4
NC	.07	.07	.05							
ET			9.1						9980.3	10023.6
X1	700	10	9995.7	10010.1	740	740	740			
GR	2578.9	9924.7	2558.7	9958.6	2549.4	9964.9	2546.0	9975.0	2540.0	9995.7
GR	2538.1	10000.0	2540.0	10010.1	2545.1	10025.6	2549.1	10029.1	2558.7	10054.0

```
     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - RDD27815.H2
T2   100-YEAR FLOOD FREQUENCY MODEL (ENCROACHMENT CONDITIONS)
T3   COTTONWOOD TRIB. 1      (CWT1.MCE)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             3                                                    2397.21

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    15               -1
```

THIS RUN EXECUTED 3/23/90 13:30: 7

****

HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -

****

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

COTTONWOOD TRIB. 1

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	1030.000	1410.00	9.47	4.51	2392.70	.00	2397.21	102.56	78.79	9983.84	9989.20	10026.40	10062.63
	1030.000	1410.00	10.69	4.51	2392.70	.00	2397.21	83.23	37.20	9989.20	9989.20	10026.40	10026.40
	60.000	1410.00	11.96	6.18	2410.00	580.00	2416.18	98.61	38.29	9975.79	9989.40	10009.40	10014.08
	60.000	1410.00	11.93	6.19	2410.00	580.00	2416.19	98.97	38.10	9975.90	9989.40	10009.40	10014.00
*	150.000	1410.00	12.11	6.24	2425.40	480.00	2431.64	91.65	28.76	9984.86	9986.70	10010.80	10013.62
*	150.000	1410.00	12.10	6.25	2425.40	480.00	2431.65	91.82	28.60	9984.90	9986.70	10010.80	10013.50
*	180.000	1410.00	11.91	7.30	2434.60	160.00	2441.90	93.22	43.78	9978.23	9998.00	10013.50	10022.01
*	180.000	1410.00	11.91	7.30	2434.60	160.00	2441.90	93.23	43.60	9978.30	9998.00	10013.50	10021.90
*	240.000	1269.00	12.26	5.42	2450.50	320.00	2455.92	99.85	37.27	9974.08	9992.60	10007.90	10011.35
*	240.000	1269.00	12.24	5.42	2450.50	320.00	2455.92	100.18	37.00	9974.20	9992.60	10007.90	10011.20
*	320.000	1269.00	11.52	6.00	2465.30	420.00	2471.30	96.04	33.50	9980.64	9988.60	10011.60	10014.14
*	320.000	1269.00	11.41	6.04	2465.30	420.00	2471.34	97.54	33.30	9980.70	9988.60	10011.60	10014.00
*	440.000	1269.00	12.91	7.01	2489.10	630.00	2496.11	104.19	33.38	9973.96	9987.60	10000.00	10007.34
*	440.000	1269.00	12.71	7.08	2489.10	630.00	2496.18	106.55	33.20	9974.00	9987.60	10000.00	10007.20
*	560.000	1269.00	10.34	5.94	2512.40	630.00	2518.34	95.77	67.15	9959.10	9990.50	10015.50	10026.24
*	560.000	1269.00	10.06	6.01	2512.40	630.00	2518.41	99.70	66.90	9959.20	9990.50	10015.50	10026.10
*	700.000	1269.00	12.19	6.39	2538.10	740.00	2544.49	93.27	43.54	9980.21	9995.70	10010.10	10023.75
*	700.000	1269.00	11.88	6.48	2538.10	740.00	2544.58	96.69	43.30	9980.30	9995.70	10010.10	10023.60

TONWOOD TRIB. 1

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	1030.000	1410.00	2397.21	.00	.00	.00	9989.20	10026.40	.00	189.01	2398.47	.00
	1030.000	1410.00	2397.21	-.00	.00	9989.20	9989.20	10026.40	10026.40	286.97	2398.98	.52
*	60.000	1410.00	2416.18	.00	18.97	.00	9989.40	10009.40	.00	204.47	2418.12	.00
*	60.000	1410.00	2416.19	.01	18.98	9975.90	9989.40	10009.40	10014.00	202.96	2418.12	.00
*	150.000	1410.00	2431.64	.00	15.46	.00	9986.70	10010.80	.00	236.70	2433.90	.00
*	150.000	1410.00	2431.65	.01	15.46	9984.90	9986.70	10010.80	10013.50	235.81	2433.90	.00
*	180.000	1410.00	2441.90	.00	10.25	.00	9998.00	10013.50	.00	228.77	2443.61	.00
*	180.000	1410.00	2441.90	.00	10.25	9978.30	9998.00	10013.50	10021.90	228.72	2443.61	.00
*	240.000	1269.00	2455.92	.00	14.02	.00	9992.60	10007.90	.00	161.53	2457.81	.00
*	240.000	1269.00	2455.92	.01	14.03	9974.20	9992.60	10007.90	10011.20	160.47	2457.81	.00
*	320.000	1269.00	2471.30	.00	15.39	.00	9988.60	10011.60	.00	174.59	2473.31	.00
*	320.000	1269.00	2471.34	.04	15.42	9980.70	9988.60	10011.60	10014.00	169.25	2473.30	-.00
	440.000	1269.00	2496.11	.00	24.81	.00	9987.60	10000.00	.00	148.34	2498.26	.00
	440.000	1269.00	2496.18	.07	24.84	9974.00	9987.60	10000.00	10007.20	141.85	2498.26	-.01
*	560.000	1269.00	2518.34	.00	22.22	.00	9990.50	10015.50	.00	175.58	2519.72	.00
*	560.000	1269.00	2518.41	.08	22.23	9959.20	9990.50	10015.50	10026.10	162.01	2519.72	-.00
*	700.000	1269.00	2544.49	.00	26.15	.00	9995.70	10010.10	.00	185.11	2546.31	.00
*	700.000	1269.00	2544.58	.09	26.16	9980.30	9995.70	10010.10	10023.60	172.26	2546.30	-.01

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   1030.000  PROFILE=  1  CRITICAL DEPTH ASSUMED

CAUTION SECNO=     60.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     60.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    150.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    320.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    320.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    440.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    440.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    440.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    440.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    560.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    560.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    560.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    700.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    700.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    700.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
```

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 .ON SECNO=    700.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

FLOODWAY DATA, COTTONWOOD TRIB. 1
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
1030.000	37.	132.	10.7	2397.2	2397.2	.0
60.000	38.	140.	10.1	2416.2	2416.2	.0
150.000	29.	120.	11.8	2431.6	2431.6	.0
180.000	44.	149.	9.5	2441.9	2441.9	.0
240.000	37.	133.	9.5	2455.9	2455.9	.0
320.000	33.	120.	10.6	2471.3	2471.3	.0
440.000	33.	133.	9.5	2496.2	2496.1	.1
560.000	67.	160.	7.9	2518.4	2518.3	.1
700.000	43.	148.	8.6	2544.6	2544.5	.1

```
*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     2/26/90   TIME   15:38:16           *
*****************************************************
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*           (916) 756-1104
****************************************
```

CWT2.OUT
100 YR CWSEL 2-27-90
D.E.S.

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX              XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 2/26/90 15:38:16

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************



T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY (LA027815.H2)
T2      10-YEAR FLOOD FREQUENCY MODEL
T3      COTTONWOOD WASH, TRIB. 2  (CWT2.DAT)


J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              2                          .03                                2437.32

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    1                 -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38       1       43       8       55       26       56       13       14       15
     4       5       51
   150



QT       4       76      119      141      180

NC     .07      .07      .05

       *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*************
        COMMON SECTION IS COTTONWOOD WASH, TRIB 1, SEC. 0.18.
        SECTION 000 = SECTION 0.22 OF COTTONWOOD WASH TRIB. 1
        QT VALUES ARE 10% OF SUBWTRSHD 'B6'.
X1     180       10    9998.0   10013.5
GR  2459.8    9928.9   2451.9    9958.5   2441.1    9979.8   2438.7    9987.0   2438.7    9998.0
GR  2434.6   10000.0   2438.8   10013.5   2439.2   10017.8   2445.8   10028.1   2458.8   10044.9


X1      20        9    9992.8   10007.6      320       320       320
GR  2470.3    9941.1   2459.9    9980.0   2457.5    9983.5   2452.7    9992.8   2450.4    9997.9
GR  2450.4   10000.0   2454.9   10007.6   2469.2   10033.6   2477.0   10048.8
```

X1	100	10	9985.9	10010.9	420	420	420			
GR	2504.0	9922.4	2494.8	9967.8	2489.2	9980.8	2481.1	9985.9	2476.2	9998.1
GR	2475.6	10000.0	2480.5	10010.9	2487.3	10022.4	2492.9	10051.0	2500.7	10072.4
NC	.06	.06	.05							
X1	150	9	9996.1	10013.0	270	250	260			
GR	2513.1	9902.8	2503.5	9936.9	2495.5	9959.9	2492.9	9966.9	2491.5	9996.1
GR	2489.1	10000.0	2495.6	10013.0	2510.0	10043.1	2510.2	10054.1		
X1	220	5	10000.0	10013.0	360	380	370			
GR	2521.1	9964.2	2508.9	9987.6	2505.4	10000.0	2505.7	10013.0	2511.8	10022.4

```
 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*PROF 1

*SECNO 180.000
       *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*************
        COMMON SECTION IS COTTONWOOD WASH, TRIB 1, SEC. 0.18.
        SECTION 000 = SECTION 0.22 OF COTTONWOOD WASH TRIB. 1
        QT VALUES ARE 10% OF SUBWTRSHD 'B6'.
 180.000     2.72  2437.32      .00  2437.32  2437.80      .48      .00      .00  2438.70
    76.       0.      76.       0.       0.      14.       0.       0.       0.   2438.80
    .00      .00     5.55      .00     .000     .050     .000     .000  2434.60  9998.67
 .029825      0.       0.       0.        0        0        0      .00    10.07 10008.74


*SECNO 20.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  20.000     2.00  2452.40  2452.40      .00  2453.02      .62    10.96      .00  2452.70
    76.       0.      76.       0.       0.      12.       0.       0.       0.   2454.90
    .01      .00     6.32      .00     .000     .050     .000     .000  2450.40  9993.46
   9717     320.     320.     320.        3       19        0      .00     9.92 10003.38


*SECNO 100.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 100.000     2.22  2477.82  2477.82      .00  2478.40      .58    16.59      .00  2481.10
    76.       0.      76.       0.       0.      12.       0.       0.       0.   2480.50
    .03      .00     6.11      .00     .000     .050     .000     .000  2475.60  9994.06
 .039285     420.     420.     420.        5        8        0      .00    10.89 10004.95


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 150.000     2.59  2491.69  2491.69      .00  2492.29      .60     9.75      .00  2491.50
    76.       0.      76.       0.       0.      12.       0.       0.       0.   2495.60
    .04      .97     6.24      .00     .060     .050     .000     .000  2489.10  9992.15
 .035795     270.     260.     250.       10       11        0      .00    13.02 10005.18


*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
```

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
220.000	1.10	2506.50	2506.50	.00	2506.94	.44	13.35	.00	2505.40
76.	7.	68.	1.	2.	12.	0.	0.	0.	2505.70
.06	3.10	5.50	2.29	.060	.050	.060	.000	2505.40	9996.09
.036464	360.	370.	380.	4	18	0	.00	18.15	10014.24

```
      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2    50-YEAR FLOOD FREQUENCY MODEL
T3    COTTONWOOD WASH, TRIB. 2 (CWT2.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             3                       .030                            2437.82

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    2                -1
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
          QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME    VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 2

*SECNO 180.000
        *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*************
         COMMON SECTION IS COTTONWOOD WASH, TRIB 1, SEC. 0.18.
         SECTION 000 = SECTION 0.22 OF COTTONWOOD WASH TRIB. 1
         QT VALUES ARE 10% OF SUBWTRSHD 'B6'.
  180.000     3.22  2437.82      .00  2437.82  2438.42      .60      .00      .00  2438.70
     119.       0.     119.       0.       0.      19.       0.       0.       0.   2438.80
      .00      .00     6.20      .00     .000     .050     .000     .000  2434.60  9998.43
  .029740       0.       0.       0.        0        0        0      .00    11.92 10010.35


*SECNO 20.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   20.000     2.45  2452.85  2452.85      .00  2453.62      .77    10.67      .00  2452.70
     119.       0.     119.       0.       0.      17.       0.       0.       0.   2454.90
      .01      .04     7.04      .00     .070     .050     .000     .000  2450.40  9992.50
    7629      320.     320.     320.        9       15        0      .00    11.65 10004.15


*SECNO 100.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  100.000     2.67  2478.27  2478.27      .00  2478.97      .70    15.71      .00  2481.10
     119.       0.     119.       0.       0.      18.       0.       0.       0.   2480.50
      .03      .00     6.70      .00     .000     .050     .000     .000  2475.60  9992.95
  .037204      420.     420.     420.        2        8        0      .00    12.99 10005.94


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     3.16  2492.26  2492.26      .00  2492.78      .52     7.70      .00  2491.50
     119.      12.     107.       0.       6.      18.       0.       0.       0.   2495.60
      .04     2.01     6.07      .00     .060     .050     .000     .000  2489.10  9980.29
  .024062      270.     260.     250.       11        8        0      .00    26.02 10006.32


*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
```

CNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
220.000	1.42	2506.82	2506.82	.00	2507.38	.56	10.33	.00	2505.40
119.	12.	104.	3.	4.	16.	1.	1.	1.	2505.70
.06	3.48	6.32	2.71	.060	.050	.060	.000	2505.40	9994.98
.032963	360.	370.	380.	4	14	0	.00	19.74	10014.72

```
      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
      100-YEAR FLOOD FREQUENCY MODEL
T3    COTTONWOOD WASH, TRIB. 2 (CWT2.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             4                       .030                            2438.03

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    3                -1
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 3

*SECNO 180.000

*****REVISED STREAMFLOWS FROM CVCRK43R.OUT*************
COMMON SECTION IS COTTONWOOD WASH, TRIB 1, SEC. 0.18.
SECTION 000 = SECTION 0.22 OF COTTONWOOD WASH TRIB. 1
QT VALUES ARE 10% OF SUBWTRSHD 'B6'.

180.000	3.43	2438.03	.00	2438.03	2438.68	.65	.00	.00	2438.70
141.	0.	141.	0.	0.	22.	0.	0.	0.	2438.80
.00	.00	6.47	.00	.000	.050	.000	.000	2434.60	9998.33
.029804	0.	0.	0.	0	0	0	.00	12.70	10011.03

*SECNO 20.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	2.66	2453.06	2453.06	.00	2453.89	.83	10.40	.00	2452.70
141.	0.	141.	0.	0.	19.	0.	0.	0.	2454.90
.01	1.18	7.32	.00	.070	.050	.000	.000	2450.40	9992.10
5600	320.	320.	320.	4	15	0	.00	12.39	10004.49

*SECNO 100.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

100.000	2.86	2478.46	2478.46	.00	2479.21	.75	15.13	.00	2481.10
141.	0.	141.	0.	0.	20.	0.	0.	0.	2480.50
.03	.00	6.94	.00	.000	.050	.000	.000	2475.60	9992.47
.036453	420.	420.	420.	9	8	0	.00	13.89	10006.36

*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

150.000	3.33	2492.43	2492.43	.00	2492.96	.52	7.44	.00	2491.50
141.	21.	120.	0.	9.	19.	0.	0.	0.	2495.60
.04	2.26	6.20	.00	.060	.050	.000	.000	2489.10	9976.61
.022931	270.	260.	250.	11	8	0	.00	30.06	10006.67

*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
220.000	1.56	2506.96	2506.96	.00	2507.58	.62	9.87	.00	2505.40
141.	16.	122.	4.	4.	18.	1.	1.	1.	2505.70
.06	3.64	6.65	2.88	.060	.050	.060	.000	2505.40	9994.47
.031640	360.	370.	380.	4	14	0	.00	20.47	10014.94

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T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
        500-YEAR FLOOD FREQUENCY MODEL
T3      COTTONWOOD WASH, TRIB. 2 (CWT2.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              5                         .030                                2438.36

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    15                 -1
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4

*SECNO 180.000
        *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*************
         COMMON SECTION IS COTTONWOOD WASH, TRIB 1, SEC. 0.18.
         SECTION 000 = SECTION 0.22 OF COTTONWOOD WASH TRIB. 1
         QT VALUES ARE 10% OF SUBWTRSHD 'B6'.
  180.000     3.76  2438.36      .00  2438.36  2439.09      .73      .00      .00  2438.70
     180.       0.     180.       0.       0.      26.       0.       0.       0.   2438.80
      .00      .00     6.88      .00     .000     .050     .000     .000  2434.60   9998.17
  .029757       0.       0.       0.        0        0        0      .00    13.92 10012.09


*SECNO 20.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   20.000     2.98  2453.38  2453.38      .00  2454.31      .93    10.10      .00  2452.70
     180.       1.     179.       0.       0.      23.       0.       0.       0.   2454.90
      .01     1.75     7.77      .00     .070     .050     .000     .000  2450.40   9991.48
     3541     320.     320.     320.        9       15        0      .00    13.55 10005.03


*SECNO 100.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  100.000     3.16  2478.76  2478.76      .00  2479.58      .83    14.49      .00  2481.10
     180.       0.     180.       0.       0.      25.       0.       0.       0.   2480.50
      .03      .00     7.30      .00     .000     .050     .000     .000  2475.60   9991.73
  .035491     420.     420.     420.       11        8        0      .00    15.29 10007.02


*SECNO 150.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     3.57  2492.67  2492.67      .00  2493.21      .55     7.34      .00  2491.50
     180.      37.     143.       0.      14.      22.       0.       1.       0.   2495.60
      .04     2.61     6.52      .00     .060     .050     .000     .000  2489.10   9971.77
  .022820     270.     260.     250.       12        8        0      .00    35.36 10007.13


*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
220.000	1.80	2507.20	2507.20	.00	2507.90	.70	9.54	.00	2505.40
180.	22.	153.	5.	6.	21.	2.	1.	1.	2505.70
.06	3.87	7.13	3.12	.060	.050	.060	.000	2505.40	9993.64
.029613	360.	370.	380.	3	8	0	.00	21.67	10015.30

THIS RUN EXECUTED 2/26/90 15:38:29

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

COTTONWOOD WASH, TRIB. 2

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	180.000	2437.32	76.00	2.72	.00	5.55	.00	.00	76.00	.00	10.07	298.25	.00
	180.000	2437.82	119.00	3.22	.00	6.20	.00	.00	119.00	.00	11.92	297.40	.00
	180.000	2438.03	141.00	3.43	.00	6.47	.00	.00	141.00	.00	12.70	298.04	.00
	180.000	2438.36	180.00	3.76	.00	6.88	.00	.00	180.00	.00	13.92	297.57	.00
*	20.000	2452.40	76.00	2.00	.00	6.32	.00	.00	76.00	.00	9.92	397.17	15.08
*	20.000	2452.85	119.00	2.45	.04	7.04	.00	.00	119.00	.00	11.65	376.29	15.03
*	20.000	2453.06	141.00	2.66	1.18	7.32	.00	.15	140.85	.00	12.39	356.00	15.03
*	20.000	2453.38	180.00	2.98	1.75	7.77	.00	.78	179.22	.00	13.55	335.41	15.02
*	100.000	2477.82	76.00	2.22	.00	6.11	.00	.00	76.00	.00	10.89	392.85	25.42
*	100.000	2478.27	119.00	2.67	.00	6.70	.00	.00	119.00	.00	12.99	372.04	25.42
*	100.000	2478.46	141.00	2.86	.00	6.94	.00	.00	141.00	.00	13.89	364.53	25.40
*	100.000	2478.76	180.00	3.16	.00	7.30	.00	.00	180.00	.00	15.29	354.91	25.38
*	150.000	2491.69	76.00	2.59	.97	6.24	.00	.36	75.64	.00	13.02	357.95	13.87
*	150.000	2492.26	119.00	3.16	2.01	6.07	.00	12.04	106.96	.00	26.02	240.62	13.99
*	150.000	2492.43	141.00	3.33	2.26	6.20	.00	20.54	120.46	.00	30.06	229.31	13.97
*	150.000	2492.67	180.00	3.57	2.61	6.52	.00	37.01	142.98	.00	35.36	228.20	13.91
*	220.000	2506.50	76.00	1.10	3.10	5.50	2.29	6.69	68.17	1.14	18.15	364.64	14.81
*	220.000	2506.82	119.00	1.42	3.48	6.32	2.71	12.38	104.01	2.61	19.74	329.63	14.56
*	220.000	2506.96	141.00	1.56	3.64	6.65	2.88	15.68	121.80	3.52	20.47	316.40	14.53
*	220.000	2507.20	180.00	1.80	3.87	7.13	3.12	22.09	152.52	5.38	21.67	296.13	14.53

NWOOD WASH, TRIB. 2

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	180.000	.00	.00	.00	2434.60	76.00	2437.32	.00	2437.80	298.25	5.55	13.70	4.40
	180.000	.00	.00	.00	2434.60	119.00	2437.82	.00	2438.42	297.40	6.20	19.19	6.90
	180.000	.00	.00	.00	2434.60	141.00	2438.03	.00	2438.68	298.04	6.47	21.78	8.17
	180.000	.00	.00	.00	2434.60	180.00	2438.36	.00	2439.09	297.57	6.88	26.17	10.43
*	20.000	320.00	.00	.00	2450.40	76.00	2452.40	2452.40	2453.02	397.17	6.32	12.02	3.81
*	20.000	320.00	.00	.00	2450.40	119.00	2452.85	2452.85	2453.62	376.29	7.04	16.92	6.13
*	20.000	320.00	.00	.00	2450.40	141.00	2453.06	2453.06	2453.89	356.00	7.32	19.37	7.47
*	20.000	320.00	.00	.00	2450.40	180.00	2453.38	2453.38	2454.31	335.41	7.77	23.52	9.83
*	100.000	420.00	.00	.00	2475.60	76.00	2477.82	2477.82	2478.40	392.85	6.11	12.44	3.83
*	100.000	420.00	.00	.00	2475.60	119.00	2478.27	2478.27	2478.97	372.04	6.70	17.76	6.17
*	100.000	420.00	.00	.00	2475.60	141.00	2478.46	2478.46	2479.21	364.53	6.94	20.32	7.39
*	100.000	420.00	.00	.00	2475.60	180.00	2478.76	2478.76	2479.58	354.91	7.30	24.65	9.55
*	150.000	260.00	.00	.00	2489.10	76.00	2491.69	2491.69	2492.29	357.95	6.24	12.49	4.02
*	150.000	260.00	.00	.00	2489.10	119.00	2492.26	2492.26	2492.78	240.62	6.07	23.60	7.67
*	150.000	260.00	.00	.00	2489.10	141.00	2492.43	2492.43	2492.96	229.31	6.20	28.54	9.31
*	150.000	260.00	.00	.00	2489.10	180.00	2492.67	2492.67	2493.21	228.20	6.52	36.13	11.92
*	220.000	370.00	.00	.00	2505.40	76.00	2506.50	2506.50	2506.94	364.64	5.50	15.05	3.98
*	220.000	370.00	.00	.00	2505.40	119.00	2506.82	2506.82	2507.38	329.63	6.32	20.98	6.55
*	220.000	370.00	.00	.00	2505.40	141.00	2506.96	2506.96	2507.58	316.40	6.65	23.86	7.93
*	220.000	370.00	.00	.00	2505.40	180.00	2507.20	2507.20	2507.90	296.13	7.13	28.83	10.46

NWOOD WASH, TRIB. 2

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	180.000	76.00	2437.32	.00	.00	.00	10.07	.00
	180.000	119.00	2437.82	.50	.00	.00	11.92	.00
	180.000	141.00	2438.03	.21	.00	.00	12.70	.00
	180.000	180.00	2438.36	.33	.00	.00	13.92	.00
*	20.000	76.00	2452.40	.00	15.08	.00	9.92	320.00
*	20.000	119.00	2452.85	.45	15.03	.00	11.65	320.00
*	20.000	141.00	2453.06	.20	15.03	.00	12.39	320.00
*	20.000	180.00	2453.38	.32	15.02	.00	13.55	320.00
*	100.000	76.00	2477.82	.00	25.42	.00	10.89	420.00
*	100.000	119.00	2478.27	.45	25.42	.00	12.99	420.00
*	100.000	141.00	2478.46	.19	25.40	.00	13.89	420.00
*	100.000	180.00	2478.76	.30	25.38	.00	15.29	420.00
*	150.000	76.00	2491.69	.00	13.87	.00	13.02	260.00
*	150.000	119.00	2492.26	.57	13.99	.00	26.02	260.00
*	150.000	141.00	2492.43	.18	13.97	.00	30.06	260.00
	150.000	180.00	2492.67	.23	13.91	.00	35.36	260.00
*	220.000	76.00	2506.50	.00	14.81	.00	18.15	370.00
*	220.000	119.00	2506.82	.31	14.56	.00	19.74	370.00
*	220.000	141.00	2506.96	.14	14.53	.00	20.47	370.00
*	220.000	180.00	2507.20	.24	14.53	.00	21.67	370.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=     20.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     20.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     20.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     20.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    100.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    100.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    100.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    100.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    150.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    220.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    220.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    220.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    220.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

Stop - Program terminated.

Stop - Program terminated.
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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF SEPTEMBER 1988                       *
*  ERROR: 01,02,03                                 *
*  DATED:  SEPTEMBER 1989                          *
*  RUN DATE     3/23/90    TIME    13:32:55        *
****************************************************
```

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*************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*           (916) 756-1104
*************************************
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 3/23/90 13:32:55

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1        FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - RDD27815.H2
T2        100-YEAR FLOOD FREQUENCY MODEL (NATURAL CONDITIONS)
T3        COTTONWOOD TRIB. 2     (CWT2.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                                                                 2438.03

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                  -1


    ARIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26        8         42        39        1         34        4         53
    21        22        54        0         38        43        1         50        51        27
    21        22        28        5         3         61        200

J5  LPRNT     NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10       -10

QT        2       141       141
NC      .07       .07       .05
ET                          9.1                                                                 9998.0    10013.5
          THIS FLOODWAY MODEL IS BASED ON A PREVIOUS MODEL OF NATURAL CONDITIONS
          REFER TO FILE CWT2.OUT (CH2M HILL, 1990)

X1      180        10      9998.0    10013.5
GR    2459.8    9928.9    2451.9     9958.5    2441.1    9979.8    2438.7    9987.0    2438.7    9998.0
GR    2434.6   10000.0    2438.8    10013.5    2439.2   10017.8    2445.8   10028.1    2458.8   10044.9

ET                          9.1                                                                 9992.8    10003.0
X1       20         9      9992.8    10007.6     320       320       320
GR    2470.3    9941.1    2459.9     9980.0    2457.5    9983.5    2452.7    9992.8    2450.4    9997.9
GR    2450.4   10000.0    2454.9    10007.6    2469.2   10033.6    2477.0   10048.8
```

ET			9.1						9994.0	10005.0
X1	100	10	9985.9	10010.9	420	420	420			
GR	2504.0	9922.4	2494.8	9967.8	2489.2	9980.8	2481.1	9985.9	2476.2	9998.1
GR	2475.6	10000.0	2480.5	10010.9	2487.3	10022.4	2492.9	10051.0	2500.7	10072.4
NC	.06	.06	.05							
ET			9.1						9976.7	10006.5
X1	150	9	9996.1	10013.0	270	250	260			
GR	2513.1	9902.8	2503.5	9936.9	2495.5	9959.9	2492.9	9966.9	2491.5	9996.1
GR	2489.1	10000.0	2495.6	10013.0	2510.0	10043.1	2510.2	10054.1		
ET			9.1						9994.6	10014.8
X1	220	5	10000.0	10013.0	360	380	370			
GR	2521.1	9964.2	2508.9	9987.6	2505.4	10000.0	2505.7	10013.0	2511.8	10022.4

```
     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - RDD27815.H2
T2   100-YEAR FLOOD FREQUENCY MODEL  (ENCROACHMENT CONDITIONS)
T3   COTTONWOOD TRIB. 2       (CWT2.MCE)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                                                          2438.03

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    15                 -1
```

THIS RUN EXECUTED 3/23/90 13:33: 1

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

COTTONWOOD TRIB. 2

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	180.000	141.00	6.47	3.43	2434.60	.00	2438.03	8.17	12.70	9998.33	9998.00	10013.50	10011.03
	180.000	141.00	6.48	3.43	2434.60	.00	2438.03	8.17	12.70	9998.33	9998.00	10013.50	10011.02
	20.000	141.00	7.32	2.66	2450.40	320.00	2453.06	7.47	12.39	9992.10	9992.80	10007.60	10004.49
	20.000	141.00	7.68	2.64	2450.40	320.00	2453.04	7.09	10.20	9992.80	9992.80	10007.60	10003.00
*	100.000	141.00	6.94	2.86	2475.60	420.00	2478.46	7.39	13.89	9992.47	9985.90	10010.90	10006.36
*	100.000	141.00	7.52	2.80	2475.60	420.00	2478.40	7.11	11.00	9994.00	9985.90	10010.90	10005.00
*	150.000	141.00	6.20	3.33	2489.10	260.00	2492.43	9.31	30.06	9976.61	9996.10	10013.00	10006.67
*	150.000	141.00	6.09	3.35	2489.10	260.00	2492.45	9.58	29.80	9976.70	9996.10	10013.00	10006.50
*	220.000	141.00	6.65	1.56	2505.40	370.00	2506.96	7.93	20.47	9994.47	10000.00	10013.00	10014.94
*	220.000	141.00	6.57	1.57	2505.40	370.00	2506.97	8.07	20.20	9994.60	10000.00	10013.00	10014.80

.TONWOOD TRIB. 2

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
	180.000	141.00	2438.03	.00	.00	.00	9998.00	10013.50	.00	298.04	2438.68	.00
	180.000	141.00	2438.03	.00	.00	9998.00	9998.00	10013.50	10013.50	298.10	2438.68	.00
*	20.000	141.00	2453.06	.00	15.03	.00	9992.80	10007.60	.00	356.00	2453.89	.00
*	20.000	141.00	2453.04	-.02	15.01	9992.80	9992.80	10007.60	10003.00	395.42	2453.95	.06
*	100.000	141.00	2478.46	.00	25.40	.00	9985.90	10010.90	.00	364.53	2479.21	.00
*	100.000	141.00	2478.40	-.06	25.36	9994.00	9985.90	10010.90	10005.00	393.35	2479.28	.07
*	150.000	141.00	2492.43	.00	13.97	.00	9996.10	10013.00	.00	229.31	2492.96	.00
*	150.000	141.00	2492.45	.02	14.06	9976.70	9996.10	10013.00	10006.50	216.56	2492.95	.00
*	220.000	141.00	2506.96	.00	14.53	.00	10000.00	10013.00	.00	316.40	2507.58	.00
*	220.000	141.00	2506.97	.01	14.52	9994.60	10000.00	10013.00	10014.80	305.31	2507.58	-.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION SECNO=     20.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     20.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     20.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    100.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    100.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    100.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    150.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    150.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    220.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    220.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    220.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
```

FLOODWAY DATA, COTTONWOOD TRIB. 2
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
180.000	13.	22.	6.5	2438.0	2438.0	.0
20.000	10.	18.	7.7	2453.0	2453.1	-.1
100.000	11.	19.	7.5	2478.4	2478.5	-.1
150.000	30.	29.	4.8	2492.5	2492.4	.1
220.000	20.	24.	5.8	2507.0	2507.0	.0

```
*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     2/26/90    TIME    15:50:24         *
*****************************************************
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*           (916) 756-1104
*************************************
```

GR. OUT

100 YR CWSEL 2-27-90 DES

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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X       X     X            X     X
X     X  X       X                        X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X       X                  X
X     X  X       X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 2/26/90 15:50:24

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************



T1        FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2        10-YR FLOOD FREQUENCY MODEL
T3        GRAPEVINE WASH            (GR.DAT)


J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                           .025                                  2480.19

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                 -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38         1        43         8        55        26        56        13        14        15
     4         5        51
   150


QT       4      2865      4266      5004      6316

NC     .05       .05      .046        .1        .3

NH       5       .05    9673.3       .04    9700.3       .05    9924.9      .035   10020.2       .05
NH   10070

       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT****************
         STARTING WSEL IS FROM ROWE WASH, SECTION 2.69 (HEC-2, RO.OUT).
         QT VALUES ARE FROM PC 51A (JUST UPSTRM FROM CONFL. RO/GR)
         N-VALUES FOR CHANNELS ARE WIGHTED AVERAGES OF SAND & OVERBANK N'S
         BASED ON WIDTHS OF SAND AND OVERBANK AREAS.
X1    2690        21    9611.9     10069
GR  2502.5    9566.6    2490.1    9589.5    2484.2    9611.9    2483.8    9630.6    2482.5    9656.7
GR  2480.8    9673.3    2481.2    9700.3    2481.4    9700.3    2481.2    9722.8    2482.1    9755.8
GR  2481.5    9839.0    2479.9    9901.0    2478.5    9924.9    2477.1    9979.4    2475.6    9988.7
GR  2475.3   10000.0    2475.9   10013.0    2478.6   10020.2    2479.6   10040.7    2484.4     10069
     2495     10070
```

NC	.05	.05	.046							
X1	110	21	9986.5	10303.4	580	580	580			
GR	2510.0	9957.6	2492.5	9986.5	2492.5	9988.0	2492.5	9996.2	2492.5	10000.0
GR	2492.5	10007.9	2493.3	10016.1	2496.1	10027.2	2495.3	10035.5	2492.1	10071.1
GR	2494.6	10094.6	2496.0	10120.7	2496.2	10152.5	2494.3	10180.7	2493.7	10195.4
GR	2494.4	10217.0	2494.4	10244.8	2494.6	10284.7	2493.4	10303.4	2501.0	10327.3
GR	2508.1	10342.8								
X1	190	12	9915.4	10116.3	390	390	420			
GR	2522.0	9889.8	2506.3	9915.4	2504.4	9934.4	2507.0	9954.2	2504.1	9973.5
GR	2505.0	9997.6	2505.0	10000.0	2504.1	10020.2	2510.5	10116.3	2511.1	10246.6
GR	2516.8	10265.6	2526.7	10284.5						
X1	290	18	9852.3	10171.5	500	480	530			
GR	2540.6	9824.2	2522.9	9852.3	2519.3	9865.7	2519.0	9877.4	2520.7	9910.9
GR	2522.7	9949.3	2521.9	9963.3	2521.9	9975.7	2525.0	10000.0	2524.8	10000.4
GR	2523.3	10016.0	2524.4	10048.8	2524.3	10090.1	2522.6	10128.5	2520.8	10158.5
GR	2520.9	10171.5	2528.5	10189.6	2541.1	10206.0				
X1	370	16	9972.5	10216.3	430	450	420			
[illegible]	2560.5	9927.7	2553.6	9940.3	2543.5	9959.0	2534.4	9972.5	2533.9	9978.6
[illegible]	2534.7	10000.0	2534.7	10008.6	2537.8	10022.2	2539.8	10062.0	2539.7	10066.7
GR	2539.2	10122.0	2540.3	10153.7	2537.5	10196.3	2539.6	10216.3	2547.4	10235.0
GR	2555.7	10264.1								
X1	490	15	9823.9	10018.8	620	600	630			
GR	2578.5	9760.6	2564.1	9805.5	2560.2	9823.9	2558.8	9859.6	2556.3	9885.8
GR	2557.7	9919.2	2558.3	9952.9	2556.5	9983.9	2555.2	9996.9	2555.8	10000.0
GR	2555.9	10018.6	2557.3	10018.8	2564.9	10038.8	2574.1	10073.6	2575.9	10081.6
X1	570	13	9815.5	10069.5	420	420	420			
GR	2588.9	9784.9	2567.6	9815.5	2567.6	9824.9	2567.6	9835.1	2570.7	9894.7
GR	2570.2	9905.0	2573.1	9962.7	2573.5	9976.0	2572.2	9991.9	2568.3	10000.0
GR	2571.6	10029.0	2568.9	10069.5	2582.2	10106.0				
X1	670	15	9756.5	10016.1	540	520	530			
GR	2620.7	9696.6	2593.6	9740.9	2587.7	9756.5	2589.1	9779.1	2589.5	9798.7
GR	2589.6	9867.1	2589.1	9922.8	2586.2	9975.0	2586.2	9980.3	2586.2	10000.0
GR	2586.3	10015.6	2586.9	10016.1	2600.1	10034.8	2617.2	10067.4	2622.9	10076.9

X1	750	15	9899.2	10191.7	370	400	420			
GR	2618.8	9858.0	2599.9	9899.2	2600.7	9916.6	2600.8	9967.5	2601.2	9972.8
GR	2601.4	10000.0	2602.5	10024.0	2602.6	10069.4	2603.7	10075.4	2600.8	10109.8
GR	2603.8	10143.0	2602.5	10170.4	2599.2	10191.7	2607.2	10207.3	2619.0	10228.3
X1	810	15	9875.6	10168.0	320	300	320			
GR	2629.8	9850.5	2610.8	9875.6	2611.8	9896.1	2610.7	9916.0	2613.0	9942.0
GR	2613.2	9982.7	2613.3	10000.0	2612.8	10018.7	2610.0	10066.0	2612.3	10084.0
GR	2612.5	10116.5	2612.9	10149.2	2612.9	10168.0	2627.0	10191.0	2640.1	10214.2
X1	900	17	9930.8	10199.9	480	480	480			
GR	2651.1	9886.9	2625.5	9930.8	2628.1	9959.8	2627.8	9973.8	2627.5	9999.5
GR	2628.1	10000.0	2628.2	10017.7	2628.6	10030.0	2626.2	10070.1	2629.0	10105.6
GR	2628.4	10137.8	2626.1	10153.4	2628.6	10163.8	2630.0	10199.9	2631.6	10217.9
GR	2647.7	10245.2	2652.0	10252.3						
NC	.05	.05	.045							
X1	1000	14	9979.8	10212.6	550	530	530			
GR	2668.1	9946.5	2644.8	9979.8	2645.1	9981.0	2645.6	10000.0	2645.5	10016.2
GR	2647.1	10068.6	2646.3	10092.3	2644.5	10115.4	2647.0	10135.6	2647.5	10187.3
	2646.7	10212.6	2650.5	10223.6	2664.0	10246.0	2671.6	10257.4		
X1	1090	18	9819.4	10157.9	440	430	480			
GR	2680.2	9784.3	2663.3	9819.4	2663.6	9825.9	2661.3	9851.8	2659.2	9874.3
GR	2662.5	9895.5	2664.5	9925.0	2661.5	9973.9	2661.1	9996.7	2661.7	10000.0
GR	2661.7	10021.9	2665.1	10051.0	2664.3	10074.0	2663.1	10118.6	2662.8	10135.1
GR	2664.5	10157.9	2672.3	10185.9	2684.7	10199.3				
X1	1190	16	9811.3	10197.7	510	520	530			
GR	2702.2	9768.4	2681.0	9811.3	2677.9	9825.0	2679.2	9838.5	2681.8	9915.1
GR	2682.6	9960.2	2681.0	9978.0	2680.7	9987.0	2679.9	10000.0	2681.2	10017.0
GR	2683.6	10022.4	2682.4	10065.7	2683.2	10106.5	2682.5	10155.1	2682.9	10197.7
GR	2698.1	10210.1								
X1	1270	13	9973.6	10089.0	460	450	420			
GR	2721.6	9938.8	2705.7	9964.2	2697.8	9973.6	2698.1	9985.9	2697.6	9999.6
GR	2699.3	10000.0	2698.7	10012.8	2697.5	10053.2	2699.7	10062.4	2696.8	10083.2
GR	2697.2	10089.0	2709.8	10112.5	2717.3	10126.2				
X1	1360	9	9935.0	10019.7	490	470	480			
GR	2737.3	9909.0	2710.7	9935.0	2712.0	9965.2	2712.9	9990.8	2711.3	10000.0
GR	2711.0	10013.8	2712.9	10019.7	2717.0	10033.3	2732.2	10056.2		

[illegible]	1430	10	9980.0	10059.0	370	370	370			
GR	2740.0	9950.0	2735.0	9960.0	2729.0	9970.0	2724.0	9980.0	2723.5	9990.0
GR	2722.6	10000.0	2722.6	10020.0	2722.8	10020.1	2724.5	10059.0	2731.5	10077.6

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
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CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
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1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
7230 SLOPE-AREA TRIALS EXCEED 100
3720 CRITICAL DEPTH ASSUMED
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT****************
         STARTING WSEL IS FROM ROWE WASH, SECTION 2.69 (HEC-2, RO.OUT).
         QT VALUES ARE FROM PC 51A (JUST UPSTRM FROM CONFL. RO/GR)
         N-VALUES FOR CHANNELS ARE WIGHTED AVERAGES OF SAND & OVERBANK N'S
         BASED ON WIDTHS OF SAND AND OVERBANK AREAS.
 2690.000     4.81  2480.11  2480.11  2480.19  2481.23     1.13      .00      .00  2484.20
    2865.       0.    2865.       0.       0.     336.       0.       0.       0.   2484.40
      .00      .00     8.52      .00     .000     .040     .000     .000  2475.30   9892.96
  .018369       0.       0.       0.        0        8        0      .00   150.73  10043.69
```

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 110.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

110.000	3.46	2495.56	2495.56	.00	2496.32	.76	12.80	.04	2492.50
2865.	45.	2783.	37.	8.	396.	7.	5.	3.	2493.40
.02	5.85	7.02	4.99	.050	.046	.050	.000	2492.10	9981.44
.027033	580.	580.	580.	12	20	0	.00	271.63	10310.20

*SECNO 190.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

190.000	3.40	2507.50	2507.50	.00	2508.61	1.12	10.86	.11	2506.30
2865.	3.	2862.	0.	1.	337.	0.	9.	5.	2510.50
.04	2.99	8.49	.00	.050	.046	.000	.000	2504.10	9913.45
.024789	390.	420.	390.	4	5	0	.00	157.76	10071.21

*SECNO 290.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

290.000	4.18	2523.18	2523.18	.00	2524.16	.98	13.55	.01	2522.90
2865.	0.	2834.	31.	0.	356.	6.	13.	7.	2520.90
.06	.05	7.97	4.99	.050	.046	.050	.000	2519.00	9851.86
.026411	500.	530.	480.	12	11	0	.00	195.25	10176.92

*SECNO 370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

370.000	5.90	2539.80	2539.80	.00	2540.62	.82	10.76	.02	2534.40
2865.	173.	2692.	0.	22.	374.	0.	16.	9.	2539.60
.07	8.01	7.20	.05	.050	.046	.050	.000	2533.90	9964.49
.024817	430.	420.	450.	16	12	0	.00	230.19	10216.78

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

*SECNO 490.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

490.000	4.08	2559.28	2559.28	.00	2560.32	1.04	15.82	.07	2560.20
2865.	0.	2842.	23.	0.	347.	5.	22.	12.	2557.30
.09	.00	8.19	4.51	.000	.046	.050	.000	2555.20	9847.30
.025441	620.	630.	600.	14	19	0	.00	176.72	10024.02

*SECNO 570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	3.89	2571.49	2571.49	.00	2572.44	.94	10.86	.01	2567.60
2865.	72.	2743.	51.	11.	349.	9.	25.	14.	2568.90
.11	6.58	7.86	5.49	.050	.046	.050	.000	2567.60	9809.91
.026274	420.	420.	420.	4	11	0	.00	201.50	10076.62

*SECNO 670.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

670.000	3.84	2590.04	2590.04	.00	2590.77	.73	13.67	.02	2587.70
2865.	36.	2790.	39.	7.	404.	7.	30.	17.	2586.90
.13	5.02	6.90	5.58	.050	.046	.050	.000	2586.20	9750.32
.025304	540.	530.	520.	8	6	0	.00	270.22	10020.54

*SECNO 750.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

750.000	3.85	2603.05	2603.05	.00	2603.82	.77	11.19	.01	2599.90
2865.	69.	2693.	104.	11.	382.	14.	34.	19.	2599.20
.15	6.35	7.06	7.16	.050	.046	.050	.000	2599.20	9892.33
.028287	370.	420.	400.	18	5	0	.00	271.60	10199.21

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


*SECNO 810.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  810.000     3.67  2613.67  2613.67      .00  2614.35      .69     8.66      .01  2610.80
    2865.      28.    2836.       1.       5.     425.       0.      37.      21.   2612.90
      .16     5.23     6.67     2.27     .050     .046     .050     .000  2610.00  9871.81
  .025950     320.     320.     300.       12       10        0      .00   297.43 10169.25


*SECNO 900.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  900.000     3.81  2629.31  2629.31      .00  2630.13      .82    13.18      .04  2625.50
    2865.      88.    2777.       0.      12.     382.       0.      42.      24.   2630.00
      .18     7.06     7.27      .00     .050     .046     .000     .000  2625.50  9924.27
  .029111     480.     480.     480.       19        8        0      .00   257.75 10182.02


*SECNO 1000.000
 MINIMUM SPECIFIC ENERGY
 CRITICAL DEPTH ASSUMED
 1000.000     3.49  2647.99  2647.99      .00  2648.84      .85    14.76      .01  2644.80
    2865.      42.    2814.       8.       7.     378.       2.      47.      27.   2646.70
      .20     5.80     7.44     3.49     .050     .045     .050     .000  2644.50  9975.24
  .026615     550.     530.     530.       19       15        0      .00   241.09 10216.33


*SECNO 1090.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1090.000     4.61  2663.81  2663.81      .00  2664.62      .80    12.71      .00  2663.30
    2865.       0.    2865.       0.       0.     398.       0.      51.      30.   2664.50
      .22     1.82     7.19      .00     .050     .045     .000     .000  2659.20  9818.33
  .026406     440.     480.     430.       16       11        0      .00   256.95 10148.69


*SECNO 1190.000

3265 DIVIDED FLOW
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 CNO     DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
         QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
  TIME   VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
  SLOPE  XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1190.000     4.85  2682.75  2682.75      .00  2683.48      .73    13.91      .01  2681.00
    2865.      13.    2852.       0.       3.     415.       0.      56.      34.   2682.90
      .24     4.08     6.87      .00     .050     .045     .000     .000  2677.90  9807.76
  .026092     510.     530.     520.       15        8        0      .00   286.49 10181.45


*SECNO 1270.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1270.000     3.96  2700.76  2700.76      .00  2702.06     1.30    10.20      .17  2697.80
    2865.      25.    2769.      71.       5.     299.      12.      59.      36.   2697.20
      .25     4.85     9.26     6.03     .050     .045     .050     .000  2696.80  9970.08
  .022597     460.     420.     450.       15       15        0      .00   125.55 10095.63


 NO 1360.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1360.000     4.30  2715.00  2715.00      .00  2716.58     1.57    10.19      .08  2710.70
    2865.      50.    2784.      31.       9.     274.       7.      63.      37.   2712.90
      .26     5.52    10.17     4.22     .050     .045     .050     .000  2710.70  9930.79
  .020002     490.     480.     470.       13        8        0      .00    95.89 10026.68


*SECNO 1430.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1430.000     4.16  2726.76  2726.76      .00  2728.38     1.62     7.19      .02  2724.00
    2865.      36.    2801.      29.       8.     271.       7.      65.      38.   2724.50
      .27     4.70    10.32     4.24     .050     .045     .050     .000  2722.60  9974.49
  .018888     370.     370.     370.       11        8        0      .00    90.51 10065.00
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T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      50-YR FLOOD FREQUENCY MODEL
T3      GRAPEVINE WASH            (GR.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                         .025                                2480.96

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     2                -1
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 CNO    DEPTH   CWSEL   CRIWS   WSELK   EG      HV      HL      OLOSS   BANK ELEV
        QLOB    QCH     QROB    ALOB    ACH     AROB    VOL     TWA   LEFT/RIGHT
 TIME   VLOB    VCH     VROB    XNL     XNCH    XNR     WTN     ELMIN     SSTA
 SLOPE  XLOBL   XLCH    XLOBR   ITRIAL  IDC     ICONT   CORAR   TOPWID    ENDST


*PROF 2

CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3720 CRITICAL DEPTH ASSUMED
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT****************
         STARTING WSEL IS FROM ROWE WASH, SECTION 2.69 (HEC-2, RO.OUT).
         QT VALUES ARE FROM PC 51A (JUST UPSTRM FROM CONFL. RO/GR)
         N-VALUES FOR CHANNELS ARE WIGHTED AVERAGES OF SAND & OVERBANK N'S
         BASED ON WIDTHS OF SAND AND OVERBANK AREAS.
 2690.000     5.66  2480.96  2480.96  2480.96  2482.18     1.22      .00      .00  2484.20
    '266.      0.    4266.       0.       0.     482.       0.       0.       0.   2484.40
      .00     .00     8.86      .00     .000     .043     .000     .000  2475.30  9671.77
  .020255      0.       0.       0.        0        5        0      .00   200.76 10048.70


*SECNO 110.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  110.000     4.00  2496.10  2496.10      .00  2496.99      .89    13.08      .03  2492.50
    4266.      67.    4135.      64.      11.     542.      11.       7.       3.   2493.40
      .02     6.29     7.62     5.58     .050     .046     .050     .000  2492.10  9980.56
  .025261     580.     580.     580.       18       16        0      .00   313.22 10311.88


*SECNO 190.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  190.000     4.11  2508.21  2508.21      .00  2509.58     1.37    10.01      .14  2506.30
    4266.      12.    4254.       0.       3.     452.       0.      12.       6.   2510.50
      .03     3.89     9.42      .00     .050     .046     .000     .000  2504.10  9912.29
  .022574     390.     420.     390.        4        8        0      .00   169.60 10081.89
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CNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 290.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

290.000	4.85	2523.85	2523.85	.00	2524.96	1.11	12.62	.03	2522.90
4266.	2.	4204.	60.	1.	495.	10.	18.	8.	2520.90
.05	2.56	8.49	5.78	.050	.046	.050	.000	2519.00	9850.80
.025186	500.	530.	480.	16	11	0	.00	240.24	10178.51

*SECNO 370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

370.000	6.38	2540.28	2540.28	.00	2541.36	1.08	10.85	.00	2534.40
266.	224.	4040.	1.	26.	485.	1.	23.	11.	2539.60
.07	8.76	8.32	2.23	.050	.046	.050	.000	2533.90	9963.78
.026453	430.	420.	450.	17	11	0	.00	253.24	10217.93

*SECNO 490.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

490.000	4.76	2559.96	2559.96	.00	2561.21	1.25	15.65	.05	2560.20
4266.	0.	4217.	49.	0.	468.	9.	30.	14.	2557.30
.08	.00	9.01	5.25	.000	.046	.050	.000	2555.20	9830.12
.023397	620.	630.	600.	12	19	0	.00	195.67	10025.79

*SECNO 570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	4.48	2572.08	2572.08	.00	2573.25	1.17	10.13	.01	2567.60
4266.	101.	4080.	85.	14.	465.	14.	34.	16.	2568.90
.10	7.03	8.78	6.12	.050	.046	.050	.000	2567.60	9809.07
.024871	420.	420.	420.	10	11	0	.00	219.38	10078.22

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 670.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

670.000	4.27	2590.47	2590.47	.00	2591.46	.99	13.16	.02	2587.70
4266.	56.	4155.	54.	10.	517.	9.	41.	19.	2586.90
.12	5.56	8.04	6.02	.050	.046	.050	.000	2586.20	9749.18
.024789	540.	530.	520.	10	12	0	.00	271.98	10021.16

*SECNO 750.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

750.000	4.36	2603.56	2603.56	.00	2604.49	.92	10.55	.01	2599.90
4266.	98.	4031.	137.	15.	520.	19.	46.	22.	2599.20
.13	6.68	7.75	7.40	.050	.046	.050	.000	2599.20	9891.21
.025609	370.	420.	400.	17	5	0	.00	299.09	10200.21

*SECNO 810.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

810.000	4.12	2614.12	2614.12	.00	2615.01	.88	7.79	.00	2610.80
4266.	40.	4223.	4.	7.	558.	1.	50.	24.	2612.90
.14	5.46	7.57	2.93	.050	.046	.050	.000	2610.00	9871.21
.023203	320.	320.	300.	12	10	0	.00	298.78	10169.99

*SECNO 900.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

900.000	4.31	2629.81	2629.81	.00	2630.83	1.02	11.85	.04	2625.50
4266.	116.	4150.	0.	16.	511.	0.	56.	27.	2630.00
.16	7.29	8.12	.00	.050	.046	.000	.000	2625.50	9923.41
.026311	480.	480.	480.	16	8	0	.00	271.54	10194.95

*SECNO 1000.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1000.000	4.02	2648.52	2648.52	.00	2649.59	1.07	12.98	.01	2644.80
4266.	59.	4187.	20.	10.	503.	5.	62.	30.	2646.70
.18	5.95	8.33	4.07	.050	.045	.050	.000	2644.50	9974.48
2826	550.	530.	530.	15	12	0	.00	243.41	10217.88

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

*SECNO 1090.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1090.000	5.16	2664.36	2664.36	.00	2665.29	.93	11.47	.01	2663.30
4266.	3.	4263.	0.	1.	550.	0.	68.	33.	2664.50
.19	2.87	7.75	.00	.050	.045	.000	.000	2659.20	9817.21
.025086	440.	480.	430.	16	11	0	.00	306.49	10155.96

*SECNO 1190.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1190.000	5.31	2683.21	2683.21	.00	2684.07	.86	14.32	.01	2681.00
266.	25.	4241.	0.	5.	568.	0.	75.	37.	2682.90
.21	5.04	7.47	.05	.050	.045	.050	.000	2677.90	9806.84
.029176	510.	530.	520.	16	8	0	.00	375.99	10197.95

*SECNO 1270.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1270.000	4.75	2701.55	2701.55	.00	2703.23	1.67	10.18	.24	2697.80
4266.	45.	4105.	116.	8.	390.	18.	80.	40.	2697.20
.23	5.40	10.51	6.55	.050	.045	.050	.000	2696.80	9969.14
.020381	460.	420.	450.	16	11	0	.00	127.98	10097.11

*SECNO 1360.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1360.000	5.28	2715.98	2715.98	.00	2717.98	2.00	9.19	.10	2710.70
4266.	82.	4103.	81.	14.	356.	16.	84.	41.	2712.90
.24	6.00	11.51	5.17	.050	.045	.050	.000	2710.70	9929.84
.018012	490.	480.	470.	18	8	0	.00	100.08	10029.92

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1430.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1430.000	5.17	2727.77	2727.77	.00	2729.84	2.07	6.51	.02	2724.00
4266.	79.	4114.	74.	14.	352.	14.	88.	42.	2724.50
.25	5.52	11.70	5.18	.050	.045	.050	.000	2722.60	9972.46
.017211	370.	370.	370.	20	8	0	.00	95.23	10067.69

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      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2    100-YR FLOOD FREQUENCY MODEL
T3    GRAPEVINE WASH          (GR.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             4                       .025                            2481.43

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    3                -1
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*PROF 3

CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3720 CRITICAL DEPTH ASSUMED
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT****************
         STARTING WSEL IS FROM ROWE WASH, SECTION 2.69 (HEC-2, RO.OUT).
         QT VALUES ARE FROM PC 51A (JUST UPSTRM FROM CONFL. RO/GR)
         N-VALUES FOR CHANNELS ARE WIGHTED AVERAGES OF SAND & OVERBANK N'S
         BASED ON WIDTHS OF SAND AND OVERBANK AREAS.
 2690.000     6.13  2481.43  2481.43  2481.43  2482.54     1.11      .00      .00  2484.20
    5004.       0.    5004.       0.       0.     593.       0.       0.       0.   2484.40
      .00      .00     8.44      .00     .000     .044     .000     .000  2475.30  9667.14
 .022537       0.       0.       0.        0        5        0      .00   273.97 10051.50


*SECNO 110.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  110.000     4.25  2496.35  2496.35      .00  2497.28      .93    13.38      .02  2492.50
    5004.      78.    4847.      79.      12.     623.      14.       8.       4.   2493.40
      .02     6.37     7.78     5.74     .050     .046     .050     .000  2492.10  9980.14
 .023629      580.     580.     580.        4       18        0      .00   332.55 10312.69


*SECNO 190.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  190.000     4.44  2508.54  2508.54      .00  2510.03     1.50     9.55      .17  2506.30
    5004.      17.    4987.       0.       4.     507.       0.      14.       6.   2510.50
      .03     4.26     9.84      .00     .050     .046     .000     .000  2504.10  9911.76
 .021941      390.     420.     390.        4        8        0      .00   175.04 10086.80
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 290.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

290.000	5.22	2524.22	2524.22	.00	2525.30	1.08	11.81	.04	2522.90
5004.	4.	4922.	78.	1.	587.	13.	21.	9.	2520.90
.05	3.03	8.39	5.94	.050	.046	.050	.000	2519.00	9850.21
.022673	500.	530.	480.	17	11	0	.00	268.04	10179.40

*SECNO 370.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

370.000	6.69	2540.59	2540.59	.00	2541.71	1.12	9.56	.01	2534.40
5004.	239.	4762.	3.	28.	561.	1.	26.	12.	2539.60
.06	8.41	8.48	2.66	.050	.046	.050	.000	2533.90	9963.32
2774	430.	420.	450.	20	13	0	.00	255.36	10218.67

*SECNO 490.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

490.000	5.04	2560.24	2560.24	.00	2561.62	1.38	14.49	.08	2560.20
5004.	0.	4940.	64.	0.	522.	11.	34.	15.	2557.30
.08	.05	9.46	5.60	.050	.046	.050	.000	2555.20	9823.72
.023257	620.	630.	600.	16	19	0	.00	202.81	10026.53

*SECNO 570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	4.77	2572.37	2572.37	.00	2573.63	1.26	9.90	.01	2567.60
5004.	118.	4781.	105.	16.	525.	17.	40.	17.	2568.90
.10	7.19	9.10	6.37	.050	.046	.050	.000	2567.60	9808.65
.023912	420.	420.	420.	10	11	0	.00	228.72	10079.02

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 SECNO    DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 670.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  670.000     4.50  2590.70  2590.70      .00  2591.79     1.10    12.64      .02  2587.70
    5004.      68.    4873.      63.      12.     576.      10.      47.      20.   2586.90
      .11     5.74     8.46     6.14     .050     .046     .050     .000  2586.20  9748.57
  .023777     540.     530.     520.       11       12        0      .00   272.91 10021.48


*SECNO 750.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  750.000     4.59  2603.79  2603.79      .00  2604.80     1.01    10.21      .01  2599.90
    5004.     113.    4735.     155.      16.     584.      21.      53.      23.   2599.20
      .13     6.87     8.10     7.57     .050     .046     .050     .000  2599.20  9890.72
  .025031     370.     420.     400.       19        5        0      .00   309.55 10200.65


*SECNO 810.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  810.000     4.25  2614.25  2614.25      .00  2615.32     1.07     8.09      .02  2610.80
    5004.      46.    4953.       5.       8.     596.       1.      57.      25.   2612.90
      .14     5.88     8.31     3.29     .050     .046     .050     .000  2610.00  9871.04
  .025601     320.     320.     300.       11       15        0      .00   299.17 10170.21


*SECNO 900.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  900.000     4.54  2630.04  2630.04      .00  2631.16     1.12    12.27      .02  2625.50
    5004.     131.    4873.       0.      18.     572.       0.      64.      28.   2630.00
      .15     7.44     8.52      .05     .050     .046     .050     .000  2625.50  9923.02
  .025543     480.     480.     480.       17        8        0      .00   277.29 10200.31


*SECNO 1000.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1000.000     4.23  2648.73  2648.73      .00  2649.95     1.22    12.85      .03  2644.80
    5004.      69.    4909.      26.      11.     552.       6.      71.      32.   2646.70
      .17     6.20     8.90     4.39     .050     .045     .050     .000  2644.50  9974.18
    3019     550.     530.     530.       15       11        0      .00   244.31 10218.49
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CNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1090.000

3265 *DIVIDED FLOW*

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1090.000	5.37	2664.57	2664.57	.00	2665.59	1.01	11.47	.02	2663.30
5004.	5.	4999.	0.	2.	618.	0.	77.	35.	2664.50
.19	3.24	8.08	.05	.050	.045	.050	.000	2659.20	9816.76
.024882	440.	480.	430.	17	11	0	.00	321.75	10158.16

*SECNO 1190.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1190.000	5.50	2683.40	2683.40	.00	2684.33	.94	13.91	.01	2681.00
004.	30.	4974.	0.	6.	639.	0.	85.	39.	2682.90
.21	5.19	7.78	1.44	.050	.045	.050	.000	2677.90	9806.45
.027734	510.	530.	520.	17	8	0	.00	383.84	10198.11

*SECNO 1270.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1270.000	5.12	2701.92	2701.92	.00	2703.78	1.86	9.77	.28	2697.80
5004.	57.	4805.	142.	10.	433.	21.	90.	41.	2697.20
.22	5.66	11.09	6.80	.050	.045	.050	.000	2696.80	9968.69
.019731	460.	420.	450.	16	11	0	.00	129.11	10097.81

*SECNO 1360.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1360.000	5.75	2716.45	2716.45	.00	2718.64	2.19	8.85	.10	2710.70
5004.	100.	4787.	116.	16.	396.	21.	95.	43.	2712.90
.23	6.22	12.09	5.56	.050	.045	.050	.000	2710.70	9929.38
.017260	490.	480.	470.	18	8	0	.00	102.09	10031.47

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1430.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1430.000	5.62	2728.22	2728.22	.00	2730.53	2.31	6.33	.03	2724.00
5004.	105.	4796.	103.	18.	387.	18.	99.	44.	2724.50
.24	5.91	12.39	5.60	.050	.045	.050	.000	2722.60	9971.56
.016965	370.	370.	370.	20	5	0	.00	97.33	10068.88

```
     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   500-YR FLOOD FREQUENCY MODEL
T3   GRAPEVINE WASH          (GR.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

             5                    .025                            2481.98

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

    15               -1
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 CNO     DEPTH    CWSEL    CRIWS    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   XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4

CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3720 CRITICAL DEPTH ASSUMED
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT****************
         STARTING WSEL IS FROM ROWE WASH, SECTION 2.69 (HEC-2, RO.OUT).
         QT VALUES ARE FROM PC 51A (JUST UPSTRM FROM CONFL. RO/GR)
         N-VALUES FOR CHANNELS ARE WIGHTED AVERAGES OF SAND & OVERBANK N'S
         BASED ON WIDTHS OF SAND AND OVERBANK AREAS.
 2690.000     6.67  2481.97  2481.97  2481.98  2483.03     1.06      .00      .00  2484.20
    316.       0.    6316.       0.       0.     766.       0.       0.       0.   2484.40
      .00      .00     8.25      .00     .000     .046     .000     .000  2475.30  9661.83
  .024487       0.       0.       0.        0        5        0      .00   370.78 10054.70


*SECNO 110.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  110.000     4.54  2496.64  2496.64      .00  2497.77     1.12    14.00      .02  2492.50
   6316.       95.    6119.     101.      14.     715.      17.      10.       5.   2493.40
     .02     6.72     8.56     6.13     .050     .046     .050     .000  2492.10  9979.66
  .023806     580.     580.     580.        6       20        0      .00   333.95 10313.60


*SECNO 190.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  190.000     4.98  2509.08  2509.08      .00  2510.76     1.68     9.34      .17  2506.30
   6316.       30.    6286.       0.       6.     603.       0.      17.       7.   2510.50
     .03     4.81    10.43      .00     .050     .046     .000     .000  2504.10  9910.87
  .020862     390.     420.     390.        9        8        0      .00   184.11 10094.97
```

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 290.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

290.000	5.61	2524.61	2524.61	.00	2525.81	1.20	12.18	.05	2522.90
6316.	9.	6196.	111.	2.	703.	16.	25.	10.	2520.90
.05	3.83	8.81	6.79	.050	.046	.050	.000	2519.00	9849.58
.025505	500.	530.	480.	18	8	0	.00	325.37	10180.34

*SECNO 370.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

370.000	6.98	2540.88	2540.88	.00	2542.29	1.40	10.51	.06	2534.40
6316.	280.	6029.	6.	31.	633.	2.	31.	13.	2539.60
.06	8.99	9.53	3.28	.050	.046	.050	.000	2533.90	9962.88
.024482	430.	420.	450.	12	11	0	.00	256.49	10219.38

*SECNO 490.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

490.000	5.49	2560.69	2560.69	.00	2562.29	1.60	14.56	.06	2560.20
6316.	1.	6224.	91.	1.	611.	15.	41.	16.	2557.30
.08	1.70	10.18	5.98	.050	.046	.050	.000	2555.20	9821.57
.021883	620.	630.	600.	19	15	0	.00	206.16	10027.73

*SECNO 570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	5.23	2572.83	2572.83	.00	2574.24	1.41	9.44	.02	2567.60
6316.	148.	6024.	144.	20.	627.	21.	47.	19.	2568.90
.09	7.51	9.62	6.80	.050	.046	.050	.000	2567.60	9807.99
.023085	420.	420.	420.	9	11	0	.00	245.43	10080.29

```
 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 670.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  670.000     4.84  2591.04  2591.04      .00  2592.35     1.31    12.36      .01  2587.70
   6316.       90.    6147.      78.      15.     664.      12.      55.      22.   2586.90
     .10     6.14     9.26     6.47     .050     .046     .050     .000  2586.20  9747.68
 .023578     540.     530.     520.       11       15        0      .00   274.28 10021.96


*SECNO 750.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  750.000     4.93  2604.13  2604.13      .00  2605.30     1.18     9.93      .01  2599.90
   6316.      138.    5995.     183.      19.     684.      24.      62.      25.   2599.20
     .12     7.09     8.77     7.74     .050     .046     .050     .000  2599.20  9889.98
 .023836     370.     420.     400.       18        5        0      .00   311.32 10201.31


*SECNO 810.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  810.000     4.60  2614.60  2614.60      .00  2615.84     1.24     7.68      .02  2610.80
   6316.       58.    6249.       9.      10.     697.       2.      67.      27.   2612.90
     .13     6.10     8.96     3.73     .050     .046     .050     .000  2610.00  9870.58
 .024225     320.     320.     300.       13       11        0      .00   300.18 10170.77


*SECNO 900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  900.000     4.91  2630.41  2630.41      .00  2631.70     1.29    11.55      .02  2625.50
   6316.      156.    6158.       1.      21.     672.       1.      75.      30.   2630.00
     .14     7.58     9.17     1.58     .050     .046     .050     .000  2625.50  9922.39
 .023919     480.     480.     480.       20        8        0      .00   282.08 10204.46


*SECNO 1000.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1000.000     4.64  2649.14  2649.14      .00  2650.55     1.41    12.09      .04  2644.80
   6316.       86.    6188.      41.      13.     645.       9.      83.      33.   2646.70
     .16     6.43     9.59     4.81     .050     .045     .050     .000  2644.50  9973.60
 .021733     550.     530.     530.       16       11        0      .00   246.05 10219.65
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CNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1090.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1090.000	5.72	2664.92	2664.92	.00	2666.07	1.15	10.92	.03	2663.30
6316.	10.	6305.	1.	3.	731.	0.	91.	36.	2664.50
.17	3.72	8.62	1.58	.050	.045	.050	.000	2659.20	9816.04
.023865	440.	480.	430.	18	11	0	.00	336.67	10159.41

*SECNO 1190.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1190.000	5.80	2683.70	2683.70	.00	2684.77	1.07	13.22	.01	2681.00
6316.	40.	6275.	0.	7.	754.	0.	100.	41.	2682.90
.19	5.45	8.32	1.92	.050	.045	.050	.000	2677.90	9805.84
.026100	510.	530.	520.	18	8	0	.00	392.51	10198.35

*SECNO 1270.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1270.000	5.74	2702.54	2702.54	.00	2704.70	2.16	9.24	.33	2697.80
6316.	81.	6043.	192.	13.	505.	27.	106.	43.	2697.20
.20	6.05	11.97	7.20	.050	.045	.050	.000	2696.80	9967.96
.018739	460.	420.	450.	18	5	0	.00	131.01	10098.97

*SECNO 1360.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1360.000	6.55	2717.25	2717.25	.00	2719.73	2.48	8.26	.09	2710.70
6316.	137.	5981.	199.	21.	464.	31.	112.	45.	2712.90
.21	6.51	12.89	6.33	.050	.045	.050	.000	2710.70	9928.59
.015879	490.	480.	470.	18	8	0	.00	105.09	10033.68

CNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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*SECNO 1430.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1430.000     6.45  2729.05  2729.05      .00  2731.65     2.60     5.83      .04  2724.00
    6316.     165.    5982.     170.      26.     453.      28.     117.      46.   2724.50
      .22     6.44    13.20     6.15     .050     .045     .050     .000  2722.60  9969.91
  .015632     370.     370.     370.       20        5        0      .00   101.19 10071.10
```

THIS RUN EXECUTED 2/26/90 15:52: 3

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HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -

****

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

GRAPEVINE WASH

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	2690.000	2480.11	2865.00	4.81	.00	8.52	.00	.00	2865.00	.00	150.73	183.69	.00
*	2690.000	2480.96	4266.00	5.66	.00	8.86	.00	.00	4266.00	.00	200.76	202.55	.00
*	2690.000	2481.43	5004.00	6.13	.00	8.44	.00	.00	5004.00	.00	273.97	225.37	.00
	690.000	2481.97	6316.00	6.67	.00	8.25	.00	.00	6316.00	.00	370.78	244.87	.00
*	110.000	2495.56	2865.00	3.46	5.85	7.02	4.99	45.30	2783.04	36.66	271.63	270.33	15.46
*	110.000	2496.10	4266.00	4.00	6.29	7.62	5.58	67.21	4134.98	63.81	313.22	252.61	15.14
*	110.000	2496.35	5004.00	4.25	6.37	7.78	5.74	78.18	4847.09	78.73	332.55	236.29	14.92
*	110.000	2496.64	6316.00	4.54	6.72	8.56	6.13	95.24	6119.32	101.44	333.95	238.06	14.67
*	190.000	2507.50	2865.00	3.40	2.99	8.49	.00	3.49	2861.51	.00	157.76	247.89	11.93
*	190.000	2508.21	4266.00	4.11	3.89	9.42	.00	11.55	4254.45	.00	169.60	225.74	12.11
*	190.000	2508.54	5004.00	4.44	4.26	9.84	.00	17.36	4986.64	.00	175.04	219.41	12.18
*	190.000	2509.08	6316.00	4.98	4.81	10.43	.00	30.29	6285.71	.00	184.11	208.62	12.44
*	290.000	2523.18	2865.00	4.18	.05	7.97	4.99	.00	2834.25	30.74	195.25	264.11	15.68
*	290.000	2523.85	4266.00	4.85	2.56	8.49	5.78	1.82	4204.43	59.75	240.24	251.86	15.64
*	290.000	2524.22	5004.00	5.22	3.03	8.39	5.94	4.18	4921.92	77.89	268.04	226.73	15.68
*	290.000	2524.61	6316.00	5.61	3.83	8.81	6.79	8.91	6195.64	111.45	325.37	255.05	15.53
*	370.000	2539.80	2865.00	5.90	8.01	7.20	.05	173.25	2691.74	.00	230.19	248.17	16.62
*	370.000	2540.28	4266.00	6.38	8.76	8.32	2.23	224.48	4040.29	1.23	253.24	264.53	16.43
*	370.000	2540.59	5004.00	6.69	8.41	8.48	2.66	238.98	4761.89	3.12	255.36	227.74	16.37
*	370.000	2540.88	6316.00	6.98	8.99	9.53	3.28	280.31	6029.21	6.47	256.49	244.82	16.27
*	490.000	2559.28	2865.00	4.08	.00	8.19	4.51	.00	2841.70	23.30	176.72	254.41	19.48
*	490.000	2559.96	4266.00	4.76	.00	9.01	5.25	.00	4217.26	48.74	195.67	233.97	19.68
*	490.000	2560.24	5004.00	5.04	.05	9.46	5.60	.00	4940.39	63.61	202.81	232.57	19.65
*	490.000	2560.69	6316.00	5.49	1.70	10.18	5.98	.98	6224.41	90.61	206.16	218.83	19.81
*	570.000	2571.49	2865.00	3.89	6.58	7.86	5.49	71.64	2742.67	50.68	201.50	262.74	12.21
*	570.000	2572.08	4266.00	4.48	7.03	8.78	6.12	101.30	4079.81	84.88	219.38	248.71	12.12
*	570.000	2572.37	5004.00	4.77	7.19	9.10	6.37	117.53	4781.30	105.17	228.72	239.12	12.13
*	570.000	2572.83	6316.00	5.23	7.51	9.62	6.80	147.63	6024.32	144.05	245.43	230.85	12.14

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	670.000	2590.04	2865.00	3.84	5.02	6.90	5.58	36.23	2789.88	38.89	270.22	253.04	18.54
*	670.000	2590.47	4266.00	4.27	5.56	8.04	6.02	56.42	4155.25	54.33	271.98	247.89	18.39
*	670.000	2590.70	5004.00	4.50	5.74	8.46	6.14	68.19	4873.07	62.73	272.91	237.77	18.33
*	670.000	2591.04	6316.00	4.84	6.14	9.26	6.47	90.29	6147.27	78.43	274.28	235.78	18.21
*	750.000	2603.05	2865.00	3.85	6.35	7.06	7.16	68.78	2692.68	103.54	271.60	282.87	13.01
*	750.000	2603.56	4266.00	4.36	6.68	7.75	7.40	97.83	4030.67	137.50	299.09	256.09	13.09
*	750.000	2603.79	5004.00	4.59	6.87	8.10	7.57	113.28	4735.38	155.34	309.55	250.31	13.09
*	750.000	2604.13	6316.00	4.93	7.09	8.77	7.74	138.14	5994.55	183.31	311.32	238.36	13.09
*	810.000	2613.67	2865.00	3.67	5.23	6.67	2.27	28.37	2835.54	1.09	297.43	259.50	10.61
*	810.000	2614.12	4266.00	4.12	5.46	7.57	2.93	39.76	4222.68	3.56	298.78	232.03	10.56
*	810.000	2614.25	5004.00	4.25	5.88	8.31	3.29	46.29	4952.80	4.91	299.17	256.01	10.46
*	810.000	2614.60	6316.00	4.60	6.10	8.96	3.73	58.03	6249.23	8.74	300.18	242.25	10.47
*	900.000	2629.31	2865.00	3.81	7.06	7.27	.00	87.76	2777.24	.00	257.75	291.11	15.64
*	900.000	2629.81	4266.00	4.31	7.29	8.12	.00	116.06	4149.94	.00	271.54	263.11	15.69
*	900.000	2630.04	5004.00	4.54	7.44	8.52	.05	131.24	4872.76	.00	277.29	255.43	15.78
*	900.000	2630.41	6316.00	4.91	7.58	9.17	1.58	156.47	6158.07	1.47	282.08	239.19	15.81
*	1000.000	2647.99	2865.00	3.49	5.80	7.44	3.49	42.14	2814.46	8.40	241.09	266.15	18.68
*	1000.000	2648.52	4266.00	4.02	5.95	8.33	4.07	59.00	4187.39	19.61	243.41	228.26	18.72
*	1000.000	2648.73	5004.00	4.23	6.20	8.90	4.39	68.58	4909.09	26.33	244.31	230.19	18.70
	000.000	2649.14	6316.00	4.64	6.43	9.59	4.81	86.31	6188.37	41.31	246.05	217.33	18.73
*	1090.000	2663.81	2865.00	4.61	1.82	7.19	.00	.50	2864.50	.00	256.95	264.06	15.82
*	1090.000	2664.36	4266.00	5.16	2.87	7.75	.00	3.32	4262.68	.00	306.49	250.86	15.83
*	1090.000	2664.57	5004.00	5.37	3.24	8.08	.05	5.45	4998.55	.00	321.75	248.82	15.84
*	1090.000	2664.92	6316.00	5.72	3.72	8.62	1.58	10.15	6305.35	.50	336.67	238.65	15.78
*	1190.000	2682.75	2865.00	4.85	4.08	6.87	.00	12.60	2852.40	.00	286.49	260.92	18.93
*	1190.000	2683.21	4266.00	5.31	5.04	7.47	.05	24.79	4241.20	.00	375.99	291.76	18.85
*	1190.000	2683.40	5004.00	5.50	5.19	7.78	1.44	30.16	4973.70	.14	383.84	277.34	18.82
*	1190.000	2683.70	6316.00	5.80	5.45	8.32	1.92	40.09	6275.41	.50	392.51	261.00	18.78
*	1270.000	2700.76	2865.00	3.96	4.85	9.26	6.03	25.24	2768.63	71.13	125.55	225.97	18.01
*	1270.000	2701.55	4266.00	4.75	5.40	10.51	6.55	45.19	4105.22	115.59	127.98	203.81	18.35
*	1270.000	2701.92	5004.00	5.12	5.66	11.09	6.80	57.21	4805.28	141.51	129.11	197.31	18.53
*	1270.000	2702.54	6316.00	5.74	6.05	11.97	7.20	81.04	6043.24	191.72	131.01	187.39	18.85
*	1360.000	2715.00	2865.00	4.30	5.52	10.17	4.22	49.99	2783.96	31.05	95.89	200.02	14.25
*	1360.000	2715.98	4266.00	5.28	6.00	11.51	5.17	81.82	4102.76	81.42	100.08	180.12	14.43
*	1360.000	2716.45	5004.00	5.75	6.22	12.09	5.56	100.46	4787.36	116.18	102.09	172.60	14.53
*	1360.000	2717.25	6316.00	6.55	6.51	12.89	6.33	136.57	5980.72	198.71	105.09	158.79	14.71
*	1430.000	2726.76	2865.00	4.16	4.70	10.32	4.24	35.67	2800.69	28.64	90.51	188.88	11.75
*	1430.000	2727.77	4266.00	5.17	5.52	11.70	5.18	78.51	4113.92	73.57	95.23	172.11	11.79
*	1430.000	2728.22	5004.00	5.62	5.91	12.39	5.60	105.29	4795.70	103.00	97.33	169.65	11.77
*	1430.000	2729.05	6316.00	6.45	6.44	13.20	6.15	164.63	5981.81	169.56	101.19	156.32	11.80

PEVINE WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	2690.000	.00	.00	.00	2475.30	2865.00	2480.11	2480.11	2481.23	183.69	8.52	336.42	211.39
*	2690.000	.00	.00	.00	2475.30	4266.00	2480.96	2480.96	2482.18	202.55	8.86	481.50	299.74
*	2690.000	.00	.00	.00	2475.30	5004.00	2481.43	2481.43	2482.54	225.37	8.44	592.58	333.33
*	2690.000	.00	.00	.00	2475.30	6316.00	2481.97	2481.97	2483.03	244.87	8.25	765.99	403.62
*	110.000	580.00	.00	.00	2492.10	2865.00	2495.56	2495.56	2496.32	270.33	7.02	411.30	174.25
*	110.000	580.00	.00	.00	2492.10	4266.00	2496.10	2496.10	2496.99	252.61	7.62	564.41	268.41
*	110.000	580.00	.00	.00	2492.10	5004.00	2496.35	2496.35	2497.28	236.29	7.78	649.05	325.53
*	110.000	580.00	.00	.00	2492.10	6316.00	2496.64	2496.64	2497.77	238.06	8.56	745.71	409.35
*	190.000	420.00	.00	.00	2504.10	2865.00	2507.50	2507.50	2508.61	247.89	8.49	338.34	181.97
*	190.000	420.00	.00	.00	2504.10	4266.00	2508.21	2508.21	2509.58	225.74	9.42	454.71	283.93
*	190.000	420.00	.00	.00	2504.10	5004.00	2508.54	2508.54	2510.03	219.41	9.84	511.09	337.82
*	190.000	420.00	.00	.00	2504.10	6316.00	2509.08	2509.08	2510.76	208.62	10.43	608.85	437.28
*	290.000	530.00	.00	.00	2519.00	2865.00	2523.18	2523.18	2524.16	264.11	7.97	361.85	176.29
*	290.000	530.00	.00	.00	2519.00	4266.00	2523.85	2523.85	2524.96	251.86	8.49	506.40	268.81
*	290.000	530.00	.00	.00	2519.00	5004.00	2524.22	2524.22	2525.30	226.73	8.39	601.09	332.32
*	290.000	530.00	.00	.00	2519.00	6316.00	2524.61	2524.61	2525.81	255.05	8.81	721.63	395.48
*	370.000	420.00	.00	.00	2533.90	2865.00	2539.80	2539.80	2540.62	248.17	7.20	395.65	181.87
*	370.000	420.00	.00	.00	2533.90	4266.00	2540.28	2540.28	2541.36	264.53	8.32	511.68	262.29
*	370.000	420.00	.00	.00	2533.90	5004.00	2540.59	2540.59	2541.71	227.74	8.48	590.84	331.58
*	370.000	420.00	.00	.00	2533.90	6316.00	2540.88	2540.88	2542.29	244.82	9.53	665.88	403.66
*	490.000	630.00	.00	.00	2555.20	2865.00	2559.28	2559.28	2560.32	254.41	8.19	352.07	179.62
*	490.000	630.00	.00	.00	2555.20	4266.00	2559.96	2559.96	2561.21	233.97	9.01	477.48	278.90
*	490.000	630.00	.00	.00	2555.20	5004.00	2560.24	2560.24	2561.62	232.57	9.46	533.81	328.13
*	490.000	630.00	.00	.00	2555.20	6316.00	2560.69	2560.69	2562.29	218.83	10.18	626.92	426.96
*	570.000	420.00	.00	.00	2567.60	2865.00	2571.49	2571.49	2572.44	262.74	7.86	369.17	176.75
*	570.000	420.00	.00	.00	2567.60	4266.00	2572.08	2572.08	2573.25	248.71	8.78	493.04	270.51
*	570.000	420.00	.00	.00	2567.60	5004.00	2572.37	2572.37	2573.63	239.12	9.10	558.24	323.60
*	570.000	420.00	.00	.00	2567.60	6316.00	2572.83	2572.83	2574.24	230.85	9.62	667.35	415.70
*	670.000	530.00	.00	.00	2586.20	2865.00	2590.04	2590.04	2590.77	253.04	6.90	418.61	180.11
*	670.000	530.00	.00	.00	2586.20	4266.00	2590.47	2590.47	2591.46	247.89	8.04	535.96	270.95
*	670.000	530.00	.00	.00	2586.20	5004.00	2590.70	2590.70	2591.79	237.77	8.46	597.89	324.52
*	670.000	530.00	.00	.00	2586.20	6316.00	2591.04	2591.04	2592.35	235.78	9.26	690.40	411.33
*	750.000	420.00	.00	.00	2599.20	2865.00	2603.05	2603.05	2603.82	282.87	7.06	406.87	170.35
*	750.000	420.00	.00	.00	2599.20	4266.00	2603.56	2603.56	2604.49	256.09	7.75	553.23	266.58
*	750.000	420.00	.00	.00	2599.20	5004.00	2603.79	2603.79	2604.80	250.31	8.10	621.47	316.28
*	750.000	420.00	.00	.00	2599.20	6316.00	2604.13	2604.13	2605.30	238.36	8.77	726.73	409.10

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	810.000	320.00	.00	.00	2610.00	2865.00	2613.67	2613.67	2614.35	259.50	6.67	430.92	177.85
*	810.000	320.00	.00	.00	2610.00	4266.00	2614.12	2614.12	2615.01	232.03	7.57	566.65	280.06
*	810.000	320.00	.00	.00	2610.00	5004.00	2614.25	2614.25	2615.32	256.01	8.31	605.70	312.74
*	810.000	320.00	.00	.00	2610.00	6316.00	2614.60	2614.60	2615.84	242.25	8.96	708.94	405.80
*	900.000	480.00	.00	.00	2625.50	2865.00	2629.31	2629.31	2630.13	291.11	7.27	394.50	167.92
*	900.000	480.00	.00	.00	2625.50	4266.00	2629.81	2629.81	2630.83	263.11	8.12	527.21	263.00
*	900.000	480.00	.00	.00	2625.50	5004.00	2630.04	2630.04	2631.16	255.43	8.52	589.91	313.10
*	900.000	480.00	.00	.00	2625.50	6316.00	2630.41	2630.41	2631.70	239.19	9.17	693.22	408.39
*	1000.000	530.00	.00	.00	2644.50	2865.00	2647.99	2647.99	2648.84	266.15	7.44	387.99	175.62
*	1000.000	530.00	.00	.00	2644.50	4266.00	2648.52	2648.52	2649.59	228.26	8.33	517.51	282.36
*	1000.000	530.00	.00	.00	2644.50	5004.00	2648.73	2648.73	2649.95	230.19	8.90	568.77	329.82
*	1000.000	530.00	.00	.00	2644.50	6316.00	2649.14	2649.14	2650.55	217.33	9.59	667.00	428.43
*	1090.000	480.00	.00	.00	2659.20	2865.00	2663.81	2663.81	2664.62	264.06	7.19	398.56	176.31
*	1090.000	480.00	.00	.00	2659.20	4266.00	2664.36	2664.36	2665.29	250.86	7.75	551.36	269.34
*	1090.000	480.00	.00	.00	2659.20	5004.00	2664.57	2664.57	2665.59	248.82	8.08	619.98	317.23
*	1090.000	480.00	.00	.00	2659.20	6316.00	2664.92	2664.92	2666.07	238.65	8.62	734.27	408.84
*	1190.000	530.00	.00	.00	2677.90	2865.00	2682.75	2682.75	2683.48	260.92	6.87	418.19	177.37
*	1190.000	530.00	.00	.00	2677.90	4266.00	2683.21	2683.21	2684.07	291.76	7.47	572.60	249.75
*	1190.000	530.00	.00	.00	2677.90	5004.00	2683.40	2683.40	2684.33	277.34	7.78	645.04	300.48
	190.000	530.00	.00	.00	2677.90	6316.00	2683.70	2683.70	2684.77	261.00	8.32	762.08	390.95
*	1270.000	420.00	.00	.00	2696.80	2865.00	2700.76	2700.76	2702.06	225.97	9.26	315.90	190.59
*	1270.000	420.00	.00	.00	2696.80	4266.00	2701.55	2701.55	2703.23	203.81	10.51	416.51	298.82
*	1270.000	420.00	.00	.00	2696.80	5004.00	2701.92	2701.92	2703.78	197.31	11.09	464.28	356.24
*	1270.000	420.00	.00	.00	2696.80	6316.00	2702.54	2702.54	2704.70	187.39	11.97	545.03	461.38
*	1360.000	480.00	.00	.00	2710.70	2865.00	2715.00	2715.00	2716.58	200.02	10.17	290.14	202.58
*	1360.000	480.00	.00	.00	2710.70	4266.00	2715.98	2715.98	2717.98	180.12	11.51	385.85	317.86
*	1360.000	480.00	.00	.00	2710.70	5004.00	2716.45	2716.45	2718.64	172.60	12.09	433.14	380.89
*	1360.000	480.00	.00	.00	2710.70	6316.00	2717.25	2717.25	2719.73	158.79	12.89	516.50	501.22
*	1430.000	370.00	.00	.00	2722.60	2865.00	2726.76	2726.76	2728.38	188.88	10.32	285.83	208.46
*	1430.000	370.00	.00	.00	2722.60	4266.00	2727.77	2727.77	2729.84	172.11	11.70	380.01	325.18
*	1430.000	370.00	.00	.00	2722.60	5004.00	2728.22	2728.22	2730.53	169.65	12.39	423.34	384.18
*	1430.000	370.00	.00	.00	2722.60	6316.00	2729.05	2729.05	2731.65	156.32	13.20	506.12	505.17

PEVINE WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	2690.000	2865.00	2480.11	.00	.00	-.08	150.73	.00
*	2690.000	4266.00	2480.96	.85	.00	-.00	200.76	.00
*	2690.000	5004.00	2481.43	.47	.00	.00	273.97	.00
*	2690.000	6316.00	2481.97	.54	.00	-.01	370.78	.00
*	110.000	2865.00	2495.56	.00	15.46	.00	271.63	580.00
*	110.000	4266.00	2496.10	.53	15.14	.00	313.22	580.00
*	110.000	5004.00	2496.35	.26	14.92	.00	332.55	580.00
*	110.000	6316.00	2496.64	.29	14.67	.00	333.95	580.00
*	190.000	2865.00	2507.50	.00	11.93	.00	157.76	420.00
*	190.000	4266.00	2508.21	.71	12.11	.00	169.60	420.00
*	190.000	5004.00	2508.54	.33	12.18	.00	175.04	420.00
*	190.000	6316.00	2509.08	.54	12.44	.00	184.11	420.00
*	290.000	2865.00	2523.18	.00	15.68	.00	195.25	530.00
*	290.000	4266.00	2523.85	.67	15.64	.00	240.24	530.00
*	290.000	5004.00	2524.22	.37	15.68	.00	268.04	530.00
*	290.000	6316.00	2524.61	.39	15.53	.00	325.37	530.00
*	370.000	2865.00	2539.80	.00	16.62	.00	230.19	420.00
*	370.000	4266.00	2540.28	.48	16.43	.00	253.24	420.00
*	370.000	5004.00	2540.59	.31	16.37	.00	255.36	420.00
*	370.000	6316.00	2540.88	.29	16.27	.00	256.49	420.00
*	490.000	2865.00	2559.28	.00	19.48	.00	176.72	630.00
*	490.000	4266.00	2559.96	.67	19.68	.00	195.67	630.00
*	490.000	5004.00	2560.24	.28	19.65	.00	202.81	630.00
*	490.000	6316.00	2560.69	.46	19.81	.00	206.16	630.00
*	570.000	2865.00	2571.49	.00	12.21	.00	201.50	420.00
*	570.000	4266.00	2572.08	.59	12.12	.00	219.38	420.00
*	570.000	5004.00	2572.37	.29	12.13	.00	228.72	420.00
*	570.000	6316.00	2572.83	.46	12.14	.00	245.43	420.00
*	670.000	2865.00	2590.04	.00	18.54	.00	270.22	530.00
*	670.000	4266.00	2590.47	.43	18.39	.00	271.98	530.00
*	670.000	5004.00	2590.70	.23	18.33	.00	272.91	530.00
*	670.000	6316.00	2591.04	.34	18.21	.00	274.28	530.00
*	750.000	2865.00	2603.05	.00	13.01	.00	271.60	420.00
*	750.000	4266.00	2603.56	.51	13.09	.00	299.09	420.00
*	750.000	5004.00	2603.79	.22	13.09	.00	309.55	420.00
*	750.000	6316.00	2604.13	.34	13.09	.00	311.32	420.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	810.000	2865.00	2613.67	.00	10.61	.00	297.43	320.00
*	810.000	4266.00	2614.12	.46	10.56	.00	298.78	320.00
*	810.000	5004.00	2614.25	.13	10.46	.00	299.17	320.00
*	810.000	6316.00	2614.60	.34	10.47	.00	300.18	320.00
*	900.000	2865.00	2629.31	.00	15.64	.00	257.75	480.00
*	900.000	4266.00	2629.81	.50	15.69	.00	271.54	480.00
*	900.000	5004.00	2630.04	.23	15.78	.00	277.29	480.00
*	900.000	6316.00	2630.41	.37	15.81	.00	282.08	480.00
*	1000.000	2865.00	2647.99	.00	18.68	.00	241.09	530.00
*	1000.000	4266.00	2648.52	.53	18.72	.00	243.41	530.00
*	1000.000	5004.00	2648.73	.21	18.70	.00	244.31	530.00
*	1000.000	6316.00	2649.14	.40	18.73	.00	246.05	530.00
*	1090.000	2865.00	2663.81	.00	15.82	.00	256.95	480.00
*	1090.000	4266.00	2664.36	.54	15.83	.00	306.49	480.00
*	1090.000	5004.00	2664.57	.22	15.84	.00	321.75	480.00
*	1090.000	6316.00	2664.92	.35	15.78	.00	336.67	480.00
*	1190.000	2865.00	2682.75	.00	18.93	.00	286.49	530.00
*	1190.000	4266.00	2683.21	.46	18.85	.00	375.99	530.00
*	1190.000	5004.00	2683.40	.19	18.82	.00	383.84	530.00
	190.000	6316.00	2683.70	.30	18.78	.00	392.51	530.00
*	1270.000	2865.00	2700.76	.00	18.01	.00	125.55	420.00
*	1270.000	4266.00	2701.55	.79	18.35	.00	127.98	420.00
*	1270.000	5004.00	2701.92	.37	18.53	.00	129.11	420.00
*	1270.000	6316.00	2702.54	.62	18.85	.00	131.01	420.00
*	1360.000	2865.00	2715.00	.00	14.25	.00	95.89	480.00
*	1360.000	4266.00	2715.98	.98	14.43	.00	100.08	480.00
*	1360.000	5004.00	2716.45	.47	14.53	.00	102.09	480.00
*	1360.000	6316.00	2717.25	.80	14.71	.00	105.09	480.00
*	1430.000	2865.00	2726.76	.00	11.75	.00	90.51	370.00
*	1430.000	4266.00	2727.77	1.01	11.79	.00	95.23	370.00
*	1430.000	5004.00	2728.22	.45	11.77	.00	97.33	370.00
*	1430.000	6316.00	2729.05	.83	11.80	.00	101.19	370.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   2690.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2690.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2690.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2690.000  PROFILE=  4  CRITICAL DEPTH ASSUMED

CAUTION SECNO=    110.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    110.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    110.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    110.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    190.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    190.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    190.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    190.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    290.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    290.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    290.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    290.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    290.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    290.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    290.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    290.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    370.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    370.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    370.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    370.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    370.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    490.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    490.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    490.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    490.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    490.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    490.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    490.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    490.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    570.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    570.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    570.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    570.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    570.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    570.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    670.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    670.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    670.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    670.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    670.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    670.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    750.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    750.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    750.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    750.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    810.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    810.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    810.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    810.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    810.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    900.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    900.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    900.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    900.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    900.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    900.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    900.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    900.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    900.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   1000.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1000.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1000.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1000.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1000.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1000.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1000.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1190.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1190.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   1190.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1190.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1190.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   1270.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1270.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1270.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1270.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1270.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1270.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1270.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1270.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   1360.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1360.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1360.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1360.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1360.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1360.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1360.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1360.000  PROFILE=  4  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=   1430.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1430.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1430.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1430.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1430.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   1430.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1430.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1430.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   1430.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   1430.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1430.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

Stop - Program terminated.

Stop - Program terminated.
```

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     3/16/90    TIME     7:24:48         *
*****************************************************
```

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*************************************
*  U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*  609 SECOND STREET, SUITE D
*  DAVIS, CALIFORNIA 95616-4687
*            (916) 756-1104
*************************************
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X    X            X     X
X     X  X        X                      X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                   X
X     X  X        X    X              X
X     X  XXXXXXX   XXXXX              XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 3/16/90 7:24:48

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**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
**************************************************


T1        FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2        100-YR FLOOD FREQUENCY MODEL  (NATURAL CONDITIONS)
T3        GRAPEVINE WASH         (GR.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                                                                  2481.43

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                 -1


    VARIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26         8        42        39         1        34         4        53
    21        22        54         0        38        43         1        50        51        27
    21        22        28         5         3        61       200

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10       -10

QT       2      5004      5004
NC     .05       .05      .046        .1        .3
NH       5       .05    9673.3       .04    9700.3       .05    9924.9      .035   10020.2       .05
NH   10070
ET                         9.1                                                          9664.0   10053.0
         THIS ENCROACHMENT MODEL IS BASED ON 100-YEAR NATURAL CONDITIONS.
         REFER TO FILE GR.OUT (CH2M HILL, 1990)

X1    2690        21    9611.9     10069
GR  2502.5    9566.6    2490.1    9589.5    2484.2    9611.9    2483.8    9630.6    2482.5    9656.7
GR  2480.8    9673.3    2481.2    9700.3    2481.4    9700.3    2481.2    9722.8    2482.1    9755.8
GR  2481.5    9839.0    2479.9    9901.0    2478.5    9924.9    2477.1    9979.4    2475.6    9988.7
GR  2475.3   10000.0    2475.9   10013.0    2478.6   10020.2    2479.6   10040.7    2484.4     10069
GR    2495     10070
```

RC	.05	.05	.046							
ET			4.1	9924.5	10241.4					
X1	110	21	9924.5	10241.1	580	580	580			
GR	2510.0	9895.6	2492.5	9924.5	2492.5	9926.0	2492.5	9934.2	2492.5	9938.0
GR	2492.5	9945.9	2493.3	9954.1	2496.1	9965.2	2495.3	9973.5	2492.1	10009.1
GR	2494.6	10032.6	2496.0	10058.7	2496.2	10090.5	2494.3	10118.7	2493.7	10133.4
GR	2494.4	10155.0	2494.4	10182.8	2494.6	10222.7	2493.4	10241.4	2501.0	10265.3
GR	2508.1	10280.8								
ET			9.1						9915.4	10089.0
X1	190	12	9915.4	10116.3	390	390	420			
GR	2522.0	9889.8	2506.3	9915.4	2504.4	9934.4	2507.0	9954.2	2504.1	9973.5
GR	2505.0	9997.6	2505.0	10000.0	2504.1	10020.2	2510.5	10116.3	2511.1	10246.6
GR	2516.8	10265.6	2526.7	10284.5						
ET			4.1	9852.3	10171.5					
X1	290	18	9852.3	10171.5	500	480	530			
GR	2540.6	9824.2	2522.9	9852.3	2519.3	9865.7	2519.0	9877.4	2520.7	9910.9
GR	2522.7	9949.3	2521.9	9963.3	2521.9	9975.7	2525.0	10000.0	2524.8	10000.4
GR	2523.3	10016.0	2524.4	10048.8	2524.3	10090.1	2522.6	10128.5	2520.8	10158.5
GR	2520.9	10171.5	2528.5	10189.6	2541.1	10206.0				
ET			4.1	9972.5	10216.3					
X1	370	16	9972.5	10216.3	430	450	420			
[illegible]	2560.5	9927.7	2553.6	9940.3	2543.5	9959.0	2534.4	9972.5	2533.9	9978.6
[illegible]	2534.7	10000.0	2534.7	10008.6	2537.8	10022.2	2539.8	10062.0	2539.7	10066.7
GR	2539.2	10122.0	2540.3	10153.7	2537.5	10196.3	2539.6	10216.3	2547.4	10235.0
GR	2555.7	10264.1								
ET			4.1	9823.9	10018.8					
X1	490	15	9823.9	10018.8	620	600	630			
GR	2578.5	9760.6	2564.1	9805.5	2560.2	9823.9	2558.8	9859.6	2556.3	9885.8
GR	2557.7	9919.2	2558.3	9952.9	2556.5	9983.9	2555.2	9996.9	2555.8	10000.0
GR	2555.9	10018.6	2557.3	10018.8	2564.9	10038.8	2574.1	10073.6	2575.9	10081.6
ET			4.1	9815.5	10069.5					
X1	570	13	9815.5	10069.5	420	420	420			
GR	2588.9	9784.9	2567.6	9815.5	2567.6	9824.9	2567.6	9835.1	2570.7	9894.7
GR	2570.2	9905.0	2573.1	9962.7	2573.5	9976.0	2572.2	9991.9	2568.3	10000.0
GR	2571.6	10029.0	2568.9	10069.5	2582.2	10106.0				
ET			4.1	9756.5	10016.1					
X1	670	15	9756.5	10016.1	540	520	530			
GR	2620.7	9696.6	2593.6	9740.9	2587.7	9756.5	2589.1	9779.1	2589.5	9798.7
GR	2589.6	9867.1	2589.1	9922.8	2586.2	9975.0	2586.2	9980.3	2586.2	10000.0
GR	2586.3	10015.6	2586.9	10016.1	2600.1	10034.8	2617.2	10067.4	2622.9	10076.9
ET			4.1	9899.2	10191.7					
X1	750	15	9899.2	10191.7	370	400	420			
GR	2618.8	9858.0	2599.9	9899.2	2600.7	9916.6	2600.8	9967.5	2601.2	9972.8
[illegible]	2601.4	10000.0	2602.5	10024.0	2602.6	10069.4	2603.7	10075.4	2600.8	10109.8
[illegible]	2603.8	10143.0	2602.5	10170.4	2599.2	10191.7	2607.2	10207.3	2619.0	10228.3

ET			4.1	9875.6	10168.0					
X1	810	15	9875.6	10168.0	320	300	320			
GR	2629.8	9850.5	2610.8	9875.6	2611.8	9896.1	2610.7	9916.0	2613.0	9942.0
GR	2613.2	9982.7	2613.3	10000.0	2612.8	10018.7	2610.0	10066.0	2612.3	10084.0
GR	2612.5	10116.5	2612.9	10149.2	2612.9	10168.0	2627.0	10191.0	2640.1	10214.2
ET			4.1	9930.8	10199.9					
X1	900	17	9930.8	10199.9	480	480	480			
GR	2651.1	9886.9	2625.5	9930.8	2628.1	9959.8	2627.8	9973.8	2627.5	9999.5
GR	2628.1	10000.0	2628.2	10017.7	2628.6	10030.0	2626.2	10070.1	2629.0	10105.6
GR	2628.4	10137.8	2626.1	10153.4	2628.6	10163.8	2630.0	10199.9	2631.6	10217.9
GR	2647.7	10245.2	2652.0	10252.3						
NC	.05	.05	.045							
ET			4.1	9979.8	10212.6					
X1	1000	14	9979.8	10212.6	550	530	530			
GR	2668.1	9946.5	2644.8	9979.8	2645.1	9981.0	2645.6	10000.0	2645.5	10016.2
GR	2647.1	10068.6	2646.3	10092.3	2644.5	10115.4	2647.0	10135.6	2647.5	10187.3
GR	2646.7	10212.6	2650.5	10223.6	2664.0	10246.0	2671.6	10257.4		
ET			4.1	9819.4	10157.9					
X1	1090	18	9819.4	10157.9	440	430	480			
GR	2680.2	9784.3	2663.3	9819.4	2663.6	9825.9	2661.3	9851.8	2659.2	9874.3
GR	2662.5	9895.5	2664.5	9925.0	2661.5	9973.9	2661.1	9996.7	2661.7	10000.0
	2661.7	10021.9	2665.1	10051.0	2664.3	10074.0	2663.1	10118.6	2662.8	10135.1
	2664.5	10157.9	2672.3	10185.9	2684.7	10199.3				
ET			4.1	9811.3	10197.7					
X1	1190	16	9811.3	10197.7	510	520	530			
GR	2702.2	9768.4	2681.0	9811.3	2677.9	9825.0	2679.2	9838.5	2681.8	9915.1
GR	2682.6	9960.2	2681.0	9978.0	2680.7	9987.0	2679.9	10000.0	2681.2	10017.0
GR	2683.6	10022.4	2682.4	10065.7	2683.2	10106.5	2682.5	10155.1	2682.9	10197.7
GR	2698.1	10210.1								
ET			4.1	9973.6	10089.0					
X1	1270	13	9973.6	10089.0	460	450	420			
GR	2721.6	9938.8	2705.7	9964.2	2697.8	9973.6	2698.1	9985.9	2697.6	9999.6
GR	2699.3	10000.0	2698.7	10012.8	2697.5	10053.2	2699.7	10062.4	2696.8	10083.2
GR	2697.2	10089.0	2709.8	10112.5	2717.3	10126.2				
ET			4.1	9935.0	10019.7					
X1	1360	9	9935.0	10019.7	490	470	480			
GR	2737.3	9909.0	2710.7	9935.0	2712.0	9965.2	2712.9	9990.8	2711.3	10000.0
GR	2711.0	10013.8	2712.9	10019.7	2717.0	10033.3	2732.2	10056.2		
ET			4.1	9980.0	10059.0					
X1	1430	10	9980.0	10059.0	370	370	370			
GR	2740.0	9950.0	2735.0	9960.0	2729.0	9970.0	2724.0	9980.0	2723.5	9990.0
GR	2722.6	10000.0	2722.6	10020.0	2722.8	10020.1	2724.5	10059.0	2731.5	10077.6

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T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      100-YR FLOOD FREQUENCY MODEL, ENCROACHMENT METHOD 4
T3      GRAPEVINE WASH          (GR.MCE)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                                                      2482.43

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    15                 -1
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THIS RUN EXECUTED 3/16/90 7:25:17

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

GRAPEVINE WASH

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	2690.000	5004.00	8.44	6.13	2475.30	.00	2481.43	333.33	273.97	9667.14	9611.90	10069.00	10051.50
	2690.000	5004.00	5.32	7.13	2475.30	.00	2482.43	547.33	389.00	9664.00	9611.90	10069.00	10053.00
	110.000	5004.00	7.76	4.25	2492.10	580.00	2496.35	323.48	332.55	9918.14	9924.50	10222.70	10250.68
	110.000	5004.00	8.16	4.23	2492.10	580.00	2496.33	302.20	316.90	9924.50	9924.50	10222.70	10241.40
*	190.000	5004.00	9.83	4.44	2504.10	420.00	2508.54	338.20	175.08	9911.75	9915.40	10116.30	10086.83
*	190.000	5004.00	9.85	4.44	2504.10	420.00	2508.54	334.95	171.51	9915.40	9915.40	10116.30	10086.91
*	290.000	5004.00	8.39	5.22	2519.00	530.00	2524.22	332.50	268.11	9850.21	9852.30	10171.50	10179.40
*	290.000	5004.00	8.38	5.26	2519.00	530.00	2524.26	330.14	260.85	9852.30	9852.30	10171.50	10171.50
*	370.000	5004.00	8.49	6.69	2533.90	420.00	2540.59	331.47	255.35	9963.32	9972.50	10216.30	10218.67
*	370.000	5004.00	8.57	6.78	2533.90	420.00	2540.68	330.69	243.80	9972.50	9972.50	10216.30	10216.30
*	490.000	5004.00	9.46	5.04	2555.20	630.00	2560.24	328.13	202.81	9823.72	9823.90	10018.80	10026.53
*	490.000	5004.00	9.52	5.06	2555.20	630.00	2560.26	324.19	194.90	9823.90	9823.90	10018.80	10018.80
*	570.000	5004.00	9.10	4.77	2567.60	420.00	2572.37	323.60	228.72	9808.65	9815.50	10069.50	10079.02
*	570.000	5004.00	9.06	4.90	2567.60	420.00	2572.50	323.63	216.40	9815.50	9815.50	10069.50	10069.50
*	670.000	5004.00	8.46	4.50	2586.20	530.00	2590.70	324.52	272.91	9748.57	9756.50	10016.10	10021.48
*	670.000	5004.00	8.66	4.51	2586.20	530.00	2590.71	312.39	259.60	9756.50	9756.50	10016.10	10016.10
*	750.000	5004.00	8.10	4.59	2599.20	420.00	2603.79	316.28	309.55	9890.72	9899.20	10191.70	10200.65
*	750.000	5004.00	8.36	4.64	2599.20	420.00	2603.84	304.98	292.50	9899.20	9899.20	10191.70	10191.70
*	810.000	5004.00	8.31	4.25	2610.00	320.00	2614.25	312.74	299.17	9871.04	9875.60	10168.00	10170.21
*	810.000	5004.00	8.33	4.27	2610.00	320.00	2614.27	309.86	292.40	9875.60	9875.60	10168.00	10168.00
*	900.000	5004.00	8.52	4.54	2625.50	480.00	2630.04	313.10	277.29	9923.02	9930.80	10199.90	10200.31
*	900.000	5004.00	8.55	4.59	2625.50	480.00	2630.09	313.11	269.10	9930.80	9930.80	10199.90	10199.90

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	1000.000	5004.00	8.90	4.23	2644.50	530.00	2648.73	329.82	244.31	9974.18	9979.80	10212.60	10218.49
*	1000.000	5004.00	8.96	4.26	2644.50	530.00	2648.76	324.84	232.80	9979.80	9979.80	10212.60	10212.60
*	1090.000	5004.00	8.08	5.37	2659.20	480.00	2664.57	317.23	321.75	9816.76	9819.40	10157.90	10158.16
*	1090.000	5004.00	8.11	5.37	2659.20	480.00	2664.57	314.74	318.65	9819.40	9819.40	10157.90	10157.90
*	1190.000	5004.00	7.78	5.50	2677.90	530.00	2683.40	300.48	383.84	9806.45	9811.30	10197.70	10198.11
*	1190.000	5004.00	7.80	5.50	2677.90	530.00	2683.40	298.62	378.79	9811.30	9811.30	10197.70	10197.70
*	1270.000	5004.00	11.09	5.12	2696.80	420.00	2701.92	356.24	129.11	9968.69	9973.60	10089.00	10097.81
*	1270.000	5004.00	11.25	5.22	2696.80	420.00	2702.02	340.15	115.40	9973.60	9973.60	10089.00	10089.00
*	1360.000	5004.00	12.09	5.75	2710.70	480.00	2716.45	380.89	102.09	9929.38	9935.00	10019.70	10031.47
*	1360.000	5004.00	12.43	5.83	2710.70	480.00	2716.53	349.24	84.70	9935.00	9935.00	10019.70	10019.70
*	1430.000	5004.00	12.39	5.62	2722.60	370.00	2728.22	384.18	97.33	9971.56	9980.00	10059.00	10068.88
*	1430.000	5004.00	12.71	5.70	2722.60	370.00	2728.30	354.88	79.00	9980.00	9980.00	10059.00	10059.00

PEVINE WASH

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	2690.000	5004.00	2481.43	.00	.00	.00	9611.90	10069.00	.00	225.37	2482.54	.00
	2690.000	5004.00	2482.43	1.00	.00	9664.00	9611.90	10069.00	10053.00	83.59	2482.87	.33
*	110.000	5004.00	2496.35	.00	14.92	.00	9924.50	10222.70	.00	239.30	2497.28	.00
*	110.000	5004.00	2496.33	-.02	13.90	9924.50	9924.50	10222.70	10241.40	274.18	2497.36	.08
*	190.000	5004.00	2508.54	.00	12.19	.00	9915.40	10116.30	.00	218.92	2510.03	.00
*	190.000	5004.00	2508.54	.00	12.22	9915.40	9915.40	10116.30	10089.00	223.19	2510.05	.01
*	290.000	5004.00	2524.22	.00	15.68	.00	9852.30	10171.50	.00	226.49	2525.30	.00
*	290.000	5004.00	2524.26	.04	15.72	9852.30	9852.30	10171.50	10171.50	229.74	2525.35	.05
*	370.000	5004.00	2540.59	.00	16.37	.00	9972.50	10216.30	.00	227.90	2541.71	.00
*	370.000	5004.00	2540.68	.09	16.43	9972.50	9972.50	10216.30	10216.30	228.97	2541.82	.12
*	490.000	5004.00	2560.24	.00	19.65	.00	9823.90	10018.80	.00	232.57	2561.62	.00
*	490.000	5004.00	2560.26	.02	19.57	9823.90	9823.90	10018.80	10018.80	238.24	2561.66	.05
	570.000	5004.00	2572.37	.00	12.13	.00	9815.50	10069.50	.00	239.12	2573.63	.00
	570.000	5004.00	2572.50	.13	12.24	9815.50	9815.50	10069.50	10069.50	239.07	2573.77	.14
*	670.000	5004.00	2590.70	.00	18.33	.00	9756.50	10016.10	.00	237.77	2591.79	.00
*	670.000	5004.00	2590.71	.01	18.21	9756.50	9756.50	10016.10	10016.10	256.59	2591.87	.07
*	750.000	5004.00	2603.79	.00	13.09	.00	9899.20	10191.70	.00	250.31	2604.80	.00
*	750.000	5004.00	2603.84	.05	13.13	9899.20	9899.20	10191.70	10191.70	269.21	2604.92	.12
*	810.000	5004.00	2614.25	.00	10.46	.00	9875.60	10168.00	.00	256.01	2615.32	.00
*	810.000	5004.00	2614.27	.01	10.43	9875.60	9875.60	10168.00	10168.00	260.80	2615.34	.03
*	900.000	5004.00	2630.04	.00	15.78	.00	9930.80	10199.90	.00	255.43	2631.16	.00
*	900.000	5004.00	2630.09	.05	15.82	9930.80	9930.80	10199.90	10199.90	255.42	2631.22	.06
*	1000.000	5004.00	2648.73	.00	18.70	.00	9979.80	10212.60	.00	230.19	2649.95	.00
*	1000.000	5004.00	2648.76	.03	18.68	9979.80	9979.80	10212.60	10212.60	237.29	2650.01	.06
*	1090.000	5004.00	2664.57	.00	15.84	.00	9819.40	10157.90	.00	248.82	2665.59	.00
*	1090.000	5004.00	2664.57	-.01	15.80	9819.40	9819.40	10157.90	10157.90	252.77	2665.59	.00
*	1190.000	5004.00	2683.40	.00	18.82	.00	9811.30	10197.70	.00	277.34	2684.33	.00
*	1190.000	5004.00	2683.40	.01	18.83	9811.30	9811.30	10197.70	10197.70	280.81	2684.35	.01
*	1270.000	5004.00	2701.92	.00	18.53	.00	9973.60	10089.00	.00	197.31	2703.78	.00
*	1270.000	5004.00	2702.02	.10	18.62	9973.60	9973.60	10089.00	10089.00	216.42	2703.99	.20
*	360.000	5004.00	2716.45	.00	14.53	.00	9935.00	10019.70	.00	172.60	2718.64	.00
*	1360.000	5004.00	2716.53	.08	14.51	9935.00	9935.00	10019.70	10019.70	205.30	2718.93	.28

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   2690.000  PROFILE=  1  CRITICAL DEPTH ASSUMED

CAUTION SECNO=    110.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    110.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    110.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    110.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    190.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    190.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    190.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    290.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    290.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    290.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    370.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    370.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    370.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    370.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    370.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    490.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    490.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    570.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    670.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    670.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    750.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    810.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=    810.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    900.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=  900.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=  1090.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1090.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION SECNO=  1190.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  1270.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

 ION SECNO=   1360.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
 ON SECNO=    1360.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1360.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1360.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=  1430.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1430.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  1430.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  1430.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  1430.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
```

FLOODWAY DATA, GRAPEVINE WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
2690.000	389.	941.	5.3	2482.4	2481.4	1.0
110.000	317.	615.	8.1	2496.3	2496.4	-.1
190.000	172.	508.	9.8	2508.5	2508.5	.0
290.000	319.	597.	8.4	2524.3	2524.2	.1
370.000	244.	584.	8.6	2540.7	2540.6	.1
490.000	195.	526.	9.5	2560.3	2560.2	.1
570.000	254.	552.	9.1	2572.5	2572.4	.1
670.000	260.	578.	8.7	2590.7	2590.7	.0
750.000	292.	598.	8.4	2603.8	2603.8	.0
810.000	292.	601.	8.3	2614.3	2614.3	.0
900.000	269.	585.	8.5	2630.1	2630.0	.1
1000.000	233.	559.	9.0	2648.8	2648.7	.1
1090.000	338.	617.	8.1	2664.6	2664.6	.0
1190.000	386.	641.	7.8	2683.4	2683.4	.0
1270.000	115.	445.	11.2	2702.0	2701.9	.1
1360.000	85.	403.	12.4	2716.5	2716.4	.1
[illegible]0.000	79.	394.	12.7	2728.3	2728.2	.1

```
1*****************************************************
 *  WATER SURFACE PROFILES                           *
 *  VERSION OF SEPTEMBER 1988                        *
 *  ROR: 01,02,03                                    *
 *  UPDATED:  SEPTEMBER 1989                         *
 *  RUN DATE     3/12/90   TIME   18:44:24           *
*****************************************************
```

```
*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616-4687     *
*          (916) 756-1104           *
*************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

1

3/12/90 18:44:24 PAGE 1

THIS RUN EXECUTED 3/12/90 18:44:24

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 ********************************************
 HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


 ERROR CORR -  01,02,03
 MODIFICATION -
*************************************************
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T1 FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2 10-YR FLOOD FREQUENCY MODEL
T3 N. TRIB. GALLOWAY WASH (GA.DAT)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		2			.0180				2214.87	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38	1	43	8	55	26	56	13	14	15
4	5	51							
150									

```
NC     .045      .045      .041       .1        .3

         4      4265      6389      7470      9393

        *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*********************
        COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
        SECTION 000 = 320 OF GRAPEVINE WASH (HTA)
       *******HTA GRAPEVINE IS  N O T  THE CH2M-HILL GRAPEVINE WASH*****
        QT VALUES FROM CP 59.
        SLOPE AREA METHOD IS USED TO DETERMINE STARTING WSEL
        SECS. 0.27, 0.37 & 0.47 ARE MANUALLY CODED (CH2M)
X1     320        13    9670.0   10130.0
GR  2220.0    9600.0    2216.0    9670.0    2216.0    9760.0    2213.0    9850.0    2214.5    9940.0
GR  2212.0    9990.0    2210.0   10000.0    2212.0   10018.0    2214.0   10060.0    2212.0   10105.0
GR  2211.0   10113.0    2212.0   10130.0    2220.0   10165.0

1
   3/12/90     18:44:24                                                                          PAGE    2


NH       3      .045      9985      .041     10365        99     10725

X1     150        17    9985.0   10365.0       790       790       790
GR  2248.5    9850.0    2247.0    9875.0    2246.0    9910.0    2248.0    9935.0    2232.0    9985.0
GR  2231.6   10000.0    2232.0   10015.0    2234.0   10060.0    2234.5   10140.0    2234.0   10170.0
GR  2235.5   10250.0    2233.5   10310.0    2235.5   10365.0    2235.0   10420.0    2233.7   10575.0
GR  2236.5   10600.0    2252.0   10725.0

NH       3      .045      9975      .041     10370        99     10800

X1     250        17    9975.0   10370.0       530       530       530
GR  2264.0    9880.0    2248.0    9920.0    2245.7    9975.0    2244.0   10000.0    2245.4   10050.0
GR  2245.1   10075.0    2246.0   10130.0    2244.0   10230.0    2246.0   10300.0    2244.3   10320.0
GR  2246.8   10370.0    2247.8   10420.0    2248.0   10500.0    2248.0   10540.0    2244.0   10655.0
GR  2241.5   10680.0    2264.0   10800.0

NH       3      .045      9980      .041     10585      .045     10625

X1     350        18    9980.0   10585.0       530       530       530
GR  2276.0    9940.0    2256.5    9980.0    2256.0   10000.0    2257.5   10025.0    2258.2   10065.0
GR  2257.7   10100.0    2257.1   10200.0    2261.5   10260.0    2260.0   10290.0    2261.1   10310.0
GR  2261.0   10380.0    2259.5   10395.0    2260.8   10455.0    2257.8   10480.0    2260.3   10505.0
GR  2259.5   10550.0    2256.9   10585.0    2274.0   10625.0

NH       3      .045    9963.1      .041   10232.5      .045     10603

X1     470        40    9963.1   10249.3       630       630       630
GR  2294.6    9395.0    2297.2    9444.1    2298.2    9465.5    2295.5    9483.0    2285.7    9517.3
GR  2280.5    9544.2    2279.1    9583.9    2278.7    9590.9    2277.0    9660.9    2276.0    9762.6
GR  2276.2    9826.7    2276.4    9867.4    2275.2    9924.7    2275.1    9944.7    2273.1    9963.1
GR  2272.5    9985.0    2272.0   10000.0    2271.9   10022.8    2271.7   10025.5    2273.5   10043.6
GR  2272.6   10068.8    2275.0   10098.8    2274.7   10132.3    2271.9   10149.0    2272.6   10161.7
GR  2273.5   10180.8    2272.1   10211.3    2271.5   10232.5    2274.3   10249.3    2274.5   10289.4
GR  2273.1   10344.0    2271.7   10372.1    2270.3   10391.8    2271.1   10416.3    2273.7   10474.2
GR  2276.3   10501.9    2276.5   10526.6    2284.2   10562.0    2289.6   10594.8    2289.6     10603
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NH	4	99	9646.7	.041	10159.7	.045	10317.6	99	10473.6	
	600	36	9646.7	10159.7	530	570	680			
GR	2302.3	9393.4	2303.1	9438.6	2300.3	9460.1	2289.5	9521.3	2287.3	9533.2
GR	2291.6	9541.5	2289.4	9560.2	2285.4	9570.1	2290.4	9580.1	2290.3	9601.8
GR	2287.7	9624.0	2291.1	9646.7	2291.4	9708.6	2292.0	9774.0	2291.4	9834.1
GR	2292.3	9911.4	2292.5	9953.9	2290.5	9967.0	2289.9	9972.0	2289.0	10000.0
GR	2290.2	10011.0	2290.4	10024.4	2291.8	10037.7	2291.7	10040.2	2292.1	10120.1
GR	2291.4	10159.7	2294.1	10297.7	2294.2	10317.6	2297.7	10328.6	2297.7	10344.8
GR	2297.3	10355.0	2291.5	10366.9	2291.5	10396.2	2292.6	10431.7	2305.6	10463.7
GR	2312.0	10473.6								

NC	.045	.045	.041							
X1	680	21	9964.2	10300.0	420	390	420			
X3						10220.4				
GR	2321.4	9829.0	2314.7	9864.8	2304.4	9924.1	2300.7	9964.2	2300.9	9972.1
GR	2300.5	9999.0	2300.6	10000.0	2302.7	10016.2	2300.9	10038.2	2303.1	10055.7
GR	2301.2	10104.9	2301.5	10141.1	2299.6	10204.7	2304.1	10220.4	2302.8	10236.7
GR	2302.7	10238.6	2301.8	10249.3	2296.3	10262.9	2296.4	10278.5	2301.6	10300.0
GR	2317.8	10324.7								
	780	13	9977.5	10191.5	490	500	530			
GR	2336.3	9906.4	2321.5	9953.0	2312.7	9977.5	2312.7	9987.0	2312.7	10000.0
GR	2312.5	10016.1	2314.0	10044.5	2313.1	10098.0	2315.1	10127.9	2315.1	10154.6
GR	2313.1	10179.2	2313.1	10191.5	2331.4	10261.3				
X1	870	12	9947.9	10020.6	430	400	480			
GR	2345.1	9773.4	2331.0	9818.8	2326.2	9855.6	2323.6	9947.9	2323.9	9981.6
GR	2323.0	10000.0	2323.0	10012.7	2323.1	10020.6	2335.0	10037.3	2341.4	10056.8
GR	2346.0	10078.3	2345.9	10080.1						
X1	970	18	9967.0	10171.4	520	560	530			
GR	2356.8	9882.6	2356.0	9906.5	2351.8	9923.6	2340.0	9948.3	2340.9	9967.0
GR	2337.5	9980.5	2337.6	9981.0	2337.1	9998.7	2337.1	10000.0	2337.1	10025.0
GR	2338.3	10038.1	2338.2	10106.3	2336.8	10112.9	2340.7	10135.1	2337.1	10171.4
GR	2340.7	10187.0	2361.4	10212.6	2366.1	10236.7				
X1	1050	13	9988.3	10191.4	410	430	420			
GR	2367.0	9935.6	2346.9	9988.3	2346.9	10000.0	2346.9	10017.5	2349.7	10028.0
GR	2346.6	10053.9	2350.6	10075.4	2346.6	10123.3	2350.5	10153.0	2354.1	10191.4
GR	2358.9	10216.5	2370.2	10253.5	2372.2	10260.2				
X1	1120	15	9691.4	10044.9	380	360	370			
X3				9790.3						
GR	2376.0	9642.1	2360.9	9691.4	2355.1	9753.3	2356.4	9790.3	2358.9	9877.7
GR	2359.7	9916.3	2357.8	9931.4	2360.0	9949.0	2356.4	9961.4	2356.6	9986.6

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GR   2356.5    10000.0    2355.9    10025.6    2355.5    10044.9    2373.4    10074.4    2376.5    10091.7


X1    1190         8     9985.0    10096.6     350       370       370
                                               10147.4
GR   2384.8     9949.7   2381.9     9963.3    2364.5     9985.0    2364.0    10000.0    2364.1    10014.1
GR   2364.1    10017.1   2366.7    10096.6    2368.2    10147.4

1
     3/12/90     18:44:24                                                                          PAGE    4


X1    1250        10     9890.0    10015.0     340       320       320
GR   2382.0     9720.0   2380.0     9730.0    2376.0     9870.0    2373.0     9890.0    2373.8     9940.0
GR   2372.5     9980.0   2372.0    10000.0    2372.5    10015.0    2376.0    10030.0    2382.0    10060.0


X1    1320        11     9960.0    10225.0     350       390       370
GR   2400.0     9922.0   2384.0     9960.0    2382.0     9985.0    2381.5    10000.0    2384.0    10040.0
GR   2386.0    10085.0   2386.5    10130.0    2385.0    10180.0    2383.8    10200.0    2386.0    10225.0
GR   2400.0    10285.0


X1    1420        16     9730.0    10045.0     490       440       530
GR   2416.0     9615.0   2404.0     9675.0    2400.0     9730.0    2398.5     9760.0    2398.0     9800.0
GR   2396.2     9820.0   2397.0     9850.0    2395.5     9875.0    2398.0     9905.0    2396.0     9925.0
GR   2396.0     9960.0   2395.0     9980.0    2394.5    10000.0    2396.0    10025.0    2400.0    10045.0
GR   2416.0    10080.0


NH       5      .045     9790.0      .035     9835.0      .045     9980.0      .025    10035.0      .045
NH   10065
X1    1530        11     9790.0    10035.0     560       560       580
GR   2430.0     9730.0   2410.0     9790.0    2410.5     9835.0    2411.0     9860.0    2411.5     9917.0
GR   2412.0     9960.0   2410.0     9980.0    2409.0    10000.0    2409.5    10020.0    2411.0    10035.0
GR   2430.0    10065


NH       5      .045     9749.0       .03     9782.2      .045     9975.6      .030    10020.1      .045
NH   10122
X1    1610        20     9758.1    10060.9     440       420       420
GR   2437.4     9718.0   2421.7     9749.0    2421.2     9758.1    2422.5     9782.2    2421.9     9818.1
GR   2421.2     9836.9   2422.2     9858.1    2424.1     9881.6    2422.0     9927.3    2421.4     9945.4
GR   2423.7     9965.5   2422.4     9975.6    2422.1    10000.0    2421.4    10014.2    2421.5    10020.1
GR   2423.9    10036.5   2423.7    10048.0    2421.2    10060.9    2423.9    10076.6    2439.6      10122


NC      .045      .045      .041

X1    1700        18     9701.7    10015.8     470       480       480
GR   2450.7     9670.0   2435.7     9701.7    2430.8     9719.7    2433.9     9733.9    2436.0     9789.2
GR   2435.5     9825.4   2435.3     9847.8    2431.7     9857.8    2435.6     9865.2    2433.9     9891.5
GR   2436.5     9913.1   2434.9     9938.2    2434.3     9950.6    2432.3     9999.1    2432.0    10000.0
GR   2438.2    10015.8   2457.1    10051.9    2459.1    10059.4


X1    1790        20     9959.1    10364.7     470       490       480
X3                                             10364.7
GR   2463.5     9886.8   2464.1     9912.3    2464.4     9930.6    2447.1     9959.1    2447.1     9960.8
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GR	2445.9	10000.0	2445.2	10015.4	2449.3	10027.7	2448.2	10033.2	2445.1	10043.6
GR	2448.3	10061.0	2450.4	10096.6	2450.4	10097.1	2449.2	10128.4	2446.0	10136.0
GR	2449.8	10142.8	2448.5	10231.8	2447.3	10364.7	2450.2	10389.6	2470.5	10434.0

X1	1830	22	9857.2	10181.0	210	210	210			
X3						10181.0				
GR	2476.7	9785.0	2452.2	9827.8	2452.1	9832.2	2457.3	9857.2	2451.3	9901.4
GR	2452.0	9935.5	2451.9	9949.1	2451.9	9959.5	2450.8	9991.2	2450.7	10000.0
GR	2450.8	10019.8	2454.9	10025.7	2454.8	10040.0	2455.9	10054.1	2456.1	10118.4
GR	2456.7	10181.0	2457.9	10206.7	2454.3	10218.2	2458.4	10227.6	2459.5	10254.3
GR	2460.8	10272.1	2473.2	10317.4						

QT	4	3751	5632	6593	8303

X1	1890	12	9757.3	10045.9	320	320	320			
GR	2498.7	9687.3	2479.2	9729.3	2471.5	9757.3	2464.1	9842.2	2464.7	9929.8
GR	2458.7	9940.6	2459.0	9960.5	2459.5	9978.4	2459.6	10000.0	2459.4	10033.6
GR	2459.0	10045.9	2468.2	10054.6						

NH	5	.045	9894.3	.025	9961.3	.045	10057.2	.035	10103.8	.045
NH	10146									

X1	1990	11	9894.3	10103.8	490	510	530			
	2483.5	9860.1	2471.4	9880.5	2468.8	9894.3	2470.2	9961.3	2471.1	9976.8
GR	2469.2	10000.0	2470.0	10018.2	2473.1	10034.1	2469.9	10057.2	2472.7	10103.8
GR	2492.6	10146								

NC	.045	.045	.041

X1	2070	16	9951.2	10110.8	420	420	420			
GR	2499.8	9899.5	2482.5	9928.3	2481.9	9951.2	2481.4	9955.1	2479.3	9971.2
GR	2479.3	9971.6	2479.3	10000.0	2480.1	10027.4	2480.6	10028.3	2482.5	10074.4
GR	2482.3	10110.8	2485.7	10164.2	2488.6	10191.3	2492.6	10226.6	2496.3	10266.7
GR	2509.4	10298.1								

X1	2140	17	9909.8	10234.8	380	360	370			
X3						10165.7				
GR	2512.3	9875.9	2487.4	9909.8	2488.9	9916.7	2490.6	9939.8	2490.4	9959.1
GR	2489.7	9980.1	2489.5	10000.0	2490.3	10027.7	2491.0	10064.6	2490.0	10098.2
GR	2493.2	10165.7	2490.5	10199.7	2494.0	10213.6	2493.8	10234.8	2498.1	10259.3
GR	2510.4	10302.1	2512.5	10310.1						

X1	2200	16	9809.3	10032.0	350	290	320			
GR	2520.5	9573.0	2516.3	9583.0	2512.7	9635.7	2507.4	9729.6	2503.1	9809.3
GR	2501.6	9855.5	2500.8	9912.0	2500.3	9939.9	2500.5	9956.9	2498.7	9965.5
	'498.5	9996.3	2498.5	10000.0	2497.8	10031.1	2497.8	10032.0	2515.0	10058.0
	2516.4	10060.0								

1

X1	2160	18	9747.4	10057.5	270	300	320			
	2527.6	9652.3	2517.0	9696.3	2517.2	9710.7	2518.7	9724.2	2510.0	9747.4
	2509.2	9757.0	2505.9	9779.3	2506.9	9803.3	2506.4	9837.1	2506.4	9895.4
GR	2507.4	9934.1	2504.5	9959.2	2505.4	9980.8	2505.8	10000.0	2505.8	10020.0
GR	2503.3	10057.5	2508.8	10069.1	2521.5	10082.1				
X1	2350	17	9886.6	10216.3	460	500	480			
GR	2536.1	9847.4	2516.9	9865.6	2516.9	9886.6	2518.9	9910.2	2516.7	9933.9
GR	2518.3	9956.5	2518.2	9970.0	2517.7	10000.0	2517.9	10033.6	2519.5	10036.3
GR	2520.0	10046.6	2518.8	10185.9	2520.5	10216.3	2522.5	10234.9	2533.2	10254.2
GR	2533.1	10282.2	2539.0	10295.7						
X1	2460	15	9905.4	10236.5	580	580	580			
GR	2556.0	9866.4	2542.9	9892.5	2531.6	9905.4	2533.0	9972.5	2532.7	10000.0
GR	2532.7	10013.5	2533.8	10022.6	2533.8	10036.7	2531.4	10077.0	2532.5	10105.6
GR	2532.1	10189.9	2531.4	10236.5	2544.4	10260.7	2553.5	10288.2	2552.4	10298.7
NC	.045	.045	.041							
X1	2570	19	9556.7	10019.9	550	540	580			
X3				9618.5						
GR	2568.7	9434.4	2548.9	9502.5	2549.2	9535.8	2547.2	9556.7	2548.9	9567.5
GR	2548.4	9618.5	2549.7	9661.1	2548.7	9698.8	2550.7	9738.1	2549.2	9793.5
	2549.7	9838.1	2547.6	9889.6	2548.2	9924.9	2546.2	9953.0	2546.1	9985.1
	2546.2	10000.0	2545.4	10019.9	2549.7	10023.3	2566.9	10054.6		
NH	5	.045	9828.8	.035	10040.3	.045	10218.4	.035	10295.5	.045
NH	10344									
X1	2650	28	9666.3	10266.2	380	430	420			
X3				9799.4						
GR	2575.3	9544.2	2565.3	9581.8	2556.7	9603.6	2560.0	9629.3	2557.8	9666.3
GR	2557.5	9705.5	2557.8	9736.0	2558.2	9771.8	2559.7	9799.4	2558.5	9828.8
GR	2557.9	9859.9	2557.7	9889.8	2557.9	9921.0	2557.3	9929.2	2556.1	9946.7
GR	2558.6	9973.9	2558.6	9982.3	2557.1	10000.0	2557.9	10040.3	2559.9	10064.7
GR	2559.9	10102.7	2558.2	10131.2	2559.5	10172.4	2558.3	10218.4	2557.0	10266.2
GR	2555.6	10295.5	2570.3	10323.5	2580.4	10344				
NH	5	.045	9910.4	.03	10000.0	.045	10175.1	.035	10212.4	.045
NH	10276									
X1	2730	17	9910.4	10212.4	380	350	420			
GR	2591.1	9860.5	2576.4	9891.0	2569.4	9910.4	2568.3	9935.6	2568.3	9938.0
GR	2568.3	9981.9	2569.2	10000.0	2569.5	10030.4	2569.7	10074.8	2570.6	10090.9
GR	2571.4	10115.7	2572.1	10141.1	2570.1	10175.1	2567.7	10212.4	2578.9	10244.8
GR	2588.0	10263.1	2595.6	10276						

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NH      5      .045     9820.8      .035     9933.1      .045    10000.0      .025    10058.1      .045
NH  10103

        2800       19     9672.5   10030.2       370       370       380
        2598.9  9608.5   2585.6    9645.5    2582.0    9672.5    2580.4    9691.7    2581.4    9723.9
GR      2580.9  9763.0   2581.5    9796.9    2580.6    9820.8    2579.9    9848.2    2580.4    9876.2
GR      2579.6  9909.4   2580.5    9933.1    2580.6    9953.9    2580.8   10000.0    2578.6   10030.2
GR      2579.9 10035.2   2583.0   10058.1    2593.8   10085.5    2599.8     10103


NC      .045      .045      .041

X1      2910        24     9650.2   10266.9       560       590       580
GR      2615.2  9563.6   2606.7    9594.6    2602.6    9626.7    2599.8    9650.2    2598.6    9697.5
GR      2599.1  9736.8   2598.9    9794.1    2600.0    9825.9    2599.1    9868.7    2597.3    9891.5
GR      2598.8  9937.7   2598.9    9939.5    2598.0    9978.9    2597.2   10000.0    2597.8   10018.2
GR      2600.6 10035.0   2600.2   10039.7    2598.9   10091.8    2598.4   10179.0    2600.4   10235.1
GR      2601.1 10266.9   2606.7   10297.0    2613.9   10325.9    2618.9   10337.5


X1      3010        15     9974.4   10222.0       520       520       530
GR      2633.3  9938.8   2612.3    9973.2    2610.7    9974.4    2610.7   10000.0    2611.2   10035.7
GR      2610.9 10045.3   2611.1   10066.3    2613.2   10090.4    2613.0   10118.6    2614.2   10151.2
GR      2614.2 10181.1   2614.9   10222.0    2618.0   10247.8    2635.8   10293.8    2636.0   10293.9


X1      3120        15     9831.3   10048.3       540       450       580
GR      2644.1  9753.6   2639.9    9773.0    2635.1    9812.8    2632.9    9831.3    2628.3    9848.5
GR      2631.1  9860.5   2631.6    9879.9    2629.7    9921.9    2629.0    9946.9    2629.4   10000.0
        2628.4 10044.3   2628.7   10048.3    2638.4   10071.4    2652.9   10109.1    2653.7   10110.6


NC      .045      .045      .041

X1      3210        22     9704.0   10196.9       470       470       470
GR      2682.3  9574.7   2658.2    9624.6    2645.4    9652.7    2643.5    9677.3    2641.7    9704.0
GR      2641.8  9739.7   2641.1    9798.0    2639.9    9847.6    2640.2    9875.3    2640.8    9909.6
GR      2640.9  9932.8   2640.2    9975.8    2639.7   10000.0    2640.1   10024.4    2642.3   10034.1
GR      2642.6 10060.3   2641.7   10083.8    2641.7   10108.0    2641.8   10159.7    2642.9   10196.9
GR      2647.6 10219.6   2659.2   10261.2


X1      3260        26     9780.6   10213.1       260       340       260
GR      2679.8  9666.5   2677.7    9679.9    2680.6    9696.5    2676.7    9715.1    2665.7    9745.7
GR      2653.4  9773.0   2646.0    9780.6    2646.2    9813.7    2646.6    9818.0    2647.0    9843.9
GR      2648.2  9880.4   2648.4    9935.6    2648.0    9972.0    2646.4    9994.3    2647.4   10000.0
GR      2647.2 10013.5   2649.5   10023.0    2650.1   10037.6    2650.4   10063.7    2647.8   10110.8
GR      2648.9 10132.1   2649.2   10136.0    2650.7   10162.5    2651.4   10213.1    2651.2   10266.3
GR      2653.8 10288.8


1
   3/12/90      18:44:24                                                                          PAGE     8

    NO     DEPTH    CWSEL    CRIWS    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     XLOBL    XLCH     XLOBR    ITRIAL    IDC      ICONT    CORAR   TOPWID    ENDST
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*PROF 1

CEHV=     .100 CEHV=     .300
  0 320.000
        *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*********************
        COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
        SECTION 000 = 320 OF GRAPEVINE WASH (HTA)
       *******HTA GRAPEVINE IS  N O T  THE CH2M-HILL GRAPEVINE WASH*****
        QT VALUES FROM CP 59.
        SLOPE AREA METHOD IS USED TO DETERMINE STARTING WSEL
        SECS. 0.27, 0.37 & 0.47 ARE MANUALLY CODED (CH2M)
  320.000     4.87  2214.87      .00  2214.87  2215.64      .77      .00      .00  2216.00
    4265.       0.    4165.     100.       0.     590.      18.       0.       0.   2212.00
      .00      .00     7.06     5.54     .000     .041     .045     .000  2210.00  9793.90
  .017999       0.       0.       0.        0        0        0      .00   348.66 10142.56
0
 1490 NH CARD USED
 *SECNO 150.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  150.000     4.07  2235.67  2235.67      .00  2236.40      .73    14.84      .00  2232.00
    4265.     141.    4123.       1.      21.     599.     244.      13.       9.   2235.50
      .03     6.71     6.88      .00     .045     .041   99.000     .000  2231.60  9973.54
  .019634     790.     790.     790.       12       10        0      .00   619.02 10592.56
0
 1490 NH CARD USED
 *SECNO 250.000

 3265 DIVIDED FLOW

  250.000     5.13  2246.63  2246.59      .00  2247.41      .78    11.00      .01  2245.70
    4265.      30.    4234.       1.      10.     596.     267.      24.      16.   2246.80
      .05     2.94     7.10      .00     .045     .041   99.000     .000  2241.50  9952.76
  .021967     530.     530.     530.       10       14        0      .00   541.82 10707.36
0
 1490 NH CARD USED
 *SECNO 350.000

 3265 DIVIDED FLOW

1
    3/12/90       18:44:24                                                                    PAGE     9


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  350.000     3.40  2259.40  2259.40      .00  2260.31      .90    11.53      .04  2256.50
    4265.      50.    4176.      39.       9.     545.       7.      33.      21.   2256.90
      .07     5.79     7.67     5.32     .045     .041     .045     .000  2256.00  9974.04
  .021538     530.     530.     530.       20       19        0      .00   326.34 10590.86
0
 1490 NH CARD USED
```

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*SECNO 470.000

3265 DIVIDED FLOW

[illegible] MINIMUM SPECIFIC ENERGY
[illegible]0 CRITICAL DEPTH ASSUMED
  470.000     3.71  2274.01  2274.01      .00  2274.77      .75    12.57      .01  2273.10
    4265.      10.    1986.    2269.       4.     326.     296.      41.      26.   2274.30
      .10     2.66     6.10     7.66     .045     .041     .045     .000  2270.30  9954.69
  .018524     630.     630.     630.        5        8        0      .00   412.18 10477.55
0
 1490 NH CARD USED
 *SECNO 600.000

 3265 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  600.000     7.31  2292.71  2292.71      .00  2293.38      .67    14.50      .01  2291.10
    4265.       3.    4083.     180.     458.     607.     104.      54.      35.   2291.40
      .12      .01     6.73     1.73   99.000     .041     .125     .000  2285.40  9503.14
  .027546     530.     680.     570.       20       26        0      .00   790.80 10431.96
0
 *SECNO 680.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
[illegible]1.000     7.02  2303.32  2303.32      .00  2304.29      .97     9.64      .09  2300.70
[illegible]265.     205.    4060.       0.      37.     507.       0.      62.      40. 100000.00
      .14     5.51     8.01      .00     .045     .041     .000     .000  2296.30  9935.76
  .019462     420.     420.     390.        7       10        0      .00   281.93 10217.69
0
1
    3/12/90      18:44:24                                                                    PAGE    10


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 780.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  780.000     3.40  2315.90  2315.90      .00  2317.01     1.10    10.10      .04  2312.70
    4265.      85.    4097.      83.      14.     481.      15.      69.      43.   2313.10
      .16     5.95     8.52     5.54     .045     .041     .045     .000  2312.50  9968.58
  .018774     490.     530.     500.       12       11        0      .00   233.62 10202.20
0
 *SECNO 870.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
[illegible].000     4.14  2327.14  2327.14      .00  2328.48     1.34     7.74      .07  2323.60
[illegible]4265.    1420.    2782.      64.     210.     267.      11.      74.      46.   2323.10
      .17     6.75    10.41     5.55     .045     .041     .045     .000  2323.00  9848.38
  .014559     430.     480.     400.       11       11        0      .00   177.89 10026.27
0
```

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*SECNO 970.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  970.000     3.69  2340.49  2340.49      .00  2341.65     1.16     8.67      .02  2340.90
    4265.       5.    4103.     157.       3.     470.      25.      80.      48.   2337.10
      .19     1.76     8.72     6.30     .045     .041     .045     .000  2336.80  9947.27
  .018600     520.     530.     560.       12       11        0      .00   225.51 10186.10
0
*SECNO 1050.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1050.000     4.30  2350.90  2350.90      .00  2352.21     1.31     7.69      .04  2346.90
    4265.     141.    4124.       0.      21.     446.       0.      85.      50.   2354.10
      .20     6.73     9.24      .00     .045     .041     .000     .000  2346.60  9977.80
  .018020     410.     420.     430.        9        8        0      .00   179.50 10157.30
0
*SECNO 1120.000

3265 DIVIDED FLOW

1
    3/12/90      18:44:24                                                                    PAGE   11


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     9790.3   10091.7  TYPE=      1  TARGET=    -9790.300
 1120.000     4.48  2359.58  2359.58      .00  2360.64     1.06     7.07      .02100000.00
    4265.       0.    4171.      94.       0.     503.      14.      89.      52.   2355.50
      .21      .00     8.29     6.82     .000     .041     .045     .000  2355.10  9790.30
  .020271     380.     370.     360.        5        8        0      .00   250.10 10051.63
0
*SECNO 1190.000
3280 CROSS SECTION   1190.00 EXTENDED       .42 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=         .0   10147.4  TYPE=      1  TARGET=    10147.400
 1190.000     4.62  2368.62  2368.62      .00  2370.05     1.44     6.10      .11  2364.50
    4265.      56.    3957.     252.      11.     399.      59.      93.      54.   2366.70
      .22     5.30     9.91     4.26     .045     .041     .045     .000  2364.00  9979.87
  .013671     350.     370.     370.        4        8        0      .00   167.53 10147.40
0
*SECNO 1250.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1250.000     4.17  2376.17  2376.17      .00  2377.58     1.41     4.69      .00  2373.00
    4265.     194.    3890.     181.      34.     397.      29.      96.      55.   2372.50
      .23     5.71     9.80     6.26     .045     .041     .045     .000  2372.00  9863.92
```

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   .015667     340.     320.     320.       14       11        0      .00   166.94 10030.87
0
 *SECNO 1320.000
 [illegible] 20 TRIALS ATTEMPTED WSEL,CWSEL
 [illegible] PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1320.000     5.03  2386.53  2386.53      .00  2387.57     1.04     6.70      .04  2384.00
     4265.      40.    4223.       1.       8.     515.       1.     100.      57.   2386.00
       .25     5.32     8.20     1.95     .045     .041     .045     .000  2381.50  9953.99
   .021172     350.     370.     390.       20       11        0      .00   273.28 10227.27
0
1
    3/12/90      18:44:24                                                                    PAGE   12


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 1420.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1420.000     3.92  2398.42  2398.42      .00  2399.42     1.00    10.88      .00  2400.00
     4265.       0.    4265.       0.       0.     532.       0.     107.      60.   2400.00
       .26      .00     8.01      .00     .000     .041     .000     .000  2394.50  9766.04
   .019923     490.     530.     440.        4       15        0      .00   271.09 10037.12
0
 [illegible] NH CARD USED
 [illegible] .O 1530.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1530.000     3.81  2412.81  2412.81      .00  2413.84     1.03     8.05      .01  2410.00
     4265.      48.    4210.       7.      12.     514.       3.     114.      64.   2411.00
       .28     4.05     8.19     2.80     .045     .030     .045     .000  2409.00  9781.56
   .010228     560.     580.     560.       15        8        0      .00   256.30 10037.86
0
 1490 NH CARD USED
 *SECNO 1610.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1610.000     2.93  2424.13  2424.13      .00  2425.00      .87     5.37      .02  2421.20
     4265.     323.    3801.     140.      30.     527.      25.     119.      66.   2421.20
       .30    10.72     7.22     5.65     .031     .038     .045     .000  2421.20  9744.21
   .016388     440.     420.     420.       20       19        0      .00   333.04 10077.25
0
 *SECNO 1700.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  [illegible]00.000     5.52  2436.32  2436.32      .00  2437.24      .93     8.84      .02  2435.70
     [illegible]65.       1.    4264.       0.       0.     552.       0.     126.      70.   2438.20
       .32     2.04     7.72      .00     .045     .041     .000     .000  2430.80  9700.40
   .020878     470.     480.     480.       18       17        0      .00   306.21 10011.00
0
1
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 SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
          QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
 TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN       SSTA
 SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


*SECNO 1790.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10364.7  TYPE=      1  TARGET=    10364.700
 1790.000     4.40  2449.50  2449.50      .00  2450.33      .84     10.07      .01  2447.10
    4265.      23.    4242.       0.       5.     577.       0.      132.      74. 100000.00
      .34     4.88     7.35      .00     .045     .041     .000     .000  2445.10  9955.15
  .021098     470.     480.     490.       13       16        0      .00   348.96 10364.70
0
*SECNO 1830.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10181.0  TYPE=      1  TARGET=    10181.000
 1830.000     3.87  2454.57  2454.57      .00  2455.98     1.40      4.04      .17  2457.30
    4265.     179.    4086.       0.      30.     424.       0.      134.      75. 100000.00
      .34     5.92     9.64      .00     .045     .041     .000     .000  2450.70  9823.66
  .017577     210.     210.     210.        2       12        0      .00   168.35 10025.23
0
*SECNO 1890.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1890.000     3.94  2462.64  2462.64      .00  2464.25     1.61      5.50      .06  2471.50
    3751.       0.    3720.      31.       0.     364.       6.      137.      76.  2459.00
      .35      .00    10.22     4.96     .000     .041     .045     .000  2458.70  9933.52
  .016775     320.     320.     320.       10        5        0      .00   115.82 10049.34
0
1490 NH CARD USED
*SECNO 1990.000
1
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 SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


3265 DIVIDED FLOW
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3301 HV CHANGED MORE THAN HVINS

     MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
 1990.000     3.63  2472.43  2472.43      .00  2473.52     1.09     6.81      .05  2468.80
    3751.     188.    3563.       0.      33.     420.       0.     142.      78.   2472.70
      .37     5.69     8.48      .00     .045     .029     .000     .000  2468.80  9878.76
  .010187     490.     530.     510.        4       11        0      .00   212.34 10099.34
0
 *SECNO 2070.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
 2070.000     4.17  2483.47  2483.47      .00  2484.60     1.14     5.35      .02  2481.90
    3751.     146.    3574.      32.      30.     411.      11.     147.      80.   2482.30
      .38     4.88     8.70     2.95     .045     .041     .045     .000  2479.30  9926.69
  .016385     420.     420.     420.      20        8        0      .00   202.46 10129.15
0
 *SECNO 2140.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10165.7  TYPE=      1  TARGET=    10165.700
 2140.000     4.81  2492.21  2492.21      .00  2493.24     1.03     6.92      .01  2487.40
    3751.     119.    3632.       0.      16.     446.       0.     151.      82. 100000.00
      .39     7.53     8.14      .00     .045     .041     .000     .000  2487.40  9903.25
  .021532     380.     370.     360.      14       11        0      .00   241.60 10144.85
0
     .0 2200.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
 2200.000     4.46  2502.26  2502.26      .00  2503.38     1.12     6.62      .03  2503.10
    3751.       0.    3645.     106.       0.     426.      15.     154.      83.   2497.80
      .41      .00     8.55     7.03     .000     .041     .045     .000  2497.80  9835.32
  .019865     350.     320.     290.      13       11        0      .00   203.42 10038.73
0
1
    3/12/90      18:44:24                                                                    PAGE    15


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 2160.000
 2160.000     4.65  2507.95      .00       .00  2508.59      .65     5.16      .05  2510.00
    3751.       0.    3608.     143.       0.     558.      23.     158.      85.   2503.30
      .42      .00     6.46     6.28     .000     .041     .045     .000  2503.30  9765.41
  .013420     270.     320.     300.       3        0        0      .00   301.90 10067.32
0
 *SECNO 2350.000
     MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
 2350.000     3.56  2520.26  2520.26      .00  2520.96      .70     6.98      .02  2516.90
    3751.     683.    3068.       0.      76.     503.       0.     164.      89.   2520.50
      .44     9.01     6.10      .00     .045     .041     .000     .000  2516.70  9862.42
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   .015931     460.     480.     500.       12       14        0      .00   349.52 10211.94
0
 *SECNO 2460.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
      PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2460.000     2.53  2533.93  2533.93      .00  2534.74      .80    10.78      .03  2531.60
     3751.      14.    3706.      31.       3.     515.       6.     171.      93.   2531.40
       .46     4.49     7.20     5.27     .045     .041     .045     .000  2531.40  9902.74
   .021953     580.     580.     580.       20       19        0      .00   338.48 10241.22
0
 *SECNO 2570.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9618.5   10054.6  TYPE=      1  TARGET=    -9618.500
  2570.000     4.33  2549.73  2549.73      .00  2550.53      .80    13.16      .00100000.00
     3751.       0.    3705.      46.       0.     514.       7.     178.      98.   2545.40
       .48      .00     7.21     6.18     .000     .041     .045     .000  2545.40  9618.50
   .023499     550.     580.     540.       16       14        0      .00   349.84 10023.35
0
 1490 NH CARD USED
 *SECNO 2650.000
1
    3/12/90       18:44:24                                                                    PAGE    16

      .CNO     DEPTH    CWSEL    CRIWS    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      XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


 1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9799.4   10344.0  TYPE=      1  TARGET=    -9799.400
  2650.000     3.83  2559.43  2559.43      .00  2560.08      .66     6.90    -1.00100000.00
     3751.       0.    2765.     986.       0.     540.     106.     184.     102.   2557.00
       .50      .00     5.12     9.33     .000     .039     .036     .000  2555.60  9806.05
   .012061     380.     420.     430.        4       25        0      .00   440.08 10302.79
0
 1490 NH CARD USED
 *SECNO 2730.000

 3265 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
      PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2730.000     3.43  2571.13  2571.13      .00  2572.07      .94     4.96      .09  2569.40
     3751.      13.    3653.      85.       4.     465.      17.     189.     105.   2567.70
       .52     3.16     7.86     5.01     .045     .031     .045     .000  2567.70  9905.62
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   .012130     380.     420.     350.       20       15        0      .00   266.20 10222.31
0
 1490 NH CARD USED
 *SECNO 2800.000
      20 TRIALS ATTEMPTED WSEL,CWSEL
      3 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2800.000     3.46  2582.06  2582.06      .00  2582.79      .73     4.73      .02  2582.00
     3751.       0.    3446.     305.       0.     526.      31.     194.     108.   2578.60
       .53      .04     6.55     9.76     .045     .033     .025     .000  2578.60  9672.07
   .012822     370.     380.     370.       20        5        0      .00   379.07 10051.14
0
 *SECNO 2910.000

 3265 DIVIDED FLOW

1
    3/12/90       18:44:24                                                                    PAGE    17


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2910.000     2.71  2599.91  2599.91      .00  2600.50      .59    10.05      .01  2599.80
     3751.       0.    3751.       0.       0.     611.       0.     202.     114.   2601.10
       .56      .05     6.14      .00     .045     .041     .000     .000  2597.20  9649.27
   .024650     560.     580.     590.       12       19        0      .00   544.80 10221.37
0
 *SECNO 3010.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  3010.000     3.75  2614.45  2614.45      .00  2615.47     1.02    11.50      .13  2610.70
     3751.      40.    3711.       0.       7.     456.       0.     208.     119.   2614.90
       .58     5.47     8.14      .00     .045     .041     .000     .000  2610.70  9969.68
   .019261     520.     530.     520.        3       14        0      .00   225.79 10195.48
0
 *SECNO 3120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  3120.000     3.48  2631.78  2631.78      .00  2632.85     1.07    11.35      .01  2632.90
     3751.       0.    3684.      67.       0.     443.      11.     214.     122.   2628.70
       .60      .00     8.32     5.90     .000     .041     .045     .000  2628.30  9835.47
   .019977     540.     580.     450.       13       11        0      .00   220.17 10055.65
0
 *SECNO 3210.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     .000     2.60  2642.30  2642.30      .00  2642.97      .67    10.07      .04  2641.70
     3751.       6.    3745.       0.       3.     572.       0.     220.     125.   2642.90
       .62     2.25     6.55      .00     .045     .041     .000     .000  2639.70  9695.03
   .023027     470.     470.     470.        5       19        0      .00   448.27 10176.78
0
```

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*SECNO 3260.000

3265 DIVIDED FLOW

 MINIMUM SPECIFIC ENERGY
1
   3/12/90      18:44:24                                                                                    PAGE   18


   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


3720 CRITICAL DEPTH ASSUMED
 3260.000     3.37  2649.37  2649.37      .00  2650.23      .85     5.74      .06  2646.00
   3751.       32.    3719.       0.       6.     500.       0.     223.     128.   2651.40
     .63     5.45     7.43      .00     .045     .041     .000     .000  2646.00  9777.14
  .021191     260.     260.     340.        4       11        0      .00   302.08 10139.05
0
1
   3/12/90      18:44:24                                                                                    PAGE   19


T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      50-YR FLOOD FREQUENCY MODEL
T3      N. TRIB. GALLOWAY WASH   (GA.DAT)

J1  .CHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                         .0180                                2215.38

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     2                 -1


1
   3/12/90      18:44:24                                                                                    PAGE   20


   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 2

CCHV=     .100 CEHV=     .300
*SECNO 320.000
        *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*********************
        COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
        SECTION 000 = 320 OF GRAPEVINE WASH (HTA)
       *******HTA GRAPEVINE IS  N O T  THE CH2M-HILL GRAPEVINE WASH*****
        QT VALUES FROM CP 59.
        SLOPE AREA METHOD IS USED TO DETERMINE STARTING WSEL
        SECS. 0.27, 0.37 & 0.47 ARE MANUALLY CODED (CH2M)
```

```
  320.000     5.38  2215.38  2215.27  2215.38  2216.40     1.02      .00      .00  2216.00
    6389.      0.    6235.     154.       0.     765.      25.       0.       0.   2212.00
      .00      .00     8.15     6.18     .000     .041     .045     .000  2210.00  9778.60
  .017975       0.       0.       0.        0        4        0      .00   366.18 10144.79

 1490 NH CARD USED
 *SECNO 150.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  150.000     4.53  2236.13  2236.13      .00  2237.12      .98    14.50      .00  2232.00
    6389.     189.    6199.       1.      27.     776.     351.      18.       9.   2235.50
      .03     7.10     7.99      .00     .045     .041   99.000     .000  2231.60  9972.09
  .018734     790.     790.     790.       13       10        0      .00   624.63 10596.72
0
 1490 NH CARD USED
 *SECNO 250.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  250.000     5.61  2247.11  2247.11      .00  2248.10      .99    10.17      .00  2245.70
    6389.      87.    6301.       1.      24.     785.     334.      32.      16.   2246.80
      .05     3.66     8.03      .00     .045     .041   99.000     .000  2241.50  9941.31
  .019673     530.     530.     530.        6       11        0      .00   588.40 10709.91
0
 1490 NH CARD USED
 *SECNO 350.000
1
 3/12/90      18:44:24                                                                PAGE   21

   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  350.000     4.06  2260.06  2260.06      .00  2261.05      .99    10.61      .00  2256.50
    6389.      84.    6234.      71.      13.     777.      12.      43.      22.   2256.90
      .06     6.45     8.02     6.05     .045     .041     .045     .000  2256.00  9972.69
  .020387     530.     530.     530.       11       13        0      .00   417.10 10592.40
0
 1490 NH CARD USED
 *SECNO 470.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     .000     4.20  2274.50  2274.50      .00  2275.42      .91    12.06      .01  2273.10
    6389.      32.    3181.    3176.       9.     443.     389.      55.      29.   2274.30
      .09     3.49     7.17     8.16     .045     .041     .045     .000  2270.30  9950.18
  .018023     630.     630.     630.        3        8        0      .00   491.74 10482.77
0
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 1490 NH CARD USED
 *SECNO 600.000

 7765 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   600.000     7.73  2293.13  2293.13      .00  2293.92      .80    12.85      .01  2291.10
     6389.       3.    6048.     338.     519.     824.     165.      72.      38.   2291.40
       .11      .01     7.34     2.04   99.000     .041     .116     .000  2285.40  9500.74
   .021842     530.     680.     570.       20       24        0      .00   816.70 10433.00
0
 *SECNO 680.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
1
    3/12/90       18:44:24                                                                    PAGE   22


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


   680.000     7.65  2303.95  2303.95      .00  2305.19     1.24     8.17      .13  2300.70
     6389.     345.    6044.       0.      57.     667.       0.      83.      44. 100000.00
       .13     6.03     9.06      .00     .045     .041     .000     .000  2296.30  9928.95
   .017508     420.     420.     390.       5        6        0      .00   290.93 10219.88
0
 *SECNO 780.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   780.000     4.07  2316.57  2316.57      .00  2318.02     1.45     9.25      .06  2312.70
     6389.     136.    6111.     142.      21.     624.      23.      91.      47.   2313.10
       .14     6.52     9.79     6.18     .045     .041     .045     .000  2312.50  9966.71
   .017507     490.     530.     500.      19       11        0      .00   238.04 10204.75
0
 *SECNO 870.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   870.000     4.98  2327.98  2327.98      .00  2329.69     1.71     7.38      .08  2323.60
     6389.    2413.    3872.     104.     296.     328.      17.      98.      49.   2323.10
       .15     8.14    11.81     6.23     .045     .041     .045     .000  2323.00  9841.97
   .014241     430.     480.     400.      12       11        0      .00   185.48 10027.45
0
 *SECNO 970.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   970.000     4.43  2341.23  2341.23      .00  2342.68     1.44     8.12      .03  2340.90
     6389.      58.    6063.     268.      16.     621.      37.     106.      52.   2337.10
       .17     3.54     9.76     7.33     .045     .041     .045     .000  2336.80  9945.72
     3614      520.     530.     560.      14       15        0      .00   241.94 10187.66
0
 *SECNO 1050.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
```

```
 1050.000     5.16  2351.76  2351.76      .00  2353.40     1.64     6.97      .06  2346.90
    6389.     227.    6162.       0.      31.     594.       0.     112.      54.   2354.10
      .18     7.34    10.37      .00     .045     .041     .000     .000  2346.60  9975.57
   016585     410.     420.     430.       11        8        0      .00   190.84 10166.41
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   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 *SECNO 1120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9790.3   10091.7  TYPE=      1  TARGET=    -9790.300
  1120.000     5.13  2360.23  2360.23      .00  2361.59     1.36     6.58      .03100000.00
    6389.       0.    6255.     134.       0.     666.      18.     118.      56.   2355.50
      .19      .00     9.40     7.30     .000     .041     .045     .000  2355.10  9790.30
   .019119     380.     370.     360.        4        5        0      .00   262.39 10052.69
0
 *SECNO 1190.000
 3280 CROSS SECTION   1190.00 EXTENDED      1.31 FEET

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=         .0   10147.4  TYPE=      1  TARGET=    10147.400
  1190.000     5.51  2369.51  2369.51      .00  2371.35     1.84     5.86      .14  2364.50
    6389.      93.    5662.     634.      16.     499.     105.     124.      58.   2366.70
      .20     5.96    11.35     6.07     .045     .041     .045     .000  2364.00  9978.75
   .013342     350.     370.     370.        3        8        0      .00   168.65 10147.40
0
 *SECNO 1250.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1250.000     5.13  2377.13  2377.13      .00  2378.82     1.69     4.32      .01  2373.00
    6389.     441.    5610.     338.      75.     516.      46.     128.      59.   2372.50
      .21     5.89    10.87     7.30     .045     .041     .045     .000  2372.00  9830.51
   .013569     340.     320.     320.       13       11        0      .00   205.13 10035.64
0
 *SECNO 1320.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1320.000     5.68  2387.18  2387.18      .00  2388.48     1.30     5.77      .04  2384.00
    6389.      69.    6311.       9.      12.     686.       3.     134.      61.   2386.00
      .22     5.73     9.20     3.07     .045     .041     .045     .000  2381.50  9952.46
   .018147     350.     370.     390.       20        8        0      .00   277.58 10230.04
0
1
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   SECNO    DEPTH    CWSEL    CRIWS    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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST


 [illegible]O 1420.000
 [illegible] MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1420.000     4.55  2399.05  2399.05      .00  2400.31     1.26     9.82      .00  2400.00
     6389.       0.    6389.       0.       0.     709.       0.     142.      65.   2400.00
       .24      .00     9.01      .00     .000     .041     .000     .000  2394.50  9749.03
   .018931     490.     530.     440.       11       15        0      .00   291.21 10040.24
0
 1490 NH CARD USED
 *SECNO 1530.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1530.000     4.45  2413.45  2413.45      .00  2414.80     1.35     8.00      .03  2410.00
     6389.       84.    6289.       16.      18.     670.       5.     152.      68.   2411.00
       .25     4.70     9.39     3.46     .045     .032     .045     .000  2409.00  9779.65
   .010492     560.     580.     560.       16        8        0      .00   259.22 10038.87
0
 1490 NH CARD USED
 *SECNO 1610.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1610.000     3.46  2424.66  2424.66      .00  2425.79     1.13     5.37      .02  2421.20
     6389.      438.    5725.      225.      38.     687.      34.     159.      71.   2421.20
       .27    11.60     8.34     6.65     .031     .039     .045     .000  2421.20  9743.17
   [illegible]15865     440.     420.     420.       20       15        0      .00   335.62 10078.78
[illegible]
 *SECNO 1700.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1700.000     6.06  2436.86  2436.86      .00  2438.08     1.22     8.49      .03  2435.70
     6389.        4.    6385.        0.       1.     719.       0.     167.      75.   2438.20
       .28     3.02     8.87      .00     .045     .041     .000     .000  2430.80  9699.25
   .019892     470.     480.     480.       18       17        0      .00   313.12 10012.38
0
 *SECNO 1790.000

 3265 DIVIDED FLOW

1
    3/12/90       18:44:24                                                                          PAGE   25


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST


 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
[illegible] ENCROACHMENT STATIONS=          .0   10364.7  TYPE=      1  TARGET=    10364.700
  1790.000     4.92  2450.02  2450.02      .00  2451.07     1.05     9.82      .02  2447.10
     6389.       39.    6350.        0.       7.     772.       0.     175.      79. 100000.00
       .30     5.56     8.23      .00     .045     .041     .000     .000  2445.10  9954.29
```

```
   .021072     470.     480.     490.       14       15        0      .00   393.60 10364.70
0
 *SECNO 1830.000

   DIVIDED FLOW


 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10181.0  TYPE=      1  TARGET=    10181.000
  1830.000     4.85  2455.55  2455.55      .00  2457.13     1.58     3.92      .16  2457.30
     6389.     372.    6017.      0.      53.     587.      0.      179.      80. 100000.00
       .31     6.95    10.25     .00     .045     .041    ,000     .000  2450.70  9821.94
   .016672     210.     210.     210.        1        8        0      .00   206.48 10049.67
0
 *SECNO 1890.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1890.000     4.96  2463.66  2463.66      .00  2465.74     2.08     5.13      .15  2471.50
     5632.       0.    5575.     57.       0.     480.      10.     183.      81.   2459.00
       .31      .00    11.61    5.60     .000     .041     .045     .000  2458.70  9931.68
   .015372     320.     320.     320.        9        5        0      .00   118.63 10050.30
0
 1490 NH CARD USED
 *SECNO 1990.000

   HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
1
    3/12/90       18:44:24                                                                                PAGE   26


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


  1990.000     4.32  2473.12  2473.12      .00  2474.49     1.37     6.52      .07  2468.80
     5632.     292.    5340.      0.      44.     560.      0.      189.      83.   2472.70
       .33     6.62     9.53    1.09     .045     .030     .045     .000  2468.80  9877.61
   .010104     490.     530.     510.        4       15        0      .00   227.07 10104.68
0
 *SECNO 2070.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2070.000     4.90  2484.20  2484.20      .00  2485.65     1.44     5.14      .02  2481.90
     5632.     304.    5216.     112.      48.     528.      28.     195.      85.   2482.30
       .34     6.29     9.88    3.92     .045     .041     .045     .000  2479.30  9925.46
      1110     420.     420.     420.       20        8        0      .00   215.23 10140.70
0
 *SECNO 2140.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
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 3470 ENCROACHMENT STATIONS=          .0   10165.7  TYPE=      1  TARGET=    10165.700
  2140.000      5.49  2492.89  2492.89      .00  2494.13     1.24      6.21      .02  2487.40
     5632.      157.     5475.       0.      20.      609.      0.      200.      87. 100000.00
       .35      7.66      8.98      .00     .045      .041    .000      .000  2487.40  9902.33
   .018690      380.      370.     360.      15         8       0       .00   256.75 10159.08
0
 *SECNO 2200.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2200.000      5.20  2503.00  2503.00      .00  2504.37     1.37      5.96      .04  2503.10
     5632.        0.     5478.     154.       0.      581.     20.      205.      89.   2497.80
       .36       .00      9.44     7.53     .000      .041    .045      .000  2497.80  9812.49
   .018553      350.      320.     290.      15        11       0       .00   227.37 10039.86
0
 *SECNO 2160.000
  2160.000      5.21  2508.51      .00      .00  2509.39      .88      4.97      .05  2510.00
     5632.        0.     5440.     192.       0.      721.     29.      210.      91.   2503.30
       .37       .00      7.55     6.72     .000      .041    .045      .000  2503.30  9761.68
   .013244      270.      320.     300.       2         0       0       .00   306.81 10068.48
0
1
    3/12/90       18:44:24                                                                    PAGE    27


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 2350.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2350.000      3.95  2520.65  2520.65      .00  2521.65     1.00      7.39      .04  2516.90
     5632.      881.     4750.       0.      85.      631.      0.      218.      95.   2520.50
       .39     10.33      7.53      .78     .045      .041    .045      .000  2516.70  9862.05
   .018226      460.      480.     500.      14        19       0       .00   355.62 10217.67
0
 *SECNO 2460.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2460.000      3.03  2534.43  2534.43      .00  2535.47     1.04     10.99      .01  2531.60
     5632.       22.     5562.       48.       5.      678.      9.      227.      99.   2531.40
       .41      4.83      8.20     5.62     .045      .041    .045      .000  2531.40  9902.17
   .019727      580.      580.     580.      10        15       0       .00   339.97 10242.14
0
 *SECNO 2570.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=      9618.5   10054.6  TYPE=      1  TARGET=    -9618.500
       .000      4.83  2550.23  2550.23      .00  2551.22      .99     11.95      .00100000.00
     5632.        0.     5569.       63.       0.      695.      9.      237.     104.   2545.40
       .43       .00      8.01     6.67     .000      .041    .045      .000  2545.40  9618.50
   .021591      550.      580.     540.      15        14       0       .00   379.19 10024.26
0
```

```
 1490 NH CARD USED
 *SECNO 2650.000
 1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

      DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9799.4   10344.0  TYPE=      1  TARGET=    -9799.400
  2650.000     4.24  2559.84  2559.84      .00  2560.68      .84     7.01      .02100000.00
     5632.       0.    4361.    1271.       0.     711.     121.     244.     108.   2557.00
       .45      .00     6.14    10.54     .000     .039     .036     .000  2555.60  9799.40
   .013218     380.     420.     430.        6       14        0      .00   464.31 10303.57
0
1
    3/12/90      18:44:24                                                                    PAGE   28


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 1490 NH CARD USED
 *SECNO 2730.000

 3265 DIVIDED FLOW

      20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2730.000     4.08  2571.78  2571.78      .00  2572.89     1.11     5.04      .08  2569.40
     5632.      30.    5471.     131.       8.     640.      24.     251.     112.   2567.70
       .46     3.80     8.55     5.46     .045     .032     .045     .000  2567.70  9903.81
   .011394     380.     420.     350.       20        8        0      .00   303.29 10224.20
0
 1490 NH CARD USED
 *SECNO 2800.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2800.000     3.89  2582.49  2582.49      .00  2583.46      .97     4.69      .01  2582.00
     5632.       1.    5190.     441.       1.     681.      41.     257.     115.   2578.60
       .47     1.49     7.62    10.76     .045     .035     .025     .000  2578.60  9668.82
   .013444     370.     380.     370.       20       11        0      .00   385.52 10054.34
0
 *SECNO 2910.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2910.000     3.07  2600.27  2600.27      .00  2601.01      .74     9.99      .02  2599.80
     5632.       2.    5630.       0.       1.     815.       0.     267.     121.   2601.10
       .50     1.90     6.90      .00     .045     .041     .000     .000  2597.20  9646.22
   .022833     560.     580.     590.       13       19        0      .00   579.57 10231.57
0
 *SECNO 3010.000
```

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
1

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3010.000	4.43	2615.13	2615.13	.00	2616.38	1.25	10.77	.15	2610.70
5632.	66.	5566.	0.	11.	619.	0.	276.	126.	2614.90
.51	6.02	9.00	1.04	.045	.041	.045	.000	2610.70	9968.57
.018190	520.	530.	520.	9	11	0	.00	255.33	10223.90

0
*SECNO 3120.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3120.000	4.14	2632.44	2632.44	.00	2633.82	1.38	10.53	.04	2632.90
5632.	0.	5525.	107.	0.	583.	17.	284.	130.	2628.70
.53	.00	9.48	6.41	.000	.041	.045	.000	2628.30	9833.02
.018206	540.	580.	450.	14	11	0	.00	224.19	10057.21

0
*SECNO 3210.000

HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3210.000	3.04	2642.74	2642.74	.00	2643.55	.81	9.28	.06	2641.70
5632.	25.	5607.	0.	8.	775.	0.	292.	134.	2642.90
.55	3.12	7.23	.00	.045	.041	.000	.000	2639.70	9688.59
.021487	470.	470.	470.	10	19	0	.00	502.87	10191.46

0
*SECNO 3260.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3260.000	3.94	2649.94	2649.94	.00	2650.99	1.05	5.38	.07	2646.00
5632.	47.	5585.	0.	8.	677.	0.	296.	136.	2651.40
.56	5.86	8.25	.00	.045	.041	.000	.000	2646.00	9776.56
.019908	260.	260.	340.	4	11	0	.00	334.01	10149.02

0
1

T1 FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
100-YR FLOOD FREQUENCY MODEL
T3 N. TRIB. GALLOWAY WASH (GA.DAT)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ

```
                4                          .0180                                  2215.64

 12  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM      ITRACE

     3                   -1


1
    3/12/90      18:44:24                                                                                    PAGE   31


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *PROF 3

 CCHV=     .100 CEHV=     .300
 *SECNO 320.000
          *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*********************
          COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
          SECTION 000 = 320 OF GRAPEVINE WASH (HTA)
         *******HTA GRAPEVINE IS  N O T  THE CH2M-HILL GRAPEVINE WASH*****
          QT VALUES FROM CP 59.
          SLOPE AREA METHOD IS USED TO DETERMINE STARTING WSEL
          SECS. 0.27, 0.37 & 0.47 ARE MANUALLY CODED (CH2M)
    [illegible]1.000     5.62  2215.62  2215.54  2215.64  2216.75     1.13      .00      .00  2216.00
     470.       0.    7286.     184.       0.     849.      29.       0.       0.   2212.00
      .00      .00     8.58     6.43     .000     .041     .045     .000  2210.00  9771.48
   .017797      0.       0.       0.        0        6        0      .00   374.34 10145.83
0
 1490 NH CARD USED
 *SECNO 150.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   150.000     4.73  2236.33  2236.33      .00  2237.45     1.12    14.47      .00  2232.00
    7470.     215.    7254.       1.      29.     851.     397.      20.       9.   2235.50
      .03     7.35     8.52      .00     .045     .041   99.000     .000  2231.60  9971.47
   .018860     790.     790.     790.       13       12        0      .00   627.01 10598.48
0
 1490 NH CARD USED
 *SECNO 250.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   250.000     5.82  2247.32  2247.32      .00  2248.42     1.10    10.09      .00  2245.70
    7470.     124.    7345.       1.      31.     866.     369.      35.      17.   2246.80
      .04     3.97     8.48      .00     .045     .041   99.000     .000  2241.50  9936.36
   .019210     530.     530.     530.        6       11        0      .00   610.76 10711.02
0
    [illegible]IH CARD USED
    [illegible]CNO 350.000
1
    3/12/90      18:44:24                                                                                    PAGE   32
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   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   350.000     4.33  2260.33  2260.33      .00  2261.36     1.02     10.47      .01  2256.50
     7470.     102.    7280.      88.      15.     893.      14.      48.      23.   2256.90
       .06     6.76     8.16     6.38     .045     .041     .045     .000  2256.00  9972.14
   .020328     530.     530.     530.       12       19        0      .00   465.46 10593.03
0
 1490 NH CARD USED
 *SECNO 470.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   470.000     4.38  2274.68  2274.68      .00  2275.70     1.02     12.29      .00  2273.10
     7470.      44.    3763.    3663.      12.     488.     431.      62.      30.   2274.30
       .08     3.85     7.72     8.49     .045     .041     .045     .000  2270.30  9948.54
   .018727     630.     630.     630.        3        8        0      .00   498.58 10484.67
0
 1490 NH CARD USED
 *SECNO 600.000

 3265 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   600.000     7.90  2293.30  2293.30      .00  2294.18      .87     12.83      .01  2291.10
     7470.       3.    7039.     428.     545.     914.     194.      80.      40.   2291.40
       .11      .01     7.70     2.21   99.000     .041     .112     .000  2285.40  9499.74
   .020885     530.     680.     570.       20       24        0      .00   827.53 10433.43
0
 *SECNO 680.000

 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
1
    3/12/90       18:44:24                                                                          PAGE   33


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
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  680.000     7.87  2304.17  2304.17      .00  2305.60     1.43     8.19      .17  2300.70
    7470.     419.    7051.       0.      65.     722.       0.      92.      45. 100000.00
      .12     6.43     9.76      .00     .045     .041     .000     .000  2296.30  9926.61
  .018316     420.     420.     390.       8        5        0      .00   293.79 10220.40

 *SECNO 780.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  780.000     4.40  2316.90  2316.90      .00  2318.49     1.59     9.22      .05  2312.70
    7470.     165.    7128.     177.      25.     695.      28.     101.      48.   2313.10
      .13     6.72    10.26     6.40     .045     .041     .045     .000  2312.50  9965.79
  .016670     490.     530.     500.      13       11        0      .00   240.22 10206.01
0
 *SECNO 870.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  870.000     5.36  2328.36  2328.36      .00  2330.24     1.88     7.15      .09  2323.60
    7470.    2936.    4407.     126.     338.     356.      19.     109.      51.   2323.10
      .15     8.70    12.38     6.50     .045     .041     .045     .000  2323.00  9839.01
  .014039     430.     480.     400.      13       11        0      .00   188.97 10027.99
0
 *SECNO 970.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  970.000     4.75  2341.55  2341.55      .00  2343.14     1.59     7.94      .03  2340.90
    7470.     100.    7043.     327.      23.     686.      42.     118.      53.   2337.10
      .16     4.34    10.27     7.82     .045     .041     .045     .000  2336.80  9945.05
  .016088     520.     530.     560.      15       15        0      .00   243.00 10188.05
0
 *SECNO 1050.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
 1050.000     5.54  2352.14  2352.14      .00  2353.93     1.79     6.76      .06  2346.90
    7470.     275.    7195.       0.      36.     664.       0.     125.      55.   2354.10
      .17     7.62    10.84      .00     .045     .041     .000     .000  2346.60  9974.55
  .016101     410.     420.     430.      11        8        0      .00   195.99 10170.54
0
1
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   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 1120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9790.3   10091.7  TYPE=      1  TARGET=    -9790.300
 1120.000     5.45  2360.55  2360.55      .00  2362.02     1.48     6.27      .03100000.00
    7470.       0.    7315.     155.       0.     747.      21.     131.      57.   2355.50
      .18      .00     9.80     7.37     .000     .041     .045     .000  2355.10  9790.30
    .7866     380.     370.     360.       2        8        0      .00   262.92 10053.22
0
 *SECNO 1190.000
 3280 CROSS SECTION   1190.00 EXTENDED      1.72 FEET
```

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= .0 10147.4 TYPE= 1 TARGET= 10147.400

1190.000	5.92	2369.92	2369.92	.00	2371.94	2.02	5.64	.16	2364.50
7470.	114.	6508.	848.	18.	544.	125.	137.	59.	2366.70
.19	6.24	11.96	6.77	.045	.041	.045	.000	2364.00	9978.24
.013169	350.	370.	370.	3	8	0	.00	169.16	10147.40

0

*SECNO 1250.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1250.000	5.56	2377.56	2377.56	.00	2379.36	1.80	4.17	.02	2373.00
7470.	613.	6434.	424.	104.	570.	56.	142.	61.	2372.50
.20	5.92	11.29	7.61	.045	.041	.045	.000	2372.00	9815.52
.012843	340.	320.	320.	13	11	0	.00	222.27	10037.78

0

*SECNO 1320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1320.000	5.94	2387.44	2387.44	.00	2388.90	1.46	5.57	.03	2384.00
7470.	84.	7370.	15.	14.	756.	4.	149.	63.	2386.00
.21	6.01	9.75	3.49	.045	.041	.045	.000	2381.50	9951.83
.017948	350.	370.	390.	20	8	0	.00	279.33	10231.16

0

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 1420.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1420.000	4.84	2399.34	2399.34	.00	2400.71	1.37	9.61	.01	2400.00
7470.	0.	7470.	0.	0.	794.	0.	158.	66.	2400.00
.23	.00	9.41	.00	.000	.041	.000	.000	2394.50	9743.26
.018328	490.	530.	440.	11	15	0	.00	298.42	10041.68

0

1490 NH CARD USED
*SECNO 1530.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1530.000	4.75	2413.75	2413.75	.00	2415.24	1.50	7.89	.04	2410.00
7470.	104.	7343.	22.	21.	742.	6.	169.	70.	2411.00
.24	4.96	9.89	3.73	.045	.032	.045	.000	2409.00	9778.76
.010494	560.	580.	560.	17	8	0	.00	260.57	10039.33

1490 NH CARD USED
*SECNO 1610.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

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3720 CRITICAL DEPTH ASSUMED
 1610.000     3.70  2424.90  2424.90      .00  2426.16     1.26     5.33      .02  2421.20
    7470.      496.    6704.     270.      42.     761.      38.     177.      73.   2421.20
      .26    11.95     8.81     7.04     .032     .039     .045     .000  2421.20  9742.68
     5588     440.     420.     420.       20       15        0      .00   336.82 10079.50

*SECNO 1700.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1700.000     6.30  2437.10  2437.10      .00  2438.47     1.37     8.35      .03  2435.70
    7470.        7.    7463.       0.       2.     795.       0.     186.      76.   2438.20
      .27     3.40     9.39      .00     .045     .041     .000     .000  2430.80  9698.74
  .019564     470.     480.     480.       18       17        0      .00   314.25 10012.99
0
*SECNO 1790.000

3265 DIVIDED FLOW

1
   3/12/90      18:44:24                                                                          PAGE   36


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


7185 MINIMUM SPECIFIC ENERGY
3-   CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10364.7  TYPE=      1  TARGET=    10364.700
 1790.000     5.16  2450.26  2450.26      .00  2451.40     1.13     9.55      .02  2447.10
    7470.       47.    7423.       0.       8.     867.       0.     195.      80. 100000.00
      .29     5.74     8.56      .00     .045     .041     .000     .000  2445.10  9953.89
  .020237     470.     480.     490.       14       15        0      .00   404.42 10364.70
0
*SECNO 1830.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10181.0  TYPE=      1  TARGET=    10181.000
 1830.000     5.55  2456.25  2456.25      .00  2457.59     1.34     3.97      .06  2457.30
    7470.      587.    6883.       0.      74.     734.       0.     199.      82. 100000.00
      .29     7.96     9.38      .00     .045     .041     .000     .000  2450.70  9820.72
  .017740     210.     210.     210.        2        8        0      .00   300.65 10134.15
0
*SECNO 1890.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1890.000     6.06  2464.76  2464.76      .00  2466.33     1.57     5.70      .07  2471.50
    6593.        0.    6484.     109.       0.     641.      16.     204.      84.   2459.00
      .30      .00    10.11     6.96     .000     .041     .045     .000  2458.70  9834.60
   17872     320.     320.     320.        4       14        0      .00   216.75 10051.35
0
1490 NH CARD USED
*SECNO 1990.000
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 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1990.000     4.62  2473.42  2473.42      .00  2474.94     1.52     6.92      .01  2468.80
     6593.     343.    6250.       1.      49.     623.       1.     212.      87.   2472.70
       .32     6.96    10.02     1.56     .045     .031     .045     .000  2468.80  9877.10
   .009988     490.     530.     510.        4       19        0      .00   228.22 10105.32
0
1
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    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 2070.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2070.000     5.24  2484.54  2484.54      .00  2486.12     1.58     5.03      .02  2481.90
     6593.     390.    6033.     170.      57.     582.      39.     219.      89.   2482.30
       .33     6.83    10.37     4.30     .045     .041     .045     .000  2479.30  9924.90
   .014623     420.     420.     420.      20        8        0      .00   221.09 10146.00
0
 *SECNO 2140.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

    ENCROACHMENT STATIONS=          .0   10165.7  TYPE=      1  TARGET=    10165.700
  2140.000     5.76  2493.16  2493.16      .00  2494.54     1.37     6.06      .02  2487.40
     6593.     178.    6415.       0.      23.     679.       0.     225.      91. 100000.00
       .34     7.86     9.45      .00     .045     .041     .000     .000  2487.40  9901.95
   .018445     380.     370.     360.      15        8        0      .00   262.96 10164.91
0
 *SECNO 2200.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2200.000     5.50  2503.30  2503.30      .00  2504.81     1.51     5.84      .04  2503.10
     6593.       0.    6417.     176.       0.     647.      23.     230.      93.   2497.80
       .35      .95     9.91     7.71     .045     .041     .045     .000  2497.80  9805.64
   .018045     350.     320.     290.      15       11        0      .00   234.67 10040.31
0
 *SECNO 2160.000

 3301 HV CHANGED MORE THAN HVINS

  2160.000     5.46  2508.76      .00      .00  2509.74      .99     4.88      .05  2510.00
     6593.       0.    6375.     218.       0.     797.      31.     235.      95.   2503.30
       .36      .00     8.00     6.91     .000     .041     .045     .000  2503.30  9759.94
   .013125     270.     320.     300.        2        0        0      .00   309.08 10069.02
0
 *SECNO 2350.000
 7185 MINIMUM SPECIFIC ENERGY
      CRITICAL DEPTH ASSUMED
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   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


  2350.000     4.16  2520.86  2520.86      .00  2521.97      1.11      7.33      .04  2516.90
     6593.     963.     5629.      1.      91.     700.       1.      244.      98.   2520.50
       .37    10.64     8.04     1.40     .045     .041     .045      .000  2516.70  9861.85
   .018063     460.     480.     500.      15       19        0       .00   357.78 10219.63
0
 *SECNO 2460.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2460.000     3.25  2534.65  2534.65      .00  2535.81      1.16     10.80      .01  2531.60
     6593.      27.     6509.     57.       5.     751.      10.      254.     103.   2531.40
       .39     5.01     8.67     5.81     .045     .041     .045      .000  2531.40  9901.92
   .019207     580.     580.     580.      11       15        0       .00   340.63 10242.55
0
 *SECNO 2570.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9618.5   10054.6  TYPE=      1  TARGET=    -9618.500
  2570.000     5.07  2550.47  2550.47      .00  2551.53      1.06     11.49      .01100000.00
     6593.       0.     6522.     71.       0.     788.      10.      265.     108.   2545.40
       .41      .00     8.28     6.78     .000     .041     .045      .000  2545.40  9618.50
    .0470     550.     580.     540.      16       14        0       .00   393.39 10024.71
0
 1490 NH CARD USED
 *SECNO 2650.000
 1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9799.4   10344.0  TYPE=      1  TARGET=    -9799.400
  2650.000     4.55  2560.15  2560.15      .00  2560.96      .81      6.40      .02100000.00
     6593.       0.     5206.   1387.       0.     856.     133.      273.     112.   2557.00
       .43      .00     6.08    10.46     .000     .040     .036      .000  2555.60  9799.40
   .011722     380.     420.     430.      12       10        0       .00   504.77 10304.17
0
1
   3/12/90      18:44:24                                                                PAGE    39


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


   NH CARD USED
   2730.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2730.000     4.34  2572.04  2572.04      .00  2573.26     1.21     4.78      .12  2569.40
     6593.      40.    6397.     156.      10.     716.      27.     282.     116.   2567.70
       .44     4.09     8.93     5.72     .045     .032     .045     .000  2567.70  9903.08
   .011504     380.     420.     350.       20       11        0      .00   318.77 10224.96
0
 1490 NH CARD USED
 *SECNO 2800.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2800.000     4.11  2582.71  2582.71      .00  2583.77     1.06     4.68      .02  2582.00
     6593.       4.    6077.     513.       2.     759.      46.     289.     119.   2578.60
       .45     1.89     8.01    11.05     .045     .035     .025     .000  2578.60  9667.19
   .013235     370.     380.     370.       20       11        0      .00   388.75 10055.94
0
 *SECNO 2910.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2910.000     3.27  2600.47  2600.47      .00  2601.25      .78     9.52      .03  2599.80
     6593.       4.    6589.       0.       2.     927.       0.     300.     126.   2601.10
       .48     2.28     7.11      .00     .045     .041     .000     .000  2597.20  9644.61
   .020882     560.     580.     590.       13       16        0      .00   591.12 10238.10
0
 *SECNO 3010.000

   HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
1
    3/12/90       18:44:24                                                                    PAGE   40


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


  3010.000     4.70  2615.40  2615.40      .00  2616.79     1.39    10.17      .18  2610.70
     6593.      78.    6513.       2.      13.     686.       1.     310.     131.   2614.90
       .49     6.20     9.50     1.73     .045     .041     .045     .000  2610.70  9968.12
   .017682     520.     530.     520.       13        8        0      .00   258.03 10226.15
0
 *SECNO 3120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  3120.000     4.45  2632.75  2632.75      .00  2634.27     1.52    10.18      .04  2632.90
     6593.       0.    6464.     129.       0.     650.      20.     319.     134.   2628.70
       .51      .00     9.95     6.62     .000     .041     .045     .000  2628.30  9831.86
      7506     540.     580.     450.       15       11        0      .00   226.08 10057.94
0
 *SECNO 3210.000

 3301 HV CHANGED MORE THAN HVINS
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 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
 [illegible]0.000     3.22  2642.92  2642.92      .00  2643.81      .89     8.97      .06  2641.70
      .593.     38.    6555.      0.      11.     862.       0.     327.     138.   2642.90
       .53     3.42     7.60     .00     .045     .041     .000     .000  2639.70  9685.96
   .020906     470.     470.    470.       9       19        0      .00   511.03 10196.98
0
 *SECNO 3260.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  3260.000     4.23  2650.23  2650.23      .00  2651.32     1.09     5.18      .06  2646.00
     6593.     55.    6538.      0.       9.     778.       0.     332.     141.   2651.40
       .53     6.01     8.40     .00     .045     .041     .000     .000  2646.00  9776.25
   .019007     260.     260.    340.       4       11        0      .00   360.43 10154.25
0
1
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 T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
 T2      500-YR FLOOD FREQUENCY MODEL
 T3      N. TRIB. GALLOWAY WASH    (GA.DAT)


 J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

                5                         .0180                              2216.20

 J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

      15                 -1


1
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   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


 *PROF 4

 CCHV=     .100 CEHV=     .300
 *SECNO 320.000
          *****REVISED STREAMFLOWS FROM CVCRK43R.OUT*********************
          COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
          SECTION 000 = 320 OF GRAPEVINE WASH (HTA)
         *******HTA GRAPEVINE IS  N O T  THE CH2M-HILL GRAPEVINE WASH*****
          QT VALUES FROM CP 59.
          SLOPE AREA METHOD IS USED TO DETERMINE STARTING WSEL
          SECS. 0.27, 0.37 & 0.47 ARE MANUALLY CODED (CH2M)
  320.000     6.18  2216.18  2216.06  2216.20  2217.30     1.12      .00      .00  2216.00
    9393.       0.    9121.     272.       0.    1070.      38.       0.       0.   2212.00
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      .00      .88     8.53     7.12     .045     .041     .045     .000  2210.00  9666.92
   .018003       0.       0.       0.        0        5        0      .00   481.36 10148.27
0
    NH CARD USED
    O 150.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   150.000     5.10  2236.70  2236.70      .00  2238.00     1.30    14.18      .05  2232.00
     9393.     261.    9130.       2.      35.     993.     485.      24.      10.   2235.50
       .02     7.56     9.20      .00     .045     .041   99.000     .000  2231.60  9970.30
   .017893     790.     790.     790.       14       12        0      .00   631.33 10601.63
0
 1490 NH CARD USED
 *SECNO 250.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   250.000     6.15  2247.65  2247.65      .00  2248.94     1.29     9.68      .00  2245.70
     9393.     203.    9189.       2.      46.    1000.     434.      42.      18.   2246.80
       .04     4.44     9.19      .00     .045     .041   99.000     .000  2241.50  9928.28
   .018644     530.     530.     530.        5       11        0      .00   647.28 10712.82
0
 1490 NH CARD USED
 *SECNO 350.000
1
    3/12/90       18:44:24                                                                  PAGE    43

    _CNO     DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   350.000     4.65  2260.65  2260.65      .00  2261.84     1.19    10.56      .01  2256.50
     9393.     129.    9150.     114.      18.    1042.      16.      58.      25.   2256.90
       .06     7.31     8.78     6.94     .045     .041     .045     .000  2256.00  9971.49
   .021336     530.     530.     530.       12       15        0      .00   503.85 10593.77
0
 1490 NH CARD USED
 *SECNO 470.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   470.000     4.79  2275.09  2275.09      .00  2276.16     1.07    12.25      .01  2273.10
     9393.      79.    4677.    4636.      18.     597.     527.      74.      32.   2274.30
       .08     4.37     7.84     8.80     .045     .041     .045     .000  2270.30  9944.82
   .017804     630.     630.     630.        4        8        0      .00   544.16 10488.98

    NH CARD USED
 *SECNO 600.000

 3265 DIVIDED FLOW
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3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  680.000     8.18  2293.58  2293.58      .00  2294.59     1.01    12.27      .01  2291.10
     393.       3.     8786.     604.     585.     1056.     242.     95.      42.   2291.40
      .10      .01     8.32     2.49   99.000      .041     .107    .000  2285.40  9498.18
  .020136     530.     680.     570.       20        20        0     .00   844.45 10434.11
0
*SECNO 680.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
1
   3/12/90      18:44:24                                                                                PAGE   44


   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


  680.000     8.32  2304.62  2304.62      .00  2306.28     1.66     7.87      .19  2300.70
     9393.     586.     8807.       0.      83.      837.       0.     109.      48. 100000.00
      .11     7.06     10.53      .00     .045      .041     .000     .000  2296.30  9922.86
    17547     420.      420.     390.       7         8        0      .00   297.54 10220.40

*SECNO 780.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  780.000     4.92  2317.42  2317.42      .00  2319.27     1.85     8.82      .06  2312.70
     9393.     221.     8929.     243.      31.      806.      36.     119.      51.   2313.10
      .13     7.10     11.07     6.82     .045      .041     .045     .000  2312.50  9964.35
  .015941     490.      530.     500.       13        14        0      .00   243.65 10208.00
0
*SECNO 870.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  870.000     6.00  2329.00  2329.00      .00  2331.15     2.15     6.89      .09  2323.60
     9393.    3889.     5334.     169.     409.      402.      24.     129.      53.   2323.10
      .14     9.52     13.26     6.93     .045      .041     .045     .000  2323.00  9834.12
  .013673     430.      480.     400.       14        11        0      .00   194.76 10028.88
0
*SECNO 970.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  970.000     5.27  2342.07  2342.07      .00  2343.91     1.83     7.66      .03  2340.90
     9393.     190.     8770.     434.      35.      793.      51.     139.      56.   2337.10
      .15     5.43     11.06     8.56     .045      .041     .045     .000  2336.80  9943.96
  .015387     520.      530.     560.       16        15        0      .00   244.74 10188.70
0
  D 1050.000
5 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1050.000     6.15  2352.75  2352.75      .00  2354.81     2.06     6.55      .07  2346.90
     9393.     364.     9029.       0.      45.      776.       0.     147.      58.   2354.10
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      .16     8.12    11.64      .00     .045     .041     .000     .000  2346.60  9972.97
   .015818    410.     420.     430.       12       11        0      .00   203.99 10176.96
0
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   SECNO    DEPTH    CWSEL    CRIWS    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    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID      ENDST


 *SECNO 1120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9790.3   10091.7  TYPE=      1  TARGET=    -9790.300
  1120.000     5.90  2361.00  2361.00      .00  2362.75     1.75     6.15      .03100000.00
    9393.       0.    9200.     193.       0.     863.      25.     154.      60.   2355.50
      .17      .00    10.66     7.72     .000     .041     .045     .000  2355.10  9790.30
   .017465     380.     370.     360.        8       11        0      .00   263.67 10053.97
0
 *SECNO 1190.000
 3280 CROSS SECTION   1190.00 EXTENDED      2.39 FEET


 3301 HV CHANGED MORE THAN HVINS

 3685 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=         .0   10147.4  TYPE=      1  TARGET=    10147.400
  1190.000     6.59  2370.59  2370.59      .00  2372.93     2.33     5.51      .18  2364.50
    9393.     155.    7993.    1245.      23.     620.     160.     162.      62.   2366.70
      .18     6.68    12.90     7.80     .045     .041     .045     .000  2364.00  9977.40
   .012879    350.     370.     370.        7        8        0      .00   170.00 10147.40
0
 *SECNO 1250.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1250.000     6.25  2378.25  2378.25      .00  2380.21     1.96     3.97      .04  2373.00
    9393.     989.    7822.     582.     163.     656.      73.     168.      64.   2372.50
      .19     6.06    11.92     8.02     .045     .041     .045     .000  2372.00  9791.36
   .011866    340.     320.     320.       20       11        0      .00   249.87 10041.23
0
 *SECNO 1320.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1320.000     6.41  2387.91  2387.91      .00  2389.60     1.69     5.20      .03  2384.00
    9393.     116.    9245.      32.      18.     881.       8.     175.      66.   2386.00
      .20     6.36    10.50     4.10     .045     .041     .045     .000  2381.50  9950.71
   .016938    350.     370.     390.       20        8        0      .00   282.48 10233.19
1
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   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 *SECNO 1420.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1420.000     5.32  2399.82  2399.82      .00  2401.37      1.55      9.10       .01  2400.00
     9393.       0.     9393.       0.       0.     940.       0.      187.       70.   2400.00
       .21      .00      9.99      .00     .000     .041     .000      .000  2394.50  9733.69
   .017417     490.      530.     440.       12       15        0       .00   310.39 10044.08
0
 1490 NH CARD USED
 *SECNO 1530.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1530.000     5.20  2414.20  2414.20      .00  2415.98      1.78      7.83       .07  2410.00
     9393.     144.     9216.       34.      26.     854.       8.      199.       73.   2411.00
       .23     5.43     10.80     4.19     .045     .033     .045      .000  2409.00  9777.40
   .010779     560.      580.     560.       18        5        0       .00   262.65 10040.05
0
 1490 NH CARD USED
 *SECNO 1610.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1610.000     4.11  2425.31  2425.31      .00  2426.77      1.46      5.34       .03  2421.20
     9393.     598.     8442.      352.      48.     885.      46.      208.       76.   2421.20
       .24    12.46      9.54     7.62     .032     .039     .045      .000  2421.20  9741.87
   .015138     440.      420.     420.       20       15        0       .00   338.81 10080.68
0
 *SECNO 1700.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1700.000     6.73  2437.53  2437.53      .00  2439.11      1.58      7.98       .04  2435.70
     9393.      14.     9379.       0.       4.     930.       0.      218.       80.   2438.20
       .25     3.95     10.08      .00     .045     .041     .000      .000  2430.80  9697.82
   .018359     470.      480.     480.       18       17        0       .00   316.28 10014.10
0
 *SECNO 1790.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
1
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   SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

 ENCROACHMENT STATIONS=          .0   10364.7  TYPE=      1  TARGET=    10364.700
  1790.000     5.63  2450.73  2450.73      .00  2451.94      1.20      8.45       .04  2447.10
     9393.      63.     9330.       0.      11.    1057.       0.      229.       84. 100000.00
       .27     5.75      8.82     .00     .045     .041     .000      .000  2445.10  9953.11
   .016882     470.      480.     490.       16       10        0       .00   411.58 10364.70
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0
 *SECNO 1830.000

 3725 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10181.0  TYPE=      1  TARGET=    10181.000
  1830.000     6.05  2456.75  2456.75      .00  2458.20     1.45     3.74      .07  2457.30
     9393.     791.    8602.       0.      90.     883.       0.     234.      86. 100000.00
       .27     8.75     9.74      .00     .045     .041     .000     .000  2450.70  9819.84
   .018790     210.     210.     210.       20        8        0      .00   354.50 10181.00
0
 *SECNO 1890.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1890.000     6.61  2465.31  2465.31      .00  2467.09     1.79     5.71      .10  2471.50
     8303.       0.    8168.     135.       0.     758.      19.     241.      88.   2459.00
       .28      .00    10.77     7.18     .000     .041     .045     .000  2458.70  9828.35
   .016881     320.     320.     320.        2        8        0      .00   223.51 10051.86
0
 1490 NH CARD USED
 *SECNO 1990.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  1990.000     5.12  2473.92  2473.92      .00  2475.68     1.76     6.68      .00  2468.80
     8303.     434.    7865.       3.      58.     728.       2.     250.      91.   2472.70
       .30     7.48    10.81     2.19     .045     .031     .045     .000  2468.80  9876.26
    .09809     490.     530.     510.        3       15        0      .00   230.12 10106.38
0
1
    3/12/90      18:44:24                                                                    PAGE   48


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 2070.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2070.000     5.79  2485.09  2485.09      .00  2486.89     1.80     4.87      .01  2481.90
     8303.     548.    7456.     298.      72.     670.      61.     258.      93.   2482.30
       .31     7.63    11.13     4.87     .045     .041     .045     .000  2479.30  9923.98
   .013946     420.     420.     420.       20        8        0      .00   230.71 10154.69
0
 *SECNO 2140.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=          .0   10165.7  TYPE=      1  TARGET=    10165.700
  2140.000     6.20  2493.60  2493.60      .00  2495.21     1.61     5.82      .02  2487.40
     8303.     212.    8091.       0.      26.     790.       0.     265.      95. 100000.00
       .32     8.12    10.24      .00     .045     .041     .000     .000  2487.40  9901.37
   .017836     380.     370.     360.       16        8        0      .00   264.33 10165.70
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0
 *SECNO 2200.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
      0.000     6.04  2503.84  2503.84      .00  2505.53     1.70     5.43      .02  2503.10
     8303.       11.    8078.     214.       5.     768.      28.     271.      97.   2497.80
       .32     2.16     10.52     7.78     .045     .041     .045     .000  2497.80  9795.60
   .016179     350.     320.     290.       15        8        0      .00   245.53 10041.13
0
 *SECNO 2160.000
  2160.000     5.83  2509.13      .00      .00  2510.34     1.21     4.76      .05  2510.00
     8303.       0.    8030.     273.       0.     905.      36.     277.      99.   2503.30
       .33      .00     8.87     7.65     .000     .041     .045     .000  2503.30  9757.49
   .013762     270.     320.     300.        3        0        0      .00   311.94 10069.43
0
 *SECNO 2350.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2350.000     4.52  2521.22  2521.22      .00  2522.51     1.29     7.40      .02  2516.90
     8303.     1101.    7197.       5.     100.     820.       2.     287.     103.   2520.50
       .35    11.06     8.78     2.20     .045     .041     .045     .000  2516.70  9861.50
   .017481     460.     480.     500.       15       19        0      .00   361.49 10222.99
0
1
    3/12/90       18:44:24                                                                          PAGE   49


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 2460.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2460.000     3.63  2535.03  2535.03      .00  2536.37     1.35    10.34      .02  2531.60
     8303.       35.    8193.      75.       7.     877.      12.     299.     107.   2531.40
       .37     5.27     9.35     6.08     .045     .041     .045     .000  2531.40  9901.49
   .018170     580.     580.     580.       12       15        0      .00   341.77 10243.25
0
 *SECNO 2570.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9618.5   10054.6  TYPE=      1  TARGET=    -9618.500
  2570.000     5.41  2550.81  2550.81      .00  2552.04     1.23    11.09      .01100000.00
     8303.       0.    8217.      86.       0.     921.      12.     312.     112.   2545.40
       .38      .00     8.92     7.08     .000     .041     .045     .000  2545.40  9618.50
   .020177     550.     580.     540.       18       14        0      .00   406.82 10025.32
0
 1490 NH CARD USED
 *SECNO 2650.000
 1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
 7185 MINIMUM SPECIFIC ENERGY
      CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=     9799.4   10344.0  TYPE=      1  TARGET=    -9799.400
  2650.000     4.85  2560.45  2560.45      .00  2561.38      .93     6.41      .03100000.00
     8303.       0.    6717.    1586.       0.     994.     144.     322.     117.   2557.00
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      .40      .00     6.76    11.02     .000     .040     .036     .000  2555.60  9799.40
   .011899     380.     420.     430.        4       10        0      .00   505.33 10304.73
0
 1490 NH CARD USED
 *SECNO 2730.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2730.000     4.76  2572.46  2572.46      .00  2573.85     1.39     4.80      .14  2569.40
     8303.      58.    8046.     198.      13.     842.      33.     331.     121.   2567.70
       .41     4.49     9.55     6.05     .045     .033     .045     .000  2567.70  9901.92
   .011396     380.     420.     350.       20        8        0      .00   324.25 10226.17
0
1
    3/12/90      18:44:24                                                                    PAGE   50


    SECNO     DEPTH     CWSEL     CRIWS     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     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 1490 NH CARD USED
 *SECNO 2800.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2800.000     4.47  2583.07  2583.07      .00  2584.29     1.22     4.58      .02  2582.00
     8303.      11.    7642.     650.       4.     889.      56.     339.     124.   2578.60
       .42     2.45     8.59    11.55     .045     .036     .025     .000  2578.60  9664.46
   .012786     370.     380.     370.       20       12        0      .00   393.83 10058.28
0
 *SECNO 2910.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  2910.000     3.51  2600.71  2600.71      .00  2601.64      .93     9.36      .03  2599.80
     8303.      10.    8293.       0.       3.    1073.       0.     353.     130.   2601.10
       .45     2.82     7.73      .00     .045     .041     .000     .000  2597.20  9642.54
   .020952     560.     580.     590.       15       15        0      .00   606.74 10249.28
0
 *SECNO 3010.000

 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
  3010.000     5.15  2615.85  2615.85      .00  2617.48     1.63     9.95      .21  2610.70
     8303.     101.    8192.      10.      16.     797.       4.     364.     136.   2614.90
       .46     6.50    10.28     2.60     .045     .041     .045     .000  2610.70  9967.39
   .016938     520.     530.     520.       12       14        0      .00   262.51 10229.90
0
 *SECNO 3120.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
      .000     4.98  2633.28  2633.28      .00  2635.01     1.74     9.57      .03  2632.90
     8303.       1.    8130.     172.       1.     764.      25.     375.     139.   2628.70
       .47     1.38    10.64     6.91     .045     .041     .045     .000  2628.30  9828.12
   .016168     540.     580.     450.       16        8        0      .00   231.08 10059.20
0
```

*SECNO 3210.000

1

SECNO	DEPTH	CWSEL	CRIWS	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3210.000	3.51	2643.21	2643.21	.00	2644.24	1.04	8.40	.07	2641.70
8303.	65.	8238.	0.	17.	1004.	0.	385.	143.	2642.90
.49	3.84	8.20	1.31	.045	.041	.045	.000	2639.70	9681.67
.019844	470.	470.	470.	11	19	0	.00	516.70	10198.37

0

*SECNO 3260.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3260.000	4.61	2650.61	2650.61	.00	2651.85	1.24	5.04	.06	2646.00
8303.	69.	8234.	0.	11.	918.	0.	390.	146.	2651.40
.50	6.35	8.97	.00	.045	.041	.000	.000	2646.00	9775.87
.018949	260.	260.	340.	3	11	0	.00	385.02	10160.88

0

THIS RUN EXECUTED 3/12/90 18:47:17

****
HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01,02,03
MODIFICATION -
****

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

N. TRIB. GALLOWAY WASH

SUMMARY PRINTOUT

SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
320.000	2214.87	4265.00	4.87	.00	7.06	5.54	.00	4165.14	99.86	348.66	179.99	.00
320.000	2215.38	6389.00	5.38	.00	8.15	6.18	.00	6234.67	154.33	366.18	179.75	.00
320.000	2215.62	7470.00	5.62	.00	8.58	6.43	.00	7285.98	184.02	374.34	177.97	.00
320.000	2216.18	9393.00	6.18	.88	8.53	7.12	.24	9121.23	271.53	481.36	180.03	.00

*	150.000	2235.67	4265.00	4.07	6.71	6.88	.00	140.96	4123.46	.58	619.02	196.34	20.80
*	150.000	2236.13	6389.00	4.53	7.10	7.99	.00	189.38	6198.64	.99	624.63	187.34	20.75
*	150.000	2236.33	7470.00	4.73	7.35	8.52	.00	215.20	7253.59	1.20	627.01	188.60	20.71
	150.000	2236.70	9393.00	5.10	7.56	9.20	.00	261.24	9130.14	1.61	631.33	178.93	20.53
	250.000	2246.63	4265.00	5.13	2.94	7.10	.00	30.38	4233.54	1.09	541.82	219.67	10.97
*	250.000	2247.11	6389.00	5.61	3.66	8.03	.00	86.94	6300.70	1.35	588.40	196.73	10.98
*	250.000	2247.32	7470.00	5.82	3.97	8.48	.00	123.84	7344.66	1.50	610.76	192.10	10.99
*	250.000	2247.65	9393.00	6.15	4.44	9.19	.00	202.51	9188.73	1.76	647.28	186.44	10.95
*	350.000	2259.40	4265.00	3.40	5.79	7.67	5.32	50.05	4175.91	39.04	326.34	215.38	12.77
*	350.000	2260.06	6389.00	4.06	6.45	8.02	6.05	83.97	6234.27	70.76	417.10	203.87	12.95
*	350.000	2260.33	7470.00	4.33	6.76	8.16	6.38	101.88	7280.20	87.92	465.46	203.28	13.02
*	350.000	2260.65	9393.00	4.65	7.31	8.78	6.94	129.11	9149.80	114.09	503.85	213.36	13.00
*	470.000	2274.01	4265.00	3.71	2.66	6.10	7.66	10.21	1985.87	2268.92	412.18	185.24	14.61
*	470.000	2274.50	6389.00	4.20	3.49	7.17	8.16	31.66	3181.27	3176.07	491.74	180.23	14.44
*	470.000	2274.68	7470.00	4.38	3.85	7.72	8.49	44.40	3762.72	3662.88	498.58	187.27	14.35
*	470.000	2275.09	9393.00	4.79	4.37	7.84	8.80	79.34	4677.21	4636.44	544.16	178.04	14.44
*	600.000	2292.71	4265.00	7.31	.01	6.73	1.73	2.56	4082.82	179.61	790.80	275.46	18.69
*	600.000	2293.13	6389.00	7.73	.01	7.34	2.04	2.77	6048.34	337.89	816.70	218.42	18.62
*	600.000	2293.30	7470.00	7.90	.01	7.70	2.21	2.91	7038.70	428.38	827.53	208.85	18.62
*	600.000	2293.58	9393.00	8.18	.01	8.32	2.49	3.20	8786.30	603.50	844.45	201.36	18.49
*	680.000	2303.32	4265.00	7.02	5.51	8.01	.00	205.48	4059.52	.00	281.93	194.62	10.62
*	680.000	2303.95	6389.00	7.65	6.03	9.06	.00	345.34	6043.65	.00	290.93	175.08	10.82
*	680.000	2304.17	7470.00	7.87	6.43	9.76	.00	419.47	7050.53	.00	293.79	183.16	10.86
*	680.000	2304.62	9393.00	8.32	7.06	10.53	.00	586.02	8806.98	.00	297.54	175.47	11.03

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	780.000	2315.90	4265.00	3.40	5.95	8.52	5.54	85.08	4096.74	83.18	233.62	187.74	12.58
*	780.000	2316.57	6389.00	4.07	6.52	9.79	6.18	136.30	6110.50	142.20	238.04	175.07	12.62
*	780.000	2316.90	7470.00	4.40	6.72	10.26	6.40	165.37	7127.91	176.72	240.22	166.70	12.74
*	780.000	2317.42	9393.00	4.92	7.10	11.07	6.82	220.72	8929.05	243.23	243.65	159.41	12.81
*	870.000	2327.14	4265.00	4.14	6.75	10.41	5.55	1419.83	2781.51	63.66	177.89	145.59	11.24
*	870.000	2327.98	6389.00	4.98	8.14	11.81	6.23	2412.72	3872.30	103.98	185.48	142.41	11.40
*	870.000	2328.36	7470.00	5.36	8.70	12.38	6.50	2936.25	4407.31	126.44	188.97	140.39	11.46
*	870.000	2329.00	9393.00	6.00	9.52	13.26	6.93	3889.26	5334.43	169.30	194.76	136.73	11.58
*	970.000	2340.49	4265.00	3.69	1.76	8.72	6.30	4.89	4103.04	157.06	225.51	186.00	13.35
*	970.000	2341.23	6389.00	4.43	3.54	9.76	7.33	57.57	6063.22	268.21	241.94	166.14	13.26
*	970.000	2341.55	7470.00	4.75	4.34	10.27	7.82	100.28	7042.62	327.10	243.00	160.88	13.19
*	970.000	2342.07	9393.00	5.27	5.43	11.06	8.56	189.58	8769.51	433.90	244.74	153.87	13.07
*	1050.000	2350.90	4265.00	4.30	6.73	9.24	.00	141.37	4123.63	.00	179.50	180.20	10.41
*	1050.000	2351.76	6389.00	5.16	7.34	10.37	.00	227.10	6161.90	.00	190.84	165.85	10.52
*	1050.000	2352.14	7470.00	5.54	7.62	10.84	.00	274.58	7195.42	.00	195.99	161.01	10.59
	1050.000	2352.75	9393.00	6.15	8.12	11.64	.00	363.61	9029.39	.00	203.99	158.18	10.67
*	1120.000	2359.58	4265.00	4.48	.00	8.29	6.82	.00	4171.27	93.73	250.10	202.71	8.68
*	1120.000	2360.23	6389.00	5.13	.00	9.40	7.30	.00	6254.59	134.41	262.39	191.19	8.47
*	1120.000	2360.55	7470.00	5.45	.00	9.80	7.37	.00	7315.42	154.58	262.92	178.66	8.40
*	1120.000	2361.00	9393.00	5.90	.00	10.66	7.72	.00	9200.33	192.67	263.67	174.65	8.26

*	1190.000	2368.62	4265.00	4.62	5.30	9.91	4.26	55.98	3956.58	252.44	167.53	136.71	9.03
*	1190.000	2369.51	6389.00	5.51	5.96	11.35	6.07	93.23	5661.53	634.23	168.65	133.42	9.28
*	1190.000	2369.92	7470.00	5.92	6.24	11.96	6.77	114.18	6508.08	847.74	169.16	131.69	9.37
	190.000	2370.59	9393.00	6.59	6.68	12.90	7.80	154.56	7993.15	1245.28	170.00	128.79	9.59
*	1250.000	2376.17	4265.00	4.17	5.71	9.80	6.26	194.01	3889.76	181.24	166.94	156.67	7.56
*	1250.000	2377.13	6389.00	5.13	5.89	10.87	7.30	440.71	5609.89	338.40	205.13	135.69	7.62
*	1250.000	2377.56	7470.00	5.56	5.92	11.29	7.61	612.55	6433.73	423.72	222.27	128.43	7.64
*	1250.000	2378.25	9393.00	6.25	6.06	11.92	8.02	988.82	7822.11	582.07	249.87	118.66	7.65
*	1320.000	2386.53	4265.00	5.03	5.32	8.20	1.95	40.44	4223.39	1.17	273.28	211.72	10.36
*	1320.000	2387.18	6389.00	5.68	5.73	9.20	3.07	68.69	6311.22	9.09	277.58	181.47	10.05
*	1320.000	2387.44	7470.00	5.94	6.01	9.75	3.49	84.39	7370.15	15.46	279.33	179.48	9.88
*	1320.000	2387.91	9393.00	6.41	6.36	10.50	4.10	115.59	9245.37	32.04	282.48	169.38	9.66
*	1420.000	2398.42	4265.00	3.92	.00	8.01	.00	.00	4265.00	.00	271.09	199.23	11.90
*	1420.000	2399.05	6389.00	4.55	.00	9.01	.00	.00	6389.00	.00	291.21	189.31	11.87
*	1420.000	2399.34	7470.00	4.84	.00	9.41	.00	.00	7470.00	.00	298.42	183.28	11.90
*	1420.000	2399.82	9393.00	5.32	.00	9.99	.00	.00	9393.00	.00	310.39	174.17	11.91
*	1530.000	2412.81	4265.00	3.81	4.05	8.19	2.80	48.03	4209.71	7.25	256.30	102.28	14.39
*	1530.000	2413.45	6389.00	4.45	4.70	9.39	3.46	83.83	6288.78	16.39	259.22	104.92	14.40
*	1530.000	2413.75	7470.00	4.75	4.96	9.89	3.73	104.41	7343.37	22.22	260.57	104.94	14.41
*	1530.000	2414.20	9393.00	5.20	5.43	10.80	4.19	143.58	9215.55	33.87	262.65	107.79	14.38

1

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	1610.000	2424.13	4265.00	2.93	10.72	7.22	5.65	323.28	3801.39	140.33	333.04	163.88	11.31
*	1610.000	2424.66	6389.00	3.46	11.60	8.34	6.65	438.34	5725.28	225.38	335.62	158.65	11.21
*	1610.000	2424.90	7470.00	3.70	11.95	8.81	7.04	496.07	6703.76	270.17	336.82	155.88	11.16
*	1610.000	2425.31	9393.00	4.11	12.46	9.54	7.62	598.36	8442.42	352.21	338.81	151.38	11.11
*	1700.000	2436.32	4265.00	5.52	2.04	7.72	.00	.82	4264.18	.00	306.21	208.78	12.19
*	1700.000	2436.86	6389.00	6.06	3.02	8.87	.00	4.28	6384.72	.00	313.12	198.92	12.20
*	1700.000	2437.10	7470.00	6.30	3.40	9.39	.00	7.04	7462.96	.00	314.25	195.64	12.20
*	1700.000	2437.53	9393.00	6.73	3.95	10.08	.00	14.04	9378.96	.00	316.28	183.59	12.22
*	1790.000	2449.50	4265.00	4.40	4.88	7.35	.00	23.08	4241.92	.00	348.96	210.98	13.18
*	1790.000	2450.02	6389.00	4.92	5.56	8.23	.00	39.05	6349.94	.00	393.60	210.72	13.16
*	1790.000	2450.26	7470.00	5.16	5.74	8.56	.00	47.33	7422.67	.00	404.42	202.37	13.16
*	1790.000	2450.73	9393.00	5.63	5.75	8.82	.00	62.56	9330.44	.00	411.58	168.82	13.20
*	1830.000	2454.57	4265.00	3.87	5.92	9.64	.00	178.95	4086.05	.00	168.35	175.77	5.07
*	1830.000	2455.55	6389.00	4.85	6.95	10.25	.00	371.96	6017.04	.00	206.48	166.72	5.53
*	1830.000	2456.25	7470.00	5.55	7.96	9.38	.00	587.42	6882.58	.00	300.65	177.40	5.99
*	1830.000	2456.75	9393.00	6.05	8.75	9.74	.00	790.73	8602.27	.00	354.50	187.90	6.02
*	1890.000	2462.64	3751.00	3.94	.00	10.22	4.96	.00	3720.01	30.99	115.82	167.75	8.06
*	1890.000	2463.66	5632.00	4.96	.00	11.61	5.60	.00	5574.54	57.45	118.63	153.72	8.10
*	1890.000	2464.76	6593.00	6.06	.00	10.11	6.96	.00	6483.75	109.25	216.75	178.72	8.51
	390.000	2465.31	8303.00	6.61	.00	10.77	7.18	.00	8167.89	135.11	223.51	168.81	8.55
*	1990.000	2472.43	3751.00	3.63	5.69	8.48	.00	188.21	3562.79	.00	212.34	101.87	9.80
*	1990.000	2473.12	5632.00	4.32	6.62	9.53	1.09	291.75	5340.05	.20	227.07	101.04	9.46
*	1990.000	2473.42	6593.00	4.62	6.96	10.02	1.56	342.59	6249.56	.85	228.22	99.88	8.66

*	1990.000	2473.92	8303.00	5.12	7.48	10.81	2.19	434.07	7865.49	3.44	230.12	98.09	8.61
*	2070.000	2483.47	3751.00	4.17	4.88	8.70	2.95	145.70	3573.66	31.63	202.46	163.85	11.04
*	2070.000	2484.20	5632.00	4.90	6.29	9.88	3.92	303.91	5216.48	111.62	215.23	151.10	11.09
	2070.000	2484.54	6593.00	5.24	6.83	10.37	4.30	390.03	6033.30	169.66	221.09	146.23	11.12
	2070.000	2485.09	8303.00	5.79	7.63	11.13	4.87	548.29	7456.28	298.42	230.71	139.46	11.18
*	2140.000	2492.21	3751.00	4.81	7.53	8.14	.00	118.74	3632.25	.00	241.60	215.32	8.74
*	2140.000	2492.89	5632.00	5.49	7.66	8.98	.00	156.97	5475.03	.00	256.75	186.90	8.68
*	2140.000	2493.16	6593.00	5.76	7.86	9.45	.00	177.80	6415.20	.00	262.96	184.45	8.62
*	2140.000	2493.60	8303.00	6.20	8.12	10.24	.00	212.09	8090.91	.00	264.33	178.36	8.50
*	2200.000	2502.26	3751.00	4.46	.00	8.55	7.03	.00	3645.48	105.52	203.42	198.65	10.04
*	2200.000	2503.00	5632.00	5.20	.00	9.44	7.53	.00	5478.26	153.74	227.37	185.53	10.11
*	2200.000	2503.30	6593.00	5.50	.95	9.91	7.71	.34	6416.50	176.15	234.67	180.45	10.13
*	2200.000	2503.84	8303.00	6.04	2.16	10.52	7.78	10.94	8077.74	214.32	245.53	161.79	10.24
	2160.000	2507.95	3751.00	4.65	.00	6.46	6.28	.00	3607.52	143.48	301.90	134.20	5.69
	2160.000	2508.51	5632.00	5.21	.00	7.55	6.72	.00	5439.73	192.27	306.81	132.44	5.51
	2160.000	2508.76	6593.00	5.46	.00	8.00	6.91	.00	6375.44	217.56	309.08	131.25	5.46
	2160.000	2509.13	8303.00	5.83	.00	8.87	7.65	.00	8029.62	273.38	311.94	137.62	5.29

1

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	2350.000	2520.26	3751.00	3.56	9.01	6.10	.00	683.10	3067.90	.00	349.52	159.31	12.31
	2350.000	2520.65	5632.00	3.95	10.33	7.53	.78	881.46	4750.46	.08	355.62	182.26	12.14
	2350.000	2520.86	6593.00	4.16	10.64	8.04	1.40	963.45	5628.71	.83	357.78	180.63	12.10
*	2350.000	2521.22	8303.00	4.52	11.06	8.78	2.20	1100.79	7196.91	5.30	361.49	174.81	12.09
*	2460.000	2533.93	3751.00	2.53	4.49	7.20	5.27	13.96	3705.55	31.49	338.48	219.53	13.68
*	2460.000	2534.43	5632.00	3.03	4.83	8.20	5.62	22.06	5561.96	47.98	339.97	197.27	13.78
*	2460.000	2534.65	6593.00	3.25	5.01	8.67	5.81	26.60	6509.30	57.10	340.63	192.07	13.79
*	2460.000	2535.03	8303.00	3.63	5.27	9.35	6.08	35.38	8193.05	74.57	341.77	181.70	13.81
*	2570.000	2549.73	3751.00	4.33	.00	7.21	6.18	.00	3705.21	45.79	349.84	234.99	15.79
*	2570.000	2550.23	5632.00	4.83	.00	8.01	6.67	.00	5569.49	62.51	379.19	215.91	15.80
*	2570.000	2550.47	6593.00	5.07	.00	8.28	6.78	.00	6521.93	71.06	393.39	204.70	15.82
*	2570.000	2550.81	8303.00	5.41	.00	8.92	7.08	.00	8216.69	86.31	406.82	201.77	15.78
*	2650.000	2559.43	3751.00	3.83	.00	5.12	9.33	.00	2765.48	985.51	440.08	120.61	9.70
*	2650.000	2559.84	5632.00	4.24	.00	6.14	10.54	.00	4360.64	1271.36	464.31	132.18	9.61
*	2650.000	2560.15	6593.00	4.55	.00	6.08	10.46	.00	5206.00	1387.00	504.77	117.22	9.68
*	2650.000	2560.45	8303.00	4.85	.00	6.76	11.02	.00	6717.42	1585.58	505.33	118.99	9.64
*	2730.000	2571.13	3751.00	3.43	3.16	7.86	5.01	13.05	3652.85	85.09	266.20	121.30	11.70
*	2730.000	2571.78	5632.00	4.08	3.80	8.55	5.46	29.80	5470.80	131.40	303.29	113.94	11.94
*	2730.000	2572.04	6593.00	4.34	4.09	8.93	5.72	39.59	6397.47	155.94	318.77	115.04	11.89
*	2730.000	2572.46	8303.00	4.76	4.49	9.55	6.05	58.27	8046.47	198.26	324.25	113.96	12.01
*	2800.000	2582.06	3751.00	3.46	.04	6.55	9.76	.00	3446.06	304.94	379.07	128.22	10.93
*	2800.000	2582.49	5632.00	3.89	1.49	7.62	10.76	1.35	5189.55	441.10	385.52	134.44	10.71
	2800.000	2582.71	6593.00	4.11	1.89	8.01	11.05	3.55	6076.69	512.76	388.75	132.35	10.67
	2800.000	2583.07	8303.00	4.47	2.45	8.59	11.55	10.57	7642.40	650.03	393.83	127.86	10.61
*	2910.000	2599.91	3751.00	2.71	.05	6.14	.00	.00	3751.00	.00	544.80	246.50	17.85
*	2910.000	2600.27	5632.00	3.07	1.90	6.90	.00	1.79	5630.20	.00	579.57	228.33	17.78

*	2910.000	2600.47	6593.00	3.27	2.28	7.11	.00	4.25	6588.75	.00	591.12	208.82	17.76
*	2910.000	2600.71	8303.00	3.51	2.82	7.73	.00	9.84	8293.16	.00	606.74	209.52	17.64
*	3010.000	2614.45	3751.00	3.75	5.47	8.14	.00	40.00	3711.00	.00	225.79	192.61	14.54
	3010.000	2615.13	5632.00	4.43	6.02	9.00	1.04	65.66	5566.11	.23	255.33	181.90	14.85
	3010.000	2615.40	6593.00	4.70	6.20	9.50	1.73	77.82	6513.38	1.79	258.03	176.82	14.93
*	3010.000	2615.85	8303.00	5.15	6.50	10.28	2.60	100.96	8192.29	9.74	262.51	169.38	15.14
*	3120.000	2631.78	3751.00	3.48	.00	8.32	5.90	.00	3684.14	66.86	220.17	199.77	17.34
*	3120.000	2632.44	5632.00	4.14	.00	9.48	6.41	.00	5525.21	106.79	224.19	182.06	17.31
*	3120.000	2632.75	6593.00	4.45	.00	9.95	6.62	.00	6463.66	129.34	226.08	175.06	17.35
*	3120.000	2633.28	8303.00	4.98	1.38	10.64	6.91	.83	8129.77	172.40	231.08	161.68	17.43
*	3210.000	2642.30	3751.00	2.60	2.25	6.55	.00	6.12	3744.88	.00	448.27	230.27	10.52
*	3210.000	2642.74	5632.00	3.04	3.12	7.23	.00	25.01	5606.99	.00	502.87	214.87	10.30
*	3210.000	2642.92	6593.00	3.22	3.42	7.60	.00	37.57	6555.43	.00	511.03	209.06	10.17
*	3210.000	2643.21	8303.00	3.51	3.84	8.20	1.31	64.57	8238.14	.29	516.70	198.44	9.93

1

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3260.000	2649.37	3751.00	3.37	5.45	7.43	.00	31.85	3719.15	.00	302.08	211.91	7.07
*	3260.000	2649.94	5632.00	3.94	5.86	8.25	.00	46.63	5585.36	.00	334.01	199.08	7.20
*	3260.000	2650.23	6593.00	4.23	6.01	8.40	.00	55.28	6537.72	.00	360.43	190.07	7.32
*	3260.000	2650.61	8303.00	4.61	6.35	8.97	.00	69.24	8233.76	.00	385.02	189.49	7.40

N. TRIB. GALLOWAY WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	320.000	.00	.00	.00	2210.00	4265.00	2214.87	.00	2215.64	179.99	7.06	607.61	317.90
	320.000	.00	.00	.00	2210.00	6389.00	2215.38	2215.27	2216.40	179.75	8.15	789.81	476.55
	320.000	.00	.00	.00	2210.00	7470.00	2215.62	2215.54	2216.75	177.97	8.58	877.68	559.94
	320.000	.00	.00	.00	2210.00	9393.00	2216.18	2216.06	2217.30	180.03	8.53	1108.01	700.05
*	150.000	790.00	.00	.00	2231.60	4265.00	2235.67	2235.67	2236.40	196.34	6.88	864.66	304.38
*	150.000	790.00	.00	.00	2231.60	6389.00	2236.13	2236.13	2237.12	187.34	7.99	1154.17	466.78
*	150.000	790.00	.00	.00	2231.60	7470.00	2236.33	2236.33	2237.45	188.60	8.52	1277.77	543.94
*	150.000	790.00	.00	.00	2231.60	9393.00	2236.70	2236.70	2238.00	178.93	9.20	1512.19	702.20
	250.000	530.00	.00	.00	2241.50	4265.00	2246.63	2246.59	2247.41	219.67	7.10	872.91	287.76
*	250.000	530.00	.00	.00	2241.50	6389.00	2247.11	2247.11	2248.10	196.73	8.03	1142.53	455.51
*	250.000	530.00	.00	.00	2241.50	7470.00	2247.32	2247.32	2248.42	192.10	8.48	1266.66	538.97
*	250.000	530.00	.00	.00	2241.50	9393.00	2247.65	2247.65	2248.94	186.44	9.19	1479.36	687.92
	350.000	530.00	.00	.00	2256.00	4265.00	2259.40	2259.40	2260.31	215.38	7.67	560.78	290.62
	350.000	530.00	.00	.00	2256.00	6389.00	2260.06	2260.06	2261.05	203.87	8.02	802.06	447.46
*	350.000	530.00	.00	.00	2256.00	7470.00	2260.33	2260.33	2261.36	203.28	8.16	921.47	523.93
*	350.000	530.00	.00	.00	2256.00	9393.00	2260.65	2260.65	2261.84	213.36	8.78	1075.65	643.06

*	470.000	630.00	.00	.00	2270.30	4265.00	2274.01	2274.01	2274.77	185.24	6.10	625.62	313.36
*	470.000	630.00	.00	.00	2270.30	6389.00	2274.50	2274.50	2275.42	180.23	7.17	841.87	475.91
*	470.000	630.00	.00	.00	2270.30	7470.00	2274.68	2274.68	2275.70	187.27	7.72	930.24	545.86
*	470.000	630.00	.00	.00	2270.30	9393.00	2275.09	2275.09	2276.16	178.04	7.84	1142.14	703.95
	600.000	680.00	.00	.00	2285.40	4265.00	2292.71	2292.71	2293.38	275.46	6.73	1168.14	256.98
*	600.000	680.00	.00	.00	2285.40	6389.00	2293.13	2293.13	2293.92	218.42	7.34	1507.81	432.30
*	600.000	680.00	.00	.00	2285.40	7470.00	2293.30	2293.30	2294.18	208.85	7.70	1653.12	516.90
*	600.000	680.00	.00	.00	2285.40	9393.00	2293.58	2293.58	2294.59	201.36	8.32	1883.96	661.94
*	680.000	420.00	.00	.00	2296.30	4265.00	2303.32	2303.32	2304.29	194.62	8.01	544.33	305.72
*	680.000	420.00	.00	.00	2296.30	6389.00	2303.95	2303.95	2305.19	175.08	9.06	724.19	482.85
*	680.000	420.00	.00	.00	2296.30	7470.00	2304.17	2304.17	2305.60	183.16	9.76	787.52	551.96
*	680.000	420.00	.00	.00	2296.30	9393.00	2304.62	2304.62	2306.28	175.47	10.53	919.67	709.09
*	780.000	530.00	.00	.00	2312.50	4265.00	2315.90	2315.90	2317.01	187.74	8.52	510.33	311.27
*	780.000	530.00	.00	.00	2312.50	6389.00	2316.57	2316.57	2318.02	175.07	9.79	668.32	482.87
*	780.000	530.00	.00	.00	2312.50	7470.00	2316.90	2316.90	2318.49	166.70	10.26	747.19	578.57
*	780.000	530.00	.00	.00	2312.50	9393.00	2317.42	2317.42	2319.27	159.41	11.07	873.06	743.96
*	870.000	480.00	.00	.00	2323.00	4265.00	2327.14	2327.14	2328.48	145.59	10.41	488.90	353.47
*	870.000	480.00	.00	.00	2323.00	6389.00	2327.98	2327.98	2329.69	142.41	11.81	640.91	535.37
*	870.000	480.00	.00	.00	2323.00	7470.00	2328.36	2328.36	2330.24	140.39	12.38	713.04	630.46
*	870.000	480.00	.00	.00	2323.00	9393.00	2329.00	2329.00	2331.15	136.73	13.26	835.44	803.29

1

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	970.000	530.00	.00	.00	2336.80	4265.00	2340.49	2340.49	2341.65	186.00	8.72	498.05	312.73
*	970.000	530.00	.00	.00	2336.80	6389.00	2341.23	2341.23	2342.68	166.14	9.76	673.84	495.67
*	970.000	530.00	.00	.00	2336.80	7470.00	2341.55	2341.55	2343.14	160.88	10.27	750.91	588.94
*	970.000	530.00	.00	.00	2336.80	9393.00	2342.07	2342.07	2343.91	153.87	11.06	878.57	757.23
*	1050.000	420.00	.00	.00	2346.60	4265.00	2350.90	2350.90	2352.21	180.20	9.24	467.12	317.72
*	1050.000	420.00	.00	.00	2346.60	6389.00	2351.76	2351.76	2353.40	165.85	10.37	625.21	496.10
*	1050.000	420.00	.00	.00	2346.60	7470.00	2352.14	2352.14	2353.93	161.01	10.84	700.14	588.69
*	1050.000	420.00	.00	.00	2346.60	9393.00	2352.75	2352.75	2354.81	158.18	11.64	820.50	746.83
*	1120.000	370.00	.00	.00	2355.10	4265.00	2359.58	2359.58	2360.64	202.71	8.29	517.06	299.56
*	1120.000	370.00	.00	.00	2355.10	6389.00	2360.23	2360.23	2361.59	191.19	9.40	684.03	462.06
*	1120.000	370.00	.00	.00	2355.10	7470.00	2360.55	2360.55	2362.02	178.66	9.80	767.58	558.87
*	1120.000	370.00	.00	.00	2355.10	9393.00	2361.00	2361.00	2362.75	174.65	10.66	888.11	710.75
*	1190.000	370.00	.00	.00	2364.00	4265.00	2368.62	2368.62	2370.05	136.71	9.91	469.12	364.76
*	1190.000	370.00	.00	.00	2364.00	6389.00	2369.51	2369.51	2371.35	133.42	11.35	618.83	553.13
*	1190.000	370.00	.00	.00	2364.00	7470.00	2369.92	2369.92	2371.94	131.69	11.96	687.86	650.95
*	1190.000	370.00	.00	.00	2364.00	9393.00	2370.59	2370.59	2372.93	128.79	12.90	802.66	827.67
*	1250.000	320.00	.00	.00	2372.00	4265.00	2376.17	2376.17	2377.58	156.67	9.80	459.87	340.75
*	1250.000	320.00	.00	.00	2372.00	6389.00	2377.13	2377.13	2378.82	135.69	10.87	637.46	548.48
*	1250.000	320.00	.00	.00	2372.00	7470.00	2377.56	2377.56	2379.36	128.43	11.29	729.02	659.15
*	1250.000	320.00	.00	.00	2372.00	9393.00	2378.25	2378.25	2380.21	118.66	11.92	891.95	862.29
	1320.000	370.00	.00	.00	2381.50	4265.00	2386.53	2386.53	2387.57	211.72	8.20	523.03	293.12
*	1320.000	370.00	.00	.00	2381.50	6389.00	2387.18	2387.18	2388.48	181.47	9.20	701.09	474.27
*	1320.000	370.00	.00	.00	2381.50	7470.00	2387.44	2387.44	2388.90	179.48	9.75	774.03	557.59
*	1320.000	370.00	.00	.00	2381.50	9393.00	2387.91	2387.91	2389.60	169.38	10.50	906.80	721.73

*	1420.000	530.00	.00	.00	2394.50	4265.00	2398.42	2398.42	2399.42	199.23	8.01	532.43	302.17
*	1420.000	530.00	.00	.00	2394.50	6389.00	2399.05	2399.05	2400.31	189.31	9.01	709.05	464.35
*	1420.000	530.00	.00	.00	2394.50	7470.00	2399.34	2399.34	2400.71	183.28	9.41	794.13	551.78
	420.000	530.00	.00	.00	2394.50	9393.00	2399.82	2399.82	2401.37	174.17	9.99	939.86	711.72
*	1530.000	580.00	.00	.00	2409.00	4265.00	2412.81	2412.81	2413.84	102.28	8.19	528.33	421.72
*	1530.000	580.00	.00	.00	2409.00	6389.00	2413.45	2413.45	2414.80	104.92	9.39	692.45	623.74
*	1530.000	580.00	.00	.00	2409.00	7470.00	2413.75	2413.75	2415.24	104.94	9.89	769.36	729.22
*	1530.000	580.00	.00	.00	2409.00	9393.00	2414.20	2414.20	2415.98	107.79	10.80	888.15	904.74
*	1610.000	420.00	.00	.00	2421.20	4265.00	2424.13	2424.13	2425.00	163.88	7.22	581.54	333.16
*	1610.000	420.00	.00	.00	2421.20	6389.00	2424.66	2424.66	2425.79	158.65	8.34	758.42	507.24
*	1610.000	420.00	.00	.00	2421.20	7470.00	2424.90	2424.90	2426.16	155.88	8.81	841.16	598.30
*	1610.000	420.00	.00	.00	2421.20	9393.00	2425.31	2425.31	2426.77	151.38	9.54	979.55	763.43
*	1700.000	480.00	.00	.00	2430.80	4265.00	2436.32	2436.32	2437.24	208.78	7.72	552.82	295.17
*	1700.000	480.00	.00	.00	2430.80	6389.00	2436.86	2436.86	2438.08	198.92	8.87	720.91	452.99
*	1700.000	480.00	.00	.00	2430.80	7470.00	2437.10	2437.10	2438.47	195.64	9.39	796.80	534.06
*	1700.000	480.00	.00	.00	2430.80	9393.00	2437.53	2437.53	2439.11	183.59	10.08	934.04	693.24

1

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	1790.000	480.00	.00	.00	2445.10	4265.00	2449.50	2449.50	2450.33	210.98	7.35	582.21	293.63
*	1790.000	480.00	.00	.00	2445.10	6389.00	2450.02	2450.02	2451.07	210.72	8.23	778.90	440.13
	1790.000	480.00	.00	.00	2445.10	7470.00	2450.26	2450.26	2451.40	202.37	8.56	875.44	525.10
	,790.000	480.00	.00	.00	2445.10	9393.00	2450.73	2450.73	2451.94	168.82	8.82	1068.32	722.92
*	1830.000	210.00	.00	.00	2450.70	4265.00	2454.57	2454.57	2455.98	175.77	9.64	454.31	321.69
*	1830.000	210.00	.00	.00	2450.70	6389.00	2455.55	2455.55	2457.13	166.72	10.25	640.70	494.82
*	1830.000	210.00	.00	.00	2450.70	7470.00	2456.25	2456.25	2457.59	177.40	9.38	807.54	560.84
*	1830.000	210.00	.00	.00	2450.70	9393.00	2456.75	2456.75	2458.20	187.90	9.74	973.38	685.24
*	1890.000	320.00	.00	.00	2458.70	3751.00	2462.64	2462.64	2464.25	167.75	10.22	370.38	289.62
*	1890.000	320.00	.00	.00	2458.70	5632.00	2463.66	2463.66	2465.74	153.72	11.61	490.24	454.25
*	1890.000	320.00	.00	.00	2458.70	6593.00	2464.76	2464.76	2466.33	178.72	10.11	657.15	493.17
*	1890.000	320.00	.00	.00	2458.70	8303.00	2465.31	2465.31	2467.09	168.81	10.77	777.05	639.05
*	1990.000	530.00	.00	.00	2468.80	3751.00	2472.43	2472.43	2473.52	101.87	8.48	453.32	371.64
*	1990.000	530.00	.00	.00	2468.80	5632.00	2473.12	2473.12	2474.49	101.04	9.53	604.38	560.30
*	1990.000	530.00	.00	.00	2468.80	6593.00	2473.42	2473.42	2474.94	99.88	10.02	673.18	659.71
*	1990.000	530.00	.00	.00	2468.80	8303.00	2473.92	2473.92	2475.68	98.09	10.81	787.27	838.36
*	2070.000	420.00	.00	.00	2479.30	3751.00	2483.47	2483.47	2484.60	163.85	8.70	451.30	293.04
*	2070.000	420.00	.00	.00	2479.30	5632.00	2484.20	2484.20	2485.65	151.10	9.88	604.83	458.18
*	2070.000	420.00	.00	.00	2479.30	6593.00	2484.54	2484.54	2486.12	146.23	10.37	678.44	545.21
*	2070.000	420.00	.00	.00	2479.30	8303.00	2485.09	2485.09	2486.89	139.46	11.13	803.41	703.08
*	2140.000	370.00	.00	.00	2487.40	3751.00	2492.21	2492.21	2493.24	215.32	8.14	461.76	255.63
*	2140.000	370.00	.00	.00	2487.40	5632.00	2492.89	2492.89	2494.13	186.90	8.98	629.90	411.96
*	2140.000	370.00	.00	.00	2487.40	6593.00	2493.16	2493.16	2494.54	184.45	9.45	701.72	485.45
	140.000	370.00	.00	.00	2487.40	8303.00	2493.60	2493.60	2495.21	178.36	10.24	816.06	621.70
*	2200.000	320.00	.00	.00	2497.80	3751.00	2502.26	2502.26	2503.38	198.65	8.55	441.36	266.14
*	2200.000	320.00	.00	.00	2497.80	5632.00	2503.00	2503.00	2504.37	185.53	9.44	601.01	413.49
*	2200.000	320.00	.00	.00	2497.80	6593.00	2503.30	2503.30	2504.81	180.45	9.91	670.62	490.80

*	2200.000	320.00	.00	.00	2497.80	8303.00	2503.84	2503.84	2505.53	161.79	10.52	800.70	652.76
	2160.000	320.00	.00	.00	2503.30	3751.00	2507.95	.00	2508.59	134.20	6.46	581.24	323.80
	2160.000	320.00	.00	.00	2503.30	5632.00	2508.51	.00	2509.39	132.44	7.55	749.54	489.39
	160.000	320.00	.00	.00	2503.30	6593.00	2508.76	.00	2509.74	131.25	8.00	828.48	575.48
	2160.000	320.00	.00	.00	2503.30	8303.00	2509.13	.00	2510.34	137.62	8.87	941.14	707.78
*	2350.000	480.00	.00	.00	2516.70	3751.00	2520.26	2520.26	2520.96	159.31	6.10	578.43	297.19
*	2350.000	480.00	.00	.00	2516.70	5632.00	2520.65	2520.65	2521.65	182.26	7.53	716.30	417.18
*	2350.000	480.00	.00	.00	2516.70	6593.00	2520.86	2520.86	2521.97	180.63	8.04	791.46	490.55
*	2350.000	480.00	.00	.00	2516.70	8303.00	2521.22	2521.22	2522.51	174.81	8.78	921.58	627.99
*	2460.000	580.00	.00	.00	2531.40	3751.00	2533.93	2533.93	2534.74	219.53	7.20	523.60	253.16
*	2460.000	580.00	.00	.00	2531.40	5632.00	2534.43	2534.43	2535.47	197.27	8.20	690.98	400.99
*	2460.000	580.00	.00	.00	2531.40	6593.00	2534.65	2534.65	2535.81	192.07	8.67	766.08	475.72
*	2460.000	580.00	.00	.00	2531.40	8303.00	2535.03	2535.03	2536.37	181.70	9.35	895.53	615.96

1

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	2570.000	580.00	.00	.00	2545.40	3751.00	2549.73	2549.73	2550.53	234.99	7.21	521.47	244.69
*	2570.000	580.00	.00	.00	2545.40	5632.00	2550.23	2550.23	2551.22	215.91	8.01	704.62	383.29
*	2570.000	580.00	.00	.00	2545.40	6593.00	2550.47	2550.47	2551.53	204.70	8.28	798.55	460.81
*	2570.000	580.00	.00	.00	2545.40	8303.00	2550.81	2550.81	2552.04	201.77	8.92	933.46	584.52
*	2650.000	420.00	.00	.00	2555.60	3751.00	2559.43	2559.43	2560.08	120.61	5.12	646.01	341.55
	2650.000	420.00	.00	.00	2555.60	5632.00	2559.84	2559.84	2560.68	132.18	6.14	831.45	489.87
	2650.000	420.00	.00	.00	2555.60	6593.00	2560.15	2560.15	2560.96	117.22	6.08	988.94	608.95
*	2650.000	420.00	.00	.00	2555.60	8303.00	2560.45	2560.45	2561.38	118.99	6.76	1137.52	761.16
*	2730.000	420.00	.00	.00	2567.70	3751.00	2571.13	2571.13	2572.07	121.30	7.86	485.83	340.58
*	2730.000	420.00	.00	.00	2567.70	5632.00	2571.78	2571.78	2572.89	113.94	8.55	671.73	527.62
*	2730.000	420.00	.00	.00	2567.70	6593.00	2572.04	2572.04	2573.26	115.04	8.93	753.43	614.68
*	2730.000	420.00	.00	.00	2567.70	8303.00	2572.46	2572.46	2573.85	113.96	9.55	888.22	777.79
*	2800.000	380.00	.00	.00	2578.60	3751.00	2582.06	2582.06	2582.79	128.22	6.55	557.52	331.26
*	2800.000	380.00	.00	.00	2578.60	5632.00	2582.49	2582.49	2583.46	134.44	7.62	723.19	485.74
*	2800.000	380.00	.00	.00	2578.60	6593.00	2582.71	2582.71	2583.77	132.35	8.01	807.31	573.08
*	2800.000	380.00	.00	.00	2578.60	8303.00	2583.07	2583.07	2584.29	127.86	8.59	949.98	734.30
*	2910.000	580.00	.00	.00	2597.20	3751.00	2599.91	2599.91	2600.50	246.50	6.14	610.61	238.91
*	2910.000	580.00	.00	.00	2597.20	5632.00	2600.27	2600.27	2601.01	228.33	6.90	816.36	372.72
*	2910.000	580.00	.00	.00	2597.20	6593.00	2600.47	2600.47	2601.25	208.82	7.11	928.61	456.24
*	2910.000	580.00	.00	.00	2597.20	8303.00	2600.71	2600.71	2601.64	209.52	7.73	1076.13	573.62
*	3010.000	530.00	.00	.00	2610.70	3751.00	2614.45	2614.45	2615.47	192.61	8.14	462.99	270.28
*	3010.000	530.00	.00	.00	2610.70	5632.00	2615.13	2615.13	2616.38	181.90	9.00	629.74	417.59
*	3010.000	530.00	.00	.00	2610.70	6593.00	2615.40	2615.40	2616.79	176.82	9.50	699.18	495.82
*	3010.000	530.00	.00	.00	2610.70	8303.00	2615.85	2615.85	2617.48	169.38	10.28	816.22	637.98
*	3120.000	580.00	.00	.00	2628.30	3751.00	2631.78	2631.78	2632.85	199.77	8.32	453.93	265.39
*	3120.000	580.00	.00	.00	2628.30	5632.00	2632.44	2632.44	2633.82	182.06	9.48	599.79	417.40
	120.000	580.00	.00	.00	2628.30	6593.00	2632.75	2632.75	2634.27	175.06	9.95	669.21	498.29
	3120.000	580.00	.00	.00	2628.30	8303.00	2633.28	2633.28	2635.01	161.68	10.64	789.90	652.99
*	3210.000	470.00	.00	.00	2639.70	3751.00	2642.30	2642.30	2642.97	230.27	6.55	574.29	247.19
*	3210.000	470.00	.00	.00	2639.70	5632.00	2642.74	2642.74	2643.55	214.87	7.23	783.05	384.21

*	3210.000	470.00	.00	.00	2639.70	6593.00	2642.92	2642.92	2643.81	209.06	7.60	873.07	455.99
*	3210.000	470.00	.00	.00	2639.70	8303.00	2643.21	2643.21	2644.24	198.44	8.20	1021.36	589.41
	3260.000	260.00	.00	.00	2646.00	3751.00	2649.37	2649.37	2650.23	211.91	7.43	506.14	257.67
	260.000	260.00	.00	.00	2646.00	5632.00	2649.94	2649.94	2650.99	199.08	8.25	685.10	399.16
*	3260.000	260.00	.00	.00	2646.00	6593.00	2650.23	2650.23	2651.32	190.07	8.40	787.16	478.22
*	3260.000	260.00	.00	.00	2646.00	8303.00	2650.61	2650.61	2651.85	189.49	8.97	928.94	603.17

1

N. TRIB. GALLOWAY WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	320.000	4265.00	2214.87	.00	.00	.00	348.66	.00
	320.000	6389.00	2215.38	.51	.00	.00	366.18	.00
	320.000	7470.00	2215.62	.24	.00	-.02	374.34	.00
	320.000	9393.00	2216.18	.56	.00	-.02	481.36	.00
*	150.000	4265.00	2235.67	.00	20.80	.00	619.02	790.00
*	150.000	6389.00	2236.13	.47	20.75	.00	624.63	790.00
*	150.000	7470.00	2236.33	.20	20.71	.00	627.01	790.00
*	150.000	9393.00	2236.70	.37	20.53	.00	631.33	790.00
	250.000	4265.00	2246.63	.00	10.97	.00	541.82	530.00
	250.000	6389.00	2247.11	.48	10.98	.00	588.40	530.00
*	250.000	7470.00	2247.32	.21	10.99	.00	610.76	530.00
*	250.000	9393.00	2247.65	.34	10.95	.00	647.28	530.00
*	350.000	4265.00	2259.40	.00	12.77	.00	326.34	530.00
*	350.000	6389.00	2260.06	.66	12.95	.00	417.10	530.00
*	350.000	7470.00	2260.33	.27	13.02	.00	465.46	530.00
*	350.000	9393.00	2260.65	.32	13.00	.00	503.85	530.00
*	470.000	4265.00	2274.01	.00	14.61	.00	412.18	630.00
*	470.000	6389.00	2274.50	.49	14.44	.00	491.74	630.00
*	470.000	7470.00	2274.68	.18	14.35	.00	498.58	630.00
*	470.000	9393.00	2275.09	.40	14.44	.00	544.16	630.00
*	600.000	4265.00	2292.71	.00	18.69	.00	790.80	680.00
*	600.000	6389.00	2293.13	.42	18.62	.00	816.70	680.00
*	600.000	7470.00	2293.30	.18	18.62	.00	827.53	680.00
*	600.000	9393.00	2293.58	.28	18.49	.00	844.45	680.00
*	680.000	4265.00	2303.32	.00	10.62	.00	281.93	420.00
*	680.000	6389.00	2303.95	.63	10.82	.00	290.93	420.00
*	680.000	7470.00	2304.17	.22	10.86	.00	293.79	420.00
*	680.000	9393.00	2304.62	.45	11.03	.00	297.54	420.00
	780.000	4265.00	2315.90	.00	12.58	.00	233.62	530.00
	780.000	6389.00	2316.57	.67	12.62	.00	238.04	530.00
*	780.000	7470.00	2316.90	.33	12.74	.00	240.22	530.00
*	780.000	9393.00	2317.42	.52	12.81	.00	243.65	530.00
*	870.000	4265.00	2327.14	.00	11.24	.00	177.89	480.00

*	870.000	6389.00	2327.98	.84	11.40	.00	185.48	480.00
*	870.000	7470.00	2328.36	.39	11.46	.00	188.97	480.00
*	870.000	9393.00	2329.00	.64	11.58	.00	194.76	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	970.000	4265.00	2340.49	.00	13.35	.00	225.51	530.00
*	970.000	6389.00	2341.23	.74	13.26	.00	241.94	530.00
*	970.000	7470.00	2341.55	.32	13.19	.00	243.00	530.00
*	970.000	9393.00	2342.07	.52	13.07	.00	244.74	530.00
*	1050.000	4265.00	2350.90	.00	10.41	.00	179.50	420.00
*	1050.000	6389.00	2351.76	.85	10.52	.00	190.84	420.00
*	1050.000	7470.00	2352.14	.39	10.59	.00	195.99	420.00
*	1050.000	9393.00	2352.75	.60	10.67	.00	203.99	420.00
*	1120.000	4265.00	2359.58	.00	8.68	.00	250.10	370.00
*	1120.000	6389.00	2360.23	.64	8.47	.00	262.39	370.00
*	1120.000	7470.00	2360.55	.32	8.40	.00	262.92	370.00
*	1120.000	9393.00	2361.00	.46	8.26	.00	263.67	370.00
*	1190.000	4265.00	2368.62	.00	9.03	.00	167.53	370.00
*	1190.000	6389.00	2369.51	.89	9.28	.00	168.65	370.00
*	1190.000	7470.00	2369.92	.41	9.37	.00	169.16	370.00
*	1190.000	9393.00	2370.59	.68	9.59	.00	170.00	370.00
	1250.000	4265.00	2376.17	.00	7.56	.00	166.94	320.00
*	1250.000	6389.00	2377.13	.95	7.62	.00	205.13	320.00
*	1250.000	7470.00	2377.56	.43	7.64	.00	222.27	320.00
*	1250.000	9393.00	2378.25	.69	7.65	.00	249.87	320.00
*	1320.000	4265.00	2386.53	.00	10.36	.00	273.28	370.00
*	1320.000	6389.00	2387.18	.65	10.05	.00	277.58	370.00
*	1320.000	7470.00	2387.44	.26	9.88	.00	279.33	370.00
*	1320.000	9393.00	2387.91	.47	9.66	.00	282.48	370.00
*	1420.000	4265.00	2398.42	.00	11.90	.00	271.09	530.00
*	1420.000	6389.00	2399.05	.62	11.87	.00	291.21	530.00
*	1420.000	7470.00	2399.34	.29	11.90	.00	298.42	530.00
*	1420.000	9393.00	2399.82	.48	11.91	.00	310.39	530.00
*	1530.000	4265.00	2412.81	.00	14.39	.00	256.30	580.00
*	1530.000	6389.00	2413.45	.64	14.40	.00	259.22	580.00
*	1530.000	7470.00	2413.75	.30	14.41	.00	260.57	580.00
*	1530.000	9393.00	2414.20	.45	14.38	.00	262.65	580.00
*	1610.000	4265.00	2424.13	.00	11.31	.00	333.04	420.00
*	1610.000	6389.00	2424.66	.53	11.21	.00	335.62	420.00
*	1610.000	7470.00	2424.90	.25	11.16	.00	336.82	420.00
*	1610.000	9393.00	2425.31	.41	11.11	.00	338.81	420.00
	700.000	4265.00	2436.32	.00	12.19	.00	306.21	480.00
	1700.000	6389.00	2436.86	.54	12.20	.00	313.12	480.00
*	1700.000	7470.00	2437.10	.24	12.20	.00	314.25	480.00
*	1700.000	9393.00	2437.53	.44	12.22	.00	316.28	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	1790.000	4265.00	2449.50	.00	13.18	.00	348.96	480.00
*	1790.000	6389.00	2450.02	.52	13.16	.00	393.60	480.00
*	1790.000	7470.00	2450.26	.24	13.16	.00	404.42	480.00
*	1790.000	9393.00	2450.73	.47	13.20	.00	411.58	480.00
*	1830.000	4265.00	2454.57	.00	5.07	.00	168.35	210.00
*	1830.000	6389.00	2455.55	.98	5.53	.00	206.48	210.00
*	1830.000	7470.00	2456.25	.70	5.99	.00	300.65	210.00
*	1830.000	9393.00	2456.75	.50	6.02	.00	354.50	210.00
*	1890.000	3751.00	2462.64	.00	8.06	.00	115.82	320.00
*	1890.000	5632.00	2463.66	1.02	8.10	.00	118.63	320.00
*	1890.000	6593.00	2464.76	1.10	8.51	.00	216.75	320.00
*	1890.000	8303.00	2465.31	.54	8.55	.00	223.51	320.00
*	1990.000	3751.00	2472.43	.00	9.80	.00	212.34	530.00
*	1990.000	5632.00	2473.12	.68	9.46	.00	227.07	530.00
*	1990.000	6593.00	2473.42	.30	8.66	.00	228.22	530.00
*	1990.000	8303.00	2473.92	.50	8.61	.00	230.12	530.00
*	2070.000	3751.00	2483.47	.00	11.04	.00	202.46	420.00
*	2070.000	5632.00	2484.20	.74	11.09	.00	215.23	420.00
*	2070.000	6593.00	2484.54	.34	11.12	.00	221.09	420.00
*	2070.000	8303.00	2485.09	.55	11.18	.00	230.71	420.00
*	2140.000	3751.00	2492.21	.00	8.74	.00	241.60	370.00
*	2140.000	5632.00	2492.89	.67	8.68	.00	256.75	370.00
*	2140.000	6593.00	2493.16	.28	8.62	.00	262.96	370.00
*	2140.000	8303.00	2493.60	.43	8.50	.00	264.33	370.00
*	2200.000	3751.00	2502.26	.00	10.04	.00	203.42	320.00
*	2200.000	5632.00	2503.00	.74	10.11	.00	227.37	320.00
*	2200.000	6593.00	2503.30	.30	10.13	.00	234.67	320.00
*	2200.000	8303.00	2503.84	.54	10.24	.00	245.53	320.00
	2160.000	3751.00	2507.95	.00	5.69	.00	301.90	320.00
	2160.000	5632.00	2508.51	.56	5.51	.00	306.81	320.00
	2160.000	6593.00	2508.76	.25	5.46	.00	309.08	320.00
	2160.000	8303.00	2509.13	.37	5.29	.00	311.94	320.00
*	2350.000	3751.00	2520.26	.00	12.31	.00	349.52	480.00
*	2350.000	5632.00	2520.65	.39	12.14	.00	355.62	480.00
*	2350.000	6593.00	2520.86	.21	12.10	.00	357.78	480.00
*	2350.000	8303.00	2521.22	.36	12.09	.00	361.49	480.00
*	2460.000	3751.00	2533.93	.00	13.68	.00	338.48	580.00
*	2460.000	5632.00	2534.43	.49	13.78	.00	339.97	580.00
*	2460.000	6593.00	2534.65	.22	13.79	.00	340.63	580.00
*	2460.000	8303.00	2535.03	.38	13.81	.00	341.77	580.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	2570.000	3751.00	2549.73	.00	15.79	.00	349.84	580.00
*	2570.000	5632.00	2550.23	.50	15.80	.00	379.19	580.00
	570.000	6593.00	2550.47	.24	15.82	.00	393.39	580.00
	2570.000	8303.00	2550.81	.34	15.78	.00	406.82	580.00
*	2650.000	3751.00	2559.43	.00	9.70	.00	440.08	420.00
*	2650.000	5632.00	2559.84	.41	9.61	.00	464.31	420.00
*	2650.000	6593.00	2560.15	.32	9.68	.00	504.77	420.00
*	2650.000	8303.00	2560.45	.29	9.64	.00	505.33	420.00
*	2730.000	3751.00	2571.13	.00	11.70	.00	266.20	420.00
*	2730.000	5632.00	2571.78	.65	11.94	.00	303.29	420.00
*	2730.000	6593.00	2572.04	.26	11.89	.00	318.77	420.00
*	2730.000	8303.00	2572.46	.42	12.01	.00	324.25	420.00
*	2800.000	3751.00	2582.06	.00	10.93	.00	379.07	380.00
*	2800.000	5632.00	2582.49	.43	10.71	.00	385.52	380.00
*	2800.000	6593.00	2582.71	.22	10.67	.00	388.75	380.00
*	2800.000	8303.00	2583.07	.36	10.61	.00	393.83	380.00
*	2910.000	3751.00	2599.91	.00	17.85	.00	544.80	580.00
*	2910.000	5632.00	2600.27	.36	17.78	.00	579.57	580.00
*	2910.000	6593.00	2600.47	.19	17.76	.00	591.12	580.00
*	2910.000	8303.00	2600.71	.25	17.64	.00	606.74	580.00
*	3010.000	3751.00	2614.45	.00	14.54	.00	225.79	530.00
*	3010.000	5632.00	2615.13	.68	14.85	.00	255.33	530.00
	3010.000	6593.00	2615.40	.27	14.93	.00	258.03	530.00
	,010.000	8303.00	2615.85	.45	15.14	.00	262.51	530.00
*	3120.000	3751.00	2631.78	.00	17.34	.00	220.17	580.00
*	3120.000	5632.00	2632.44	.66	17.31	.00	224.19	580.00
*	3120.000	6593.00	2632.75	.31	17.35	.00	226.08	580.00
*	3120.000	8303.00	2633.28	.53	17.43	.00	231.08	580.00
*	3210.000	3751.00	2642.30	.00	10.52	.00	448.27	470.00
*	3210.000	5632.00	2642.74	.43	10.30	.00	502.87	470.00
*	3210.000	6593.00	2642.92	.18	10.17	.00	511.03	470.00
*	3210.000	8303.00	2643.21	.29	9.93	.00	516.70	470.00
*	3260.000	3751.00	2649.37	.00	7.07	.00	302.08	260.00
*	3260.000	5632.00	2649.94	.56	7.20	.00	334.01	260.00
*	3260.000	6593.00	2650.23	.30	7.32	.00	360.43	260.00
*	3260.000	8303.00	2650.61	.38	7.40	.00	385.02	260.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

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1*****************************************************
 *  WATER SURFACE PROFILES                           *
 *  VERSION OF SEPTEMBER 1988                        *
    RROR: 01,02,03                                   *
    UPDATED:  SEPTEMBER 1989                         *
    RUN DATE     3/15/90    TIME    10:33:25         *
*****************************************************
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS        *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*  609 SECOND STREET, SUITE D          *
*  DAVIS, CALIFORNIA 95616-4687        *
*           (916) 756-1104             *
****************************************
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GA. MCX

100YR CWSEL 3-15-90 DES

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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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END OF BANNER

1

3/15/90 10:33:26 PAGE 1

THIS RUN EXECUTED 3/15/90 10:33:26

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    ********************************************
    HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
*************************************************
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T1        FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2        100-YR FLOOD FREQUENCY MODEL (NATURAL CONDITIONS)
T3        N. TRIB. GALLOWAY WASH   (GA.MCE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                                                                  2215.62

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1                  -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38        43        26        8         42        39        1         34        4         53
    21        22        54        0         38        43        1         50        51        27
    21        22        28        5         3         61        200

J5  LPRNT     NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10       -10
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NC     .045      .045      .041       .1        .3
QT       2      7470      7470
                           4.1     9670.0    10130.0
         THIS ENCROACHMENT MODEL IS BASED ON 100-YEAR NATURAL CONDITIONS.
         REFER TO FILE GA.OUT (CH2M HILL, 1990)

X1     320        13    9670.0   10130.0
GR  2220.0    9600.0    2216.0    9670.0    2216.0    9760.0    2213.0    9850.0    2214.5    9940.0
GR  2212.0    9990.0    2210.0   10000.0    2212.0   10018.0    2214.0   10060.0    2212.0   10105.0
GR  2211.0   10113.0    2212.0   10130.0    2220.0   10165.0

NH       3      .045      9985      .041     10365        99     10725
ET                         4.1    9985.0   10365.0
X1     150        17    9985.0   10365.0       790       790       790
GR  2248.5    9850.0    2247.0    9875.0    2246.0    9910.0    2248.0    9935.0    2232.0    9985.0
GR  2231.6   10000.0    2232.0   10015.0    2234.0   10060.0    2234.5   10140.0    2234.0   10170.0
GR  2235.5   10250.0    2233.5   10310.0    2235.5   10365.0    2235.0   10420.0    2233.7   10575.0
GR  2236.5   10600.0    2252.0   10725.0
1
    3/15/90     10:33:26                                                                          PAGE     2


NH       3      .045      9975      .041    10370.0        99     10800
ET                         4.1    9975.0   10420.0
X1     250        17    9975.0   10370.0       530       530       530
GR  2264.0    9880.0    2248.0    9920.0    2245.7    9975.0    2244.0   10000.0    2245.4   10050.0
GR  2245.1   10075.0    2246.0   10130.0    2244.0   10230.0    2246.0   10300.0    2244.3   10320.0
    2246.8   10370.0    2247.8   10420.0    2248.0   10500.0    2248.0   10540.0    2244.0   10655.0
    2241.5   10680.0    2264.0   10800.0

NH       3      .045      9980      .041    10585      .045     10625
ET                         4.1    9980.0   10550.0
X1     350        18    9980.0   10585.0       530       530       530
GR  2276.0    9940.0    2256.5    9980.0    2256.0   10000.0    2257.5   10025.0    2258.2   10065.0
GR  2257.7   10100.0    2257.1   10200.0    2261.5   10260.0    2260.0   10290.0    2261.1   10310.0
GR  2261.0   10380.0    2259.5   10395.0    2260.8   10455.0    2257.8   10480.0    2260.3   10505.0
GR  2259.5   10550.0    2256.9   10585.0    2274.0   10625.0

NH       3      .045    9963.1      .041   10232.5      .045     10603
ET                         4.1    9963.1   10351.6
X1     470        40    9963.1   10249.3       630       630       630
GR  2294.6    9395.0    2297.2    9444.1    2298.2    9465.5    2295.5    9483.0    2285.7    9517.3
GR  2280.5    9544.2    2279.1    9583.9    2278.7    9590.9    2277.0    9660.9    2276.0    9762.6
GR  2276.2    9826.7    2276.4    9867.4    2275.2    9924.7    2275.1    9944.7    2273.1    9963.1
GR  2272.5    9985.0    2272.0   10000.0    2271.9   10022.8    2271.7   10025.5    2273.5   10043.6
GR  2272.6   10068.8    2275.0   10098.8    2274.7   10132.3    2271.9   10149.0    2272.6   10161.7
GR  2273.5   10180.8    2272.1   10211.3    2271.5   10232.5    2274.3   10249.3    2274.5   10289.4
GR  2273.1   10344.0    2271.7   10372.1    2270.3   10391.8    2271.1   10416.3    2273.7   10474.2
GR  2276.3   10501.9    2276.5   10526.6    2284.2   10562.0    2289.6   10594.8    2289.6     10603

NH       4        99    9646.7      .041   10159.7      .045   10317.6        99   10473.6
ET                         4.1    9690.0   10300.0
     600        36    9646.7   10159.7       530       570       680
    2302.3    9393.4    2303.1    9438.6    2300.3    9460.1    2289.5    9521.3    2287.3    9533.2
GR  2291.6    9541.5    2289.4    9560.2    2285.4    9570.1    2290.4    9580.1    2290.3    9601.8
GR  2287.7    9624.0    2291.1    9646.7    2291.4    9708.6    2292.0    9774.0    2291.4    9834.1
GR  2292.3    9911.4    2292.5    9953.9    2290.5    9967.0    2289.9    9972.0    2289.0   10000.0
GR  2290.2   10011.0    2290.4   10024.4    2291.8   10037.7    2291.7   10040.2    2292.1   10120.1
```

GR	2291.4	10159.7	2294.1	10297.7	2294.2	10317.6	2297.7	10328.6	2297.7	10344.8
GR	2297.3	10355.0	2291.5	10366.9	2291.5	10396.2	2292.6	10431.7	2305.6	10463.7
GR	2312.0	10473.6								
	.045	.045	.041							
ET		6.1	8.1			2321.5	10220.4	9964.2	10200.0	
X1	680	21	9964.2	10300.0	420	390	420			
GR	2321.4	9829.0	2314.7	9864.8	2304.4	9924.1	2300.7	9964.2	2300.9	9972.1
GR	2300.5	9999.0	2300.6	10000.0	2302.7	10016.2	2300.9	10038.2	2303.1	10055.7
GR	2301.2	10104.9	2301.5	10141.1	2299.6	10204.7	2304.1	10220.4	2302.8	10236.7
GR	2302.7	10238.6	2301.8	10249.3	2296.3	10262.9	2296.4	10278.5	2301.6	10300.0
GR	2317.8	10324.7								

1

NC	.045	.045	.041							
ET			4.1	9977.5	10191.5					
X1	780	13	9977.5	10191.5	490	500	530			
GR	2336.3	9906.4	2321.5	9953.0	2312.7	9977.5	2312.7	9987.0	2312.7	10000.0
GR	2312.5	10016.1	2314.0	10044.5	2313.1	10098.0	2315.1	10127.9	2315.1	10154.6
GR	2313.1	10179.2	2313.1	10191.5	2331.4	10261.3				
ET			4.1	9900.1	10020.6					
X1	870	12	9947.9	10020.6	430	400	480			
GR	2345.1	9773.4	2331.0	9818.8	2326.2	9855.6	2323.6	9947.9	2323.9	9981.6
GR	2323.0	10000.0	2323.0	10012.7	2323.1	10020.6	2335.0	10037.3	2341.4	10056.8
GR	2346.0	10078.3	2345.9	10080.1						
ET			4.1	9967.0	10171.4					
X1	970	18	9967.0	10171.4	520	560	530			
GR	2356.8	9882.6	2356.0	9906.5	2351.8	9923.6	2340.0	9948.3	2340.9	9967.0
GR	2337.5	9980.5	2337.6	9981.0	2337.1	9998.7	2337.1	10000.0	2337.1	10025.0
GR	2338.3	10038.1	2338.2	10106.3	2336.8	10112.9	2340.7	10135.1	2337.1	10171.4
GR	2340.7	10187.0	2361.4	10212.6	2366.1	10236.7				
ET			9.1						9988.3	10176.0
X1	1050	13	9988.3	10191.4	410	430	420			
GR	2367.0	9935.6	2346.9	9988.3	2346.9	10000.0	2346.9	10017.5	2349.7	10028.0
GR	2346.6	10053.9	2350.6	10075.4	2346.6	10123.3	2350.5	10153.0	2354.1	10191.4
GR	2358.9	10216.5	2370.2	10253.5	2372.2	10260.2				
ET		6.1	9.1			9790.3	10260.1		9791.0	10044.9
X1	1120	15	9691.4	10044.9	380	360	370			
GR	2376.0	9642.1	2360.9	9691.4	2355.1	9753.3	2356.4	9790.3	2358.9	9877.7
GR	2359.7	9916.3	2357.8	9931.4	2360.0	9949.0	2356.4	9961.4	2356.6	9986.6
GR	2356.5	10000.0	2355.9	10025.6	2355.5	10044.9	2373.4	10074.4	2376.5	10091.7
NC	.045	.045	.041							
ET			4.1	9985.0	10096.6					
X1	1190	8	9985.0	10096.6	350	370	370			
GR	2384.8	9949.7	2381.9	9963.3	2364.5	9985.0	2364.0	10000.0	2364.1	10014.1
GR	2364.1	10017.1	2366.7	10096.6	2368.2	10147.4				
			4.1	9890.0	10015.0					
X1	1250	10	9890.0	10015.0	340	320	320			
GR	2382.0	9720.0	2380.0	9730.0	2376.0	9870.0	2373.0	9890.0	2373.8	9940.0
GR	2372.5	9980.0	2372.0	10000.0	2372.5	10015.0	2376.0	10030.0	2382.0	10060.0

ET			4.1	9960.0	10225.0					
X1	1320	11	9960.0	10225.0	350	390	370			
GR	2400.0	9922.0	2384.0	9960.0	2382.0	9985.0	2381.5	10000.0	2384.0	10040.0
	2386.0	10085.0	2386.5	10130.0	2385.0	10180.0	2383.8	10200.0	2386.0	10225.0
	2400.0	10285.0								

ET			9.1						9735.0	10043.0
X1	1420	16	9730.0	10045.0	490	440	530			
GR	2416.0	9615.0	2404.0	9675.0	2400.0	9730.0	2398.5	9760.0	2398.0	9800.0
GR	2396.2	9820.0	2397.0	9850.0	2395.5	9875.0	2398.0	9905.0	2396.0	9925.0
GR	2396.0	9960.0	2395.0	9980.0	2394.5	10000.0	2396.0	10025.0	2400.0	10045.0
GR	2416.0	10080.0								
NH	5	.045	9790.0	.035	9835.0	.045	9980.0	.025	10035.0	.045
NH	10065									
ET			4.1	9790.0	10035.0					
X1	1530	11	9790.0	10035.0	560	560	580			
GR	2430.0	9730.0	2410.0	9790.0	2410.5	9835.0	2411.0	9860.0	2411.5	9917.0
GR	2412.0	9960.0	2410.0	9980.0	2409.0	10000.0	2409.5	10020.0	2411.0	10035.0
GR	2430.0	10065								
NH	5	.045	9749.0	.03	9782.2	.045	9975.6	.030	10020.1	.045
NH	10122									
ET			4.1	9758.1	10060.9					
X1	1610	20	9758.1	10060.9	440	420	420			
	2437.4	9718.0	2421.7	9749.0	2421.2	9758.1	2422.5	9782.2	2421.9	9818.1
	2421.2	9836.9	2422.2	9858.1	2424.1	9881.6	2422.0	9927.3	2421.4	9945.4
GR	2423.7	9965.5	2422.4	9975.6	2422.1	10000.0	2421.4	10014.2	2421.5	10020.1
GR	2423.9	10036.5	2423.7	10048.0	2421.2	10060.9	2423.9	10076.6	2439.6	10122
NC	.045	.045	.041							
ET			9.1						9701.7	10013.0
X1	1700	18	9701.7	10015.8	470	480	480			
GR	2450.7	9670.0	2435.7	9701.7	2430.8	9719.7	2433.9	9733.9	2436.0	9789.2
GR	2435.5	9825.4	2435.3	9847.8	2431.7	9857.8	2435.6	9865.2	2433.9	9891.5
GR	2436.5	9913.1	2434.9	9938.2	2434.3	9950.6	2432.3	9999.1	2432.0	10000.0
GR	2438.2	10015.8	2457.1	10051.9	2459.1	10059.4				
ET		6.1	8.1			2464.0	10364.7	9959.1	10364.7	
X1	1790	20	9959.1	10364.7	470	490	480			
GR	2463.5	9886.8	2464.1	9912.3	2464.4	9930.6	2447.1	9959.1	2447.1	9960.8
GR	2445.9	10000.0	2445.2	10015.4	2449.3	10027.7	2448.2	10033.2	2445.1	10043.6
GR	2448.3	10061.0	2450.4	10096.6	2450.4	10097.1	2449.2	10128.4	2446.0	10136.0
GR	2449.8	10142.8	2448.5	10231.8	2447.3	10364.7	2450.2	10389.6	2470.5	10434.0
ET		6.1	8.1			2477.0	10181.0	9857.2	10181.0	
X1	1830	22	9857.2	10181.0	210	210	210			
GR	2476.7	9785.0	2452.2	9827.8	2452.1	9832.2	2457.3	9857.2	2451.3	9901.4
GR	2452.0	9935.5	2451.9	9949.1	2451.9	9959.5	2450.8	9991.2	2450.7	10000.0
GR	2450.8	10019.8	2454.9	10025.7	2454.8	10040.0	2455.9	10054.1	2456.1	10118.4
	2456.7	10181.0	2457.9	10206.7	2454.3	10218.2	2458.4	10227.6	2459.5	10254.3
	2460.8	10272.1	2473.2	10317.4						
QT	2	6593	6593							
NC	.045	.045	.041							
ET			9.1						9835.0	10045.9

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     1890       12     9757.3    10045.9      320      320      320
GR  2498.7   9687.3    2479.2     9729.3   2471.5   9757.3   2464.1   9842.2   2464.7   9929.8
GR  2458.7   9940.6    2459.0     9960.5   2459.5   9978.4   2459.6  10000.0   2459.4  10033.6
GR  2459.0  10045.9    2468.2    10054.6

NH        5     .045    9894.3      .025   9961.3     .045  10057.2     .035  10103.8     .045
NH    10146
ET                       4.1     9894.3  10103.8
X1     1990       11    9894.3    10103.8      490      510      530
GR  2483.5   9860.1    2471.4     9880.5   2468.8   9894.3   2470.2   9961.3   2471.1   9976.8
GR  2469.2  10000.0    2470.0    10018.2   2473.1  10034.1   2469.9  10057.2   2472.7  10103.8
GR  2492.6  10146

NC     .045     .045      .041
ET                       4.1     9951.2  10110.8
X1     2070       16    9951.2    10110.8      420      420      420
GR  2499.8   9899.5    2482.5     9928.3   2481.9   9951.2   2481.4   9955.1   2479.3   9971.2
GR  2479.3   9971.6    2479.3    10000.0   2480.1  10027.4   2480.6  10028.3   2482.5  10074.4
GR  2482.3  10110.8    2485.7    10164.2   2488.6  10191.3   2492.6  10226.6   2496.3  10266.7
GR  2509.4  10298.1

ET          6.1        9.1                        2513.0  10165.7            9909.8  10165.0
X1     2140       17    9909.8    10234.8      380      360      370
GR  2512.3   9875.9    2487.4     9909.8   2488.9   9916.7   2490.6   9939.8   2490.4   9959.1
GR  2489.7   9980.1    2489.5    10000.0   2490.3  10027.7   2491.0  10064.6   2490.0  10098.2
    2493.2  10165.7    2490.5    10199.7   2494.0  10213.6   2493.8  10234.8   2498.1  10259.3
    2510.4  10302.1    2512.5    10310.1

NC     .045     .045      .041
ET                       4.1     9809.3  10032.0
X1     2200       16    9809.3    10032.0      350      290      320
GR  2520.5   9573.0    2516.3     9583.0   2512.7   9635.7   2507.4   9729.6   2503.1   9809.3
GR  2501.6   9855.5    2500.8     9912.0   2500.3   9939.9   2500.5   9956.9   2498.7   9965.5
GR  2498.5   9996.3    2498.5    10000.0   2497.8  10031.1   2497.8  10032.0   2515.0  10058.0
GR  2516.4  10060.0

ET                       9.1                                                   9762.0  10057.5
X1     2260       18    9747.4    10057.5      270      300      320
GR  2527.6   9652.3    2517.0     9696.3   2517.2   9710.7   2518.7   9724.2   2510.0   9747.4
GR  2509.2   9757.0    2505.9     9779.3   2506.9   9803.3   2506.4   9837.1   2506.4   9895.4
GR  2507.4   9934.1    2504.5     9959.2   2505.4   9980.8   2505.8  10000.0   2505.8  10020.0
GR  2503.3  10057.5    2508.8    10069.1   2521.5  10082.1

ET                       4.1     9886.6  10216.3
X1     2350       17    9886.6    10216.3      460      500      480
GR  2536.1   9847.4    2516.9     9865.6   2516.9   9886.6   2518.9   9910.2   2516.7   9933.9
GR  2518.3   9956.5    2518.2     9970.0   2517.7  10000.0   2517.9  10033.6   2519.5  10036.3
GR  2520.0  10046.6    2518.8    10185.9   2520.5  10216.3   2522.5  10234.9   2533.2  10254.2
GR  2533.1  10282.2    2539.0    10295.7
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ET                       4.1     9905.4  10236.5
X1     2460       15    9905.4    10236.5      580      580      580
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GR	2556.0	9866.4	2542.9	9892.5	2531.6	9905.4	2533.0	9972.5	2532.7	10000.0
GR	2532.7	10013.5	2533.8	10022.6	2533.8	10036.7	2531.4	10077.0	2532.5	10105.6
GR	2532.1	10189.9	2531.4	10236.5	2544.4	10260.7	2553.5	10288.2	2552.4	10298.7
		6.1	8.1			9618.5	10054.0	9556.7	10019.9	
X1	2570	19	9556.7	10019.9	550	540	580			
GR	2568.7	9434.4	2548.9	9502.5	2549.2	9535.8	2547.2	9556.7	2548.9	9567.5
GR	2548.4	9618.5	2549.7	9661.1	2548.7	9698.8	2550.7	9738.1	2549.2	9793.5
GR	2549.7	9838.1	2547.6	9889.6	2548.2	9924.9	2546.2	9953.0	2546.1	9985.1
GR	2546.2	10000.0	2545.4	10019.9	2549.7	10023.3	2566.9	10054.6		
NH	5	.045	9828.8	.035	10040.3	.045	10218.4	.035	10295	.045
NH	10344									
ET		6.1	8.1			9799.4	10343.0	9666.3	10266.2	
X1	2650	28	9666.3	10266.2	380	430	420			
GR	2575.3	9544.2	2565.3	9581.8	2556.7	9603.6	2560.0	9629.3	2557.8	9666.3
GR	2557.5	9705.5	2557.8	9736.0	2558.2	9771.8	2559.7	9799.4	2558.5	9828.8
GR	2557.9	9859.9	2557.7	9889.8	2557.9	9921.0	2557.3	9929.2	2556.1	9946.7
GR	2558.6	9973.9	2558.6	9982.3	2557.1	10000.0	2557.9	10040.3	2559.9	10064.7
GR	2559.9	10102.7	2558.2	10131.2	2559.5	10172.4	2558.3	10218.4	2557.0	10266.2
GR	2555.6	10295	2570.3	10323.5	2580.4	10344				
NH	5	.045	9910.4	.03	10000.0	.045	10175.1	.035	10212.4	.045
NH	10276									
ET			4.1	9910.4	10212.4					
X1	2730	17	9910.4	10212.4	380	350	420			
GR	2591.1	9860.5	2576.4	9891.0	2569.4	9910.4	2568.3	9935.6	2568.3	9938.0
GR	2568.3	9981.9	2569.2	10000.0	2569.5	10030.4	2569.7	10074.8	2570.6	10090.9
GR	2571.4	10115.7	2572.1	10141.1	2570.1	10175.1	2567.7	10212.4	2578.9	10244.8
	2588.0	10263.1	2595.6	10276						
NH	5	.045	9820.8	.035	9933.1	.045	10000.0	.025	10058.1	.045
NH	10103									
ET			4.1	9672.5	10030.2					
X1	2800	19	9672.5	10030.2	370	370	380			
GR	2598.9	9608.5	2585.6	9645.5	2582.0	9672.5	2580.4	9691.7	2581.4	9723.9
GR	2580.9	9763.0	2581.5	9796.9	2580.6	9820.8	2579.9	9848.2	2580.4	9876.2
GR	2579.6	9909.4	2580.5	9933.1	2580.6	9953.9	2580.8	10000.0	2578.6	10030.2
GR	2579.9	10035.2	2583.0	10058.1	2593.8	10085.5	2599.8	10103		
NC	.045	.045	.041							
ET			9.1						9780.0	10237.0
X1	2910	24	9650.2	10266.9	560	590	580			
GR	2615.2	9563.6	2606.7	9594.6	2602.6	9626.7	2599.8	9650.2	2598.6	9697.5
GR	2599.1	9736.8	2598.9	9794.1	2600.0	9825.9	2599.1	9868.7	2597.3	9891.5
GR	2598.8	9937.7	2598.9	9939.5	2598.0	9978.9	2597.2	10000.0	2597.8	10018.2
GR	2600.6	10035.0	2600.2	10039.7	2598.9	10091.8	2598.4	10179.0	2600.4	10235.1
GR	2601.1	10266.9	2606.7	10297.0	2613.9	10325.9	2618.9	10337.5		

ET			4.1	9974.4	10222.0					
X1	3010	15	9974.4	10222.0	520	520	530			
GR	2633.3	9938.8	2612.3	9973.2	2610.7	9974.4	2610.7	10000.0	2611.2	10035.7
GR	2610.9	10045.3	2611.1	10066.3	2613.2	10090.4	2613.0	10118.6	2614.2	10151.2
GR	2614.2	10181.1	2614.9	10222.0	2618.0	10247.8	2635.8	10293.8	2636.0	10293.9
ET			9.1						9833.0	10048.3

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X1     3120        15    9831.3   10048.3       540       450       580
GR   2644.1    9753.6    2639.9    9773.0    2635.1    9812.8    2632.9    9831.3    2628.3    9848.5
GR   2631.1    9860.5    2631.6    9879.9    2629.7    9921.9    2629.0    9946.9    2629.4   10000.0
     2628.4   10044.3    2628.7   10048.3    2638.4   10071.4    2652.9   10109.1    2653.7   10110.6

     .045       .045      .041
ET                         4.1    9704.0   10196.9
X1     3210        22    9704.0   10196.9       470       470       470
GR   2682.3    9574.7    2658.2    9624.6    2645.4    9652.7    2643.5    9677.3    2641.7    9704.0
GR   2641.8    9739.7    2641.1    9798.0    2639.9    9847.6    2640.2    9875.3    2640.8    9909.6
GR   2640.9    9932.8    2640.2    9975.8    2639.7   10000.0    2640.1   10024.4    2642.3   10034.1
GR   2642.6   10060.3    2641.7   10083.8    2641.7   10108.0    2641.8   10159.7    2642.9   10196.9
GR   2647.6   10219.6    2659.2   10261.2

ET                         9.1                                                        9780.6   10153.0
X1     3260        26    9780.6   10213.1       260       340       260
GR   2679.8    9666.5    2677.7    9679.9    2680.6    9696.5    2676.7    9715.1    2665.7    9745.7
GR   2653.4    9773.0    2646.0    9780.6    2646.2    9813.7    2646.6    9818.0    2647.0    9843.9
GR   2648.2    9880.4    2648.4    9935.6    2648.0    9972.0    2646.4    9994.3    2647.4   10000.0
GR   2647.2   10013.5    2649.5   10023.0    2650.1   10037.6    2650.4   10063.7    2647.8   10110.8
GR   2648.9   10132.1    2649.2   10136.0    2650.7   10162.5    2651.4   10213.1    2651.2   10266.3
GR   2653.8   10288.8
1
    3/15/90      10:33:26                                                                          PAGE    8


T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      100-YR FLOOD FREQUENCY MODEL (ENCROACHMENT CONDITIONS)
T3      N. TRIB. GALLOWAY WASH   (GA.MCE)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                                                          2216

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     15               -1



1
    3/15/90      10:33:26                                                                          PAGE    9


                                                                THIS RUN EXECUTED  3/15/90    10:34:53
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  HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989


  ERROR CORR -  01,02,03
  MODIFICATION -
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST


  N. TRIB. GALLOWAY WASH
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SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	320.000	7470.00	8.57	5.62	2210.00	.00	2215.62	561.01	374.44	9771.40	9670.00	10130.00	10145.84
	320.000	7470.00	7.56	6.00	2210.00	.00	2216.00	684.15	370.00	9760.00	9670.00	10130.00	10130.00
*	150.000	7470.00	8.67	4.69	2231.60	790.00	2236.29	528.20	626.54	9971.59	9985.00	10365.00	10598.13
*	150.000	7470.00	8.73	4.74	2231.60	790.00	2236.34	528.38	380.00	9985.00	9985.00	10365.00	10365.00
*	250.000	7470.00	8.44	5.82	2241.50	530.00	2247.32	542.74	611.73	9936.15	9975.00	10370.00	10711.07
*	250.000	7470.00	8.62	5.82	2241.50	530.00	2247.32	528.78	420.82	9975.00	9975.00	10370.00	10395.82
*	350.000	7470.00	8.15	4.33	2256.00	530.00	2260.33	524.36	465.61	9972.14	9980.00	10585.00	10593.03
*	350.000	7470.00	8.27	4.53	2256.00	530.00	2260.53	525.78	437.74	9980.00	9980.00	10585.00	10550.00
*	470.000	7470.00	7.72	4.38	2270.30	630.00	2274.68	546.16	498.60	9948.53	9963.10	10249.30	10484.68
*	470.000	7470.00	9.06	5.21	2270.30	630.00	2275.51	544.68	388.50	9963.10	9963.10	10249.30	10351.60
*	600.000	7470.00	7.69	7.91	2285.40	680.00	2293.30	517.14	827.56	9499.74	9646.70	10159.70	10433.44
*	600.000	7470.00	8.00	8.01	2285.40	680.00	2293.41	508.88	572.20	9690.00	9646.70	10159.70	10262.20
*	680.000	7470.00	9.76	7.87	2296.30	420.00	2304.17	551.63	293.78	9926.62	9964.20	10300.00	10220.40
*	680.000	7470.00	10.04	8.20	2296.30	420.00	2304.50	565.65	235.80	9964.20	9964.20	10300.00	10200.00
*	780.000	7470.00	10.25	4.41	2312.50	530.00	2316.91	578.86	240.22	9965.79	9977.50	10191.50	10206.01
*	780.000	7470.00	10.45	4.50	2312.50	530.00	2317.00	564.57	214.00	9977.50	9977.50	10191.50	10191.50
	870.000	7470.00	12.38	5.36	2323.00	480.00	2328.36	630.46	188.97	9839.01	9947.90	10020.60	10027.99
*	870.000	7470.00	13.39	5.74	2323.00	480.00	2328.74	582.88	120.50	9900.10	9947.90	10020.60	10020.60
*	970.000	7470.00	10.27	4.75	2336.80	530.00	2341.55	588.94	243.00	9945.05	9967.00	10171.40	10188.05
*	970.000	7470.00	10.63	4.83	2336.80	530.00	2341.63	567.92	204.40	9967.00	9967.00	10171.40	10171.40
*	1050.000	7470.00	10.84	5.54	2346.60	420.00	2352.14	588.69	195.99	9974.55	9988.30	10191.40	10170.54
*	1050.000	7470.00	10.94	5.65	2346.60	420.00	2352.25	580.65	183.34	9988.30	9988.30	10191.40	10171.64

1

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	1120.000	7470.00	9.80	5.45	2355.10	370.00	2360.55	558.87	262.92	9790.30	9691.40	10044.90	10053.22
*	1120.000	7470.00	9.82	5.51	2355.10	370.00	2360.61	557.80	253.90	9791.00	9691.40	10044.90	10044.90
*	1190.000	7470.00	11.96	5.92	2364.00	370.00	2369.92	650.95	169.16	9978.24	9985.00	10096.60	10147.40
*	1190.000	7470.00	12.95	6.21	2364.00	370.00	2370.21	592.88	111.60	9985.00	9985.00	10096.60	10096.60
*	1250.000	7470.00	11.29	5.56	2372.00	320.00	2377.56	659.15	222.27	9815.52	9890.00	10015.00	10037.78
*	1250.000	7470.00	12.51	5.78	2372.00	320.00	2377.78	583.28	125.00	9890.00	9890.00	10015.00	10015.00
*	1320.000	7470.00	9.75	5.94	2381.50	370.00	2387.44	557.59	279.33	9951.83	9960.00	10225.00	10231.16
	1320.000	7470.00	9.85	5.95	2381.50	370.00	2387.45	546.65	265.00	9960.00	9960.00	10225.00	10225.00
*	1420.000	7470.00	9.41	4.84	2394.50	530.00	2399.34	551.78	298.42	9743.26	9730.00	10045.00	10041.68
*	1420.000	7470.00	9.39	4.84	2394.50	530.00	2399.34	552.85	298.51	9743.19	9730.00	10045.00	10041.70

*	1530.000	7470.00	9.89	4.75	2409.00	580.00	2413.75	729.22	260.57	9778.76	9790.00	10035.00	10039.33
*	1530.000	7470.00	10.10	4.74	2409.00	580.00	2413.74	578.90	245.00	9790.00	9790.00	10035.00	10035.00
	1610.000	7470.00	8.81	3.70	2421.20	420.00	2424.90	598.30	336.82	9742.68	9758.10	10060.90	10079.50
	1610.000	7470.00	9.35	3.83	2421.20	420.00	2425.03	531.51	302.80	9758.10	9758.10	10060.90	10060.90
*	1700.000	7470.00	9.39	6.30	2430.80	480.00	2437.10	534.06	314.25	9698.74	9701.70	10015.80	10012.99
*	1700.000	7470.00	9.42	6.29	2430.80	480.00	2437.09	530.31	311.28	9701.70	9701.70	10015.80	10012.98
*	1790.000	7470.00	8.56	5.16	2445.10	480.00	2450.26	525.10	404.42	9953.89	9959.10	10364.70	10364.70
*	1790.000	7470.00	8.57	5.17	2445.10	480.00	2450.27	523.04	399.68	9959.10	9959.10	10364.70	10364.70
*	1830.000	7470.00	9.38	5.55	2450.70	210.00	2456.25	560.84	300.65	9820.72	9857.20	10181.00	10134.15
*	1830.000	7470.00	9.31	5.79	2450.70	210.00	2456.49	562.90	296.38	9863.14	9857.20	10181.00	10159.52
*	1890.000	6593.00	10.11	6.06	2458.70	320.00	2464.76	493.17	216.75	9834.60	9757.30	10045.90	10051.35
*	1890.000	6593.00	10.14	6.10	2458.70	320.00	2464.80	487.34	210.90	9835.00	9757.30	10045.90	10045.90
*	1990.000	6593.00	10.02	4.62	2468.80	530.00	2473.42	659.71	228.22	9877.10	9894.30	10103.80	10105.32
*	1990.000	6593.00	10.13	4.75	2468.80	530.00	2473.55	546.64	209.50	9894.30	9894.30	10103.80	10103.80
*	2070.000	6593.00	10.37	5.24	2479.30	420.00	2484.54	545.21	221.09	9924.90	9951.20	10110.80	10146.00
*	2070.000	6593.00	11.03	5.34	2479.30	420.00	2484.64	510.81	159.60	9951.20	9951.20	10110.80	10110.80
*	2140.000	6593.00	9.45	5.76	2487.40	370.00	2493.16	485.45	262.96	9901.95	9909.80	10234.80	10164.91
*	2140.000	6593.00	9.52	5.81	2487.40	370.00	2493.21	480.20	255.20	9909.80	9909.80	10234.80	10165.00
*	2200.000	6593.00	9.91	5.50	2497.80	320.00	2503.30	490.80	234.67	9805.64	9809.30	10032.00	10040.31
*	2200.000	6593.00	9.98	5.56	2497.80	320.00	2503.36	485.67	222.70	9809.30	9809.30	10032.00	10032.00
	2260.000	6593.00	8.00	5.46	2503.30	320.00	2508.76	575.48	309.08	9759.94	9747.40	10057.50	10069.02
	2260.000	6593.00	8.02	5.55	2503.30	320.00	2508.85	580.97	295.50	9762.00	9747.40	10057.50	10057.50
*	2350.000	6593.00	8.04	4.16	2516.70	480.00	2520.86	490.55	357.78	9861.85	9886.60	10216.30	10219.63
*	2350.000	6593.00	8.74	4.32	2516.70	480.00	2521.02	469.29	329.70	9886.60	9886.60	10216.30	10216.30

1

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	2460.000	6593.00	8.67	3.25	2531.40	580.00	2534.65	475.72	340.63	9901.92	9905.40	10236.50	10242.55
*	2460.000	6593.00	8.67	3.28	2531.40	580.00	2534.68	473.29	331.10	9905.40	9905.40	10236.50	10236.50
*	2570.000	6593.00	8.28	5.07	2545.40	580.00	2550.47	460.81	393.39	9618.50	9556.70	10019.90	10024.71
*	2570.000	6593.00	8.03	4.88	2545.40	580.00	2550.28	446.14	439.47	9556.70	9556.70	10019.90	10019.90
*	2650.000	6593.00	6.11	4.55	2555.60	420.00	2560.15	605.35	504.42	9799.40	9666.30	10266.20	10303.82
*	2650.000	6593.00	7.32	4.14	2555.60	420.00	2559.74	452.44	557.30	9666.30	9666.30	10266.20	10266.20
*	2730.000	6593.00	8.92	4.34	2567.70	420.00	2572.04	615.10	318.85	9903.08	9910.40	10212.40	10224.96
*	2730.000	6593.00	9.00	4.40	2567.70	420.00	2572.10	489.49	301.77	9910.40	9910.40	10212.40	10212.40
	2800.000	6593.00	7.93	4.13	2578.60	380.00	2582.73	581.66	389.06	9667.04	9672.50	10030.20	10056.09
	2800.000	6593.00	8.54	4.14	2578.60	380.00	2582.74	471.38	357.70	9672.50	9672.50	10030.20	10030.20
*	2910.000	6593.00	7.11	3.27	2597.20	580.00	2600.47	456.57	591.17	9644.60	9650.20	10266.90	10238.14
*	2910.000	6593.00	7.86	3.48	2597.20	580.00	2600.68	454.11	457.00	9780.00	9650.20	10266.90	10237.00

*	3010.000	6593.00	9.50	4.70	2610.70	530.00	2615.40	495.67	258.02	9968.13	9974.40	10222.00	10226.15
*	3010.000	6593.00	9.57	4.71	2610.70	530.00	2615.41	487.11	247.60	9974.40	9974.40	10222.00	10222.00
	3120.000	6593.00	9.95	4.45	2628.30	580.00	2632.75	497.90	226.07	9831.87	9831.30	10048.30	10057.94
	3120.000	6593.00	10.03	4.49	2628.30	580.00	2632.79	493.31	215.30	9833.00	9831.30	10048.30	10048.30
*	3210.000	6593.00	7.61	3.22	2639.70	470.00	2642.92	455.88	511.02	9685.96	9704.00	10196.90	10196.98
*	3210.000	6593.00	7.65	3.22	2639.70	470.00	2642.92	452.53	492.90	9704.00	9704.00	10196.90	10196.90
*	3260.000	6593.00	8.40	4.23	2646.00	260.00	2650.23	478.41	360.52	9776.25	9780.60	10213.10	10154.26
*	3260.000	6593.00	8.42	4.25	2646.00	260.00	2650.25	475.57	356.45	9780.60	9780.60	10213.10	10153.00

1

N. TRIB. GALLOWAY WASH

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
	320.000	7470.00	2215.62	.00	.00	.00	9670.00	10130.00	.00	177.30	2216.75	.00
	320.000	7470.00	2216.00	.38	.00	9670.00	9670.00	10130.00	10130.00	119.22	2216.89	.14
*	150.000	7470.00	2236.29	.00	20.67	.00	9985.00	10365.00	.00	200.00	2237.45	.00
*	150.000	7470.00	2236.34	.05	20.34	9985.00	9985.00	10365.00	10365.00	199.87	2237.52	.08
	250.000	7470.00	2247.32	.00	11.03	.00	9975.00	10370.00	.00	189.43	2248.42	.00
	250.000	7470.00	2247.32	-.01	10.97	9975.00	9975.00	10370.00	10420.00	199.57	2248.47	.05
*	350.000	7470.00	2260.33	.00	13.01	.00	9980.00	10585.00	.00	202.95	2261.36	.00
*	350.000	7470.00	2260.53	.20	13.21	9980.00	9980.00	10585.00	10550.00	201.85	2261.59	.24
*	470.000	7470.00	2274.68	.00	14.35	.00	9963.10	10249.30	.00	187.07	2275.70	.00
*	470.000	7470.00	2275.51	.83	14.98	9963.10	9963.10	10249.30	10351.60	188.09	2276.70	1.00
*	600.000	7470.00	2293.30	.00	18.62	.00	9646.70	10159.70	.00	208.65	2294.18	.00
*	600.000	7470.00	2293.41	.10	17.89	9690.00	9646.70	10159.70	10300.00	215.48	2294.36	.18
*	680.000	7470.00	2304.17	.00	10.86	2321.50	9964.20	10300.00	10220.40	183.38	2305.60	.00
*	680.000	7470.00	2304.50	.34	11.10	9964.20	9964.20	10300.00	10200.00	174.40	2306.07	.47
*	780.000	7470.00	2316.91	.00	12.74	.00	9977.50	10191.50	.00	166.53	2318.49	.00
*	780.000	7470.00	2317.00	.09	12.49	9977.50	9977.50	10191.50	10191.50	175.07	2318.69	.20
*	870.000	7470.00	2328.36	.00	11.46	.00	9947.90	10020.60	.00	140.39	2330.24	.00
*	870.000	7470.00	2328.74	.38	11.75	9900.10	9947.90	10020.60	10020.60	164.24	2331.24	1.00
*	970.000	7470.00	2341.55	.00	13.19	.00	9967.00	10171.40	.00	160.88	2343.14	.00
*	970.000	7470.00	2341.63	.08	12.89	9967.00	9967.00	10171.40	10171.40	173.01	2343.39	.25
*	1050.000	7470.00	2352.14	.00	10.59	.00	9988.30	10191.40	.00	161.01	2353.93	.00
*	1050.000	7470.00	2352.25	.10	10.62	9988.30	9988.30	10191.40	10176.00	165.51	2354.11	.17
	1120.000	7470.00	2360.55	.00	8.40	9790.30	9691.40	10044.90	10260.10	178.66	2362.02	.00
*	1120.000	7470.00	2360.61	.07	8.36	9791.00	9691.40	10044.90	10044.90	179.34	2362.11	.09
*	1190.000	7470.00	2369.92	.00	9.37	.00	9985.00	10096.60	.00	131.69	2371.94	.00

*	1190.000	7470.00	2370.21	.29	9.60	9985.00	9985.00	10096.60	10096.60	158.75	2372.81	.87
*	1250.000	7470.00	2377.56	.00	7.64	.00	9890.00	10015.00	.00	128.43	2379.36	.00
	1250.000	7470.00	2377.78	.22	7.57	9890.00	9890.00	10015.00	10015.00	164.02	2380.21	.85
	1320.000	7470.00	2387.44	.00	9.88	.00	9960.00	10225.00	.00	179.48	2388.90	.00
*	1320.000	7470.00	2387.45	.01	9.67	9960.00	9960.00	10225.00	10225.00	186.73	2388.96	.05
*	1420.000	7470.00	2399.34	.00	11.90	.00	9730.00	10045.00	.00	183.28	2400.71	.00
*	1420.000	7470.00	2399.34	.00	11.89	9735.00	9730.00	10045.00	10043.00	182.57	2400.71	.00

1

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	1530.000	7470.00	2413.75	.00	14.41	.00	9790.00	10035.00	.00	104.94	2415.24	.00
*	1530.000	7470.00	2413.74	-.01	14.40	9790.00	9790.00	10035.00	10035.00	166.51	2415.32	.07
*	1610.000	7470.00	2424.90	.00	11.16	.00	9758.10	10060.90	.00	155.88	2426.16	.00
*	1610.000	7470.00	2425.03	.13	11.29	9758.10	9758.10	10060.90	10060.90	197.53	2426.38	.23
*	1700.000	7470.00	2437.10	.00	12.20	.00	9701.70	10015.80	.00	195.64	2438.47	.00
*	1700.000	7470.00	2437.09	-.00	12.07	9701.70	9701.70	10015.80	10013.00	198.42	2438.47	.00
*	1790.000	7470.00	2450.26	.00	13.16	2464.00	9959.10	10364.70	10364.70	202.37	2451.40	.00
*	1790.000	7470.00	2450.27	.01	13.18	9959.10	9959.10	10364.70	10364.70	203.97	2451.41	.02
	1830.000	7470.00	2456.25	.00	5.99	2477.00	9857.20	10181.00	10181.00	177.40	2457.59	.00
	1830.000	7470.00	2456.49	.24	6.22	9857.20	9857.20	10181.00	10181.00	176.11	2457.84	.25
*	1890.000	6593.00	2464.76	.00	8.51	.00	9757.30	10045.90	.00	178.72	2466.33	.00
*	1890.000	6593.00	2464.80	.04	8.31	9835.00	9757.30	10045.90	10045.90	183.02	2466.40	.07
*	1990.000	6593.00	2473.42	.00	8.66	.00	9894.30	10103.80	.00	99.88	2474.94	.00
*	1990.000	6593.00	2473.55	.13	8.75	9894.30	9894.30	10103.80	10103.80	145.46	2475.14	.21
*	2070.000	6593.00	2484.54	.00	11.12	.00	9951.20	10110.80	.00	146.23	2486.12	.00
*	2070.000	6593.00	2484.64	.10	11.09	9951.20	9951.20	10110.80	10110.80	166.59	2486.53	.41
*	2140.000	6593.00	2493.16	.00	8.62	2513.00	9909.80	10234.80	10165.70	184.45	2494.54	.00
*	2140.000	6593.00	2493.21	.05	8.57	9909.80	9909.80	10234.80	10165.00	188.51	2494.62	.09
*	2200.000	6593.00	2503.30	.00	10.13	.00	9809.30	10032.00	.00	180.45	2504.81	.00
*	2200.000	6593.00	2503.36	.06	10.14	9809.30	9809.30	10032.00	10032.00	184.28	2504.90	.10
	2260.000	6593.00	2508.76	.00	5.46	.00	9747.40	10057.50	.00	131.25	2509.74	.00
	2260.000	6593.00	2508.85	.09	5.49	9762.00	9747.40	10057.50	10057.50	128.78	2509.85	.10
*	2350.000	6593.00	2520.86	.00	12.10	.00	9886.60	10216.30	.00	180.63	2521.97	.00
*	2350.000	6593.00	2521.02	.16	12.17	9886.60	9886.60	10216.30	10216.30	197.37	2522.21	.24
*	2460.000	6593.00	2534.65	.00	13.79	.00	9905.40	10236.50	.00	192.07	2535.81	.00
*	2460.000	6593.00	2534.68	.03	13.66	9905.40	9905.40	10236.50	10236.50	194.05	2535.84	.04
	2570.000	6593.00	2550.47	.00	15.82	9618.50	9556.70	10019.90	10054.00	204.70	2551.53	.00
*	2570.000	6593.00	2550.28	-.19	15.60	9556.70	9556.70	10019.90	10019.90	218.38	2551.28	-.25
*	2650.000	6593.00	2560.15	.00	9.68	9799.40	9666.30	10266.20	10343.00	118.62	2560.96	.00

*	2650.000	6593.00	2559.74	-.41	9.46	9666.30	9666.30	10266.20	10266.20	212.34	2560.57	-.39
*	2730.000	6593.00	2572.04	.00	11.89	.00	9910.40	10212.40	.00	114.89	2573.26	.00
	2730.000	6593.00	2572.10	.05	12.35	9910.40	9910.40	10212.40	10212.40	181.42	2573.35	.10
	2800.000	6593.00	2582.73	.00	10.69	.00	9672.50	10030.20	.00	128.48	2583.77	.00
*	2800.000	6593.00	2582.74	.02	10.65	9672.50	9672.50	10030.20	10030.20	195.62	2583.88	.10

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	2910.000	6593.00	2600.47	.00	17.74	.00	9650.20	10266.90	.00	208.52	2601.25	.00
*	2910.000	6593.00	2600.68	.21	17.94	9780.00	9650.20	10266.90	10237.00	210.79	2601.64	.39
*	3010.000	6593.00	2615.40	.00	14.93	.00	9974.40	10222.00	.00	176.92	2616.79	.00
*	3010.000	6593.00	2615.41	.01	14.73	9974.40	9974.40	10222.00	10222.00	183.19	2616.83	.04
*	3120.000	6593.00	2632.75	.00	17.35	.00	9831.30	10048.30	.00	175.34	2634.27	.00
*	3120.000	6593.00	2632.79	.04	17.37	9833.00	9831.30	10048.30	10048.30	178.62	2634.35	.08
*	3210.000	6593.00	2642.92	.00	10.17	.00	9704.00	10196.90	.00	209.15	2643.81	.00
*	3210.000	6593.00	2642.92	.00	10.13	9704.00	9704.00	10196.90	10196.90	212.26	2643.82	.01
*	3260.000	6593.00	2650.23	.00	7.32	.00	9780.60	10213.10	.00	189.92	2651.32	.00
*	3260.000	6593.00	2650.25	.01	7.33	9780.60	9780.60	10213.10	10153.00	192.19	2651.35	.02

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 150.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 150.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 150.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 150.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 250.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
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CAUTION SECNO= 250.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

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CAUTION SECNO= 350.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
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CAUTION SECNO= 350.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

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CAUTION SECNO= 470.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 600.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=    600.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   3260.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

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FLOODWAY DATA, N. TRIB. GALLOWAY WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
320.000	370.	988.	7.6	2216.0	2215.6	.4
150.000	380.	856.	8.7	2236.3	2236.3	.0
250.000	421.	873.	8.6	2247.3	2247.3	.0
350.000	570.	903.	8.3	2260.5	2260.3	.2
470.000	388.	876.	8.5	2275.5	2274.7	.8
600.000	572.	974.	7.7	2293.4	2293.3	.1
680.000	236.	744.	10.0	2304.5	2304.2	.3
780.000	214.	715.	10.4	2317.0	2316.9	.1
870.000	120.	597.	12.5	2328.7	2328.4	.3
970.000	204.	702.	10.6	2341.6	2341.6	.0
1050.000	183.	683.	10.9	2352.2	2352.1	.1
1120.000	254.	760.	9.8	2360.6	2360.5	.1
1190.000	112.	577.	12.9	2370.2	2369.9	.3
1250.000	125.	597.	12.5	2377.8	2377.6	.2
1320.000	265.	758.	9.9	2387.4	2387.4	.0
1420.000	299.	795.	9.4	2399.3	2399.3	.0
[illegible]0.000	245.	740.	10.1	2413.7	2413.7	.0
610.000	303.	799.	9.3	2425.0	2424.9	.1
1700.000	311.	793.	9.4	2437.1	2437.1	.0
1790.000	406.	872.	8.6	2450.3	2450.3	.0
1830.000	296.	803.	9.3	2456.5	2456.3	.2
1890.000	211.	650.	10.1	2464.8	2464.8	.0
1990.000	209.	651.	10.1	2473.5	2473.4	.1
2070.000	160.	598.	11.0	2484.6	2484.5	.1
2140.000	255.	692.	9.5	2493.2	2493.2	.0
2200.000	223.	661.	10.0	2503.4	2503.3	.1
2260.000	295.	822.	8.0	2508.8	2508.8	.0
2350.000	330.	754.	8.7	2521.0	2520.9	.1
2460.000	331.	760.	8.7	2534.7	2534.6	.1
2570.000	463.	821.	8.0	2550.3	2550.5	-.2
2650.000	600.	900.	7.3	2559.7	2560.1	-.4
2730.000	302.	733.	9.0	2572.1	2572.0	.1
2800.000	358.	772.	8.5	2582.7	2582.7	.0
2910.000	457.	839.	7.9	2600.7	2600.5	.2
3010.000	248.	689.	9.6	2615.4	2615.4	.0
3120.000	215.	657.	10.0	2632.8	2632.7	.1
3210.000	493.	862.	7.6	2642.9	2642.9	.0
3260.000	372.	783.	8.4	2650.2	2650.2	.0