```
*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     9/24/90    TIME    12:54:22         *
*****************************************************
```

```
****************************************
*  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

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

THIS RUN EXECUTED 9/24/90 12:54:22

```
**************************************************
  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


VARIABLE 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

          ****** STREAM REACH DISTANCES REVISED 9-18-90
          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
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   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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     2147.2   10031.4    2178.6   10068.4    2182.6   10076.3

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       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
     2168.4   9814.7    2167.8    9863.8    2164.8    9934.0    2164.3    9968.0    2157.1    9983.3
     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
     2179.0   9944.4    2173.8    9957.1    2172.5    9973.8    2171.3   10000.0    2171.4   10011.3
     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

X1    36490      18    9971.6   10114.1     420       330       400
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       210       200
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       300       300
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
    2229.0   10000.0    2232.1   10025.3    2231.8   10030.5    2241.5   10061.1    2245.8   10100.7
    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       320       370
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
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

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
GR   2315.7  10396.6    2318.1   10414.3    2330.4   10443.6    2337.7   10456.0
```

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			
	2351.5	9776.0	2332.6	9812.7	2332.8	9850.0	2332.5	9896.5	2329.9	9921.3
	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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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 1



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
3720 CRITICAL DEPTH ASSUMED
         ****** STREAM REACH DISTANCES REVISED 9-18-90
         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


*SECNO  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
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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 35770.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

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

DIVIDED FLOW

35870.000	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

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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  36060.000

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
   28582     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
   11969     350.      420.     430.        3         8         0       .00    199.95 10053.81
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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  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    10.20  2204.10      .00       .00  2206.65      2.55      6.19       .33  2199.00
   16870.     1059.   14721.    1090.      145.    1103.      117.      208.       46.   2198.80
      .13     7.31    13.34     9.33      .065     .065      .065      .000  2193.90  9919.98
  .022680     420.     400.     330.         2        0         0       .00   221.78 10141.76


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

36520.000    13.73  2208.23      .00       .00  2211.43      3.20      4.59       .19  2200.90
   16870.     1660.   12598.    2612.      174.     812.      247.      214.       47.   2199.40
      .13     9.56    15.52    10.56      .065     .065      .065      .000  2194.50  9886.68
  .022947     200.     200.     210.         2        0         0       .00   179.11 10065.79


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.82

36610.000    14.97  2215.57      .00       .00  2217.02      1.45      5.42       .18  2204.50
   16870.     2335.   10762.    3773.      316.    1015.      477.      230.       49.   2204.40
      .15     7.38    10.61     7.91      .065     .065      .065      .000  2200.60  9908.72
  .006941     400.     480.     470.         3        0         0       .00   184.93 10093.65
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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  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    14.57  2218.47      .00       .00  2220.91      2.44      3.59       .30  2209.30
   16870.      552.   12892.    3426.      82.     946.      418.      244.       51.   2209.80
      .16     6.76    13.63     8.20     .065     .065      .065      .000   2203.90  9939.18
  .013436     380.     380.     390.        2        0         0       .00    185.79 10124.97


*SECNO  36780.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED E2 & E3 CONC. PT.
36780.000    14.79  2224.69      .00       .00  2226.51      1.82      5.53       .06  2215.40
   16966.      332.   14943.    1691.      60.    1328.      239.      261.       53.   2218.70
      .17     5.51    11.25     7.08     .065     .065      .065      .000   2209.90  9963.34
  .009894     470.     480.     500.        2        0         0       .00    176.00 10139.34


*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      7.92       .74  2226.30
   16966.     3137.   13365.     464.     258.     756.       54.      278.       54.   2226.50
      .18    12.17    17.67     8.53     .065     .065      .065      .000   2221.50  9909.61
  .024696     550.     530.     560.       20       15         0       .00    127.40 10037.01


*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.    2023.     257.    1551.      435.      294.       56.   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

3265 DIVIDED FLOW

37010.000    14.40  2243.40      .00       .00  2244.75      1.35      1.87       .11  2235.50
   16966.    4154.   12778.      35.      631.    1270.       17.      308.       58.   2241.50
      .20     6.59    10.06     2.04      .065     .065      .065      .000  2229.00  9803.98
  .009050     320.     300.     300.         3        0         0       .00   280.38 10161.12


*SECNO  37080.000
37080.000    10.93  2246.73      .00       .00  2247.96      1.23      3.20       .01  2240.40
   16966.     402.   11793.    4771.       68.    1262.      605.      325.       61.   2239.20
      .21     5.92     9.34     7.88      .065     .065      .065      .000  2235.80  9932.73
  .008410     400.     370.     320.         3        0         0       .00   240.96 10173.70


*SECNO  37120.000

 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
37120.000    14.78  2248.48  2248.48       .00  2251.38      2.90      2.76       .50  2247.20
   16966.       2.   11728.    5237.        1.     781.      522.      332.       62.   2246.80
      .22     2.17    15.02    10.03      .065     .065      .065      .000  2233.70  9967.75
  .026390     210.     210.     180.         2       11         0       .00   222.28 10190.03


*SECNO  37200.000

3301 HV CHANGED MORE THAN HVINS


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

37200.000    12.82  2255.92      .00       .00  2257.58      1.66      6.08       .12  2248.90
   16966.    4284.   12666.      16.      558.    1141.        6.      345.       63.   2251.60
      .23     7.68    11.10     2.71      .065     .065      .065      .000  2243.10  9853.37
  .011532     380.     370.     320.         3        0         0       .00   245.19 10098.56
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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

3301 HV CHANGED MORE THAN HVINS

37270.000    13.12  2259.82      .00      .00  2260.95     1.13     3.31      .05  2254.40
   16966.     8881.    7875.     210.    1159.     828.      71.     358.      66.   2256.60
      .24     7.67     9.51     2.95     .065     .065     .065     .000  2246.70  9748.43
  .009374     240.     370.     350.        3        0        0      .00   343.13 10091.56


*SECNO  37310.000
37310.000    12.05  2261.65      .00      .00  2263.27     1.61     2.17      .14  2256.10
   16966.     3738.   13027.     201.     495.    1196.      70.     367.      67.   2259.20
      .24     7.56    10.89     2.86     .065     .060     .065     .000  2249.60  9790.98
  .011917     200.     210.     220.        2        0        0      .00   298.08 10089.06


*SECNO  37370.000

 HV CHANGED MORE THAN HVINS

          SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
37370.000    10.73  2264.43      .00      .00  2265.01      .58     1.64      .10  2261.20
    7105.       12.    6850.     243.      10.    1099.     193.     378.      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   272.36 10211.79


*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     7.91  2265.61  2265.61      .00  2268.00     2.39     1.61      .54  2262.30
    7105.        7.    6749.     349.       3.     532.     112.     390.      72.   2266.10
      .27     1.95    12.70     3.12     .065     .035     .065     .000  2257.70  9967.72
  .008610     480.     530.     450.       20       20        0      .00   181.69 10448.13
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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  37570.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

37570.000    10.59  2269.99      .00      .00  2271.40      1.41      3.30       .10  2272.70
    7105.       0.     6370.     735.       0.     637.     273.     399.       74.   2269.20
      .28      .00     10.01     2.69     .000     .035     .065     .000  2259.40  9967.96
  .004768     520.      530.     490.        2        0        0      .00   253.42 10509.72


*SECNO  37660.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3220 CRITICAL DEPTH ASSUMED
    0.000     5.32  2275.32  2275.32      .00  2276.79      1.48      4.24       .02  2272.80
    7105.      15.     6151.     939.       4.     605.     146.     408.       77.   2277.00
      .30     3.38     10.17     6.42     .065     .045     .065     .000  2270.00  9919.99
  .021504     500.      480.     490.        7        8        0      .00   271.98 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.     418.       80.   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
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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
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.      423.      82.    2287.30
     .32     1.89     10.09     .00     .065     .035     .000      .000  2282.70  9879.28
  .011799    280.      260.    280.       3       14        0       .00   253.84 10133.12


*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.     1311.    14954.     348.     351.    1066.      87.      440.      87.    2289.00
     .34     3.74     14.02     4.03     .065     .040     .065      .000  2283.70  9772.82
  .008214    670.      690.    730.       3       20        0       .00   311.86 10084.69


SECNO  38030.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000     9.26  2302.06  2302.06      .00  2304.93      2.87      4.84       .03  2297.80
   16613.     165.    15879.     569.      42.    1144.     152.      458.      90.    2298.30
     .35     3.96     13.88     3.75     .065     .040     .065      .000  2292.80  9934.36
  .010258    520.      530.    520.       0       11        0       .00   275.92 10210.28


*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.    2907.     686.     869.     603.      481.      95.    2301.80
     .37     6.62     10.55     4.82     .065     .060     .065      .000  2294.50  9842.24
  .007180    590.      580.    560.       2        0        0       .00   390.90 10233.15


*SECNO  38250.000

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
38250.000	8.90	2312.80	.00	.00	2314.72	1.92	4.48	.22	2303.90
16613.	284.	14640.	1689.	54.	1246.	398.	503.	99.	2309.00
.38	5.29	11.75	4.24	.065	.045	.065	.000	2303.90	9917.84
.009765	470.	580.	390.	2	0	0	.00	371.83	10289.67

*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	3.87	.15	2315.80
16613.	5169.	11010.	434.	791.	750.	89.	517.	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.	542.	107.	2320.60
.41	5.56	10.39	2.25	.065	.040	.065	.000	2314.30	9473.26
.008120	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.	559.	111.	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

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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  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.      579.      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


*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.      598.      118.   2334.60
      .44     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.      612.      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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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  35490.000
3720 CRITICAL DEPTH ASSUMED
         ****** STREAM REACH DISTANCES REVISED 9-18-90
         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


*SECNO  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
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        SUBWATERSHED E7 & E8 CONC. PT.
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

3685 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

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
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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  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

3301 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

3301 HV CHANGED MORE THAN HVINS


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

36490.000    11.77  2205.67      .00      .00  2209.12     3.45     5.96      .51  2199.00
   24778.    2212.   20725.    1841.     228.    1327.     162.     289.      51.   2198.80
      .12     9.71    15.62    11.33     .065     .065     .065     .000  2193.90  9917.56
  .024281     420.     400.     330.        2        0        0      .00   226.92 10144.49
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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  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36520.000    15.64  2210.14  2210.14      .00  2214.28     4.14     4.83      .21  2200.90
   24778.     3004.   17274.    4500.     257.     971.     355.     296.      52.   2199.40
      .12    11.68    17.79    12.67     .065     .065     .065     .000  2194.50  9881.49
  .023750     200.     200.     210.        3       11        0      .00   188.68 10070.17


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


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

   0.000    17.61  2218.21      .00      .00  2220.11     1.90     5.61      .22  2204.50
   24778.    3865.   14822.    6091.     448.    1214.     649.     317.      54.   2204.40
      .13     8.62    12.21     9.39     .065     .065     .065     .000  2200.60  9901.40
  .007232     400.     480.     470.        3        0        0      .00   197.68 10099.08


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    17.20  2221.10      .00      .00  2223.94     2.84     3.55      .28  2209.30
   24778.    1036.   17273.    6469.     135.    1157.     657.     336.      56.   2209.80
      .14     7.66    14.93     9.85     .065     .065     .065     .000  2203.90  9934.06
  .012319     380.     380.     390.        3        0        0      .00   197.45 10131.51


*SECNO  36780.000
          SUBWATERSHED E2 & E3 CONC. PT.
36780.000    17.13  2227.02      .00      .00  2229.48     2.45     5.50      .04  2215.40
   24890.     641.   21071.    3178.      94.    1602.     354.     358.      58.   2218.70
      .15     6.79    13.15     8.99     .065     .065     .065     .000  2209.90  9960.06
  .010534     470.     480.     500.        3        0        0      .00   184.89 10144.95
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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  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      5.27      8.07       .84  2226.30
   24890.     5454.    18484.     952.     382.     934.      96.     379.       60.   2226.50
      .16    14.28     19.78     9.92     .065     .065     .065     .000   2221.50  9904.23
  .023363     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

60.000       18.95  2244.95      .00      .00  2246.06      1.11      3.26       .42  2228.30
   24890.     2546.    17767.    4577.     371.    1919.     845.     401.       62.   2230.70
      .18     6.87      9.26     5.42     .065     .065     .065     .000   2226.00  9905.20
  .003916     380.      420.     420.        3        0        0      .00    288.65 10193.86


*SECNO  37010.000
37010.000    17.33  2246.33      .00      .00  2247.62      1.29      1.51       .06  2235.50
   24890.     7586.    16527.     776.    1065.    1639.     255.     422.       65.   2241.50
      .19     7.12     10.09     3.04     .065     .065     .065     .000   2229.00  9770.74
  .006481     320.      300.     300.        3        0        0      .00    434.39 10205.13


*SECNO  37080.000
37080.000    13.02  2248.82      .00      .00  2250.45      1.63      2.73       .10  2240.40
   24890.      730.    16693.    7467.     104.    1542.     819.     445.       68.   2239.20
      .20     7.02     10.82     9.12     .065     .065     .065     .000   2235.80  9920.83
  .008642     400.      370.     320.        2        0        0      .00    273.05 10193.88


*SECNO  37120.000
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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

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

37120.000	16.51	2250.21	2250.19	.00	2253.83	3.62	2.78	.60	2247.20
24890.	17.	15818.	9055.	4.	939.	751.	455.	69.	2246.80
.20	3.81	16.84	12.06	.065	.065	.065	.000	2233.70	9966.06
.025906	210.	210.	180.	4	11	0	.00	228.30	10194.35

*SECNO 37200.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.49

00.000	14.83	2257.93	.00	.00	2260.02	2.09	6.04	.15	2248.90
24890.	7490.	17355.	45.	844.	1375.	13.	471.	71.	2251.60
.21	8.87	12.62	3.51	.065	.065	.065	.000	2243.10	9832.74
.011626	380.	370.	320.	2	0	0	.00	267.09	10099.83

*SECNO 37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000	15.17	2261.87	.00	.00	2263.20	1.33	3.10	.08	2254.40
24890.	13361.	10464.	1065.	1551.	1014.	258.	489.	73.	2256.60
.22	8.62	10.32	4.12	.065	.065	.065	.000	2246.70	9743.62
.008412	240.	370.	350.	3	0	0	.00	402.47	10146.09

*SECNO 37310.000

3301 HV CHANGED MORE THAN HVINS

37310.000	13.83	2263.43	.00	.00	2265.44	2.01	2.04	.20	2256.10
24890.	5964.	17940.	986.	666.	1457.	239.	501.	75.	2259.20
.22	8.95	12.32	4.13	.065	.060	.065	.000	2249.60	9787.96
.011723	200.	210.	220.	2	0	0	.00	406.13	10194.09

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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  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.     503.     517.      78.   2261.10
      .24     1.38     6.38     1.65     .065     .035     .065     .000  2253.70  9935.50
  .001170     320.     320.     340.        2        0        0      .00   354.64 10290.13


*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
    9819.      17.    8165.    1637.       8.     703.     642.     536.      83.   2266.10
      .25     2.02    11.62     2.55     .065     .035     .065     .000  2257.70  9966.55
  .005094     480.     530.     450.       20       19        0      .00   512.00 10478.55


*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.     550.      87.   2269.20
      .26      .00    12.85     3.56     .000     .035     .065     .000  2259.40  9967.42
  .007369     520.     530.     490.        2        8        0      .00   265.81 10513.01


*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     1.58     5.13      .07  2272.80
    9819.      30.    8394.    1395.       8.     792.      224.     561.      90.   2277.00
      .28     3.69    10.59     6.22     .065     .045     .065     .000  2270.00  9918.72
  .016790     500.     480.     490.        8       11        0      .00   307.71 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.     573.      94.   2280.90
      .29     2.81     9.82     5.04     .065     .045     .065     .000  2276.50  9954.04
  .014740     450.     480.     450.        4        0        0      .00   347.18 10345.34


*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.     579.      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.     602.     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.      627.      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.      659.      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.      689.      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.      707.      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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   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    10.47  2324.77      .00      .00  2325.86     1.09     4.67      .19  2320.40
   24246.   15291.    8916.      39.    2504.     791.      14.     740.     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.     764.     128.   2317.80
      .39     6.57    17.25     6.04     .065     .040     .065     .000  2314.90  9608.03
  .008545     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.     790.     132.   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.     814.     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
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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 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.	833.	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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   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


*PROF 3



CCHV=     .100 CEHV=     .300
*SECNO  35490.000
3720 CRITICAL DEPTH ASSUMED
         ****** STREAM REACH DISTANCES REVISED 9-18-90
         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


*SECNO  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
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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 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


NO  35960.000

3301 HV CHANGED MORE THAN HVINS

3685 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
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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  36180.000

3301 HV CHANGED MORE THAN HVINS

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
     2168     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


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .62

36490.000    12.36  2206.26  2206.13      .00  2210.11      3.85      5.88       .60  2199.00
   28271.     2759.   23327.    2185.     260.    1410.      180.      321.       53.   2198.80
      .12    10.63    16.55    12.11     .065     .065      .065      .000  2193.90  9916.67
  .025137     420.     400.     330.        4       11         0       .00   228.83 10145.50


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   20.000    16.44  2210.94  2210.94      .00  2215.40      4.46      4.89       .18  2200.90
   28271.     3654.   19214.    5403.     295.    1038.      403.      329.       54.   2199.40
      .12    12.37    18.51    13.42     .065     .065      .065      .000  2194.50  9879.30
  .023511     200.     200.     210.        3       11         0       .00   192.27 10071.58


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.78

36610.000    18.60  2219.20      .00      .00  2221.30      2.10      5.66       .24  2204.50
   28271.     4573.   16560.    7138.     503.    1289.      717.      352.       56.   2204.40
      .13     9.10    12.84     9.96     .065     .065      .065      .000  2200.60  9898.65
  .007390     400.     480.     470.        3        0         0       .00   202.47 10101.13


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    18.21  2222.11      .00      .00  2225.13      3.02      3.56       .28  2209.30
   28271.     1276.   19123.    7872.     159.    1238.      754.      373.       58.   2209.80
      .14     8.00    15.44    10.45     .065     .065      .065      .000  2203.90  9932.10
  .012044     380.     380.     390.        3        0         0       .00   201.93 10134.02
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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  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.     820.   23679.    3883.      110.    1710.      402.      397.       60.   2218.70
      .15     7.46     13.85     9.65      .065     .065      .065      .000  2209.90  9958.78
  .010715     470.      480.     500.         3        0         0       .00   188.38 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.      420.       62.   2226.50
      .16    15.00     20.56    10.43      .065     .065      .065      .000  2221.50  9902.11
  .022906     550.      530.     560.        20       11         0       .00   141.17 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.    5857.      421.    2066.     1016.      444.       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    18.54  2247.54      .00       .00  2248.75      1.22      1.37       .02  2235.50
   28381.    9054.   17746.    1581.     1272.    1790.      437.      469.       67.   2241.50
      .18     7.12      9.91     3.62      .065     .065      .065      .000  2229.00  9758.24
  .005563     320.      300.     300.         3        0         0       .00   459.16 10217.41


*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	13.86	2249.66	.00	.00	2251.43	1.77	2.51	.17	2240.40
28381.	918.	18759.	8704.	135.	1654.	916.	495.	70.	2239.20
.19	6.81	11.34	9.50	.065	.065	.065	.000	2235.80	9901.20
.008646	400.	370.	320.	2	0	0	.00	300.10	10201.30

*SECNO 37120.000

3301 HV CHANGED MORE THAN HVINS

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

37120.000	17.24	2250.94	2250.81	.00	2254.80	3.87	2.75	.63	2247.20
28381.	30.	17501.	10851.	7.	1006.	849.	505.	71.	2246.80
.19	4.34	17.39	12.79	.065	.065	.065	.000	2233.70	9965.34
.025214	210.	210.	180.	4	11	0	.00	230.30	10195.65

*SECNO 37200.000

3301 HV CHANGED MORE THAN HVINS

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

37200.000	15.58	2258.68	.00	.00	2260.97	2.28	6.00	.16	2248.90
28381.	8989.	19331.	61.	954.	1463.	16.	523.	73.	2251.60
.20	9.42	13.21	3.80	.065	.065	.065	.000	2243.10	9831.75
.011729	380.	370.	320.	2	0	0	.00	268.56	10100.31

*SECNO 37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000	15.99	2262.69	.00	.00	2264.07	1.38	3.02	.09	2254.40
28381.	15242.	11489.	1650.	1709.	1088.	363.	543.	75.	2256.60
.21	8.92	10.56	4.54	.065	.065	.065	.000	2246.70	9741.46
.008024	240.	370.	350.	2	0	0	.00	426.15	10167.60

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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    14.55  2264.15      .00      .00  2266.25     2.10     1.96      .21  2256.10
   28381.    6893.   19831.    1657.     737.    1562.     379.     556.      77.   2259.20
      .22     9.35    12.69     4.38     .065     .060     .065     .000  2249.60  9786.74
  .011348     200.     210.     220.        2        0        0      .00   463.88 10250.62


*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.    9768.    1161.      35.    1515.     660.     575.      81.   2261.10
      .23     1.44     6.45     1.76     .065     .035     .065     .000  2253.70  9934.04
  .001077     320.     320.     340.        2        0        0      .00   387.27 10321.31


*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.    8795.    2164.      10.     733.     782.     596.      86.   2266.10
      .25     2.11    11.99     2.77     .065     .035     .065     .000  2257.70  9966.34
  .005126     480.     530.     450.       20       19        0      .00   518.78 10485.12


*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
 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


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.     612.      90.   2269.20
      .26      .00    13.13     3.78     .000     .035     .065     .000  2259.40  9966.73
  .007131     520.     530.     490.        2        8        0      .00   288.08 10517.14


*SECNO  37660.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


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

37660.000     6.54  2276.54  2276.49      .00  2278.22     1.68     5.01      .06  2272.80
   10979.      37.     9318.     1624.       9.     849.     261.     624.      94.   2277.00
      .27     3.87    10.98     6.21     .065     .045     .065     .000  2270.00  9918.34
  .016610     500.     480.     490.        6       11        0      .00   375.62 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.       7.     928.     274.     637.      98.   2280.90
      .28     3.02    10.25     5.25     .065     .045     .065     .000  2276.50  9953.42
  .014823     450.     480.     450.        4        0        0      .00   356.21 10348.61


*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.     644.     100.   2287.30
      .29     2.66    11.37     1.09     .065     .035     .065     .000  2282.70  9847.47
  .010384     280.     260.     280.        3       14        0      .00   298.97 10146.44


*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    13.12  2296.82  2296.82      .00  2300.40     3.58     6.12      .48  2290.20
   27603.    4123.   22482.     998.     717.    1355.     170.     669.     105.   2289.00
      .30     5.75    16.60     5.87     .065     .040     .065     .000  2283.70  9768.73
  .008366     670.     690.     730.        2       20        0      .00   325.16 10093.89


*SECNO  38030.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
38030.000    11.88  2304.68  2304.68      .00  2308.04     3.36     4.45      .02  2297.80
   27603.     605.   24353.    2645.     116.    1566.     538.     696.     109.   2298.30
      .31     5.23    15.55     4.91     .065     .040     .065     .000  2292.80  9918.25
  .008483     520.     530.     520.       20       11        0      .00   393.10 10311.35


*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.   12491.    7305.     964.    1050.    1245.     733.     115.   2301.80
      .33     8.10    11.89     5.87     .065     .060     .065     .000  2294.50  9839.02
  .007085     590.     580.     560.        3        0        0      .00   483.47 10322.48


*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.   22391.    4726.      81.    1612.     831.     765.     120.   2309.00
      .34     6.03    13.89     5.69     .065     .045     .065     .000  2303.90  9915.12
  .009686     470.     580.     390.        2        0        0      .00   448.74 10363.86
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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.      786.      123.   2313.30
      .35     8.04     17.18     6.66     .065     .040      .065      .000   2306.10  9738.87
  .011073     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.      822.      129.   2320.60
      .37     6.36     11.67     2.98     .065     .040      .065      .000   2314.30  9469.33
  .006743     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.      848.      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.      878.      137.   2324.00
      .39    11.65     18.14     9.47     .065     .060      .065      .000   2323.70  9804.70
  .019591     520.      580.     570.        4        0         0       .00    268.29 10072.99
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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

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.     903.     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.     925.     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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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  35490.000
          ****** STREAM REACH DISTANCES REVISED 9-18-90
          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


SECNO  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
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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
         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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 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
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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    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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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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36490.000    13.42  2207.32  2207.32      .00  2211.85      4.53      5.65       .76  2199.00
   34802.    3863.   28080.    2860.     319.    1561.      215.      379.       55.   2198.80
      .11    12.11    17.98    13.31     .065     .065      .065      .000   2193.90   9915.03
  .025912     420.     400.     330.        2       15         0       .00    232.31  10147.34


*SECNO  36520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
36520.000    17.82  2212.32  2212.32      .00  2217.35      5.03      4.93       .15  2200.90
   34802.    4920.   22748.    7134.     365.    1153.      487.      388.       56.   2199.40
      .12    13.48    19.72    14.65     .065     .065      .065      .000   2194.50   9875.54
  .023198     200.     200.     210.        2       11         0       .00    198.44  10073.98


*SECNO  36610.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.74

36610.000    20.30  2220.90      .00       .00  2223.34      2.44      5.73       .26  2204.50
   34802.    5951.   19720.    9131.     603.    1419.      839.      414.       58.   2204.40
      .13     9.87    13.90    10.88     .065     .065      .065      .000   2200.60   9893.92
  .007623     400.     480.     470.        3        0         0       .00    210.72  10104.64


*SECNO  36690.000

3301 HV CHANGED MORE THAN HVINS

36690.000    19.94  2223.84      .00       .00  2227.18      3.34      3.57       .27  2209.30
   34802.    1760.   22457.   10585.     205.    1377.      924.      438.       60.   2209.80
      .13     8.56    16.30    11.45     .065     .065      .065      .000   2203.90   9928.73
  .011651     380.     380.     390.        3        0         0       .00    209.19  10137.92
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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      5.49      .02  2215.40
   34909.    1179.   28468.    5262.     139.    1893.      490.      466.      62.   2218.70
      .14     8.48    15.04    10.75     .065     .065      .065      .000  2209.90  9956.58
  .011032     470.     480.     500.        3        0         0       .00   194.33 10150.91


*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      8.12      .94  2226.30
   34909.    8591.   24589.    1730.     533.    1127.      154.      492.      64.   2226.50
      .15    16.13    21.82    11.23     .065     .065      .065      .000  2221.50  9898.40
  .022125     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.      521.      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    20.73  2249.73      .00      .00  2250.81      1.08      1.15      .01  2235.50
   34909.   11772.   19662.    3475.    1684.    2067.      789.      551.      69.   2241.50
      .17     6.99     9.51     4.40     .065     .065      .065      .000  2229.00  9742.47
  .004228     320.     300.     300.        3        0         0       .00   481.94 10224.41


*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	15.42	2251.22	.00	.00	2253.17	1.95	2.10	.26	2240.40
34909.	1471.	22344.	11094.	235.	1863.	1110.	584.	73.	2239.20
.18	6.27	11.99	9.99	.065	.065	.065	.000	2235.80	9868.37
.008244	400.	370.	320.	2	0	0	.00	341.88	10210.25

*SECNO 37120.000

3301 HV CHANGED MORE THAN HVINS

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

37120.000	18.47	2252.17	2251.96	.00	2256.52	4.34	2.63	.72	2247.20
34909.	66.	20594.	14249.	12.	1120.	1017.	596.	74.	2246.80
.19	5.38	18.39	14.00	.065	.065	.065	.000	2233.70	9963.76
.024449	210.	210.	180.	4	11	0	.00	234.08	10197.84

*SECNO 37200.000

3301 HV CHANGED MORE THAN HVINS

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

37200.000	16.91	2260.01	.00	.00	2262.61	2.60	5.92	.17	2248.90
34909.	11908.	22904.	96.	1152.	1620.	23.	616.	76.	2251.60
.19	10.34	14.14	4.27	.065	.065	.065	.000	2243.10	9830.00
.011739	380.	370.	320.	2	0	0	.00	271.16	10101.16

*SECNO 37270.000

3301 HV CHANGED MORE THAN HVINS

37270.000	17.42	2264.12	.00	.00	2265.58	1.46	2.86	.11	2254.40
34909.	18617.	13262.	3030.	1993.	1219.	580.	640.	79.	2256.60
.20	9.34	10.88	5.22	.065	.065	.065	.000	2246.70	9737.63
.007324	240.	370.	350.	2	0	0	.00	444.40	10182.02

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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  37310.000

3301 HV CHANGED MORE THAN HVINS

37310.000    15.83  2265.43      .00      .00  2267.59     2.16     1.79      .21  2256.10
   34909.     8498.   22913.    3498.     864.    1748.     680.     657.      81.   2259.20
      .21     9.83    13.11     5.14     .065     .060     .065     .000  2249.60  9784.59
  .010416     200.     210.     220.        3        0        0      .00   495.22 10279.81


*SECNO  37370.000

3301 HV CHANGED MORE THAN HVINS

          SUBWATERSHED B7 AND CONFLUENCE WITH COTTONWOOD WASH.
37370.000    14.73  2268.43      .00      .00  2269.02      .59     1.27      .16  2261.20
   13168.       79.   11225.    1864.      51.    1700.     977.     679.      85.   2261.10
      .22     1.55     6.60     1.91     .065     .035     .065     .000  2253.70  9931.64
  .000968     320.     320.     340.        2        0        0      .00   456.59 10388.23


*SECNO  37470.000

3301 HV CHANGED MORE THAN HVINS


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

37470.000    10.90  2268.60      .00      .00  2270.27     1.68      .93      .33  2262.30
   13168.       27.    9672.    3469.      12.     807.    1124.     705.      90.   2266.10
      .24     2.17    11.99     3.09     .065     .035     .065     .000  2257.70  9965.84
  .004514     480.     530.     450.        4        0        0      .00   534.97 10500.80


*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
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
37570.000	12.28	2271.68	2271.68	.00	2273.98	2.31	2.80	.19	2272.70
13168.	0.	10731.	2437.	0.	803.	616.	725.	95.	2269.20
.25	.00	13.37	3.96	.000	.035	.065	.000	2259.40	9965.44
.006493	520.	530.	490.	4	8	0	.00	410.10	10543.22

*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.	10924.	2193.	12.	963.	390.	741.	100.	2277.00
.26	4.06	11.35	5.63	.065	.045	.065	.000	2270.00	9917.58
.015239	500.	480.	490.	5	11	0	.00	475.20	10392.78

*SECNO 37750.000

[illegible]5 DIVIDED FLOW

37750.000	8.05	2284.55	2284.47	.00	2286.31	1.77	7.47	.01	2281.80
13168.	33.	11301.	1833.	10.	1002.	318.	755.	105.	2280.90
.28	3.43	11.28	5.76	.065	.045	.065	.000	2276.50	9952.59
.016198	450.	480.	450.	6	8	0	.00	383.52	10352.99

*SECNO 37800.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

37800.000	5.79	2288.49	2288.49	.00	2290.65	2.17	3.25	.12	2285.50
13168.	377.	12778.	14.	127.	1067.	9.	763.	107.	2287.30
.28	2.96	11.98	1.60	.065	.035	.065	.000	2282.70	9831.84
.009806	280.	260.	280.	2	19	0	.00	321.23	10153.07

*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.    5967.   26465.    1438.     905.    1499.     220.     793.     112.   2289.00
      .29     6.59    17.65     6.53     .065     .040     .065     .000  2283.70  9766.66
  .008261     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    13.07  2305.87  2305.87      .00  2309.43     3.56     4.29      .04  2297.80
   33871.     915.   28638.    4319.     163.    1757.     799.     825.     117.   2298.30
      .30     5.61    16.30     5.40     .065     .040     .065     .000  2292.80  9910.93
  .007986     520.     530.     520.       20       11        0      .00   448.82 10359.75


*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.   14126.   10213.    1095.    1134.    1587.     868.     123.   2301.80
      .32     8.71    12.46     6.44     .065     .060     .065     .000  2294.50  9837.53
  .007014     590.     580.     560.        3        0        0      .00   497.98 10335.51


*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.   26438.    6828.      95.    1782.    1083.     906.     128.   2309.00
      .33     6.36    14.83     6.30     .065     .045     .065     .000  2303.90  9913.85
  .009658     470.     580.     390.        2        0        0      .00   483.11 10396.95


*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.     931.     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.     972.     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.    1003.     142.   2317.80
      .36     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.    1036.     146.   2324.00
      .37    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.    1066.     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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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  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.    1091.     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 9/24/90 12:56:24

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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

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
	35490.000	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	2204.10	16870.00	10.20	7.31	13.34	9.33	1059.29	14720.61	1090.10	221.78	226.80	5.41
*	36490.000	2205.67	24778.00	11.77	9.71	15.62	11.33	2211.96	20724.81	1841.23	226.92	242.81	4.77
*	36490.000	2206.26	28271.00	12.36	10.63	16.55	12.11	2758.51	23327.28	2185.22	228.83	251.37	4.49
*	36490.000	2207.32	34802.00	13.42	12.11	17.98	13.31	3862.51	28079.67	2859.82	232.31	259.12	3.98
	36520.000	2208.23	16870.00	13.73	9.56	15.52	10.56	1660.47	12597.65	2611.88	179.11	229.47	4.13
*	36520.000	2210.14	24778.00	15.64	11.68	17.79	12.67	3004.49	17273.52	4499.99	188.68	237.50	4.47
*	36520.000	2210.94	28271.00	16.44	12.37	18.51	13.42	3653.95	19214.08	5402.98	192.27	235.11	4.68
*	36520.000	2212.32	34802.00	17.82	13.48	19.72	14.65	4919.89	22747.68	7134.43	198.44	231.98	5.00
*	36610.000	2215.57	16870.00	14.97	7.38	10.61	7.91	2334.64	10762.19	3773.17	184.93	69.41	7.34
*	36610.000	2218.21	24778.00	17.61	8.62	12.21	9.39	3864.53	14822.44	6091.03	197.68	72.32	8.07
*	36610.000	2219.20	28271.00	18.60	9.10	12.84	9.96	4573.34	16560.04	7137.63	202.47	73.90	8.25
*	36610.000	2220.90	34802.00	20.30	9.87	13.90	10.88	5950.97	19720.42	9130.61	210.72	76.23	8.58
	36690.000	2218.47	16870.00	14.57	6.76	13.63	8.20	552.06	12892.07	3425.87	185.79	134.36	2.90
	36690.000	2221.10	24778.00	17.20	7.66	14.93	9.85	1036.05	17272.70	6469.26	197.45	123.19	2.89
	36690.000	2222.11	28271.00	18.21	8.00	15.44	10.45	1275.82	19123.37	7871.82	201.93	120.44	2.91
	36690.000	2223.84	34802.00	19.94	8.56	16.30	11.45	1759.52	22457.34	10585.14	209.19	116.51	2.94
	36780.000	2224.69	16966.00	14.79	5.51	11.25	7.08	331.60	14943.21	1691.19	176.00	98.94	6.22
	36780.000	2227.02	24890.00	17.13	6.79	13.15	8.99	640.92	21071.38	3177.71	184.89	105.34	5.93
	36780.000	2227.94	28381.00	18.04	7.46	13.85	9.65	819.63	23678.58	3882.79	188.38	107.15	5.83
	36780.000	2229.51	34909.00	19.61	8.48	15.04	10.75	1178.83	28467.91	5262.26	194.33	110.32	5.67
*	36880.000	2234.52	16966.00	13.02	12.17	17.67	8.53	3136.65	13365.00	464.36	127.40	246.96	9.83
*	36880.000	2237.12	24890.00	15.62	14.28	19.78	9.92	5454.24	18484.26	951.50	137.28	233.63	10.09
*	36880.000	2238.14	28381.00	16.64	15.00	20.56	10.43	6525.00	20652.36	1203.64	141.17	229.06	10.20
*	36880.000	2239.93	34909.00	18.43	16.13	21.82	11.23	8590.78	24588.55	1729.67	147.97	221.25	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	1634.47	13308.86	2022.67	272.66	44.71	7.25
*	36960.000	2244.95	24890.00	18.95	6.87	9.26	5.42	2545.80	17766.89	4577.32	288.65	39.16	7.83
*	36960.000	2246.22	28381.00	20.22	7.01	9.47	5.76	2951.85	19572.63	5856.52	293.88	37.15	8.08
*	36960.000	2248.43	34909.00	22.43	7.23	9.82	6.31	3726.21	22812.66	8370.13	303.01	34.17	8.50
	37010.000	2243.40	16966.00	14.40	6.59	10.06	2.04	4153.51	12777.57	34.92	280.38	90.50	1.63
	37010.000	2246.33	24890.00	17.33	7.12	10.09	3.04	7586.27	16527.41	776.32	434.39	64.81	1.38
	37010.000	2247.54	28381.00	18.54	7.12	9.91	3.62	9053.92	17745.76	1581.32	459.16	55.63	1.32
	37010.000	2249.73	34909.00	20.73	6.99	9.51	4.40	11771.96	19662.44	3474.61	481.94	42.28	1.30
	37080.000	2246.73	16966.00	10.93	5.92	9.34	7.88	402.14	11792.78	4771.08	240.96	84.10	3.33
	37080.000	2248.82	24890.00	13.02	7.02	10.82	9.12	729.74	16693.30	7466.96	273.05	86.42	2.49
	37080.000	2249.66	28381.00	13.86	6.81	11.34	9.50	917.62	18759.45	8703.93	300.10	86.46	2.12
	37080.000	2251.22	34909.00	15.42	6.27	11.99	9.99	1470.80	22344.11	11094.08	341.88	82.44	1.49
*	37120.000	2248.48	16966.00	14.78	2.17	15.02	10.03	1.73	11727.55	5236.71	222.28	263.90	1.75
*	37120.000	2250.21	24890.00	16.51	3.81	16.84	12.06	16.87	15818.39	9054.74	228.30	259.06	1.39
*	37120.000	2250.94	28381.00	17.24	4.34	17.39	12.79	29.69	17500.77	10850.54	230.30	252.14	1.28
*	37120.000	2252.17	34909.00	18.47	5.38	18.39	14.00	65.64	20594.38	14248.97	234.08	244.49	.95
*	37200.000	2255.92	16966.00	12.82	7.68	11.10	2.71	4283.88	12665.95	16.17	245.19	115.32	7.45
*	37200.000	2257.93	24890.00	14.83	8.87	12.62	3.51	7490.31	17354.95	44.74	267.09	116.26	7.72
*	37200.000	2258.68	28381.00	15.58	9.42	13.21	3.80	8988.90	19331.47	60.64	268.56	117.29	7.74
	37200.000	2260.01	34909.00	16.91	10.34	14.14	4.27	11908.49	22904.34	96.17	271.16	117.39	7.83
	37270.000	2259.82	16966.00	13.12	7.67	9.51	2.95	8881.19	7874.76	210.04	343.13	93.74	3.89
	37270.000	2261.87	24890.00	15.17	8.62	10.32	4.12	13360.97	10464.16	1064.87	402.47	84.12	3.94
	37270.000	2262.69	28381.00	15.99	8.92	10.56	4.54	15242.27	11488.72	1650.01	426.15	80.24	4.01
	37270.000	2264.12	34909.00	17.42	9.34	10.88	5.22	18617.15	13262.17	3029.68	444.40	73.24	4.12
	37310.000	2261.65	16966.00	12.05	7.56	10.89	2.86	3738.45	13026.78	200.76	298.08	119.17	1.84
	37310.000	2263.43	24890.00	13.83	8.95	12.32	4.13	5964.48	17939.53	986.00	406.13	117.23	1.56
	37310.000	2264.15	28381.00	14.55	9.35	12.69	4.38	6893.33	19830.92	1656.75	463.88	113.48	1.46
	37310.000	2265.43	34909.00	15.83	9.83	13.11	5.14	8498.31	22912.86	3497.83	495.22	104.16	1.30
	37370.000	2264.43	7105.00	10.73	1.14	6.23	1.26	11.55	6850.31	243.14	272.36	15.45	2.77
	37370.000	2266.45	9819.00	12.75	1.38	6.38	1.65	36.83	8951.38	830.79	354.64	11.70	3.02
	37370.000	2267.20	10979.00	13.50	1.44	6.45	1.76	50.44	9767.92	1160.65	387.27	10.77	3.05
	37370.000	2268.43	13168.00	14.73	1.55	6.60	1.91	78.78	11224.97	1864.25	456.59	9.68	3.00
*	37470.000	2265.61	7105.00	7.91	1.95	12.70	3.12	6.72	6749.26	349.02	181.69	86.10	1.18
*	37470.000	2267.47	9819.00	9.77	2.02	11.62	2.55	16.98	8164.69	1637.33	512.00	50.94	1.02
*	37470.000	2267.80	10979.00	10.10	2.11	11.99	2.77	20.12	8795.18	2163.70	518.78	51.26	.61
*	37470.000	2268.60	13168.00	10.90	2.17	11.99	3.09	27.06	9672.29	3468.66	534.97	45.14	.16
	37570.000	2269.99	7105.00	10.59	.00	10.01	2.69	.00	6369.61	735.39	253.42	47.68	4.38
*	37570.000	2270.36	9819.00	10.96	.00	12.85	3.56	.00	8634.68	1184.32	265.81	73.69	2.89
*	37570.000	2270.82	10979.00	11.42	.00	13.13	3.78	.00	9415.93	1563.07	288.08	71.31	3.01
	37570.000	2271.68	13168.00	12.28	.00	13.37	3.96	.00	10731.19	2436.81	410.10	64.93	3.08

	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	6151.12	939.37	271.98	215.04	5.33
*	37660.000	2276.26	9819.00	6.26	3.69	10.59	6.22	29.95	8393.80	1395.25	307.71	167.90	5.90
*	37660.000	2276.54	10979.00	6.54	3.87	10.98	6.21	36.62	9318.42	1623.95	375.62	166.10	5.73
*	37660.000	2277.10	13168.00	7.10	4.06	11.35	5.63	50.80	10923.75	2193.44	475.20	152.39	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	8567.65	1234.32	347.18	147.40	7.72
	37750.000	2284.23	10979.00	7.73	3.02	10.25	5.25	22.64	9517.39	1438.97	356.21	148.23	7.69
	37750.000	2284.55	13168.00	8.05	3.43	11.28	5.76	33.09	11301.43	1833.48	383.52	161.98	7.45
*	37800.000	2286.83	7105.00	4.13	1.89	10.09	.00	47.29	7057.71	.00	253.84	117.99	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	225.93	10750.38	2.70	298.97	103.84	3.71
*	37800.000	2288.49	13168.00	5.79	2.96	11.98	1.60	376.78	12777.59	13.63	321.23	98.06	3.94
*	37930.000	2294.50	16613.00	10.80	3.74	14.02	4.03	1310.63	14953.97	348.39	311.86	82.14	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	2296.82	27603.00	13.12	5.75	16.60	5.87	4122.75	22481.91	998.34	325.16	83.66	8.88
*	37930.000	2297.98	33871.00	14.28	6.59	17.65	6.53	5967.32	26465.36	1438.32	331.85	82.61	9.49
*	38030.000	2302.06	16613.00	9.26	3.96	13.88	3.75	165.43	15878.67	568.90	275.92	102.58	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	2304.68	27603.00	11.88	5.23	15.55	4.91	605.06	24353.26	2644.67	393.10	84.83	7.87
*	38030.000	2305.87	33871.00	13.07	5.61	16.30	5.40	914.93	28637.53	4318.54	448.82	79.86	7.89
	38140.000	2308.83	16613.00	14.33	6.62	10.55	4.82	4541.58	9164.35	2907.06	390.90	71.80	6.76
	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	11.89	5.87	7807.70	12490.75	7304.55	483.47	70.85	6.60
	38140.000	2312.42	33871.00	17.92	8.71	12.46	6.44	9531.86	14125.85	10213.29	497.98	70.14	6.55
	38250.000	2312.80	16613.00	8.90	5.29	11.75	4.24	283.63	14640.38	1688.98	371.83	97.65	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	22390.94	4725.58	448.74	96.86	3.53
	38250.000	2315.75	33871.00	11.85	6.36	14.83	6.30	605.25	26437.71	6828.04	483.11	96.58	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	10048.02	16486.81	1068.17	362.69	110.73	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

VE 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
	35770.000	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	400.00	.00	.00	2193.90	16870.00	2204.10	.00	2206.65	226.80	13.34	1364.78	1120.20
*	36490.000	400.00	.00	.00	2193.90	24778.00	2205.67	.00	2209.12	242.81	15.62	1717.25	1590.12
*	36490.000	400.00	.00	.00	2193.90	28271.00	2206.26	2206.13	2210.11	251.37	16.55	1849.77	1783.12
*	36490.000	400.00	.00	.00	2193.90	34802.00	2207.32	2207.32	2211.85	259.12	17.98	2095.09	2161.97
	36520.000	200.00	.00	.00	2194.50	16870.00	2208.23	.00	2211.43	229.47	15.52	1232.60	1113.66
*	36520.000	200.00	.00	.00	2194.50	24778.00	2210.14	2210.14	2214.28	237.50	17.79	1583.17	1607.80
*	36520.000	200.00	.00	.00	2194.50	28271.00	2210.94	2210.94	2215.40	235.11	18.51	1736.07	1843.77
*	36520.000	200.00	.00	.00	2194.50	34802.00	2212.32	2212.32	2217.35	231.98	19.72	2005.12	2284.96
*	36610.000	480.00	.00	.00	2200.60	16870.00	2215.57	.00	2217.02	69.41	10.61	1807.58	2024.93
*	36610.000	480.00	.00	.00	2200.60	24778.00	2218.21	.00	2220.11	72.32	12.21	2311.11	2913.70
*	36610.000	480.00	.00	.00	2200.60	28271.00	2219.20	.00	2221.30	73.90	12.84	2509.08	3288.64
	36610.000	480.00	.00	.00	2200.60	34802.00	2220.90	.00	2223.34	76.23	13.90	2860.79	3986.12
	36690.000	380.00	.00	.00	2203.90	16870.00	2218.47	.00	2220.91	134.36	13.63	1445.34	1455.39
	36690.000	380.00	.00	.00	2203.90	24778.00	2221.10	.00	2223.94	123.19	14.93	1949.37	2232.43
	36690.000	380.00	.00	.00	2203.90	28271.00	2222.11	.00	2225.13	120.44	15.44	2151.40	2576.10
	36690.000	380.00	.00	.00	2203.90	34802.00	2223.84	.00	2227.18	116.51	16.30	2507.28	3224.18
	36780.000	480.00	.00	.00	2209.90	16966.00	2224.69	.00	2226.51	98.94	11.25	1627.58	1705.68
	36780.000	480.00	.00	.00	2209.90	24890.00	2227.02	.00	2229.48	105.34	13.15	2050.19	2425.14
	36780.000	480.00	.00	.00	2209.90	28381.00	2227.94	.00	2230.65	107.15	13.85	2221.65	2741.82
	36780.000	480.00	.00	.00	2209.90	34909.00	2229.51	.00	2232.68	110.32	15.04	2521.38	3323.55
*	36880.000	530.00	.00	.00	2221.50	16966.00	2234.52	2234.52	2238.79	246.96	17.67	1068.61	1079.61
*	36880.000	530.00	.00	.00	2221.50	24890.00	2237.12	2237.12	2242.38	233.63	19.78	1412.28	1628.39
*	36880.000	530.00	.00	.00	2221.50	28381.00	2238.14	2238.14	2243.79	229.06	20.56	1555.01	1875.20
*	36880.000	530.00	.00	.00	2221.50	34909.00	2239.93	2239.93	2246.23	221.25	21.82	1813.59	2346.89
*	36960.000	420.00	.00	.00	2226.00	16966.00	2241.77	.00	2242.77	44.71	8.58	2242.97	2537.40
*	36960.000	420.00	.00	.00	2226.00	24890.00	2244.95	.00	2246.06	39.16	9.26	3134.36	3977.60
*	36960.000	420.00	.00	.00	2226.00	28381.00	2246.22	.00	2247.36	37.15	9.47	3503.64	4656.22
*	36960.000	420.00	.00	.00	2226.00	34909.00	2248.43	.00	2249.64	34.17	9.82	4163.56	5972.01
	37010.000	300.00	.00	.00	2229.00	16966.00	2243.40	.00	2244.75	90.50	10.06	1918.13	1783.38
	37010.000	300.00	.00	.00	2229.00	24890.00	2246.33	.00	2247.62	64.81	10.09	2959.72	3091.65
	37010.000	300.00	.00	.00	2229.00	28381.00	2247.54	.00	2248.75	55.63	9.91	3499.03	3805.25
	37010.000	300.00	.00	.00	2229.00	34909.00	2249.73	.00	2250.81	42.28	9.51	4540.64	5368.60

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	37080.000	370.00	.00	.00	2235.80	16966.00	2246.73	.00	2247.96	84.10	9.34	1935.38	1850.01
	37080.000	370.00	.00	.00	2235.80	24890.00	2248.82	.00	2250.45	86.42	10.82	2465.26	2677.41
	37080.000	370.00	.00	.00	2235.80	28381.00	2249.66	.00	2251.43	86.46	11.34	2704.54	3052.27
	37080.000	370.00	.00	.00	2235.80	34909.00	2251.22	.00	2253.17	82.44	11.99	3208.07	3844.78
*	37120.000	210.00	.00	.00	2233.70	16966.00	2248.48	2248.48	2251.38	263.90	15.02	1303.57	1044.38
*	37120.000	210.00	.00	.00	2233.70	24890.00	2250.21	2250.19	2253.83	259.06	16.84	1694.42	1546.41
*	37120.000	210.00	.00	.00	2233.70	28381.00	2250.94	2250.81	2254.80	252.14	17.39	1861.81	1787.33
*	37120.000	210.00	.00	.00	2233.70	34909.00	2252.17	2251.96	2256.52	244.49	18.39	2149.45	2232.57
*	37200.000	370.00	.00	.00	2243.10	16966.00	2255.92	.00	2257.58	115.32	11.10	1704.64	1579.88
*	37200.000	370.00	.00	.00	2243.10	24890.00	2257.93	.00	2260.02	116.26	12.62	2232.05	2308.42
*	37200.000	370.00	.00	.00	2243.10	28381.00	2258.68	.00	2260.97	117.29	13.21	2433.44	2620.60
*	37200.000	370.00	.00	.00	2243.10	34909.00	2260.01	.00	2262.61	117.39	14.14	2793.69	3222.04
	37270.000	370.00	.00	.00	2246.70	16966.00	2259.82	.00	2260.95	93.74	9.51	2057.47	1752.32
	37270.000	370.00	.00	.00	2246.70	24890.00	2261.87	.00	2263.20	84.12	10.32	2823.25	2713.80
	37270.000	370.00	.00	.00	2246.70	28381.00	2262.69	.00	2264.07	80.24	10.56	3160.08	3168.26
	37270.000	370.00	.00	.00	2246.70	34909.00	2264.12	.00	2265.58	73.24	10.88	3792.52	4078.97
	37310.000	210.00	.00	.00	2249.60	16966.00	2261.65	.00	2263.27	119.17	10.89	1761.22	1554.15
	37310.000	210.00	.00	.00	2249.60	24890.00	2263.43	.00	2265.44	117.23	12.32	2361.48	2298.83
	37310.000	210.00	.00	.00	2249.60	28381.00	2264.15	.00	2266.25	113.48	12.69	2677.79	2664.16
	37310.000	210.00	.00	.00	2249.60	34909.00	2265.43	.00	2267.59	104.16	13.11	3292.03	3420.49
	37370.000	320.00	.00	.00	2253.70	7105.00	2264.43	.00	2265.01	15.45	6.23	1301.94	1807.58
	37370.000	320.00	.00	.00	2253.70	9819.00	2266.45	.00	2267.03	11.70	6.38	1932.80	2870.96
	37370.000	320.00	.00	.00	2253.70	10979.00	2267.20	.00	2267.78	10.77	6.45	2210.47	3344.93
	37370.000	320.00	.00	.00	2253.70	13168.00	2268.43	.00	2269.02	9.68	6.60	2728.37	4231.60
*	37470.000	530.00	.00	.00	2257.70	7105.00	2265.61	2265.61	2268.00	86.10	12.70	646.72	765.70
*	37470.000	530.00	.00	.00	2257.70	9819.00	2267.47	2267.47	2269.23	50.94	11.62	1352.93	1375.77
*	37470.000	530.00	.00	.00	2257.70	10979.00	2267.80	2267.80	2269.62	51.26	11.99	1524.43	1533.45
*	37470.000	530.00	.00	.00	2257.70	13168.00	2268.60	.00	2270.27	45.14	11.99	1942.87	1959.88
	37570.000	530.00	.00	.00	2259.40	7105.00	2269.99	.00	2271.40	47.68	10.01	909.81	1028.93
*	37570.000	530.00	.00	.00	2259.40	9819.00	2270.36	2270.36	2272.63	73.69	12.85	1004.57	1143.87
*	37570.000	530.00	.00	.00	2259.40	10979.00	2270.82	2270.82	2273.14	71.31	13.13	1131.20	1300.13
*	37570.000	530.00	.00	.00	2259.40	13168.00	2271.68	2271.68	2273.98	64.93	13.37	1418.87	1634.18
*	37660.000	480.00	.00	.00	2270.00	7105.00	2275.32	2275.32	2276.79	215.04	10.17	755.29	484.52
*	37660.000	480.00	.00	.00	2270.00	9819.00	2276.26	2276.05	2277.84	167.90	10.59	1024.65	757.77
*	37660.000	480.00	.00	.00	2270.00	10979.00	2276.54	2276.49	2278.22	166.10	10.98	1119.64	851.87
*	37660.000	480.00	.00	.00	2270.00	13168.00	2277.10	2277.10	2278.84	152.39	11.35	1364.66	1066.68
	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	147.40	9.82	1123.88	808.76
	37750.000	480.00	.00	.00	2276.50	10979.00	2284.23	.00	2285.70	148.23	10.25	1209.42	901.77
	37750.000	480.00	.00	.00	2276.50	13168.00	2284.55	2284.47	2286.31	161.98	11.28	1329.69	1034.64

	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	117.99	10.09	724.67	654.09
*	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	103.84	11.37	1032.81	1077.41
*	37800.000	260.00	.00	.00	2282.70	13168.00	2288.49	2288.49	2290.65	98.06	11.98	1202.70	1329.74
*	37930.000	690.00	.00	.00	2283.70	16613.00	2294.50	2294.50	2297.27	82.14	14.02	1503.85	1833.05
*	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	2296.82	2296.82	2300.40	83.66	16.60	2242.12	3017.93
*	37930.000	690.00	.00	.00	2283.70	33871.00	2297.98	2297.98	2301.91	82.61	17.65	2625.17	3726.64
*	38030.000	530.00	.00	.00	2292.80	16613.00	2302.06	2302.06	2304.93	102.58	13.88	1337.60	1640.29
*	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	2304.68	2304.68	2308.04	84.83	15.55	2219.75	2996.94
*	38030.000	530.00	.00	.00	2292.80	33871.00	2305.87	2305.87	2309.43	79.86	16.30	2719.41	3790.20
	38140.000	580.00	.00	.00	2294.50	16613.00	2308.83	.00	2310.03	71.80	10.55	2157.68	1960.56
	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	70.85	11.89	3259.02	3279.34
	38140.000	580.00	.00	.00	2294.50	33871.00	2312.42	.00	2313.95	70.14	12.46	3815.76	4044.21
	38250.000	580.00	.00	.00	2303.90	16613.00	2312.80	.00	2314.72	97.65	11.75	1697.87	1681.14
	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	96.86	13.89	2523.35	2804.72
	38250.000	580.00	.00	.00	2303.90	33871.00	2315.75	.00	2318.55	96.58	14.83	2960.90	3446.53
*	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	110.73	17.18	2370.45	2623.11
*	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

AVE 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
	35770.000	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	2204.10	.00	5.41	.00	221.78	400.00
*	36490.000	24778.00	2205.67	1.57	4.77	.00	226.92	400.00
*	36490.000	28271.00	2206.26	.59	4.49	.00	228.83	400.00
*	36490.000	34802.00	2207.32	1.06	3.98	.00	232.31	400.00
	36520.000	16870.00	2208.23	.00	4.13	.00	179.11	200.00
*	36520.000	24778.00	2210.14	1.91	4.47	.00	188.68	200.00
*	36520.000	28271.00	2210.94	.80	4.68	.00	192.27	200.00
*	36520.000	34802.00	2212.32	1.38	5.00	.00	198.44	200.00
*	36610.000	16870.00	2215.57	.00	7.34	.00	184.93	480.00
*	36610.000	24778.00	2218.21	2.63	8.07	.00	197.68	480.00
*	36610.000	28271.00	2219.20	.99	8.25	.00	202.47	480.00
*	36610.000	34802.00	2220.90	1.70	8.58	.00	210.72	480.00
	36690.000	16870.00	2218.47	.00	2.90	.00	185.79	380.00
	36690.000	24778.00	2221.10	2.62	2.89	.00	197.45	380.00
	36690.000	28271.00	2222.11	1.01	2.91	.00	201.93	380.00
	36690.000	34802.00	2223.84	1.73	2.94	.00	209.19	380.00
	36780.000	16966.00	2224.69	.00	6.22	.00	176.00	480.00
	36780.000	24890.00	2227.02	2.34	5.93	.00	184.89	480.00
	36780.000	28381.00	2227.94	.92	5.83	.00	188.38	480.00
	36780.000	34909.00	2229.51	1.57	5.67	.00	194.33	480.00
*	36880.000	16966.00	2234.52	.00	9.83	.00	127.40	530.00
*	36880.000	24890.00	2237.12	2.60	10.09	.00	137.28	530.00
*	36880.000	28381.00	2238.14	1.03	10.20	.00	141.17	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	8.08	.00	293.88	420.00
*	36960.000	34909.00	2248.43	2.21	8.50	.00	303.01	420.00
	37010.000	16966.00	2243.40	.00	1.63	.00	280.38	300.00
	37010.000	24890.00	2246.33	2.93	1.38	.00	434.39	300.00
	37010.000	28381.00	2247.54	1.21	1.32	.00	459.16	300.00
	37010.000	34909.00	2249.73	2.20	1.30	.00	481.94	300.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	37080.000	16966.00	2246.73	.00	3.33	.00	240.96	370.00
	37080.000	24890.00	2248.82	2.09	2.49	.00	273.05	370.00
	37080.000	28381.00	2249.66	.83	2.12	.00	300.10	370.00
	37080.000	34909.00	2251.22	1.57	1.49	.00	341.88	370.00
*	37120.000	16966.00	2248.48	.00	1.75	.00	222.28	210.00
*	37120.000	24890.00	2250.21	1.73	1.39	.00	228.30	210.00
*	37120.000	28381.00	2250.94	.73	1.28	.00	230.30	210.00
*	37120.000	34909.00	2252.17	1.24	.95	.00	234.08	210.00
*	37200.000	16966.00	2255.92	.00	7.45	.00	245.19	370.00
*	37200.000	24890.00	2257.93	2.01	7.72	.00	267.09	370.00
*	37200.000	28381.00	2258.68	.75	7.74	.00	268.56	370.00
*	37200.000	34909.00	2260.01	1.32	7.83	.00	271.16	370.00
	37270.000	16966.00	2259.82	.00	3.89	.00	343.13	370.00
	37270.000	24890.00	2261.87	2.06	3.94	.00	402.47	370.00
	37270.000	28381.00	2262.69	.82	4.01	.00	426.15	370.00
	37270.000	34909.00	2264.12	1.43	4.12	.00	444.40	370.00
	37310.000	16966.00	2261.65	.00	1.84	.00	298.08	210.00
	37310.000	24890.00	2263.43	1.78	1.56	.00	406.13	210.00
	37310.000	28381.00	2264.15	.72	1.46	.00	463.88	210.00
	37310.000	34909.00	2265.43	1.28	1.30	.00	495.22	210.00
	37370.000	7105.00	2264.43	.00	2.77	.00	272.36	320.00
	37370.000	9819.00	2266.45	2.02	3.02	.00	354.64	320.00
	37370.000	10979.00	2267.20	.75	3.05	.00	387.27	320.00
	37370.000	13168.00	2268.43	1.23	3.00	.00	456.59	320.00
*	37470.000	7105.00	2265.61	.00	1.18	.00	181.69	530.00
*	37470.000	9819.00	2267.47	1.86	1.02	.00	512.00	530.00
*	37470.000	10979.00	2267.80	.33	.61	.00	518.78	530.00
*	37470.000	13168.00	2268.60	.79	.16	.00	534.97	530.00
	37570.000	7105.00	2269.99	.00	4.38	.00	253.42	530.00
*	37570.000	9819.00	2270.36	.37	2.89	.00	265.81	530.00
*	37570.000	10979.00	2270.82	.46	3.01	.00	288.08	530.00
*	37570.000	13168.00	2271.68	.86	3.08	.00	410.10	530.00
*	37660.000	7105.00	2275.32	.00	5.33	.00	271.98	480.00
*	37660.000	9819.00	2276.26	.94	5.90	.00	307.71	480.00
*	37660.000	10979.00	2276.54	.28	5.73	.00	375.62	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	347.18	480.00
	37750.000	10979.00	2284.23	.24	7.69	.00	356.21	480.00
	37750.000	13168.00	2284.55	.32	7.45	.00	383.52	480.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	37800.000	7105.00	2286.83	.00	3.33	.00	253.84	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	298.97	260.00
*	37800.000	13168.00	2288.49	.55	3.94	.00	321.23	260.00
*	37930.000	16613.00	2294.50	.00	7.67	.00	311.86	690.00
*	37930.000	24246.00	2296.17	1.68	8.55	.00	321.48	690.00
*	37930.000	27603.00	2296.82	.64	8.88	.00	325.16	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	275.92	530.00
*	38030.000	24246.00	2303.98	1.92	7.81	.00	363.47	530.00
*	38030.000	27603.00	2304.68	.70	7.87	.00	393.10	530.00
*	38030.000	33871.00	2305.87	1.19	7.89	.00	448.82	530.00
	38140.000	16613.00	2308.83	.00	6.76	.00	390.90	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	483.47	580.00
	38140.000	33871.00	2312.42	1.14	6.55	.00	497.98	580.00
	38250.000	16613.00	2312.80	.00	3.97	.00	371.83	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	448.74	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
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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
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CAUTION SECNO=  35960.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  35960.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  35960.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  36180.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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
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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
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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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WARNING SECNO=  36490.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=  36490.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=  36490.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36490.000  PROFILE=  4  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
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WARNING SECNO=  36610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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CAUTION SECNO=  36880.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  36880.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=  36880.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  36880.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
ION SECNO=  36880.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
ION SECNO=  36880.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION 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
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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
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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
CAUTION SECNO=  37470.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=  37470.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  37470.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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WARNING SECNO=  37660.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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CAUTION SECNO=  37800.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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
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CAUTION SECNO=  38320.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=  38500.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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
WARNING SECNO=  38710.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 ING 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
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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
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*******************************************************
*  WATER SURFACE PROFILES                             *
*  VERSION OF SEPTEMBER 1988                          *
*  ERROR: 01,02,03                                    *
*  UPDATED:  SEPTEMBER 1989                           *
*  RUN DATE     9/27/90    TIME     7:55:44           *
*******************************************************
```

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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
****************************************
```

MCX
9-18 10

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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
```

END OF BANNER

THIS RUN EXECUTED 9/27/90 7:55:44

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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


J4  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     28338     28338
NC    .055      .055      .045        .1        .3
ET                        9.1                                                        9768.16    10089.6
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         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  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
```

G	2147.2	10031.4	2178.6	10068.4	2182.6	10076.3				
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
	2161.8	10199.7	2162.2	10227.1	2167.2	10260.7	2181.3	10295.1		
NC	.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
G	2169.5	10127.2	2178.7	10144.0	2194.1	10173.6	2203.9	10198.7	2211.5	10228.7
G	2222.2	10257.0	2228.1	10276.0						

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
[illegible]	36490	18	9971.6	10114.1	420	330	400			
[illegible]	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	210	200			
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						

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	300	300			
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
[illegible]	245.9	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	320	370			
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			
GR	[illegible]71.2	9707.2	2267.6	9728.4	2261.2	9745.4	2252.3	9764.9	2250.0	9793.1
GR	[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
GR	2305.8	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		
ET			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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T1      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 9/27/90 7:56:41

****
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
	[illegible]90.000	28338.00	14.25	15.26	2139.10	530.00	2154.36	3441.40	659.13	9380.71	9932.10	10031.40	10039.84
*	[illegible]590.000	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
*	[illegible]10.000	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	16.55	12.36	2193.90	400.00	2206.26	1783.12	228.83	9916.67	9971.60	10114.10	10145.50
*	36490.000	28271.00	17.47	12.62	2193.90	400.00	2206.52	1718.12	182.76	9945.24	9971.60	10114.10	10128.00
*	36520.000	28271.00	18.51	16.44	2194.50	200.00	2210.94	1843.77	192.27	9879.30	9928.00	10011.70	10071.58
	36520.000	28271.00	19.24	16.79	2194.50	200.00	2211.29	1806.61	146.88	9900.02	9928.00	10011.70	10046.90
*	36610.000	28271.00	12.84	18.60	2200.60	480.00	2219.20	3288.64	202.47	9898.65	9955.20	10031.10	10101.13
*	36610.000	28271.00	12.76	19.37	2200.60	480.00	2219.97	3410.01	162.64	9923.26	9955.20	10031.10	10085.90
	36690.000	28271.00	15.44	18.21	2203.90	380.00	2222.11	2576.10	201.93	9932.10	9957.00	10037.30	10134.02
	36690.000	28271.00	16.13	18.61	2203.90	380.00	2222.51	2509.27	153.00	9954.00	9957.00	10037.30	10107.00
	36780.000	28381.00	13.85	18.04	2209.90	480.00	2227.94	2741.82	188.38	9958.78	9976.30	10093.20	10147.15
	36780.000	28381.00	13.93	18.79	2209.90	480.00	2228.69	2818.65	149.28	9976.02	9976.30	10093.20	10125.30
*	36880.000	28381.00	20.56	16.64	2221.50	530.00	2238.14	1875.20	141.17	9902.11	9954.80	10023.30	10043.28
*	36880.000	28381.00	21.54	16.70	2221.50	530.00	2238.20	1794.65	108.94	9917.06	9954.80	10023.30	10026.00
*	36960.000	28381.00	9.47	20.22	2226.00	420.00	2246.22	4656.22	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	9.91	18.54	2229.00	300.00	2247.54	3805.25	459.16	9758.24	9935.40	10061.10	10217.41
	37010.000	28381.00	10.34	19.22	2229.00	300.00	2248.22	3762.93	239.75	9829.95	9935.40	10061.10	10069.70
	[illegible]080.000	28381.00	11.34	13.86	2235.80	370.00	2249.66	3052.27	300.10	9901.20	9947.80	10081.60	10201.30
	37080.000	28381.00	11.21	14.63	2235.80	370.00	2250.43	3064.46	203.40	9947.80	9947.80	10081.60	10151.20
*	37120.000	28381.00	17.39	17.24	2233.70	210.00	2250.94	1787.33	230.30	9965.34	9969.00	10060.60	10195.65
*	37120.000	28381.00	17.53	17.98	2233.70	210.00	2251.68	1797.13	194.90	9969.00	9969.00	10060.60	10163.90
*	37200.000	28381.00	13.21	15.58	2243.10	370.00	2258.68	2620.60	268.56	9831.75	9978.70	10095.80	10100.31
*	37200.000	28381.00	13.04	16.31	2243.10	370.00	2259.41	2644.07	197.07	9898.73	9978.70	10095.80	10095.80
	37270.000	28381.00	10.56	15.99	2246.70	370.00	2262.69	3168.26	426.15	9741.46	9937.00	10027.70	10167.60
	37270.000	28381.00	11.09	16.65	2246.70	370.00	2263.35	3126.19	265.35	9766.35	9937.00	10027.70	10031.70
	37310.000	28381.00	12.69	14.55	2249.60	210.00	2264.15	2664.16	463.88	9786.74	9885.70	10031.90	10250.62
	37310.000	28381.00	13.09	15.18	2249.60	210.00	2264.78	2684.06	237.36	9807.04	9885.70	10031.90	10044.40
	37370.000	10979.00	6.45	13.50	2253.70	320.00	2267.20	3344.93	387.27	9934.04	9945.70	10095.80	10321.31
	37370.000	10979.00	6.63	14.30	2253.70	320.00	2268.00	3323.08	160.30	9945.70	9945.70	10095.80	10106.00
*	37470.000	10979.00	11.99	10.10	2257.70	530.00	2267.80	1533.45	518.78	9966.34	9969.80	10062.00	10485.12
*	37470.000	10979.00	12.82	10.51	2257.70	530.00	2268.21	1423.40	322.70	9969.80	9969.80	10062.00	10292.50
*	37570.000	10979.00	13.13	11.42	2259.40	530.00	2270.82	1300.13	288.08	9966.73	9963.90	10065.50	10517.14
	37570.000	10979.00	13.81	11.88	2259.40	530.00	2271.28	1288.61	143.00	9968.00	9963.90	10065.50	10111.00
*	[illegible]60.000	10979.00	10.98	6.54	2270.00	480.00	2276.54	851.87	375.62	9918.34	9923.40	10128.40	10391.86
*	[illegible]0.000	10979.00	11.31	7.13	2270.00	480.00	2277.13	885.17	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	901.77	356.21	9953.42	9959.60	10186.40	10348.61
	37750.000	10979.00	10.77	8.13	2276.50	480.00	2284.63	896.28	226.80	9959.60	9959.60	10186.40	10186.40
*	37800.000	10979.00	11.37	5.24	2282.70	260.00	2287.94	1077.41	298.97	9847.47	9917.10	10138.70	10146.44
*	37800.000	10979.00	11.76	5.19	2282.70	260.00	2287.89	1024.49	221.60	9917.10	9917.10	10138.70	10138.70
*	37930.000	27603.00	16.60	13.12	2283.70	690.00	2296.82	3017.93	325.16	9768.73	9928.90	10053.20	10093.89
*	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	11.88	2292.80	530.00	2304.68	2996.94	393.10	9918.25	9954.50	10115.40	10311.35
*	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	11.89	16.78	2294.50	580.00	2311.28	3279.34	483.47	9839.02	9953.80	10027.70	10322.48
	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	2804.72	448.74	9915.12	9929.90	10111.70	10363.86
	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	2623.11	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

VE 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
	36060.000	28319.00	2177.33	.00	3.34	.00	9957.60	10048.30	.00	35.91	2179.69	.00
	36060.000	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	2206.26	.00	4.49	.00	9971.60	10114.10	.00	251.37	2210.11	.00
*	36490.000	28271.00	2206.52	.26	3.80	9945.24	9971.60	10114.10	10128.00	270.75	2210.97	.86
*	36520.000	28271.00	2210.94	.00	4.68	.00	9928.00	10011.70	.00	235.11	2215.40	.00
	36520.000	28271.00	2211.29	.35	4.77	9900.02	9928.00	10011.70	10046.90	244.88	2216.31	.91
*	36610.000	28271.00	2219.20	.00	8.25	.00	9955.20	10031.10	.00	73.90	2221.30	.00
*	36610.000	28271.00	2219.97	.77	8.68	9923.26	9955.20	10031.10	10085.90	68.73	2222.10	.81
	36690.000	28271.00	2222.11	.00	2.91	.00	9957.00	10037.30	.00	120.44	2225.13	.00
	36690.000	28271.00	2222.51	.41	2.54	9954.00	9957.00	10037.30	10107.00	126.94	2226.00	.87
	36780.000	28381.00	2227.94	.00	5.83	.00	9976.30	10093.20	.00	107.15	2230.65	.00
	36780.000	28381.00	2228.69	.75	6.18	9976.02	9976.30	10093.20	10125.30	101.39	2231.53	.88

	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	229.06	2243.79	.00
*	36880.000	28381.00	2238.20	.06	9.51	9917.06	9954.80	10023.30	10026.00	250.09	2244.69	.90
*	36960.000	28381.00	2246.22	.00	8.08	.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	2247.54	.00	1.32	.00	9935.40	10061.10	.00	55.63	2248.75	.00
	37010.000	28381.00	2248.22	.68	1.16	9829.95	9935.40	10061.10	10069.70	56.89	2249.66	.91
	37080.000	28381.00	2249.66	.00	2.12	.00	9947.80	10081.60	.00	86.46	2251.43	.00
	37080.000	28381.00	2250.43	.77	2.21	9947.80	9947.80	10081.60	10151.20	85.77	2252.34	.91
*	37120.000	28381.00	2250.94	.00	1.28	.00	9969.00	10060.60	.00	252.14	2254.80	.00
*	37120.000	28381.00	2251.68	.74	1.25	9969.00	9969.00	10060.60	10163.90	249.40	2255.70	.90
*	37200.000	28381.00	2258.68	.00	7.74	.00	9978.70	10095.80	.00	117.29	2260.97	.00
*	37200.000	28381.00	2259.41	.73	7.73	9898.73	9978.70	10095.80	10095.80	115.21	2261.80	.83
	37270.000	28381.00	2262.69	.00	4.01	.00	9937.00	10027.70	.00	80.24	2264.07	.00
	37270.000	28381.00	2263.35	.66	3.94	9766.35	9937.00	10027.70	10031.70	82.42	2264.93	.86
	37310.000	28381.00	2264.15	.00	1.46	.00	9885.70	10031.90	.00	113.48	2266.25	.00
	37310.000	28381.00	2264.78	.63	1.43	9807.04	9885.70	10031.90	10044.40	111.81	2267.13	.89
	37370.000	10979.00	2267.20	.00	3.05	.00	9945.70	10095.80	.00	10.77	2267.78	.00
	37370.000	10979.00	2268.00	.80	3.22	9945.70	9945.70	10095.80	10106.00	10.92	2268.67	.90
*	37470.000	10979.00	2267.80	.00	.61	.00	9969.80	10062.00	.00	51.26	2269.62	.00
*	37470.000	10979.00	2268.21	.40	.21	9969.80	9969.80	10062.00	10292.50	59.49	2270.51	.90
*	37570.000	10979.00	2270.82	.00	3.01	.00	9963.90	10065.50	.00	71.31	2273.14	.00
	37570.000	10979.00	2271.28	.47	3.08	9968.00	9963.90	10065.50	10111.00	72.59	2274.13	.99
*	37660.000	10979.00	2276.54	.00	5.73	.00	9923.40	10128.40	.00	166.10	2278.22	.00
*	37660.000	10979.00	2277.13	.59	5.85	9923.40	9923.40	10128.40	10128.40	153.84	2279.12	.90
	37750.000	10979.00	2284.23	.00	7.69	.00	9959.60	10186.40	.00	148.23	2285.70	.00
	37750.000	10979.00	2284.63	.40	7.49	9959.60	9959.60	10186.40	10186.40	150.05	2286.43	.73
*	37800.000	10979.00	2287.94	.00	3.71	.00	9917.10	10138.70	.00	103.84	2289.91	.00
*	37800.000	10979.00	2287.89	-.05	3.26	9917.10	9917.10	10138.70	10138.70	114.84	2290.03	.13
*	37930.000	27603.00	2296.82	.00	8.88	.00	9928.90	10053.20	.00	83.66	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	2304.68	.00	7.87	.00	9954.50	10115.40	.00	84.83	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	70.85	2312.71	.00
	38140.000	27603.00	2312.25	.97	7.86	9858.07	9953.80	10027.70	10185.60	58.50	2313.61	.90

	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	96.86	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	110.73	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=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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

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

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

CAUTION SECNO=  38790.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION 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
CAUTION 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	WATER SURFACE ELEVATION 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.	1710.	16.5	2206.5	2206.3	.2
36520.000	147.	1618.	17.5	2211.3	2210.9	.4
36610.000	163.	2470.	11.4	2220.0	2219.2	.8
36690.000	153.	1969.	14.4	2222.5	2222.1	.4
[illegible].000	149.	2137.	13.3	2228.7	2227.9	.8
[illegible]80.000	109.	1422.	20.0	2238.2	2238.1	.1
36960.000	227.	3348.	8.5	2247.1	2246.2	.9
37010.000	240.	3031.	9.4	2248.2	2247.5	.7
37080.000	203.	2561.	11.1	2250.4	2249.7	.7
37120.000	195.	1820.	15.6	2251.7	2250.9	.8
37200.000	197.	2316.	12.3	2259.4	2258.7	.7
37270.000	265.	2861.	9.9	2263.4	2262.7	.7
37310.000	237.	2389.	11.9	2264.8	2264.1	.7
37370.000	160.	1704.	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     9/24/90    TIME    13:17:41         *
*****************************************************
```

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

CW.OUT
9-18

```
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 9/24/90 13:17:41

```
**************************************************
  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


    VARIABLE 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

        ****** STREAM REACH DISTANCES REVISED 9-18-90
        *******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
GR	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	390	400	380			
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

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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     370     350     360
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

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
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
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NC	.06	.06	.035							
X1	1230	14	9980.6	10011.2	540	570	540			
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		
NC	.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       370       320       320
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       320       300       310
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       490       430       460
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
    2634.8   10038.3    2641.8   10056.3    2647.8   10069.7    2648.8   10078.7    2648.0   10085.4
```

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						
	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	390	340	360			
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
	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
NC	.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	420	380	400			
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
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						

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			
[illegible]	3088.0	9919.5	3076.4	9947.5	3061.6	9972.3	3057.3	9982.8	3053.6	9999.5
[illegible]	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	620	580	600			
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			
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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 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 1

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
        ****** STREAM REACH DISTANCES REVISED 9-18-90
        *******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

3715 20 TRIALS ATTEMPTED WSEL,CWSEL
3716 PROBABLE MINIMUM SPECIFIC ENERGY
3720 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
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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
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
.005844	540.	530.	530.	5	11	0	.00	248.04	10020.53

*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
3720 CRITICAL DEPTH ASSUMED

510.000	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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

570.000	8.70	2349.00	2349.00	.00	2351.36	2.36	4.83	.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	390.	380.	400.	12	8	0	.00	109.30	10091.40

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 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.	52.	15.	2354.90
.09	3.71	12.40	3.28	.060	.035	.060	.000	2351.20	9952.68
.009359	460.	480.	490.	3	15	0	.00	138.86	10091.54

*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.	54.	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
3720 CRITICAL DEPTH ASSUMED

790.000	7.18	2374.28	2374.28	.00	2375.67	1.39	4.90	.14	2374.30
5952.	0.	4433.	1519.	0.	411.	430.	62.	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	3.62	.03	2382.90
5952.	0.	2735.	3217.	0.	209.	554.	68.	20.	2379.20
.12	.00	13.07	5.81	.000	.035	.065	.000	2375.80	9974.74
.012482	370.	360.	350.	20	12	0	.00	238.69	10213.42

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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 940.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  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
 CRITICAL DEPTH ASSUMED
 0.000     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


*SECNO 1140.000
3685 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.      90.      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     5.34      .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     540.      540.     570.       20       11        0      .00    78.71 10053.24
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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 1340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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.      103.       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.      107.       29.   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


*SECNO 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.       31.   2469.70
      .21     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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 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 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
3720 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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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
 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
      .27     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      4.50       .03  2579.80
    5127.       75.     4731.      322.      16.      343.       50.      149.      38.   2580.10
      .27     4.54     13.81      6.41     .065      .045      .065      .000  2579.10  9959.19
  .015350     370.      320.      320.       20        15         0       .00    77.29 10036.47


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     5.82  2597.82  2597.82      .00  2599.72      1.90      5.03       .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     320.      310.      300.       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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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 2400.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2400.000     6.25  2634.15  2634.15      .00  2636.50     2.35     7.96      .02  2629.70
    5127.    1420.     3488.     219.     164.     253.      37.     163.      41.   2629.10
      .30     8.66    13.77     5.88     .060     .045     .060     .000  2627.90  9936.33
  .017629     490.      460.     430.       20        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.     167.      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


NO 2580.000
7185 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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 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 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.      46.   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
  .023173     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     8.84      .05  2756.60
     746.       0.     704.      42.       0.      90.      17.     181.      47.   2748.50
      .40      .00     7.82     2.53     .000     .050     .070     .000  2745.50  9990.69
  .026119     390.     360.     340.       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
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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 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.     184.      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


 NO 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.     185.      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.     186.      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
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     4.12  2895.12  2895.12      .00  2896.46     1.34     9.16      .03  2894.50
    746.       3.     743.       0.       2.      80.       0.     187.      50.   2896.80
     .48     1.52     9.31      .00     .065     .045     .000     .000  2891.00  9984.45
  .021386     420.     400.     380.       20        8        0      .00    33.80 10018.25
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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 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.	188.	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

0 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.	189.	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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 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
 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.       52.   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
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 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.      194.       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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 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
 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.      54.   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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4260.000     4.49  3198.59  3198.59      .00  3199.58      .99    15.65      .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     620.     600.     580.       11       12        0      .00    48.60 10010.31


 O 4340.000
 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
     .65      .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.      55.   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
3720 CRITICAL DEPTH ASSUMED
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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
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

T1 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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   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


*PROF 2

CCHV=     .100 CEHV=     .300
*SECNO  37800.000
3720 CRITICAL DEPTH ASSUMED
        ****** STREAM REACH DISTANCES REVISED 9-18-90
        *******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
3693 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
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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
  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


 NO 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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  570.000    10.36  2350.66  2350.66      .00  2353.73     3.07     4.57      .11  2345.00
    9253.      87.     5858.    3308.      16.     371.     314.      64.      15.   2345.30
      .07     5.42     15.78    10.53     .050     .040     .050     .000  2340.30  9980.44
  .013176     390.      380.     400.       2       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.     72.       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.     75.       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.     86.       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     3.72      .13  2382.90
    9253.       0.    3918.    5335.       0.     253.     748.     95.       22.   2379.20
      .11      .03    15.48     7.13     .065     .035     .065     .000  2375.80  9973.13
  .014313     370.     360.     350.       20       15        0      .00   250.54 10223.67
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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 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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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
 1230.000    13.17  2431.27  2431.27      .00  2435.45     4.18     4.95      .25  2423.20
    9202.      161.     6311.     2730.      34.      333.     312.     137.      31.   2420.90
      .15     4.70    18.94     8.76     .060     .035     .060     .000  2418.10  9972.10
  .008616     540.      540.      570.      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.     146.      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


O 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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 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 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
 1740.000     9.65  2499.75  2499.75      .00  2502.82     3.06     5.94      .14  2495.20
    9202.    2216.    6985.       0.     313.     447.       0.     181.      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
      .22     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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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

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.	40.	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

0.000	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	4.21	.04	2579.80
7963.	156.	7138.	669.	30.	451.	87.	210.	42.	2580.10
.25	5.27	15.84	7.67	.065	.045	.065	.000	2579.10	9957.24
.014001	370.	320.	320.	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	4.68	.11	2595.40
7963.	195.	5022.	2746.	31.	351.	314.	215.	43.	2593.40
.25	6.28	14.31	8.75	.060	.045	.060	.000	2592.00	9963.76
6518	320.	310.	300.	20	15	0	.00	145.76	10109.52

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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 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      7.23       .04   2629.70
    7963.     2318.     5159.      486.      234.      330.       66.      229.       46.   2629.10
      .27      9.89     15.65      7.35      .060      .045      .060      .000   2627.90   9932.34
  .016023      490.      460.      430.        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.      235.       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.      244.       49.   2666.00
      .29      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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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	3.12	2698.52	2698.52	.00	2699.45	.93	14.60	.16	2695.40
1154.	76.	1078.	0.	16.	136.	0.	251.	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.	51.	2716.60
.33	1.22	8.58	4.32	.065	.045	.065	.000	2714.50	9980.00
1513	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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 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


 2910.000     4.97  2750.47  2750.47      .00  2751.49     1.02     7.48      .07  2756.60
    1154.       0.     1016.     138.       0.     119.      39.     255.      52.   2748.50
      .36      .00     8.55     3.51     .000     .050     .070     .000  2745.50  9990.07
  .022158     390.     360.     340.       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.      53.   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
    1154.       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.     259.      54.   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.     260.      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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 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 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.     262.      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     6.39      .01  2894.50
    1154.      87.    1067.       0.      32.     115.       0.     263.      56.   2896.80
      .44     2.76     9.27      .00     .065     .045     .000     .000  2891.00  9956.06
  .014804     420.     400.     380.       20        8        0      .00    64.97 10021.02


 0 3480.000
3685 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.     265.      57.   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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 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


 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.     267.      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.      58.  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
3720 CRITICAL DEPTH ASSUMED
 [illegible].000     6.37  3016.37  3016.37      .00  3018.13     1.77     8.24      .14  3013.80
    1154.      66.    1079.       9.      15.      98.       3.     270.      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.      59.  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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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
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.	273.	60.	3089.10
.53	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.	274.	60.	3114.70
.54	.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

*SECNO 4170.000
3685 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.	276.	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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4260.000	5.16	3199.26	3199.26	.00	3200.57	1.31	15.66	.07	3196.70
1154.	232.	875.	48.	38.	87.	9.	277.	61.	3194.40
.57	6.05	10.01	5.45	.050	.050	.050	.000	3194.10	9959.68
.020492	620.	600.	580.	12	19	0	.00	51.13	10010.81

*SECNO 4340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL

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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


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
      .59      .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


*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.     280.      62.   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


*SECNO 4520.000
 20 TRIALS ATTEMPTED WSEL,CWSEL
 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.     281.      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
```

T1 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							

```
 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  37800.000
3720 CRITICAL DEPTH ASSUMED
        ****** STREAM REACH DISTANCES REVISED 9-18-90
        *******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
3693 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
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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
  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


*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     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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  570.000     11.12   2351.42   2351.42       .00   2354.80      3.38      4.46       .12   2345.00
   10956.      120.     6797.     4040.       21.      410.      360.       73.       15.    2345.30
      .07      5.80     16.59     11.22      .050      .040      .050      .000   2340.30   9979.68
  .012775      390.      380.      400.         8        11         0       .00    118.86  10098.54
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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 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.     82.      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.     85.      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.     98.      21.   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     3.83      .13  2382.90
   10956.       0.     4507.    6449.      0.     276.     855.    109.      23.   2379.20
      .11      .76     16.31     7.54    .065     .035    .065    .000  2375.80  9972.86
 .014127     370.      360.     350.      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.	119.	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.	145.	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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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
 1230.000    14.31  2432.41  2432.41      .00  2436.92     4.51     4.75      .28  2423.20
   10925.     225.     7306.     3394.     45.     368.     366.     156.      32.   2420.90
      .15     5.04     19.85     9.27    .060     .035     .060     .000  2418.10  9970.90
  .008285     540.     540.     570.      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


NO 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.      34.   2452.40
      .17     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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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	13.32	2489.32	2489.32	.00	2494.24	4.92	4.68	.25	2478.60
10925.	880.	8983.	1062.	126.	465.	135.	196.	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

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.	40.	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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 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

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
 2070.000    12.07  2577.27  2577.27      .00  2581.59     4.32     7.60      .42  2565.80
    9424.     273.    7204.    1947.      48.     390.     218.     235.      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     4.10      .04  2579.80
    9424.     205.    8344.     874.      37.     500.     108.     240.      44.   2580.10
      .24     5.57    16.68     8.11     .065     .045     .065     .000  2579.10  9956.35
  .013514     370.     320.     320.       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     4.54      .13  2595.40
    9424.     262.    5802.    3360.      39.     385.     362.     245.      45.   2593.40
      .24     6.74    15.05     9.28     .060     .045     .060     .000  2592.00  9962.57
    16126     320.     310.     300.       20       15        0      .00   149.77 10112.33
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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 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.      46.   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     6.98      .04  2629.70
    9424.     2785.     5988.      651.     268.      364.      81.      261.      47.   2629.10
      .26    10.40     16.47     8.00     .060      .045     .060     .000  2627.90  9930.57
  .015582     490.      460.      430.       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.      268.      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.      278.      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
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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 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.     286.      52.   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.      53.   2716.60
      .32     1.54      9.07     4.71     .065     .045     .065     .000  2714.50  9979.67
   21386      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.     289.      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
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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


2910.000     5.24  2750.74  2750.74      .00  2751.85     1.11     7.25      .07  2756.60
   1366.       0.    1170.     196.       0.     130.      50.     290.      54.   2748.50
     .34      .00     9.00     3.91     .000     .050     .070     .000  2745.50  9989.83
 .022061     390.     360.     340.       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.     292.      55.   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
[illegible].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.     295.      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.     296.      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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 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 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.      298.       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      6.27       .01  2894.50
    1366.     145.     1221.       0.      44.      126.       0.      300.       58.   2896.80
      .42     3.33      9.67      .00     .065      .045     .000      .000  2891.00  9955.07
  .014771     420.      400.     380.       20         8        0       .00    66.78 10021.85


 NO 3480.000
3685 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.      301.       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.      302.       59.   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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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
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.	304.	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.	306.	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.	307.	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.	309.	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.     311.      62.   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.     312.      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.     314.      63.   3159.00
      .53     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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4260.000     5.48  3199.58  3199.58     .00  3201.02     1.45    15.42      .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     620.     600.     580.      12       19        0      .00    52.34 10011.04
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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 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.	317.	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

NO 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.	320.	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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     FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.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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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  37800.000
3720 CRITICAL DEPTH ASSUMED
        ****** STREAM REACH DISTANCES REVISED 9-18-90
        *******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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 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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 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

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
  450.000    10.52  2337.22  2337.22      .00  2340.59     3.37     4.03      .35  2330.50
   14038.    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

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
  570.000    12.37  2352.67  2352.67      .00  2356.57     3.90     4.27      .14  2345.00
   14038.     188.    8465.    5385.      29.     473.     439.      88.      16.   2345.30
      .07     6.40    17.89    12.26     .050     .040     .050     .000  2340.30  9978.43
  .012267     390.     380.     400.        5       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.     100.      18.   2354.90
      .08     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

NO 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.     103.      19.   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.     119.      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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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 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	3.88	.17	2382.90
14038.	1.	5549.	8489.	1.	313.	1030.	131.	25.	2379.20
.10	1.32	17.70	8.24	.065	.035	.065	.000	2375.80	9972.43
.014060	370.	360.	350.	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.	27.	2397.50
.11	6.21	15.27	.00	.065	.035	.000	.000	2382.40	9657.52
10318	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.	30.	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
  [illegible]0.000    13.23  2419.23  2419.23      .00  2423.25     4.02     4.61      .22  2409.60
   14016.     890.   11338.    1788.     144.     644.     257.     175.      32.   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     4.65      .35  2423.20
   14016.     379.    9046.    4591.      63.     420.     453.     188.      34.   2420.90
      .14     6.04    21.52    10.14     .060     .035     .060     .000  2418.10  9969.17
  .008160     540.     540.     570.       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
[illegible] CRITICAL DEPTH ASSUMED
  [illegible]40.000    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.     208.      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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 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
 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.     226.      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


 NO 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
      .20     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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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 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
3720 CRITICAL DEPTH ASSUMED

2070.000	13.75	2578.95	2578.95	.00	2583.88	4.94	7.39	.47	2565.80
12075.	388.	8918.	2769.	63.	447.	281.	284.	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	3.95	.04	2579.80
12075.	306.	10485.	1284.	51.	583.	147.	290.	46.	2580.10
.22	6.04	18.00	8.74	.065	.045	.065	.000	2579.10	9954.87
.012841	370.	320.	320.	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

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
2190.000	8.77	2600.77	2600.77	.00	2603.84	3.06	4.36	.14	2595.40
12075.	394.	7178.	4503.	53.	442.	444.	296.	47.	2593.40
.23	7.43	16.26	10.15	.060	.045	.060	.000	2592.00	9960.63
.015690	320.	310.	300.	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

*SECNO 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	6.49	.05	2629.70
12075.	3678.	7422.	975.	327.	421.	111.	316.	50.	2629.10
.25	11.23	17.61	8.82	.060	.045	.060	.000	2627.90	9928.19
.014637	490.	460.	430.	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.	324.	51.	2645.80
.25	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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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 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.      336.       53.   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
    1747.      116.    1631.       0.      22.     181.       0.      345.       55.   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.      347.       56.   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.      349.       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      6.90       .06  2756.60
    1747.       0.     1438.      309.       0.      147.      69.      350.      57.   2748.50
      .32      .00      9.78      4.49     .000      .050     .070      .000  2745.50  9989.47
  .022417     390.      360.      340.       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.      353.      58.   2778.80
      .34      .00      9.33      5.52     .000      .050     .060      .000  2777.90  9970.98
  .027431     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.      356.      59.   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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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 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.	360.	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

NO 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	6.30	.00	2894.50
1747.	250.	1497.	0.	61.	142.	0.	362.	62.	2896.80
.40	4.10	10.53	.03	.065	.045	.065	.000	2891.00	9953.69
.015188	420.	400.	380.	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.	364.	62.	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

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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


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.     365.      62.   2936.50
     .41     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.     367.      63.   2956.40
     .42     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


 NO 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.     369.      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.     371.      64.   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
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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
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.	374.	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.	376.	65.	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

*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	8.97	3118.57	3118.57	.00	3120.48	1.91	6.79	.16	3119.60
1747.	0.	1490.	257.	0.	126.	49.	377.	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.	379.	66.	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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4260.000     6.00  3200.10  3200.10      .00  3201.76      1.66     15.46       .08  3196.70
    1747.      454.     1220.       73.      60.      107.      12.      381.      67.   3194.40
      .52     7.61     11.37     6.00     .050      .050     .050      .000  3194.10  9957.09
  .020073      620.      600.      580.       14        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.      383.      68.   3227.60
      .53      .00     11.08     5.32     .000      .045     .050      .000  3223.70  9982.48
   16028      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.      385.      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
 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.      68.   3318.40
      .55      .00     11.57     7.54     .000      .050     .060      .000  3316.80  9986.00
   22976      380.      370.      360.       20        19        0       .00    50.36 10036.36
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THIS RUN EXECUTED 9/24/90 13:20:57

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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

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
*	37800.000	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

ONWOOD 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	380.00	.00	.00	2340.30	5952.00	2349.00	2349.00	2351.36	140.93	13.74	514.72	501.37
*	570.000	380.00	.00	.00	2340.30	9253.00	2350.66	2350.66	2353.73	131.76	15.78	701.58	806.10
*	570.000	380.00	.00	.00	2340.30	10956.00	2351.42	2351.42	2354.80	127.75	16.59	790.28	969.31
*	570.000	380.00	.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	360.00	.00	.00	2375.80	5952.00	2382.05	2382.05	2383.56	124.82	13.07	762.98	532.74
*	870.000	360.00	.00	.00	2375.80	9253.00	2383.03	2383.03	2385.06	143.13	15.48	1001.51	773.43
*	870.000	360.00	.00	.00	2375.80	10956.00	2383.54	2383.54	2385.76	141.27	16.31	1131.10	921.78
*	870.000	360.00	.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
*	1140.000	580.00	.00	.00	2406.00	14016.00	2419.23	2419.23	2423.25	88.58	17.60	1045.31	1489.22
*	1230.000	540.00	.00	.00	2418.10	5905.00	2428.96	2428.96	2432.22	88.79	16.40	489.29	626.67
*	1230.000	540.00	.00	.00	2418.10	9202.00	2431.27	2431.27	2435.45	86.16	18.94	679.17	991.35
*	1230.000	540.00	.00	.00	2418.10	10925.00	2432.41	2432.41	2436.92	82.85	19.85	778.99	1200.28
*	1230.000	540.00	.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	320.00	.00	.00	2579.10	5127.00	2585.56	2585.56	2588.34	153.50	13.81	409.17	413.82
*	2120.000	320.00	.00	.00	2579.10	7963.00	2587.52	2587.52	2591.09	140.01	15.84	567.56	672.97
*	2120.000	320.00	.00	.00	2579.10	9424.00	2588.42	2588.42	2592.35	135.14	16.68	644.94	810.66
*	2120.000	320.00	.00	.00	2579.10	12075.00	2589.91	2589.91	2594.41	128.41	18.00	780.15	1065.59
	2190.000	310.00	.00	.00	2592.00	5127.00	2597.82	2597.82	2599.72	173.92	12.49	507.04	388.77
*	2190.000	310.00	.00	.00	2592.00	7963.00	2599.17	2599.17	2601.60	165.18	14.31	695.73	619.59
*	2190.000	310.00	.00	.00	2592.00	9424.00	2599.78	2599.78	2602.44	161.26	15.05	786.30	742.12
*	2190.000	310.00	.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	460.00	.00	.00	2627.90	5127.00	2634.15	2634.15	2636.50	176.29	13.77	454.57	386.14
*	2400.000	460.00	.00	.00	2627.90	7963.00	2635.83	2635.83	2638.79	160.23	15.65	630.22	629.07
*	2400.000	460.00	.00	.00	2627.90	9424.00	2636.58	2636.58	2639.82	155.82	16.47	712.66	754.96
*	2400.000	460.00	.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	360.00	.00	.00	2745.50	746.00	2749.77	2749.77	2750.67	261.19	7.82	106.57	46.16
*	2910.000	360.00	.00	.00	2745.50	1154.00	2750.47	2750.47	2751.49	221.58	8.55	158.27	77.53
*	2910.000	360.00	.00	.00	2745.50	1366.00	2750.74	2750.74	2751.85	220.61	9.00	180.13	91.97
*	2910.000	360.00	.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	400.00	.00	.00	2891.00	746.00	2895.12	2895.12	2896.46	213.86	9.31	81.54	51.01
*	3410.000	400.00	.00	.00	2891.00	1154.00	2896.30	2896.30	2897.54	148.04	9.27	146.69	94.84
*	3410.000	400.00	.00	.00	2891.00	1366.00	2896.65	2896.65	2897.97	147.71	9.67	169.88	112.39
*	3410.000	400.00	.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	600.00	.00	.00	3194.10	746.00	3198.59	3198.59	3199.58	195.51	8.57	101.21	53.35
*	4260.000	600.00	.00	.00	3194.10	1154.00	3199.26	3199.26	3200.57	204.92	10.01	134.43	80.61
*	4260.000	600.00	.00	.00	3194.10	1366.00	3199.58	3199.58	3201.02	204.00	10.55	150.92	95.64
*	4260.000	600.00	.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)

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	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	380.00
*	570.000	9253.00	2350.66	1.66	7.27	.00	115.70	380.00
*	570.000	10956.00	2351.42	.76	6.98	.00	118.86	380.00
*	570.000	14038.00	2352.67	1.25	6.43	.00	124.07	380.00
*	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	360.00
*	870.000	9253.00	2383.03	.97	7.67	.00	250.54	360.00
*	870.000	10956.00	2383.54	.51	7.81	.00	256.19	360.00
*	870.000	14038.00	2384.36	.82	7.96	.00	265.20	360.00
*	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
*	1140.000	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	540.00
*	1230.000	9202.00	2431.27	2.31	14.40	.00	85.80	540.00
*	1230.000	10925.00	2432.41	1.14	14.60	.00	89.31	540.00
*	1230.000	14016.00	2434.11	1.71	14.88	.00	94.48	540.00
*	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	320.00
*	2120.000	7963.00	2587.52	1.96	11.26	.00	84.50	320.00
*	2120.000	9424.00	2588.42	.90	11.14	.00	87.88	320.00
*	2120.000	12075.00	2589.91	1.49	10.96	.00	93.47	320.00
*	2190.000	5127.00	2597.82	.00	12.27	.00	135.17	310.00
*	2190.000	7963.00	2599.17	1.34	11.65	.00	145.76	310.00
*	2190.000	9424.00	2599.78	.61	11.36	.00	149.77	310.00
*	2190.000	12075.00	2600.77	1.00	10.87	.00	155.46	310.00
*	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	460.00
*	2400.000	7963.00	2635.83	1.68	15.52	.00	108.61	460.00
*	2400.000	9424.00	2636.58	.75	15.45	.00	112.31	460.00
*	2400.000	12075.00	2637.85	1.27	15.29	.00	117.96	460.00
*	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	360.00
*	2910.000	1154.00	2750.47	.70	16.71	.00	79.26	360.00
*	2910.000	1366.00	2750.74	.27	16.50	.00	83.54	360.00
*	2910.000	1747.00	2751.15	.41	16.11	.00	90.12	360.00
*	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
*	3010.000	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	400.00
*	3410.000	1154.00	2896.30	1.18	22.35	.00	64.97	400.00
*	3410.000	1366.00	2896.65	.35	22.34	.00	66.78	400.00
*	3410.000	1747.00	2897.14	.49	22.29	.00	68.71	400.00

	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
*	3790.000	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	600.00
*	4260.000	1154.00	3199.26	.67	41.77	.00	51.13	600.00
*	4260.000	1366.00	3199.58	.32	41.51	.00	52.34	600.00
*	4260.000	1747.00	3200.10	.53	41.24	.00	54.35	600.00

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

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CAUTION SECNO=    130.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=    510.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1140.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1140.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   1140.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   1140.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   3410.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION 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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION 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
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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
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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
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CAUTION 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
CAUTION SECNO=   3530.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3530.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
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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
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CAUTION SECNO=   3610.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

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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

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CAUTION SECNO=   3790.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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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
CAUTION SECNO=   3920.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION 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
CAUTION SECNO=   3920.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3920.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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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
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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
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[illegible]ON SECNO=   4080.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   4170.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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  MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   4260.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
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[illegible]ON SECNO=   4340.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   4340.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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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
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CAUTION SECNO=  4340.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

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

CAUTION SECNO=  4520.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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
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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     9/27/90    TIME     8: 9:38         *
*****************************************************
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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. MCK
2-12-10

```
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 9/27/90 8: 9:38

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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
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


    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      10956      10956
NC     .05        .05        .03        .1         .3
ET                          9.1                                                        9917.1     10138.7
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         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
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
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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	390	400	380			
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	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							
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	370	350	360			
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
GR	2389.0	9909.9	2389.0	9952.3	2387.7	9973.8	2386.7	9975.8	2383.7	9991.8
[illegible]	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	540	570	540			
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			
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							
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	370	320	320			
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	320	300	310			
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
[illegible]	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	490	430	460			
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			
G[illegible]	716.8	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						

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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     390      340      360
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
GR   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
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X	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	420	380	400			
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	620	580	600			
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							
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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T1      FLOOD CONTROL DISTRICT OF MARICOPA CO. - LA027815.H2
T2      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 9/27/90 8:11:11

****
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
	130.000	10956.00	16.70	7.89	2297.10	890.00	2304.99	1194.11	154.88	9904.09	9985.90	10038.50	10058.97
*	130.000	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	380.00	2351.42	969.37	118.86	9979.68	9986.10	10036.90	10098.54
	570.000	10956.00	16.48	11.83	2340.30	380.00	2352.13	947.54	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	360.00	2383.54	921.78	256.19	9972.86	9973.20	10018.70	10229.05
*	870.000	10956.00	17.32	8.17	2375.80	360.00	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	540.00	2432.41	1200.28	89.31	9970.90	9980.60	10011.20	10060.20
*	1230.000	10925.00	20.46	14.37	2418.10	540.00	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
*	1740.000	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	320.00	2588.42	810.66	87.88	9956.35	9964.90	10020.10	10044.23
*	2120.000	9424.00	17.67	9.55	2579.10	320.00	2588.65	704.78	61.60	9964.90	9964.90	10020.10	10026.50
*	2190.000	9424.00	15.05	7.78	2592.00	310.00	2599.78	742.12	149.77	9962.57	9975.80	10032.20	10112.33
*	2190.000	9424.00	16.03	8.10	2592.00	310.00	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	460.00	2636.58	754.96	112.31	9930.57	9976.20	10021.60	10042.87
*	2400.000	9424.00	17.64	8.91	2627.90	460.00	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
*	2470.000	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	360.00	2750.74	91.97	83.54	9989.83	9984.70	10031.30	10073.38
*	2910.000	1366.00	10.44	5.28	2745.50	360.00	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	400.00	2896.65	112.39	66.78	9955.07	9989.80	10022.20	10021.85
*	3410.000	1366.00	11.36	5.48	2891.00	400.00	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	600.00	3199.58	95.64	52.34	9958.70	9983.60	10007.20	10011.04
*	4260.000	1366.00	11.97	5.82	3194.10	600.00	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

COTTONWOOD 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	2352.13	.71	7.44	9986.10	9986.10	10036.90	10073.90	133.69	2355.81	1.01
*	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	8.47	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
*	[illegible]0.000	1366.00	2750.74	.00	16.50	.00	9984.70	10031.30	.00	220.61	2751.85	.00
*	[illegible]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
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CAUTION SECNO=    320.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    450.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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=    570.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

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CAUTION SECNO=   1740.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   1850.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   1970.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION 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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2190.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION 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
CAUTION SECNO=   2300.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   2300.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
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CAU[illegible] 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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   2400.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

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
CAUTION SECNO=   2710.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAU[illegible]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
CAUTION SECNO=   3010.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUT[illegible]ECNO=   3010.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUT[illegible]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
CAUTION SECNO=   3410.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION 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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3410.000  PROFILE=  2  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=   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

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
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CAUTION 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
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=   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  MINIMUM SPECIFIC ENERGY
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

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
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ON 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.	726.	15.1	2352.1	2351.4	.7
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]00.000	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].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	WATER SURFACE ELEVATION 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     9/24/90    TIME    14:50:34           *
*******************************************************
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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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CWTI, C
9-17-90

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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 9/24/90 14:50:34

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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


    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

        ***** STREAM REACH DISTANCES REVISED 9-18-90
        ******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
     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  700      700      700
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

```
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 1

*SECNO 1030.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
        ******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
  022248      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	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	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

*SECNO 440.000
7185 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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

560.000	4.83	2517.23	2517.23	.00	2518.24	1.00	12.47	.00	2516.60
688.	100.	587.	0.	25.	69.	0.	6.	3.	2516.90
.10	4.00	8.54	.94	.065	.045	.065	.000	2512.40	9973.74
.018821	700.	700.	700.	15	10	0	.00	44.25	10017.99

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     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
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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


*PROF 2

*SECNO 1030.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
        ******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
   0 CRITICAL DEPTH ASSUMED
   0.000     5.74  2415.74  2415.74      .00  2417.49     1.75    12.07      .00  2411.50
    1187.     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
   22864     170.     160.     130.       20       11        0      .00    42.37 10021.39
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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 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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

560.000	5.60	2518.00	2518.00	.00	2519.27	1.27	11.56	.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	700.	700.	700.	19	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
        ***** STREAM REACH DISTANCES REVISED 9-18-90
        ******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
   60.000     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
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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	7.30	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
.022877	170.	160.	130.	20	11	0	.00	43.78	10022.01

*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

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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     5.94  2518.34  2518.34      .00  2519.72      1.38     11.28       .00  2516.60
    1269.     255.     996.      19.      50.      96.       8.       10.        3.   2516.90
      .09     5.04    10.34     2.42     .065     .045      .065      .000   2512.40  9959.10
  .017558     700.     700.     700.       20       15         0       .00     67.15 10026.24


*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
      .11     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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     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
        ***** STREAM REACH DISTANCES REVISED 9-18-90
        ******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
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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
  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
 20 TRIALS ATTEMPTED WSEL,CWSEL
 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
```

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

560.000	6.63	2519.03	2519.03	.00	2520.39	1.35	9.79	.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	700.	700.	700.	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 9/24/90 14:51: 0

****
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

ONWOOD 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	700.00	.00	.00	2512.40	688.00	2517.23	2517.23	2518.24	188.21	8.54	94.21	50.15
*	560.000	700.00	.00	.00	2512.40	1068.00	2518.00	2518.00	2519.27	178.61	9.80	133.12	79.91
*	560.000	700.00	.00	.00	2512.40	1269.00	2518.34	2518.34	2519.72	175.58	10.34	154.56	95.77
*	560.000	700.00	.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

ONWOOD 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
CAUT	180.000	1804.00	2442.58	.68	10.08	.00	46.19	160.00
CAUTI								
*	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	700.00
*	560.000	1068.00	2518.00	.77	22.46	.00	59.38	700.00
*	560.000	1269.00	2518.34	.34	22.22	.00	67.15	700.00
*	560.000	1624.00	2519.03	.70	21.94	.00	82.32	700.00
*	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
CAUTI	700.000	1624.00	2545.28	.79	26.25	.00	48.28	740.00
CAUT								

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
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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  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
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CAUTION SECNO=    320.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=    440.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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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  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    560.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
[illegible]ON SECNO=    560.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
[illegible]ON 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
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CAUTION SECNO=    700.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=    700.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    700.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL
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*******************************************************
*  WATER SURFACE PROFILES                             *
*  VERSION OF SEPTEMBER 1988                          *
*  ERROR: 01,02,03                                    *
*  UPDATED:  SEPTEMBER 1989                           *
*  RUN DATE     9/27/90    TIME     8:20:57           *
*******************************************************
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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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CWTT, M
9-18-90

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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 9/27/90 8:20:57

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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
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         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
G   2432.2    9937.8    2421.4     9966.6    2414.7    9978.4    2411.5    9989.4    2410.0   10000.0
G   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			
[illegible]	1	2469.1	10011.6							
[illegible]	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	700	700	700			
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
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THIS RUN EXECUTED 9/27/90 8:21:10

****

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	700.00	2518.34	95.77	67.15	9959.10	9990.50	10015.50	10026.24
*	560.000	1269.00	10.06	6.01	2512.40	700.00	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

TTONWOOD 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=    700.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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 ION 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     9/24/90    TIME    15:24:25         *
*****************************************************
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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
****************************************
```

CWT2.01
9-18-10

```
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 9/24/90 15:24:25

```
**************************************************
  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

         *** STREAM REACH DISTANCES REVISED 9-18-90
        *****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
     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	310	290	300			
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

```
 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 1

*SECNO 180.000
        *** STREAM REACH DISTANCES REVISED 9-18-90
       *****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
  .059717     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
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     2.59  2491.69  2491.69      .00  2492.29      .60    11.24      .00  2491.50
     76.       0.      76.       0.       0.      12.       0.       0.       0.   2495.60
     .05      .97     6.24      .00     .060     .050     .000     .000  2489.10  9992.15
  .035795     310.     300.     290.       20       11        0      .00    13.02 10005.18
```

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 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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
.07	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
 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 180.000
        *** STREAM REACH DISTANCES REVISED 9-18-90
       *****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
 .037629     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     8.89      .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     310.     300.     290.       17        8        0      .00    26.02 10006.32


*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
```

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

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
T2   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
```

```
 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 180.000
        *** STREAM REACH DISTANCES REVISED 9-18-90
       *****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
   35600      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     8.58      .00  2491.50
     141.      21.     120.       0.       9.      19.       0.       1.       0.   2495.60
      .04     2.26     6.20      .00     .060     .050     .000     .000  2489.10  9976.61
  .022931      310.     300.     290.       19        8        0      .00    30.06 10006.67


*SECNO 220.000
7185 MINIMUM SPECIFIC ENERGY
```

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

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

```
     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   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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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 180.000
        *** STREAM REACH DISTANCES REVISED 9-18-90
       *****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
  .033541     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
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  150.000     3.57  2492.67  2492.67      .00  2493.21      .55     8.46      .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     310.     300.     290.       20        8        0      .00    35.36 10007.13
```

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 220.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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 9/24/90 15:24:34

****
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

ONWOOD 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	300.00	.00	.00	2489.10	76.00	2491.69	2491.69	2492.29	357.95	6.24	12.49	4.02
*	150.000	300.00	.00	.00	2489.10	119.00	2492.26	2492.26	2492.78	240.62	6.07	23.60	7.67
*	150.000	300.00	.00	.00	2489.10	141.00	2492.43	2492.43	2492.96	229.31	6.20	28.54	9.31
	150.000	300.00	.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

TONWOOD 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	300.00
*	150.000	119.00	2492.26	.57	13.99	.00	26.02	300.00
*	150.000	141.00	2492.43	.18	13.97	.00	30.06	300.00
	150.000	180.00	2492.67	.23	13.91	.00	35.36	300.00
*	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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    150.000  PROFILE=  4  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=    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
```

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ROR: 01,02,03                                    *
*  DATED:  SEPTEMBER 1989                           *
*  RUN DATE     9/27/90    TIME     8:29:47         *
*****************************************************
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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.MCX
9-18-90

```
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 9/27/90 8:29:47

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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


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       141       141
NC     .07       .07       .05
ET                         9.1                                                        9998.0    10013.5
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         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	310	290	300			
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 9/27/90 8:29:52

****
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	300.00	2492.43	9.31	30.06	9976.61	9996.10	10013.00	10006.67
*	150.000	141.00	6.09	3.35	2489.10	300.00	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

ONWOOD 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	SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	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     9/24/90   TIME   15:30:45             *
*******************************************************
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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
****************************************
```

GA. O.

9-20

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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
```

END OF BANNER

THIS RUN EXECUTED 9/24/90 15:30:46

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


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

SECTION 600, NORTH TRIBUTARY TO GALLOWAY WASH.

AREA BETWEEN STN 9343.4 - 9646.7 CONSIDERED INEFFECTIVE INEFFECTIVE DUE TO RAPID CHANNEL EXPANSION. EFFECTIVE FLOW BOUNDARY FOLLOWS 4:1 EXPANSION

AREA BETWEEN STN 10317.6 - 10473.6 CONSIDERED INEFFECTIVE DUE TO ROADWAY BERM WHICH CUTS OFF FLOW FROM MAIN CHANNEL. THIS AREA IS MAPPED AS SLACKWATER AREA WITHIN FLOODPRONE LIMITS.

```
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

QT       4      4265      6389      7470      9393

         **** STREAM REACH DISTANCES REVISED 9-18-90
         *****REVISED STREAMFLOWS FROM CVCRK43R.OUT**********************
         COMMON SECTION IS 320 FROM GRAPEVINE WASH (HTA)
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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

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	
X1	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								
[illegible]	780	13	9977.5	10191.5	490	500	530			
[illegible]	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
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			
X3						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				
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								
	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

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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
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
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

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
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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
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								
X1	2160	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				
X1	2350	17	9886.6	10216.3	460	500	480			
[illegible]	2536.1	9847.4	2516.9	9865.6	2516.9	9886.6	2518.9	9910.2	2516.7	9933.9
[illegible]	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
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	10295.5	.045
NH	10344									
X1	2650	28	9666.3	10266.2	380	430	420			
[illegible]				9799.4						
[illegible]	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						
NH	5	.045	9820.8	.035	9933.1	.045	10000.0	.025	10058.1	.045
NH	10103									
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		
	.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
GR	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			
	2682.3	9574.7	2658.2	9624.6	2645.4	9652.7	2643.5	9677.3	2641.7	9704.0
	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

	2647.6	10219.6	2659.2	10261.2

X1	3260	26	9780.6	10213.1	310	340	310			
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								

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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 1

CCHV=     .100 CEHV=     .300
*SECNO 320.000
         **** STREAM REACH DISTANCES REVISED 9-18-90
         *****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


1490 NH CARD USED
*SECNO 150.000
3265 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


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


1490 NH CARD USED
*SECNO 350.000
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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


3265 DIVIDED FLOW

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


1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 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


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


*SECNO 680.000
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


3470 ENCROACHMENT STATIONS=        .0   10220.4  TYPE=      1  TARGET=    10220.400
  680.000     7.02  2303.32  2303.32      .00  2304.29      .97     9.64      .09  2300.70
    4265.     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


*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


*SECNO 870.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  870.000     4.14  2327.14  2327.14      .00  2328.48     1.34     7.74      .07  2323.60
    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


*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


*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
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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

3265 DIVIDED FLOW

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


*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


*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
  .015667     340.     320.     320.       14       11        0      .00   166.94 10030.87


*SECNO 1320.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 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
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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     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


1490 NH CARD USED
*SECNO 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


 00 NH CARD USED
 NO 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


*SECNO 1700.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1700.000     5.52  2436.32  2436.32      .00  2437.24      .93     8.84      .02  2435.70
    4265.       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
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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 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


*SECNO 1830.000

3265 DIVIDED FLOW

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


*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


1490 NH CARD USED
*SECNO 1990.000
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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

7185 MINIMUM SPECIFIC ENERGY
3720 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


*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


*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


*SECNO 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
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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 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


*SECNO 2350.000
7185 MINIMUM SPECIFIC ENERGY
3720 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
  .015931     460.     480.     500.       12       14        0      .00   349.52 10211.94


*SECNO 2460.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 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


*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


1490 NH CARD USED
*SECNO 2650.000
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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


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


1490 NH CARD USED
*SECNO 2730.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 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
  .012130     380.     420.     350.       20       15        0      .00   266.20 10222.31


1490 NH CARD USED
*SECNO 2800.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2800.000     3.46  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


*SECNO 2910.000

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


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


*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


*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


*SECNO 3210.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3210.000     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


*SECNO 3260.000

3265 DIVIDED FLOW

7185 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

3260.000	3.37	2649.37	2649.37	.00	2650.23	.85	6.84	.06	2646.00
3751.	32.	3719.	0.	6.	500.	0.	224.	128.	2651.40
.63	5.45	7.43	.00	.045	.041	.000	.000	2646.00	9777.14
.021191	310.	310.	340.	4	11	0	.00	302.08	10139.05

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   50-YR FLOOD FREQUENCY MODEL
T3   N. TRIB. GALLOWAY WASH   (GA.DAT)

J1  ICHECK   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
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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 2

CCHV=     .100 CEHV=     .300
*SECNO 320.000
         **** STREAM REACH DISTANCES REVISED 9-18-90
         *****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
 NO 150.000
 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


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


1490 NH CARD USED
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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 350.000

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

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

[illegible].000	4.20	2274.50	2274.50	.00	2275.42	.91	12.06	.01	2273.10
[illegible]389.	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

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	7.73	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

*SECNO 680.000
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


3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
  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


*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


*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


*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
  .016614     520.     530.    560.       14       15        0      .00   241.94 10187.66


*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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 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 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


*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


*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


*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
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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 1420.000
7185 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

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

NH CARD USED
O 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
.015865	440.	420.	420.	20	15	0	.00	335.62	10078.78

*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

*SECNO 1790.000

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


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 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


*SECNO 1830.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

 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


*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


1490 NH CARD USED
*SECNO 1990.000

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


 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


*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
  .015110     420.      420.     420.       20         8        0       .00   215.23 10140.70


*SECNO 2140.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

 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


*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


*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
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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 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


*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


*SECNO 2570.000

DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     9618.5   10054.6  TYPE=      1  TARGET=    -9618.500
 2570.000     4.83  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


1490 NH CARD USED
*SECNO 2650.000
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     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
     218     380.     420.     430.        6       14        0      .00   464.31 10303.57
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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


1490 NH CARD USED
*SECNO 2730.000

3265 DIVIDED FLOW

3685 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


1490 NH CARD USED
*SECNO 2800.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 [illegible]0.000     3.89  2582.49  2582.49      .00  2583.46      .97     4.69      .01  2582.00
    [illegible]632.       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


*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


*SECNO 3010.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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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


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


*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


*SECNO 3210.000

3301 HV CHANGED MORE THAN HVINS

 MINIMUM SPECIFIC ENERGY
 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


*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     6.41      .07  2646.00
   5632.      47.    5585.       0.       8.     677.       0.     297.     137.   2651.40
     .56     5.86     8.25      .00     .045     .041     .000     .000  2646.00  9776.56
 .019908     310.     310.     340.        3       11        0      .00   334.01 10149.02
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T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      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

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
*SECNO 320.000
         **** STREAM REACH DISTANCES REVISED 9-18-90
         *****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     5.62  2215.62  2215.54  2215.64  2216.75     1.13      .00      .00  2216.00
    7470.       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


1490 NH CARD USED
*SECNO 150.000
3265 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


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


1490 NH CARD USED
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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 350.000

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


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


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


*SECNO 680.000

3301 HV CHANGED MORE THAN HVINS
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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


7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=          .0   10220.4  TYPE=      1  TARGET=    10220.400
  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


 NO 870.000
 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


*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


*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
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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
  .017866     380.     370.     360.        2        8        0      .00   262.92 10053.22


*SECNO 1190.000
3280 CROSS SECTION   1190.00 EXTENDED      1.72 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 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


*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


*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
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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     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


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


 NH CARD USED
*SECNO 1610.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
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
  .015588     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


*SECNO 1790.000

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


7185 MINIMUM SPECIFIC ENERGY
3720 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


*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


*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
  .017872     320.     320.     320.        4        14        0      .00   216.75 10051.35


1490 NH CARD USED
*SECNO 1990.000
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
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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


*SECNO 2140.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 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


*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


*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


*SECNO 2350.000
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


 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


*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


*SECNO 2570.000

3265 DIVIDED FLOW

 MINIMUM SPECIFIC ENERGY
 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
  .020470     550.     580.     540.      16       14       0       .00   393.39 10024.71


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
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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

1490 NH CARD USED
*SECNO 2730.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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

1490 NH CARD USED
*SECNO 2800.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.000	4.11	2582.71	2582.71	.00	2583.77	1.06	4.68	.02	2582.00
593.	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

*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

*SECNO 3010.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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
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

*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
.017506	540.	580.	450.	15	11	0	.00	226.08	10057.94

*SECNO 3210.000

3301 HV CHANGED MORE THAN HVINS

MINIMUM SPECIFIC ENERGY
CRITICAL DEPTH ASSUMED

3210.000	3.22	2642.92	2642.92	.00	2643.81	.89	8.97	.06	2641.70
6593.	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

*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	6.18	.06	2646.00
6593.	55.	6538.	0.	9.	778.	0.	333.	141.	2651.40
.54	6.01	8.40	.00	.045	.041	.000	.000	2646.00	9776.25
.019007	310.	310.	340.	4	11	0	.00	360.43	10154.25

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     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
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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
*SECNO 320.000
         **** STREAM REACH DISTANCES REVISED 9-18-90
         *****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
     .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


1490 NH CARD USED
 NO 150.000
 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


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


1490 NH CARD USED
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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 350.000

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


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


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     8.18  2293.58  2293.58      .00  2294.59     1.01    12.27      .01  2291.10
    9393.       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


*SECNO 680.000

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


3470 ENCROACHMENT STATIONS=        .0   10220.4  TYPE=      1  TARGET=    10220.400
  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
  .017547     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


*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


*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


*SECNO 1050.000
7185 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
      .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
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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


*SECNO 1190.000
3280 CROSS SECTION   1190.00 EXTENDED      2.39 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

 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


*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


*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
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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


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


NH CARD USED
NO 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


*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


*SECNO 1790.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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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


3470 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


*SECNO 1830.000

3265 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
    18790     210.     210.     210.       20        8        0      .00   354.50 10181.00


*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


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
  .009809     490.     530.     510.        3       15        0      .00   230.12 10106.38
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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     5.79  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


*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


*SECNO 2200.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2200.000     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


*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


*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
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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 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


*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


 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     4.85  2560.45  2560.45      .00  2561.38      .93     6.41      .03100000.00
    8303.       0.    6717.    1586.       0.     994.     144.     322.     117.   2557.00
      .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


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
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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

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

*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

NO 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

*SECNO 3120.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3120.000	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

*SECNO 3210.000

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

*SECNO 3260.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3260.000	4.61	2650.61	2650.61	.00	2651.85	1.24	6.01	.06	2646.00
8303.	69.	8234.	0.	11.	918.	0.	392.	146.	2651.40
.50	6.35	8.97	.00	.045	.041	.000	.000	2646.00	9775.87
.018949	310.	310.	340.	3	11	0	.00	385.02	10160.88

THIS RUN EXECUTED 9/24/90 15:33:38

****
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
*	1190.000	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

	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
*	1890.000	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

	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

	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

RIB. 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

	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
*	1420.000	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

	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
*	1790.000	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
*	2140.000	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
	2160.000	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

	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
*	3120.000	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	310.00	.00	.00	2646.00	3751.00	2649.37	2649.37	2650.23	211.91	7.43	506.14	257.67
*	3260.000	310.00	.00	.00	2646.00	5632.00	2649.94	2649.94	2650.99	199.08	8.25	685.10	399.16
*	3260.000	310.00	.00	.00	2646.00	6593.00	2650.23	2650.23	2651.32	190.07	8.40	787.16	478.22
*	3260.000	310.00	.00	.00	2646.00	8303.00	2650.61	2650.61	2651.85	189.49	8.97	928.94	603.17

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
*	1700.000	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
*	2570.000	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
*	3010.000	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	310.00
*	3260.000	5632.00	2649.94	.56	7.20	.00	334.01	310.00
*	3260.000	6593.00	2650.23	.30	7.32	.00	360.43	310.00
*	3260.000	8303.00	2650.61	.38	7.40	.00	385.02	310.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     9/27/90    TIME     8:34:22         *
*****************************************************
```

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

GA MEX
9-12-90

```
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
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END OF BANNER

THIS RUN EXECUTED 9/27/90 8:34:22

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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        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


    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

NC     .045      .045      .041       .1        .3
QT       2      7470      7470
ET                          4.1    9670.0   10130.0
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         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
    2248.5   9850.0    2247.0    9875.0    2246.0    9910.0    2248.0    9935.0    2232.0    9985.0
    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
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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
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			
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
	2273.5	10180.8	2272.1	10211.3	2271.5	10232.5	2274.3	10249.3	2274.5	10289.4
	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					
X1	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							
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								

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
	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				
ET			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
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								

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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
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

    .045    .045      .041
                      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
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      2     6593      6593
NC   .045     .045      .041
                      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
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

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			
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
ET		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				
[illegible]	5	.045	9910.4	.03	10000.0	.045	10175.1	.035	10212.4	.045
[illegible]	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
GR	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
[illegible]	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
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
GR	2628.4	10044.3	2628.7	10048.3	2638.4	10071.4	2652.9	10109.1	2653.7	10110.6
NC	.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	310	390	310			
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								

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     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
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THIS RUN EXECUTED 9/27/90 8:35:42

****
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

N. TRIB. GALLOWAY WASH

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

	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

	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	310.00	2650.23	478.41	360.52	9776.25	9780.60	10213.10	10154.26
*	3260.000	6593.00	8.42	4.25	2646.00	310.00	2650.25	475.57	356.45	9780.60	9780.60	10213.10	10153.00

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

	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

	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

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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	WATER SURFACE ELEVATION 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
[illegible]20.000	299.	795.	9.4	2399.3	2399.3	.0
[illegible]30.000	245.	740.	10.1	2413.7	2413.7	.0
1610.000	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

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     9/24/90    TIME    17: 2: 6         *
*****************************************************
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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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RD.001
7-20

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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 9/24/90 17: 2: 7

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


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



      SECTION 1830, ROWE WASH
      AREA BETWEEN STN 9341.3 - 9601.2 IS CONSIDERED INEFFECTIVE DUE TO
         TOPOGRAPHIC LOW CAUSED BY CONFLUENCE WITH MINOR TRIBUTARY.
         EFFECTIVE FLOW IS LIMITED TO MAIN FLOW PATH ONLY.

T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      10-YR FLOOD FREQUENCY MODEL
T3      ROWE WASH                (RO.DAT)


J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                                                                  2313.70

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      3033      4531      5307      6687

NC     .048      .048      .042        .1        .3


        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT*****************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
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A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
SEE RUN ROSPLIT.OUT
QT VALUES FROM CP 51
COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
X1    1520      14    9970   10050
GR    2340    9940    2320    9960    2312    9970    2311   10000    2311   10030
GR    2312   10050    2312   10110    2311   10120    2311   10160    2312   10180
GR    2313   10220    2316   10370    2320   10420    2340   10520


NC     .05     .05    .048


X1    1600      14  9982.7 10407.2     400     380     420
GR  2352.6  9892.9  2329.5  9923.7  2324.4  9982.7  2324.5  9983.7  2324.0 10000.0
GR  2324.8 10038.0  2324.5 10090.7  2326.8 10128.9  2326.4 10216.6  2326.2 10326.8
GR  2326.2 10376.8  2329.7 10407.2  2336.7 10464.6  2343.5 10504.3

X1    1740      22  9580.0 10116.8     750     730     740
GR  2364.0  9525.0  2344.0  9580.0  2345.0  9615.0  2344.5  9640.0  2345.5  9670.0
GR  2345.0  9695.0  2345.5  9705.5  2344.5  9750.0  2343.8  9775.0  2345.7  9795.0
GR  2345.7  9855.0  2343.6  9882.0  2344.5  9900.0  2344.5  9950.0  2343.9  9980.0
GR  2343.5 10000.0  2344.1 10034.0  2344.8 10076.6  2347.3 10094.5  2346.0 10116.8
GR  2355.1 10138.4  2366.0 10161.0

NH       4     999  9601.2     .05  9672.8    .048 10103.7     .05 10141.4
X1    1830      23  9672.8 10103.7     500     480     480
GR  2382.0  9341.3  2361.9  9389.2  2355.9  9422.8  2357.6  9438.1  2359.9  9461.3
GR  2361.5  9514.6  2362.9  9601.2  2359.8  9634.2  2362.2  9672.8  2357.7  9691.6
GR  2361.1  9732.7  2360.6  9838.9  2359.4  9884.8  2362.1  9899.5  2359.6  9939.3
GR  2359.0  9961.7  2358.7 10000.0  2361.1 10029.5  2361.4 10056.0  2358.7 10078.9
GR  2361.2 10103.7  2382.6 10137.4  2384.0 10141.4

NC     .05     .05    .048

X1    1940      26  9732.1 10028.9     580     580     580
GR  2406.0  9478.1  2403.3  9507.7  2399.3  9549.7  2396.1  9562.2  2395.9  9569.2
GR  2381.8  9591.9  2376.2  9612.4  2377.3  9631.2  2370.1  9658.1  2373.2  9665.2
GR  2375.0  9681.0  2374.8  9732.1  2373.0  9781.9  2377.0  9793.6  2372.8  9801.8
GR  2374.6  9825.2  2376.4  9886.6  2378.8  9958.9  2377.1  9966.0  2373.8  9988.0
GR  2375.1 10000.0  2376.0 10024.9  2376.2 10028.9  2378.0 10043.6  2382.1 10062.7
GR  2399.9 10099.7
```

X1	2050	17	9668.3	10019.1	590	600	580			
GR	2413.3	9559.9	2395.6	9595.3	2390.4	9614.9	2391.2	9652.6	2391.1	9668.3
GR	2390.4	9731.0	2391.9	9829.3	2393.2	9862.9	2391.2	9906.1	2389.5	9919.0
GR	2391.2	9957.9	2390.3	9980.0	2389.4	10000.0	2389.8	10019.1	2392.0	10026.1
GR	2417.6	10050.0	2424.3	10088.5						

X1	2140	17	9829.1	10045.3	470	470	480			
GR	2423.8	9738.5	2417.0	9768.7	2412.3	9802.3	2406.2	9811.3	2404.6	9829.1
GR	2405.7	9856.6	2406.8	9889.7	2403.7	9927.2	2401.3	9946.1	2403.1	9974.5
GR	2401.5	9985.0	2401.3	10000.0	2402.2	10022.4	2401.1	10032.1	2401.7	10045.3
GR	2410.0	10062.1	2426.0	10094.8						

X1	2250	14	9753.9	10083.1	450	500	580			
GR	2440.9	9722.3	2423.5	9753.9	2416.5	9777.0	2416.0	9790.1	2415.6	9904.6
GR	2415.7	9919.8	2414.0	9974.4	2414.8	10000.0	2415.1	10022.9	2414.1	10025.5
GR	2417.5	10083.0	2417.8	10083.1	2430.1	10152.4	2442.0	10203.5		

X1	2370	14	9983.4	10427.1	630	630	630			
GR	2455.9	9952.1	2432.3	9983.4	2430.8	10000.0	2432.6	10022.0	2434.6	10125.7
GR	2436.2	10209.9	2438.9	10326.5	2438.0	10371.8	2434.9	10391.2	2438.0	10412.4
GR	2438.5	10427.1	2438.1	10445.3	2449.6	10487.6	2452.0	10514.4		

X1	2450	15	9988.6	10396.5	430	410	420			
GR	2465.3	9959.5	2442.7	9981.1	2441.9	9988.6	2441.7	10000.0	2442.2	10018.2
GR	2444.3	10055.5	2444.4	10221.2	2444.3	10306.8	2443.3	10396.5	2452.4	10418.3
GR	2454.9	10433.3	2457.1	10550.1	2457.4	10593.2	2462.5	10632.5	2462.5	10640.1

CONFLUENCE WITH GRAPEVINE WASH

X1	2510	21	9935.4	10144.5	330	310	320			
GR	2474.0	9907.3	2452.4	9935.4	2451.8	9952.0	2451.9	9973.1	2451.1	10000.0
GR	2452.9	10018.9	2451.6	10055.8	2454.2	10075.7	2453.7	10144.5	2451.0	10245.3
GR	2446.8	10309.6	2446.9	10325.7	2459.7	10346.5	2461.4	10357.1	2462.3	10394.0
GR	2465.0	10443.2	2465.6	10466.0	2465.3	10486.2	2467.0	10517.1	2467.6	10518.3
GR	2476.1	10579.7								

WEST BRAID ELIMINATED FROM RUN

X1	2570	13	9685.0	10025.0	310	330	320			
GR	2480.0	9655.0	2460.7	9685.0	2460.8	9705.0	2461.0	9720.0	2463.0	9750.0
GR	2461.5	9860.0	2461.0	9920.0	2462.0	9940.0	2460.5	9965.0	2460.0	9985.0
GR	2459.5	10000.0	2462.0	10025.0	2472.0	10026.0				

```
NH      5      .05    9607.6     .04    9673.0     .05    9953.8    .035   10050.2     .05
NH  10201

X1   2620       18    9633.9 10050.2     250     270     260
GR 2491.6   9564.4    2468.0  9607.6  2468.2  9619.0  2470.7  9633.9  2468.6  9653.1
GR 2467.9   9667.0    2469.1  9673.0  2469.4  9688.6  2471.3  9749.8  2471.2  9851.2
GR 2469.9   9953.8    2465.4  9985.6  2466.8 10000.0  2468.6 10016.3  2466.6 10050.2
GR 2487.1  10070.3    2493.6 10134.0  2495.3   10201


NH      5      .05    9673.3     .04    9700.3     .05    9924.9    .035   10020.2     .05
NH  10069

X1   2690       20    9611.9 10020.2     370     370     370
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


QT      4     1225      1782    2048    2512

NC    .05      .05      .048

      QT VALUES FROM CP 50
   2760       13    9919.8  9981.2     370     370     370
GR 2530.1   9830.3    2517.9  9869.9  2503.7  9902.5  2494.2  9919.8  2492.5  9961.1
GR 2494.1   9981.2    2494.0  9982.5  2493.4 10000.0  2493.7 10020.8  2494.1 10063.3
GR 2492.1  10116.4    2511.1 10141.8  2513.0 10150.9


X1   2840        9    9986.4 10017.7     410     430     420
GR 2522.3   9954.0    2505.8  9986.4  2502.9  9995.0  2505.4 10000.0  2507.5 10017.7
GR 2507.5  10061.3    2507.4 10125.0  2519.7 10146.8  2530.9 10160.5


NC    .05      .05      .035

X1   2900       10    9988.6 10012.9     310     330     320
GR 2536.3   9963.8    2512.6  9988.6  2512.9  9989.9  2511.6 10000.0  2514.1 10012.9
GR 2516.3  10026.3    2516.6 10065.1  2517.3 10124.9  2516.4 10137.4  2532.3 10169.6


      CONFLUENCE WITH ROWE TRIB. 1.
X1   3010       11    9991.2 10009.3     580     580     580
GR 2550.6   9929.2    2533.2  9961.3  2533.2  9973.2  2530.4  9991.2  2531.3 10000.0
GR 2531.3  10009.3    2534.2 10019.7  2534.9 10046.5  2534.5 10076.1  2538.3 10088.3
GR 2555.4  10124.6
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QT      4       790      1158      1334      1639

NC    .05       .05      .045

          QT VALUES FROM CP 50A
X1   3090         9    9984.3   10013.1       420       420       420
GR  2561.4    9916.1    2551.5    9941.4    2547.8    9977.2    2546.6    9984.3    2543.7   10000.0
GR  2545.8   10013.1    2548.1   10015.8    2567.3   10043.5    2565.5   10051.1

NC   .055      .055      .045

X1   3160         7    9991.0   10004.8       360       390       370
GR  2581.1    9960.5    2562.4    9991.0    2560.8    9998.3    2561.3   10000.0    2562.9   10004.8
GR  2566.1   10010.1    2589.0   10039.5

X1   3250        16    9973.2   10009.8       480       480       480
GR  2602.9    9949.4    2590.1    9973.2    2587.9    9987.2    2588.1    9989.2    2588.5    9998.6
GR  2588.9   10000.0    2590.2   10009.8    2590.5   10010.0    2592.4   10019.5    2592.3   10033.3
GR  2597.5   10047.5    2605.3   10064.4    2605.8   10078.4    2604.7   10102.9    2606.0   10128.0
GR  2608.5   10136.2

    3320         8    9987.9   10009.7       380       360       370
    2618.8    9944.2    2615.5    9964.5    2607.0    9978.5    2600.0    9987.9    2600.6   10000.0
GR  2600.8   10009.7    2602.3   10012.4    2615.6   10032.9

X1   3410         9    9990.1   10009.4       480       480       480
GR  2646.1    9924.8    2641.6    9952.5    2634.8    9970.5    2625.2    9987.6    2624.8    9990.1
GR  2622.4    9997.4    2622.2   10000.0    2627.0   10009.4    2648.6   10037.5

X1   3470         7    9990.8   10000.0       330       310       320
GR  2664.0    9962.5    2642.3    9990.8    2640.0    9997.9    2643.5   10000.0    2652.6   10014.1
GR  2659.5   10039.0    2664.9   10046.9

X1   3520         8   10008.9   10017.4       240       280       260
GR  2679.9    9956.3    2663.3    9981.3    2662.7    9992.0    2662.7   10000.0    2661.1   10008.9
GR  2660.3   10017.4    2673.4   10035.6    2678.3   10046.8

X1   3590         7    9986.5   10000.0       380       360       370
GR  2705.3    9961.1    2684.0    9986.5    2681.8    9997.1    2684.8   10000.0    2692.5   10009.8
GR  2708.1   10038.3    2709.8   10042.2
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X1    3680       9    9993.1   10000.0     480     480     480
GR   2742.9  9966.4    2727.8    9982.1  2721.5  9985.6  2716.2   9993.1   2716.2  10000.0
GR   2723.2 10011.5    2725.4   10015.7  2738.1 10042.2  2738.0  10044.8

X1    3780       7    9998.9   10009.1     520     540     530
GR   2773.8  9958.6    2765.1    9982.6  2760.3  9988.0  2751.6   9998.9   2751.9  10000.0
GR   2753.2 10009.1    2769.1   10031.4

X1    3880       6    9987.9   10011.4     550     510     530
GR   2820.3  9956.5    2805.6    9987.9  2802.1 10000.0  2805.7  10011.4   2812.8  10039.3
GR   2822.9 10065.0

X1    3940       7    9987.4   10000.0     270     290     280
GR   2833.1  9943.9    2818.2    9987.4  2815.8  9995.1  2817.6  10000.0   2822.7  10010.8
GR   2837.5 10039.6    2837.6   10044.4

        CONFLUENCE WITH ROWE TRIB. 2.
X1    3980      10    9984.3   10011.5     270     250     260
GR   2853.3  9928.8    2845.4    9954.8  2843.2  9972.7  2839.8   9984.3   2833.9   9995.3
GR   2836.1 10000.0    2838.7   10011.5  2838.8 10012.5  2846.6  10030.7   2853.5  10042.1

QT       4     217       305       352     433

        QT VALUES FROM SUBWTRSHD H1F
X1    4050      10    9985.8   10000.0     360     380     370
GR   2884.8  9938.4    2871.6    9958.2  2864.5  9978.5  2861.7   9985.8   2860.8   9994.1
GR   2861.6 10000.0    2865.4   10010.8  2878.7 10032.5  2873.7  10058.0   2882.4  10074.4

X1    4160      16    9968.8   10000.0     580     580     580
GR   2945.6  9901.5    2935.2    9929.9  2927.5  9956.7  2927.5   9960.0   2922.5   9968.8
GR   2923.8  9978.9    2924.7    9986.0  2924.3 10000.0  2927.9  10011.0   2930.6  10024.2
GR   2938.7 10039.0    2945.7   10053.4  2943.8 10089.9  2944.3  10094.1   2948.6  10105.1
GR   2955.8 10127.8

X1    4250      14    9985.1   10007.4     500     460     480
GR   2985.4  9925.3    2982.1    9945.6  2972.7  9965.6  2968.9   9981.3   2968.3   9985.1
GR   2965.2  9996.3    2965.9   10000.0  2967.6 10007.4  2967.8  10010.8   2967.8  10022.8
GR   2976.5 10047.4    2980.0   10064.0  2979.8 10081.6  2985.4  10107.6

X1    4350       7    9990.8   10000.0     530     530     530
GR   3063.1  9953.1    3053.6    9977.8  3038.8  9990.8  3042.0  10000.0   3044.9  10011.4
GR   3059.3 10038.0    3061.9   10046.7
```

X1	4440	8	9988.3	10013.0	480	480	480			
GR	3158.9	9952.6	3145.9	9975.6	3137.1	9988.3	3132.8	10000.0	3138.7	10013.0
GR	3146.0	10040.4	3151.3	10071.6	3152.4	10078.7				
X1	4530	5	9991.0	10000.0	480	480	480			
GR	3269.5	9947.8	3254.5	9968.2	3241.6	9991.0	3246.1	10000.0	3260.9	10023.3

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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 1



CCHV=     .100 CEHV=     .300
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT*****************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     2.70  2313.70      .00  2313.70  2314.24      .54      .00      .00  2312.00
    3033.       5.    1288.    1740.       2.     191.     336.       0.       0.   2312.00
      .00     2.52     6.75     5.17     .048     .042     .048     .000  2311.00  9967.88
  .011400       0.       0.       0.        0        0        0      .00   287.12 10255.00


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     2.94  2326.94  2326.94      .00  2327.54      .60     7.45      .02  2324.40
    3033.     239.    2794.       0.      37.     452.       0.       5.       3.   2329.70
      .02     6.40     6.18      .00     .050     .048     .000     .000  2324.00  9953.33
  .033942     400.     420.     380.       20        8        0      .00   429.89 10383.22


*SECNO 1740.000
 1740.000     2.39  2345.89      .00      .00  2346.26      .38    18.70      .02  2344.00
    3033.      19.    3014.       0.       5.     612.       0.      14.      11.   2346.00
      .06     3.84     4.92      .00     .050     .048     .000     .000  2343.50  9574.79
  .019530     750.     740.     730.        6        0        0      .00   509.63 10084.42


1490 NH CARD USED
*SECNO 1830.000
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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

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

1830.000	5.30	2361.20	2361.20	.00	2361.83	.63	12.46	.08	2362.20
3033.	117.	2916.	0.	258.	450.	0.	22.	17.	2361.20
.08	.45	6.48	.00	1.155	.048	.000	.000	2355.90	9393.11
.036075	500.	480.	480.	20	26	0	.00	537.21	10103.70

*SECNO 1940.000

3265 DIVIDED FLOW

1940.000	6.05	2376.15	.00	.00	2376.79	.64	14.96	.00	2374.80
3033.	1436.	1597.	0.	196.	289.	0.	29.	23.	2376.20
.11	7.31	5.53	.00	.050	.048	.000	.000	2370.10	9635.51
19346	580.	580.	580.	4	0	0	.00	293.76	10027.83

*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2050.000	2.67	2392.07	2392.07	.00	2392.73	.66	14.29	.01	2391.10
3033.	393.	2593.	47.	67.	390.	8.	36.	27.	2389.80
.13	5.84	6.65	5.71	.050	.048	.050	.000	2389.40	9608.62
.032045	590.	580.	600.	5	18	0	.00	363.71	10026.16

*SECNO 2140.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

2140.000	3.65	2404.75	2404.70	.00	2405.93	1.18	13.05	.16	2404.60
3033.	0.	2980.	53.	0.	340.	9.	40.	30.	2401.70
.15	.82	8.76	5.61	.050	.048	.050	.000	2401.10	9827.38
23432	470.	480.	470.	8	11	0	.00	142.64	10051.48

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 2250.000

3301 HV CHANGED MORE THAN HVINS

2250.000	3.14	2417.14	.00	.00	2417.67	.53	11.67	.06	2423.50
3033.	0.	3033.	0.	0.	517.	0.	46.	33.	2417.80
.17	.00	5.86	.00	.000	.048	.000	.000	2414.00	9774.90
.017508	450.	580.	500.	6	0	0	.00	301.96	10076.86

*SECNO 2370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2370.000	4.73	2435.53	2435.53	.00	2436.51	.97	13.82	.13	2432.30
3033.	41.	2992.	0.	7.	377.	0.	53.	36.	2438.50
.20	5.93	7.94	.00	.050	.048	.000	.000	2430.80	9979.11
28287	630.	630.	630.	14	14	0	.00	204.11	10395.54

*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

2450.000	3.62	2445.32	.00	.00	2445.75	.43	9.19	.05	2441.90
3033.	197.	2818.	18.	26.	559.	5.	57.	39.	2443.30
.22	7.59	5.04	3.74	.050	.048	.050	.000	2441.70	9978.59
.017388	430.	420.	410.	7	0	0	.00	422.75	10401.34

*SECNO 2510.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
CONFLUENCE WITH GRAPEVINE WASH

2510.000	5.49	2452.29	2452.29	.00	2453.27	.99	4.94	.17	2452.40
3033.	0.	115.	2918.	0.	49.	360.	61.	42.	2453.70
.23	.00	2.32	8.12	.000	.048	.050	.000	2446.80	9938.58
4182	330.	320.	310.	3	14	0	.00	235.69	10334.45

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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 2570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          WEST BRAID ELIMINATED FROM RUN
 2570.000     3.23  2462.73  2462.73      .00  2463.46      .73     6.60      .03  2460.70
    3033.      15.    3018.       0.       3.     441.       0.      64.      44.   2462.00
      .24     4.76     6.85      .05     .050     .048     .050     .000  2459.50  9681.84
  .031540     310.     320.     330.       14       14        0      .00   319.77 10025.07


1490 NH CARD USED
*SECNO 2620.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
[illegible] CRITICAL DEPTH ASSUMED
[illegible]0.000     4.87  2470.27  2470.27      .00  2471.15      .88     4.49      .05  2470.70
    3033.     227.    2782.      24.      42.     362.       7.      67.      46.   2466.60
      .25     5.35     7.69     3.67     .041     .029     .050     .000  2465.40  9603.44
  .010913     250.     260.     270.        5       14        0      .00   236.46 10053.80


1490 NH CARD USED
*SECNO 2690.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2690.000     4.99  2480.29  2480.29      .00  2481.42     1.13     4.66      .08  2484.20
    3033.       0.    2932.     101.       0.     339.      26.      70.      47.   2478.60
      .26      .00     8.66     3.91     .000     .038     .050     .000  2475.30  9885.99
  .014707     370.     370.     370.       20        5        0      .00   158.76 10044.75


*SECNO 2760.000

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
        QT VALUES FROM CP 50
 2760.000     2.44  2494.54  2494.54      .00  2495.03      .49     6.46      .06  2494.20
    1225.       0.     441.     784.       0.      74.     144.      72.      49.   2494.10
      .28     1.42     5.94     5.46     .050     .048     .050     .000  2492.10  9919.18
  .028757     370.     370.     370.       20        9        0      .00   200.48 10119.66


*SECNO 2840.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2840.000     5.65  2508.55  2508.55      .00  2509.22      .66     8.63      .05  2505.80
    1225.      31.     744.     450.       7.      95.     117.      75.      51.   2507.50
      .30     4.18     7.80     3.84     .050     .048     .050     .000  2502.90  9980.99
  .015092     410.     420.     430.        5        21        0      .00   146.05 10127.04


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     5.74  2517.34  2517.34      .00  2518.27      .93     2.66      .08  2512.60
    1225.      36.     984.     205.      12.     115.      93.      76.      52.   2514.10
      .31     3.06     8.54     2.19     .050     .035     .050     .000  2511.60  9983.64
  .005177     310.     320.     330.       20        5        0      .00   155.66 10139.30


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     4.53  2534.93  2534.93      .00  2535.91      .98     3.85      .02  2530.40
    1225.     421.     679.     125.      80.      70.      40.      79.      53.   2531.30
      .34     5.30     9.76     3.15     .050     .035     .050     .000  2530.40  9958.12
  .008796     580.     580.     580.       20       15        0      .00   119.35 10077.46


*SECNO 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES FROM CP 50A
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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


 3090.000     4.18  2547.88  2547.88      .00  2549.14     1.26     4.82      .08  2546.60
     790.      15.     766.       9.       5.      84.       3.      80.      54.   2545.80
      .35     3.10     9.14     3.49     .050     .045     .050     .000  2543.70  9976.45
  .018837     420.     420.     420.       20       11        0      .00    39.08 10015.54


*SECNO 3160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3160.000     5.42  2566.22  2566.22      .00  2567.95     1.73     6.41      .14  2562.40
     790.      56.     693.      40.      12.      62.       9.      81.      55.   2562.90
      .36     4.73    11.13     4.42     .055     .045     .055     .000  2560.80  9984.77
  .015958     360.     370.     390.       20       11        0      .00    25.49 10010.26


*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

   20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3250.000     3.45  2591.35  2591.35      .00  2592.52     1.17     8.80      .06  2590.10
     790.       4.     782.       5.       1.      90.       2.      82.      55.   2590.20
      .37     2.65     8.71     2.25     .055     .045     .055     .000  2587.90  9970.87
  .021300     480.     480.     480.       20       14        0      .00    43.40 10014.27


*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3320.000     3.70  2603.70  2603.70      .00  2605.15     1.45     7.53      .08  2600.00
     790.      45.     707.      37.       9.      70.       7.      83.      55.   2600.80
      .38     4.91    10.06     5.11     .055     .045     .055     .000  2600.00  9982.93
  .019483     380.     370.     360.       11        8        0      .00    31.64 10014.56


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     5.30  2627.50  2627.50      .00  2629.12     1.62     9.58      .05  2624.80
     790.      62.     728.       0.      11.      69.       0.      84.      56.   2627.00
      .40     5.69    10.51     1.31     .055     .045     .055     .000  2622.20  9983.51
    0470     480.     480.     480.       20       14        0      .00    26.54 10010.05
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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 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3470.000     7.10  2647.10  2647.10      .00  2649.13     2.04     6.15      .12  2642.30
     790.      84.     658.      48.      15.      53.      10.      84.      56.   2643.50
      .41     5.57    12.32     4.78     .055     .045     .055     .000  2640.00  9984.54
  .018031     330.     320.     310.       20       11        0      .00    21.03 10005.57


*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3520.000     4.36  2664.66  2664.66      .00  2665.81     1.15     4.56      .09  2661.10
     790.     353.     368.      69.      59.      34.      13.      85.      56.   2660.30
      .41     5.93    10.93     5.24     .055     .045     .055     .000  2660.30  9979.25
    7582      240.     260.     280.       20       14        0      .00    44.21 10023.46


*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3590.000     5.87  2687.67  2687.67      .00  2689.63     1.95     6.63      .24  2684.00
     790.      37.     733.      21.       8.      63.       5.      86.      56.   2684.80
      .42     4.56    11.59     3.94     .055     .045     .055     .000  2681.80  9982.12
  .018065     380.     370.     360.       20       11        0      .00    21.53 10003.65


*SECNO 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3680.000     5.66  2721.86  2721.86      .00  2723.66     1.80     7.83      .02  2716.20
     790.     135.     499.     156.      23.      39.      26.      86.      56.   2716.20
      .44     5.98    12.76     5.92     .055     .045     .055     .000  2716.20  9985.40
  .014790     480.     480.     480.       20        8        0      .00    23.91 10009.30
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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 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3780.000     5.73  2757.33  2757.33      .00  2759.23     1.90     8.38      .03  2751.60
     790.     124.     607.      59.      21.      50.      12.      88.      57.   2753.20
      .45     6.02    12.24     4.97     .055     .045     .055     .000  2751.60  9991.73
  .016966     520.     530.     540.       20        5        0      .00    23.16 10014.89


*SECNO 3880.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3880.000     5.10  2807.20  2807.20      .00  2808.66     1.47     9.52      .04  2805.60
     790.       8.     769.      13.       3.      78.       4.      89.      57.   2805.70
      .47     3.00     9.84     3.01     .055     .045     .055     .000  2802.10  9984.49
  .019005     550.     530.     510.       20       15        0      .00    32.79 10017.28


NO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3940.000     5.69  2821.49  2821.49      .00  2823.08     1.60     4.81      .04  2818.20
     790.      72.     640.      79.      16.      58.      16.      89.      57.   2817.60
      .47     4.53    11.03     4.92     .055     .045     .055     .000  2815.80  9977.80
  .015619     270.     280.     290.       20        8        0      .00    30.43 10008.23


*SECNO 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     5.82  2839.72  2839.72      .00  2841.18     1.47     4.85      .01  2839.80
     790.       0.     784.       6.       0.      80.       2.      90.      57.   2838.70
      .48      .00     9.76     3.12     .000     .045     .055     .000  2833.90  9984.46
  .022721     270.     260.     250.       20        8        0      .00    30.18 10014.64


*SECNO 4050.000
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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


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM SUBWTRSHD H1F
 4050.000     2.32  2863.12  2863.12      .00  2863.91      .79     8.34      .07  2861.70
     217.       8.     199.       10.       3.      27.       3.      90.      58.   2861.60
      .50     3.03     7.42     3.19     .055     .045     .055     .000  2860.80  9982.11
  .021844     360.     370.     380.       20       18        0      .00    22.20 10004.31


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.50  2925.00  2925.00      .00  2925.54      .54    15.45      .03  2922.50
     217.      29.     186.       2.       6.      31.       1.      91.      58.   2924.30
      .52     5.21     5.99     2.37     .055     .045     .055     .000  2922.50  9964.39
   33224     580.     580.     580.       20        8        0      .00    37.76 10002.15


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     2.87  2968.07  2968.07      .00  2968.64      .57    12.10      .01  2968.30
     217.       0.     209.       8.       0.      34.       5.      91.      58.   2967.60
      .55      .00     6.17     1.67     .000     .045     .055     .000  2965.20  9985.94
  .019704     500.     480.     460.       20       11        0      .00    37.62 10023.56


*SECNO 4350.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4350.000     3.87  3042.67  3042.67      .00  3043.72     1.05    11.80      .14  3038.80
     217.      33.     182.       2.       7.      21.       1.      91.      59.   3042.00
      .56     5.06     8.73     2.02     .055     .045     .055     .000  3038.80  9987.40
  .025364     530.     530.     530.       20       11        0      .00    15.21 10002.62
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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 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4440.000     3.42  3136.22  3136.22      .00  3137.10      .88     12.83      .02  3137.10
     217.       0.     217.       0.       0.      29.       0.       92.      59.   3138.70
      .58      .00     7.53      .00     .000     .045     .000      .000  3132.80  9990.69
  .028195     480.     480.     480.       20       15        0       .00    16.84 10007.54


*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4530.000     3.85  3245.45  3245.45      .00  3246.42      .97     14.55      .03  3241.60
     217.      90.     127.       0.      13.      15.       0.       92.      59.   3246.10
      .60     6.89     8.57      .00     .055     .045     .000      .000  3241.60  9984.20
  .032674     480.     480.     480.       20        8        0       .00    14.50  9998.70
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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   50-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

              3                                                    2314.31

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
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 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT******************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     3.31  2314.31      .00  2314.31  2314.98      .66      .00      .00  2312.00
    4531.      10.    1822.    2699.       3.     240.     471.       0.       0.   2312.00
      .00     2.99     7.60     5.74     .048     .042     .048     .000  2311.00  9967.11
  .010676       0.       0.       0.        0        0        0      .00   318.39 10285.50


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.29  2327.29  2327.29      .00  2328.06      .77     6.93      .03  2324.40
    4531.     324.    4207.       0.      48.     594.       0.       6.       4.   2329.70
      .02     6.70     7.08      .00     .050     .048     .000     .000  2324.00  9949.24
  .031226     400.     420.     380.       20        5        0      .00   437.05 10386.29


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     2.70  2346.20      .00      .00  2346.73      .53    18.64      .02  2344.00
    4531.      29.    4502.       0.       7.     769.       0.      18.      12.   2346.00
      .05     4.38     5.86      .04     .050     .048     .050     .000  2343.50  9573.95
  .020736     750.     740.     730.        6        0        0      .00   516.61 10117.28
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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


1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1830.000     5.64  2361.54  2361.54      .00  2362.34      .80    12.80      .08  2362.20
    4531.     207.    4324.       0.     313.     589.       0.      28.      18.   2361.20
      .07      .66     7.33      .06     .795     .048     .050     .000  2355.90  9391.20
  .035438     500.     480.     480.       20       23        0      .00   589.53 10104.24


*SECNO 1940.000

3265 DIVIDED FLOW

 1940.000     6.55  2376.65      .00      .00  2377.45      .80    15.11      .00  2374.80
    4531.    1999.    2530.       1.     247.     395.       1.      38.      24.   2376.20
      .09     8.08     6.41     1.55     .050     .048     .050     .000  2370.10  9610.75
  .019954     580.     580.     580.        7        0        0      .00   331.72 10032.58


*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2050.000     3.08  2392.48  2392.48      .00  2393.31      .83    14.09      .01  2391.10
    4531.     629.    3827.      75.      92.     517.      11.      46.      29.   2389.80
      .11     6.83     7.41     6.69     .050     .048     .050     .000  2389.40  9607.07
  .029846     590.     580.     600.        5       14        0      .00   385.18 10026.54


*SECNO 2140.000

3265 DIVIDED FLOW


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
 2140.000     4.52  2405.62  2405.62       .00  2406.97      1.34     12.52       .15  2404.60
    4531.      17.    4412.     102.        6.     471.       16.       53.       32.   2401.70
      .13     2.88      9.37     6.58      .050      .048     .050      .000  2401.10  9817.72
  .023058     470.      480.     470.         4        11        0       .00   186.27 10053.24


*SECNO 2250.000

3301 HV CHANGED MORE THAN HVINS

 2250.000     3.65  2417.65       .00       .00  2418.35       .70     11.32       .06  2423.50
    4531.       0.    4531.        0.        0.     674.        0.       60.       35.   2417.80
      .15      .00      6.72      .00      .000      .048     .000      .000  2414.00  9773.22
  .016789     450.      580.     500.         5         0        0       .00   309.83 10083.05


*SECNO 2370.000

 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2370.000     5.40  2436.20  2436.20       .00  2437.32      1.12     13.32       .13  2432.30
    4531.      66.    4465.       0.       10.     523.        0.       69.       39.   2438.50
      .17     6.61      8.53      .00      .050      .048     .000      .000  2430.80  9978.23
  .027426     630.      630.     630.        16        14        0       .00   248.40 10400.06


*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

 2450.000     4.02  2445.72       .00       .00  2446.28       .56      8.91       .06  2441.90
    4531.     242.    4260.       29.       30.     723.        7.       75.       42.   2443.30
      .19     8.04      5.89     4.16      .050      .048     .050      .000  2441.70  9978.21
  .016866     430.      420.     410.         6         0        0       .00   424.10 10402.31


*SECNO 2510.000
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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


3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        CONFLUENCE WITH GRAPEVINE WASH
 2510.000     6.22  2453.02  2453.02      .00  2454.05     1.03     4.81      .14  2452.40
    4531.       0.     511.    4020.       0.     137.     471.      80.      45.   2453.70
      .20     1.38     3.74     8.53     .050     .048     .050     .000  2446.80  9934.59
  .013832     330.     320.     310.        3       14        0      .00   298.00 10335.65


*SECNO 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        WEST BRAID ELIMINATED FROM RUN
 2570.000     3.68  2463.18  2463.18      .00  2464.09      .91     6.34      .01  2460.70
    4531.      25.    4506.       0.       5.     587.       0.      85.      47.   2462.00
      .22     5.26     7.67      .05     .050     .048     .050     .000  2459.50  9681.15
  029672     310.     320.     330.       16       14        0      .00   343.96 10025.12


1490 NH CARD USED
*SECNO 2620.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2620.000     5.50  2470.90  2470.90      .00  2471.86      .95     4.37      .01  2470.70
    4531.     380.    4114.      37.      61.     514.       9.      88.      49.   2466.60
      .23     6.20     8.00     4.06     .041     .029     .050     .000  2465.40  9602.28
  .010820     250.     260.     270.        3       15        0      .00   314.60 10054.42


1490 NH CARD USED
*SECNO 2690.000

3265 DIVIDED FLOW

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


2690.000     5.96  2481.26  2481.26      .00  2482.34     1.08     5.18      .04  2484.20
   4531.      0.     4200.     331.      0.     496.      52.     93.      52.   2478.60
     .24     .00     8.47     6.31     .000     .042     .050     .000  2475.30  9668.81
 .018851    370.     370.     370.       20        8        0      .00   242.64 10050.49


*SECNO 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM CP 50
2760.000     2.69  2494.79  2494.79      .00  2495.48      .70     7.98      .04  2494.20
   1782.       1.     631.    1150.      0.      89.     178.     96.      54.   2494.10
     .25     2.14     7.08     6.48     .050     .048     .050     .000  2492.10  9918.73
 .031846    370.     370.     370.       20       18        0      .00   201.26 10119.99


*SECNO 2840.000
7185 MINIMUM SPECIFIC ENERGY
[illegible] CRITICAL DEPTH ASSUMED
[illegible]0.000     6.02  2508.92  2508.92      .00  2509.76      .84     9.64      .04  2505.80
   1782.      46.     955.     781.     10.     107.     158.     99.      55.   2507.50
     .27     4.82     8.92     4.94     .050     .048     .050     .000  2502.90  9980.26
 .016937    410.     420.     430.        6       17        0      .00   147.44 10127.70


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
2900.000     6.32  2517.92  2517.92      .00  2518.97     1.05     2.93      .06  2512.60
   1782.      51.    1247.     484.     15.     129.     167.    101.      56.   2514.10
     .28     3.45     9.63     2.89     .050     .035     .050     .000  2511.60  9983.03
 .005644    310.     320.     330.       20        8        0      .00   157.45 10140.48


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH ROWE TRIB. 1.
3010.000     5.16  2535.56  2535.56      .00  2536.67     1.12     4.04      .02  2530.40
   1782.     606.     876.     300.    101.      81.      83.    105.      58.   2531.30
     .30     6.01    10.81     3.61     .050     .035     .050     .000  2530.40  9956.95
 .008830    580.     580.     580.       20       15        0      .00   122.53 10079.49
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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 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
QT VALUES FROM CP 50A

3090.000	5.02	2548.72	2548.72	.00	2550.16	1.44	4.57	.10	2546.60
1158.	62.	1074.	22.	15.	108.	5.	107.	59.	2545.80
.31	4.16	9.93	4.39	.050	.045	.050	.000	2543.70	9968.27
.015791	420.	420.	420.	20	8	0	.00	48.43	10016.70

*SECNO 3160.000

3301 HV CHANGED MORE THAN HVINS

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

3160.000	6.49	2567.29	2567.29	.00	2569.38	2.09	5.72	.20	2562.40
1158.	106.	962.	90.	20.	77.	16.	108.	59.	2562.90
.32	5.43	12.49	5.71	.055	.045	.055	.000	2560.80	9983.02
.015137	360.	370.	390.	20	11	0	.00	28.61	10011.63

*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

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

3250.000	4.13	2592.03	2592.03	.00	2593.50	1.47	8.25	.06	2590.10
1158.	12.	1127.	19.	3.	114.	6.	109.	60.	2590.20
.34	3.40	9.84	3.15	.055	.045	.055	.000	2587.90	9969.61
.019669	480.	480.	480.	20	14	0	.00	48.03	10017.64

*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3320.000	4.58	2604.58	2604.58	.00	2606.38	1.79	6.92	.10	2600.00
1158.	76.	1011.	71.	14.	90.	12.	110.	60.	2600.80
.35	5.41	11.29	5.79	.055	.045	.055	.000	2600.00	9981.74
.017810	380.	370.	360.	13	8	0	.00	34.18	10015.92

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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 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     6.32  2628.52  2628.52      .00  2630.47     1.95     8.60      .05  2624.80
    1158.     118.     1036.       4.      19.      89.       1.     112.      61.   2627.00
      .36     6.38    11.66     2.58     .055     .045     .055     .000  2622.20  9981.69
  .018029     480.     480.     480.       20       11        0      .00    29.68 10011.37


*SECNO 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3470.000     8.44  2648.44  2648.44      .00  2650.79     2.36     5.56      .12  2642.30
    1158.     155.      896.     107.     25.      66.      19.     112.      61.   2643.50
      .37     6.32    13.62     5.68     .055     .045     .055     .000  2640.00  9982.80
  .016710     330.     320.     310.       20       11        0      .00    24.85 10007.65


 NO 3520.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3520.000     5.03  2665.33  2665.33      .00  2666.76     1.43     4.46      .09  2661.10
    1158.     568.      487.     103.     80.      39.      18.     113.      61.   2660.30
      .37     7.12    12.35     5.87     .055     .045     .055     .000  2660.30  9978.24
  .018212     240.     260.     280.       20       14        0      .00    46.16 10024.39


*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3590.000     7.12  2688.92  2688.92      .00  2691.25     2.33     6.39      .27  2684.00
    1158.      76.     1031.      51.     14.      80.      11.     114.      61.   2684.80
      .38     5.26    12.86     4.75     .055     .045     .055     .000  2681.80  9980.63
  .016241     380.     370.     360.       20       11        0      .00    24.62 10005.25
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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 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	6.83	2723.03	2723.03	.00	2725.18	2.15	7.33	.02	2716.20
1158.	232.	672.	254.	32.	47.	38.	115.	62.	2716.20
.39	7.23	14.26	6.62	.055	.045	.055	.000	2716.20	9984.75
.014383	480.	480.	480.	20	8	0	.00	26.48	10011.23

*SECNO 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3780.000	6.95	2758.55	2758.55	.00	2760.82	2.27	7.92	.04	2751.60
1158.	199.	846.	114.	30.	62.	20.	117.	62.	2753.20
.41	6.56	13.62	5.67	.055	.045	.055	.000	2751.60	9990.19
.015573	520.	530.	540.	20	5	0	.00	26.41	10016.60

NO 3880.000

3301 HV CHANGED MORE THAN HVINS

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

3880.000	6.03	2808.13	2808.13	.00	2809.87	1.74	8.54	.05	2805.60
1158.	26.	1087.	45.	7.	100.	12.	118.	62.	2805.70
.42	3.82	10.87	3.89	.055	.045	.055	.000	2802.10	9982.50
.016651	550.	530.	510.	20	15	0	.00	38.45	10020.95

*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3940.000	6.76	2822.56	2822.56	.00	2824.39	1.83	4.31	.03	2818.20
1158.	145.	868.	144.	28.	72.	26.	119.	63.	2817.60
.43	5.24	12.13	5.54	.055	.045	.055	.000	2815.80	9974.66
.014291	270.	280.	290.	20	8	0	.00	35.85	10010.51

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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 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     6.72  2840.62  2840.62      .00  2842.39     1.78     4.33      .00  2839.80
    1158.       2.    1132.      24.       1.     105.       6.     120.      63.   2838.70
      .44     2.03    10.80     4.13     .055     .045     .055     .000  2833.90  9981.51
  .019693     270.     260.     250.       20        5        0      .00    35.22 10016.74


*SECNO 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM SUBWTRSHD H1F
 0.000     2.75  2863.55  2863.55      .00  2864.49      .94     7.33      .08  2861.70
   305.      16.     270.      20.       4.      33.       5.     120.      63.   2861.60
      .45     3.48     8.19     3.63     .055     .045     .055     .000  2860.80  9980.98
  .020200     360.     370.     380.       20       18        0      .00    24.57 10005.54


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.79  2925.29  2925.29      .00  2925.93      .64    13.96      .03  2922.50
    305.      36.     265.       4.       7.      40.       1.     121.      63.   2924.30
      .47     5.24     6.63     2.79     .055     .045     .055     .000  2922.50  9963.89
  .029158     580.     580.     580.       20        5        0      .00    39.12 10003.02


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     3.19  2968.39  2968.39      .00  2969.05      .66    11.30      .00  2968.30
    305.       0.     278.      27.       0.      41.      10.     122.      64.   2967.60
      .49      .04     6.78     2.67     .055     .045     .055     .000  2965.20  9984.51
  .019403     500.     480.     460.       20        8        0      .00    39.97 10024.48
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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 4350.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4350.000     4.49  3043.29  3043.29      .00  3044.48     1.19    10.74      .16  3038.80
    305.       45.     250.       9.       9.      27.       3.     122.      64.   3042.00
     .51     5.11     9.40     2.88     .055     .045     .055     .000  3038.80  9986.85
  .021195     530.     530.     530.       20       11        0      .00    18.23 10005.08


*SECNO 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4440.000     3.92  3136.72  3136.72      .00  3137.73     1.01    11.43      .02  3137.10
    305.        0.     305.       0.       0.      38.       0.     122.      64.   3138.70
     .53      .00     8.06      .00     .000     .045     .000     .000  3132.80  9989.33
   .26923     480.     480.     480.       20       15        0      .00    19.30 10008.64


*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4530.000     4.40  3246.00  3246.00      .00  3247.12     1.12    13.97      .03  3241.60
    305.      127.     178.       0.      17.      19.       0.     123.      65.   3246.10
     .54     7.40     9.21      .00     .055     .045     .000     .000  3241.60  9983.22
  .031550     480.     480.     480.       20        8        0      .00    16.58  9999.80
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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   100-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              4                                                     2314.50

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    3                  -1
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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


*PROF 3



CCHV=     .100 CEHV=     .300
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT*****************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     3.50  2314.50      .00  2314.50  2315.28      .78      .00      .00  2312.00
    5307.      13.    2101.    3194.       4.     255.     516.       0.       0.   2312.00
      .00     3.28     8.24     6.19     .048     .042     .048     .000  2311.00  9966.88
  .011563       0.       0.       0.        0        0        0      .00   328.13 10295.00


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.45  2327.45  2327.45      .00  2328.31      .86     7.23      .03  2324.40
    5307.     371.    4936.       0.      54.     659.       0.       7.       4.   2329.70
      .02     6.88     7.49      .00     .050     .048     .000     .000  2324.00  9947.39
  .030646     400.     420.     380.       20        5        0      .00   440.28 10387.67


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     2.85  2346.35      .00      .00  2346.95      .60    18.61      .03  2344.00
    5307.      35.    5272.       0.       8.     844.       0.      20.      12.   2346.00
      .05     4.60     6.24     1.27     .050     .048     .050     .000  2343.50  9573.54
  .020997     750.     740.     730.        7        0        0      .00   520.95 10117.63
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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

1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

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

1830.000	5.79	2361.69	2361.69	.00	2362.58	.89	12.81	.08	2362.20
5307.	256.	5050.	0.	340.	652.	0.	30.	18.	2361.20
.07	.75	7.74	1.95	.701	.048	.050	.000	2355.90	9390.36
.034947	500.	480.	480.	20	26	0	.00	607.71	10104.48

*SECNO 1940.000

3265 DIVIDED FLOW

1940.000	6.77	2376.87	.00	.00	2377.75	.88	15.17	.00	2374.80
5307.	2285.	3018.	4.	271.	443.	2.	42.	24.	2376.20
.09	8.42	6.81	2.03	.050	.048	.050	.000	2370.10	9609.96
.020309	580.	580.	580.	7	0	0	.00	347.87	10034.35

*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2050.000	3.29	2392.69	2392.69	.00	2393.58	.89	13.79	.00	2391.10
5307.	754.	4464.	89.	105.	585.	13.	51.	29.	2389.80
.11	7.16	7.63	7.00	.050	.048	.050	.000	2389.40	9606.26
.027901	590.	580.	600.	5	11	0	.00	396.34	10026.75

*SECNO 2140.000

3265 DIVIDED FLOW

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
 2140.000     4.89  2405.99  2405.99      .00  2407.40      1.41     12.10       .16  2404.60
    5307.      38.    5139.     130.      11.     535.       19.       58.       33.   2401.70
      .12     3.52     9.61     6.97     .050     .048      .050      .000   2401.10  9813.64
  .022970     470.     480.     470.        3       14         0       .00    206.17 10053.98


*SECNO 2250.000

3301 HV CHANGED MORE THAN HVINS

 2250.000     3.88  2417.88      .00      .00  2418.66       .79     11.20       .06  2423.50
    5307.       0.    5307.       0.       0.     745.        0.       67.       36.   2417.80
      .15      .00     7.12      .04     .000     .048      .050      .000   2414.00  9772.46
  .016546     450.     580.     500.        4        0         0       .00    311.07 10083.53


*SECNO 2370.000

 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2370.000     5.67  2436.47  2436.47      .00  2437.67      1.20     13.11       .12  2432.30
    5307.      79.    5228.       0.      12.     593.        0.       77.       40.   2438.50
      .17     6.86     8.82      .00     .050     .048      .000      .000   2430.80  9977.87
  .026955     630.     630.     630.       16       14         0       .00    264.41 10401.96


*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

 2450.000     4.21  2445.91      .00      .00  2446.54       .63      8.81       .06  2441.90
    5307.     264.    5007.      35.      32.     799.        8.       84.       44.   2443.30
      .18     8.26     6.27     4.35     .050     .048      .050      .000   2441.70  9978.03
  .016757     430.     420.     410.        6        0         0       .00    424.71 10402.75


*SECNO 2510.000
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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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
CONFLUENCE WITH GRAPEVINE WASH

2510.000	6.53	2453.33	2453.33	.00	2454.37	1.03	4.75	.12	2452.40
5307.	1.	775.	4531.	1.	178.	525.	89.	46.	2453.70
.19	1.78	4.35	8.63	.050	.048	.050	.000	2446.80	9934.18
.013541	330.	320.	310.	3	14	0	.00	312.90	10336.16

*SECNO 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
WEST BRAID ELIMINATED FROM RUN

2570.000	3.87	2463.37	2463.37	.00	2464.38	1.01	6.14	.00	2460.70
5307.	30.	5277.	0.	6.	654.	0.	94.	49.	2462.00
.21	5.41	8.06	.05	.050	.048	.050	.000	2459.50	9680.85
28366	310.	320.	330.	17	14	0	.00	344.29	10025.14

1490 NH CARD USED
*SECNO 2620.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2620.000	5.90	2471.30	2471.30	.00	2472.15	.85	3.98	.02	2470.70
5307.	476.	4787.	44.	74.	639.	11.	99.	51.	2466.60
.22	6.42	7.50	4.06	.041	.026	.050	.000	2465.40	9601.56
.009594	250.	260.	270.	3	14	0	.00	453.25	10054.81

1490 NH CARD USED
*SECNO 2690.000

3265 DIVIDED FLOW

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

2690.000	6.30	2481.60	2481.60	.00	2482.67	1.06	5.15	.07	2484.20
5307.	0.	4839.	468.	0.	579.	63.	104.	54.	2478.60
.23	.00	8.36	7.41	.000	.044	.050	.000	2475.30	9665.44
.021956	370.	370.	370.	20	8	0	.00	300.24	10052.52

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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 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50
 2760.000     2.82  2494.92  2494.92      .00  2495.68      .76     8.89      .03  2494.20
    2048.       1.     720.    1327.       0.      97.     196.     108.      56.   2494.10
      .24     2.42     7.40     6.77     .050     .048     .050     .000  2492.10  9918.49
  .030977     370.     370.     370.       20       18        0      .00   201.68 10120.17


*SECNO 2840.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2840.000     6.22  2509.12  2509.12      .00  2510.00      .88     9.46      .04  2505.80
    2048.      54.    1039.     955.      11.     113.     179.     111.      58.   2507.50
      .26     4.99     9.19     5.33     .050     .048     .050     .000  2502.90  9979.89
  .016725     410.     420.     430.        6       19        0      .00   148.16 10128.04


NO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     6.54  2518.14  2518.14      .00  2519.25     1.11     3.00      .07  2512.60
    2048.      58.    1362.     628.      16.     135.     196.     114.      59.   2514.10
      .27     3.62    10.10     3.21     .050     .035     .050     .000  2511.60  9982.80
  .005882     310.     320.     330.       20        8        0      .00   158.13 10140.93


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     5.43  2535.83  2535.83      .00  2536.98     1.15     4.10      .01  2530.40
    2048.     689.     958.     401.     110.      86.     103.     118.      61.   2531.30
      .29     6.25    11.15     3.91     .050     .035     .050     .000  2530.40  9956.45
  .008672     580.     580.     580.       20       12        0      .00   123.92 10080.37


*SECNO 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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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

3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
QT VALUES FROM CP 50A

3090.000	5.33	2549.03	2549.03	.00	2550.58	1.55	4.50	.12	2546.60
1334.	91.	1214.	29.	20.	117.	6.	120.	62.	2545.80
.30	4.48	10.39	4.73	.050	.045	.050	.000	2543.70	9965.34
.015602	420.	420.	420.	20	5	0	.00	51.79	10017.13

*SECNO 3160.000

3301 HV CHANGED MORE THAN HVINS

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

3160.000	6.95	2567.75	2567.75	.00	2569.99	2.23	5.61	.20	2562.40
1334.	133.	1085.	116.	23.	83.	19.	121.	62.	2562.90
.31	5.69	13.00	6.12	.055	.045	.055	.000	2560.80	9982.27
14742	360.	370.	390.	20	11	0	.00	29.96	10012.22

*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

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

3250.000	4.60	2592.50	2592.50	.00	2593.90	1.40	7.32	.08	2590.10
1334.	19.	1277.	38.	5.	132.	13.	123.	63.	2590.20
.33	3.52	9.69	3.05	.055	.045	.055	.000	2587.90	9968.73
.015774	480.	480.	480.	20	14	0	.00	65.12	10033.85

*SECNO 3320.000

3301 HV CHANGED MORE THAN HVINS

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

3320.000	4.95	2604.95	2604.95	.00	2606.90	1.95	6.12	.16	2600.00
1334.	93.	1153.	88.	16.	98.	15.	124.	63.	2600.80
.33	5.63	11.81	6.05	.055	.045	.055	.000	2600.00	9981.25
7371	380.	370.	360.	20	8	0	.00	35.24	10016.49

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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 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     6.73  2628.93  2628.93      .00  2631.04     2.11     8.37      .05  2624.80
    1334.     148.    1179.       7.      22.      97.       2.     125.      64.   2627.00
      .35     6.66    12.16     2.99     .055     .045     .055     .000  2622.20  9980.95
  .017489     480.     480.     480.       20       11        0      .00    30.96 10011.91


*SECNO 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3470.000     8.98  2648.98  2648.98      .00  2651.47     2.49     5.42      .11  2642.30
    1334.     193.    1001.     140.      29.      71.      23.     126.      64.   2643.50
      .35     6.62    14.15     6.02     .055     .045     .055     .000  2640.00  9982.09
  .016356     330.     320.     310.       20       11        0      .00    26.40 10008.49


 NO 3520.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3520.000     5.32  2665.62  2665.62      .00  2667.18     1.55     4.42      .09  2661.10
    1334.     673.     540.     120.      89.      42.      20.     127.      64.   2660.30
      .36     7.59    12.91     6.11     .055     .045     .055     .000  2660.30  9977.80
  .018335     240.     260.     280.       20       14        0      .00    47.00 10024.80


*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3590.000     7.65  2689.45  2689.45      .00  2691.93     2.48     6.30      .28  2684.00
    1334.      98.    1167.      70.      18.      87.      14.     128.      64.   2684.80
      .37     5.53    13.37     5.06     .055     .045     .055     .000  2681.80  9980.00
  .015678     380.     370.     360.       20       11        0      .00    25.91 10005.92
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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 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	7.39	2723.59	2723.59	.00	2725.79	2.20	6.98	.03	2716.20
1334.	278.	743.	313.	37.	51.	45.	130.	65.	2716.20
.38	7.56	14.57	6.98	.055	.045	.055	.000	2716.20	9984.44
.013513	480.	480.	480.	20	8	0	.00	27.81	10012.25

*SECNO 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3780.000	7.45	2759.05	2759.05	.00	2761.48	2.43	7.60	.07	2751.60
1334.	237.	955.	143.	35.	67.	24.	131.	65.	2753.20
.39	6.80	14.21	5.95	.055	.045	.055	.000	2751.60	9989.56
.015248	520.	530.	540.	20	5	0	.00	27.74	10017.31

*SECNO 3880.000

3301 HV CHANGED MORE THAN HVINS

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

3880.000	6.42	2808.52	2808.52	.00	2810.36	1.84	8.28	.06	2805.60
1334.	37.	1231.	66.	9.	109.	16.	133.	65.	2805.70
.41	4.11	11.28	4.20	.055	.045	.055	.000	2802.10	9981.67
.015966	550.	530.	510.	20	15	0	.00	40.81	10022.47

*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3940.000	7.22	2823.02	2823.02	.00	2824.91	1.88	4.12	.01	2818.20
1334.	185.	964.	185.	34.	77.	31.	134.	66.	2817.60
.41	5.46	12.46	5.94	.055	.045	.055	.000	2815.80	9973.32
.013590	270.	280.	290.	20	8	0	.00	38.11	10011.43

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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 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     7.08  2840.98  2840.98      .00  2842.90      1.92      4.15       .01  2839.80
    1334.       6.     1293.       35.       2.     115.       8.      134.       66.   2838.70
      .42     2.55     11.27     4.48     .055     .045     .055      .000  2833.90  9980.27
  .019011     270.      260.     250.       20        5        0       .00    37.32 10017.59


*SECNO 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM SUBWTRSHD H1F
    0.000     2.96  2863.76  2863.76      .00  2864.77      1.01      7.08       .09  2861.70
     352.      20.      306.      25.       6.      36.       7.      135.       66.   2861.60
      .43     3.68     8.53     3.82     .055     .045     .055      .000  2860.80  9980.43
  .019512     360.      370.     380.       20       18        0       .00    25.71 10006.14


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.94  2925.44  2925.44      .00  2926.12       .69     13.22       .03  2922.50
     352.      40.      307.       6.       8.      45.       2.      136.       67.   2924.30
      .46     5.22     6.86     2.94     .055     .045     .055      .000  2922.50  9963.63
  .026962     580.      580.     580.       20        6        0       .00    39.84 10003.47


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     3.34  2968.54  2968.54      .00  2969.25       .71     10.79       .01  2968.30
     352.       0.      314.      38.       0.      44.      13.      136.       67.   2967.60
      .48      .90     7.07     3.04     .055     .045     .055      .000  2965.20  9983.57
  .019037     500.      480.     460.       20        8        0       .00    41.33 10024.90
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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 4350.000

3301 HV CHANGED MORE THAN HVINS

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

4350.000	4.75	3043.55	3043.55	.00	3044.83	1.28	10.49	.17	3038.80
352.	52.	285.	15.	10.	29.	5.	137.	67.	3042.00
.50	5.24	9.81	3.21	.055	.045	.055	.000	3038.80	9986.62
.020602	530.	530.	530.	20	14	0	.00	19.49	10006.11

*SECNO 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4440.000	4.16	3136.96	3136.96	.00	3138.02	1.06	11.10	.02	3137.10
352.	0.	352.	0.	0.	43.	0.	137.	68.	3138.70
.51	.00	8.27	.00	.000	.045	.000	.000	3132.80	9988.68
.026153	480.	480.	480.	20	15	0	.00	20.48	10009.16

*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4530.000	4.59	3246.19	3246.19	.00	3247.46	1.27	14.05	.06	3241.60
352.	145.	207.	0.	19.	21.	0.	138.	68.	3246.10
.53	7.78	9.82	.05	.055	.045	.055	.000	3241.60	9982.88
.032967	480.	480.	480.	20	8	0	.00	17.26	10000.15

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   500-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              5                                                     2315.05

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



CCHV=     .100 CEHV=     .300
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT******************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     4.05  2315.05      .00  2315.05  2315.85      .80      .00      .00  2312.00
    6687.      20.    2535.    4132.       6.     299.     659.       0.       0.   2312.00
      .00     3.46     8.48     6.27     .048     .042     .048     .000  2311.00  9966.19
  .009904       0.       0.       0.        0        0        0      .00   356.31 10322.50


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.77  2327.77  2327.77      .00  2328.73      .96     6.27      .05  2324.40
    6687.     454.    6233.       0.      66.     788.       0.       8.       4.   2329.70
      .01     6.92     7.91      .00     .050     .048     .000     .000  2324.00  9943.72
  .027177     400.     420.     380.       20       12        0      .00   446.70 10390.43


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     3.04  2346.54      .00      .00  2347.30      .76    18.56      .02  2344.00
    6687.       45.    6641.       1.       9.     945.       0.      24.      12.   2346.00
      .04     5.10     7.03     1.80     .050     .048     .050     .000  2343.50  9573.01
  .023191     750.     740.     730.        5        0        0      .00   526.68 10118.09
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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


1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1830.000     6.16  2362.06  2362.06      .00  2362.96      .90    12.11      .04  2362.20
    6687.     366.     6320.       1.     415.     809.       1.      36.      19.   2361.20
      .06      .88      7.81     2.51     .546     .048     .050     .000  2355.90  9388.81
  .027458     500.      480.     480.       20       23        0      .00   652.05 10105.06


*SECNO 1940.000

3265 DIVIDED FLOW

 1940.000     6.96  2377.06  2377.06      .00  2378.22     1.16    15.18      .08  2374.80
    6687.    2822.     3856.       8.     294.     489.       3.      49.      25.   2376.20
      .08     9.59      7.88     2.67     .050     .048     .050     .000  2370.10  9609.24
  .024989     580.      580.     580.        9       11        0      .00   362.15 10035.95


*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2050.000     3.59  2392.99  2392.99      .00  2394.01     1.02    15.26      .01  2391.10
    6687.     972.     5599.     115.     124.     686.      15.      60.      30.   2389.80
      .10     7.83      8.17     7.64     .050     .048     .050     .000  2389.40  9605.13
  .027453     590.      580.     600.        5       11        0      .00   411.99 10027.03


*SECNO 2140.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2140.000     5.48  2406.58  2406.58      .00  2408.05     1.47    11.76      .13  2404.60
    6687.     104.     6404.     180.      21.     650.      24.      68.      34.   2401.70
      .11     4.91      9.85     7.45     .050     .048     .050     .000  2401.10  9810.74
  .022080     470.      480.     470.        3       14        0      .00   235.28 10055.18
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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 2250.000

3301 HV CHANGED MORE THAN HVINS

 2250.000     4.22  2418.22       .00       .00  2419.18       .95     11.07       .05  2423.50
    6687.       0.     6686.       1.        0.     853.        1.       79.       38.   2417.80
      .13      .00      7.83     1.36      .000     .048      .050      .000  2414.00  9771.31
  .016780     450.      580.     500.         5        0         0       .00   314.18 10085.49


*SECNO 2370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2370.000     6.12  2436.92  2436.92       .00  2438.23      1.31     13.01       .11  2432.30
    6687.     102.     6585.       0.       14.     714.        0.       90.       42.   2438.50
      .15     7.21      9.23      .00      .050     .048      .000      .000  2430.80  9977.27
  .026043     630.      630.     630.        17       14         0       .00   290.11 10405.01


*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

 2450.000     4.51  2446.21       .00       .00  2446.96       .75      8.67       .06  2441.90
    6687.     304.     6336.      47.       35.     920.       10.       98.       45.   2443.30
      .17     8.64      6.89     4.68      .050     .048      .050      .000  2441.70  9977.75
  .016745     430.      420.     410.         5        0         0       .00   425.71 10403.46


*SECNO 2510.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH GRAPEVINE WASH
 2510.000     6.82  2453.62  2453.62       .00  2454.87      1.25      5.17       .15  2452.40
    6687.       2.     1155.    5529.        1.     217.      578.      105.       48.   2453.70
      .18     2.32      5.34     9.57      .050     .048      .050      .000  2446.80  9933.81
  .015999     330.      320.     310.         3        11        0       .00   326.64 10336.62
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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 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          WEST BRAID ELIMINATED FROM RUN
 2570.000     4.20  2463.70  2463.70      .00  2464.87     1.17     6.59      .01  2460.70
    6687.      40.    6647.       0.       7.     766.       0.     111.      51.   2462.00
      .19     5.67     8.68      .93     .050     .048     .050     .000  2459.50  9680.34
  .026673     310.     320.     330.       16       14        0      .00   344.83 10025.17


1490 NH CARD USED
*SECNO 2620.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2620.000     6.12  2471.52  2471.52      .00  2472.56     1.04     4.37      .01  2470.70
    6687.     601.    6032.      55.      81.     729.      12.     115.      53.   2466.60
      .20     7.40     8.27     4.60     .041     .028     .050     .000  2465.40  9601.16
  .011596     250.     260.     270.        2       14        0      .00   453.87 10055.02


NH CARD USED
*SECNO 2690.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2690.000     6.79  2482.09  2482.09      .00  2483.15     1.06     6.02      .01  2484.20
    6687.       0.    5999.     688.       0.     731.      80.     122.      57.   2478.60
      .21      .00     8.20     8.64     .000     .045     .050     .000  2475.30  9660.69
  .024421     370.     370.     370.       20        8        0      .00   393.20 10055.39


*SECNO 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50
 2760.000     3.03  2495.13  2495.13      .00  2496.00      .87     9.52      .02  2494.20
    2512.       2.     874.    1636.       1.     111.     226.     127.      59.   2494.10
      .23     2.83     7.90     7.24     .050     .048     .050     .000  2492.10  9918.10
  .029790     370.     370.     370.       20       18        0      .00   202.36 10120.46
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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 2840.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2840.000     6.41  2509.31  2509.31      .00  2510.39     1.08    10.05      .06  2505.80
    2512.      67.    1214.    1231.      12.     119.     201.     130.      61.   2507.50
      .24     5.55    10.19     6.14     .050     .048     .050     .000  2502.90  9979.51
  .019189     410.     420.     430.        4       20        0      .00   148.87 10128.38


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     6.90  2518.50  2518.50      .00  2519.70     1.20     3.26      .04  2512.60
    2512.      70.    1548.     893.      18.     143.     241.     133.      62.   2514.10
      .25     3.87    10.79     3.70     .050     .035     .050     .000  2511.60  9982.43
  .006174     310.     320.     330.      20        8        0      .00   159.22 10141.65


 NO 3010.000
  20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     5.81  2536.21  2536.21      .00  2537.48     1.27     4.27      .02  2530.40
    2512.     832.    1104.     576.     123.      93.     130.     138.      64.   2531.30
      .27     6.74    11.90     4.44     .050     .035     .050     .000  2530.40  9955.75
  .008922     580.     580.     580.      20       12        0      .00   125.83 10081.58


*SECNO 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM CP 50A
 3090.000     5.89  2549.59  2549.59      .00  2551.22     1.63     4.44      .11  2546.60
    1639.     157.    1437.      44.      33.     133.       9.     141.      65.   2545.80
      .28     4.83    10.79     5.07     .050     .045     .050     .000  2543.70  9959.86
  .014142     420.     420.     420.      20        5        0      .00    58.10 10017.95


*SECNO 3160.000
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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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3160.000     7.68  2568.48  2568.48      .00  2570.94     2.46     5.26      .25  2562.40
    1639.     184.    1290.     166.      30.      93.      25.     142.      65.   2562.90
      .29     6.09    13.80     6.69     .055     .045     .055     .000  2560.80  9981.08
  .014288     360.     370.     390.       20       11        0      .00    32.07 10013.16


*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     .000     5.09  2592.99  2592.99      .00  2594.49     1.50     6.94      .10  2590.10
    1639.      30.    1521.      88.       8.     150.      25.     144.      66.   2590.20
      .30     3.84    10.16     3.56     .055     .045     .055     .000  2587.90  9967.82
  .014630     480.     480.     480.       20       14        0      .00    67.37 10035.19


*SECNO 3320.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3320.000     5.57  2605.57  2605.57      .00  2607.74     2.17     5.75      .20  2600.00
    1639.     124.    1393.     122.      21.     111.      19.     145.      66.   2600.80
      .31     5.93    12.56     6.41     .055     .045     .055     .000  2600.00  9980.42
  .016535     380.     370.     360.       20        8        0      .00    37.01 10017.44


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     7.40  2629.60  2629.60      .00  2631.95     2.35     7.98      .05  2624.80
    1639.     203.    1420.      16.      29.     110.       4.     147.      67.   2627.00
      .32     7.07    12.92     3.57     .055     .045     .055     .000  2622.20  9979.76
    6705      480.     480.     480.       20       11        0      .00    33.03 10012.79
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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 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470.000	9.83	2649.83	2649.83	.00	2652.52	2.69	5.22	.10	2642.30
1639.	261.	1175.	203.	37.	79.	31.	148.	67.	2643.50
.33	7.06	14.95	6.53	.055	.045	.055	.000	2640.00	9980.98
.015871	330.	320.	310.	20	11	0	.00	28.83	10009.81

*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

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

3520.000	5.80	2666.10	2666.10	.00	2667.84	1.74	4.35	.09	2661.10
1639.	858.	630.	151.	104.	46.	23.	149.	67.	2660.30
.34	8.29	13.73	6.48	.055	.045	.055	.000	2660.30	9977.09
18368	240.	260.	280.	20	14	0	.00	48.36	10025.45

*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

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

3590.000	8.44	2690.24	2690.24	.00	2693.00	2.76	6.22	.31	2684.00
1639.	139.	1396.	104.	23.	98.	19.	150.	67.	2684.80
.35	5.97	14.26	5.54	.055	.045	.055	.000	2681.80	9979.06
.015269	380.	370.	360.	20	14	0	.00	27.87	10006.92

*SECNO 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	8.05	2724.25	2724.25	.00	2726.75	2.49	7.00	.03	2716.20
1639.	353.	871.	415.	43.	56.	53.	152.	68.	2716.20
.36	8.28	15.67	7.77	.055	.045	.055	.000	2716.20	9984.07
.013945	480.	480.	480.	20	11	0	.00	29.44	10013.51

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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 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3780.000     8.11  2759.71  2759.71      .00  2762.53     2.82     7.88      .10  2751.60
    1639.     303.     1142.     194.     41.      74.     30.     154.      68.   2753.20
      .37     7.35     15.46     6.52    .055     .045    .055     .000  2751.60  9988.74
  .015903     520.      530.     540.      20        8       0      .00    29.49 10018.23


*SECNO 3880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3880.000     7.03  2809.13  2809.13      .00  2811.14     2.01     8.22      .08  2805.60
    1639.      60.     1471.     108.     13.     124.     23.     155.      69.   2805.70
      .38     4.54     11.91     4.66    .055     .045    .055     .000  2802.10  9980.36
  .015093     550.      530.     510.      20       15       0      .00    44.52 10024.88


*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3940.000     7.85  2823.65  2823.65      .00  2825.71     2.06     3.99      .01  2818.20
    1639.     255.     1127.     257.     43.      85.     39.     156.      69.   2817.60
      .39     5.89     13.22     6.64    .055     .045    .055     .000  2815.80  9971.49
  .013433     270.      280.     290.      20        8       0      .00    41.16 10012.65


*SECNO 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     7.70  2841.60  2841.60      .00  2843.70     2.10     3.97      .01  2839.80
    1639.      18.     1562.      59.      6.     132.     12.     157.      69.   2838.70
      .40     3.25     11.87     4.93    .055     .045    .055     .000  2833.90  9978.16
  .017569     270.      260.     250.      20        5       0      .00    40.88 10019.03
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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 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM SUBWTRSHD H1F
 4050.000     3.30  2864.10  2864.10      .00  2865.21     1.11     6.57      .10  2861.70
     433.      30.     367.      36.       7.      41.       9.     158.      69.   2861.60
      .41     3.96     9.02     4.10     .055     .045     .055     .000  2860.80  9979.55
  .018496     360.     370.     380.       20       14        0      .00    27.54 10007.09


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     3.12  2925.62  2925.62      .00  2926.43      .82    12.97      .03  2922.50
     433.      47.     377.       9.       9.      50.       3.     159.      70.   2924.30
      .43     5.49     7.51     3.28     .055     .045     .055     .000  2922.50  9963.31
  .027561     580.     580.     580.       20       11        0      .00    40.71 10004.02


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     3.57  2968.77  2968.77      .00  2969.56      .78    10.76      .00  2968.30
     433.       1.     373.      59.       1.      50.      17.     160.      70.   2967.60
      .45     1.40     7.52     3.56     .055     .045     .055     .000  2965.20  9982.10
  .018623     500.     480.     460.       20        8        0      .00    43.45 10025.55


*SECNO 4350.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4350.000     5.19  3043.99  3043.99      .00  3045.37     1.38    10.01      .18  3038.80
     433.      63.     341.      29.      12.      33.       8.     161.      71.   3042.00
      .47     5.35    10.32     3.65     .055     .045     .055     .000  3038.80  9986.24
  .019150     530.     530.     530.       20       14        0      .00    21.60 10007.83
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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 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4440.000	4.49	3137.29	3137.29	.00	3138.47	1.18	10.57	.02	3137.10
433.	0.	433.	0.	0.	50.	0.	161.	71.	3138.70
.48	.04	8.73	.00	.055	.045	.000	.000	3132.80	9988.03
.025608	480.	480.	480.	20	15	0	.00	21.87	10009.89

*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4530.000	5.01	3246.61	3246.61	.00	3248.00	1.39	13.25	.06	3241.60
433.	174.	259.	0.	22.	25.	0.	162.	71.	3246.10
.49	7.85	10.42	1.67	.055	.045	.055	.000	3241.60	9982.15
.029832	480.	480.	480.	20	8	0	.00	18.66	10000.80

THIS RUN EXECUTED 9/24/90 17: 4: 3

****
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

ROWE WASH

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	1520.000	2313.70	3033.00	2.70	2.52	6.75	5.17	4.54	1288.42	1740.03	287.12	114.00	.00
	1520.000	2314.31	4531.00	3.31	2.99	7.60	5.74	9.96	1821.99	2699.05	318.39	106.76	.00
	1520.000	2314.50	5307.00	3.50	3.28	8.24	6.19	12.80	2100.57	3193.63	328.13	115.63	.00
	1520.000	2315.05	6687.00	4.05	3.46	8.48	6.27	20.13	2534.85	4132.02	356.31	99.04	.00
*	1600.000	2326.94	3033.00	2.94	6.40	6.18	.00	238.74	2794.26	.00	429.89	339.42	13.24
*	1600.000	2327.29	4531.00	3.29	6.70	7.08	.00	324.26	4206.74	.00	437.05	312.26	12.98
*	1600.000	2327.45	5307.00	3.45	6.88	7.49	.00	370.63	4936.36	.00	440.28	306.46	12.95
*	1600.000	2327.77	6687.00	3.77	6.92	7.91	.00	454.31	6232.69	.00	446.70	271.77	12.72
	1740.000	2345.89	3033.00	2.39	3.84	4.92	.00	18.92	3014.08	.00	509.63	195.30	18.95
	1740.000	2346.20	4531.00	2.70	4.38	5.86	.04	29.15	4501.84	.00	516.61	207.36	18.91
	1740.000	2346.35	5307.00	2.85	4.60	6.24	1.27	34.88	5271.93	.18	520.95	209.97	18.90
	1740.000	2346.54	6687.00	3.04	5.10	7.03	1.80	45.33	6641.04	.63	526.68	231.91	18.77
*	1830.000	2361.20	3033.00	5.30	.45	6.48	.00	116.67	2916.33	.00	537.21	360.75	15.31
*	1830.000	2361.54	4531.00	5.64	.66	7.33	.06	207.22	4323.77	.01	589.53	354.38	15.34
*	1830.000	2361.69	5307.00	5.79	.75	7.74	1.95	256.38	5050.25	.37	607.71	349.47	15.34
*	1830.000	2362.06	6687.00	6.16	.88	7.81	2.51	365.66	6319.87	1.47	652.05	274.58	15.53
	1940.000	2376.15	3033.00	6.05	7.31	5.53	.00	1435.56	1597.44	.00	293.76	193.46	14.95
	1940.000	2376.65	4531.00	6.55	8.08	6.41	1.55	1999.30	2530.42	1.28	331.72	199.54	15.11
	1940.000	2376.87	5307.00	6.77	8.42	6.81	2.03	2284.86	3018.45	3.69	347.87	203.09	15.17
	1940.000	2377.06	6687.00	6.96	9.59	7.88	2.67	2822.40	3856.47	8.14	362.15	249.89	15.00
*	2050.000	2392.07	3033.00	2.67	5.84	6.65	5.71	393.07	2593.35	46.58	363.71	320.45	15.92
*	2050.000	2392.48	4531.00	3.08	6.83	7.41	6.69	629.22	3827.19	74.58	385.18	298.46	15.83
*	2050.000	2392.69	5307.00	3.29	7.16	7.63	7.00	754.06	4463.55	89.39	396.34	279.01	15.82
*	2050.000	2392.99	6687.00	3.59	7.83	8.17	7.64	972.44	5599.23	115.33	411.99	274.53	15.93
	2140.000	2404.75	3033.00	3.65	.82	8.76	5.61	.11	2979.90	52.99	142.64	234.32	12.69
*	2140.000	2405.62	4531.00	4.52	2.88	9.37	6.58	16.77	4411.79	102.44	186.27	230.58	13.15
*	2140.000	2405.99	5307.00	4.89	3.52	9.61	6.97	37.88	5139.37	129.75	206.17	229.70	13.30
*	2140.000	2406.58	6687.00	5.48	4.91	9.85	7.45	103.84	6403.52	179.64	235.28	220.80	13.59

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	2250.000	2417.14	3033.00	3.14	.00	5.86	.00	.00	3033.00	.00	301.96	175.08	12.38
	2250.000	2417.65	4531.00	3.65	.00	6.72	.00	.00	4531.00	.00	309.83	167.89	12.02
	2250.000	2417.88	5307.00	3.88	.00	7.12	.04	.00	5307.00	.00	311.07	165.46	11.89
	2250.000	2418.22	6687.00	4.22	.00	7.83	1.36	.00	6686.31	.69	314.18	167.80	11.64
*	2370.000	2435.53	3033.00	4.73	5.93	7.94	.00	41.13	2991.87	.00	204.11	282.87	18.40
*	2370.000	2436.20	4531.00	5.40	6.61	8.53	.00	66.49	4464.50	.00	248.40	274.26	18.55
*	2370.000	2436.47	5307.00	5.67	6.86	8.82	.00	79.17	5227.83	.00	264.41	269.55	18.60
*	2370.000	2436.92	6687.00	6.12	7.21	9.23	.00	102.03	6584.97	.00	290.11	260.43	18.69
	2450.000	2445.32	3033.00	3.62	7.59	5.04	3.74	196.95	2817.75	18.30	422.75	173.88	9.79
	2450.000	2445.72	4531.00	4.02	8.04	5.89	4.16	241.62	4260.12	29.25	424.10	168.66	9.53
	2450.000	2445.91	5307.00	4.21	8.26	6.27	4.35	264.22	5007.33	35.45	424.71	167.57	9.43
	2450.000	2446.21	6687.00	4.51	8.64	6.89	4.68	303.94	6335.80	47.26	425.71	167.45	9.29
*	2510.000	2452.29	3033.00	5.49	.00	2.32	8.12	.00	114.78	2918.22	235.69	141.82	6.96
*	2510.000	2453.02	4531.00	6.22	1.38	3.74	8.53	.35	510.75	4019.90	298.00	138.32	7.30
*	2510.000	2453.33	5307.00	6.53	1.78	4.35	8.63	1.01	774.57	4531.41	312.90	135.41	7.43
*	2510.000	2453.62	6687.00	6.82	2.32	5.34	9.57	2.25	1155.47	5529.28	326.64	159.99	7.42
*	2570.000	2462.73	3033.00	3.23	4.76	6.85	.05	15.30	3017.70	.00	319.77	315.40	10.45
*	2570.000	2463.18	4531.00	3.68	5.26	7.67	.05	25.04	4505.96	.00	343.96	296.72	10.15
*	2570.000	2463.37	5307.00	3.87	5.41	8.06	.05	30.04	5276.96	.00	344.29	283.66	10.04
*	2570.000	2463.70	6687.00	4.20	5.67	8.68	.93	39.63	6647.23	.14	344.83	266.73	10.08
*	2620.000	2470.27	3033.00	4.87	5.35	7.69	3.67	226.67	2782.02	24.30	236.46	109.13	7.54
*	2620.000	2470.90	4531.00	5.50	6.20	8.00	4.06	380.09	4114.02	36.89	314.60	108.20	7.73
*	2620.000	2471.30	5307.00	5.90	6.42	7.50	4.06	475.58	4787.45	43.97	453.25	95.94	7.93
*	2620.000	2471.52	6687.00	6.12	7.40	8.27	4.60	600.94	6031.50	54.55	453.87	115.96	7.82
*	2690.000	2480.29	3033.00	4.99	.00	8.66	3.91	.00	2932.28	100.72	158.76	147.07	10.01
*	2690.000	2481.26	4531.00	5.96	.00	8.47	6.31	.00	4200.33	330.67	242.64	188.51	10.36
*	2690.000	2481.60	5307.00	6.30	.00	8.36	7.41	.00	4838.54	468.46	300.24	219.56	10.30
*	2690.000	2482.09	6687.00	6.79	.00	8.20	8.64	.00	5998.65	688.35	393.20	244.21	10.57
*	2760.000	2494.54	1225.00	2.44	1.42	5.94	5.46	.15	440.53	784.32	200.48	287.57	14.25
*	2760.000	2494.79	1782.00	2.69	2.14	7.08	6.48	.67	630.91	1150.42	201.26	318.46	13.53
*	2760.000	2494.92	2048.00	2.82	2.42	7.40	6.77	1.14	719.78	1327.08	201.68	309.77	13.31
*	2760.000	2495.13	2512.00	3.03	2.83	7.90	7.24	2.25	873.65	1636.10	202.36	297.90	13.04
*	2840.000	2508.55	1225.00	5.65	4.18	7.80	3.84	31.13	743.79	450.07	146.05	150.92	14.01
*	2840.000	2508.92	1782.00	6.02	4.82	8.92	4.94	46.23	954.63	781.14	147.44	169.37	14.14
*	2840.000	2509.12	2048.00	6.22	4.99	9.19	5.33	53.86	1039.01	955.13	148.16	167.25	14.20
*	2840.000	2509.31	2512.00	6.41	5.55	10.19	6.14	67.06	1213.61	1231.33	148.87	191.89	14.17
*	2900.000	2517.34	1225.00	5.74	3.06	8.54	2.19	35.96	984.47	204.57	155.66	51.77	8.79
*	2900.000	2517.92	1782.00	6.32	3.45	9.63	2.89	51.14	1246.59	484.26	157.45	56.44	9.00
*	2900.000	2518.14	2048.00	6.54	3.62	10.10	3.21	58.22	1362.11	627.67	158.13	58.82	9.03
*	2900.000	2518.50	2512.00	6.90	3.87	10.79	3.70	70.44	1548.46	893.09	159.22	61.74	9.19

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3010.000	2534.93	1225.00	4.53	5.30	9.76	3.15	421.24	678.74	125.01	119.35	87.96	17.59
*	3010.000	2535.56	1782.00	5.16	6.01	10.81	3.61	605.72	875.79	300.49	122.53	88.30	17.63
*	3010.000	2535.83	2048.00	5.43	6.25	11.15	3.91	688.72	958.33	400.95	123.92	86.72	17.69
*	3010.000	2536.21	2512.00	5.81	6.74	11.90	4.44	831.58	1104.48	575.94	125.83	89.22	17.71
*	3090.000	2547.88	790.00	4.18	3.10	9.14	3.49	14.98	766.19	8.83	39.08	188.37	12.95
*	3090.000	2548.72	1158.00	5.02	4.16	9.93	4.39	62.14	1073.59	22.27	48.43	157.91	13.17
*	3090.000	2549.03	1334.00	5.33	4.48	10.39	4.73	90.57	1214.01	29.42	51.79	156.02	13.20
*	3090.000	2549.59	1639.00	5.89	4.83	10.79	5.07	157.27	1437.44	44.29	58.10	141.42	13.39
*	3160.000	2566.22	790.00	5.42	4.73	11.13	4.42	56.29	693.38	40.33	25.49	159.58	18.34
*	3160.000	2567.29	1158.00	6.49	5.43	12.49	5.71	105.85	962.43	89.72	28.61	151.37	18.57
*	3160.000	2567.75	1334.00	6.95	5.69	13.00	6.12	132.97	1084.67	116.36	29.96	147.42	18.73
*	3160.000	2568.48	1639.00	7.68	6.09	13.80	6.69	183.71	1289.78	165.51	32.07	142.88	18.89
*	3250.000	2591.35	790.00	3.45	2.65	8.71	2.25	3.87	781.58	4.55	43.40	213.00	25.13
*	3250.000	2592.03	1158.00	4.13	3.40	9.84	3.15	11.75	1126.77	19.48	48.03	196.69	24.74
*	3250.000	2592.50	1334.00	4.60	3.52	9.69	3.05	18.91	1276.73	38.36	65.12	157.74	24.75
*	3250.000	2592.99	1639.00	5.09	3.84	10.16	3.56	29.88	1521.11	88.01	67.37	146.30	24.51
*	3320.000	2603.70	790.00	3.70	4.91	10.06	5.11	45.22	707.31	37.47	31.64	194.83	12.35
*	3320.000	2604.58	1158.00	4.58	5.41	11.29	5.79	76.35	1010.96	70.69	34.18	178.10	12.56
*	3320.000	2604.95	1334.00	4.95	5.63	11.81	6.05	92.73	1152.80	88.47	35.24	173.71	12.45
*	3320.000	2605.57	1639.00	5.57	5.93	12.56	6.41	123.52	1393.15	122.33	37.01	165.35	12.57
*	3410.000	2627.50	790.00	5.30	5.69	10.51	1.31	62.24	727.55	.21	26.54	204.70	23.79
*	3410.000	2628.52	1158.00	6.32	6.38	11.66	2.58	118.50	1035.64	3.86	29.68	180.29	23.93
*	3410.000	2628.93	1334.00	6.73	6.66	12.16	2.99	148.12	1178.62	7.26	30.96	174.89	23.98
*	3410.000	2629.60	1639.00	7.40	7.07	12.92	3.57	203.45	1419.82	15.72	33.03	167.05	24.04
*	3470.000	2647.10	790.00	7.10	5.57	12.32	4.78	83.61	658.50	47.89	21.03	180.31	19.60
*	3470.000	2648.44	1158.00	8.44	6.32	13.62	5.68	155.18	895.63	107.19	24.85	167.10	19.92
*	3470.000	2648.98	1334.00	8.98	6.62	14.15	6.02	192.57	1001.28	140.15	26.40	163.56	20.05
*	3470.000	2649.83	1639.00	9.83	7.06	14.95	6.53	261.20	1174.88	202.92	28.83	158.71	20.23
*	3520.000	2664.66	790.00	4.36	5.93	10.93	5.24	352.50	368.19	69.30	44.21	175.82	17.57
*	3520.000	2665.33	1158.00	5.03	7.12	12.35	5.87	568.02	486.61	103.37	46.16	182.12	16.90
*	3520.000	2665.62	1334.00	5.32	7.59	12.91	6.11	673.34	540.23	120.43	47.00	183.35	16.64
*	3520.000	2666.10	1639.00	5.80	8.29	13.73	6.48	858.15	629.70	151.14	48.36	183.68	16.26
*	3590.000	2687.67	790.00	5.87	4.56	11.59	3.94	36.63	732.73	20.64	21.53	180.65	23.01
*	3590.000	2688.92	1158.00	7.12	5.26	12.86	4.75	75.91	1030.73	51.36	24.62	162.41	23.59
*	3590.000	2689.45	1334.00	7.65	5.53	13.37	5.06	97.79	1166.70	69.51	25.91	156.78	23.82
*	3590.000	2690.24	1639.00	8.44	5.97	14.26	5.54	138.59	1396.03	104.37	27.87	152.69	24.14
*	3680.000	2721.86	790.00	5.66	5.98	12.76	5.92	135.36	498.66	155.98	23.91	147.90	34.19
*	3680.000	2723.03	1158.00	6.83	7.23	14.26	6.62	231.70	672.48	253.81	26.48	143.83	34.11
*	3680.000	2723.59	1334.00	7.39	7.56	14.57	6.98	277.84	742.96	313.20	27.81	135.13	34.14
*	3680.000	2724.25	1639.00	8.05	8.28	15.67	7.77	353.01	870.73	415.26	29.44	139.45	34.01

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3780.000	2757.33	790.00	5.73	6.02	12.24	4.97	123.65	606.98	59.37	23.16	169.66	35.46
*	3780.000	2758.55	1158.00	6.95	6.56	13.62	5.67	198.63	845.60	113.76	26.41	155.73	35.52
*	3780.000	2759.05	1334.00	7.45	6.80	14.21	5.95	236.62	954.52	142.86	27.74	152.48	35.46
*	3780.000	2759.71	1639.00	8.11	7.35	15.46	6.52	302.77	1142.38	193.84	29.49	159.03	35.46
*	3880.000	2807.20	790.00	5.10	3.00	9.84	3.01	8.17	768.60	13.23	32.79	190.05	49.87
*	3880.000	2808.13	1158.00	6.03	3.82	10.87	3.89	26.08	1086.83	45.08	38.45	166.51	49.58
*	3880.000	2808.52	1334.00	6.42	4.11	11.28	4.20	37.39	1231.05	65.56	40.81	159.66	49.47
*	3880.000	2809.13	1639.00	7.03	4.54	11.91	4.66	60.37	1471.00	107.63	44.52	150.93	49.42
*	3940.000	2821.49	790.00	5.69	4.53	11.03	4.92	71.54	639.74	78.72	30.43	156.19	14.29
*	3940.000	2822.56	1158.00	6.76	5.24	12.13	5.54	145.49	868.14	144.38	35.85	142.91	14.43
*	3940.000	2823.02	1334.00	7.22	5.46	12.46	5.94	185.34	963.89	184.77	38.11	135.90	14.50
*	3940.000	2823.65	1639.00	7.85	5.89	13.22	6.64	255.29	1126.98	256.73	41.16	134.33	14.52
*	3980.000	2839.72	790.00	5.82	.00	9.76	3.12	.00	783.92	6.08	30.18	227.21	18.23
*	3980.000	2840.62	1158.00	6.72	2.03	10.80	4.13	2.31	1132.06	23.63	35.22	196.93	18.05
*	3980.000	2840.98	1334.00	7.08	2.55	11.27	4.48	6.07	1293.08	34.85	37.32	190.11	17.96
*	3980.000	2841.60	1639.00	7.70	3.25	11.87	4.93	17.95	1561.84	59.20	40.88	175.69	17.95
*	4050.000	2863.12	217.00	2.32	3.03	7.42	3.19	7.92	198.66	10.42	22.20	218.44	23.40
*	4050.000	2863.55	305.00	2.75	3.48	8.19	3.63	15.54	269.84	19.62	24.57	202.00	22.93
*	4050.000	2863.76	352.00	2.96	3.68	8.53	3.82	20.34	306.34	25.33	25.71	195.12	22.78
*	4050.000	2864.10	433.00	3.30	3.96	9.02	4.10	29.62	367.12	36.25	27.54	184.96	22.50
*	4160.000	2925.00	217.00	2.50	5.21	5.99	2.37	28.74	186.46	1.79	37.76	332.24	61.89
*	4160.000	2925.29	305.00	2.79	5.24	6.63	2.79	35.84	265.01	4.15	39.12	291.58	61.74
*	4160.000	2925.44	352.00	2.94	5.22	6.86	2.94	39.65	306.54	5.81	39.84	269.62	61.68
*	4160.000	2925.62	433.00	3.12	5.49	7.51	3.28	46.95	377.36	8.69	40.71	275.61	61.52
*	4250.000	2968.07	217.00	2.87	.00	6.17	1.67	.00	209.37	7.62	37.62	197.04	43.06
*	4250.000	2968.39	305.00	3.19	.04	6.78	2.67	.00	278.36	26.64	39.97	194.03	43.11
*	4250.000	2968.54	352.00	3.34	.90	7.07	3.04	.17	313.73	38.10	41.33	190.37	43.10
*	4250.000	2968.77	433.00	3.57	1.40	7.52	3.56	.99	372.73	59.28	43.45	186.23	43.16
*	4350.000	3042.67	217.00	3.87	5.06	8.73	2.02	33.21	182.02	1.76	15.21	253.64	74.60
*	4350.000	3043.29	305.00	4.49	5.11	9.40	2.88	45.36	250.17	9.47	18.23	211.95	74.90
*	4350.000	3043.55	352.00	4.75	5.24	9.81	3.21	51.97	284.79	15.24	19.49	206.02	75.01
*	4350.000	3043.99	433.00	5.19	5.35	10.32	3.65	63.41	341.08	28.51	21.60	191.50	75.22
*	4440.000	3136.22	217.00	3.42	.00	7.53	.00	.00	217.00	.00	16.84	281.95	93.55
*	4440.000	3136.72	305.00	3.92	.00	8.06	.00	.00	305.00	.00	19.30	269.23	93.43
*	4440.000	3136.96	352.00	4.16	.00	8.27	.00	.00	352.00	.00	20.48	261.53	93.40
*	4440.000	3137.29	433.00	4.49	.04	8.73	.00	.00	433.00	.00	21.87	256.08	93.30
*	4530.000	3245.45	217.00	3.85	6.89	8.57	.00	90.10	126.90	.00	14.50	326.74	109.23
*	4530.000	3246.00	305.00	4.40	7.40	9.21	.00	126.64	178.36	.00	16.58	315.50	109.28
*	4530.000	3246.19	352.00	4.59	7.78	9.82	.05	145.05	206.95	.00	17.26	329.67	109.23
*	4530.000	3246.61	433.00	5.01	7.85	10.42	1.67	173.98	258.68	.34	18.66	298.32	109.32

E WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	1520.000	.00	.00	.00	2311.00	3033.00	2313.70	.00	2314.24	114.00	6.75	529.04	284.07
	1520.000	.00	.00	.00	2311.00	4531.00	2314.31	.00	2314.98	106.76	7.60	713.76	438.52
	1520.000	.00	.00	.00	2311.00	5307.00	2314.50	.00	2315.28	115.63	8.24	775.16	493.54
	1520.000	.00	.00	.00	2311.00	6687.00	2315.05	.00	2315.85	99.04	8.48	963.39	671.92
*	1600.000	420.00	.00	.00	2324.00	3033.00	2326.94	2326.94	2327.54	339.42	6.18	489.32	164.63
*	1600.000	420.00	.00	.00	2324.00	4531.00	2327.29	2327.29	2328.06	312.26	7.08	642.67	256.41
*	1600.000	420.00	.00	.00	2324.00	5307.00	2327.45	2327.45	2328.31	306.46	7.49	712.60	303.15
*	1600.000	420.00	.00	.00	2324.00	6687.00	2327.77	2327.77	2328.73	271.77	7.91	853.25	405.63
	1740.000	740.00	.00	.00	2343.50	3033.00	2345.89	.00	2346.26	195.30	4.92	617.36	217.03
	1740.000	740.00	.00	.00	2343.50	4531.00	2346.20	.00	2346.73	207.36	5.86	775.36	314.65
	1740.000	740.00	.00	.00	2343.50	5307.00	2346.35	.00	2346.95	209.97	6.24	851.99	366.25
	1740.000	740.00	.00	.00	2343.50	6687.00	2346.54	.00	2347.30	231.91	7.03	953.92	439.11
*	1830.000	480.00	.00	.00	2355.90	3033.00	2361.20	2361.20	2361.83	360.75	6.48	708.29	159.69
*	1830.000	480.00	.00	.00	2355.90	4531.00	2361.54	2361.54	2362.34	354.38	7.33	902.60	240.69
*	1830.000	480.00	.00	.00	2355.90	5307.00	2361.69	2361.69	2362.58	349.47	7.74	992.33	283.88
	1830.000	480.00	.00	.00	2355.90	6687.00	2362.06	2362.06	2362.96	274.58	7.81	1225.36	403.55
	1940.000	580.00	.00	.00	2370.10	3033.00	2376.15	.00	2376.79	193.46	5.53	485.35	218.06
	1940.000	580.00	.00	.00	2370.10	4531.00	2376.65	.00	2377.45	199.54	6.41	642.88	320.76
	1940.000	580.00	.00	.00	2370.10	5307.00	2376.87	.00	2377.75	203.09	6.81	716.71	372.39
	1940.000	580.00	.00	.00	2370.10	6687.00	2377.06	2377.06	2378.22	249.89	7.88	786.42	423.02
*	2050.000	580.00	.00	.00	2389.40	3033.00	2392.07	2392.07	2392.73	320.45	6.65	465.72	169.43
*	2050.000	580.00	.00	.00	2389.40	4531.00	2392.48	2392.48	2393.31	298.46	7.41	619.85	262.27
*	2050.000	580.00	.00	.00	2389.40	5307.00	2392.69	2392.69	2393.58	279.01	7.63	703.51	317.71
*	2050.000	580.00	.00	.00	2389.40	6687.00	2392.99	2392.99	2394.01	274.53	8.17	824.78	403.59
	2140.000	480.00	.00	.00	2401.10	3033.00	2404.75	2404.70	2405.93	234.32	8.76	349.59	198.14
*	2140.000	480.00	.00	.00	2401.10	4531.00	2405.62	2405.62	2406.97	230.58	9.37	492.41	298.39
*	2140.000	480.00	.00	.00	2401.10	5307.00	2405.99	2405.99	2407.40	229.70	9.61	564.30	350.16
*	2140.000	480.00	.00	.00	2401.10	6687.00	2406.58	2406.58	2408.05	220.80	9.85	695.53	450.02
	2250.000	580.00	.00	.00	2414.00	3033.00	2417.14	.00	2417.67	175.08	5.86	517.49	229.22
	2250.000	580.00	.00	.00	2414.00	4531.00	2417.65	.00	2418.35	167.89	6.72	673.79	349.68
	2250.000	580.00	.00	.00	2414.00	5307.00	2417.88	.00	2418.66	165.46	7.12	745.01	412.57
	2250.000	580.00	.00	.00	2414.00	6687.00	2418.22	.00	2419.18	167.80	7.83	854.00	516.23
*	2370.000	630.00	.00	.00	2430.80	3033.00	2435.53	2435.53	2436.51	282.87	7.94	383.73	180.33
*	2370.000	630.00	.00	.00	2430.80	4531.00	2436.20	2436.20	2437.32	274.26	8.53	533.21	273.60
*	2370.000	630.00	.00	.00	2430.80	5307.00	2436.47	2436.47	2437.67	269.55	8.82	604.26	323.25
	2370.000	630.00	.00	.00	2430.80	6687.00	2436.92	2436.92	2438.23	260.43	9.23	727.93	414.37

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	2450.000	420.00	.00	.00	2441.70	3033.00	2445.32	.00	2445.75	173.88	5.04	590.15	230.01
	2450.000	420.00	.00	.00	2441.70	4531.00	2445.72	.00	2446.28	168.66	5.89	760.40	348.89
	2450.000	420.00	.00	.00	2441.70	5307.00	2445.91	.00	2446.54	167.57	6.27	838.63	409.96
	2450.000	420.00	.00	.00	2441.70	6687.00	2446.21	.00	2446.96	167.45	6.89	965.07	516.76
*	2510.000	320.00	.00	.00	2446.80	3033.00	2452.29	2452.29	2453.27	141.82	2.32	408.96	254.68
*	2510.000	320.00	.00	.00	2446.80	4531.00	2453.02	2453.02	2454.05	138.32	3.74	608.38	385.26
*	2510.000	320.00	.00	.00	2446.80	5307.00	2453.33	2453.33	2454.37	135.41	4.35	703.39	456.06
*	2510.000	320.00	.00	.00	2446.80	6687.00	2453.62	2453.62	2454.87	159.99	5.34	795.04	528.67
*	2570.000	320.00	.00	.00	2459.50	3033.00	2462.73	2462.73	2463.46	315.40	6.85	443.80	170.78
*	2570.000	320.00	.00	.00	2459.50	4531.00	2463.18	2463.18	2464.09	296.72	7.67	592.10	263.04
*	2570.000	320.00	.00	.00	2459.50	5307.00	2463.37	2463.37	2464.38	283.66	8.06	660.07	315.10
*	2570.000	320.00	.00	.00	2459.50	6687.00	2463.70	2463.70	2464.87	266.73	8.68	772.79	409.45
*	2620.000	260.00	.00	.00	2465.40	3033.00	2470.27	2470.27	2471.15	109.13	7.69	410.59	290.33
*	2620.000	260.00	.00	.00	2465.40	4531.00	2470.90	2470.90	2471.86	108.20	8.00	584.67	435.59
*	2620.000	260.00	.00	.00	2465.40	5307.00	2471.30	2471.30	2472.15	95.94	7.50	723.50	541.80
*	2620.000	260.00	.00	.00	2465.40	6687.00	2471.52	2471.52	2472.56	115.96	8.27	822.50	620.98
*	2690.000	370.00	.00	.00	2475.30	3033.00	2480.29	2480.29	2481.42	147.07	8.66	364.27	250.10
*	2690.000	370.00	.00	.00	2475.30	4531.00	2481.26	2481.26	2482.34	188.51	8.47	548.13	330.01
*	2690.000	370.00	.00	.00	2475.30	5307.00	2481.60	2481.60	2482.67	219.56	8.36	642.06	358.16
*	2690.000	370.00	.00	.00	2475.30	6687.00	2482.09	2482.09	2483.15	244.21	8.20	810.85	427.91
*	2760.000	370.00	.00	.00	2492.10	1225.00	2494.54	2494.54	2495.03	287.57	5.94	217.85	72.24
*	2760.000	370.00	.00	.00	2492.10	1782.00	2494.79	2494.79	2495.48	318.46	7.08	267.09	99.86
*	2760.000	370.00	.00	.00	2492.10	2048.00	2494.92	2494.92	2495.68	309.77	7.40	293.80	116.36
*	2760.000	370.00	.00	.00	2492.10	2512.00	2495.13	2495.13	2496.00	297.90	7.90	337.49	145.54
*	2840.000	420.00	.00	.00	2502.90	1225.00	2508.55	2508.55	2509.22	150.92	7.80	220.18	99.72
*	2840.000	420.00	.00	.00	2502.90	1782.00	2508.92	2508.92	2509.76	169.37	8.92	274.74	136.93
*	2840.000	420.00	.00	.00	2502.90	2048.00	2509.12	2509.12	2510.00	167.25	9.19	303.10	158.36
*	2840.000	420.00	.00	.00	2502.90	2512.00	2509.31	2509.31	2510.39	191.89	10.19	331.71	181.34
*	2900.000	320.00	.00	.00	2511.60	1225.00	2517.34	2517.34	2518.27	51.77	8.54	220.38	170.25
*	2900.000	320.00	.00	.00	2511.60	1782.00	2517.92	2517.92	2518.97	56.44	9.63	311.50	237.21
*	2900.000	320.00	.00	.00	2511.60	2048.00	2518.14	2518.14	2519.25	58.82	10.10	346.48	267.04
*	2900.000	320.00	.00	.00	2511.60	2512.00	2518.50	2518.50	2519.70	61.74	10.79	403.11	319.69
*	3010.000	580.00	.00	.00	2530.40	1225.00	2534.93	2534.93	2535.91	87.96	9.76	188.75	130.61
*	3010.000	580.00	.00	.00	2530.40	1782.00	2535.56	2535.56	2536.67	88.30	10.81	264.96	189.64
*	3010.000	580.00	.00	.00	2530.40	2048.00	2535.83	2535.83	2536.98	86.72	11.15	298.72	219.92
*	3010.000	580.00	.00	.00	2530.40	2512.00	2536.21	2536.21	2537.48	89.22	11.90	345.94	265.94
*	3090.000	420.00	.00	.00	2543.70	790.00	2547.88	2547.88	2549.14	188.37	9.14	91.15	57.56
*	3090.000	420.00	.00	.00	2543.70	1158.00	2548.72	2548.72	2550.16	157.91	9.93	128.16	92.15
*	3090.000	420.00	.00	.00	2543.70	1334.00	2549.03	2549.03	2550.58	156.02	10.39	143.29	106.80
*	3090.000	420.00	.00	.00	2543.70	1639.00	2549.59	2549.59	2551.22	141.42	10.79	174.46	137.82

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3160.000	370.00	.00	.00	2560.80	790.00	2566.22	2566.22	2567.95	159.58	11.13	83.36	62.54
*	3160.000	370.00	.00	.00	2560.80	1158.00	2567.29	2567.29	2569.38	151.37	12.49	112.29	94.12
*	3160.000	370.00	.00	.00	2560.80	1334.00	2567.75	2567.75	2569.99	147.42	13.00	125.85	109.87
*	3160.000	370.00	.00	.00	2560.80	1639.00	2568.48	2568.48	2570.94	142.88	13.80	148.36	137.12
*	3250.000	480.00	.00	.00	2587.90	790.00	2591.35	2591.35	2592.52	213.00	8.71	93.21	54.13
*	3250.000	480.00	.00	.00	2587.90	1158.00	2592.03	2592.03	2593.50	196.69	9.84	124.09	82.57
*	3250.000	480.00	.00	.00	2587.90	1334.00	2592.50	2592.50	2593.90	157.74	9.69	149.77	106.21
*	3250.000	480.00	.00	.00	2587.90	1639.00	2592.99	2592.99	2594.49	146.30	10.16	182.26	135.51
*	3320.000	370.00	.00	.00	2600.00	790.00	2603.70	2603.70	2605.15	194.83	10.06	86.87	56.60
*	3320.000	370.00	.00	.00	2600.00	1158.00	2604.58	2604.58	2606.38	178.10	11.29	115.83	86.77
*	3320.000	370.00	.00	.00	2600.00	1334.00	2604.95	2604.95	2606.90	173.71	11.81	128.67	101.21
*	3320.000	370.00	.00	.00	2600.00	1639.00	2605.57	2605.57	2607.74	165.35	12.56	150.83	127.46
*	3410.000	480.00	.00	.00	2622.20	790.00	2627.50	2627.50	2629.12	204.70	10.51	80.31	55.22
*	3410.000	480.00	.00	.00	2622.20	1158.00	2628.52	2628.52	2630.47	180.29	11.66	108.92	86.24
*	3410.000	480.00	.00	.00	2622.20	1334.00	2628.93	2628.93	2631.04	174.89	12.16	121.57	100.87
*	3410.000	480.00	.00	.00	2622.20	1639.00	2629.60	2629.60	2631.95	167.05	12.92	143.04	126.81
*	3470.000	320.00	.00	.00	2640.00	790.00	2647.10	2647.10	2649.13	180.31	12.32	78.48	58.83
*	3470.000	320.00	.00	.00	2640.00	1158.00	2648.44	2648.44	2650.79	167.10	13.62	109.20	89.58
*	3470.000	320.00	.00	.00	2640.00	1334.00	2648.98	2648.98	2651.47	163.56	14.15	123.14	104.31
*	3470.000	320.00	.00	.00	2640.00	1639.00	2649.83	2649.83	2652.52	158.71	14.95	146.65	130.10
*	3520.000	260.00	.00	.00	2660.30	790.00	2664.66	2664.66	2665.81	175.82	10.93	106.37	59.58
*	3520.000	260.00	.00	.00	2660.30	1158.00	2665.33	2665.33	2666.76	182.12	12.35	136.75	85.81
*	3520.000	260.00	.00	.00	2660.30	1334.00	2665.62	2665.62	2667.18	183.35	12.91	150.26	98.52
*	3520.000	260.00	.00	.00	2660.30	1639.00	2666.10	2666.10	2667.84	183.68	13.73	172.74	120.93
*	3590.000	370.00	.00	.00	2681.80	790.00	2687.67	2687.67	2689.63	180.65	11.59	76.53	58.78
*	3590.000	370.00	.00	.00	2681.80	1158.00	2688.92	2688.92	2691.25	162.41	12.86	105.39	90.87
*	3590.000	370.00	.00	.00	2681.80	1334.00	2689.45	2689.45	2691.93	156.78	13.37	118.68	106.54
*	3590.000	370.00	.00	.00	2681.80	1639.00	2690.24	2690.24	2693.00	152.69	14.26	139.98	132.64
*	3680.000	480.00	.00	.00	2716.20	790.00	2721.86	2721.86	2723.66	147.90	12.76	88.06	64.96
*	3680.000	480.00	.00	.00	2716.20	1158.00	2723.03	2723.03	2725.18	143.83	14.26	117.53	96.56
*	3680.000	480.00	.00	.00	2716.20	1334.00	2723.59	2723.59	2725.79	135.13	14.57	132.68	114.76
*	3680.000	480.00	.00	.00	2716.20	1639.00	2724.25	2724.25	2726.75	139.45	15.67	151.63	138.80
*	3780.000	530.00	.00	.00	2751.60	790.00	2757.33	2757.33	2759.23	169.66	12.24	82.07	60.65
*	3780.000	530.00	.00	.00	2751.60	1158.00	2758.55	2758.55	2760.82	155.73	13.62	112.42	92.79
*	3780.000	530.00	.00	.00	2751.60	1334.00	2759.05	2759.05	2761.48	152.48	14.21	125.97	108.03
*	3780.000	530.00	.00	.00	2751.60	1639.00	2759.71	2759.71	2762.53	159.03	15.46	144.79	129.97
*	3880.000	530.00	.00	.00	2802.10	790.00	2807.20	2807.20	2808.66	190.05	9.84	85.19	57.31
*	3880.000	530.00	.00	.00	2802.10	1158.00	2808.13	2808.13	2809.87	166.51	10.87	118.43	89.74
*	3880.000	530.00	.00	.00	2802.10	1334.00	2808.52	2808.52	2810.36	159.66	11.28	133.83	105.57
*	3880.000	530.00	.00	.00	2802.10	1639.00	2809.13	2809.13	2811.14	150.93	11.91	159.91	133.41

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3940.000	280.00	.00	.00	2815.80	790.00	2821.49	2821.49	2823.08	156.19	11.03	89.80	63.21
*	3940.000	280.00	.00	.00	2815.80	1158.00	2822.56	2822.56	2824.39	142.91	12.13	125.43	96.87
*	3940.000	280.00	.00	.00	2815.80	1334.00	2823.02	2823.02	2824.91	135.90	12.46	142.44	114.43
*	3940.000	280.00	.00	.00	2815.80	1639.00	2823.65	2823.65	2825.71	134.33	13.22	167.30	141.41
*	3980.000	260.00	.00	.00	2833.90	790.00	2839.72	2839.72	2841.18	227.21	9.76	82.30	52.41
*	3980.000	260.00	.00	.00	2833.90	1158.00	2840.62	2840.62	2842.39	196.93	10.80	111.67	82.52
*	3980.000	260.00	.00	.00	2833.90	1334.00	2840.98	2840.98	2842.90	190.11	11.27	124.89	96.75
*	3980.000	260.00	.00	.00	2833.90	1639.00	2841.60	2841.60	2843.70	175.69	11.87	149.10	123.65
*	4050.000	370.00	.00	.00	2860.80	217.00	2863.12	2863.12	2863.91	218.44	7.42	32.67	14.68
*	4050.000	370.00	.00	.00	2860.80	305.00	2863.55	2863.55	2864.49	202.00	8.19	42.82	21.46
*	4050.000	370.00	.00	.00	2860.80	352.00	2863.76	2863.76	2864.77	195.12	8.53	48.09	25.20
*	4050.000	370.00	.00	.00	2860.80	433.00	2864.10	2864.10	2865.21	184.96	9.02	57.04	31.84
*	4160.000	580.00	.00	.00	2922.50	217.00	2925.00	2925.00	2925.54	332.24	5.99	37.40	11.91
*	4160.000	580.00	.00	.00	2922.50	305.00	2925.29	2925.29	2925.93	291.58	6.63	48.29	17.86
*	4160.000	580.00	.00	.00	2922.50	352.00	2925.44	2925.44	2926.12	269.62	6.86	54.22	21.44
*	4160.000	580.00	.00	.00	2922.50	433.00	2925.62	2925.62	2926.43	275.61	7.51	61.45	26.08
*	4250.000	480.00	.00	.00	2965.20	217.00	2968.07	2968.07	2968.64	197.04	6.17	38.52	15.46
*	4250.000	480.00	.00	.00	2965.20	305.00	2968.39	2968.39	2969.05	194.03	6.78	51.08	21.90
*	4250.000	480.00	.00	.00	2965.20	352.00	2968.54	2968.54	2969.25	190.37	7.07	57.11	25.51
*	4250.000	480.00	.00	.00	2965.20	433.00	2968.77	2968.77	2969.56	186.23	7.52	66.92	31.73
*	4350.000	530.00	.00	.00	3038.80	217.00	3042.67	3042.67	3043.72	253.64	8.73	28.28	13.63
*	4350.000	530.00	.00	.00	3038.80	305.00	3043.29	3043.29	3044.48	211.95	9.40	38.78	20.95
*	4350.000	530.00	.00	.00	3038.80	352.00	3043.55	3043.55	3044.83	206.02	9.81	43.69	24.52
*	4350.000	530.00	.00	.00	3038.80	433.00	3043.99	3043.99	3045.37	191.50	10.32	52.70	31.29
*	4440.000	480.00	.00	.00	3132.80	217.00	3136.22	3136.22	3137.10	281.95	7.53	28.81	12.92
*	4440.000	480.00	.00	.00	3132.80	305.00	3136.72	3136.72	3137.73	269.23	8.06	37.83	18.59
*	4440.000	480.00	.00	.00	3132.80	352.00	3136.96	3136.96	3138.02	261.53	8.27	42.59	21.77
*	4440.000	480.00	.00	.00	3132.80	433.00	3137.29	3137.29	3138.47	256.08	8.73	49.60	27.06
*	4530.000	480.00	.00	.00	3241.60	217.00	3245.45	3245.45	3246.42	326.74	8.57	27.89	12.00
*	4530.000	480.00	.00	.00	3241.60	305.00	3246.00	3246.00	3247.12	315.50	9.21	36.48	17.17
*	4530.000	480.00	.00	.00	3241.60	352.00	3246.19	3246.19	3247.46	329.67	9.82	39.72	19.39
*	4530.000	480.00	.00	.00	3241.60	433.00	3246.61	3246.61	3248.00	298.32	10.42	47.21	25.07

WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1520.000	3033.00	2313.70	.00	.00	.00	287.12	.00
	1520.000	4531.00	2314.31	.61	.00	.00	318.39	.00
	1520.000	5307.00	2314.50	.19	.00	.00	328.13	.00
	1520.000	6687.00	2315.05	.55	.00	.00	356.31	.00
*	1600.000	3033.00	2326.94	.00	13.24	.00	429.89	420.00
*	1600.000	4531.00	2327.29	.35	12.98	.00	437.05	420.00
*	1600.000	5307.00	2327.45	.16	12.95	.00	440.28	420.00
*	1600.000	6687.00	2327.77	.32	12.72	.00	446.70	420.00
	1740.000	3033.00	2345.89	.00	18.95	.00	509.63	740.00
	1740.000	4531.00	2346.20	.32	18.91	.00	516.61	740.00
	1740.000	5307.00	2346.35	.15	18.90	.00	520.95	740.00
	1740.000	6687.00	2346.54	.19	18.77	.00	526.68	740.00
*	1830.000	3033.00	2361.20	.00	15.31	.00	537.21	480.00
*	1830.000	4531.00	2361.54	.34	15.34	.00	589.53	480.00
*	1830.000	5307.00	2361.69	.15	15.34	.00	607.71	480.00
	1830.000	6687.00	2362.06	.37	15.53	.00	652.05	480.00
	1940.000	3033.00	2376.15	.00	14.95	.00	293.76	580.00
	1940.000	4531.00	2376.65	.50	15.11	.00	331.72	580.00
	1940.000	5307.00	2376.87	.22	15.17	.00	347.87	580.00
	1940.000	6687.00	2377.06	.19	15.00	.00	362.15	580.00
*	2050.000	3033.00	2392.07	.00	15.92	.00	363.71	580.00
*	2050.000	4531.00	2392.48	.41	15.83	.00	385.18	580.00
*	2050.000	5307.00	2392.69	.21	15.82	.00	396.34	580.00
*	2050.000	6687.00	2392.99	.30	15.93	.00	411.99	580.00
	2140.000	3033.00	2404.75	.00	12.69	.00	142.64	480.00
*	2140.000	4531.00	2405.62	.87	13.15	.00	186.27	480.00
*	2140.000	5307.00	2405.99	.37	13.30	.00	206.17	480.00
*	2140.000	6687.00	2406.58	.59	13.59	.00	235.28	480.00
	2250.000	3033.00	2417.14	.00	12.38	.00	301.96	580.00
	2250.000	4531.00	2417.65	.51	12.02	.00	309.83	580.00
	2250.000	5307.00	2417.88	.23	11.89	.00	311.07	580.00
	2250.000	6687.00	2418.22	.35	11.64	.00	314.18	580.00
*	2370.000	3033.00	2435.53	.00	18.40	.00	204.11	630.00
*	2370.000	4531.00	2436.20	.66	18.55	.00	248.40	630.00
*	2370.000	5307.00	2436.47	.28	18.60	.00	264.41	630.00
	2370.000	6687.00	2436.92	.45	18.69	.00	290.11	630.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	2450.000	3033.00	2445.32	.00	9.79	.00	422.75	420.00
	2450.000	4531.00	2445.72	.40	9.53	.00	424.10	420.00
	2450.000	5307.00	2445.91	.19	9.43	.00	424.71	420.00
	2450.000	6687.00	2446.21	.30	9.29	.00	425.71	420.00
*	2510.000	3033.00	2452.29	.00	6.96	.00	235.69	320.00
*	2510.000	4531.00	2453.02	.74	7.30	.00	298.00	320.00
*	2510.000	5307.00	2453.33	.31	7.43	.00	312.90	320.00
*	2510.000	6687.00	2453.62	.29	7.42	.00	326.64	320.00
*	2570.000	3033.00	2462.73	.00	10.45	.00	319.77	320.00
*	2570.000	4531.00	2463.18	.44	10.15	.00	343.96	320.00
*	2570.000	5307.00	2463.37	.20	10.04	.00	344.29	320.00
*	2570.000	6687.00	2463.70	.33	10.08	.00	344.83	320.00
*	2620.000	3033.00	2470.27	.00	7.54	.00	236.46	260.00
*	2620.000	4531.00	2470.90	.63	7.73	.00	314.60	260.00
*	2620.000	5307.00	2471.30	.40	7.93	.00	453.25	260.00
*	2620.000	6687.00	2471.52	.22	7.82	.00	453.87	260.00
*	2690.000	3033.00	2480.29	.00	10.01	.00	158.76	370.00
*	2690.000	4531.00	2481.26	.97	10.36	.00	242.64	370.00
*	2690.000	5307.00	2481.60	.34	10.30	.00	300.24	370.00
	2690.000	6687.00	2482.09	.49	10.57	.00	393.20	370.00
*	2760.000	1225.00	2494.54	.00	14.25	.00	200.48	370.00
*	2760.000	1782.00	2494.79	.25	13.53	.00	201.26	370.00
*	2760.000	2048.00	2494.92	.13	13.31	.00	201.68	370.00
*	2760.000	2512.00	2495.13	.22	13.04	.00	202.36	370.00
*	2840.000	1225.00	2508.55	.00	14.01	.00	146.05	420.00
*	2840.000	1782.00	2508.92	.37	14.14	.00	147.44	420.00
*	2840.000	2048.00	2509.12	.19	14.20	.00	148.16	420.00
*	2840.000	2512.00	2509.31	.19	14.17	.00	148.87	420.00
*	2900.000	1225.00	2517.34	.00	8.79	.00	155.66	320.00
*	2900.000	1782.00	2517.92	.58	9.00	.00	157.45	320.00
*	2900.000	2048.00	2518.14	.22	9.03	.00	158.13	320.00
*	2900.000	2512.00	2518.50	.36	9.19	.00	159.22	320.00
*	3010.000	1225.00	2534.93	.00	17.59	.00	119.35	580.00
*	3010.000	1782.00	2535.56	.63	17.63	.00	122.53	580.00
*	3010.000	2048.00	2535.83	.27	17.69	.00	123.92	580.00
*	3010.000	2512.00	2536.21	.38	17.71	.00	125.83	580.00
*	3090.000	790.00	2547.88	.00	12.95	.00	39.08	420.00
*	3090.000	1158.00	2548.72	.85	13.17	.00	48.43	420.00
*	3090.000	1334.00	2549.03	.30	13.20	.00	51.79	420.00
	3090.000	1639.00	2549.59	.57	13.39	.00	58.10	420.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3160.000	790.00	2566.22	.00	18.34	.00	25.49	370.00
*	3160.000	1158.00	2567.29	1.07	18.57	.00	28.61	370.00
*	3160.000	1334.00	2567.75	.46	18.73	.00	29.96	370.00
*	3160.000	1639.00	2568.48	.73	18.89	.00	32.07	370.00
*	3250.000	790.00	2591.35	.00	25.13	.00	43.40	480.00
*	3250.000	1158.00	2592.03	.68	24.74	.00	48.03	480.00
*	3250.000	1334.00	2592.50	.47	24.75	.00	65.12	480.00
*	3250.000	1639.00	2592.99	.49	24.51	.00	67.37	480.00
*	3320.000	790.00	2603.70	.00	12.35	.00	31.64	370.00
*	3320.000	1158.00	2604.58	.88	12.56	.00	34.18	370.00
*	3320.000	1334.00	2604.95	.37	12.45	.00	35.24	370.00
*	3320.000	1639.00	2605.57	.61	12.57	.00	37.01	370.00
*	3410.000	790.00	2627.50	.00	23.79	.00	26.54	480.00
*	3410.000	1158.00	2628.52	1.02	23.93	.00	29.68	480.00
*	3410.000	1334.00	2628.93	.42	23.98	.00	30.96	480.00
*	3410.000	1639.00	2629.60	.67	24.04	.00	33.03	480.00
*	3470.000	790.00	2647.10	.00	19.60	.00	21.03	320.00
*	3470.000	1158.00	2648.44	1.34	19.92	.00	24.85	320.00
*	3470.000	1334.00	2648.98	.54	20.05	.00	26.40	320.00
*	3470.000	1639.00	2649.83	.85	20.23	.00	28.83	320.00
*	3520.000	790.00	2664.66	.00	17.57	.00	44.21	260.00
*	3520.000	1158.00	2665.33	.67	16.90	.00	46.16	260.00
*	3520.000	1334.00	2665.62	.29	16.64	.00	47.00	260.00
*	3520.000	1639.00	2666.10	.47	16.26	.00	48.36	260.00
*	3590.000	790.00	2687.67	.00	23.01	.00	21.53	370.00
*	3590.000	1158.00	2688.92	1.25	23.59	.00	24.62	370.00
*	3590.000	1334.00	2689.45	.53	23.82	.00	25.91	370.00
*	3590.000	1639.00	2690.24	.79	24.14	.00	27.87	370.00
*	3680.000	790.00	2721.86	.00	34.19	.00	23.91	480.00
*	3680.000	1158.00	2723.03	1.17	34.11	.00	26.48	480.00
*	3680.000	1334.00	2723.59	.56	34.14	.00	27.81	480.00
*	3680.000	1639.00	2724.25	.66	34.01	.00	29.44	480.00
*	3780.000	790.00	2757.33	.00	35.46	.00	23.16	530.00
*	3780.000	1158.00	2758.55	1.22	35.52	.00	26.41	530.00
*	3780.000	1334.00	2759.05	.50	35.46	.00	27.74	530.00
*	3780.000	1639.00	2759.71	.66	35.46	.00	29.49	530.00
*	3880.000	790.00	2807.20	.00	49.87	.00	32.79	530.00
*	3880.000	1158.00	2808.13	.93	49.58	.00	38.45	530.00
*	3880.000	1334.00	2808.52	.39	49.47	.00	40.81	530.00
*	3880.000	1639.00	2809.13	.61	49.42	.00	44.52	530.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3940.000	790.00	2821.49	.00	14.29	.00	30.43	280.00
*	3940.000	1158.00	2822.56	1.07	14.43	.00	35.85	280.00
*	3940.000	1334.00	2823.02	.46	14.50	.00	38.11	280.00
*	3940.000	1639.00	2823.65	.63	14.52	.00	41.16	280.00
*	3980.000	790.00	2839.72	.00	18.23	.00	30.18	260.00
*	3980.000	1158.00	2840.62	.90	18.05	.00	35.22	260.00
*	3980.000	1334.00	2840.98	.36	17.96	.00	37.32	260.00
*	3980.000	1639.00	2841.60	.62	17.95	.00	40.88	260.00
*	4050.000	217.00	2863.12	.00	23.40	.00	22.20	370.00
*	4050.000	305.00	2863.55	.43	22.93	.00	24.57	370.00
*	4050.000	352.00	2863.76	.21	22.78	.00	25.71	370.00
*	4050.000	433.00	2864.10	.34	22.50	.00	27.54	370.00
*	4160.000	217.00	2925.00	.00	61.89	.00	37.76	580.00
*	4160.000	305.00	2925.29	.28	61.74	.00	39.12	580.00
*	4160.000	352.00	2925.44	.15	61.68	.00	39.84	580.00
*	4160.000	433.00	2925.62	.18	61.52	.00	40.71	580.00
*	4250.000	217.00	2968.07	.00	43.06	.00	37.62	480.00
*	4250.000	305.00	2968.39	.32	43.11	.00	39.97	480.00
*	4250.000	352.00	2968.54	.15	43.10	.00	41.33	480.00
*	4250.000	433.00	2968.77	.23	43.16	.00	43.45	480.00
*	4350.000	217.00	3042.67	.00	74.60	.00	15.21	530.00
*	4350.000	305.00	3043.29	.63	74.90	.00	18.23	530.00
*	4350.000	352.00	3043.55	.26	75.01	.00	19.49	530.00
*	4350.000	433.00	3043.99	.44	75.22	.00	21.60	530.00
*	4440.000	217.00	3136.22	.00	93.55	.00	16.84	480.00
*	4440.000	305.00	3136.72	.50	93.43	.00	19.30	480.00
*	4440.000	352.00	3136.96	.24	93.40	.00	20.48	480.00
*	4440.000	433.00	3137.29	.33	93.30	.00	21.87	480.00
*	4530.000	217.00	3245.45	.00	109.23	.00	14.50	480.00
*	4530.000	305.00	3246.00	.55	109.28	.00	16.58	480.00
*	4530.000	352.00	3246.19	.19	109.23	.00	17.26	480.00
*	4530.000	433.00	3246.61	.42	109.32	.00	18.66	480.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   3940.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3940.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3940.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3980.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3980.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3980.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3980.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3980.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3980.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3980.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3980.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3980.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3980.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3980.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3980.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4050.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4050.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4050.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4050.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4050.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4050.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4050.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4050.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4050.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4050.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4050.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4050.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4160.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4160.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
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[illegible]ION SECNO=  4160.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4160.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4160.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4160.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4160.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4160.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4160.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4160.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4160.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4160.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4250.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4250.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4250.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4250.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4250.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4250.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4250.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4250.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4250.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4250.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4250.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4250.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4350.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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[illegible]ION SECNO=  4350.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4350.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4350.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4350.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4350.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4350.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4350.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4350.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4350.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4350.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=  4440.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4440.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4440.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4440.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4440.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4440.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4440.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4440.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4440.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4440.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=  4440.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4440.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

[illegible]ON SECNO=  4530.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
[illegible]ON SECNO=  4530.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=  4530.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=  4530.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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ION SECNO=   4530.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4530.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4530.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4530.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4530.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE     9/27/90    TIME     9:19:53         *
*****************************************************
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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
****************************************
```

RO Mr
9-12-90

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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
```

END OF BANNER

THIS RUN EXECUTED 9/27/90 9:19:53

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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        ROWE WASH              (RO.MCE)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              2                                                          2314.50

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      5307     5307
NC    .048      .048     .042       .1        .3
ET                        4.1    9865.0   10220.0
         ***** STREAM REACH DISTANCES REVISED 9-18-90
         THIS ENCROACHMENT MODEL IS BASED ON A PREVIOUS HEC-2 MODEL OF
         NATURAL CONDITIONS.  REFER TO FILE RO.OUT (CH2M HILL, 1990)

X1    1520       14     9970    10050
GR    2340     9940     2320     9960     2312     9970     2311    10000     2311    10030
GR    2312    10050     2312    10110     2311    10120     2311    10160     2312    10180
GR    2313    10220     2316    10370     2320    10420     2340    10520

NC     .05      .05     .048
ET                       9.1                                                   9982.7  10386.0
X1    1600       14   9982.7  10407.2      400      380      420
GR  2352.6   9892.9   2329.5   9923.7   2324.4   9982.7   2324.5   9983.7   2324.0  10000.0
    2324.8  10038.0   2324.5  10090.7   2326.8  10128.9   2326.4  10216.6   2326.2  10326.8
GR  2326.2  10376.8   2329.7  10407.2   2336.7  10464.6   2343.5  10504.3
```

ET			4.1	9580.0	10116.8					
X1	1740	22	9580.0	10116.8	750	730	740			
GR	2364.0	9525.0	2344.0	9580.0	2345.0	9615.0	2344.5	9640.0	2345.5	9670.0
GR	2345.0	9695.0	2345.5	9705.5	2344.5	9750.0	2343.8	9775.0	2345.7	9795.0
GR	2345.7	9855.0	2343.6	9882.0	2344.5	9900.0	2344.5	9950.0	2343.9	9980.0
GR	2343.5	10000.0	2344.1	10034.0	2344.8	10076.6	2347.3	10094.5	2346.0	10116.8
GR	2355.1	10138.4	2366.0	10161.0						
NH	4	999	9601.2	.05	9672.8	.048	10103.7	.05	10141.4	
ET			4.1	9600.0	10104.0					
X1	1830	23	9672.8	10103.7	500	480	480			
GR	2382.0	9341.3	2361.9	9389.2	2355.9	9422.8	2357.6	9438.1	2359.9	9461.3
GR	2361.5	9514.6	2362.9	9601.2	2359.8	9634.2	2362.2	9672.8	2357.7	9691.6
GR	2361.1	9732.7	2360.6	9838.9	2359.4	9884.8	2362.1	9899.5	2359.6	9939.3
GR	2359.0	9961.7	2358.7	10000.0	2361.1	10029.5	2361.4	10056.0	2358.7	10078.9
GR	2361.2	10103.7	2382.6	10137.4	2384.0	10141.4				
NC	.05	.05	.048							
ET			4.1	9640.0	10030.0					
X1	1940	26	9732.1	10028.9	580	580	580			
GR	2406.0	9478.1	2403.3	9507.7	2399.3	9549.7	2396.1	9562.2	2395.9	9569.2
GR	2381.8	9591.9	2376.2	9612.4	2377.3	9631.2	2370.1	9658.1	2373.2	9665.2
GR	2375.0	9681.0	2374.8	9732.1	2373.0	9781.9	2377.0	9793.6	2372.8	9801.8
GR	2374.6	9825.2	2376.4	9886.6	2378.8	9958.9	2377.1	9966.0	2373.8	9988.0
[illegible]	2375.1	10000.0	2376.0	10024.9	2376.2	10028.9	2378.0	10043.6	2382.1	10062.7
[illegible]	2399.9	10099.7								
ET			4.1	9668.3	10019.1					
X1	2050	17	9668.3	10019.1	590	600	580			
GR	2413.3	9559.9	2395.6	9595.3	2390.4	9614.9	2391.2	9652.6	2391.1	9668.3
GR	2390.4	9731.0	2391.9	9829.3	2393.2	9862.9	2391.2	9906.1	2389.5	9919.0
GR	2391.2	9957.9	2390.3	9980.0	2389.4	10000.0	2389.8	10019.1	2392.0	10026.1
GR	2417.6	10050.0	2424.3	10088.5						
ET			4.1	9773.0	10083.0					
X1	2140	17	9829.1	10045.3	470	470	480			
GR	2423.8	9738.5	2417.0	9768.7	2412.3	9802.3	2406.2	9811.3	2404.6	9829.1
GR	2405.7	9856.6	2406.8	9889.7	2403.7	9927.2	2401.3	9946.1	2403.1	9974.5
GR	2401.5	9985.0	2401.3	10000.0	2402.2	10022.4	2401.1	10032.1	2401.7	10045.3
GR	2410.0	10062.1	2426.0	10094.8						
ET			4.1	9774.0	10083.1					
X1	2250	14	9753.9	10083.1	450	500	580			
GR	2440.9	9722.3	2423.5	9753.9	2416.5	9777.0	2416.0	9790.1	2415.6	9904.6
GR	2415.7	9919.8	2414.0	9974.4	2414.8	10000.0	2415.1	10022.9	2414.1	10025.5
GR	2417.5	10083.0	2417.8	10083.1	2430.1	10152.4	2442.0	10203.5		
ET			9.1						9983.4	10425
X1	2370	14	9983.4	10427.1	630	630	630			
[illegible]	2455.9	9952.1	2432.3	9983.4	2430.8	10000.0	2432.6	10022.0	2434.6	10125.7
[illegible]	2436.2	10209.9	2438.9	10326.5	2438.0	10371.8	2434.9	10391.2	2438.0	10412.4
GR	2438.5	10427.1	2438.1	10445.3	2449.6	10487.6	2452.0	10514.4		

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ET                      4.1    9988.6   10396.5
X1    2450       15   9988.6   10396.5     430     410     420
GR  2465.3   9959.5   2442.7    9981.1  2441.9  9988.6  2441.7  10000.0  2442.2  10018.2
GR  2444.3  10055.5   2444.4   10221.2  2444.3 10306.8  2443.3  10396.5  2452.4  10418.3
GR  2454.9  10433.3   2457.1   10550.1  2457.4 10593.2  2462.5  10632.5  2462.5  10640.1

ET                      4.1    9935.4   10283.0
X1    2510       21   9935.4   10144.5     330     310     320
GR  2474.0   9907.3   2452.4    9935.4  2451.8  9952.0  2451.9   9973.1  2451.1  10000.0
GR  2452.9  10018.9   2451.6   10055.8  2454.2 10075.7  2453.7  10144.5  2451.0  10245.3
GR  2446.8  10309.6   2446.9   10325.7  2459.7 10346.5  2461.4  10357.1  2462.3  10394.0
GR  2465.0  10443.2   2465.6   10466.0  2465.3 10486.2  2467.0  10517.1  2467.6  10518.3
GR  2476.1  10579.7

ET                      4.1    9685.0   10025.0
X1    2570       13   9685.0   10025.0     310     330     320
GR  2480.0   9655.0   2460.7    9685.0  2460.8  9705.0  2461.0   9720.0  2463.0   9750.0
GR  2461.5   9860.0   2461.0    9920.0  2462.0  9940.0  2460.5   9965.0  2460.0   9985.0
GR  2459.5  10000.0   2462.0   10025.0  2472.0 10026.0

NH       5      .05   9607.6       .04  9673.0     .05  9953.8    .035 10050.2     .05
NH   10201
ET                      4.1    9633.9   10050.2
X1    2620       18   9633.9   10050.2     250     270     260
GR  2491.6   9564.4   2468.0    9607.6  2468.2  9619.0  2470.7   9633.9  2468.6   9653.1
GR  2467.9   9667.0   2469.1    9673.0  2469.4  9688.6  2471.3   9749.8  2471.2   9851.2
GR  2469.9   9953.8   2465.4    9985.6  2466.8 10000.0  2468.6  10016.3  2466.6  10050.2
GR  2487.1  10070.3   2493.6   10134.0  2495.3  10201

NH       5      .05   9673.3       .04  9700.3     .05  9924.9    .035 10020.2     .05
NH   10069
ET                      9.1                                            9667.0  10050.0
X1    2690       20   9611.9   10020.2     370     370     370
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

QT       2    2048     2048
NC     .05     .05     .048
ET                      4.1    9920.0   10115.0
X1    2760       13   9919.8    9981.2     370     370     370
GR  2530.1   9830.3   2517.9    9869.9  2503.7  9902.5  2494.2   9919.8  2492.5   9961.1
GR  2494.1   9981.2   2494.0    9982.5  2493.4 10000.0  2493.7  10020.8  2494.1  10063.3
GR  2492.1  10116.4   2511.1   10141.8  2513.0 10150.9

ET                      4.1    9986.4   10117.0
X1    2840        9   9986.4   10017.7     410     430     420
GR  2522.3   9954.0   2505.8    9986.4  2502.9  9995.0  2505.4  10000.0  2507.5  10017.7
GR  2507.5  10061.3   2507.4   10125.0  2519.7 10146.8  2530.9  10160.5
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NC	.05	.05	.035							
ET			4.1	9988.6	10100.0					
X1	2900	10	9988.6	10012.9	310	330	320			
GR	2536.3	9963.8	2512.6	9988.6	2512.9	9989.9	2511.6	10000.0	2514.1	10012.9
GR	2516.3	10026.3	2516.6	10065.1	2517.3	10124.9	2516.4	10137.4	2532.3	10169.6
ET			4.1	9973.0	10045.0					
X1	3010	11	9991.2	10009.3	580	580	580			
GR	2550.6	9929.2	2533.2	9961.3	2533.2	9973.2	2530.4	9991.2	2531.3	10000.0
GR	2531.3	10009.3	2534.2	10019.7	2534.9	10046.5	2534.5	10076.1	2538.3	10088.3
GR	2555.4	10124.6								
QT	2	1334	1334							
NC	.05	.05	.045							
ET			4.1	9984.3	10013.1					
X1	3090	9	9984.3	10013.1	420	420	420			
GR	2561.4	9916.1	2551.5	9941.4	2547.8	9977.2	2546.6	9984.3	2543.7	10000.0
GR	2545.8	10013.1	2548.1	10015.8	2567.3	10043.5	2565.5	10051.1		
NC	.055	.055	.045							
ET			4.1	9988.9	10006.8					
X1	3160	7	9991.0	10004.8	360	390	370			
GR	2581.1	9960.5	2562.4	9991.0	2560.8	9998.3	2561.3	10000.0	2562.9	10004.8
GR	2566.1	10010.1	2589.0	10039.5						
			4.1	9973.2	10009.8					
X1	3250	16	9973.2	10009.8	480	480	480			
GR	2602.9	9949.4	2590.1	9973.2	2587.9	9987.2	2588.1	9989.2	2588.5	9998.6
GR	2588.9	10000.0	2590.2	10009.8	2590.5	10010.0	2592.4	10019.5	2592.3	10033.3
GR	2597.5	10047.5	2605.3	10064.4	2605.8	10078.4	2604.7	10102.9	2606.0	10128.0
GR	2608.5	10136.2								
ET			4.1	9987.9	10009.7					
X1	3320	8	9987.9	10009.7	380	360	370			
GR	2618.8	9944.2	2615.5	9964.5	2607.0	9978.5	2600.0	9987.9	2600.6	10000.0
GR	2600.8	10009.7	2602.3	10012.4	2615.6	10032.9				
ET			4.1	9990.1	10009.4					
X1	3410	9	9990.1	10009.4	480	480	480			
GR	2646.1	9924.8	2641.6	9952.5	2634.8	9970.5	2625.2	9987.6	2624.8	9990.1
GR	2622.4	9997.4	2622.2	10000.0	2627.0	10009.4	2648.6	10037.5		
ET			4.1	9987.1	10002.6					
X1	3470	7	9990.8	10000.0	330	310	320			
GR	2664.0	9962.5	2642.3	9990.8	2640.0	9997.9	2643.5	10000.0	2652.6	10014.1
GR	2659.5	10039.0	2664.9	10046.9						
ET			4.1	9990.3	10017.4					
X1	3520	8	10008.9	10017.4	240	280	260			
	2679.9	9956.3	2663.3	9981.3	2662.7	9992.0	2662.7	10000.0	2661.1	10008.9
	2660.3	10017.4	2673.4	10035.6	2678.3	10046.8				

ET			4.1	9985.3	10000.1					
X1	3590	7	9986.5	10000.0	380	360	370			
GR	2705.3	9961.1	2684.0	9986.5	2681.8	9997.1	2684.8	10000.0	2692.5	10009.8
GR	2708.1	10038.3	2709.8	10042.2						
ET			4.1	9987.7	10005.8					
X1	3680	9	9993.1	10000.0	480	480	480			
GR	2742.9	9966.4	2727.8	9982.1	2721.5	9985.6	2716.2	9993.1	2716.2	10000.0
GR	2723.2	10011.5	2725.4	10015.7	2738.1	10042.2	2738.0	10044.8		
ET			4.1	9994.4	10011.5					
X1	3780	7	9998.9	10009.1	520	540	530			
GR	2773.8	9958.6	2765.1	9982.6	2760.3	9988.0	2751.6	9998.9	2751.9	10000.0
GR	2753.2	10009.1	2769.1	10031.4						
ET			4.1	9987.9	10011.4					
X1	3880	6	9987.9	10011.4	550	510	530			
GR	2820.3	9956.5	2805.6	9987.9	2802.1	10000.0	2805.7	10011.4	2812.8	10039.3
GR	2822.9	10065.0								
ET			4.1	9983.4	10003.7					
X1	3940	7	9987.4	10000.0	270	290	280			
GR	2833.1	9943.9	2818.2	9987.4	2815.8	9995.1	2817.6	10000.0	2822.7	10010.8
GR	2837.5	10039.6	2837.6	10044.4						
[illegible]			4.1	9984.3	10011.5					
X1	3980	10	9984.3	10011.5	270	250	260			
GR	2853.3	9928.8	2845.4	9954.8	2843.2	9972.7	2839.8	9984.3	2833.9	9995.3
GR	2836.1	10000.0	2838.7	10011.5	2838.8	10012.5	2846.6	10030.7	2853.5	10042.1
QT	2	352	352							
ET			4.1	9985.8	10000.0					
X1	4050	10	9985.8	10000.0	360	380	370			
GR	2884.8	9938.4	2871.6	9958.2	2864.5	9978.5	2861.7	9985.8	2860.8	9994.1
GR	2861.6	10000.0	2865.4	10010.8	2878.7	10032.5	2873.7	10058.0	2882.4	10074.4
ET			4.1	9968.8	10000.0					
X1	4160	16	9968.8	10000.0	580	580	580			
GR	2945.6	9901.5	2935.2	9929.9	2927.5	9956.7	2927.5	9960.0	2922.5	9968.8
GR	2923.8	9978.9	2924.7	9986.0	2924.3	10000.0	2927.9	10011.0	2930.6	10024.2
GR	2938.7	10039.0	2945.7	10053.4	2943.8	10089.9	2944.3	10094.1	2948.6	10105.1
GR	2955.8	10127.8								
ET			4.1	9985.1	10007.4					
X1	4250	14	9985.1	10007.4	500	460	480			
GR	2985.4	9925.3	2982.1	9945.6	2972.7	9965.6	2968.9	9981.3	2968.3	9985.1
GR	2965.2	9996.3	2965.9	10000.0	2967.6	10007.4	2967.8	10010.8	2967.8	10022.8
GR	2976.5	10047.4	2980.0	10064.0	2979.8	10081.6	2985.4	10107.6		

ET			4.1	9990.8	10000.0					
X1	4350	7	9990.8	10000.0	530	530	530			
GR	3063.1	9953.1	3053.6	9977.8	3038.8	9990.8	3042.0	10000.0	3044.9	10011.4
GR	3059.3	10038.0	3061.9	10046.7						
ET			9.1						9988.3	10008.0
X1	4440	8	9988.3	10013.0	480	480	480			
GR	3158.9	9952.6	3145.9	9975.6	3137.1	9988.3	3132.8	10000.0	3138.7	10013.0
GR	3146.0	10040.4	3151.3	10071.6	3152.4	10078.7				
ET			4.1	9988.9	10000.2					
X1	4530	5	9991.0	10000.0	480	480	480			
GR	3269.5	9947.8	3254.5	9968.2	3241.6	9991.0	3246.1	10000.0	3260.9	10023.3

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      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2    100-YR FLOOD FREQUENCY MODEL  (ENCROACHMENT CONDITIONS)
T3    ROWE WASH              (RO.MCE)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              3                                                              2315.50

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    15                 -1
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THIS RUN EXECUTED 9/27/90 9:20:51

****
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

ROWE WASH

SUMMARY PRINTOUT

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
	1520.000	5307.00	8.24	3.50	2311.00	.00	2314.50	493.54	328.13	9966.88	9970.00	10050.00	10295.00
	1520.000	5307.00	6.25	4.50	2311.00	.00	2315.50	780.19	254.37	9965.63	9970.00	10050.00	10220.00
	1600.000	5307.00	7.49	3.45	2324.00	420.00	2327.45	303.15	440.28	9947.39	9982.70	10407.20	10387.67
	1600.000	5307.00	7.63	3.54	2324.00	420.00	2327.54	308.17	403.30	9982.70	9982.70	10407.20	10386.00
	1740.000	5307.00	6.24	2.85	2343.50	740.00	2346.35	366.25	520.95	9573.54	9580.00	10116.80	10117.63
	1740.000	5307.00	6.28	2.85	2343.50	740.00	2346.35	363.34	513.72	9580.00	9580.00	10116.80	10116.80
*	1830.000	5307.00	7.74	5.79	2355.90	480.00	2361.69	283.88	607.71	9390.36	9672.80	10103.70	10104.48
*	1830.000	5307.00	7.68	5.81	2355.90	480.00	2361.71	287.89	471.71	9613.90	9672.80	10103.70	10104.00
	1940.000	5307.00	6.81	6.77	2370.10	580.00	2376.87	372.39	347.87	9609.96	9732.10	10028.90	10034.35
	1940.000	5307.00	6.86	6.75	2370.10	580.00	2376.85	368.15	321.72	9640.00	9732.10	10028.90	10030.00
*	2050.000	5307.00	7.63	3.29	2389.40	580.00	2392.69	317.71	396.34	9606.26	9668.30	10019.10	10026.75
*	2050.000	5307.00	8.06	3.51	2389.40	580.00	2392.91	315.47	337.14	9668.30	9668.30	10019.10	10019.10
*	2140.000	5307.00	9.61	4.89	2401.10	480.00	2405.99	350.16	206.17	9813.64	9829.10	10045.30	10053.98
*	2140.000	5307.00	9.60	4.89	2401.10	480.00	2405.99	350.64	206.35	9813.60	9829.10	10045.30	10053.99
	2250.000	5307.00	7.12	3.88	2414.00	580.00	2417.88	412.57	311.07	9772.46	9753.90	10083.10	10083.53
	2250.000	5307.00	7.14	3.87	2414.00	580.00	2417.87	412.14	309.10	9774.00	9753.90	10083.10	10083.10
*	2370.000	5307.00	8.82	5.67	2430.80	630.00	2436.47	323.25	264.41	9977.87	9983.40	10427.10	10401.96
*	2370.000	5307.00	8.81	5.71	2430.80	630.00	2436.51	321.77	260.92	9983.40	9983.40	10427.10	10402.20
	2450.000	5307.00	6.27	4.21	2441.70	420.00	2445.91	409.96	424.71	9978.03	9988.60	10396.50	10402.75
	2450.000	5307.00	6.38	4.29	2441.70	420.00	2445.99	409.43	407.90	9988.60	9988.60	10396.50	10396.50
*	2510.000	5307.00	4.35	6.53	2446.80	320.00	2453.33	456.06	312.90	9934.18	9935.40	10144.50	10336.16
*	2510.000	5307.00	6.31	7.46	2446.80	320.00	2454.26	348.10	347.60	9935.40	9935.40	10144.50	10283.00

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	2570.000	5307.00	8.06	3.87	2459.50	320.00	2463.37	315.10	344.29	9680.85	9685.00	10025.00	10025.14
*	2570.000	5307.00	8.08	3.88	2459.50	320.00	2463.38	312.49	340.00	9685.00	9685.00	10025.00	10025.00
*	2620.000	5307.00	7.50	5.90	2465.40	260.00	2471.30	541.80	453.25	9601.56	9633.90	10050.20	10054.81
*	2620.000	5307.00	7.34	6.10	2465.40	260.00	2471.50	335.99	416.30	9633.90	9633.90	10050.20	10050.20
*	2690.000	5307.00	8.36	6.30	2475.30	370.00	2481.60	358.16	300.24	9665.44	9611.90	10020.20	10052.52
*	2690.000	5307.00	8.44	6.29	2475.30	370.00	2481.59	357.71	292.74	9667.00	9611.90	10020.20	10050.00
*	2760.000	2048.00	7.40	2.82	2492.10	370.00	2494.92	116.36	201.68	9918.49	9919.80	9981.20	10120.17
*	2760.000	2048.00	7.54	2.85	2492.10	370.00	2494.95	115.09	195.00	9920.00	9919.80	9981.20	10115.00
*	2840.000	2048.00	9.19	6.22	2502.90	420.00	2509.12	158.36	148.16	9979.89	9986.40	10017.70	10128.04
*	2840.000	2048.00	9.24	6.29	2502.90	420.00	2509.19	149.44	130.60	9986.40	9986.40	10017.70	10117.00
*	2900.000	2048.00	10.10	6.54	2511.60	320.00	2518.14	267.04	158.13	9982.80	9988.60	10012.90	10140.93
*	2900.000	2048.00	10.45	6.57	2511.60	320.00	2518.17	226.22	111.40	9988.60	9988.60	10012.90	10100.00
*	3010.000	2048.00	11.15	5.43	2530.40	580.00	2535.83	219.92	123.92	9956.45	9991.20	10009.30	10080.37
*	3010.000	2048.00	12.46	5.58	2530.40	580.00	2535.98	201.10	72.00	9973.00	9991.20	10009.30	10045.00
*	3090.000	1334.00	10.39	5.33	2543.70	420.00	2549.03	106.80	51.79	9965.34	9984.30	10013.10	10017.13
*	3090.000	1334.00	11.50	5.30	2543.70	420.00	2549.00	85.47	28.80	9984.30	9984.30	10013.10	10013.10
*	3160.000	1334.00	13.00	6.95	2560.80	370.00	2567.75	109.87	29.96	9982.27	9991.00	10004.80	10012.22
*	3160.000	1334.00	14.64	7.07	2560.80	370.00	2567.87	98.73	17.90	9988.90	9991.00	10004.80	10006.80
*	3250.000	1334.00	9.69	4.60	2587.90	480.00	2592.50	106.21	65.12	9968.73	9973.20	10009.80	10033.85
*	3250.000	1334.00	10.62	4.43	2587.90	480.00	2592.33	87.03	36.60	9973.20	9973.20	10009.80	10009.80
*	3320.000	1334.00	11.81	4.95	2600.00	370.00	2604.95	101.21	35.24	9981.25	9987.90	10009.70	10016.49
*	3320.000	1334.00	12.60	5.34	2600.00	370.00	2605.34	78.19	21.80	9987.90	9987.90	10009.70	10009.70
*	3410.000	1334.00	12.16	6.73	2622.20	480.00	2628.93	100.87	30.96	9980.95	9990.10	10009.40	10011.91
*	3410.000	1334.00	13.12	6.98	2622.20	480.00	2629.18	80.44	19.30	9990.10	9990.10	10009.40	10009.40
*	3470.000	1334.00	14.15	8.98	2640.00	320.00	2648.98	104.31	26.40	9982.09	9990.80	10000.00	10008.49
*	3470.000	1334.00	16.32	8.84	2640.00	320.00	2648.84	89.29	15.50	9987.10	9990.80	10000.00	10002.60
*	3520.000	1334.00	12.91	5.32	2660.30	260.00	2665.62	98.52	47.00	9977.80	10008.90	10017.40	10024.80
*	3520.000	1334.00	12.46	5.78	2660.30	260.00	2666.08	76.71	27.10	9990.30	10008.90	10017.40	10017.40
*	3590.000	1334.00	13.37	7.65	2681.80	370.00	2689.45	106.54	25.91	9980.00	9986.50	10000.00	10005.92
*	3590.000	1334.00	14.78	7.76	2681.80	370.00	2689.56	97.51	14.80	9985.30	9986.50	10000.00	10000.10
*	3680.000	1334.00	14.57	7.39	2716.20	480.00	2723.59	114.76	27.81	9984.44	9993.10	10000.00	10012.25
*	3680.000	1334.00	17.44	7.18	2716.20	480.00	2723.38	94.01	18.10	9987.70	9993.10	10000.00	10005.80
*	3780.000	1334.00	14.21	7.45	2751.60	530.00	2759.05	108.03	27.74	9989.56	9998.90	10009.10	10017.31
*	3780.000	1334.00	16.16	7.44	2751.60	530.00	2759.04	94.89	17.10	9994.40	9998.90	10009.10	10011.50

	SECNO	Q	VCH	DEPTH	ELMIN	XLCH	CWSEL	.01K	TOPWID	SSTA	STCHL	STCHR	ENDST
*	3880.000	1334.00	11.28	6.42	2802.10	530.00	2808.52	105.57	40.81	9981.67	9987.90	10011.40	10022.47
*	3880.000	1334.00	12.31	6.39	2802.10	530.00	2808.49	83.82	23.50	9987.90	9987.90	10011.40	10011.40
*	3940.000	1334.00	12.46	7.22	2815.80	280.00	2823.02	114.43	38.11	9973.32	9987.40	10000.00	10011.43
*	3940.000	1334.00	14.71	7.17	2815.80	280.00	2822.97	96.43	20.30	9983.40	9987.40	10000.00	10003.70
*	3980.000	1334.00	11.27	7.08	2833.90	260.00	2840.98	96.75	37.32	9980.27	9984.30	10011.50	10017.59
*	3980.000	1334.00	11.68	7.06	2833.90	260.00	2840.96	86.45	27.20	9984.30	9984.30	10011.50	10011.50
*	4050.000	352.00	8.53	2.96	2860.80	370.00	2863.76	25.20	25.71	9980.43	9985.80	10000.00	10006.14
*	4050.000	352.00	9.30	3.10	2860.80	370.00	2863.90	19.94	14.20	9985.80	9985.80	10000.00	10000.00
*	4160.000	352.00	6.86	2.94	2922.50	580.00	2925.44	21.44	39.84	9963.63	9968.80	10000.00	10003.47
*	4160.000	352.00	7.24	3.06	2922.50	580.00	2925.56	19.72	31.20	9968.80	9968.80	10000.00	10000.00
*	4250.000	352.00	7.07	3.34	2965.20	480.00	2968.54	25.51	41.33	9983.57	9985.10	10007.40	10024.90
*	4250.000	352.00	8.05	3.31	2965.20	480.00	2968.51	21.48	22.30	9985.10	9985.10	10007.40	10007.40
*	4350.000	352.00	9.81	4.75	3038.80	530.00	3043.55	24.52	19.49	9986.62	9990.80	10000.00	10006.11
*	4350.000	352.00	10.79	5.15	3038.80	530.00	3043.95	16.75	9.20	9990.80	9990.80	10000.00	10000.00
*	4440.000	352.00	8.27	4.16	3132.80	480.00	3136.96	21.77	20.48	9988.68	9988.30	10013.00	10009.16
*	4440.000	352.00	8.45	4.13	3132.80	480.00	3136.93	21.55	19.23	9988.77	9988.30	10013.00	10008.00
*	4530.000	352.00	9.82	4.59	3241.60	480.00	3246.19	19.39	17.26	9982.88	9991.00	10000.00	10000.15
*	4530.000	352.00	11.34	5.09	3241.60	480.00	3246.69	19.10	11.30	9988.90	9991.00	10000.00	10000.20

E WASH

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
	1520.000	5307.00	2314.50	.00	.00	.00	9970.00	10050.00	.00	115.63	2315.28	.00
	1520.000	5307.00	2315.50	1.00	.00	9865.00	9970.00	10050.00	10220.00	46.27	2315.98	.70
*	1600.000	5307.00	2327.45	.00	12.95	.00	9982.70	10407.20	.00	306.46	2328.31	.00
*	1600.000	5307.00	2327.54	.09	12.04	9982.70	9982.70	10407.20	10386.00	296.56	2328.45	.13
	1740.000	5307.00	2346.35	.00	18.90	.00	9580.00	10116.80	.00	209.97	2346.95	.00
	1740.000	5307.00	2346.35	.00	18.81	9580.00	9580.00	10116.80	10116.80	213.34	2346.96	.01
*	1830.000	5307.00	2361.69	.00	15.34	.00	9672.80	10103.70	.00	349.47	2362.58	.00
*	1830.000	5307.00	2361.71	.01	15.35	9600.00	9672.80	10103.70	10104.00	339.83	2362.60	.02
	1940.000	5307.00	2376.87	.00	15.17	.00	9732.10	10028.90	.00	203.09	2377.75	.00
	1940.000	5307.00	2376.85	-.02	15.15	9640.00	9732.10	10028.90	10030.00	207.80	2377.80	.05
*	2050.000	5307.00	2392.69	.00	15.82	.00	9668.30	10019.10	.00	279.01	2393.58	.00
*	2050.000	5307.00	2392.91	.22	16.06	9668.30	9668.30	10019.10	10019.10	283.00	2393.92	.34
	140.000	5307.00	2405.99	.00	13.30	.00	9829.10	10045.30	.00	229.70	2407.40	.00
	140.000	5307.00	2405.99	.00	13.08	9773.00	9829.10	10045.30	10083.00	229.08	2407.40	.00
	2250.000	5307.00	2417.88	.00	11.89	.00	9753.90	10083.10	.00	165.46	2418.66	.00
	2250.000	5307.00	2417.87	-.01	11.88	9774.00	9753.90	10083.10	10083.10	165.81	2418.66	-.00
*	2370.000	5307.00	2436.47	.00	18.60	.00	9983.40	10427.10	.00	269.55	2437.67	.00
*	2370.000	5307.00	2436.51	.04	18.64	9983.40	9983.40	10427.10	10425.00	272.02	2437.72	.04
	2450.000	5307.00	2445.91	.00	9.43	.00	9988.60	10396.50	.00	167.57	2446.54	.00
	2450.000	5307.00	2445.99	.08	9.48	9988.60	9988.60	10396.50	10396.50	168.01	2446.62	.08
*	2510.000	5307.00	2453.33	.00	7.43	.00	9935.40	10144.50	.00	135.41	2454.37	.00
*	2510.000	5307.00	2454.26	.93	8.27	9935.40	9935.40	10144.50	10283.00	232.43	2455.26	.90
*	2570.000	5307.00	2463.37	.00	10.04	.00	9685.00	10025.00	.00	283.66	2464.38	.00
*	2570.000	5307.00	2463.38	.01	9.12	9685.00	9685.00	10025.00	10025.00	288.42	2464.39	.01
*	2620.000	5307.00	2471.30	.00	7.93	.00	9633.90	10050.20	.00	95.94	2472.15	.00
*	2620.000	5307.00	2471.50	.20	8.12	9633.90	9633.90	10050.20	10050.20	249.48	2472.34	.19
*	2690.000	5307.00	2481.60	.00	10.30	.00	9611.90	10020.20	.00	219.56	2482.67	.00
*	2690.000	5307.00	2481.59	-.02	10.08	9667.00	9611.90	10020.20	10050.00	220.11	2482.67	.00
*	2760.000	2048.00	2494.92	.00	13.31	.00	9919.80	9981.20	.00	309.77	2495.68	.00
*	2760.000	2048.00	2494.95	.04	13.37	9920.00	9919.80	9981.20	10115.00	316.66	2495.73	.05
*	2840.000	2048.00	2509.12	.00	14.20	.00	9986.40	10017.70	.00	167.25	2510.00	.00
*	2840.000	2048.00	2509.19	.07	14.24	9986.40	9986.40	10017.70	10117.00	187.82	2510.13	.13

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	STENCL	STCHL	STCHR	STENCR	10*KS	EG	DIFEG
*	2900.000	2048.00	2518.14	.00	9.03	.00	9988.60	10012.90	.00	58.82	2519.25	.00
*	2900.000	2048.00	2518.17	.03	8.98	9988.60	9988.60	10012.90	10100.00	81.96	2519.42	.17
*	3010.000	2048.00	2535.83	.00	17.69	.00	9991.20	10009.30	.00	86.72	2536.98	.00
*	3010.000	2048.00	2535.98	.15	17.81	9973.00	9991.20	10009.30	10045.00	103.72	2537.62	.64
*	3090.000	1334.00	2549.03	.00	13.20	.00	9984.30	10013.10	.00	156.02	2550.58	.00
*	3090.000	1334.00	2549.00	-.03	13.01	9984.30	9984.30	10013.10	10013.10	243.62	2551.05	.47
*	3160.000	1334.00	2567.75	.00	18.73	.00	9991.00	10004.80	.00	147.42	2569.99	.00
*	3160.000	1334.00	2567.87	.11	18.87	9988.90	9991.00	10004.80	10006.80	182.55	2571.00	1.01
*	3250.000	1334.00	2592.50	.00	24.75	.00	9973.20	10009.80	.00	157.74	2593.90	.00
*	3250.000	1334.00	2592.33	-.17	24.47	9973.20	9973.20	10009.80	10009.80	234.93	2594.08	.18
*	3320.000	1334.00	2604.95	.00	12.45	.00	9987.90	10009.70	.00	173.71	2606.90	.00
*	3320.000	1334.00	2605.34	.38	13.00	9987.90	9987.90	10009.70	10009.70	291.11	2607.80	.90
*	3410.000	1334.00	2628.93	.00	23.98	.00	9990.10	10009.40	.00	174.89	2631.04	.00
*	3410.000	1334.00	2629.18	.25	23.84	9990.10	9990.10	10009.40	10009.40	275.01	2631.85	.81
*	3470.000	1334.00	2648.98	.00	20.05	.00	9990.80	10000.00	.00	163.56	2651.47	.00
*	3470.000	1334.00	2648.84	-.14	19.66	9987.10	9990.80	10000.00	10002.60	223.21	2652.46	.99
	3520.000	1334.00	2665.62	.00	16.64	.00	10008.90	10017.40	.00	183.35	2667.18	.00
*	3520.000	1334.00	2666.08	.46	17.24	9990.30	10008.90	10017.40	10017.40	302.44	2668.17	1.00
*	3590.000	1334.00	2689.45	.00	23.82	.00	9986.50	10000.00	.00	156.78	2691.93	.00
*	3590.000	1334.00	2689.56	.11	23.48	9985.30	9986.50	10000.00	10000.10	187.17	2692.90	.96
*	3680.000	1334.00	2723.59	.00	34.14	.00	9993.10	10000.00	.00	135.13	2725.79	.00
*	3680.000	1334.00	2723.38	-.21	33.82	9987.70	9993.10	10000.00	10005.80	201.34	2726.77	.99
*	3780.000	1334.00	2759.05	.00	35.46	.00	9998.90	10009.10	.00	152.48	2761.48	.00
*	3780.000	1334.00	2759.04	-.01	35.67	9994.40	9998.90	10009.10	10011.50	197.64	2762.48	1.00
*	3880.000	1334.00	2808.52	.00	49.47	.00	9987.90	10011.40	.00	159.66	2810.36	.00
*	3880.000	1334.00	2808.49	-.03	49.44	9987.90	9987.90	10011.40	10011.40	253.30	2810.84	.48
*	3940.000	1334.00	2823.02	.00	14.50	.00	9987.40	10000.00	.00	135.90	2824.91	.00
*	3940.000	1334.00	2822.97	-.05	14.49	9983.40	9987.40	10000.00	10003.70	191.39	2825.91	1.00
*	3980.000	1334.00	2840.98	.00	17.96	.00	9984.30	10011.50	.00	190.11	2842.90	.00
*	3980.000	1334.00	2840.96	-.02	17.99	9984.30	9984.30	10011.50	10011.50	238.13	2843.08	.18
*	4050.000	352.00	2863.76	.00	22.78	.00	9985.80	10000.00	.00	195.12	2864.77	.00
*	4050.000	352.00	2863.90	.14	22.94	9985.80	9985.80	10000.00	10000.00	311.65	2865.24	.47
*	4160.000	352.00	2925.44	.00	61.68	.00	9968.80	10000.00	.00	269.62	2926.12	.00
*	4160.000	352.00	2925.56	.13	61.67	9968.80	9968.80	10000.00	10000.00	318.55	2926.38	.25

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*	4250.000	352.00	2968.54	.00	43.10	.00	9985.10	10007.40	.00	190.37	2969.25	.00
*	4250.000	352.00	2968.51	-.03	42.95	9985.10	9985.10	10007.40	10007.40	268.57	2969.52	.27
*	4350.000	352.00	3043.55	.00	75.01	.00	9990.80	10000.00	.00	206.02	3044.83	.00
*	4350.000	352.00	3043.95	.39	75.44	9990.80	9990.80	10000.00	10000.00	441.39	3045.75	.92
*	4440.000	352.00	3136.96	.00	93.40	.00	9988.30	10013.00	.00	261.53	3138.02	.00
*	4440.000	352.00	3136.93	-.03	92.98	9988.30	9988.30	10013.00	10008.00	266.91	3138.04	.02
*	4530.000	352.00	3246.19	.00	109.23	.00	9991.00	10000.00	.00	329.67	3247.46	.00
*	4530.000	352.00	3246.69	.50	109.77	9988.90	9991.00	10000.00	10000.20	339.74	3248.46	1.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   4440.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   4530.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4530.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4530.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4530.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

FLOODWAY DATA, ROWE WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1520.000	254.	973.	5.5	2315.5	2314.5	1.0
1600.000	403.	696.	7.6	2327.5	2327.5	.0
1740.000	537.	845.	6.3	2346.4	2346.4	.0
1830.000	490.	707.	7.5	2361.7	2361.7	.0
1940.000	390.	698.	7.6	2376.9	2376.9	.0
2050.000	351.	659.	8.1	2392.9	2392.7	.2
2140.000	240.	565.	9.4	2406.0	2406.0	.0
2250.000	309.	743.	7.1	2417.9	2417.9	.0
2370.000	419.	602.	8.8	2436.5	2436.5	.0
2450.000	408.	832.	6.4	2446.0	2445.9	.1
2510.000	348.	689.	7.7	2454.3	2453.3	1.0
2570.000	340.	656.	8.1	2463.4	2463.4	.0
2620.000	416.	723.	7.3	2471.5	2471.3	.2
2690.000	383.	636.	8.3	2481.6	2481.6	.0
2760.000	195.	291.	7.0	2495.0	2494.9	.1
[illegible]40.000	131.	286.	7.2	2509.2	2509.1	.1
[illegible]0.000	111.	290.	7.1	2518.2	2518.1	.1
3010.000	72.	235.	8.7	2536.0	2535.8	.2
3090.000	29.	116.	11.5	2549.0	2549.0	.0
3160.000	18.	104.	12.8	2567.9	2567.8	.1
3250.000	37.	126.	10.6	2592.3	2592.5	-.2
3320.000	22.	106.	12.6	2605.3	2605.0	.3
3410.000	19.	102.	13.1	2629.2	2628.9	.3
3470.000	15.	100.	13.3	2648.8	2649.0	-.2
3520.000	27.	116.	11.5	2666.1	2665.6	.5
3590.000	15.	95.	14.0	2689.6	2689.4	.2
3680.000	18.	109.	12.2	2723.4	2723.6	-.2
3780.000	17.	105.	12.8	2759.0	2759.1	-.1
3880.000	23.	108.	12.3	2808.5	2808.5	.0
3940.000	20.	110.	12.2	2823.0	2823.0	.0
3980.000	27.	114.	11.7	2841.0	2841.0	.0
4050.000	14.	38.	9.3	2863.9	2863.8	.1
4160.000	31.	49.	7.2	2925.6	2925.4	.2
4250.000	22.	44.	8.1	2968.5	2968.5	.0
4350.000	9.	33.	10.8	3043.9	3043.6	.3
4440.000	19.	42.	8.5	3136.9	3137.0	-.1
4530.000	11.	35.	10.0	3246.7	3246.2	.5

```
*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF SEPTEMBER 1988                        *
*  ERROR: 01,02,03                                  *
*  UPDATED:  SEPTEMBER 1989                         *
*  RUN DATE    10/ 1/90    TIME    11:18:25         *
*****************************************************
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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
****************************************
```

RO SPLIT
10-1-90

```
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 10/ 1/90 11:18:25

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


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



SPLIT FLOW BEING PERFORMED


SF      SPLIT FLOW AT CONFLUENCE OF ROWE AND GRAPEVINE


TW      WIER BETWEEN SECTIONS 2.62 AND 2.76
WS     9    2620    2760    2570    2.80
WC     0  2495.3     150  2504.6     265  2484.0     300  2481.3     370  2484.0
WC   475  2485.9     570  2488.0     580  2492.0     740  2513.0
```

```
T1      FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2      10-YR FLOOD FREQUENCY MODEL
T3      ROWE WASH                (RO.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              2                                                          2313.70

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      3033      4531      5307      6687

   .048      .048      .042        .1        .3

        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT*****************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
X1     1520        14      9970     10050
GR     2340      9940      2320      9960      2312      9970      2311     10000      2311     10030
GR     2312     10050      2312     10110      2311     10120      2311     10160      2312     10180
GR     2313     10220      2316     10370      2320     10420      2340     10520
```

NC	.05	.05	.048							
X1	1600	14	9982.7	10407.2	400	380	420			
GR	2352.6	9892.9	2329.5	9923.7	2324.4	9982.7	2324.5	9983.7	2324.0	10000.0
GR	2324.8	10038.0	2324.5	10090.7	2326.8	10128.9	2326.4	10216.6	2326.2	10326.8
GR	2326.2	10376.8	2329.7	10407.2	2336.7	10464.6	2343.5	10504.3		
X1	1740	22	9580.0	10116.8	750	730	740			
GR	2364.0	9525.0	2344.0	9580.0	2345.0	9615.0	2344.5	9640.0	2345.5	9670.0
GR	2345.0	9695.0	2345.5	9705.5	2344.5	9750.0	2343.8	9775.0	2345.7	9795.0
GR	2345.7	9855.0	2343.6	9882.0	2344.5	9900.0	2344.5	9950.0	2343.9	9980.0
GR	2343.5	10000.0	2344.1	10034.0	2344.8	10076.6	2347.3	10094.5	2346.0	10116.8
GR	2355.1	10138.4	2366.0	10161.0						
NH	4	999	9601.2	.05	9672.8	.048	10103.7	.05	10141.4	
X1	1830	23	9672.8	10103.7	500	480	480			
GR	2382.0	9341.3	2361.9	9389.2	2355.9	9422.8	2357.6	9438.1	2359.9	9461.3
GR	2361.5	9514.6	2362.9	9601.2	2359.8	9634.2	2362.2	9672.8	2357.7	9691.6
GR	2361.1	9732.7	2360.6	9838.9	2359.4	9884.8	2362.1	9899.5	2359.6	9939.3
GR	2359.0	9961.7	2358.7	10000.0	2361.1	10029.5	2361.4	10056.0	2358.7	10078.9
GR	2361.2	10103.7	2382.6	10137.4	2384.0	10141.4				
NC	.05	.05	.048							
X1	1940	26	9732.1	10028.9	580	580	580			
GR	2406.0	9478.1	2403.3	9507.7	2399.3	9549.7	2396.1	9562.2	2395.9	9569.2
GR	2381.8	9591.9	2376.2	9612.4	2377.3	9631.2	2370.1	9658.1	2373.2	9665.2
GR	2375.0	9681.0	2374.8	9732.1	2373.0	9781.9	2377.0	9793.6	2372.8	9801.8
GR	2374.6	9825.2	2376.4	9886.6	2378.8	9958.9	2377.1	9966.0	2373.8	9988.0
GR	2375.1	10000.0	2376.0	10024.9	2376.2	10028.9	2378.0	10043.6	2382.1	10062.7
GR	2399.9	10099.7								
X1	2050	17	9668.3	10019.1	590	600	580			
GR	2413.3	9559.9	2395.6	9595.3	2390.4	9614.9	2391.2	9652.6	2391.1	9668.3
GR	2390.4	9731.0	2391.9	9829.3	2393.2	9862.9	2391.2	9906.1	2389.5	9919.0
GR	2391.2	9957.9	2390.3	9980.0	2389.4	10000.0	2389.8	10019.1	2392.0	10026.1
GR	2417.6	10050.0	2424.3	10088.5						
X1	2140	17	9829.1	10045.3	470	470	480			
GR	2423.8	9738.5	2417.0	9768.7	2412.3	9802.3	2406.2	9811.3	2404.6	9829.1
GR	2405.7	9856.6	2406.8	9889.7	2403.7	9927.2	2401.3	9946.1	2403.1	9974.5
GR	2401.5	9985.0	2401.3	10000.0	2402.2	10022.4	2401.1	10032.1	2401.7	10045.3
GR	2410.0	10062.1	2426.0	10094.8						

X1	2250	14	9753.9	10083.1	450	500	580			
GR	2440.9	9722.3	2423.5	9753.9	2416.5	9777.0	2416.0	9790.1	2415.6	9904.6
GR	2415.7	9919.8	2414.0	9974.4	2414.8	10000.0	2415.1	10022.9	2414.1	10025.5
GR	2417.5	10083.0	2417.8	10083.1	2430.1	10152.4	2442.0	10203.5		
X1	2370	14	9983.4	10427.1	630	630	630			
GR	2455.9	9952.1	2432.3	9983.4	2430.8	10000.0	2432.6	10022.0	2434.6	10125.7
GR	2436.2	10209.9	2438.9	10326.5	2438.0	10371.8	2434.9	10391.2	2438.0	10412.4
GR	2438.5	10427.1	2438.1	10445.3	2449.6	10487.6	2452.0	10514.4		
X1	2450	15	9988.6	10396.5	430	410	420			
GR	2465.3	9959.5	2442.7	9981.1	2441.9	9988.6	2441.7	10000.0	2442.2	10018.2
GR	2444.3	10055.5	2444.4	10221.2	2444.3	10306.8	2443.3	10396.5	2452.4	10418.3
GR	2454.9	10433.3	2457.1	10550.1	2457.4	10593.2	2462.5	10632.5	2462.5	10640.1

CONFLUENCE WITH GRAPEVINE WASH

X1	2510	21	9935.4	10144.5	330	310	320			
GR	2474.0	9907.3	2452.4	9935.4	2451.8	9952.0	2451.9	9973.1	2451.1	10000.0
GR	2452.9	10018.9	2451.6	10055.8	2454.2	10075.7	2453.7	10144.5	2451.0	10245.3
GR	2446.8	10309.6	2446.9	10325.7	2459.7	10346.5	2461.4	10357.1	2462.3	10394.0
GR	2465.0	10443.2	2465.6	10466.0	2465.3	10486.2	2467.0	10517.1	2467.6	10518.3
	2476.1	10579.7								

WEST BRAID ELIMINATED FROM RUN

X1	2570	13	9685.0	10025.0	310	330	320			
GR	2480.0	9655.0	2460.7	9685.0	2460.8	9705.0	2461.0	9720.0	2463.0	9750.0
GR	2461.5	9860.0	2461.0	9920.0	2462.0	9940.0	2460.5	9965.0	2460.0	9985.0
GR	2459.5	10000.0	2462.0	10025.0	2472.0	10026.0				
NH	5	.05	9607.6	.04	9673.0	.05	9953.8	.035	10050.2	.05
NH	10201									
X1	2620	18	9633.9	10050.2	250	270	260			
GR	2491.6	9564.4	2468.0	9607.6	2468.2	9619.0	2470.7	9633.9	2468.6	9653.1
GR	2467.9	9667.0	2469.1	9673.0	2469.4	9688.6	2471.3	9749.8	2471.2	9851.2
GR	2469.9	9953.8	2465.4	9985.6	2466.8	10000.0	2468.6	10016.3	2466.6	10050.2
GR	2487.1	10070.3	2493.6	10134.0	2495.3	10201				
NH	5	.05	9673.3	.04	9700.3	.05	9924.9	.035	10020.2	.05
NH	10069									
X1	2690	20	9611.9	10020.2	370	370	370			
GR	2502.5	9566.6	2490.1	9589.5	2484.2	9611.9	2483.8	9630.6	2482.5	9656.7
	2480.8	9673.3	2481.2	9700.3	2481.4	9700.3	2481.2	9722.8	2482.1	9755.8
	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

```
QT      4      1225      1782      2048      2512

NC    .05       .05      .048

          QT VALUES FROM CP 50
X1   2760        13    9919.8    9981.2       370       370       370
GR  2530.1    9830.3    2517.9    9869.9    2503.7    9902.5    2494.2    9919.8    2492.5    9961.1
GR  2494.1    9981.2    2494.0    9982.5    2493.4   10000.0    2493.7   10020.8    2494.1   10063.3
GR  2492.1   10116.4    2511.1   10141.8    2513.0   10150.9


X1   2840         9    9986.4   10017.7       410       430       420
GR  2522.3    9954.0    2505.8    9986.4    2502.9    9995.0    2505.4   10000.0    2507.5   10017.7
GR  2507.5   10061.3    2507.4   10125.0    2519.7   10146.8    2530.9   10160.5


NC    .05       .05      .035

X1   2900        10    9988.6   10012.9       310       330       320
GR  2536.3    9963.8    2512.6    9988.6    2512.9    9989.9    2511.6   10000.0    2514.1   10012.9
GR  2516.3   10026.3    2516.6   10065.1    2517.3   10124.9    2516.4   10137.4    2532.3   10169.6


          CONFLUENCE WITH ROWE TRIB. 1.
   3010        11    9991.2   10009.3       580       580       580
  2550.6    9929.2    2533.2    9961.3    2533.2    9973.2    2530.4    9991.2    2531.3   10000.0
GR 2531.3   10009.3    2534.2   10019.7    2534.9   10046.5    2534.5   10076.1    2538.3   10088.3
GR 2555.4   10124.6


QT      4       790      1158      1334      1639

NC    .05       .05      .045

          QT VALUES FROM CP 50A
X1   3090         9    9984.3   10013.1       420       420       420
GR  2561.4    9916.1    2551.5    9941.4    2547.8    9977.2    2546.6    9984.3    2543.7   10000.0
GR  2545.8   10013.1    2548.1   10015.8    2567.3   10043.5    2565.5   10051.1


NC   .055      .055      .045

X1   3160         7    9991.0   10004.8       360       390       370
GR  2581.1    9960.5    2562.4    9991.0    2560.8    9998.3    2561.3   10000.0    2562.9   10004.8
GR  2566.1   10010.1    2589.0   10039.5


X1   3250        16    9973.2   10009.8       480       480       480
GR  2602.9    9949.4    2590.1    9973.2    2587.9    9987.2    2588.1    9989.2    2588.5    9998.6
    2588.9   10000.0    2590.2   10009.8    2590.5   10010.0    2592.4   10019.5    2592.3   10033.3
    2597.5   10047.5    2605.3   10064.4    2605.8   10078.4    2604.7   10102.9    2606.0   10128.0
GR  2608.5   10136.2
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X1    3320       8    9987.9   10009.7     380     360     370
GR   2618.8  9944.2    2615.5    9964.5  2607.0  9978.5  2600.0   9987.9   2600.6  10000.0
GR   2600.8 10009.7    2602.3   10012.4  2615.6 10032.9

X1    3410       9    9990.1   10009.4     480     480     480
GR   2646.1  9924.8    2641.6    9952.5  2634.8  9970.5  2625.2   9987.6   2624.8   9990.1
GR   2622.4  9997.4    2622.2   10000.0  2627.0 10009.4  2648.6  10037.5

X1    3470       7    9990.8   10000.0     330     310     320
GR   2664.0  9962.5    2642.3    9990.8  2640.0  9997.9  2643.5  10000.0   2652.6  10014.1
GR   2659.5 10039.0    2664.9   10046.9

X1    3520       8   10008.9   10017.4     240     280     260
GR   2679.9  9956.3    2663.3    9981.3  2662.7  9992.0  2662.7  10000.0   2661.1  10008.9
GR   2660.3 10017.4    2673.4   10035.6  2678.3 10046.8

X1    3590       7    9986.5   10000.0     380     360     370
GR   2705.3  9961.1    2684.0    9986.5  2681.8  9997.1  2684.8  10000.0   2692.5  10009.8
GR   2708.1 10038.3    2709.8   10042.2

X1    3680       9    9993.1   10000.0     480     480     480
GR   2742.9  9966.4    2727.8    9982.1  2721.5  9985.6  2716.2   9993.1   2716.2  10000.0
GR   2723.2 10011.5    2725.4   10015.7  2738.1 10042.2  2738.0  10044.8

X1    3780       7    9998.9   10009.1     520     540     530
GR   2773.8  9958.6    2765.1    9982.6  2760.3  9988.0  2751.6   9998.9   2751.9  10000.0
GR   2753.2 10009.1    2769.1   10031.4

X1    3880       6    9987.9   10011.4     550     510     530
GR   2820.3  9956.5    2805.6    9987.9  2802.1 10000.0  2805.7  10011.4   2812.8  10039.3
GR   2822.9 10065.0

X1    3940       7    9987.4   10000.0     270     290     280
GR   2833.1  9943.9    2818.2    9987.4  2815.8  9995.1  2817.6  10000.0   2822.7  10010.8
GR   2837.5 10039.6    2837.6   10044.4

        CONFLUENCE WITH ROWE TRIB. 2.
X1    3980      10    9984.3   10011.5     270     250     260
GR   2853.3  9928.8    2845.4    9954.8  2843.2  9972.7  2839.8   9984.3   2833.9   9995.3
GR   2836.1 10000.0    2838.7   10011.5  2838.8 10012.5  2846.6  10030.7   2853.5  10042.1
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QT       4       217       305       352       433

         QT VALUES FROM SUBWTRSHD H1F
X1    4050        10    9985.8   10000.0       360       380       370
GR  2884.8    9938.4    2871.6    9958.2    2864.5    9978.5    2861.7    9985.8    2860.8    9994.1
GR  2861.6   10000.0    2865.4   10010.8    2878.7   10032.5    2873.7   10058.0    2882.4   10074.4

X1    4160        16    9968.8   10000.0       580       580       580
GR  2945.6    9901.5    2935.2    9929.9    2927.5    9956.7    2927.5    9960.0    2922.5    9968.8
GR  2923.8    9978.9    2924.7    9986.0    2924.3   10000.0    2927.9   10011.0    2930.6   10024.2
GR  2938.7   10039.0    2945.7   10053.4    2943.8   10089.9    2944.3   10094.1    2948.6   10105.1
GR  2955.8   10127.8

X1    4250        14    9985.1   10007.4       500       460       480
GR  2985.4    9925.3    2982.1    9945.6    2972.7    9965.6    2968.9    9981.3    2968.3    9985.1
GR  2965.2    9996.3    2965.9   10000.0    2967.6   10007.4    2967.8   10010.8    2967.8   10022.8
GR  2976.5   10047.4    2980.0   10064.0    2979.8   10081.6    2985.4   10107.6

X1    4350         7    9990.8   10000.0       530       530       530
GR  3063.1    9953.1    3053.6    9977.8    3038.8    9990.8    3042.0   10000.0    3044.9   10011.4
GR  3059.3   10038.0    3061.9   10046.7

X1    4440         8    9988.3   10013.0       480       480       480
GR  3158.9    9952.6    3145.9    9975.6    3137.1    9988.3    3132.8   10000.0    3138.7   10013.0
GR  3146.0   10040.4    3151.3   10071.6    3152.4   10078.7

X1    4530         5    9991.0   10000.0       480       480       480
GR  3269.5    9947.8    3254.5    9968.2    3241.6    9991.0    3246.1   10000.0    3260.9   10023.3
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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 1



CCHV=     .100 CEHV=     .300
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT******************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     2.70  2313.70      .00  2313.70  2314.24      .54      .00      .00  2312.00
    3033.       5.    1288.    1740.       2.     191.     336.       0.       0.   2312.00
      .00     2.52     6.75     5.17     .048     .042     .048     .000  2311.00  9967.88
  .011400       0.       0.       0.        0        0        0      .00   287.12 10255.00


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     2.94  2326.94  2326.94      .00  2327.54      .60     7.45      .02  2324.40
    3033.     239.    2794.       0.      37.     452.       0.       5.       3.   2329.70
      .02     6.40     6.18      .00     .050     .048     .000     .000  2324.00  9953.33
  .033942     400.     420.     380.       20        8        0      .00   429.89 10383.22


*SECNO 1740.000
 1740.000     2.40  2345.90      .00      .00  2346.28      .38    18.72      .02  2344.00
    3033.      19.    3014.       0.       5.     612.       0.      14.      11.   2346.00
      .06     3.84     4.92      .00     .050     .048     .000     .000  2343.50  9574.80
  .019556     750.     740.     730.        5        0        0      .00   509.62 10084.42


1490 NH CARD USED
*SECNO 1830.000
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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

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

1830.000	5.34	2361.24	2361.24	.00	2361.82	.58	11.93	.06	2362.20
3033.	120.	2913.	0.	264.	466.	0.	22.	17.	2361.20
.08	.45	6.25	.05	1.096	.048	.000	.000	2355.90	9392.88
.032552	500.	480.	480.	20	27	0	.00	545.08	10103.77

*SECNO 1940.000

3265 DIVIDED FLOW

1940.000	6.01	2376.11	.00	.00	2376.79	.68	14.94	.03	2374.80
3033.	1444.	1589.	0.	192.	280.	0.	30.	23.	2376.20
.11	7.54	5.68	.00	.050	.048	.000	.000	2370.10	9635.69
.00880	580.	580.	580.	6	0	0	.00	290.47	10026.88

*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2050.000	2.67	2392.07	2392.07	.00	2392.73	.66	14.91	.00	2391.10
3033.	393.	2593.	47.	67.	390.	8.	36.	27.	2389.80
.13	5.84	6.64	5.71	.050	.048	.050	.000	2389.40	9608.62
.032026	590.	580.	600.	5	18	0	.00	363.72	10026.16

*SECNO 2140.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

2140.000	3.65	2404.75	2404.70	.00	2405.93	1.18	13.05	.16	2404.60
3033.	0.	2980.	53.	0.	340.	9.	40.	30.	2401.70
.15	.82	8.76	5.61	.050	.048	.050	.000	2401.10	9827.38
.023427	470.	480.	470.	6	11	0	.00	142.65	10051.48

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 2250.000

3301 HV CHANGED MORE THAN HVINS

2250.000	3.14	2417.14	.00	.00	2417.67	.53	11.68	.06	2423.50
3033.	0.	3033.	0.	0.	517.	0.	46.	33.	2417.80
.17	.00	5.86	.00	.000	.048	.000	.000	2414.00	9774.90
.017524	450.	580.	500.	6	0	0	.00	301.95	10076.85

*SECNO 2370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2370.000	4.73	2435.53	2435.53	.00	2436.51	.97	13.84	.13	2432.30
3033.	41.	2992.	0.	7.	377.	0.	53.	37.	2438.50
.20	5.93	7.94	.00	.050	.048	.000	.000	2430.80	9979.11
28324	630.	630.	630.	3	14	0	.00	204.04	10395.54

*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

2450.000	3.63	2445.33	.00	.00	2445.75	.43	9.19	.05	2441.90
3033.	197.	2818.	18.	26.	559.	5.	57.	40.	2443.30
.22	7.59	5.04	3.74	.050	.048	.050	.000	2441.70	9978.59
.017378	430.	420.	410.	4	0	0	.00	422.75	10401.34

*SECNO 2510.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
CONFLUENCE WITH GRAPEVINE WASH

2510.000	5.49	2452.29	2452.29	.00	2453.27	.99	4.94	.17	2452.40
3033.	0.	115.	2918.	0.	49.	360.	61.	42.	2453.70
.23	.00	2.32	8.12	.000	.048	.050	.000	2446.80	9938.58
4182	330.	320.	310.	3	14	0	.00	235.69	10334.45

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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 2570.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          WEST BRAID ELIMINATED FROM RUN
 2570.000     3.23  2462.73  2462.73      .00  2463.46      .73      6.60      .03  2460.70
    3033.      15.     3018.       0.       3.      441.       0.      64.      44.   2462.00
      .24     4.76      6.85      .05     .050      .048     .050     .000  2459.50  9681.84
  .031540     310.      320.     330.        4        14        0      .00   319.77 10025.07


1490 NH CARD USED
*SECNO 2620.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
     CRITICAL DEPTH ASSUMED
 2620.000     4.82  2470.22  2470.22      .00  2471.10      .88      4.56      .05  2470.70
    2940.     217.     2699.      23.      41.      351.       6.      67.      46.   2466.60
      .25     5.31      7.69     3.66     .041      .030     .050     .000  2465.40  9603.53
  .011034     250.      260.     270.        4        14        0      .00   229.56 10053.75


1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2690.000     4.92  2480.22  2480.22      .00  2481.35     1.13      4.69      .07  2484.20
    2940.       0.     2848.      92.       0.      330.      24.      70.      47.   2478.60
      .27      .00      8.63     3.79     .000      .038     .050     .000  2475.30  9888.43
  .014700     370.      370.     370.       20         5        0      .00   155.95 10044.38


*SECNO 2760.000

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
          QT VALUES FROM CP 50
 2760.000     2.43  2494.53  2494.53      .00  2495.03      .50      6.53      .06  2494.20
    1225.       0.      441.      784.       0.      73.     142.      72.      49.   2494.10
      .28      .05      6.01      5.52     .050     .048     .050     .000  2492.10  9919.20
  .029762     370.      370.      370.      20       9        0      .00   200.45 10119.65


*SECNO 2840.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2840.000     5.65  2508.55  2508.55      .00  2509.22      .66      8.76      .05  2505.80
    1225.      31.      744.      450.       7.      95.     117.      74.      50.   2507.50
      .30     4.19      7.80      3.84     .050     .048     .050     .000  2502.90  9981.00
  .015105     410.      420.      430.      10       21       0      .00   146.05 10127.04


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     5.74  2517.34  2517.34      .00  2518.27      .93      2.66      .08  2512.60
    1225.      36.      984.      205.      12.     115.      93.      76.      52.   2514.10
      .31     3.06      8.54      2.19     .050     .035     .050     .000  2511.60  9983.64
  .005174     310.      320.      330.      20        5       0      .00   155.66 10139.30


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     4.53  2534.93  2534.93      .00  2535.91      .98      3.84      .02  2530.40
    1225.     421.      679.      125.      80.      70.      40.      79.      53.   2531.30
      .34     5.30      9.75      3.15     .050     .035     .050     .000  2530.40  9958.12
  .008793     580.      580.      580.      20       15       0      .00   119.35 10077.47


*SECNO 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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        QT VALUES FROM CP 50A
 3090.000     4.18  2547.88  2547.88      .00  2549.14     1.26     4.82      .08  2546.60
    790.       15.     766.       9.       5.      84.       3.      80.      54.   2545.80
     .35      3.10     9.15     3.49     .050     .045     .050     .000  2543.70  9976.46
  .018848     420.     420.     420.       20       11        0      .00    39.08 10015.54


*SECNO 3160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3160.000     5.42  2566.22  2566.22      .00  2567.95     1.73     6.41      .14  2562.40
    790.       56.     693.      40.      12.      62.       9.      81.      54.   2562.90
     .36      4.73    11.13     4.42     .055     .045     .055     .000  2560.80  9984.77
  .015958     360.     370.     390.       20       11        0      .00    25.49 10010.26


*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3250.000     3.45  2591.35  2591.35      .00  2592.52     1.17     8.80      .06  2590.10
    790.        4.     782.       5.       1.      90.       2.      82.      55.   2590.20
     .37      2.65     8.71     2.25     .055     .045     .055     .000  2587.90  9970.87
  .021300     480.     480.     480.       20       14        0      .00    43.40 10014.27


*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3320.000     3.70  2603.70  2603.70      .00  2605.15     1.45     7.53      .08  2600.00
    790.       45.     707.      37.       9.      70.       7.      83.      55.   2600.80
     .38      4.91    10.06     5.11     .055     .045     .055     .000  2600.00  9982.93
  .019483     380.     370.     360.        4        8        0      .00    31.64 10014.56


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     5.30  2627.50  2627.50      .00  2629.12     1.62     9.58      .05  2624.80
    790.       62.     728.       0.      11.      69.       0.      84.      56.   2627.00
     .40      5.69    10.51     1.31     .055     .045     .055     .000  2622.20  9983.51
  .020470     480.     480.     480.       20       14        0      .00    26.54 10010.05
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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 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470.000	7.10	2647.10	2647.10	.00	2649.13	2.04	6.15	.12	2642.30
790.	84.	658.	48.	15.	53.	10.	84.	56.	2643.50
.41	5.57	12.32	4.78	.055	.045	.055	.000	2640.00	9984.54
.018031	330.	320.	310.	20	11	0	.00	21.03	10005.57

*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

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

3520.000	4.36	2664.66	2664.66	.00	2665.81	1.15	4.56	.09	2661.10
790.	353.	368.	69.	59.	34.	13.	85.	56.	2660.30
.41	5.93	10.93	5.24	.055	.045	.055	.000	2660.30	9979.25
.017582	240.	260.	280.	20	14	0	.00	44.21	10023.46

*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

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

3590.000	5.87	2687.67	2687.67	.00	2689.63	1.95	6.63	.24	2684.00
790.	37.	733.	21.	8.	63.	5.	85.	56.	2684.80
.42	4.56	11.59	3.94	.055	.045	.055	.000	2681.80	9982.12
.018065	380.	370.	360.	20	11	0	.00	21.53	10003.65

*SECNO 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	5.66	2721.86	2721.86	.00	2723.66	1.80	7.83	.02	2716.20
790.	135.	499.	156.	23.	39.	26.	86.	56.	2716.20
.44	5.98	12.76	5.92	.055	.045	.055	.000	2716.20	9985.40
.014790	480.	480.	480.	20	8	0	.00	23.91	10009.30

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 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3780.000	5.73	2757.33	2757.33	.00	2759.23	1.90	8.38	.03	2751.60
790.	124.	607.	59.	21.	50.	12.	87.	57.	2753.20
.45	6.02	12.24	4.97	.055	.045	.055	.000	2751.60	9991.73
.016966	520.	530.	540.	20	5	0	.00	23.16	10014.89

*SECNO 3880.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3880.000	5.10	2807.20	2807.20	.00	2808.66	1.47	9.52	.04	2805.60
790.	8.	769.	13.	3.	78.	4.	88.	57.	2805.70
.47	3.00	9.84	3.01	.055	.045	.055	.000	2802.10	9984.49
.019005	550.	530.	510.	20	15	0	.00	32.79	10017.28

*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3940.000	5.69	2821.49	2821.49	.00	2823.08	1.60	4.81	.04	2818.20
790.	72.	640.	79.	16.	58.	16.	89.	57.	2817.60
.47	4.53	11.03	4.92	.055	.045	.055	.000	2815.80	9977.80
.015619	270.	280.	290.	20	8	0	.00	30.43	10008.23

*SECNO 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
CONFLUENCE WITH ROWE TRIB. 2.

3980.000	5.82	2839.72	2839.72	.00	2841.18	1.47	4.85	.01	2839.80
790.	0.	784.	6.	0.	80.	2.	89.	57.	2838.70
.48	.00	9.76	3.12	.000	.045	.055	.000	2833.90	9984.46
.022721	270.	260.	250.	20	8	0	.00	30.18	10014.64

*SECNO 4050.000

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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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM SUBWTRSHD H1F
 4050.000     2.32  2863.12  2863.12      .00  2863.91      .79     8.34      .07  2861.70
    217.       8.     199.      10.       3.      27.       3.      90.      58.   2861.60
     .50      3.03     7.42     3.19     .055     .045     .055     .000  2860.80  9982.11
  .021844     360.     370.     380.       20       18        0      .00    22.20 10004.31


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.50  2925.00  2925.00      .00  2925.54      .54    15.45      .03  2922.50
    217.       29.     186.       2.       6.      31.       1.      90.      58.   2924.30
     .52      5.21     5.99     2.37     .055     .045     .055     .000  2922.50  9964.39
  .033224     580.     580.     580.       20        8        0      .00    37.76 10002.15


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     2.87  2968.07  2968.07      .00  2968.64      .57    12.10      .01  2968.30
    217.        0.     209.       8.       0.      34.       5.      91.      58.   2967.60
     .55       .00     6.17     1.67     .000     .045     .055     .000  2965.20  9985.94
  .019704     500.     480.     460.       20       11        0      .00    37.62 10023.56


*SECNO 4350.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4350.000     3.87  3042.67  3042.67      .00  3043.72     1.05    11.80      .14  3038.80
    217.       33.     182.       2.       7.      21.       1.      91.      59.   3042.00
     .56      5.06     8.73     2.02     .055     .045     .055     .000  3038.80  9987.40
  .025364     530.     530.     530.       20       11        0      .00    15.21 10002.62
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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 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4440.000     3.42  3136.22  3136.22      .00  3137.10      .88    12.83      .02  3137.10
     217.       0.     217.       0.       0.      29.       0.     92.      59.   3138.70
      .58      .00     7.53      .00     .000     .045     .000     .000  3132.80  9990.69
  .028195     480.     480.     480.       20       15        0      .00    16.84 10007.54


*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4530.000     3.85  3245.45  3245.45      .00  3246.42      .97    14.55      .03  3241.60
     217.      90.     127.       0.      13.      15.       0.     92.      59.   3246.10
      .60     6.89     8.57      .00     .055     .045     .000     .000  3241.60  9984.20
  .032674     480.     480.     480.       20        8        0      .00    14.50  9998.70
```

TW WIER BETWEEN SECTIONS 2.62 AND 2.76

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
93.07	93.06	.02	93.07	93.06	.02	6	2470.221	2494.529	2620.000	2760.000

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   50-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

              3                                                    2314.31

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
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 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT******************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     3.31  2314.31      .00  2314.31  2314.98      .66      .00      .00  2312.00
    4531.      10.    1822.    2699.       3.     240.     471.       0.       0.   2312.00
      .00     2.99     7.60     5.74     .048     .042     .048     .000  2311.00  9967.11
  .010676       0.       0.       0.        0        0        0      .00   318.39 10285.50


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.29  2327.29  2327.29      .00  2328.06      .77     6.93      .03  2324.40
    4531.     324.    4207.       0.      48.     594.       0.       6.       4.   2329.70
      .02     6.70     7.08      .00     .050     .048     .000     .000  2324.00  9949.24
  .031226     400.     420.     380.       20        5        0      .00   437.05 10386.29


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     2.71  2346.21      .00      .00  2346.74      .53    18.65      .02  2344.00
    4531.      29.    4502.       0.       7.     769.       0.      18.      12.   2346.00
      .05     4.38     5.86      .04     .050     .048     .050     .000  2343.50  9573.95
  .020747     750.     740.     730.        5        0        0      .00   516.60 10117.28
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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


1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1830.000     5.65  2361.55  2361.55      .00  2362.34      .80     12.78      .08  2362.20
    4531.     207.     4324.      0.     313.     590.      0.      28.      18.   2361.20
      .07      .66      7.33      .06     .794     .048     .050     .000  2355.90  9391.19
  .035299     500.      480.     480.      20       23        0      .00   589.74 10104.24


*SECNO 1940.000

3265 DIVIDED FLOW

 1940.000     6.55  2376.65      .00      .00  2377.45      .81     15.11      .00  2374.80
    4531.    2000.     2530.       1.     247.     394.       1.      38.      24.   2376.20
      .09     8.09      6.42     1.54     .050     .048     .050     .000  2370.10  9610.76
  .020010     580.      580.     580.        7        0        0      .00   331.58 10032.56


*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2050.000     3.08  2392.48  2392.48      .00  2393.31      .83     14.12      .01  2391.10
    4531.     629.     3827.     75.      92.     516.     11.      46.      29.   2389.80
      .11     6.83      7.42     6.70     .050     .048     .050     .000  2389.40  9607.08
  .029915     590.      580.     600.        5       14        0      .00   385.11 10026.54


*SECNO 2140.000

3265 DIVIDED FLOW


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

2140.000	4.52	2405.62	2405.62	.00	2406.97	1.34	12.53	.15	2404.60
4531.	17.	4412.	102.	6.	471.	16.	53.	32.	2401.70
.13	2.88	9.37	6.58	.050	.048	.050	.000	2401.10	9817.72
.023074	470.	480.	470.	3	11	0	.00	186.24	10053.24

*SECNO 2250.000

3301 HV CHANGED MORE THAN HVINS

2250.000	3.65	2417.65	.00	.00	2418.35	.70	11.32	.06	2423.50
4531.	0.	4531.	0.	0.	674.	0.	60.	35.	2417.80
.15	.00	6.72	.00	.000	.048	.000	.000	2414.00	9773.22
.016789	450.	580.	500.	5	0	0	.00	309.83	10083.05

*SECNO 2370.000

[illegible] DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2370.000	5.40	2436.20	2436.20	.00	2437.32	1.12	13.32	.13	2432.30
4531.	66.	4465.	0.	10.	523.	0.	69.	39.	2438.50
.17	6.61	8.53	.00	.050	.048	.000	.000	2430.80	9978.23
.027426	630.	630.	630.	3	14	0	.00	248.40	10400.06

*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

2450.000	4.02	2445.72	.00	.00	2446.29	.56	8.91	.06	2441.90
4531.	242.	4260.	29.	30.	723.	7.	75.	42.	2443.30
.19	8.04	5.89	4.16	.050	.048	.050	.000	2441.70	9978.21
.016873	430.	420.	410.	4	0	0	.00	424.09	10402.30

*SECNO 2510.000

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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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH GRAPEVINE WASH
 2510.000     6.22  2453.02  2453.02      .00  2454.05     1.03     4.81      .14  2452.40
    4531.      0.     511.    4020.       0.     137.     471.      80.      45.   2453.70
      .20     1.38     3.74     8.53     .050     .048     .050     .000  2446.80  9934.59
  .013832     330.     320.     310.        4       14        0      .00   298.00 10335.65


*SECNO 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         WEST BRAID ELIMINATED FROM RUN
 2570.000     3.68  2463.18  2463.18      .00  2464.09      .91     6.34      .01  2460.70
    4531.      25.    4506.       0.       5.     587.       0.      85.      47.   2462.00
      .22     5.26     7.67      .05     .050     .048     .050     .000  2459.50  9681.15
     9672     310.     320.     330.        4       14        0      .00   343.96 10025.12


1490 NH CARD USED
*SECNO 2620.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2620.000     5.43  2470.83  2470.83      .00  2471.77      .94     4.40      .01  2470.70
    4323.     359.    3930.      35.      59.     495.       9.      88.      49.   2466.60
      .23     6.06     7.93     4.00     .041     .029     .050     .000  2465.40  9602.41
  .010734     250.     260.     270.        4       15        0      .00   306.73 10054.35


1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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
 2690.000     5.86  2481.16  2481.16      .00  2482.24      1.08      4.99       .04  2484.20
    4323.       0.     4032.     292.       0.     475.       49.       93.       52.   2478.60
      .24      .00      8.48      5.91    .000     .042      .050      .000  2475.30  9669.79
  .017473     370.      370.      370.      20        8         0       .00   225.50 10049.90


*SECNO 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50
 2760.000     2.68  2494.78  2494.78      .00  2495.48       .70      7.57       .04  2494.20
    1782.       1.      631.     1150.       0.      89.      177.       96.       53.   2494.10
      .25     2.14      7.08      6.48    .050     .048      .050      .000  2492.10  9918.74
  .031939     370.      370.      370.      20       18         0       .00   201.25 10119.99


*SECNO 2840.000
[illegible] MINIMUM SPECIFIC ENERGY
[illegible] CRITICAL DEPTH ASSUMED
 2840.000     6.01  2508.91  2508.91      .00  2509.76       .85      9.74       .05  2505.80
    1782.      46.      958.      778.      10.     107.      157.       99.       55.   2507.50
      .27     4.85      8.98      4.96    .050     .048      .050      .000  2502.90  9980.29
  .017227     410.      420.      430.      11       17         0       .00   147.40 10127.68


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     6.32  2517.92  2517.92      .00  2518.97      1.05      2.95       .06  2512.60
    1782.      51.     1246.      485.      15.     129.      168.      101.       56.   2514.10
      .28     3.45      9.62      2.89    .050     .035      .050      .000  2511.60  9983.03
  .005629     310.      320.      330.      20        8         0       .00   157.46 10140.49


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     5.15  2535.55  2535.55      .00  2536.67      1.12      4.04       .02  2530.40
    1782.     606.      876.      300.     101.      81.       83.      105.       58.   2531.30
      .30     6.02     10.82      3.61    .050     .035      .050      .000  2530.40  9956.96
  [illegible]8846     580.      580.      580.      20       15         0       .00   122.52 10079.48
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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 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
QT VALUES FROM CP 50A

3090.000	5.02	2548.72	2548.72	.00	2550.16	1.44	4.58	.10	2546.60
1158.	62.	1074.	22.	15.	108.	5.	107.	59.	2545.80
.31	4.16	9.93	4.39	.050	.045	.050	.000	2543.70	9968.27
.015798	420.	420.	420.	20	8	0	.00	48.43	10016.70

*SECNO 3160.000

3301 HV CHANGED MORE THAN HVINS

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

3160.000	6.49	2567.29	2567.29	.00	2569.38	2.09	5.72	.20	2562.40
1158.	106.	962.	90.	20.	77.	16.	108.	59.	2562.90
.32	5.43	12.49	5.71	.055	.045	.055	.000	2560.80	9983.02
.015137	360.	370.	390.	20	11	0	.00	28.61	10011.63

*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

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

3250.000	4.13	2592.03	2592.03	.00	2593.50	1.47	8.25	.06	2590.10
1158.	12.	1127.	19.	3.	114.	6.	109.	60.	2590.20
.34	3.40	9.84	3.15	.055	.045	.055	.000	2587.90	9969.61
.019669	480.	480.	480.	20	14	0	.00	48.03	10017.64

*SECNO 3320.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3320.000	4.58	2604.58	2604.58	.00	2606.38	1.79	6.92	.10	2600.00
1158.	76.	1011.	71.	14.	90.	12.	110.	60.	2600.80
.35	5.41	11.29	5.79	.055	.045	.055	.000	2600.00	9981.74
.017810	380.	370.	360.	9	8	0	.00	34.18	10015.92

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 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3410.000	6.32	2628.52	2628.52	.00	2630.47	1.95	8.60	.05	2624.80
1158.	118.	1036.	4.	19.	89.	1.	111.	60.	2627.00
.36	6.38	11.66	2.58	.055	.045	.055	.000	2622.20	9981.69
.018029	480.	480.	480.	20	11	0	.00	29.68	10011.37

*SECNO 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470.000	8.44	2648.44	2648.44	.00	2650.79	2.36	5.56	.12	2642.30
1158.	155.	896.	107.	25.	66.	19.	112.	61.	2643.50
.37	6.32	13.62	5.68	.055	.045	.055	.000	2640.00	9982.80
.016710	330.	320.	310.	20	11	0	.00	24.85	10007.65

*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

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

3520.000	5.03	2665.33	2665.33	.00	2666.76	1.43	4.46	.09	2661.10
1158.	568.	487.	103.	80.	39.	18.	113.	61.	2660.30
.37	7.12	12.35	5.87	.055	.045	.055	.000	2660.30	9978.24
.018212	240.	260.	280.	20	14	0	.00	46.16	10024.39

*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

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

3590.000	7.12	2688.92	2688.92	.00	2691.25	2.33	6.39	.27	2684.00
1158.	76.	1031.	51.	14.	80.	11.	114.	61.	2684.80
.38	5.26	12.86	4.75	.055	.045	.055	.000	2681.80	9980.63
.016241	380.	370.	360.	20	11	0	.00	24.62	10005.25

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 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	6.83	2723.03	2723.03	.00	2725.18	2.15	7.33	.02	2716.20
1158.	232.	672.	254.	32.	47.	38.	115.	61.	2716.20
.39	7.23	14.26	6.62	.055	.045	.055	.000	2716.20	9984.75
.014383	480.	480.	480.	20	8	0	.00	26.48	10011.23

*SECNO 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3780.000	6.95	2758.55	2758.55	.00	2760.82	2.27	7.92	.04	2751.60
1158.	199.	846.	114.	30.	62.	20.	116.	62.	2753.20
.41	6.56	13.62	5.67	.055	.045	.055	.000	2751.60	9990.19
.015573	520.	530.	540.	20	5	0	.00	26.41	10016.60

*SECNO 3880.000

3301 HV CHANGED MORE THAN HVINS

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

3880.000	6.03	2808.13	2808.13	.00	2809.87	1.74	8.54	.05	2805.60
1158.	26.	1087.	45.	7.	100.	12.	118.	62.	2805.70
.42	3.82	10.87	3.89	.055	.045	.055	.000	2802.10	9982.50
.016651	550.	530.	510.	20	15	0	.00	38.45	10020.95

*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3940.000	6.76	2822.56	2822.56	.00	2824.39	1.83	4.31	.03	2818.20
1158.	145.	868.	144.	28.	72.	26.	119.	62.	2817.60
.43	5.24	12.13	5.54	.055	.045	.055	.000	2815.80	9974.66
.014291	270.	280.	290.	20	8	0	.00	35.85	10010.51

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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 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     6.72  2840.62  2840.62      .00  2842.39     1.78     4.33      .00  2839.80
    1158.       2.     1132.      24.       1.     105.       6.     119.      63.   2838.70
      .44     2.03     10.80     4.13     .055     .045     .055     .000  2833.90  9981.51
  .019693     270.     260.     250.       20        5        0      .00    35.22 10016.74


*SECNO 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES FROM SUBWTRSHD H1F
     .000     2.75  2863.55  2863.55      .00  2864.49      .94     7.33      .08  2861.70
     305.      16.     270.      20.       4.      33.       5.     120.      63.   2861.60
      .45     3.48     8.19     3.63     .055     .045     .055     .000  2860.80  9980.98
  .020200     360.     370.     380.       20       18        0      .00    24.57 10005.54


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.79  2925.29  2925.29      .00  2925.93      .64    13.96      .03  2922.50
     305.      36.     265.       4.       7.      40.       1.     121.      63.   2924.30
      .47     5.24     6.63     2.79     .055     .045     .055     .000  2922.50  9963.89
  .029158     580.     580.     580.       20        5        0      .00    39.12 10003.02


*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4250.000     3.19  2968.39  2968.39      .00  2969.05      .66    11.30      .00  2968.30
     305.       0.     278.      27.       0.      41.      10.     121.      64.   2967.60
      .49      .04     6.78     2.67     .055     .045     .055     .000  2965.20  9984.51
  .019403     500.     480.     460.       20        8        0      .00    39.97 10024.48
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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 4350.000

3301 HV CHANGED MORE THAN HVINS

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

4350.000	4.49	3043.29	3043.29	.00	3044.48	1.19	10.74	.16	3038.80
305.	45.	250.	9.	9.	27.	3.	122.	64.	3042.00
.51	5.11	9.40	2.88	.055	.045	.055	.000	3038.80	9986.85
.021195	530.	530.	530.	20	11	0	.00	18.23	10005.08

*SECNO 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4440.000	3.92	3136.72	3136.72	.00	3137.73	1.01	11.43	.02	3137.10
305.	0.	305.	0.	0.	38.	0.	122.	64.	3138.70
.53	.00	8.06	.00	.000	.045	.000	.000	3132.80	9989.33
026923	480.	480.	480.	20	15	0	.00	19.30	10008.64

*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4530.000	4.40	3246.00	3246.00	.00	3247.12	1.12	13.97	.03	3241.60
305.	127.	178.	0.	17.	19.	0.	123.	64.	3246.10
.54	7.40	9.21	.00	.055	.045	.000	.000	3241.60	9983.22
.031550	480.	480.	480.	20	8	0	.00	16.58	9999.80

TW WIER BETWEEN SECTIONS 2.62 AND 2.76

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
207.53	207.40	.06	207.53	207.40	.06	5	2470.835	2494.784	2620.000	2760.000

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   100-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              4                                                     2314.50

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
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT******************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     3.50  2314.50      .00  2314.50  2315.28      .78      .00      .00  2312.00
    5307.      13.    2101.    3194.       4.     255.     516.       0.       0.   2312.00
      .00     3.28     8.24     6.19     .048     .042     .048     .000  2311.00  9966.88
  .011563       0.       0.       0.        0        0        0      .00   328.13 10295.00


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.45  2327.45  2327.45      .00  2328.31      .86     7.23      .03  2324.40
    5307.     371.    4936.       0.      54.     659.       0.       7.       4.   2329.70
      .02     6.88     7.49      .00     .050     .048     .000     .000  2324.00  9947.39
  .030646     400.     420.     380.       20        5        0      .00   440.28 10387.67


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     2.86  2346.36      .00      .00  2346.96      .60    18.62      .03  2344.00
    5307.      35.    5272.       0.       8.     844.       0.      20.      12.   2346.00
      .05     4.60     6.25     1.27     .050     .048     .050     .000  2343.50  9573.54
  .021007     750.     740.     730.        5        0        0      .00   520.95 10117.63
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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

1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

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

1830.000	5.80	2361.70	2361.70	.00	2362.58	.88	12.79	.08	2362.20
5307.	257.	5050.	0.	340.	653.	0.	30.	18.	2361.20
.07	.75	7.74	1.95	.700	.048	.050	.000	2355.90	9390.35
.034840	500.	480.	480.	20	26	0	.00	607.89	10104.48

*SECNO 1940.000

3265 DIVIDED FLOW

1940.000	6.77	2376.87	.00	.00	2377.76	.88	15.18	.00	2374.80
5307.	2285.	3018.	4.	271.	443.	2.	42.	24.	2376.20
.09	8.43	6.81	2.03	.050	.048	.050	.000	2370.10	9609.97
.020375	580.	580.	580.	6	0	0	.00	347.69	10034.33

*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2050.000	3.29	2392.69	2392.69	.00	2393.58	.88	13.80	.00	2391.10
5307.	754.	4463.	89.	105.	586.	13.	51.	29.	2389.80
.11	7.15	7.62	7.00	.050	.048	.050	.000	2389.40	9606.26
.027820	590.	580.	600.	5	11	0	.00	396.43	10026.75

*SECNO 2140.000

3265 DIVIDED FLOW

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
 2140.000     4.89  2405.99  2405.99      .00  2407.40      1.41     12.07       .16  2404.60
    5307.      38.    5139.     130.      11.     535.       19.       58.       33.   2401.70
      .12     3.52     9.60     6.96     .050     .048      .050      .000   2401.10  9813.62
  .022941     470.     480.     470.        3       14         0       .00    206.26 10053.99


*SECNO 2250.000

3301 HV CHANGED MORE THAN HVINS

 2250.000     3.88  2417.88      .00      .00  2418.66       .79     11.21       .06  2423.50
    5307.       0.    5307.       0.       0.     745.        0.       67.       36.   2417.80
      .15      .00     7.13      .04     .000     .048      .050      .000   2414.00  9772.46
  .016569     450.     580.     500.        5        0         0       .00    311.06 10083.52


*SECNO 2370.000

DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2370.000     5.67  2436.47  2436.47      .00  2437.67      1.20     13.11       .12  2432.30
    5307.      79.    5228.       0.      12.     593.        0.       77.       40.   2438.50
      .17     6.85     8.82      .00     .050     .048      .000      .000   2430.80  9977.86
  .026916     630.     630.     630.        3       14         0       .00    264.48 10401.96


*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

 2450.000     4.21  2445.91      .00      .00  2446.54       .63      8.81       .06  2441.90
    5307.     264.    5007.      35.      32.     798.        8.       84.       44.   2443.30
      .18     8.27     6.27     4.36     .050     .048      .050      .000   2441.70  9978.04
  .016792     430.     420.     410.        4        0         0       .00    424.71 10402.74


*SECNO 2510.000
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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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH GRAPEVINE WASH
 2510.000      6.53  2453.33  2453.33       .00  2454.37      1.03      4.75       .12  2452.40
    5307.        1.      774.     4532.       1.      178.      525.       89.       46.   2453.70
      .19      1.78      4.35      8.64      .050      .048      .050      .000  2446.80  9934.19
  .013559      330.      320.      310.        5        14         0       .00   312.84 10336.15


*SECNO 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         WEST BRAID ELIMINATED FROM RUN
 2570.000      3.87  2463.37  2463.37       .00  2464.38      1.01      6.15       .00  2460.70
    5307.       30.     5277.       0.       6.      654.       0.       94.       49.   2462.00
      .21      5.41      8.06       .05      .050      .048      .050      .000  2459.50  9680.85
   28378       310.      320.      330.        4        14         0       .00   344.29 10025.14


1490 NH CARD USED
*SECNO 2620.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2620.000      5.80  2471.20  2471.20       .00  2472.05       .85      3.97       .02  2470.70
    5010.      437.     4533.      41.      71.      601.      10.       98.       51.   2466.60
      .22      6.18      7.54      3.94      .041      .029      .050      .000  2465.40  9601.74
  .009298      250.      260.      270.        3        14         0       .00   348.23 10054.71


1490 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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
 2690.000     6.18  2481.48  2481.48      .00  2482.55     1.07     4.96      .07  2484.20
    5010.       0.     4594.     416.       0.     546.      59.     104.      53.   2478.60
      .23      .00     8.41     7.04     .000     .043     .050     .000  2475.30  9666.69
  .020996     370.     370.     370.       20        8        0      .00   278.15 10051.77


*SECNO 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50
 2760.000     2.82  2494.92  2494.92      .00  2495.68      .76     8.63      .03  2494.20
    2048.       1.     720.    1327.       0.      97.     196.     108.      55.   2494.10
      .24     2.42     7.40     6.77     .050     .048     .050     .000  2492.10  9918.49
  .030994     370.     370.     370.       20       18        0      .00   201.67 10120.17


*SECNO 2840.000
 MINIMUM SPECIFIC ENERGY
 CRITICAL DEPTH ASSUMED
 2840.000     6.22  2509.12  2509.12      .00  2510.00      .88     9.46      .04  2505.80
    2048.      54.    1039.     955.      11.     113.     179.     111.      57.   2507.50
      .26     4.99     9.19     5.33     .050     .048     .050     .000  2502.90  9979.89
  .016737     410.     420.     430.       11       19        0      .00   148.15 10128.04


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     6.54  2518.14  2518.14      .00  2519.25     1.11     3.00      .07  2512.60
    2048.      58.    1362.     628.      16.     135.     196.     113.      58.   2514.10
      .27     3.62    10.10     3.21     .050     .035     .050     .000  2511.60  9982.80
  .005882     310.     320.     330.       20        8        0      .00   158.13 10140.93


*SECNO 3010.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     5.43  2535.83  2535.83      .00  2536.98     1.15     4.10      .01  2530.40
    2048.     689.     958.     401.     110.      86.     103.     117.      60.   2531.30
      .29     6.25    11.15     3.91     .050     .035     .050     .000  2530.40  9956.45
   8672     580.     580.     580.       20       12        0      .00   123.92 10080.37
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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 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50A
 3090.000     5.33  2549.03  2549.03      .00  2550.58      1.55      4.50       .12  2546.60
    1334.      91.     1214.       29.      20.      117.       6.      119.       61.   2545.80
      .30     4.48     10.39     4.73     .050      .045     .050      .000  2543.70  9965.34
  .015602     420.      420.      420.       20         5       0       .00    51.79 10017.13


*SECNO 3160.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3160.000     6.95  2567.75  2567.75      .00  2569.99      2.23      5.61       .20  2562.40
    1334.     133.     1085.      116.      23.       83.      19.      121.       61.   2562.90
      .31     5.69     13.00     6.12     .055      .045     .055      .000  2560.80  9982.27
  .014742     360.      370.      390.       20        11       0       .00    29.96 10012.22


*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3250.000     4.60  2592.50  2592.50      .00  2593.90      1.40      7.32       .08  2590.10
    1334.      19.     1277.       38.       5.      132.      13.      122.       62.   2590.20
      .33     3.52      9.69     3.05     .055      .045     .055      .000  2587.90  9968.73
  .015774     480.      480.      480.       20        14       0       .00    65.12 10033.85


*SECNO 3320.000

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
 3320.000     4.95  2604.95  2604.95      .00  2606.90      1.95      6.12       .16  2600.00
    1334.      93.     1153.      88.      16.      98.      15.      123.      62.   2600.80
      .33     5.63     11.81     6.05     .055     .045     .055      .000  2600.00  9981.25
  .017371     380.      370.     360.      20        8        0       .00    35.24 10016.49


*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3410.000     6.73  2628.93  2628.93      .00  2631.04      2.11      8.37       .05  2624.80
    1334.     148.     1179.       7.      22.      97.       2.      125.      63.   2627.00
      .35     6.66     12.16     2.99     .055     .045     .055      .000  2622.20  9980.95
  .017489     480.      480.     480.      20       11        0       .00    30.96 10011.91


*SECNO 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3470.000     8.98  2648.98  2648.98      .00  2651.47      2.49      5.42       .11  2642.30
    1334.     193.     1001.     140.      29.      71.      23.      126.      63.   2643.50
      .35     6.62     14.15     6.02     .055     .045     .055      .000  2640.00  9982.09
  .016356     330.      320.     310.      20       11        0       .00    26.40 10008.49


*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3520.000     5.32  2665.62  2665.62      .00  2667.18      1.55      4.42       .09  2661.10
    1334.     673.      540.     120.      89.      42.      20.      126.      63.   2660.30
      .36     7.59     12.91     6.11     .055     .045     .055      .000  2660.30  9977.80
  .018335     240.      260.     280.      20       14        0       .00    47.00 10024.80


*SECNO 3590.000
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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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3590.000     7.65  2689.45  2689.45      .00  2691.93     2.48     6.30      .28  2684.00
    1334.      98.     1167.      70.      18.      87.      14.     128.      63.   2684.80
      .37     5.53    13.37     5.06     .055     .045     .055     .000  2681.80  9980.00
  .015678     380.     370.     360.       20       11        0      .00    25.91 10005.92


*SECNO 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3680.000     7.39  2723.59  2723.59      .00  2725.79     2.20     6.98      .03  2716.20
    1334.     278.      743.     313.      37.      51.      45.     129.      64.   2716.20
      .38     7.56    14.57     6.98     .055     .045     .055     .000  2716.20  9984.44
  .013513     480.     480.     480.       20        8        0      .00    27.81 10012.25


*SECNO 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3780.000     7.45  2759.05  2759.05      .00  2761.48     2.43     7.60      .07  2751.60
    1334.     237.      955.     143.      35.      67.      24.     130.      64.   2753.20
      .39     6.80    14.21     5.95     .055     .045     .055     .000  2751.60  9989.56
  .015248     520.     530.     540.       20        5        0      .00    27.74 10017.31


*SECNO 3880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3880.000     6.42  2808.52  2808.52      .00  2810.36     1.84     8.28      .06  2805.60
    1334.      37.     1231.      66.       9.     109.      16.     132.      64.   2805.70
      .41     4.11    11.28     4.20     .055     .045     .055     .000  2802.10  9981.67
  .015966     550.     530.     510.       20       15        0      .00    40.81 10022.47
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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 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3940.000     7.22  2823.02  2823.02      .00  2824.91     1.88     4.12      .01  2818.20
    1334.      185.     964.     185.      34.      77.      31.     133.      65.   2817.60
      .41     5.46    12.46     5.94     .055     .045     .055     .000  2815.80  9973.32
  .013590     270.     280.     290.      20        8        0      .00    38.11 10011.43


*SECNO 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     7.08  2840.98  2840.98      .00  2842.90     1.92     4.15      .01  2839.80
    1334.       6.    1293.      35.       2.     115.       8.     134.      65.   2838.70
      .42     2.55    11.27     4.48     .055     .045     .055     .000  2833.90  9980.27
  .019011     270.     260.     250.      20        5        0      .00    37.32 10017.59


*SECNO 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
         QT VALUES FROM SUBWTRSHD H1F
 4050.000     2.96  2863.76  2863.76      .00  2864.77     1.01     7.08      .09  2861.70
     352.      20.     306.      25.       6.      36.       7.     134.      65.   2861.60
      .43     3.68     8.53     3.82     .055     .045     .055     .000  2860.80  9980.43
  .019512     360.     370.     380.      20       18        0      .00    25.71 10006.14


*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4160.000     2.94  2925.44  2925.44      .00  2926.12      .69    13.22      .03  2922.50
     352.      40.     307.       6.       8.      45.       2.     135.      66.   2924.30
      .46     5.22     6.86     2.94     .055     .045     .055     .000  2922.50  9963.63
  .026962     580.     580.     580.      20        6        0      .00    39.84 10003.47
```

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 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4250.000	3.34	2968.54	2968.54	.00	2969.25	.71	10.79	.01	2968.30
352.	0.	314.	38.	0.	44.	13.	136.	66.	2967.60
.48	.90	7.07	3.04	.055	.045	.055	.000	2965.20	9983.57
.019037	500.	480.	460.	20	8	0	.00	41.33	10024.90

*SECNO 4350.000

3301 HV CHANGED MORE THAN HVINS

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

4350.000	4.75	3043.55	3043.55	.00	3044.83	1.28	10.49	.17	3038.80
352.	52.	285.	15.	10.	29.	5.	136.	66.	3042.00
.50	5.24	9.81	3.21	.055	.045	.055	.000	3038.80	9986.62
20602	530.	530.	530.	20	14	0	.00	19.49	10006.11

*SECNO 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4440.000	4.16	3136.96	3136.96	.00	3138.02	1.06	11.10	.02	3137.10
352.	0.	352.	0.	0.	43.	0.	137.	67.	3138.70
.51	.00	8.27	.00	.000	.045	.000	.000	3132.80	9988.68
.026153	480.	480.	480.	20	15	0	.00	20.48	10009.16

*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4530.000	4.59	3246.19	3246.19	.00	3247.46	1.27	14.05	.06	3241.60
352.	145.	207.	0.	19.	21.	0.	137.	67.	3246.10
.53	7.78	9.82	.05	.055	.045	.055	.000	3241.60	9982.88
.032967	480.	480.	480.	20	8	0	.00	17.26	10000.15

TW WIER BETWEEN SECTIONS 2.62 AND 2.76

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
296.62	296.05	.19	296.62	296.05	.19	5	2471.199	2494.918	2620.000	2760.000

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     FLOOD CONTROL DISTRICT OF MARICOPA COUNTY - LA027815.H2
T2   500-YR FLOOD FREQUENCY MODEL
T3   ROWE WASH     (RO.DAT)

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

              5                                                      2315.05

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



CCHV=     .100 CEHV=     .300
*SECNO 1520.000
        ***** STREAM REACH DISTANCES REVISED 9-18-90
       *******REVISED STREAMFLOWS FROM CVCRK43R.OUT*****************
         CONC.PT "51" (SEC.1.34-2.69); CONC.PT."50" (SEC.2.76-3.01)
         CONC.PT. "53" (SEC.3.09-3.98); SUBWTRSHD "H1F"(SEC.4.05-4.53 END)
         n-VALUES ARE A WEIGHTED AVG. OF SAND AND OVERBANK n-VALUES,
         USING THE RESPECTIVE WIDTHS OF SAND AND OVERBANK AREAS.
         A WIER WAS USED BETWEEN SEC.2.62 - 2.76 DUE TO SPLIT FLOW
         AROUND THE ISLAND AT THE GRAPEVINE CONFLUENCE.
         SEE RUN ROSPLIT.OUT
         QT VALUES FROM CP 51
         COMMON STATION IS 1520 FROM HTA FIS (ROWEWASH.DAT)
         BEGINNING WSEL ARE FROM HTA FIS (ROWEWASH.OUT)
 1520.000     4.05  2315.05      .00  2315.05  2315.85      .80      .00      .00  2312.00
    6687.      20.    2535.    4132.       6.     299.     659.       0.       0.   2312.00
      .00     3.46     8.48     6.27     .048     .042     .048     .000  2311.00  9966.19
  .009904       0.       0.       0.        0        0        0      .00   356.31 10322.50


*SECNO 1600.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 1600.000     3.77  2327.77  2327.77      .00  2328.73      .96     6.27      .05  2324.40
    6687.     454.    6233.       0.      66.     788.       0.       8.       4.   2329.70
      .01     6.92     7.91      .00     .050     .048     .000     .000  2324.00  9943.72
  .027177     400.     420.     380.       20       12        0      .00   446.70 10390.43


*SECNO 1740.000

3265 DIVIDED FLOW

 1740.000     3.05  2346.55      .00      .00  2347.31      .77    18.57      .02  2344.00
    6687.      45.    6641.       1.       9.     944.       0.      24.      12.   2346.00
      .04     5.10     7.03     1.80     .050     .048     .050     .000  2343.50  9573.01
  .023211     750.     740.     730.        5        0        0      .00   526.67 10118.09
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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

1490 NH CARD USED
*SECNO 1830.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1830.000	6.16	2362.06	2362.06	.00	2362.96	.90	12.14	.04	2362.20
6687.	365.	6320.	1.	415.	808.	1.	36.	19.	2361.20
.06	.88	7.82	2.51	.547	.048	.050	.000	2355.90	9388.82
.027574	500.	480.	480.	7	23	0	.00	651.77	10105.06

*SECNO 1940.000

3265 DIVIDED FLOW

1940.000	6.97	2377.07	2377.06	.00	2378.22	1.16	15.19	.08	2374.80
6687.	2822.	3857.	8.	295.	490.	3.	49.	25.	2376.20
.08	9.58	7.87	2.67	.050	.048	.050	.000	2370.10	9609.23
.024896	580.	580.	580.	8	11	0	.00	362.35	10035.98

*SECNO 2050.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2050.000	3.59	2392.99	2392.99	.00	2394.01	1.02	15.25	.01	2391.10
6687.	972.	5599.	115.	124.	685.	15.	60.	30.	2389.80
.10	7.84	8.17	7.64	.050	.048	.050	.000	2389.40	9605.14
.027513	590.	580.	600.	4	11	0	.00	411.91	10027.02

*SECNO 2140.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2140.000	5.48	2406.58	2406.58	.00	2408.05	1.47	11.77	.13	2404.60
6687.	104.	6403.	180.	21.	650.	24.	68.	34.	2401.70
.11	4.91	9.85	7.44	.050	.048	.050	.000	2401.10	9810.73
.022076	470.	480.	470.	3	14	0	.00	235.29	10055.18

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

*SECNO 2250.000

3301 HV CHANGED MORE THAN HVINS

2250.000	4.23	2418.23	.00	.00	2419.19	.95	11.08	.05	2423.50
6687.	0.	6686.	1.	0.	853.	1.	79.	38.	2417.80
.13	.00	7.84	1.35	.000	.048	.050	.000	2414.00	9771.31
.016809	450.	580.	500.	4	0	0	.00	314.17	10085.48

*SECNO 2370.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2370.000	6.12	2436.92	2436.92	.00	2438.23	1.31	13.02	.11	2432.30
6687.	102.	6585.	0.	14.	714.	0.	90.	42.	2438.50
.15	7.21	9.23	.00	.050	.048	.000	.000	2430.80	9977.27
26043	630.	630.	630.	3	14	0	.00	290.11	10405.01

*SECNO 2450.000

3301 HV CHANGED MORE THAN HVINS

2450.000	4.51	2446.21	.00	.00	2446.97	.75	8.68	.06	2441.90
6687.	304.	6336.	47.	35.	919.	10.	98.	45.	2443.30
.17	8.65	6.89	4.68	.050	.048	.050	.000	2441.70	9977.75
.016769	430.	420.	410.	4	0	0	.00	425.71	10403.46

*SECNO 2510.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
CONFLUENCE WITH GRAPEVINE WASH

2510.000	6.82	2453.62	2453.62	.00	2454.87	1.25	5.18	.15	2452.40
6687.	2.	1155.	5530.	1.	216.	577.	105.	48.	2453.70
.18	2.32	5.34	9.58	.050	.048	.050	.000	2446.80	9933.81
6010	330.	320.	310.	2	11	0	.00	326.60	10336.62

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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 2570.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        WEST BRAID ELIMINATED FROM RUN
 2570.000    4.20  2463.70  2463.70     .00  2464.87    1.17    6.59     .01  2460.70
    6687.     40.    6647.      0.      7.     766.      0.    110.     51.   2462.00
      .19    5.67     8.68     .93    .050     .048    .050    .000  2459.50  9680.34
  .026673    310.     320.    330.       4       14       0     .00   344.83 10025.17


1490 NH CARD USED
*SECNO 2620.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2620.000    6.04  2471.44  2471.44     .00  2472.44    1.00    4.34     .02  2470.70
    6271.    563.    5657.     51.     79.     697.     11.    115.     53.   2466.60
      .20    7.16     8.11    4.47    .041     .027    .050    .000  2465.40  9601.30
  .011217    250.     260.    270.       3       14       0     .00   453.65 10054.95


 0 NH CARD USED
*SECNO 2690.000
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2690.000    6.69  2481.99  2481.99     .00  2483.02    1.03    5.80     .01  2484.20
    6271.      0.    5640.    632.      0.     696.     76.    122.     57.   2478.60
      .21     .00     8.11    8.31    .000     .045    .050    .000  2475.30  9661.69
  .023453    370.     370.    370.      20       8       0     .00   373.67 10054.79


*SECNO 2760.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
        QT VALUES FROM CP 50
 2760.000    3.03  2495.13  2495.13     .00  2496.00     .87    9.27     .02  2494.20
    2512.      2.     874.   1636.      1.     111.    226.    126.     59.   2494.10
      .23    2.83     7.91    7.24    .050     .048    .050    .000  2492.10  9918.10
  .029846    370.     370.    370.      20      18       0     .00   202.36 10120.46
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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 2840.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2840.000     6.41  2509.31  2509.31      .00  2510.39     1.08    10.05      .06  2505.80
    2512.      67.     1213.     1232.      12.     119.     201.     130.      61.   2507.50
      .24     5.54     10.19     6.14     .050     .048     .050     .000  2502.90  9979.51
  .019163     410.      420.      430.      11       20        0      .00   148.88 10128.39


*SECNO 2900.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 2900.000     6.90  2518.50  2518.50      .00  2519.70     1.20     3.26      .04  2512.60
    2512.      70.     1548.      893.     18.     143.     241.     132.      62.   2514.10
      .25     3.87     10.79     3.70     .050     .035     .050     .000  2511.60  9982.43
  .006174     310.      320.      330.      20        8        0      .00   159.22 10141.65


 NO 3010.000
 5 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 1.
 3010.000     5.81  2536.21  2536.21      .00  2537.48     1.27     4.27      .02  2530.40
    2512.     832.     1104.      576.    123.      93.     130.     137.      64.   2531.30
      .27     6.74     11.90     4.44     .050     .035     .050     .000  2530.40  9955.75
  .008922     580.      580.      580.      20       12        0      .00   125.83 10081.58


*SECNO 3090.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          QT VALUES FROM CP 50A
 3090.000     5.89  2549.59  2549.59      .00  2551.22     1.63     4.44      .11  2546.60
    1639.     157.     1437.       44.     33.     133.      9.     140.      65.   2545.80
      .28     4.83     10.79     5.07     .050     .045     .050     .000  2543.70  9959.86
  .014142     420.      420.      420.      20        5        0      .00    58.10 10017.95


*SECNO 3160.000
```

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

3301 HV CHANGED MORE THAN HVINS

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

3160.000	7.68	2568.48	2568.48	.00	2570.94	2.46	5.26	.25	2562.40
1639.	184.	1290.	166.	30.	93.	25.	141.	65.	2562.90
.29	6.09	13.80	6.69	.055	.045	.055	.000	2560.80	9981.08
.014288	360.	370.	390.	20	11	0	.00	32.07	10013.16

*SECNO 3250.000

3301 HV CHANGED MORE THAN HVINS

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

0.000	5.09	2592.99	2592.99	.00	2594.49	1.50	6.94	.10	2590.10
1639.	30.	1521.	88.	8.	150.	25.	143.	66.	2590.20
.30	3.84	10.16	3.56	.055	.045	.055	.000	2587.90	9967.82
.014630	480.	480.	480.	20	14	0	.00	67.37	10035.19

*SECNO 3320.000

3301 HV CHANGED MORE THAN HVINS

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

3320.000	5.57	2605.57	2605.57	.00	2607.74	2.17	5.75	.20	2600.00
1639.	124.	1393.	122.	21.	111.	19.	145.	66.	2600.80
.31	5.93	12.56	6.41	.055	.045	.055	.000	2600.00	9980.42
.016535	380.	370.	360.	20	8	0	.00	37.01	10017.44

*SECNO 3410.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3410.000	7.40	2629.60	2629.60	.00	2631.95	2.35	7.98	.05	2624.80
1639.	203.	1420.	16.	29.	110.	4.	146.	66.	2627.00
.32	7.07	12.92	3.57	.055	.045	.055	.000	2622.20	9979.76
6705	480.	480.	480.	20	11	0	.00	33.03	10012.79

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 3470.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470.000	9.83	2649.83	2649.83	.00	2652.52	2.69	5.22	.10	2642.30
1639.	261.	1175.	203.	37.	79.	31.	147.	67.	2643.50
.33	7.06	14.95	6.53	.055	.045	.055	.000	2640.00	9980.98
.015871	330.	320.	310.	20	11	0	.00	28.83	10009.81

*SECNO 3520.000

3301 HV CHANGED MORE THAN HVINS

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

3520.000	5.80	2666.10	2666.10	.00	2667.84	1.74	4.35	.09	2661.10
1639.	858.	630.	151.	104.	46.	23.	148.	67.	2660.30
.34	8.29	13.73	6.48	.055	.045	.055	.000	2660.30	9977.09
.018368	240.	260.	280.	20	14	0	.00	48.36	10025.45

*SECNO 3590.000

3301 HV CHANGED MORE THAN HVINS

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

3590.000	8.44	2690.24	2690.24	.00	2693.00	2.76	6.22	.31	2684.00
1639.	139.	1396.	104.	23.	98.	19.	150.	67.	2684.80
.35	5.97	14.26	5.54	.055	.045	.055	.000	2681.80	9979.06
.015269	380.	370.	360.	20	14	0	.00	27.87	10006.92

*SECNO 3680.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3680.000	8.05	2724.25	2724.25	.00	2726.75	2.49	7.00	.03	2716.20
1639.	353.	871.	415.	43.	56.	53.	151.	68.	2716.20
.36	8.28	15.67	7.77	.055	.045	.055	.000	2716.20	9984.07
.013945	480.	480.	480.	20	11	0	.00	29.44	10013.51

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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 3780.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3780.000     8.11  2759.71  2759.71      .00  2762.53     2.82     7.88      .10  2751.60
    1639.     303.    1142.     194.      41.      74.      30.     153.      68.   2753.20
      .37     7.35    15.46     6.52     .055     .045     .055     .000  2751.60  9988.74
  .015903     520.     530.     540.       20        8        0      .00    29.49 10018.23


*SECNO 3880.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3880.000     7.03  2809.13  2809.13      .00  2811.14     2.01     8.22      .08  2805.60
    1639.      60.    1471.     108.      13.     124.      23.     155.      68.   2805.70
      .38     4.54    11.91     4.66     .055     .045     .055     .000  2802.10  9980.36
  .015093     550.     530.     510.       20       15        0      .00    44.52 10024.88


*SECNO 3940.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 3940.000     7.85  2823.65  2823.65      .00  2825.71     2.06     3.99      .01  2818.20
    1639.     255.    1127.     257.      43.      85.      39.     156.      69.   2817.60
      .39     5.89    13.22     6.64     .055     .045     .055     .000  2815.80  9971.49
  .013433     270.     280.     290.       20        8        0      .00    41.16 10012.65


*SECNO 3980.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
          CONFLUENCE WITH ROWE TRIB. 2.
 3980.000     7.70  2841.60  2841.60      .00  2843.70     2.10     3.97      .01  2839.80
    1639.      18.    1562.      59.       6.     132.      12.     157.      69.   2838.70
      .40     3.25    11.87     4.93     .055     .045     .055     .000  2833.90  9978.16
  .017569     270.     260.     250.       20        5        0      .00    40.88 10019.03
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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 4050.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
QT VALUES FROM SUBWTRSHD H1F

4050.000	3.30	2864.10	2864.10	.00	2865.21	1.11	6.57	.10	2861.70
433.	30.	367.	36.	7.	41.	9.	158.	69.	2861.60
.41	3.96	9.02	4.10	.055	.045	.055	.000	2860.80	9979.55
.018496	360.	370.	380.	20	14	0	.00	27.54	10007.09

*SECNO 4160.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4160.000	3.12	2925.62	2925.62	.00	2926.43	.82	12.97	.03	2922.50
433.	47.	377.	9.	9.	50.	3.	158.	70.	2924.30
.43	5.49	7.51	3.28	.055	.045	.055	.000	2922.50	9963.31
.027561	580.	580.	580.	20	11	0	.00	40.71	10004.02

*SECNO 4250.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4250.000	3.57	2968.77	2968.77	.00	2969.56	.78	10.76	.00	2968.30
433.	1.	373.	59.	1.	50.	17.	159.	70.	2967.60
.45	1.40	7.52	3.56	.055	.045	.055	.000	2965.20	9982.10
.018623	500.	480.	460.	20	8	0	.00	43.45	10025.55

*SECNO 4350.000

3301 HV CHANGED MORE THAN HVINS

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

4350.000	5.19	3043.99	3043.99	.00	3045.37	1.38	10.01	.18	3038.80
433.	63.	341.	29.	12.	33.	8.	160.	70.	3042.00
.47	5.35	10.32	3.65	.055	.045	.055	.000	3038.80	9986.24
.019150	530.	530.	530.	20	14	0	.00	21.60	10007.83

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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 4440.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4440.000     4.49  3137.29  3137.29      .00  3138.47     1.18    10.57      .02  3137.10
    433.        0.     433.       0.       0.      50.       0.     160.      71.   3138.70
     .48       .04     8.73      .00     .055     .045     .000     .000  3132.80  9988.03
  .025608     480.     480.     480.       20       15        0      .00    21.87 10009.89


*SECNO 4530.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
 4530.000     5.01  3246.61  3246.61      .00  3248.00     1.39    13.25      .06  3241.60
    433.       174.     259.       0.      22.      25.       0.     161.      71.   3246.10
     .49      7.85    10.42     1.67     .055     .045     .055     .000  3241.60  9982.15
  .029832     480.     480.     480.       20        8        0      .00    18.66 10000.80
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TW WIER BETWEEN SECTIONS 2.62 AND 2.76

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
415.53	415.78	.06	415.53	415.78	.06	5	2471.442	2495.134	2620.000	2760.000

THIS RUN EXECUTED 10/ 1/90 11:27:35

****
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

ROWE WASH

SUMMARY PRINTOUT

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	1520.000	2313.70	3033.00	2.70	2.52	6.75	5.17	4.54	1288.42	1740.03	287.12	114.00	.00
	1520.000	2314.31	4531.00	3.31	2.99	7.60	5.74	9.96	1821.99	2699.05	318.39	106.76	.00
	1520.000	2314.50	5307.00	3.50	3.28	8.24	6.19	12.80	2100.57	3193.63	328.13	115.63	.00
	1520.000	2315.05	6687.00	4.05	3.46	8.48	6.27	20.13	2534.85	4132.02	356.31	99.04	.00
*	1600.000	2326.94	3033.00	2.94	6.40	6.18	.00	238.74	2794.26	.00	429.89	339.42	13.24
*	1600.000	2327.29	4531.00	3.29	6.70	7.08	.00	324.26	4206.74	.00	437.05	312.26	12.98
*	1600.000	2327.45	5307.00	3.45	6.88	7.49	.00	370.63	4936.36	.00	440.28	306.46	12.95
*	1600.000	2327.77	6687.00	3.77	6.92	7.91	.00	454.31	6232.69	.00	446.70	271.77	12.72
	1740.000	2345.90	3033.00	2.40	3.84	4.92	.00	18.92	3014.08	.00	509.62	195.56	18.96
	1740.000	2346.21	4531.00	2.71	4.38	5.86	.04	29.15	4501.85	.00	516.60	207.47	18.91
	1740.000	2346.36	5307.00	2.86	4.60	6.25	1.27	34.88	5271.93	.18	520.95	210.07	18.90
	1740.000	2346.55	6687.00	3.05	5.10	7.03	1.80	45.32	6641.05	.63	526.67	232.11	18.78
*	1830.000	2361.24	3033.00	5.34	.45	6.25	.05	119.79	2913.20	.00	545.08	325.52	15.34
*	1830.000	2361.55	4531.00	5.65	.66	7.33	.06	207.35	4323.64	.01	589.74	352.99	15.34
*	1830.000	2361.70	5307.00	5.80	.75	7.74	1.95	256.51	5050.11	.38	607.89	348.40	15.34
*	1830.000	2362.06	6687.00	6.16	.88	7.82	2.51	365.37	6320.16	1.47	651.77	275.74	15.52
	1940.000	2376.11	3033.00	6.01	7.54	5.68	.00	1444.42	1588.58	.00	290.47	208.80	14.87
	1940.000	2376.65	4531.00	6.55	8.09	6.42	1.54	1999.76	2529.97	1.27	331.58	200.10	15.10
	1940.000	2376.87	5307.00	6.77	8.43	6.81	2.03	2285.45	3017.89	3.66	347.69	203.75	15.18
	1940.000	2377.07	6687.00	6.97	9.58	7.87	2.67	2821.57	3857.24	8.19	362.35	248.96	15.01
*	2050.000	2392.07	3033.00	2.67	5.84	6.64	5.71	393.09	2593.33	46.58	363.72	320.26	15.96
*	2050.000	2392.48	4531.00	3.08	6.83	7.42	6.70	629.13	3827.30	74.57	385.11	299.15	15.83
*	2050.000	2392.69	5307.00	3.29	7.15	7.62	7.00	754.18	4463.42	89.40	396.43	278.20	15.82
	2050.000	2392.99	6687.00	3.59	7.84	8.17	7.64	972.35	5599.33	115.32	411.91	275.13	15.92
	2140.000	2404.75	3033.00	3.65	.82	8.76	5.61	.11	2979.90	52.99	142.65	234.27	12.68
*	2140.000	2405.62	4531.00	4.52	2.88	9.37	6.58	16.74	4411.84	102.41	186.24	230.74	13.15
*	2140.000	2405.99	5307.00	4.89	3.52	9.60	6.96	37.96	5139.25	129.79	206.26	229.41	13.30
*	2140.000	2406.58	6687.00	5.48	4.91	9.85	7.44	103.87	6403.48	179.65	235.29	220.76	13.59

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
	2250.000	2417.14	3033.00	3.14	.00	5.86	.00	.00	3033.00	.00	301.95	175.24	12.39
	2250.000	2417.65	4531.00	3.65	.00	6.72	.00	.00	4531.00	.00	309.83	167.89	12.03
	2250.000	2417.88	5307.00	3.88	.00	7.13	.04	.00	5307.00	.00	311.06	165.69	11.88
	2250.000	2418.23	6687.00	4.23	.00	7.84	1.35	.00	6686.32	.68	314.17	168.09	11.65
*	2370.000	2435.53	3033.00	4.73	5.93	7.94	.00	41.13	2991.87	.00	204.04	283.24	18.40
*	2370.000	2436.20	4531.00	5.40	6.61	8.53	.00	66.49	4464.50	.00	248.40	274.26	18.55
*	2370.000	2436.47	5307.00	5.67	6.85	8.82	.00	79.18	5227.82	.00	264.48	269.16	18.60
*	2370.000	2436.92	6687.00	6.12	7.21	9.23	.00	102.03	6584.97	.00	290.11	260.43	18.69
	2450.000	2445.33	3033.00	3.63	7.59	5.04	3.74	196.92	2817.77	18.31	422.75	173.78	9.79
	2450.000	2445.72	4531.00	4.02	8.04	5.89	4.16	241.65	4260.10	29.25	424.09	168.73	9.53
	2450.000	2445.91	5307.00	4.21	8.27	6.27	4.36	264.33	5007.22	35.44	424.71	167.92	9.44
	2450.000	2446.21	6687.00	4.51	8.65	6.89	4.68	304.02	6335.73	47.25	425.71	167.69	9.29
*	2510.000	2452.29	3033.00	5.49	.00	2.32	8.12	.00	114.78	2918.22	235.69	141.82	6.96
*	2510.000	2453.02	4531.00	6.22	1.38	3.74	8.53	.35	510.75	4019.90	298.00	138.32	7.30
*	2510.000	2453.33	5307.00	6.53	1.78	4.35	8.64	1.01	773.92	4532.06	312.84	135.59	7.42
*	2510.000	2453.62	6687.00	6.82	2.32	5.34	9.58	2.25	1155.04	5529.72	326.60	160.10	7.41
*	2570.000	2462.73	3033.00	3.23	4.76	6.85	.05	15.30	3017.70	.00	319.77	315.40	10.45
*	2570.000	2463.18	4531.00	3.68	5.26	7.67	.05	25.04	4505.96	.00	343.96	296.72	10.15
*	2570.000	2463.37	5307.00	3.87	5.41	8.06	.05	30.04	5276.95	.00	344.29	283.78	10.04
*	2570.000	2463.70	6687.00	4.20	5.67	8.68	.93	39.63	6647.23	.14	344.83	266.73	10.08
*	2620.000	2470.22	2939.93	4.82	5.31	7.69	3.66	217.00	2699.43	23.50	229.56	110.34	7.49
*	2620.000	2470.83	4323.47	5.43	6.06	7.93	4.00	358.60	3929.67	35.20	306.73	107.34	7.66
*	2620.000	2471.20	5010.38	5.80	6.18	7.54	3.94	436.92	4532.64	40.81	348.23	92.98	7.83
*	2620.000	2471.44	6271.47	6.04	7.16	8.11	4.47	563.33	5656.70	51.44	453.65	112.17	7.74
*	2690.000	2480.22	2939.93	4.92	.00	8.63	3.79	.00	2848.31	91.61	155.95	147.00	10.00
*	2690.000	2481.16	4323.47	5.86	.00	8.48	5.91	.00	4031.53	291.93	225.50	174.73	10.32
*	2690.000	2481.48	5010.38	6.18	.00	8.41	7.04	.00	4594.46	415.92	278.15	209.96	10.28
*	2690.000	2481.99	6271.47	6.69	.00	8.11	8.31	.00	5639.63	631.84	373.67	234.53	10.55
*	2760.000	2494.53	1225.00	2.43	.05	6.01	5.52	.01	440.93	784.06	200.45	297.62	14.30
*	2760.000	2494.78	1782.00	2.68	2.14	7.08	6.48	.67	630.95	1150.38	201.25	319.39	13.62
*	2760.000	2494.92	2048.00	2.82	2.42	7.40	6.77	1.14	719.79	1327.07	201.67	309.94	13.44
*	2760.000	2495.13	2512.00	3.03	2.83	7.91	7.24	2.25	873.69	1636.06	202.36	298.46	13.14
*	2840.000	2508.55	1225.00	5.65	4.19	7.80	3.84	31.13	743.93	449.94	146.05	151.05	14.02
*	2840.000	2508.91	1782.00	6.01	4.85	8.98	4.96	46.20	957.72	778.07	147.40	172.27	14.13
*	2840.000	2509.12	2048.00	6.22	4.99	9.19	5.33	53.85	1039.15	955.00	148.15	167.37	14.20
*	2840.000	2509.31	2512.00	6.41	5.54	10.19	6.14	67.06	1213.32	1231.61	148.88	191.63	14.18
*	2900.000	2517.34	1225.00	5.74	3.06	8.54	2.19	35.96	984.36	204.68	155.66	51.74	8.79
*	2900.000	2517.92	1782.00	6.32	3.45	9.62	2.89	51.14	1245.88	484.98	157.46	56.29	9.01
*	2900.000	2518.14	2048.00	6.54	3.62	10.10	3.21	58.22	1362.11	627.67	158.13	58.82	9.03
*	2900.000	2518.50	2512.00	6.90	3.87	10.79	3.70	70.44	1548.46	893.09	159.22	61.74	9.19

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3010.000	2534.93	1225.00	4.53	5.30	9.75	3.15	421.25	678.71	125.04	119.35	87.93	17.59
*	3010.000	2535.55	1782.00	5.15	6.02	10.82	3.61	605.76	876.07	300.17	122.52	88.46	17.63
*	3010.000	2535.83	2048.00	5.43	6.25	11.15	3.91	688.72	958.33	400.95	123.92	86.72	17.69
*	3010.000	2536.21	2512.00	5.81	6.74	11.90	4.44	831.58	1104.48	575.94	125.83	89.22	17.71
*	3090.000	2547.88	790.00	4.18	3.10	9.15	3.49	14.97	766.20	8.83	39.08	188.48	12.95
*	3090.000	2548.72	1158.00	5.02	4.16	9.93	4.39	62.12	1073.62	22.26	48.43	157.98	13.17
*	3090.000	2549.03	1334.00	5.33	4.48	10.39	4.73	90.57	1214.01	29.42	51.79	156.02	13.20
*	3090.000	2549.59	1639.00	5.89	4.83	10.79	5.07	157.27	1437.44	44.29	58.10	141.42	13.39
*	3160.000	2566.22	790.00	5.42	4.73	11.13	4.42	56.29	693.38	40.33	25.49	159.58	18.34
*	3160.000	2567.29	1158.00	6.49	5.43	12.49	5.71	105.85	962.43	89.72	28.61	151.37	18.57
*	3160.000	2567.75	1334.00	6.95	5.69	13.00	6.12	132.97	1084.67	116.36	29.96	147.42	18.73
*	3160.000	2568.48	1639.00	7.68	6.09	13.80	6.69	183.71	1289.78	165.51	32.07	142.88	18.89
*	3250.000	2591.35	790.00	3.45	2.65	8.71	2.25	3.87	781.58	4.55	43.40	213.00	25.13
*	3250.000	2592.03	1158.00	4.13	3.40	9.84	3.15	11.75	1126.77	19.48	48.03	196.69	24.74
*	3250.000	2592.50	1334.00	4.60	3.52	9.69	3.05	18.91	1276.73	38.36	65.12	157.74	24.75
*	3250.000	2592.99	1639.00	5.09	3.84	10.16	3.56	29.88	1521.11	88.01	67.37	146.30	24.51
*	3320.000	2603.70	790.00	3.70	4.91	10.06	5.11	45.22	707.31	37.47	31.64	194.83	12.35
*	3320.000	2604.58	1158.00	4.58	5.41	11.29	5.79	76.35	1010.96	70.69	34.18	178.10	12.56
*	3320.000	2604.95	1334.00	4.95	5.63	11.81	6.05	92.73	1152.80	88.47	35.24	173.71	12.45
*	3320.000	2605.57	1639.00	5.57	5.93	12.56	6.41	123.52	1393.15	122.33	37.01	165.35	12.57
*	3410.000	2627.50	790.00	5.30	5.69	10.51	1.31	62.24	727.55	.21	26.54	204.70	23.79
*	3410.000	2628.52	1158.00	6.32	6.38	11.66	2.58	118.50	1035.64	3.86	29.68	180.29	23.93
*	3410.000	2628.93	1334.00	6.73	6.66	12.16	2.99	148.12	1178.62	7.26	30.96	174.89	23.98
*	3410.000	2629.60	1639.00	7.40	7.07	12.92	3.57	203.45	1419.82	15.72	33.03	167.05	24.04
*	3470.000	2647.10	790.00	7.10	5.57	12.32	4.78	83.61	658.50	47.89	21.03	180.31	19.60
*	3470.000	2648.44	1158.00	8.44	6.32	13.62	5.68	155.18	895.63	107.19	24.85	167.10	19.92
*	3470.000	2648.98	1334.00	8.98	6.62	14.15	6.02	192.57	1001.28	140.15	26.40	163.56	20.05
*	3470.000	2649.83	1639.00	9.83	7.06	14.95	6.53	261.20	1174.88	202.92	28.83	158.71	20.23
*	3520.000	2664.66	790.00	4.36	5.93	10.93	5.24	352.50	368.19	69.30	44.21	175.82	17.57
*	3520.000	2665.33	1158.00	5.03	7.12	12.35	5.87	568.02	486.61	103.37	46.16	182.12	16.90
*	3520.000	2665.62	1334.00	5.32	7.59	12.91	6.11	673.34	540.23	120.43	47.00	183.35	16.64
*	3520.000	2666.10	1639.00	5.80	8.29	13.73	6.48	858.15	629.70	151.14	48.36	183.68	16.26
*	3590.000	2687.67	790.00	5.87	4.56	11.59	3.94	36.63	732.73	20.64	21.53	180.65	23.01
*	3590.000	2688.92	1158.00	7.12	5.26	12.86	4.75	75.91	1030.73	51.36	24.62	162.41	23.59
*	3590.000	2689.45	1334.00	7.65	5.53	13.37	5.06	97.79	1166.70	69.51	25.91	156.78	23.82
*	3590.000	2690.24	1639.00	8.44	5.97	14.26	5.54	138.59	1396.03	104.37	27.87	152.69	24.14
*	3680.000	2721.86	790.00	5.66	5.98	12.76	5.92	135.36	498.66	155.98	23.91	147.90	34.19
*	3680.000	2723.03	1158.00	6.83	7.23	14.26	6.62	231.70	672.48	253.81	26.48	143.83	34.11
*	3680.000	2723.59	1334.00	7.39	7.56	14.57	6.98	277.84	742.96	313.20	27.81	135.13	34.14
*	3680.000	2724.25	1639.00	8.05	8.28	15.67	7.77	353.01	870.73	415.26	29.44	139.45	34.01

	SECNO	CWSEL	Q	DEPTH	VLOB	VCH	VROB	QLOB	QCH	QROB	TOPWID	10*KS	DIFWSX
*	3780.000	2757.33	790.00	5.73	6.02	12.24	4.97	123.65	606.98	59.37	23.16	169.66	35.46
*	3780.000	2758.55	1158.00	6.95	6.56	13.62	5.67	198.63	845.60	113.76	26.41	155.73	35.52
*	3780.000	2759.05	1334.00	7.45	6.80	14.21	5.95	236.62	954.52	142.86	27.74	152.48	35.46
*	3780.000	2759.71	1639.00	8.11	7.35	15.46	6.52	302.77	1142.38	193.84	29.49	159.03	35.46
*	3880.000	2807.20	790.00	5.10	3.00	9.84	3.01	8.17	768.60	13.23	32.79	190.05	49.87
*	3880.000	2808.13	1158.00	6.03	3.82	10.87	3.89	26.08	1086.83	45.08	38.45	166.51	49.58
*	3880.000	2808.52	1334.00	6.42	4.11	11.28	4.20	37.39	1231.05	65.56	40.81	159.66	49.47
*	3880.000	2809.13	1639.00	7.03	4.54	11.91	4.66	60.37	1471.00	107.63	44.52	150.93	49.42
*	3940.000	2821.49	790.00	5.69	4.53	11.03	4.92	71.54	639.74	78.72	30.43	156.19	14.29
*	3940.000	2822.56	1158.00	6.76	5.24	12.13	5.54	145.49	868.14	144.38	35.85	142.91	14.43
*	3940.000	2823.02	1334.00	7.22	5.46	12.46	5.94	185.34	963.89	184.77	38.11	135.90	14.50
*	3940.000	2823.65	1639.00	7.85	5.89	13.22	6.64	255.29	1126.98	256.73	41.16	134.33	14.52
*	3980.000	2839.72	790.00	5.82	.00	9.76	3.12	.00	783.92	6.08	30.18	227.21	18.23
*	3980.000	2840.62	1158.00	6.72	2.03	10.80	4.13	2.31	1132.06	23.63	35.22	196.93	18.05
*	3980.000	2840.98	1334.00	7.08	2.55	11.27	4.48	6.07	1293.08	34.85	37.32	190.11	17.96
*	3980.000	2841.60	1639.00	7.70	3.25	11.87	4.93	17.95	1561.84	59.20	40.88	175.69	17.95
*	4050.000	2863.12	217.00	2.32	3.03	7.42	3.19	7.92	198.66	10.42	22.20	218.44	23.40
*	4050.000	2863.55	305.00	2.75	3.48	8.19	3.63	15.54	269.84	19.62	24.57	202.00	22.93
*	4050.000	2863.76	352.00	2.96	3.68	8.53	3.82	20.34	306.34	25.33	25.71	195.12	22.78
*	4050.000	2864.10	433.00	3.30	3.96	9.02	4.10	29.62	367.12	36.25	27.54	184.96	22.50
*	4160.000	2925.00	217.00	2.50	5.21	5.99	2.37	28.74	186.46	1.79	37.76	332.24	61.89
*	4160.000	2925.29	305.00	2.79	5.24	6.63	2.79	35.84	265.01	4.15	39.12	291.58	61.74
*	4160.000	2925.44	352.00	2.94	5.22	6.86	2.94	39.65	306.54	5.81	39.84	269.62	61.68
*	4160.000	2925.62	433.00	3.12	5.49	7.51	3.28	46.95	377.36	8.69	40.71	275.61	61.52
*	4250.000	2968.07	217.00	2.87	.00	6.17	1.67	.00	209.37	7.62	37.62	197.04	43.06
*	4250.000	2968.39	305.00	3.19	.04	6.78	2.67	.00	278.36	26.64	39.97	194.03	43.11
*	4250.000	2968.54	352.00	3.34	.90	7.07	3.04	.17	313.73	38.10	41.33	190.37	43.10
*	4250.000	2968.77	433.00	3.57	1.40	7.52	3.56	.99	372.73	59.28	43.45	186.23	43.16
*	4350.000	3042.67	217.00	3.87	5.06	8.73	2.02	33.21	182.02	1.76	15.21	253.64	74.60
*	4350.000	3043.29	305.00	4.49	5.11	9.40	2.88	45.36	250.17	9.47	18.23	211.95	74.90
*	4350.000	3043.55	352.00	4.75	5.24	9.81	3.21	51.97	284.79	15.24	19.49	206.02	75.01
*	4350.000	3043.99	433.00	5.19	5.35	10.32	3.65	63.41	341.08	28.51	21.60	191.50	75.22
*	4440.000	3136.22	217.00	3.42	.00	7.53	.00	.00	217.00	.00	16.84	281.95	93.55
*	4440.000	3136.72	305.00	3.92	.00	8.06	.00	.00	305.00	.00	19.30	269.23	93.43
*	4440.000	3136.96	352.00	4.16	.00	8.27	.00	.00	352.00	.00	20.48	261.53	93.40
*	4440.000	3137.29	433.00	4.49	.04	8.73	.00	.00	433.00	.00	21.87	256.08	93.30
*	4530.000	3245.45	217.00	3.85	6.89	8.57	.00	90.10	126.90	.00	14.50	326.74	109.23
*	4530.000	3246.00	305.00	4.40	7.40	9.21	.00	126.64	178.36	.00	16.58	315.50	109.28
*	4530.000	3246.19	352.00	4.59	7.78	9.82	.05	145.05	206.95	.00	17.26	329.67	109.23
*	4530.000	3246.61	433.00	5.01	7.85	10.42	1.67	173.98	258.68	.34	18.66	298.32	109.32

E WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	1520.000	.00	.00	.00	2311.00	3033.00	2313.70	.00	2314.24	114.00	6.75	529.04	284.07
	1520.000	.00	.00	.00	2311.00	4531.00	2314.31	.00	2314.98	106.76	7.60	713.76	438.52
	1520.000	.00	.00	.00	2311.00	5307.00	2314.50	.00	2315.28	115.63	8.24	775.16	493.54
	1520.000	.00	.00	.00	2311.00	6687.00	2315.05	.00	2315.85	99.04	8.48	963.39	671.92
*	1600.000	420.00	.00	.00	2324.00	3033.00	2326.94	2326.94	2327.54	339.42	6.18	489.32	164.63
*	1600.000	420.00	.00	.00	2324.00	4531.00	2327.29	2327.29	2328.06	312.26	7.08	642.67	256.41
*	1600.000	420.00	.00	.00	2324.00	5307.00	2327.45	2327.45	2328.31	306.46	7.49	712.60	303.15
*	1600.000	420.00	.00	.00	2324.00	6687.00	2327.77	2327.77	2328.73	271.77	7.91	853.25	405.63
	1740.000	740.00	.00	.00	2343.50	3033.00	2345.90	.00	2346.28	195.56	4.92	617.11	216.89
	1740.000	740.00	.00	.00	2343.50	4531.00	2346.21	.00	2346.74	207.47	5.86	775.24	314.57
	1740.000	740.00	.00	.00	2343.50	5307.00	2346.36	.00	2346.96	210.07	6.25	851.86	366.16
	1740.000	740.00	.00	.00	2343.50	6687.00	2346.55	.00	2347.31	232.11	7.03	953.66	438.92
*	1830.000	480.00	.00	.00	2355.90	3033.00	2361.24	2361.24	2361.82	325.52	6.25	730.75	168.11
*	1830.000	480.00	.00	.00	2355.90	4531.00	2361.55	2361.55	2362.34	352.99	7.33	903.60	241.16
*	1830.000	480.00	.00	.00	2355.90	5307.00	2361.70	2361.70	2362.58	348.40	7.74	993.22	284.32
	1830.000	480.00	.00	.00	2355.90	6687.00	2362.06	2362.06	2362.96	275.74	7.82	1223.77	402.70
	1940.000	580.00	.00	.00	2370.10	3033.00	2376.11	.00	2376.79	208.80	5.68	471.51	209.90
	1940.000	580.00	.00	.00	2370.10	4531.00	2376.65	.00	2377.45	200.10	6.42	642.23	320.31
	1940.000	580.00	.00	.00	2370.10	5307.00	2376.87	.00	2377.76	203.75	6.81	715.87	371.79
	1940.000	580.00	.00	.00	2370.10	6687.00	2377.07	2377.06	2378.22	248.96	7.87	787.48	423.81
*	2050.000	580.00	.00	.00	2389.40	3033.00	2392.07	2392.07	2392.73	320.26	6.64	465.80	169.48
*	2050.000	580.00	.00	.00	2389.40	4531.00	2392.48	2392.48	2393.31	299.15	7.42	619.37	261.97
*	2050.000	580.00	.00	.00	2389.40	5307.00	2392.69	2392.69	2393.58	278.20	7.62	704.19	318.18
*	2050.000	580.00	.00	.00	2389.40	6687.00	2392.99	2392.99	2394.01	275.13	8.17	824.18	403.15
	2140.000	480.00	.00	.00	2401.10	3033.00	2404.75	2404.70	2405.93	234.27	8.76	349.63	198.16
*	2140.000	480.00	.00	.00	2401.10	4531.00	2405.62	2405.62	2406.97	230.74	9.37	492.27	298.29
*	2140.000	480.00	.00	.00	2401.10	5307.00	2405.99	2405.99	2407.40	229.41	9.60	564.61	350.38
*	2140.000	480.00	.00	.00	2401.10	6687.00	2406.58	2406.58	2408.05	220.76	9.85	695.59	450.06
	2250.000	580.00	.00	.00	2414.00	3033.00	2417.14	.00	2417.67	175.24	5.86	517.34	229.12
	2250.000	580.00	.00	.00	2414.00	4531.00	2417.65	.00	2418.35	167.89	6.72	673.79	349.68
	2250.000	580.00	.00	.00	2414.00	5307.00	2417.88	.00	2418.66	165.69	7.13	744.70	412.29
	2250.000	580.00	.00	.00	2414.00	6687.00	2418.23	.00	2419.19	168.09	7.84	853.54	515.77
*	2370.000	630.00	.00	.00	2430.80	3033.00	2435.53	2435.53	2436.51	283.24	7.94	383.53	180.22
*	2370.000	630.00	.00	.00	2430.80	4531.00	2436.20	2436.20	2437.32	274.26	8.53	533.21	273.60
*	2370.000	630.00	.00	.00	2430.80	5307.00	2436.47	2436.47	2437.67	269.16	8.82	604.58	323.48
*	2370.000	630.00	.00	.00	2430.80	6687.00	2436.92	2436.92	2438.23	260.43	9.23	727.93	414.37

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	2450.000	420.00	.00	.00	2441.70	3033.00	2445.33	.00	2445.75	173.78	5.04	590.25	230.08
	2450.000	420.00	.00	.00	2441.70	4531.00	2445.72	.00	2446.29	168.73	5.89	760.30	348.82
	2450.000	420.00	.00	.00	2441.70	5307.00	2445.91	.00	2446.54	167.92	6.27	838.11	409.55
	2450.000	420.00	.00	.00	2441.70	6687.00	2446.21	.00	2446.97	167.69	6.89	964.66	516.40
*	2510.000	320.00	.00	.00	2446.80	3033.00	2452.29	2452.29	2453.27	141.82	2.32	408.96	254.68
*	2510.000	320.00	.00	.00	2446.80	4531.00	2453.02	2453.02	2454.05	138.32	3.74	608.38	385.26
*	2510.000	320.00	.00	.00	2446.80	5307.00	2453.33	2453.33	2454.37	135.59	4.35	703.01	455.77
*	2510.000	320.00	.00	.00	2446.80	6687.00	2453.62	2453.62	2454.87	160.10	5.34	794.80	528.48
*	2570.000	320.00	.00	.00	2459.50	3033.00	2462.73	2462.73	2463.46	315.40	6.85	443.80	170.78
*	2570.000	320.00	.00	.00	2459.50	4531.00	2463.18	2463.18	2464.09	296.72	7.67	592.10	263.04
*	2570.000	320.00	.00	.00	2459.50	5307.00	2463.37	2463.37	2464.38	283.78	8.06	659.98	315.03
*	2570.000	320.00	.00	.00	2459.50	6687.00	2463.70	2463.70	2464.87	266.73	8.68	772.79	409.45
*	2620.000	260.00	.00	.00	2465.40	2939.93	2470.22	2470.22	2471.10	110.34	7.69	398.14	279.88
*	2620.000	260.00	.00	.00	2465.40	4323.47	2470.83	2470.83	2471.77	107.34	7.93	563.20	417.30
*	2620.000	260.00	.00	.00	2465.40	5010.38	2471.20	2471.20	2472.05	92.98	7.54	682.49	519.61
*	2620.000	260.00	.00	.00	2465.40	6271.47	2471.44	2471.44	2472.44	112.17	8.11	787.49	592.15
*	2690.000	370.00	.00	.00	2475.30	2939.93	2480.22	2480.22	2481.35	147.00	8.63	354.36	242.48
*	2690.000	370.00	.00	.00	2475.30	4323.47	2481.16	2481.16	2482.24	174.73	8.48	524.74	327.08
*	2690.000	370.00	.00	.00	2475.30	5010.38	2481.48	2481.48	2482.55	209.96	8.41	605.25	345.79
*	2690.000	370.00	.00	.00	2475.30	6271.47	2481.99	2481.99	2483.02	234.53	8.11	771.63	409.51
*	2760.000	370.00	.00	.00	2492.10	1225.00	2494.53	2494.53	2495.03	297.62	6.01	215.50	71.01
*	2760.000	370.00	.00	.00	2492.10	1782.00	2494.78	2494.78	2495.48	319.39	7.08	266.84	99.71
*	2760.000	370.00	.00	.00	2492.10	2048.00	2494.92	2494.92	2495.68	309.94	7.40	293.75	116.33
*	2760.000	370.00	.00	.00	2492.10	2512.00	2495.13	2495.13	2496.00	298.46	7.91	337.30	145.40
*	2840.000	420.00	.00	.00	2502.90	1225.00	2508.55	2508.55	2509.22	151.05	7.80	220.10	99.67
*	2840.000	420.00	.00	.00	2502.90	1782.00	2508.91	2508.91	2509.76	172.27	8.98	273.16	135.77
*	2840.000	420.00	.00	.00	2502.90	2048.00	2509.12	2509.12	2510.00	167.37	9.19	303.03	158.30
*	2840.000	420.00	.00	.00	2502.90	2512.00	2509.31	2509.31	2510.39	191.63	10.19	331.85	181.46
*	2900.000	320.00	.00	.00	2511.60	1225.00	2517.34	2517.34	2518.27	51.74	8.54	220.46	170.30
*	2900.000	320.00	.00	.00	2511.60	1782.00	2517.92	2517.92	2518.97	56.29	9.62	311.89	237.52
*	2900.000	320.00	.00	.00	2511.60	2048.00	2518.14	2518.14	2519.25	58.82	10.10	346.48	267.04
*	2900.000	320.00	.00	.00	2511.60	2512.00	2518.50	2518.50	2519.70	61.74	10.79	403.11	319.69
*	3010.000	580.00	.00	.00	2530.40	1225.00	2534.93	2534.93	2535.91	87.93	9.75	188.78	130.63
*	3010.000	580.00	.00	.00	2530.40	1782.00	2535.55	2535.55	2536.67	88.46	10.82	264.75	189.46
*	3010.000	580.00	.00	.00	2530.40	2048.00	2535.83	2535.83	2536.98	86.72	11.15	298.72	219.92
*	3010.000	580.00	.00	.00	2530.40	2512.00	2536.21	2536.21	2537.48	89.22	11.90	345.94	265.94
*	3090.000	420.00	.00	.00	2543.70	790.00	2547.88	2547.88	2549.14	188.48	9.15	91.13	57.54
*	3090.000	420.00	.00	.00	2543.70	1158.00	2548.72	2548.72	2550.16	157.98	9.93	128.14	92.13
*	3090.000	420.00	.00	.00	2543.70	1334.00	2549.03	2549.03	2550.58	156.02	10.39	143.29	106.80
*	3090.000	420.00	.00	.00	2543.70	1639.00	2549.59	2549.59	2551.22	141.42	10.79	174.46	137.82

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3160.000	370.00	.00	.00	2560.80	790.00	2566.22	2566.22	2567.95	159.58	11.13	83.36	62.54
*	3160.000	370.00	.00	.00	2560.80	1158.00	2567.29	2567.29	2569.38	151.37	12.49	112.29	94.12
*	3160.000	370.00	.00	.00	2560.80	1334.00	2567.75	2567.75	2569.99	147.42	13.00	125.85	109.87
*	3160.000	370.00	.00	.00	2560.80	1639.00	2568.48	2568.48	2570.94	142.88	13.80	148.36	137.12
*	3250.000	480.00	.00	.00	2587.90	790.00	2591.35	2591.35	2592.52	213.00	8.71	93.21	54.13
*	3250.000	480.00	.00	.00	2587.90	1158.00	2592.03	2592.03	2593.50	196.69	9.84	124.09	82.57
*	3250.000	480.00	.00	.00	2587.90	1334.00	2592.50	2592.50	2593.90	157.74	9.69	149.77	106.21
*	3250.000	480.00	.00	.00	2587.90	1639.00	2592.99	2592.99	2594.49	146.30	10.16	182.26	135.51
*	3320.000	370.00	.00	.00	2600.00	790.00	2603.70	2603.70	2605.15	194.83	10.06	86.87	56.60
*	3320.000	370.00	.00	.00	2600.00	1158.00	2604.58	2604.58	2606.38	178.10	11.29	115.83	86.77
*	3320.000	370.00	.00	.00	2600.00	1334.00	2604.95	2604.95	2606.90	173.71	11.81	128.67	101.21
*	3320.000	370.00	.00	.00	2600.00	1639.00	2605.57	2605.57	2607.74	165.35	12.56	150.83	127.46
*	3410.000	480.00	.00	.00	2622.20	790.00	2627.50	2627.50	2629.12	204.70	10.51	80.31	55.22
*	3410.000	480.00	.00	.00	2622.20	1158.00	2628.52	2628.52	2630.47	180.29	11.66	108.92	86.24
*	3410.000	480.00	.00	.00	2622.20	1334.00	2628.93	2628.93	2631.04	174.89	12.16	121.57	100.87
*	3410.000	480.00	.00	.00	2622.20	1639.00	2629.60	2629.60	2631.95	167.05	12.92	143.04	126.81
*	3470.000	320.00	.00	.00	2640.00	790.00	2647.10	2647.10	2649.13	180.31	12.32	78.48	58.83
*	3470.000	320.00	.00	.00	2640.00	1158.00	2648.44	2648.44	2650.79	167.10	13.62	109.20	89.58
*	3470.000	320.00	.00	.00	2640.00	1334.00	2648.98	2648.98	2651.47	163.56	14.15	123.14	104.31
*	3470.000	320.00	.00	.00	2640.00	1639.00	2649.83	2649.83	2652.52	158.71	14.95	146.65	130.10
*	3520.000	260.00	.00	.00	2660.30	790.00	2664.66	2664.66	2665.81	175.82	10.93	106.37	59.58
*	3520.000	260.00	.00	.00	2660.30	1158.00	2665.33	2665.33	2666.76	182.12	12.35	136.75	85.81
*	3520.000	260.00	.00	.00	2660.30	1334.00	2665.62	2665.62	2667.18	183.35	12.91	150.26	98.52
*	3520.000	260.00	.00	.00	2660.30	1639.00	2666.10	2666.10	2667.84	183.68	13.73	172.74	120.93
*	3590.000	370.00	.00	.00	2681.80	790.00	2687.67	2687.67	2689.63	180.65	11.59	76.53	58.78
*	3590.000	370.00	.00	.00	2681.80	1158.00	2688.92	2688.92	2691.25	162.41	12.86	105.39	90.87
*	3590.000	370.00	.00	.00	2681.80	1334.00	2689.45	2689.45	2691.93	156.78	13.37	118.68	106.54
*	3590.000	370.00	.00	.00	2681.80	1639.00	2690.24	2690.24	2693.00	152.69	14.26	139.98	132.64
*	3680.000	480.00	.00	.00	2716.20	790.00	2721.86	2721.86	2723.66	147.90	12.76	88.06	64.96
*	3680.000	480.00	.00	.00	2716.20	1158.00	2723.03	2723.03	2725.18	143.83	14.26	117.53	96.56
*	3680.000	480.00	.00	.00	2716.20	1334.00	2723.59	2723.59	2725.79	135.13	14.57	132.68	114.76
*	3680.000	480.00	.00	.00	2716.20	1639.00	2724.25	2724.25	2726.75	139.45	15.67	151.63	138.80
*	3780.000	530.00	.00	.00	2751.60	790.00	2757.33	2757.33	2759.23	169.66	12.24	82.07	60.65
*	3780.000	530.00	.00	.00	2751.60	1158.00	2758.55	2758.55	2760.82	155.73	13.62	112.42	92.79
*	3780.000	530.00	.00	.00	2751.60	1334.00	2759.05	2759.05	2761.48	152.48	14.21	125.97	108.03
*	3780.000	530.00	.00	.00	2751.60	1639.00	2759.71	2759.71	2762.53	159.03	15.46	144.79	129.97
*	3880.000	530.00	.00	.00	2802.10	790.00	2807.20	2807.20	2808.66	190.05	9.84	85.19	57.31
*	3880.000	530.00	.00	.00	2802.10	1158.00	2808.13	2808.13	2809.87	166.51	10.87	118.43	89.74
*	3880.000	530.00	.00	.00	2802.10	1334.00	2808.52	2808.52	2810.36	159.66	11.28	133.83	105.57
*	3880.000	530.00	.00	.00	2802.10	1639.00	2809.13	2809.13	2811.14	150.93	11.91	159.91	133.41

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3940.000	280.00	.00	.00	2815.80	790.00	2821.49	2821.49	2823.08	156.19	11.03	89.80	63.21
*	3940.000	280.00	.00	.00	2815.80	1158.00	2822.56	2822.56	2824.39	142.91	12.13	125.43	96.87
*	3940.000	280.00	.00	.00	2815.80	1334.00	2823.02	2823.02	2824.91	135.90	12.46	142.44	114.43
*	3940.000	280.00	.00	.00	2815.80	1639.00	2823.65	2823.65	2825.71	134.33	13.22	167.30	141.41
*	3980.000	260.00	.00	.00	2833.90	790.00	2839.72	2839.72	2841.18	227.21	9.76	82.30	52.41
*	3980.000	260.00	.00	.00	2833.90	1158.00	2840.62	2840.62	2842.39	196.93	10.80	111.67	82.52
*	3980.000	260.00	.00	.00	2833.90	1334.00	2840.98	2840.98	2842.90	190.11	11.27	124.89	96.75
*	3980.000	260.00	.00	.00	2833.90	1639.00	2841.60	2841.60	2843.70	175.69	11.87	149.10	123.65
*	4050.000	370.00	.00	.00	2860.80	217.00	2863.12	2863.12	2863.91	218.44	7.42	32.67	14.68
*	4050.000	370.00	.00	.00	2860.80	305.00	2863.55	2863.55	2864.49	202.00	8.19	42.82	21.46
*	4050.000	370.00	.00	.00	2860.80	352.00	2863.76	2863.76	2864.77	195.12	8.53	48.09	25.20
*	4050.000	370.00	.00	.00	2860.80	433.00	2864.10	2864.10	2865.21	184.96	9.02	57.04	31.84
*	4160.000	580.00	.00	.00	2922.50	217.00	2925.00	2925.00	2925.54	332.24	5.99	37.40	11.91
*	4160.000	580.00	.00	.00	2922.50	305.00	2925.29	2925.29	2925.93	291.58	6.63	48.29	17.86
*	4160.000	580.00	.00	.00	2922.50	352.00	2925.44	2925.44	2926.12	269.62	6.86	54.22	21.44
*	4160.000	580.00	.00	.00	2922.50	433.00	2925.62	2925.62	2926.43	275.61	7.51	61.45	26.08
*	4250.000	480.00	.00	.00	2965.20	217.00	2968.07	2968.07	2968.64	197.04	6.17	38.52	15.46
*	4250.000	480.00	.00	.00	2965.20	305.00	2968.39	2968.39	2969.05	194.03	6.78	51.08	21.90
*	4250.000	480.00	.00	.00	2965.20	352.00	2968.54	2968.54	2969.25	190.37	7.07	57.11	25.51
*	4250.000	480.00	.00	.00	2965.20	433.00	2968.77	2968.77	2969.56	186.23	7.52	66.92	31.73
*	4350.000	530.00	.00	.00	3038.80	217.00	3042.67	3042.67	3043.72	253.64	8.73	28.28	13.63
*	4350.000	530.00	.00	.00	3038.80	305.00	3043.29	3043.29	3044.48	211.95	9.40	38.78	20.95
*	4350.000	530.00	.00	.00	3038.80	352.00	3043.55	3043.55	3044.83	206.02	9.81	43.69	24.52
*	4350.000	530.00	.00	.00	3038.80	433.00	3043.99	3043.99	3045.37	191.50	10.32	52.70	31.29
*	4440.000	480.00	.00	.00	3132.80	217.00	3136.22	3136.22	3137.10	281.95	7.53	28.81	12.92
*	4440.000	480.00	.00	.00	3132.80	305.00	3136.72	3136.72	3137.73	269.23	8.06	37.83	18.59
*	4440.000	480.00	.00	.00	3132.80	352.00	3136.96	3136.96	3138.02	261.53	8.27	42.59	21.77
*	4440.000	480.00	.00	.00	3132.80	433.00	3137.29	3137.29	3138.47	256.08	8.73	49.60	27.06
*	4530.000	480.00	.00	.00	3241.60	217.00	3245.45	3245.45	3246.42	326.74	8.57	27.89	12.00
*	4530.000	480.00	.00	.00	3241.60	305.00	3246.00	3246.00	3247.12	315.50	9.21	36.48	17.17
*	4530.000	480.00	.00	.00	3241.60	352.00	3246.19	3246.19	3247.46	329.67	9.82	39.72	19.39
*	4530.000	480.00	.00	.00	3241.60	433.00	3246.61	3246.61	3248.00	298.32	10.42	47.21	25.07

WASH

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1520.000	3033.00	2313.70	.00	.00	.00	287.12	.00
	1520.000	4531.00	2314.31	.61	.00	.00	318.39	.00
	1520.000	5307.00	2314.50	.19	.00	.00	328.13	.00
	1520.000	6687.00	2315.05	.55	.00	.00	356.31	.00
*	1600.000	3033.00	2326.94	.00	13.24	.00	429.89	420.00
*	1600.000	4531.00	2327.29	.35	12.98	.00	437.05	420.00
*	1600.000	5307.00	2327.45	.16	12.95	.00	440.28	420.00
*	1600.000	6687.00	2327.77	.32	12.72	.00	446.70	420.00
	1740.000	3033.00	2345.90	.00	18.96	.00	509.62	740.00
	1740.000	4531.00	2346.21	.31	18.91	.00	516.60	740.00
	1740.000	5307.00	2346.36	.15	18.90	.00	520.95	740.00
	1740.000	6687.00	2346.55	.19	18.78	.00	526.67	740.00
*	1830.000	3033.00	2361.24	.00	15.34	.00	545.08	480.00
*	1830.000	4531.00	2361.55	.30	15.34	.00	589.74	480.00
*	1830.000	5307.00	2361.70	.15	15.34	.00	607.89	480.00
	1830.000	6687.00	2362.06	.37	15.52	.00	651.77	480.00
	1940.000	3033.00	2376.11	.00	14.87	.00	290.47	580.00
	1940.000	4531.00	2376.65	.54	15.10	.00	331.58	580.00
	1940.000	5307.00	2376.87	.23	15.18	.00	347.69	580.00
	1940.000	6687.00	2377.07	.19	15.01	.00	362.35	580.00
*	2050.000	3033.00	2392.07	.00	15.96	.00	363.72	580.00
*	2050.000	4531.00	2392.48	.41	15.83	.00	385.11	580.00
*	2050.000	5307.00	2392.69	.22	15.82	.00	396.43	580.00
*	2050.000	6687.00	2392.99	.30	15.92	.00	411.91	580.00
	2140.000	3033.00	2404.75	.00	12.68	.00	142.65	480.00
*	2140.000	4531.00	2405.62	.87	13.15	.00	186.24	480.00
*	2140.000	5307.00	2405.99	.37	13.30	.00	206.26	480.00
*	2140.000	6687.00	2406.58	.59	13.59	.00	235.29	480.00
	2250.000	3033.00	2417.14	.00	12.39	.00	301.95	580.00
	2250.000	4531.00	2417.65	.51	12.03	.00	309.83	580.00
	2250.000	5307.00	2417.88	.23	11.88	.00	311.06	580.00
	2250.000	6687.00	2418.23	.36	11.65	.00	314.17	580.00
*	2370.000	3033.00	2435.53	.00	18.40	.00	204.04	630.00
*	2370.000	4531.00	2436.20	.66	18.55	.00	248.40	630.00
*	2370.000	5307.00	2436.47	.28	18.60	.00	264.48	630.00
*	2370.000	6687.00	2436.92	.44	18.69	.00	290.11	630.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	2450.000	3033.00	2445.33	.00	9.79	.00	422.75	420.00
	2450.000	4531.00	2445.72	.40	9.53	.00	424.09	420.00
	2450.000	5307.00	2445.91	.19	9.44	.00	424.71	420.00
	2450.000	6687.00	2446.21	.30	9.29	.00	425.71	420.00
*	2510.000	3033.00	2452.29	.00	6.96	.00	235.69	320.00
*	2510.000	4531.00	2453.02	.74	7.30	.00	298.00	320.00
*	2510.000	5307.00	2453.33	.31	7.42	.00	312.84	320.00
*	2510.000	6687.00	2453.62	.29	7.41	.00	326.60	320.00
*	2570.000	3033.00	2462.73	.00	10.45	.00	319.77	320.00
*	2570.000	4531.00	2463.18	.44	10.15	.00	343.96	320.00
*	2570.000	5307.00	2463.37	.20	10.04	.00	344.29	320.00
*	2570.000	6687.00	2463.70	.33	10.08	.00	344.83	320.00
*	2620.000	2939.93	2470.22	.00	7.49	.00	229.56	260.00
*	2620.000	4323.47	2470.83	.61	7.66	.00	306.73	260.00
*	2620.000	5010.38	2471.20	.36	7.83	.00	348.23	260.00
*	2620.000	6271.47	2471.44	.24	7.74	.00	453.65	260.00
*	2690.000	2939.93	2480.22	.00	10.00	.00	155.95	370.00
*	2690.000	4323.47	2481.16	.94	10.32	.00	225.50	370.00
*	2690.000	5010.38	2481.48	.32	10.28	.00	278.15	370.00
	2690.000	6271.47	2481.99	.51	10.55	.00	373.67	370.00
*	2760.000	1225.00	2494.53	.00	14.30	.00	200.45	370.00
*	2760.000	1782.00	2494.78	.26	13.62	.00	201.25	370.00
*	2760.000	2048.00	2494.92	.13	13.44	.00	201.67	370.00
*	2760.000	2512.00	2495.13	.22	13.14	.00	202.36	370.00
*	2840.000	1225.00	2508.55	.00	14.02	.00	146.05	420.00
*	2840.000	1782.00	2508.91	.36	14.13	.00	147.40	420.00
*	2840.000	2048.00	2509.12	.20	14.20	.00	148.15	420.00
*	2840.000	2512.00	2509.31	.19	14.18	.00	148.88	420.00
*	2900.000	1225.00	2517.34	.00	8.79	.00	155.66	320.00
*	2900.000	1782.00	2517.92	.58	9.01	.00	157.46	320.00
*	2900.000	2048.00	2518.14	.22	9.03	.00	158.13	320.00
*	2900.000	2512.00	2518.50	.36	9.19	.00	159.22	320.00
*	3010.000	1225.00	2534.93	.00	17.59	.00	119.35	580.00
*	3010.000	1782.00	2535.55	.63	17.63	.00	122.52	580.00
*	3010.000	2048.00	2535.83	.28	17.69	.00	123.92	580.00
*	3010.000	2512.00	2536.21	.38	17.71	.00	125.83	580.00
*	3090.000	790.00	2547.88	.00	12.95	.00	39.08	420.00
*	3090.000	1158.00	2548.72	.85	13.17	.00	48.43	420.00
*	3090.000	1334.00	2549.03	.30	13.20	.00	51.79	420.00
*	3090.000	1639.00	2549.59	.57	13.39	.00	58.10	420.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3160.000	790.00	2566.22	.00	18.34	.00	25.49	370.00
*	3160.000	1158.00	2567.29	1.07	18.57	.00	28.61	370.00
*	3160.000	1334.00	2567.75	.46	18.73	.00	29.96	370.00
*	3160.000	1639.00	2568.48	.73	18.89	.00	32.07	370.00
*	3250.000	790.00	2591.35	.00	25.13	.00	43.40	480.00
*	3250.000	1158.00	2592.03	.68	24.74	.00	48.03	480.00
*	3250.000	1334.00	2592.50	.47	24.75	.00	65.12	480.00
*	3250.000	1639.00	2592.99	.49	24.51	.00	67.37	480.00
*	3320.000	790.00	2603.70	.00	12.35	.00	31.64	370.00
*	3320.000	1158.00	2604.58	.88	12.56	.00	34.18	370.00
*	3320.000	1334.00	2604.95	.37	12.45	.00	35.24	370.00
*	3320.000	1639.00	2605.57	.61	12.57	.00	37.01	370.00
*	3410.000	790.00	2627.50	.00	23.79	.00	26.54	480.00
*	3410.000	1158.00	2628.52	1.02	23.93	.00	29.68	480.00
*	3410.000	1334.00	2628.93	.42	23.98	.00	30.96	480.00
*	3410.000	1639.00	2629.60	.67	24.04	.00	33.03	480.00
*	3470.000	790.00	2647.10	.00	19.60	.00	21.03	320.00
*	3470.000	1158.00	2648.44	1.34	19.92	.00	24.85	320.00
*	3470.000	1334.00	2648.98	.54	20.05	.00	26.40	320.00
*	3470.000	1639.00	2649.83	.85	20.23	.00	28.83	320.00
*	3520.000	790.00	2664.66	.00	17.57	.00	44.21	260.00
*	3520.000	1158.00	2665.33	.67	16.90	.00	46.16	260.00
*	3520.000	1334.00	2665.62	.29	16.64	.00	47.00	260.00
*	3520.000	1639.00	2666.10	.47	16.26	.00	48.36	260.00
*	3590.000	790.00	2687.67	.00	23.01	.00	21.53	370.00
*	3590.000	1158.00	2688.92	1.25	23.59	.00	24.62	370.00
*	3590.000	1334.00	2689.45	.53	23.82	.00	25.91	370.00
*	3590.000	1639.00	2690.24	.79	24.14	.00	27.87	370.00
*	3680.000	790.00	2721.86	.00	34.19	.00	23.91	480.00
*	3680.000	1158.00	2723.03	1.17	34.11	.00	26.48	480.00
*	3680.000	1334.00	2723.59	.56	34.14	.00	27.81	480.00
*	3680.000	1639.00	2724.25	.66	34.01	.00	29.44	480.00
*	3780.000	790.00	2757.33	.00	35.46	.00	23.16	530.00
*	3780.000	1158.00	2758.55	1.22	35.52	.00	26.41	530.00
*	3780.000	1334.00	2759.05	.50	35.46	.00	27.74	530.00
*	3780.000	1639.00	2759.71	.66	35.46	.00	29.49	530.00
*	3880.000	790.00	2807.20	.00	49.87	.00	32.79	530.00
*	3880.000	1158.00	2808.13	.93	49.58	.00	38.45	530.00
*	3880.000	1334.00	2808.52	.39	49.47	.00	40.81	530.00
*	3880.000	1639.00	2809.13	.61	49.42	.00	44.52	530.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3940.000	790.00	2821.49	.00	14.29	.00	30.43	280.00
*	3940.000	1158.00	2822.56	1.07	14.43	.00	35.85	280.00
*	3940.000	1334.00	2823.02	.46	14.50	.00	38.11	280.00
*	3940.000	1639.00	2823.65	.63	14.52	.00	41.16	280.00
*	3980.000	790.00	2839.72	.00	18.23	.00	30.18	260.00
*	3980.000	1158.00	2840.62	.90	18.05	.00	35.22	260.00
*	3980.000	1334.00	2840.98	.36	17.96	.00	37.32	260.00
*	3980.000	1639.00	2841.60	.62	17.95	.00	40.88	260.00
*	4050.000	217.00	2863.12	.00	23.40	.00	22.20	370.00
*	4050.000	305.00	2863.55	.43	22.93	.00	24.57	370.00
*	4050.000	352.00	2863.76	.21	22.78	.00	25.71	370.00
*	4050.000	433.00	2864.10	.34	22.50	.00	27.54	370.00
*	4160.000	217.00	2925.00	.00	61.89	.00	37.76	580.00
*	4160.000	305.00	2925.29	.28	61.74	.00	39.12	580.00
*	4160.000	352.00	2925.44	.15	61.68	.00	39.84	580.00
*	4160.000	433.00	2925.62	.18	61.52	.00	40.71	580.00
*	4250.000	217.00	2968.07	.00	43.06	.00	37.62	480.00
*	4250.000	305.00	2968.39	.32	43.11	.00	39.97	480.00
*	4250.000	352.00	2968.54	.15	43.10	.00	41.33	480.00
*	4250.000	433.00	2968.77	.23	43.16	.00	43.45	480.00
*	4350.000	217.00	3042.67	.00	74.60	.00	15.21	530.00
*	4350.000	305.00	3043.29	.63	74.90	.00	18.23	530.00
*	4350.000	352.00	3043.55	.26	75.01	.00	19.49	530.00
*	4350.000	433.00	3043.99	.44	75.22	.00	21.60	530.00
*	4440.000	217.00	3136.22	.00	93.55	.00	16.84	480.00
*	4440.000	305.00	3136.72	.50	93.43	.00	19.30	480.00
*	4440.000	352.00	3136.96	.24	93.40	.00	20.48	480.00
*	4440.000	433.00	3137.29	.33	93.30	.00	21.87	480.00
*	4530.000	217.00	3245.45	.00	109.23	.00	14.50	480.00
*	4530.000	305.00	3246.00	.55	109.28	.00	16.58	480.00
*	4530.000	352.00	3246.19	.19	109.23	.00	17.26	480.00
*	4530.000	433.00	3246.61	.42	109.32	.00	18.66	480.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=   1600.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   1600.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   3250.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3250.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3250.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3250.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3250.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3250.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3250.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3250.000  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
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CAUTION SECNO=   3320.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3320.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
ION SECNO=   3320.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
ION SECNO=   3320.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3320.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION 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

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CAUTION SECNO=   3470.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3470.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3470.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   3470.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   3470.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3470.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   3590.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

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CAUTION SECNO=   3680.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO=   3680.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3680.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3780.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3780.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3780.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3780.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3780.000  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   3780.000  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   3780.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   3780.000  PROFILE=  3  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION SECNO=   3780.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   3780.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=   3880.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
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CAUTION SECNO=   4530.000  PROFILE=  3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=   4530.000  PROFILE=  4  CRITICAL DEPTH ASSUMED
CAUTION SECNO=   4530.000  PROFILE=  4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=   4530.000  PROFILE=  4  20 TRIALS ATTEMPTED TO BALANCE WSEL
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