Daggs Wash FIS FCDMC No. 92-08
A-N West No. 7158-02
Date: 6/29/93
Equal Conveyance and Final (Fixed)
Floodway Analysis

FRAGILE: DISKETTES ENCLOSED

THIS RUN EXECUTED 25JUN93 09:22:53

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

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

```
T1      DAGGS WASH FIS          FCDMC CONTRACT NO.:92-08       FILE:0GWH6
T2      100-YEAR WATER SURFACE PROFILE                 A-N WEST INC. PHX. AZ.
T3      DAGGS WASH  100-YEAR PROFILE        DATE:5\18\93   AMMENDED:6\24\93

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        2                        0.010                                1252

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     -1                -1                                                              15


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38       43        1        2       26       39       21       22       27       28
     53       54       68        0       38       13       14       15       55       26
     56       63        1       51        4       42       57        0       38       39
     33        3       10       11       12        5        7        8       16       17
     18        0

QT       2      3041      3041
NC                                   .1        .3
NH       7      .055      9660      .028      9680      .055     9973.4      .09     9985.9      .028
NH   10018       .09   10028.3      .055   10933.4
       CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
       HYDRAULIC BASELINE.
       SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
       CONFLUENCE WITH HASSAYAMPA RIVER.
       STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
       AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
       DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
       CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
       CONFLUENCE WITH HASSAYAMPA R.).
```

100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI.).

X1	0.173	73	9973.4	10060.3	0	0	0			
GR	1254	9480	1253.8	9500	1252	9520	1250	9540	1252	9560
GR	1253.3	9580	1253.5	9600	1253.3	9630	1252	9652	1250	9660
GR	1250	9680	1251.8	9690	1251.8	9720	1250.5	9730	1252.5	9760
GR	1252.5	9820	1252	9850	1252	9860	1252.8	9865	1253	9970
GR	1253.5	9973.4	1251.8	9985.9	1249.3	10000.0	1251.0	10018	1252.4	10028.3
GR	1252.5	10042.5	1252.8	10059.8	1253.1	10060.3	1252.3	10079.9	1252.3	10081.9
GR	1252.2	10086.1	1253.1	10110.6	1253.1	10117.6	1253.1	10126.7	1252.5	10155.1
GR	1251.7	10177.3	1251.6	10178.9	1251.7	10181.2	1252.2	10210.0	1252.2	10218.6
GR	1252.6	10278.1	1252.8	10305.7	1252.7	10307.9	1251.8	10325.5	1252.1	10335.2
GR	1251.4	10344.2	1252.6	10355.9	1252.6	10407.7	1252.6	10460.2	1252.8	10509.5
GR	1252.8	10510.3	1252.0	10520.6	1251.7	10525.6	1251.7	10525.7	1253.6	10542.1
GR	1253.3	10548.2	1253.1	10559.0	1251.8	10572.6	1251.2	10578.5	1252.5	10603.6
GR	1252.8	10609.0	1252.8	10610.1	1252.8	10620.0	1253.0	10713.1	1253.3	10737.0
GR	1253.4	10744.2	1253.5	10823.6	1253.7	10848.8	1253.5	10885.2	1253.3	10892.3
GR	1253.9	10903.1	1254.2	10918.3	1257.3	10933.4				
NH	7	.055	9633.5	.028	9658.7	.055	9930.3	.09	9985.2	.028
NH	10001	.09	10059.2	.055	10485.7					
X1	0.261	71	9985.2	10024.6	600	450	465			
GR	1263.8	9402.6	1263.6	9407.3	1261.5	9419.6	1258.4	9438.7	1257.6	9448.3
GR	1257.7	9457.7	1257.5	9496.3	1256.9	9524.2	1256.7	9553.6	1256.7	9603.4
GR	1256.7	9612.6	1256.7	9616.9	1256.4	9618.7	1253.6	9633.5	1252.7	9650.9
GR	1252.2	9658.7	1253.1	9660.8	1257.0	9671.4	1256.8	9690.9	1256.8	9719.8
GR	1256.3	9752.5	1256.2	9755.0	1256.7	9798.9	1256.7	9840.2	1256.7	9840.5
GR	1256.7	9841.3	1256.7	9865.0	1256.7	9874.3	1256.2	9897.4	1256.5	9930.3
GR	1257.2	9972.1	1255.0	9985.2	1254.3	9997.3	1254.4	10000.0	1254.6	10001
GR	1255.9	10024.6	1255.2	10046.5	1255.4	10059.2	1256.7	10080.5	1256.7	10084.3
GR	1257.0	10107.5	1256.6	10119.7	1256.3	10140.4	1256.1	10146.2	1256.0	10151.2
GR	1255.6	10191.1	1256.2	10227.1	1255.9	10256.6	1255.8	10261.1	1255.6	10280.0
GR	1255.6	10282.0	1255.6	10282.8	1256.2	10291.0	1256.4	10298.3	1256.4	10314.1
GR	1256.7	10344.5	1256.7	10347.5	1256.4	10352.1	1255.0	10374.8	1255.3	10385.5
GR	1256.1	10400.0	1256.1	10400.0	1255.9	10408.0	1255.8	10419.8	1255.9	10425.6
GR	1256.1	10430.4	1257.1	10444.1	1257.8	10455.1	1259.2	10460.0	1263.4	10477.4
GR	1265.2	10485.7								
NH	6	.055	9785	.028	9810	.055	9930.1	.028	10000.0	.09
NH	10036	.055	10490							
X1	0.309	49	9974.4	10036	220	250	255			
GR	1270	9740	1260	9770	1256	9785	1254	9795	1254	9810
GR	1256	9815	1258	9822	1259	9850	1259.2	9860	1259.2	9880
GR	1259.2	9893.7	1259.4	9908.6	1256.4	9928.0	1256.1	9930.1	1257.8	9956.5
GR	1257.8	9956.9	1258.1	9974.4	1257.1	9987.5	1257.2	9991.8	1257.2	10000.0
GR	1257.2	10002.9	1257.8	10015.9	1258.6	10036	1258.9	10064.0	1258.9	10068.2
GR	1258.9	10074.8	1259.2	10132.7	1259.2	10181.8	1259.2	10208.7	1259.1	10227.9
GR	1258.9	10249.0	1258.5	10288.3	1258.2	10316.1	1257.8	10333.3	1258.4	10359.5
GR	1258.8	10366.0	1258.7	10379.8	1258.6	10404.6	1258.1	10415.4	1257.3	10426.7
GR	1257.8	10435.0	1258.3	10439.2	1258.6	10446.4	1258.9	10459.2	1257.3	10472.6
GR	1257.2	10473.4	1257.8	10475.2	1260	10483	1262	10490		

NH	5	.055	9980	.09	9995	.028	10003	.09	10015	.055
NH	10370									
X1	0.428	60	9969.2	10030	700	530	630			
GR	1280.1	9168.5	1273.4	9190.7	1273.3	9191.1	1273.3	9191.7	1273.1	9192.9
GR	1270.0	9220.1	1268.6	9231.1	1268.3	9247.7	1268.3	9280.7	1268.1	9305.7
GR	1267.5	9324.3	1266.5	9359.3	1266.1	9378.3	1265.6	9402.4	1264.5	9448.8
GR	1264.4	9456.0	1263.4	9530.6	1263.3	9537.3	1263.2	9545.5	1263.0	9552.8
GR	1262.8	9564.5	1263.2	9576.5	1263.4	9584.6	1264.0	9597.1	1263.9	9612.4
GR	1263.5	9700.2	1263.4	9739.3	1263.4	9749.8	1263.1	9752.8	1262.3	9760.7
GR	1261.7	9769.2	1263.8	9783.2	1263.9	9783.6	1263.9	9827.0	1263.8	9835.0
GR	1263.9	9837.3	1263.9	9839.4	1263.6	9845.3	1262.5	9855.4	1264.4	9876.4
GR	1264.9	9880.8	1263.8	9910.8	1264.0	9938.4	1264.4	9964.4	1264.5	9969.2
GR	1264.4	9980	1264	9990	1263.5	9995	1263.5	10003	1264.0	10015
GR	1264.4	10030	1264	10045	1263.1	10062	1263.9	10095	1263.6	10170
GR	1263.2	10210	1264	10255	1266	10315	1270	10330	1280	10370
NH	5	.055	9982.9	.09	10000.0	.028	10019.8	.09	10030.9	.055
NH	10312									
X1	0.514	48	9984.7	10030.9	420	430	450			
GR	1276.6	9309.7	1276.3	9313.2	1274.6	9327.3	1274.0	9332.8	1272.8	9345.3
GR	1271.7	9358.5	1268.3	9387.3	1268.2	9398.5	1268.1	9414.5	1267.4	9436.3
GR	1266.6	9494.2	1266.6	9496.0	1266.6	9496.8	1266.6	9521.0	1266.4	9531.9
GR	1266.0	9584.7	1266.3	9622.8	1266.4	9660.4	1266.7	9705.9	1266.9	9707.3
GR	1267.0	9720.1	1266.4	9751.8	1266.0	9831.4	1266.1	9837.8	1266.5	9859.5
GR	1266.8	9881.0	1267.5	9904.8	1267.4	9923.3	1267.6	9953.0	1267.8	9969.8
GR	1267.8	9972.8	1268.3	9982.9	1268.1	9984.7	1266.7	10000.0	1266.8	10002.5
GR	1267.8	10019.8	1267.8	10030.9	1267.5	10053.4	1266.9	10092.5	1266.4	10117.4
GR	1266.3	10162.4	1266.5	10175.8	1267.6	10228.3	1268.5	10272.0	1268.5	10279.2
GR	1269.7	10286.0	1275.9	10307.0	1277.5	10312				
NH	5	.055	9979.1	.09	9995.0	.028	10002.5	.09	10028.8	.055
NH	10053									
X1	0.625	35	9984.4	10028.8	585	585	585			
GR	1283.4	9257.3	1281.9	9263.9	1281.7	9264.8	1281.6	9265.4	1281.5	9266.2
GR	1276.0	9298.0	1275.6	9319.5	1275.0	9366.6	1274.2	9388.4	1273.6	9420.3
GR	1273.5	9422.8	1273.4	9429.9	1273.3	9451.9	1273.4	9468.5	1273.1	9474.4
GR	1271.2	9512.8	1271.6	9621.3	1271.6	9648.5	1271.5	9659.3	1270.9	9717.5
GR	1270.6	9753.2	1270.7	9764.2	1270.7	9764.4	1270.7	9773.3	1270.6	9822.2
GR	1270.6	9864.1	1271.0	9911.6	1271.1	9930.6	1271.6	9979.1	1271.7	9984.4
GR	1270.9	9995.0	1270.5	10000.0	1270.6	10002.5	1270.8	10028.8	1282.1	10053
NH	5	.055	9963.2	.09	10000.0	.028	10015.4	.09	10028.8	.055
NH	10125									
X1	0.745	46	9963.2	10028.8	480	635	635			
GR	1287.7	9138.9	1279.4	9170.7	1278.6	9173.5	1278.3	9174.5	1277.8	9218.0
GR	1277.7	9230.1	1276.9	9268.2	1276.3	9305.4	1276.0	9313.2	1276.1	9318.2
GR	1275.7	9363.1	1275.7	9371.1	1275.1	9404.3	1274.8	9411.7	1275.0	9442.9
GR	1275.1	9476.8	1275.1	9489.6	1275.4	9565.3	1274.8	9603.3	1275.0	9638.7
GR	1275.7	9693.4	1275.3	9703.2	1274.0	9722.1	1274.0	9733.1	1274.6	9752.2
GR	1274.4	9781.6	1274.8	9820.1	1274.8	9839.7	1274.4	9879.0	1274.8	9928.2
GR	1275.0	9935.4	1275.1	9940.8	1275.9	9963.2	1274.7	9979.4	1274.3	9987.3
GR	1274.4	10000.0	1274.5	10001.8	1274.5	10002.0	1275.0	10015.4	1275.3	10028.8
GR	1277.0	10083.3	1278.5	10094.0	1280.0	10098.2	1282.2	10103.7	1286.4	10116.4

```
GR   1288.9     10125

NH      5      .055     9919.0      .09     9975.0      .028    10000.0      .09    10030.8      .055
NH  10057
X1  0.825        58     9916.5  10030.8        390       420        425
GR  1300.1   9088.2     1299.9   9089.9     1297.5    9106.7     1295.3   9119.9     1295.0    9120.9
GR  1294.7   9123.5     1290.4   9146.1     1289.1    9162.6     1288.8   9167.1     1288.5    9169.4
GR  1285.0   9198.7     1282.9   9221.1     1282.5    9236.3     1281.7   9268.5     1281.5    9282.9
GR  1280.7   9332.3     1280.6   9341.9     1280.2    9383.1     1280.1   9413.7     1278.1    9463.2
GR  1277.9   9468.3     1278.2   9470.3     1280.2    9479.1     1280.2   9518.5     1280.0    9585.2
GR  1279.9   9586.7     1278.4   9627.6     1279.2    9642.4     1279.3   9646.0     1277.8    9665.8
GR  1279.4   9685.4     1279.4   9686.3     1279.4    9687.6     1279.4   9696.8     1279.5    9753.0
GR  1279.5   9758.8     1279.4   9760.9     1278.9    9777.5     1279.3   9793.1     1279.4    9804.4
GR  1279.0   9828.2     1277.8   9916.5     1277.8    9917.6     1277.8   9919.0     1277.8    9960.1
GR  1277.8   9965.5     1277.8   9975.0     1277.8    9981.0     1277.8   9994.3     1277.9   10000.0
GR  1277.8  10008.7     1277.9  10010.6     1277.8   10013.2     1278.6  10026.0     1279.6   10030.8
GR  1280.7  10038.4     1287.6  10054.2     1286.2    10057

NH      5      .055     9930.6      .09     9981.8      .028    10000.0      .09    10031.8      .055
NH  10322
X1  0.923        44     9981.8  10050.4        375       540        515
GR  1291.8   9536.9     1288.3   9560.4     1285.3    9575.9     1284.5   9591.9     1284.1    9601.5
GR  1283.9   9635.0     1283.8   9668.7     1283.6    9680.1     1282.9   9730.0     1281.5    9747.3
GR  1280.6   9760.9     1282.3   9776.7     1282.7    9781.5     1282.7   9785.3     1282.3    9848.9
GR  1282.3   9904.1     1282.2   9906.2     1282.2    9907.0     1282.0   9913.9     1281.6    9926.8
GR  1281.6   9927.9     1281.7   9930.6     1283.2    9981.8     1281.9   9991.0     1280.6   10000.0
GR  1281.4  10022.1     1281.7  10031.8     1282.1   10050.4     1282.2  10057.8     1282.2   10061.5
GR  1282.2  10072.2     1282.5  10122.6     1281.5   10149.6     1281.1  10158.3     1281.9   10171.6
GR  1282.1  10178.3     1282.2  10243.4     1282.3   10270.3     1283.7  10280.5     1285.6   10285.5
GR  1286.5  10288.0     1291.3  10297.8     1294.3   10308.2     1299.3    10322

NH      6      .055     9895.3      .028    9919.0      .09     9979.6      .028   10000.0      .09
NH  10028      .055    10456.8
X1  1.021        42     9965.9  10018.1        400       550        515
GR  1295.4   9733.7     1293.3   9738.6     1291.6    9743.4     1290.0   9754.8     1289.5    9758.4
GR  1289.4   9759.2     1288.0   9798.2     1287.5    9803.7     1285.8   9821.9     1286.3    9828.1
GR  1287.3   9851.5     1287.3   9853.5     1287.0    9854.9     1284.4   9876.1     1284.5    9876.6
GR  1285.3   9895.3     1284.1   9919.0     1285.5    9945.7     1285.5   9947.4     1284.1    9965.9
GR  1283.8   9979.6     1283.9   9984.4     1283.7   10000.0     1285.4  10018.1     1286.0     10028
GR  1286.0  10034.4     1286.2  10071.9     1286.7   10109.6     1287.6  10144.4     1287.8   10160.9
GR  1288.3  10201.0     1288.7  10240.8     1288.9   10273.9     1289.0  10285.4     1289.1   10289.2
GR  1291.9  10363.6     1292.6  10382.5     1293.1   10393.8     1298.0  10426.8     1298.2   10429.2
GR  1304.8  10452.6     1305.7  10456.8

NH      5      .055     9958.1      .09     9975.4      .028    10025.4      .09    10054.8      .055
NH  10648
X1  1.078        54     9965.1  10029.6        260       350        300
GR  1290.0   9750.0     1287.2   9759.3     1287.5    9766.0     1288.2   9780.2     1288.3    9783.2
GR  1288.3   9786.2     1288.1   9800.1     1287.4    9806.7     1287.0   9812.7     1287.9    9828.6
GR  1288.3   9836.0     1288.5   9854.4     1288.5    9898.9     1288.9   9937.0     1288.9    9958.1
GR  1287.9   9965.1     1285.8   9975.4     1285.3   10000.0     1285.5  10025.4     1286.3   10029.6
GR  1286.0  10054.8     1286.0  10055.1     1286.0   10055.1     1286.1  10064.0     1286.2   10066.1
GR  1287.0  10092.7     1287.9  10099.3     1288.6   10106.2     1289.5  10159.9     1289.7   10195.3
GR  1290.2  10221.8     1290.4  10273.9     1290.6   10299.0     1290.3  10314.5     1290.6   10327.8
```

```
GR  1290.9   10334.3   1291.1   10367.0   1291.1   10368.9   1291.1   10370.5   1291.5   10385.7
GR  1291.3   10412.5   1291.3   10432.6   1291.8   10455.6   1291.8   10460.1   1292.7   10476.7
GR  1293.8   10488.3   1294.7   10540.6   1294.9   10568.4   1295.1   10582.6   1299.2   10598.8
GR  1305.6   10623.5   1309.9   10646.9   1309.9   10647.2   1310.0     10648

NH     4       .055      9980      .028   10024.9       .09   10039.7      .055     10992
X1 1.208         52      9980   10039.7       685       400       685
GR  1315      9955      1305      9960      1300      9970      1295      9975      1290      9980
GR 1289.3    9989.3    1289.8   10000.0    1290.8   10024.9    1291.7   10039.7    1292.6   10051.2
GR 1292.3   10075.9    1292.6   10109.3    1292.7   10128.3    1292.1   10136.2    1290.8   10156.6
GR 1291.3   10163.9    1292.0   10177.2    1292.6   10199.3    1292.8   10212.8    1290.6   10237.5
GR 1290.6   10237.8    1290.7   10238.9    1292.2   10262.3    1292.1   10274.3    1292.2   10307.8
GR 1292.2   10338.2    1292.3   10373.5    1291.9   10387.0    1290.4   10421.6    1291.1   10443.4
GR 1291.4   10456.2    1291.6   10471.6    1291.7   10476.5    1291.2   10483.4    1290.0   10496.1
GR 1289.9   10507.9    1290.4   10519.1    1291.4   10532.6    1291.3   10584.9    1291.0   10681.5
GR 1291.8   10748.7    1293.3   10842.5    1293.4   10850.7    1294.1   10868.6    1294.8   10883.0
GR 1296.5   10936.9    1297.3   10954.8    1297.3   10956.6    1297.4   10958.8    1298.0   10968.8
GR 1300.6   10984.6    1301.8     10992

NH     5       .055    9955.3       .09    9981.7       .028   10017.8       .09   10062.4       .055
NH 10740
X1 1.296         44    9955.3   10020.4       465       320       465
GR 1306.1    9677.3    1306.0    9681.6    1305.6    9683.7    1298.9    9706.1    1297.5    9717.5
GR 1296.1    9762.2    1295.3    9793.2    1294.7    9858.9    1295.2    9899.8    1295.9    9933.8
GR 1293.9    9955.3    1293.2    9961.5    1293.0    9981.7    1292.9   10000.0    1294.8   10017.8
GR 1295.2   10020.4    1296.1   10062.4    1296.1   10078.8    1295.1   10106.2    1294.6   10112.1
GR 1294.3   10133.6    1294.6   10139.6    1295.6   10167.3    1295.2   10235.3    1295.2   10244.3
GR 1295.0   10266.4    1294.9   10280.8    1294.9   10284.9    1295.3   10322.5    1295.2   10330.2
GR 1295.0   10364.2    1294.6   10390.8    1294.4   10396.2    1294.7   10409.2    1295.2   10420.3
GR 1295.7   10500.8    1296.0   10537.6    1296.2   10565.8    1298.1   10652.3    1298.9   10681.1
GR 1300.1   10696.6    1300.6   10708.3    1303.5   10732.3    1304.1     10740

NH     8       .055    9965.0       .09    9977.7       .028   10013.8       .09   10072.9       .055
NH 10111       .028   10160.3       .09   10185.1       .055   10608.1
ET               7.1       7.1                                    8910     10322
      AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
      THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
      LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
      DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
      SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
      AND SEC.1.406 (LEFT OF STA. 9800+\-).
      THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
      APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.
X1 1.406         66    9965.0   10072.9       580       470       580
GR 1310      8910      1308      8918      1306      8930      1304      9060      1302      9150
GR 1300      9380      1302      9540    1308.1      9580    1304.1    9779.2    1303.9    9782.4
GR 1302.4    9798.3    1301.7    9818.8    1301.6    9824.1    1301.3    9828.6    1299.1    9853.5
GR 1299.0    9870.0    1299.2    9894.0    1299.5    9965.0    1298.0    9977.7    1296.7    9986.4
GR 1297.3   10000.0    1297.8   10009.2    1297.9   10013.8    1298.3   10033.0    1299.1   10072.9
GR 1299.3   10083.5    1299.6   10095.1    1298.8     10111    1298.1   10121.3    1297.8   10160.3
GR 1297.5   10185.1    1299.2   10200.0    1299.8   10204.1    1299.3   10219.3    1299.3   10221.0
GR 1299.4   10227.0    1301.7   10244.9    1302.2   10256.6    1303.3   10262.9    1305.9   10279.1
GR 1308.4   10293.4    1308.3   10295.8    1309.3   10307.1    1311.8   10321.3    1311.9   10322.2
GR 1311.9   10322.3    1311.8   10323.3    1310.0   10341.7    1310.0   10341.7    1306.3   10356.8
```

```
GR  1305.8   10360.4   1301.0   10380.7   1300.6   10392.8   1300.0   10426.9   1300.0   10427.7
GR  1300.0   10428.6   1300.9   10450.2   1301.0   10476.5   1301.8   10536.7   1303.5   10557.4
GR  1303.9   10564.2   1304.2   10567.0   1306.5   10588.6   1307.5   10591.3   1310.4   10602.8
GR  1312.5   10608.1

NH      5      .055    9956.4      .09      9974      .028    10036.0      .09    10057.6      .055
NH  10517
      THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
      APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
      SEC. 1.753.
X1  1.466       86    9947.1   10100.7       320       300       315
GR  1314.0   8674.9   1308.0    8721.1   1308.0    8726.6   1307.8    8728.4   1307.8    8734.5
GR  1306.5   8827.4   1306.1    8884.2   1304.6    9017.9   1304.5    9022.8   1304.5    9026.4
GR  1303.9   9078.1   1304.1    9128.0   1303.5    9177.9   1302.8    9221.1   1302.8    9245.7
GR  1302.1   9302.1   1302.0    9308.9   1302.9    9313.7   1305.0    9328.7   1306.8    9344.0
GR  1310.8   9370.6   1311.6    9377.0   1311.7    9379.1   1312.0    9400.8   1311.9    9401.2
GR  1311.1   9420.0   1311.0    9429.3   1310.1    9438.1   1308.7    9448.9   1306.2    9457.8
GR  1305.6   9460.3   1305.6    9461.8   1305.7    9466.5   1306.6    9494.1   1306.7    9512.5
GR  1306.7   9514.2   1310.2    9533.3   1309.8    9540.3   1308.8    9559.5   1309.0    9561.3
GR  1310.7   9577.8   1311.1    9602.0   1311.6    9625.9   1310.9    9643.9   1311.0    9676.0
GR  1310.7   9678.3   1310.2    9682.1   1309.8    9684.8   1306.6    9712.4   1302.5    9740.1
GR  1302.6   9768.3   1302.8    9789.2   1303.0    9805.5   1301.9    9854.3   1301.2    9877.0
GR  1301.7   9922.3   1302.2    9947.1   1301.2    9956.4   1299.4    9974.0   1299.2   10000.0
GR  1298.9  10036.0   1298.9   10057.6   1298.9   10084.0   1300.1   10100.7   1300.6   10106.8
GR  1300.7  10113.7   1300.9   10123.4   1301.6   10162.9   1306.9   10185.8   1308.7   10193.4
GR  1304.1  10234.0   1303.9   10236.5   1304.0   10249.4   1304.3   10287.2   1304.3   10290.3
GR  1304.4  10325.7   1304.4   10335.4   1304.6   10354.9   1304.8   10362.4   1305.9   10416.1
GR  1307.0  10456.5   1308.3   10461.0   1311.3   10476.3   1312.6   10501.0   1313.4   10507.3
GR  1313.8    10517

NH      5      .055    9898.7      .09    9962.3      .028    10057.0      .09    10089.7      .055
NH  10232
X1  1.592       81    9898.7   10088.4       500       700       665
GR  1309.5   8622.6   1309.4    8631.8   1308.4    8674.9   1308.2    8725.0   1307.9    8733.8
GR  1307.8   8753.3   1307.8    8835.3   1307.4    8850.7   1306.1    8907.5   1306.1    8922.2
GR  1306.1   8975.0   1306.4    9072.0   1306.4    9109.2   1306.5    9170.7   1306.1    9233.0
GR  1306.1   9236.6   1306.2    9242.9   1306.8    9282.1   1307.7    9375.7   1307.8    9387.4
GR  1307.7   9388.9   1306.6    9419.8   1306.7    9424.0   1306.7    9454.9   1306.7    9464.9
GR  1306.9   9494.6   1306.3    9525.1   1306.0    9549.6   1305.8    9584.7   1306.1    9633.5
GR  1305.8   9675.0   1306.0    9706.2   1306.0    9723.7   1305.9    9733.3   1306.1    9794.4
GR  1306.0   9795.4   1303.9    9815.2   1304.6    9821.1   1304.6    9827.5   1304.5    9829.3
GR  1305.3   9835.6   1305.6    9838.2   1305.8    9842.3   1306.1    9892.1   1305.4    9898.7
GR  1304.3   9918.1   1303.6    9926.5   1302.9    9937.6   1303.0    9942.5   1302.8    9945.3
GR  1302.7   9962.3   1303.2    9965.7   1304.0    9976.7   1303.7    9982.9   1303.6   10000.0
GR  1303.5  10008.8   1303.1   10018.7   1303.1   10024.1   1303.8   10050.4   1303.9   10052.4
GR  1304.0  10057.0   1304.2   10076.2   1305.3   10084.6   1305.7   10088.4   1305.7   10089.7
GR  1306.1  10117.5   1303.5   10131.8   1303.3   10133.1   1303.7   10135.3   1306.9   10156.1
GR  1307.2  10160.5   1307.2   10161.5   1307.5   10164.7   1309.2   10185.6   1309.4   10186.8
GR  1309.8  10195.8   1311.7   10206.0   1312.0   10209.0   1313.2   10212.5   1315.6   10220.2
GR  1318.8    10232
```

```
NH      5      .055     9980.1       .09     9999.1       .028    10024.3       .09    10044.3       .055
NH   10426
       THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO
       CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.
X1   1.753       58     9980.1    10044.3        600        950        850
GR  1324.3   9439.8   1319.4    9494.0   1314.3   9515.7   1312.8   9524.0   1312.8   9535.3
GR  1312.7   9571.8   1312.6    9599.7   1312.7   9635.3   1312.7   9651.9   1312.2   9670.2
GR  1312.2   9682.6   1312.2    9694.1   1312.4   9699.7   1312.8   9698.4   1312.7   9704.2
GR  1312.2   9748.9   1311.0    9758.8   1310.5   9762.5   1312.7   9782.7   1312.8   9783.8
GR  1312.4   9822.8   1312.6    9859.8   1312.8   9877.0   1312.6   9882.2   1311.2   9896.4
GR  1311.5   9899.2   1311.7    9910.3   1311.7   9924.9   1313.8   9980.1   1309.6   9999.1
GR  1309.4  10000.0   1309.6   10008.0   1309.9  10024.3   1310.3  10026.9   1312.6  10044.3
GR  1312.6  10074.6   1312.5   10103.6   1312.2  10124.5   1312.0  10142.4   1312.2  10160.2
GR  1311.9  10172.3   1311.7   10179.3   1311.7  10193.3   1311.7  10197.8   1311.8  10200.7
GR  1312.4  10222.3   1312.6   10230.6   1313.7  10257.2   1315.0  10274.3   1315.4  10291.0
GR  1316.3  10312.0   1317.2   10352.0   1317.5  10358.5   1317.7  10362.4   1321.2  10375.8
GR  1325.4  10398.6   1327.5   10408.4   1332.7     10426

NH      5      .055     9963.9       .09     9979.7       .028    10022.6       .09    10029.0       .055
NH   10839
X1   1.857       56     9977.9    10022.6        390        550        550
GR  1326.7   9884.4   1326.7    9895.1   1326.6   9899.3   1326.2   9911.3   1325.3   9931.4
GR  1322.5   9945.2   1322.2    9949.0   1319.5   9963.9   1313.4   9977.9   1312.8   9979.7
GR  1312.8   9984.6   1312.8   10000.0   1315.5  10022.6   1316.1  10028.1   1316.1  10029.0
GR  1315.8  10059.8   1315.6   10069.2   1316.0  10076.6   1316.7  10098.5   1316.1  10161.8
GR  1316.0  10167.8   1315.5   10171.3   1314.1  10180.8   1313.9  10182.3   1314.0  10182.6
GR  1315.6  10192.5   1315.6   10198.1   1315.3  10206.6   1313.9  10212.3   1313.3  10216.3
GR  1314.0  10221.8   1315.4   10233.2   1315.9  10252.8   1316.0  10257.8   1316.0  10265.3
GR  1315.4  10283.6   1315.8   10299.8   1316.3  10313.0   1316.2  10352.7   1316.3  10362.3
GR  1317.9  10435.9   1318.2   10456.7   1319.1  10491.3   1321.7  10591.4   1322.7  10625.6
GR  1323.3  10653.4   1323.9   10693.0   1324.4  10708.9   1324.1  10733.6   1324.1  10748.2
GR  1324.1  10761.4   1324.3   10781.7   1332.3  10815.4   1332.8  10817.4   1333.3  10820.0
GR  1338.1    10839

NH      5      .055     9953.7       .09     9967.0       .028    10060.1       .09    10072.1       .055
NH   11096
X1   1.949       55     9963.7    10072.1        485        420        485
GR  1330.1   9903.9   1328.0    9913.5   1324.4   9930.6   1323.9   9933.6   1323.6   9935.9
GR  1320.3   9953.7   1319.5    9963.7   1319.0   9967.0   1318.5   9969.5   1316.4   9982.6
GR  1316.3  10000.0   1317.9   10060.1   1318.2  10072.1   1318.3  10073.9   1318.6  10078.9
GR  1319.4  10096.0   1319.4   10158.7   1319.6  10176.3   1319.4  10180.0   1319.1  10190.2
GR  1319.2  10206.1   1319.3   10215.1   1319.4  10229.8   1319.4  10253.3   1319.0  10325.1
GR  1318.9  10333.8   1318.9   10340.6   1318.9  10342.1   1318.8  10346.5   1318.9  10358.6
GR  1318.9  10438.9   1318.9   10461.7   1318.9  10464.4   1318.9  10465.9   1320.0  10488.3
GR  1320.4  10538.0   1320.3   10560.5   1320.4  10580.8   1321.0  10621.4   1322.1  10685.2
GR  1322.7  10715.3   1323.4   10750.7   1323.6  10767.7   1323.8  10778.1   1324.8  10818.9
GR  1324.9  10823.7   1325.3   10868.6   1325.6  10905.0   1325.6  10906.9   1325.8  10910.9
GR  1326.5  10967.2   1328.3   11008.7   1329.2  11048.8   1335.9  11075.6   1341.2    11096
```

NH	10	.055	9395	.028	9405	.09	9420	.055	9512.5	.028
NH	9537.6	.055	9883.9	.09	9936.4	.028	10000.0	.09	10028.1	.055
NH	10730									
ET		7.1	7.1				9220	10265.3		
X1	2.088	85	9927.9	10028.1	880	580	735			
GR	1330	9220	1326	9230	1326	9350	1325.6	9364.1	1325.5	9390
GR	1323.7	9395	1323.3	9405	1324	9410	1324.3	9420	1325.9	9450
GR	1323.3	9465	1324.0	9482.4	1325.0	9483.2	1325.0	9486.5	1324.6	9501.5
GR	1323.8	9512.5	1323.8	9516.6	1323.9	9537.6	1325.0	9553.2	1325.0	9553.3
GR	1325.0	9553.4	1324.6	9567.4	1325.4	9577.4	1325.6	9586.0	1325.8	9593.5
GR	1325.2	9605.4	1325.2	9649.9	1324.8	9678.3	1324.3	9698.7	1323.9	9717.7
GR	1324.2	9721.4	1324.4	9743.0	1324.7	9775.5	1324.5	9824.7	1324.6	9829.7
GR	1324.5	9832.6	1324.6	9848.7	1324.3	9851.5	1324.0	9857.5	1324.5	9863.3
GR	1324.8	9866.7	1325.0	9883.9	1325.5	9926.5	1325.3	9927.9	1322.8	9936.4
GR	1322.7	9941.9	1322.2	9964.2	1322.0	9973.8	1321.7	9980.2	1321.7	9989.5
GR	1321.7	9993.3	1321.7	10000.0	1321.4	10016.5	1324.5	10028.1	1324.9	10029.3
GR	1324.7	10037.6	1324.4	10052.4	1322.3	10063.1	1321.8	10067.7	1322.9	10081.7
GR	1324.3	10100.4	1324.3	10109.7	1324.5	10116.2	1325.0	10155.6	1325.4	10181.4
GR	1325.2	10243.8	1325.3	10245.6	1326.3	10265.3	1325.9	10295.3	1325.3	10329.3
GR	1324.7	10345.1	1324.6	10351.6	1325.3	10379.2	1326.1	10400.8	1326.8	10427.2
GR	1326.8	10433.4	1326.9	10476.0	1328.6	10565.7	1328.8	10577.8	1328.9	10584.8
GR	1328.9	10588.5	1329.3	10601.0	1330.5	10672.8	1330.7	10718.3	1330.8	10730
NH	13	.055	9250	.09	9260	.028	9270	.09	9290	.055
NH	9511.3	.09	9533.6	.028	9540.4	.09	9550.5	.055	9960.2	.09
NH	9974.1	.028	10017.5	.09	10033.9	.055	10504.0			
ET		7.1	7.1				9200	10504.0		
X1	2.215	74	9969.7	10033.9	750	650	670			
GR	1334	8975	1332	9000	1330	9020	1330	9050	1332	9060
GR	1330	9150	1330	9160	1332	9200	1330	9250	1329.1	9260
GR	1329.1	9270	1330	9275	1332	9290	1332	9360	1332	9500
GR	1331.8	9511.3	1328.8	9533.6	1328.2	9540.4	1328.2	9550.5	1329.1	9555.7
GR	1329.2	9557.7	1330.0	9572.9	1330.0	9580.5	1330.1	9588.8	1330.0	9590.1
GR	1329.7	9592.5	1329.3	9596.5	1329.3	9602.3	1329.9	9616.0	1329.9	9624.5
GR	1330.6	9649.0	1330.5	9649.7	1329.8	9660.1	1330.7	9694.1	1331.6	9705.5
GR	1331.7	9706.4	1331.7	9710.3	1331.2	9739.6	1331.0	9748.7	1330.7	9782.3
GR	1329.9	9840.3	1329.5	9854.6	1329.6	9859.3	1329.7	9870.7	1329.9	9890.7
GR	1330.1	9937.4	1330.4	9960.2	1330.2	9969.6	1330.3	9969.7	1329.1	9974.1
GR	1326.6	9983.0	1326.0	9986.9	1326.0	10000.0	1325.8	10017.5	1325.1	10017.6
GR	1330.3	10033.9	1330.6	10035.5	1330.5	10041.1	1330.1	10062.5	1329.8	10095.4
GR	1329.8	10116.2	1329.6	10122.8	1329.0	10161.6	1330.1	10187.2	1330.1	10188.8
GR	1330.2	10189.5	1331.1	10269.7	1331.8	10306.5	1332.2	10332.5	1332.6	10356.1
GR	1332.8	10401.6	1333.1	10477.3	1333.2	10489.4	1333.2	10504.0		
NH	9	.055	9561.3	.09	9579.4	.028	9600.0	.09	9615.1	.055
NH	9983.3	.09	10000.0	.028	10035.3	.09	10051.6	.055	10216.6	
ET		7.1	7.1				9378.5	10216.6		
X1	2.340	73	9983.3	10051.6	750	660	660			
GR	1343.2	9008.4	1342.3	9016.4	1342.2	9017.7	1342.1	9021.5	1340.5	9092.0
GR	1340.2	9113.8	1338.9	9132.1	1338.9	9132.1	1338.9	9132.2	1339.3	9150.5
GR	1338.9	9171.5	1338.0	9244.5	1337.2	9294.5	1337.2	9330.9	1336.4	9343.6
GR	1336.1	9352.8	1337.2	9362.9	1337.8	9373.0	1337.8	9375.0	1337.8	9378.5
GR	1337.7	9383.2	1336.7	9459.0	1336.7	9463.8	1336.7	9477.7	1336.9	9485.6

GR	1337.2	9516.5	1337.6	9553.0	1337.7	9561.3	1337.1	9566.3	1335.0	9579.4
GR	1335.0	9589.0	1335.2	9600.0	1335.7	9604.2	1337.0	9615.1	1335.5	9626.7
GR	1335.5	9629.1	1335.5	9630.5	1335.3	9638.0	1335.4	9644.0	1335.4	9646.1
GR	1335.8	9663.0	1335.8	9676.6	1335.9	9708.7	1336.1	9714.6	1336.0	9717.2
GR	1336	9736.7	1336.5	9763.5	1337.2	9774.8	1337.2	9788.7	1337.1	9795.6
GR	1336	9810.1	1336	9816.4	1336	9817.0	1337.9	9854.7	1339.4	9870.2
GR	1339.4	9871.2	1339.8	9918.4	1338.5	9942.4	1338.0	9960.0	1337.8	9969.6
GR	1340.7	9981.3	1341.3	9983.3	1333.6	9996.1	1330.6	10000.0	1331.6	10028.7
GR	1331.6	10031.3	1333.2	10035.3	1340.0	10051.6	1340.4	10066.0	1339.3	10134.6
GR	1339.6	10152.2	1340.3	10188.9	1341.8	10216.6				
NH	9	.055	9721.9	.09	9735	.028	9753.9	.09	9771.7	.055
NH	9955.1	.09	9971.5	.028	10077.0	.09	10092.8	.055	10149.2	
QT	2	3277	3277							

OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
HYDRAULIC MODELING MADE FOR ROAD.
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C900. (D.A.=26.14 SQ. MI.).

X1	2.438	54	9955.1	10084.9	350	500	520			
GR	1344.2	9151.3	1342.9	9199.5	1342.5	9202.7	1341.8	9243.1	1341.1	9271.8
GR	1341.5	9288.5	1341.1	9352.5	1340.4	9375.1	1340.4	9412.9	1340.4	9452.2
GR	1340.3	9536.5	1340.0	9576.9	1340.0	9590.1	1339.9	9619.4	1339.5	9638.7
GR	1339.5	9714.2	1339.5	9719.8	1339.5	9721.9	1337.5	9735	1337.0	9740.6
GR	1337.0	9740.7	1337.0	9753.9	1340.1	9771.7	1341.7	9780.3	1341.2	9783.7
GR	1339.2	9794.7	1339.0	9807.6	1338.9	9811.9	1338.9	9824.7	1338.7	9832.8
GR	1340.8	9857.5	1341.1	9861.3	1341.1	9862.9	1341.6	9889.0	1341.8	9895.6
GR	1341.9	9910.8	1341.0	9933.4	1339.8	9955.1	1339.2	9959.8	1338.8	9964.9
GR	1338.0	9971.5	1337.2	9974.1	1336.2	9979.7	1336.2	10000.0	1336.9	10058.7
GR	1337.1	10073.5	1337.2	10073.9	1337.5	10077.0	1339.0	10084.9	1340.8	10092.8
GR	1340.3	10107.6	1340.3	10117.3	1340.4	10125.8	1340.8	10149.2		
ET		7.1	7.1				9832	10730		
NH	9	.055	9885.1	.09	9893.9	.028	9957.2	.09	9965.5	.028
NH	10003	.09	10017.9	.055	10180	.028	10440	.055	10730	
X1	2.549	52	9965.5	10017.9	505	800	585			
GR	1349.5	9593.7	1349.1	9603.1	1345.9	9632.7	1343.9	9659.9	1343.9	9660.0
GR	1342.4	9673.7	1342.9	9683.8	1343.1	9689.3	1343.0	9695.8	1342.8	9720.8
GR	1343.0	9747.9	1344.3	9757.3	1344.8	9763.0	1346.6	9777.4	1348.2	9793.6
GR	1348.9	9802.7	1349.4	9832.7	1349.2	9843.7	1349.2	9843.8	1348.7	9871.7
GR	1344.3	9885.1	1342.8	9890.2	1342.4	9893.9	1342.2	9924.6	1341.9	9957.2
GR	1343.7	9964.5	1344.0	9965.5	1343.9	9966.4	1342.3	9988.2	1342.2	9989.8
GR	1342.4	9992.3	1342.6	10000.0	1343.2	10003	1344.4	10017.9	1344.0	10040
GR	1343.5	10130	1342.5	10180	1343	10200	1342	10215	1342	10230
GR	1343.3	10260	1344	10290	1344	10320	1342	10340	1342.5	10400
GR	1342	10430	1342	10440	1346	10450	1346	10460	1346	10530
GR	1348	10615	1350	10730						
NH	8	.055	9956.6	.09	9978.3	.028	10014.7	.09	10034.2	.055
NH	10190	.028	10290	.09	10305	.055	10710			

X1	2.593	25	9978.3	10034.2	200	430	230			
GR	1354.7	9888.0	1354.9	9890.9	1350.6	9905.7	1344.7	9922.4	1345.5	9937.8
GR	1346.3	9956.6	1345.4	9978.3	1343.9	10000.0	1344.2	10014.7	1345.2	10023.9
GR	1346.4	10034.2	1345.9	10056.7	1345.8	10120	1345.0	10150	1346	10180
GR	1346.0	10190	1344.3	10220	1344.3	10240	1344.2	10290	1346	10305
GR	1346	10340	1345	10350	1346	10370	1348	10580	1350	10710
NH	4	.09	9966.6	.028	10074.6	.09	10129.1	.055	10831.3	
X1	2.634	51	9944.8	10116.7	220	200	220			
GR	1355.4	9924.3	1355.4	9924.5	1355.6	9934.3	1351.8	9944.8	1345.7	9962.7
GR	1346.2	9966.6	1348.0	9994.3	1348.1	10000.0	1347.3	10019.4	1348.0	10051.4
GR	1348.0	10061.6	1347.9	10069.7	1347.8	10072.2	1347.8	10074.6	1347.8	10113.3
GR	1347.8	10115.2	1347.8	10116.7	1347.1	10129.1	1345.9	10160.8	1345.9	10168.2
GR	1346.8	10190.8	1347.9	10206.6	1347.8	10225.0	1347.7	10269.5	1348.6	10303.8
GR	1348.6	10311.1	1348.1	10347.7	1347.6	10401.0	1346.5	10410.8	1346.1	10416.9
GR	1348.7	10431.1	1349.4	10435.4	1349.4	10438.7	1349.2	10454.4	1348.1	10509.1
GR	1347.3	10518.7	1346.1	10532.4	1346.1	10532.5	1346.1	10532.9	1349.5	10559.4
GR	1349.0	10589.8	1348.9	10591.3	1348.9	10592.3	1348.9	10593.4	1349.4	10609.4
GR	1349.8	10691.7	1350.3	10717.2	1350.6	10740.2	1351.3	10783.9	1352.0	10814.0
GR	1351.8	10831.3								
NH	4	.09	9994.8	.028	10028.0	.09	10068.0	.055	10987.8	
X1	2.730	50	9976.6	10050.4	505	350	505			
GR	1362.0	9963.0	1362.6	9965.4	1361.1	9967.4	1360.9	9974.8	1361.0	9975.3
GR	1360.9	9976.1	1360.6	9976.6	1349.6	9994.8	1347.8	9998.4	1347.8	10000.0
GR	1347.8	10028.0	1348.7	10034.0	1351.1	10050.4	1351.5	10068.0	1350.7	10069.8
GR	1351.0	10075.7	1351.2	10086.5	1350.7	10104.3	1351.2	10159.4	1350.9	10180.2
GR	1350.6	10218.4	1350.6	10260.0	1350.1	10282.3	1348.6	10287.9	1347.9	10298.3
GR	1348.7	10309.8	1350.0	10324.5	1350.5	10330.8	1350.6	10362.2	1350.7	10418.8
GR	1350.6	10447.2	1350.4	10510.4	1349.9	10538.5	1349.9	10581.1	1349.9	10612.5
GR	1350.0	10614.4	1349.9	10615.5	1348.3	10625.5	1351.0	10650.6	1351.1	10651.3
GR	1351.1	10652.7	1351.1	10658.7	1351.3	10771.8	1349.9	10820.8	1349.3	10838.7
GR	1349.8	10848.4	1350.5	10858.3	1351.8	10891.2	1352.2	10923.3	1353.0	10987.8
NH	4	.09	9996.4	.028	10020.5	.09	10063.1	.055	10943.7	
ET		7.1	7.1				9950.0	10643.5		
X1	2.826	59	9990.3	10063.1	510	350	505			
GR	1372.3	9950.0	1370.3	9962.0	1368.4	9967.2	1363.4	9977.3	1359.4	9985.5
GR	1355.6	9990.3	1350.6	9996.4	1349.4	9997.8	1349.3	10000.0	1349.9	10014.6
GR	1351.0	10020.5	1354.0	10041.5	1354.7	10063.1	1355.0	10073.5	1354.3	10075.7
GR	1351.7	10082.6	1353.2	10108.7	1353.3	10119.0	1353.7	10130.9	1353.7	10169.5
GR	1353.8	10219.5	1353.8	10231.0	1353.8	10234.1	1353.5	10237.2	1351.9	10245.0
GR	1350.7	10250.5	1351.2	10254.0	1353.7	10269.8	1353.0	10281.4	1353.0	10290.5
GR	1353.8	10322.4	1353.9	10324.4	1353.9	10325.2	1353.0	10351.6	1353.3	10430.0
GR	1353.3	10437.0	1352.8	10443.2	1350.9	10465.6	1351.5	10479.5	1352.4	10500.0
GR	1352.2	10519.2	1352.2	10553.1	1353.9	10586.1	1354.4	10599.7	1354.5	10605.0
GR	1355.1	10643.5	1354.5	10670.7	1354.3	10686.6	1353.7	10706.3	1353.0	10733.6
GR	1353.0	10740.4	1352.0	10748.8	1351.8	10751.3	1352.4	10767.1	1353.1	10779.8
GR	1354.2	10860.8	1354.3	10877.7	1354.4	10886.8	1354.9	10943.7		

NH	5	.055	9941.9	.09	9957.8	.028	10005.6	.09	10022.2	.055
NH	10581									
ET		7.1	7.1				9717.3	10316.2		
X1	2.919	48	9941.9	10022.2	400	430	490			
GR	1359.5	9717.3	1358.9	9724.5	1358.6	9738.2	1358.0	9774.6	1358.3	9801.3
GR	1357.9	9809.4	1357.2	9831.5	1355.9	9859.1	1355.6	9883.8	1355.6	9927.4
GR	1355.8	9941.9	1353.1	9957.8	1352.8	9958.7	1352.8	9958.7	1352.8	9985.6
GR	1352.8	9985.6	1352.8	10000.0	1353.8	10005.6	1353.6	10008.5	1356.2	10022.2
GR	1356.6	10027.4	1357.2	10029.7	1356.4	10074.3	1355.9	10156.3	1355.6	10181.5
GR	1355.6	10191.8	1355.1	10193.8	1352.8	10210.9	1353.0	10212.5	1355.2	10229.0
GR	1355.0	10240.3	1355.0	10261.1	1355.3	10281.0	1356.3	10302.6	1356.6	10309.9
GR	1356.9	10316.3	1356.4	10335.1	1356.1	10359.4	1356.4	10375.2	1355.2	10395.2
GR	1355.3	10396.7	1356.7	10426.8	1356.7	10429.4	1356.0	10509.2	1355.9	10527.8
GR	1356.2	10543.8	1357.9	10564.0	1359.0	10581				
NH	3	.055	9807.8	.032	10002.8	.055	10279.5			
X1	3.014	55	9800.5	10027.4	470	450	500			
GR	1366.1	9480.0	1364.7	9524.0	1364.2	9554.8	1363.9	9566.0	1363.4	9580.3
GR	1362.1	9621.4	1361.7	9637.1	1360.8	9678.4	1360.4	9694.7	1360.4	9697.5
GR	1359.9	9713.0	1358.8	9751.2	1358.9	9774.0	1358.9	9782.3	1358.9	9786.1
GR	1358.9	9800.5	1356.8	9807.8	1356.1	9810.8	1356.1	9811.0	1356.1	9812.4
GR	1356.1	9812.5	1356.1	9813.4	1355.8	9901.5	1357.1	9909.7	1357.3	9911.5
GR	1357.0	9918.4	1356.1	9963.4	1356.3	9970.9	1356.2	10000.0	1356.3	10000.7
GR	1356.3	10002.8	1356.1	10008.0	1358.3	10027.4	1358.3	10027.5	1358.3	10027.5
GR	1358.0	10056.4	1358.3	10060.3	1358.3	10062.6	1358.3	10064.8	1358.5	10069.0
GR	1358.9	10079.4	1359.8	10084.8	1359.8	10095.1	1359.9	10119.0	1360.3	10139.3
GR	1360.3	10155.3	1360.5	10159.8	1361.7	10188.5	1362.2	10198.2	1363.5	10226.3
GR	1363.2	10228.6	1363.4	10229.8	1363.8	10237.8	1365.7	10256.0	1368.2	10279.5
NH	3	.055	9854.1	.032	9964.2	.055	10399.8			
ET		7.1	7.1				9743.6	10139.8		
X1	3.109	57	9851.5	9977.3	550	470	500			
GR	1366.1	9743.6	1365.7	9779.1	1365.5	9785.2	1365.4	9786.7	1364.6	9794.0
GR	1363.6	9807.6	1363.3	9820.2	1362.1	9826.5	1360.1	9832.4	1359.8	9832.8
GR	1360.0	9837.5	1360.3	9851.5	1359.5	9854.1	1358.5	9858.7	1358.0	9858.9
GR	1357.8	9860.2	1359.2	9881.1	1360.0	9909.4	1357.6	9939.2	1356.8	9956.7
GR	1356.9	9958.1	1356.9	9960.5	1357.2	9964.2	1360.9	9977.3	1361.7	9979.7
GR	1361.6	9982.9	1361.3	9992.4	1361.3	10000.0	1361.1	10066.0	1362.2	10139.8
GR	1362.2	10169.8	1360.0	10182.5	1360.0	10182.6	1360.0	10182.8	1360.1	10196.1
GR	1360.8	10201.5	1360.8	10202.9	1361.1	10216.3	1358.8	10218.7	1358.3	10220.8
GR	1358.6	10224.3	1359.4	10234.5	1360.2	10239.7	1361.5	10249.7	1361.9	10258.2
GR	1362.4	10266.5	1361.8	10274.8	1361.1	10287.1	1362.6	10295.4	1362.8	10297.2
GR	1363.2	10318.1	1363.3	10324.9	1363.2	10327.0	1362.4	10358.9	1363.3	10386.9
GR	1363.9	10396.5	1363.9	10399.8						
NH	3	.055	9951.3	.032	10055.8	.055	10690.5			
ET		7.1	7.1				9839.6	10308.5		
X1	3.190	58	9933.1	10006.6	440	390	430			
GR	1370.3	9839.6	1368.7	9850.4	1366.2	9861.7	1366.2	9865.3	1366.3	9876.8
GR	1365.7	9900.1	1365.5	9905.4	1365.3	9913.7	1364.8	9933.1	1359.2	9951.3
GR	1355.9	9961.1	1358.3	9973.8	1359.4	9980.2	1359.4	9985.8	1359.4	9997.8
GR	1359.8	10000.0	1361.0	10006.6	1361.1	10006.9	1362.8	10044.1	1362.9	10055.8
GR	1362.8	10076.6	1364.2	10084.3	1364.6	10089.7	1365.1	10308.5	1365.1	10308.6

```
GR  1365.1   10308.6   1365.1   10308.6   1365.1   10308.7   1365.1   10308.7   1365.1   10308.7
GR  1365.1   10308.8   1365.1   10309.2   1363.3   10444.0   1362.9   10446.6   1361.7   10453.8
GR  1361.3   10468.5   1361.1   10479.0   1361.1   10481.5   1361.1   10482.4   1361.2   10483.0
GR  1362.8   10490.6   1362.8   10495.8   1362.9   10502.6   1362.5   10503.7   1361.7   10506.1
GR  1361.7   10509.5   1362.1   10523.9   1362.8   10525.3   1364.3   10533.2   1364.2   10547.2
GR  1364.3   10556.7   1364.1   10561.8   1363.3   10581.7   1363.5   10586.0   1364.2   10602.0
GR  1364.5   10638.1   1365.0   10666.2   1365.6   10690.5

NC    .032      .032      .032
ET              7.1       7.1                                 9971.3   10028.7
      THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
      EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
      FLOW  TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.
X1  3.247        33    9979.0   10023.2       315       280       315
GR  1370.9    9807.4   1370.6    9816.7   1370.7    9829.3   1369.6    9853.3   1369.1    9866.4
GR  1367.9    9892.5   1367.4    9904.5   1365.2    9930.7   1362.8    9959.2   1360.9    9973.8
GR  1360.9    9979.0   1360.6    9984.4   1360.0    9999.8   1360.0   10000.0   1360.0   10000.0
GR  1360.0   10000.0   1360.5   10023.2   1360.6   10030.3   1361.1   10031.8   1361.3   10033.9
GR  1364.1   10050.4   1364.7   10054.9   1364.7   10060.6   1365.6   10074.3   1365.6   10081.8
GR  1367.1   10115.4   1367.2   10116.6   1369.2   10149.3   1369.2   10149.6   1369.3   10152.8
GR  1369.4   10156.9   1371.9   10194.8   1371.6   10206.2

NC     .03       .03       .03        .3        .5
      BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR
      THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.
X1  3.251         4    9976.3   10023.7        20        20        20
GR   1367    9976.3      1361    9976.3      1361   10023.7      1367   10023.7

      THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
      WITHIN 47.33 FOOT WIDE SPILLWAY.
      BAFFLE BLOCKS ARE 5.67 FOOT WIDE  X 3.8 FOOT HIGH (NORMAL TO FLOOR)
      BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
      ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
      EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
      SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.
X1  3.253        20    9976.3   10023.7      13.5      13.5      13.5
GR  1369.4    9976.3   1358.4    9976.4   1358.4    9980.1   1362.1    9980.1   1362.1    9985.8
GR  1358.4    9985.8   1358.4    9991.4   1362.1    9991.4   1362.4    9997.1   1358.4    9997.1
GR  1358.4   10002.8   1362.1   10002.8   1362.1   10008.5   1358.4   10008.5   1358.4   10014.1
GR  1362.1   10014.1   1362.1   10019.8   1358.4   10019.8   1358.4   10023.7   1369.4   10023.7

X1  3.254         0         0         0       7.3       7.3       7.3                 3.0

X1  3.256         0         0         0       7.3       7.3       7.3                 3.0

X1  3.257         0         0         0       7.3       7.3       7.3                 3.1

      THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.
X1  3.259         0         0         0       7.3       7.3       7.3                 3.0
```

```
        THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.
X1   3.2591         4     9976.3    10023.7         2         2         2
GR   1380.3     9976.3     1371.0     9976.3     1371.0    10023.7    1380.3    10023.7

NC     .013      .013      .013
        THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
        DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).
X1   3.2593         4     9976.3    10023.7        .1        .1        .1
GR   1380.3     9976.3    1369.37     9976.3    1369.37    10023.7    1380.3    10023.7

        THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.
X1    3.262         0         0         0        14.7        14.7      14.7

        END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
        WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.
X1    3.264         4     9976.3    10023.7        12.5        12.5      12.5
GR   1380.3     9976.3     1373.3     9976.3     1373.3    10023.7    1380.3    10023.7

X1    3.267         0         0         0        11.9        11.9      11.9

X1    3.269         0         0         0        11.9        11.9      11.9

X1    3.273         0         0         0        23.8        23.8      23.8

        END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.
X1    3.282         0         0         0        47.7        47.7      47.7

X1    3.284         4     9973.2    10026.9         6.3         6.3       6.3
GR   1380.7     9973.2     1373.3     9973.2     1373.3    10026.9    1380.7    10026.9

X1    3.285         4     9970.1    10030.0         6.2         6.2       6.2
GR   1381.1     9970.1     1373.3     9970.1     1373.3    10030.0    1381.1    10030.0

        END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
        INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
        END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
        HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).
X1    3.287         4     9963.8    10036.2        12.5        12.5      12.5
GR   1381.8     9963.8     1373.3     9963.8     1373.3    10036.2    1381.8    10036.2

NC     .035      .035       .03
X1    3.291         4     9953.8    10046.2        22.1        22.1      22.1
GR    1383     9934.4     1373.3     9953.8     1373.3    10046.2      1383    10065.6

X1    3.299         4     9955.3    10046.7        38.4        38.4      38.4
GR    1383     9925.9     1373.3     9955.3     1373.3    10046.7      1383    10074.1

X1    3.302         4     9933.4    10067.7          20          20        20
GR    1383     9896.7     1373.3     9933.4     1373.3    10067.7      1383    10103.4
```

```
        END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.
X1    3.306        4    9901.5   10098.6      19.5      19.5      19.5
GR     1383     9830.5    1373.3    9901.5    1373.3   10098.6      1383   10169.6

NC     .055      .055      .032        .1        .3
QT        2      4957      4957
        100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
        HEC-1 CONC. PT. I.D.=C90I.  (D.A.=26.14 SQ. MI.)
X1    3.328       69    9975.0   10374.7        90        90        90
GR   1386.5   9047.5    1383.8    9064.5    1383.7    9067.2    1383.5    9116.0    1383.6    9149.1
GR   1383.9   9178.3    1384.3    9227.9    1384.2    9236.2    1384.4    9246.6    1383.5    9319.2
GR   1383.5   9332.8    1382.9    9367.5    1382.8    9376.5    1382.7    9383.3    1382.2    9394.9
GR   1381.1   9432.9    1381.1    9483.4    1381.1    9495.1    1381.6    9517.8    1381.7    9531.6
GR   1381.5   9553.3    1381.1    9586.3    1381.1    9626.0    1379.4    9679.0    1378.5    9717.4
GR   1377.9   9742.2    1377.7    9767.3    1376.6    9794.1    1375.9    9837.5    1375.9    9858.0
GR   1375.4   9870.2    1375.1    9887.6    1374.9    9897.7    1374.0    9923.4    1373.8    9942.1
GR   1373.3   9961.7    1373.8    9975.0    1372.8    9997.2    1372.8   10000.0    1372.8   10037.2
GR   1372.8  10040.7    1372.8   10049.7    1373.3   10103.2    1373.7   10139.1    1373.7   10159.9
GR   1373.7  10210.2    1373.6   10216.9    1372.8   10256.1    1372.8   10271.2    1372.5   10274.9
GR   1371.2  10294.2    1371.1   10295.1    1371.1   10295.4    1371.7   10324.9    1371.7   10329.4
GR   1371.9  10351.6    1372.6   10374.7    1372.6   10381.1    1373.1   10389.7    1373.2   10396.1
GR   1373.1  10401.1    1376.3   10425.2    1381.4   10480.0    1381.4   10484.8    1384.2   10529.9
GR   1384.6  10540.8    1384.9   10546.2    1388.7   10592.0    1389.9   10614.8

NH        5     0.055    9598.7      .065    9990.6       .04   10007.3      .065   10261.4      .055
NH    10720
        SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
        MINIMAL GRADING;
X1    3.418       57    9729.0   10007.3       460       465       475
GR   1384.0     9285    1378.6    9352.8    1377.8    9360.0    1377.4    9366.5    1375.9    9432.9
GR   1375.6   9459.3    1374.9    9489.5    1373.9    9576.9    1373.9    9597.3    1374.8    9598.7
GR   1374.2   9626.5    1373.4    9723.2    1373.3    9729.0    1373.3    9735.1    1373.8    9866.0
GR   1374.0   9883.1    1374.1    9884.5    1375.4    9973.2    1375.5    9985.5    1375.6    9990.6
GR   1375.3  10000.0    1375.0   10007.3    1375.0   10086.6    1374.9   10138.8    1375.0   10147.9
GR   1375.0  10211.4    1374.9   10214.8    1373.9   10241.4    1373.9   10241.4    1373.9   10241.6
GR   1374.3  10251.8    1374.2   10258.6    1373.8   10260.9    1374.0   10261.4    1374.1   10265.7
GR   1375.6  10299.9    1375.7   10302.5    1376.0   10306.3    1377.9   10348.8    1378.0   10353.9
GR   1378.0  10358.4    1378.9   10403.7    1378.9   10409.9    1378.9   10454.2    1379.0   10459.8
GR   1379.0  10465.3    1378.0   10533.3    1378.0   10539.5    1377.9   10545.0    1377.4   10592.6
GR   1377.2  10596.8    1377.3   10601.5    1377.8   10640.5    1378.0   10649.4    1380.1     10678
GR     1382    10702      1384     10720

NH        5      .055    9582.9      .065    9987.0       .040  10000.0      .065   10238.0      .055
NH    10295
X1    3.507       33    9582.9   10055.4       550       470       470
GR   1390.8   9199.9    1388.8    9209.9    1383.9    9246.1    1382.4    9254.7    1382.2    9257.0
GR   1381.9   9265.2    1379.3    9406.7    1379.1    9426.1    1378.9    9453.8    1377.6    9582.9
GR   1376.4   9628.0    1376.6    9677.2    1376.7    9683.6    1376.7    9686.2    1376.8    9687.2
GR   1376.7   9706.5    1376.8    9756.3    1377.8    9851.0    1378.3    9903.0    1377.8    9939.1
GR   1377.8   9970.3    1377.9    9987.0    1377.9   10000.0    1378.5   10055.4    1377.8   10120.7
GR   1377.8  10126.5    1377.2   10201.6    1377.5   10238.0    1377.3   10242.8    1377.1   10253.0
GR   1377.2  10265.0    1377.3   10265.3    1384.2     10295
```

NH	5	.055	9641.5	.065	9965.8	.04	10000.0	.065	10033.8	.055
NH	10082									
X1	3.601	33	9641.5	10023.3	430	460	495			
GR	1390.2	9194.9	1386.3	9240.6	1382.8	9289.2	1381.5	9338.5	1379.9	9406.8
GR	1381.6	9519.8	1381.7	9522.7	1380.6	9581.4	1380.6	9585.7	1380.6	9587.5
GR	1380.6	9604.9	1380.6	9641.5	1380.3	9685.2	1380.7	9742.5	1380.5	9833.4
GR	1380.4	9871.3	1380.9	9879.1	1381.2	9900.9	1381.1	9911.1	1381.5	9965.8
GR	1380.4	9988.7	1379.8	10000.0	1379.8	10017.6	1380.0	10020.5	1380.5	10023.3
GR	1381.1	10033.8	1384.7	10048.5	1384.6	10051.8	1385.9	10060.8	1386.4	10066.0
GR	1388.5	10075.1	1388.7	10079.7	1388.9	10082				

NH	5	.055	9807.7	.09	9850.8	.028	10000.0	.09	10010.3	.055
NH	10266									
X1	3.696	45	9850.8	10218.4	465	480	500			
GR	1393.9	9286.6	1393.5	9294.9	1392.0	9318.9	1390.6	9341.9	1390.5	9342.5
GR	1390.5	9342.5	1390.5	9342.7	1387.5	9358.3	1386.7	9361.6	1386.1	9375.9
GR	1386.3	9377.9	1385.6	9395.6	1385.6	9403.0	1385.6	9472.8	1385.6	9493.5
GR	1384.8	9533.7	1384.2	9595.3	1384.0	9608.6	1383.9	9613.7	1383.7	9626.2
GR	1383.1	9646.0	1384.0	9700.2	1384.6	9807.7	1384.6	9845.3	1383.6	9850.8
GR	1382.9	9856.1	1383.2	9869.1	1382.8	9952.6	1382.9	9985.2	1382.8	10000.0
GR	1384.0	10008.3	1384.3	10010.3	1383.6	10105.4	1383.3	10144.7	1382.7	10182.5
GR	1382.8	10204.2	1382.4	10213.6	1382.6	10214.0	1382.8	10218.4	1383.9	10222.1
GR	1390.6	10244.7	1391.9	10248.3	1391.9	10249.0	1392.3	10253.2	1391.8	10266

NH	9	.055	9848.2	.09	9879.5	.028	9896.9	.09	9923.3	.055
NH	9984.3	.09	10000.0	.028	10034.5	.09	10089.8	.055	10393.6	
X1	3.791	65	9858.2	10320.3	440	410	500			
GR	1395.9	9204.4	1395.7	9205.9	1395.3	9208.4	1393.6	9229.8	1392.4	9235.7
GR	1391.7	9242.3	1390.6	9254.7	1389.9	9256.8	1389.3	9286.9	1389.1	9294.8
GR	1389.0	9301.5	1387.9	9391.5	1387.2	9486.9	1387.2	9488.2	1387.3	9492.4
GR	1388.1	9527.3	1388.4	9530.8	1388.0	9564.1	1387.8	9568.2	1387.9	9572.5
GR	1388.1	9594.3	1388.7	9603.7	1389.0	9608.3	1388.9	9646.8	1388.7	9704.0
GR	1388.6	9721.0	1388.5	9775.4	1388.4	9848.2	1388.4	9858.2	1388.1	9861.7
GR	1386.6	9879.5	1386.7	9896.7	1386.7	9896.8	1386.7	9896.9	1386.9	9916.3
GR	1387.8	9923.3	1388.9	9937.8	1388.9	9949.0	1388.2	9973.5	1387.8	9984.3
GR	1387.5	9991.8	1387.2	10000.0	1386.3	10025.2	1386.1	10034.5	1386.1	10068.2
GR	1387.1	10089.8	1387.6	10099.3	1387.8	10104.8	1387.6	10142.1	1387.9	10159.1
GR	1387.6	10186.2	1386.7	10198.3	1386.1	10206.0	1387.2	10226.9	1387.2	10227.5
GR	1387.2	10229.9	1386.7	10259.0	1386.6	10271.7	1387.2	10320.3	1387.3	10320.7
GR	1394.4	10355.4	1398.0	10376.9	1400.2	10390.9	1400.3	10392.7	1400.4	10393.6

NH	7	.055	9670.5	.028	9708.4	.055	9965.1	.09	9990.0	.028
NH	10005	.09	10014.8	.05	10122.7					
X1	3.888	64	9639.3	10014.8	430	570	510			
GR	1399.2	8811.4	1397.2	8818.9	1396.2	8830.3	1396.3	8837.0	1396.0	8841.1
GR	1395.4	8857.7	1394.6	8889.0	1392.9	8968.8	1392.7	8995.2	1392.7	9015.3
GR	1392.7	9018.6	1392.7	9023.9	1392.4	9055.0	1392.5	9079.5	1392.5	9122.7
GR	1392.8	9175.6	1392.9	9189.6	1392.7	9198.0	1391.9	9223.7	1392.1	9239.7
GR	1392.3	9265.5	1392.3	9309.2	1392.4	9337.2	1392.5	9410.4	1392.4	9433.8
GR	1391.7	9515.3	1391.6	9523.1	1391.7	9532.8	1392.0	9608.8	1392.1	9618.9
GR	1391.0	9639.3	1390.2	9654.8	1390.9	9668.0	1391.0	9670.5	1391.0	9673.2
GR	1390.6	9691.1	1390.2	9708.4	1390.2	9718.3	1391.3	9734.4	1391.8	9738.9
GR	1391.7	9761.1	1391.6	9786.2	1390.9	9825.6	1390.7	9844.3	1390.8	9850.5

GR	1391.7	9892.1	1390.7	9909.5	1391.3	9965.1	1391.7	9976.3	1390.7	9981.5
GR	1389.1	9990.0	1389.4	10000.0	1389.4	10005.0	1391.3	10010.9	1392.0	10014.8
GR	1391.2	10044.9	1391.4	10051.5	1390.9	10057.9	1390.4	10068.3	1390.0	10090.8
GR	1390.0	10091.5	1390.9	10094.1	1398.3	10114.7	1398.9	10122.7		
NH	7	.055	9823.3	.028	9856.1	.055	9974.9	.09	9984.4	.028
NH	10000	.09	10022.7	.055	10072.2					
X1	3.984	57	9674.4	10041.8	380	520	505			
GR	1402	8955	1400	8965	1398	8975	1396.1	9010	1396	9043
GR	1396	9046.0	1395.8	9090.6	1395.8	9102.7	1395.2	9165.9	1395.2	9214.2
GR	1395.0	9259.9	1395.0	9263.3	1394.8	9265.4	1395.7	9291.5	1395.2	9328.3
GR	1395.2	9383.4	1395.9	9450.4	1395.3	9472.1	1395.6	9530.2	1395.8	9559.5
GR	1395.9	9595.6	1395.2	9634.1	1394.4	9674.4	1393.7	9679.8	1392.8	9687.2
GR	1393.8	9699.0	1394.6	9705.7	1394.7	9720.5	1394.8	9729.5	1395.1	9750.2
GR	1395.2	9756.2	1395.0	9762.5	1394.7	9766.5	1393.7	9774.1	1394.0	9788.1
GR	1393.9	9803.6	1393.5	9814.5	1393.3	9823.3	1393.1	9846.2	1392.9	9856.1
GR	1395.2	9875.8	1396.1	9881.5	1396.1	9886.4	1395.6	9898.0	1395.1	9913.3
GR	1394.9	9916.6	1394.4	9934.3	1394.9	9952.2	1395.2	9974.9	1394.3	9984.4
GR	1393.1	10000	1392.3	10022.7	1392.3	10026.3	1392.5	10028.3	1394.2	10041.8
GR	1405.1	10063.7	1409.1	10072.2						
NH	5	.055	9923.9	.09	9963.4	.028	10003.3	.09	10038.3	.055
NH	10325									
X1	4.080	62	9822.5	10038.3	350	505	505			
GR	1402	9233	1400	9258	1398	9280	1397.8	9292.7	1397.6	9369.8
GR	1397.7	9397.9	1397.9	9420.2	1397.4	9444.6	1397.0	9453.4	1397.0	9463.4
GR	1397.2	9474.6	1397.9	9580.1	1397.9	9600.3	1397.9	9615.3	1397.9	9694.6
GR	1397.2	9757.3	1397.2	9761.1	1397.2	9763.8	1397.1	9766.3	1396.7	9822.5
GR	1395.6	9830.6	1394.7	9838.6	1395.9	9849.7	1396.8	9860.9	1397.6	9891.6
GR	1397.8	9910.5	1397.3	9923.9	1396.5	9952.5	1395.4	9963.4	1394.1	9978.5
GR	1393.9	10000.0	1393.9	10003.3	1394.3	10005.3	1397.2	10021.5	1397.2	10038.3
GR	1397.1	10042.2	1397.3	10045.7	1397.8	10056.8	1397.5	10077.1	1397.2	10102.4
GR	1397.0	10107.3	1396.6	10118.8	1396.3	10129.6	1396.3	10131.5	1396.1	10134.6
GR	1396.6	10151.0	1397.1	10158.3	1397.2	10161.3	1397.2	10201.3	1396.1	10209.9
GR	1395.6	10213.3	1396.6	10231.1	1396.7	10233.6	1396.7	10234.0	1396.8	10236.4
GR	1398.3	10264.4	1398.0	10266.7	1398.0	10274.8	1398.7	10298.9	1399.6	10303.1
GR	1400.4	10307.6	1401.1	10325						
NH	5	.055	9953.4	.09	9989.3	.028	10021.1	.09	10048.9	.055
NH	10597									
X1	4.178	70	9804.0	10048.9	375	615	515			
GR	1406	9415	1404	9440	1402	9470	1401.9	9486.3	1401.8	9496.6
GR	1400.7	9587.4	1400.5	9625.6	1400.5	9635.2	1401.5	9668.3	1400.8	9671.1
GR	1400.9	9673.2	1400.9	9677.8	1400.9	9708.5	1401.6	9715.6	1401.4	9761.2
GR	1401.3	9766.1	1401.1	9775.2	1400.6	9799.1	1400.4	9804.0	1397.8	9836.5
GR	1397.8	9836.5	1400.0	9859.6	1400.5	9864.1	1400.4	9868.4	1400.2	9898.6
GR	1400.3	9905.1	1400.2	9932.5	1399.8	9933.3	1399.1	9940.3	1399.8	9953.4
GR	1400.2	9958.5	1400.2	9961.9	1400.1	9976.1	1398.9	9989.3	1397.7	10000.0
GR	1397.1	10021.1	1396.8	10033.0	1397.1	10034.8	1400.6	10048.9	1400.6	10050.6
GR	1400.8	10078.2	1399.6	10141.4	1399.5	10151.9	1399.7	10158.8	1400.9	10196.3
GR	1401.0	10213.6	1400.9	10226.7	1400.9	10243.7	1401.0	10296.5	1401.0	10301.1
GR	1400.7	10314.0	1400.2	10337.9	1401.7	10372.9	1401.7	10374.0	1401.5	10375.5
GR	1400.2	10387.9	1399.9	10393.4	1400.0	10427.4	1400.1	10428.4	1400.2	10431.7
GR	1400.6	10438.0	1401.0	10453.9	1401.5	10488.8	1401.7	10505.9	1401.8	10514.0

```
GR   1402.7   10522.1   1403.3   10529.5   1404.3   10537.4   1408.0   10581.9   1409.9   10597

NH      5      .055    9956.7      .09   10000.0      .028   10033.2      .09   10052.1      .055
NH  10948
X1  4.273        66    9918.2   10052.1       350       600       500
GR  1411.1    9684.3   1410.8    9691.8   1409.1    9721.9   1406.8    9735.6   1406.9    9741.6
GR  1406.4    9773.1   1406.4    9774.5   1406.1    9798.3   1406.4    9806.0   1406.3    9811.6
GR  1405.6    9904.8   1405.4    9911.5   1404.5    9918.2   1402.6    9932.6   1401.8    9942.3
GR  1401.7    9943.5   1402.3    9956.7   1402.8    9971.3   1403.6    9979.9   1402.4    9987.0
GR  1400.9   10000.0   1400.1   10029.8   1400.0   10033.2   1400.5   10037.2   1402.8   10052.1
GR  1403.4   10113.7   1403.7   10168.1   1404.7   10220.4   1404.9   10231.3   1404.8   10242.6
GR  1404.5   10260.6   1404.7   10274.5   1405.2   10312.5   1405.5   10339.9   1405.6   10347.6
GR  1405.5   10349.0   1404.3   10389.8   1404.4   10407.8   1404.6   10421.8   1404.1   10442.1
GR  1403.7   10460.4   1404.5   10499.0   1404.8   10517.4   1404.8   10528.5   1405.0   10533.2
GR  1404.8   10537.0   1404.4   10555.7   1404.0   10585.4   1403.7   10589.3   1403.8   10592.8
GR  1404.4   10599.3   1403.7   10614.1   1405.8   10691.0   1406.1   10698.5   1406.3   10707.8
GR  1406.4   10720.6   1406.8   10749.3   1407.0   10774.8   1407.2   10787.8   1407.1   10789.5
GR  1407.4   10791.7   1407.5   10798.1   1409.4   10855.2   1409.7   10870.7   1409.6   10928.5
GR  1409.7     10948

NH      5      .055    9960.5      .09    9975.0      .028   10000.0      .09   10027.8      .055
NH  10890
X1  4.368        56    9960.5   10027.8       420       500       500
GR  1419.9    9698.4   1419.7    9703.2   1417.6    9725.1   1415.6    9770.8   1415.6    9774.1
GR  1413.7    9821.6   1413.2    9832.6   1413.1    9844.5   1413.4    9865.1   1413.9    9888.1
GR  1413.9    9894.9   1414.4    9907.6   1414.0    9910.0   1408.1    9940.4   1407.4    9960.5
GR  1407.2    9967.1   1404.5    9975.0   1403.8    9977.6   1403.7    9984.0   1403.3   10000.0
GR  1404.9   10014.2   1407.1   10027.8   1406.9   10057.0   1407.0   10088.3   1408.0   10131.4
GR  1408.4   10152.8   1408.5   10180.7   1408.2   10249.9   1407.4   10260.0   1407.2   10262.6
GR  1407.2   10264.8   1407.2   10277.5   1407.2   10283.9   1407.1   10286.2   1407.4   10289.3
GR  1409.2   10321.1   1409.5   10342.3   1409.5   10342.4   1409.0   10376.5   1408.9   10394.9
GR  1408.9   10415.2   1408.7   10469.5   1408.7   10482.5   1408.7   10545.5   1408.7   10567.1
GR  1408.7   10611.5   1408.7   10648.5   1408.7   10672.3   1408.1   10687.4   1408.1   10693.6
GR  1408.2   10746.7   1408.7   10776.9   1408.5   10785.8   1408.8   10805.6     1410   10840.2
GR    1412     10890

NH      5      .055    9965.2      .09    9988.3      .028   10017.4      .09   10040.2      .055
NH  10998
X1  4.464        59    9965.2   10040.2       550       365       505
GR  1417.0    9659.3   1415.8    9665.1   1415.3    9674.2   1412.8    9737.5   1412.8    9737.8
GR  1412.8    9737.8   1412.8    9737.9   1412.8    9738.2   1411.9    9807.3   1411.4    9817.1
GR  1410.6    9833.9   1411.2    9846.8   1412.1    9862.9   1411.7    9879.2   1411.1    9896.3
GR  1410.5    9906.8   1409.4    9925.0   1409.4    9951.0   1409.4    9965.2   1408.1    9974.0
GR  1406.1    9988.3   1406.1   10000.0   1406.1   10017.4   1407.7   10027.0   1410.3   10040.2
GR  1410.9   10052.0   1410.0   10098.0   1410.0   10098.8   1410.5   10128.1   1410.6   10131.3
GR  1410.6   10136.8   1410.7   10179.3   1409.7   10197.7   1409.0   10221.0   1409.3   10225.4
GR  1409.1   10232.3   1409.5   10245.3   1411.1   10293.7   1411.7   10310.8   1411.7   10366.8
GR  1411.6   10409.1   1411.5   10468.7   1411.2   10510.8   1411.0   10572.7   1410.6   10636.8
GR  1410.7   10639.4   1410.6   10674.6   1410.8   10713.5   1410.6   10733.7   1410.5   10747.3
GR  1410.9   10772.6   1412.0   10846.6   1412.1   10880.3   1412.1   10913.7   1412.4   10951.3
GR  1412.8   10964.5   1415.1   10989.1   1415.5   10994.5   1415.7     10998
```

```
NH      5      .055     9973.1      .09     10000.0      .028     10028.2      .09     10051.5      .055
NH   10430
QT      2      4555      4555
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   4.541        46     9973.1   10051.5       390       300       406
GR   1418.4   9476.0    1417.8    9488.0    1417.0    9506.2    1415.3    9559.1    1414.5    9603.3
GR   1414.4   9609.1    1414.3    9613.8    1414.1    9626.5    1413.3    9670.8    1413.0    9683.2
GR   1412.5   9704.9    1411.9    9721.9    1412.9    9745.9    1413.0    9758.7    1412.8    9775.1
GR   1412.3   9784.2    1413.1    9807.5    1413.3    9813.5    1413.2    9814.0    1412.0    9835.9
GR   1411.7   9854.5    1411.4    9882.6    1411.2    9889.3    1411.1    9894.6    1411.4    9903.4
GR   1411.8   9909.6    1412.2    9954.9    1412.2    9973.1    1410.1    9988.5    1408.9   10000.0
GR   1408.6  10015.0    1408.3   10028.2    1410.9   10049.7    1411.1   10051.5    1411.8   10074.0
GR   1411.9  10078.6    1412.0   10087.8    1412.8   10121.6    1412.7   10176.8    1412.7   10178.6
GR   1412.7  10181.5    1413.0   10242.5    1412.6   10270      1412.7   10300      1414     10360
GR     1416  10430

NH      7      .055     9972.9      .09     9995.3      .028     10020.8      .09     10040.1      .028
NH   10065       .09    10083.8      .055   10202.4
X1   4.635        42     9972.9    10065       450       515       495
GR   1421.6   9485.1    1418.1    9515.8    1416.7    9527.5    1416.7    9530.3    1417.6    9596.6
GR   1417.9   9617.7    1416.7    9651.0    1416.1    9669.5    1416.3    9685.3    1416.7    9710.8
GR   1416.3   9728.8    1416.0    9734.3    1415.6    9743.6    1415.1    9753.7    1415.1    9757.6
GR   1415.6   9772.7    1415.6    9793.3    1416.1    9869.3    1416.1    9872.9    1415.5    9903.0
GR   1415.1   9911.5    1415.1    9919.5    1415.6    9972.6    1415.6    9972.7    1415.6    9972.9
GR   1411.2   9995.3    1411.6    9999.6    1414.1   10020.8    1413.7   10024.7    1412.5   10040.1
GR   1412.4  10042.7    1412.2   10045.3    1412.3   10046.3    1414.4   10065      1414.1   10083.8
GR   1413.9  10087.5    1413.9   10094.1    1414.3   10132.4    1416.2   10141.6    1417.3   10149.2
GR   1418.4  10160.8    1422.6   10202.4

NH      5      .055     9943.6      .09     9965.4      .028     10010.4      .09     10025.3      .055
NH   10396
X1   4.731        52     9943.6   10025.3       400       550       505
GR   1424.3   9586.0    1424.4    9588.3    1424.4    9591.2    1423.9    9593.0    1421.7    9614.1
GR   1421.2   9624.2    1421.5    9640.4    1421.5    9653.5    1422.7    9677.0    1422.7    9678.1
GR   1422.7   9678.9    1419.7    9705.3    1419.8    9711.4    1419.9    9714.2    1419.9    9717.2
GR   1419.8   9739.0    1419.4    9753.6    1418.9    9774.1    1418.9    9774.6    1418.9    9774.8
GR   1419.4   9788.1    1419.1    9809.5    1419.2    9859.0    1419.2    9901.3    1419.4    9924.8
GR   1419.4   9943.6    1417.7    9952.3    1414.6    9965.4    1414.4   10000.0    1414.4   10010.4
GR   1414.9  10012.8    1417.8   10025.3    1417.6   10038.4    1417.5   10076.9    1417.7   10082.1
GR   1416.9  10095.6    1416.7   10113.0    1418.4   10148.8    1418.8   10157.9    1418.9   10161.5
GR   1418.6  10169.7    1418.5   10178.4    1418.3   10181.9    1421.2   10228.8    1421.7   10237.0
GR   1421.6  10239.3    1420.6   10296.8    1420.8   10338.7    1422.6   10373.8    1422.7   10374.6
GR   1423.3  10380.7    1425.0   10396

NH      5      .055     9959.3      .09     9974.2      .028     10012.1      .09     10067.7      .055
NH   10582
ET          7.1       7.1                                     9956.0   10368.7
X1   4.827        54     9959.3   10067.7       450       560       505
GR   1426.0   9725.7    1426.6    9736.0    1426.6    9741.8    1426.7    9749.2    1426.0    9766.1
GR   1425.8   9767.8    1425.6    9780.4    1425.3    9787.5    1424.6    9795.3    1424.3    9799.1
GR   1423.8   9805.3    1423.3    9813.2    1423.8    9828.7    1423.9    9832.2    1423.4    9837.0
GR   1423.3   9837.6    1423.7    9840.3    1425.2    9860.7    1427.4    9888.8    1428.2    9898.8
GR   1428.3   9902.1    1429.3    9926.3    1429.4    9929.3    1429.8    9956.0    1428.1    9959.3
```

```
GR  1418.5   9974.2  1418.5  10000.0  1418.6  10012.1  1420.5  10027.9  1421.3  10035.8
GR  1420.3  10067.7  1419.9  10081.8  1419.9  10097.4  1421.0  10163.1  1421.6  10175.1
GR  1424.3  10246.2  1424.2  10255.5  1424.4  10263.9  1424.2  10323.2  1424.3  10342.1
GR  1424.4  10368.7  1424.3  10371.2  1424.0  10390.2  1424.1  10392.7  1423.9  10396.2
GR  1423.1  10418.6  1422.4  10443.8  1422.4  10455.8  1422.8  10466.3  1424.4  10484.0
GR  1424.9  10526.4  1424.8  10533.3  1425.2  10539.3  1426.7    10582

NH        5    .055  9993.2     .09  10000.0    .028  10024.3     .09  10037.8    .055
NH    10742
ET             7.1     7.1                           9875.6  10462.6
X1    4.918      44  9993.2  10075.8      500      370      480
GR  1431.7   9875.6  1431.5   9876.8  1430.4   9881.5  1425.5   9899.7  1424.9   9902.4
GR  1424.5   9905.3  1424.3   9914.5  1424.1   9951.9  1424.9   9981.5  1424.9   9990.4
GR  1424.0   9993.2  1421.1  10000.0  1420.9  10009.3  1420.6  10024.3  1422.0  10036.0
GR  1422.3  10037.8  1422.8  10058.4  1422.8  10059.2  1422.9  10060.3  1424.4  10075.8
GR  1423.7  10117.5  1423.5  10124.0  1423.5  10139.3  1423.3  10198.8  1425.4  10231.3
GR  1427.3  10264.8  1427.0  10307.8  1426.8  10324.3  1426.9  10372.0  1426.7  10442.3
GR  1427.2  10462.6  1426.6  10471.4  1426.2  10492.7  1426.1  10496.8  1426.2  10499.3
GR  1427.6  10541.1  1426.9  10566.3  1426.5  10604.0  1427.0  10623.1  1427.3  10635.6
GR  1426.8  10670.4  1427.4  10683.0  1430.3  10729.1  1432.1    10742

NH        5    .055  9983.6     .09  9999.5     .028  10024.8     .09  10043.2    .055
NH    10567
X1    5.011      39  9983.6  10043.2      525      390      490
GR  1434.2   9692.0  1430.2   9722.8  1428.7   9752.4  1428.3   9760.2  1428.2   9768.2
GR  1427.5   9808.1  1427.6   9824.4  1428.0   9839.9  1427.2   9870.8  1426.4   9884.7
GR  1426.7   9890.9  1427.0   9924.0  1426.9   9951.1  1426.7   9968.7  1427.1   9983.6
GR  1423.3   9999.5  1423.3   9999.6  1423.3  10000.0  1423.9  10024.8  1425.2  10031.5
GR  1427.0  10043.2  1426.8  10126.7  1426.7  10134.2  1426.7  10136.6  1426.9  10139.3
GR  1428.3  10161.2  1428.9  10258.0  1428.9  10259.0  1428.9  10259.4  1428.9  10260.6
GR  1428.9  10263.6  1430.5  10375.2  1430.4  10401.8  1430.0  10450.3  1430.0  10451.7
GR  1430.4  10482.3  1430.5  10504.5  1431.2  10537.3  1431.9    10567

NH        5    .055  9963.7     .09  9987.8     .028  10009.3     .09  10031.1    .055
NH    10153
X1    5.106      33  9963.7  10031.1      510      460      500
GR  1436.7   9554.0  1433.4   9592.7  1433.3   9593.2  1433.3   9595.5  1431.2   9677.7
GR  1430.5   9706.0  1430.1   9743.7  1429.8   9788.0  1430.2   9845.0  1430.1   9885.5
GR  1427.7   9908.6  1426.4   9916.0  1426.2   9927.3  1426.5   9930.3  1429.0   9939.6
GR  1428.9   9952.7  1428.8   9963.7  1427.9   9970.7  1425.8   9987.8  1425.8  10000.0
GR  1425.8  10009.3  1428.8  10027.1  1429.6  10031.1  1429.6  10047.4  1429.8  10058.6
GR  1430.0  10075.1  1429.7  10080.0  1430.5  10084.3  1430.4  10102.1  1430.6  10106.3
GR  1435.8  10148.9  1436.1  10151.9  1436.0    10153

NH        5    .055  9977.1     .09  9991.1     .028  10017.4     .09  10037.3    .055
NH    10186
ET             7.1     7.1                           9783.7    10186
X1    5.201      39  9977.1  10037.3      510      490      500
GR  1441.8   9485.8  1441.6   9488.8  1440.0   9560.6  1440.0   9564.2  1439.7   9570.2
GR  1438.5   9580.1  1434.7   9616.1  1433.8   9635.6  1433.5   9667.5  1433.1   9692.7
GR  1433.0   9704.4  1432.2   9721.5  1431.1   9741.5  1431.2   9748.6  1435.0   9760.7
GR  1434.9   9782.8  1435.0   9783.7  1434.5   9787.3  1430.9   9818.5  1432.0   9837.4
GR  1433.2   9853.2  1433.3   9866.0  1433.0   9889.6  1432.5   9977.1  1429.8   9991.1
GR  1428.9   9995.1  1428.9  10000.0  1428.4  10017.4  1429.7  10022.7  1431.3  10037.3
```

```
GR   1431.5   10042.5   1432.2   10052.2   1432.4   10057.4   1433.0   10076.6   1433.3   10080.4
GR   1437.7   10127.2   1438.6   10138.2   1439.7   10148.3   1443.1   10186

NH        5      .055   9976.8       .09   9996.5      .028  10024.0       .09  10042.3      .055
NH    10214
ET                7.1      7.1                                9745.9     10214
X1    5.307        53   9976.8   10042.3      520       580       560
GR   1441.2   9383.5   1440.6   9387.3   1440.5   9390.8   1439.4   9407.1   1438.4   9421.0
GR   1438.3   9424.5   1437.8   9452.7   1437.7   9461.0   1436.2   9495.5   1436.0   9497.6
GR   1436.1   9513.1   1436.2   9518.8   1436.2   9520.9   1436.2   9537.6   1436.6   9595.3
GR   1436.6   9606.1   1436.6   9609.6   1436.4   9611.8   1435.5   9631.9   1437.0   9666.0
GR   1437.1   9671.3   1436.9   9697.8   1437.9   9717.0   1438.3   9726.0   1438.4   9745.9
GR   1438.1   9807.5   1436.3   9860.0   1436.1   9866.8   1436.0   9868.6   1435.4   9876.9
GR   1435.3   9881.4   1435.3   9912.4   1435.6   9921.9   1435.5   9924.3   1435.6   9933.8
GR   1435.9   9976.8   1432.2   9996.5   1431.6  10000.0   1431.7  10006.2   1431.7  10019.4
GR   1432.9  10024.0   1436.1  10037.3   1436.1  10042.3   1436.1  10056.7   1437.2  10078.2
GR   1438.2  10098.4   1436.3  10142.0   1436.2  10147.6   1436.6  10157.5   1437.7  10163.6
GR   1440.0  10178.4   1441.6  10189.5   1444.5    10214

NH        5      .055   9956.2       .09   9976.9      .028  10017.3       .09  10040.0      .055
NH    10269
ET                7.1      7.1                                9662.0     10269
X1    5.414        57   9956.2   10040.0      525       565       565
GR   1445.9   9211.1   1445.8   9215.7   1445.0   9231.6   1443.2   9265.1   1442.6   9272.3
GR   1442.0   9280.2   1443.7   9294.1   1444.6   9304.7   1445.3   9324.1   1444.8   9362.3
GR   1444.4   9371.0   1444.4   9397.3   1444.4   9398.1   1444.4   9398.2   1443.9   9418.2
GR   1444.1   9427.4   1444.1   9457.2   1444.6   9465.9   1444.5   9473.2   1444.4   9486.5
GR   1443.2   9500.5   1440.9   9533.1   1441.6   9555.9   1442.4   9591.2   1442.7   9611.3
GR   1443.7   9662.0   1442.9   9688.3   1441.9   9739.5   1441.7   9778.4   1441.6   9812.3
GR   1441.6   9817.6   1441.3   9824.6   1439.8   9857.3   1439.0   9868.8   1439.4   9903.9
GR   1439.7   9956.2   1437.4   9965.0   1436.1   9969.7   1436.1   9976.9   1435.9   9989.9
GR   1435.9  10000.0   1435.6  10013.8   1435.6  10017.3   1436.1  10020.7   1438.9  10040.0
GR   1439.6  10046.6   1439.8  10050.7   1442.5  10089.6   1442.8  10094.3   1442.8  10095.5
GR   1442.8  10133.6   1442.8  10133.7   1442.8  10134.2   1444.3  10193.7   1444.4  10195.3
GR   1445.9  10213.6   1450.4    10269

NH        5      .055   9974.6       .09   9989.2      .028  10017.8       .09  10046.3      .055
NH    10353
X1    5.518        37   9974.6   10046.3      525       550       550
GR   1449.0   9797.1   1448.9   9811.8   1447.5   9836.7   1446.1   9858.3   1447.5   9883.3
GR   1447.7   9889.7   1447.6   9892.2   1446.2   9909.4   1446.2   9914.1   1442.2   9944.8
GR   1442.1   9946.0   1440.2   9965.9   1440.7   9974.6   1441.1   9983.8   1439.4   9989.2
GR   1439.2  10000.0   1438.6  10017.8   1440.0  10027.2   1443.9  10046.3   1443.0  10115.2
GR   1442.8  10123.8   1442.9  10125.8   1443.9  10150.7   1444.8  10179.5   1444.9  10185.0
GR   1444.9  10188.3   1443.0  10220.9   1442.6  10228.4   1443.2  10240.0   1442.2  10246.0
GR   1442.2  10248.6   1441.8  10273.6   1441.7  10276.5   1447.3  10327.1   1448.4  10337.9
GR   1450.3  10351.6   1450.4    10353

NH        5      .055   9951.2       .09   9969.8      .028  10004.4       .09  10024.9      .055
NH    10125
ET                7.1      7.1                                9755.5     10125
```

```
X1    5.626       43    9951.2   10024.9      520       565       570
GR   1453.3   9523.1   1451.9    9550.0   1451.7    9562.1    1450.7   9583.9   1450.4   9597.9
GR   1447.5   9633.0   1447.3    9635.5   1447.2    9637.0    1447.0   9638.8   1444.9   9658.8
GR   1445.9   9665.2   1447.4    9677.2   1447.4    9686.9    1446.5   9727.6   1446.2   9732.7
GR   1446.7   9739.1   1446.9    9744.4   1448.5    9752.8    1448.9   9755.5   1448.6   9774.8
GR   1447.8   9836.1   1447.4    9840.6   1446.8    9848.9    1443.6   9895.2   1443.9   9918.6
GR   1444.0   9920.1   1446.3    9935.5   1445.9    9940.2    1445.6   9947.5   1445.0   9951.2
GR   1441.9   9969.8   1441.2   10000.0   1441.1   10002.7    1441.3  10004.4   1444.8  10024.9
GR   1445.3  10032.5   1445.9   10043.7   1444.5   10048.6    1442.5  10055.4   1443.0  10056.5
GR   1452.5  10109.2   1455.6   10122.2   1455.7     10125

NH       5      .055    9954.6       .09    9966.0      .028   10008.7       .09   10029.1      .055
NH   10228
QT       2      4150      4150
         INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1    5.732       20    9954.6   10012.7      540       560       560
GR   1456.9   9882.0   1454.7    9913.5   1451.5    9942.2    1450.0   9949.9   1448.8   9954.6
GR   1445.0   9966.0   1445.0    9978.4   1444.7   10000.0    1446.7  10008.7   1447.7  10012.7
GR   1447.5  10029.1   1447.1   10067.3   1447.7   10104.9    1448.3  10148.4   1451.0  10164.5
GR   1454.9  10191.0   1456.6   10200.4   1456.7   10202.9    1456.9  10211.0   1457.2    10228

NH       5      .055    9982.2       .09    9990.9      .028   10015.0       .09   10030.1      .055
NH   10258
X1    5.824       56    9982.2   10030.1      520       440       485
GR   1461.8   9575.0   1461.7    9575.7   1454.7    9604.0    1454.3   9607.6   1456.2   9639.7
GR   1458.8   9654.3   1458.2    9667.2   1455.8    9689.3    1454.4   9701.0   1452.9   9710.8
GR   1451.2   9721.4   1451.0    9722.4   1450.3    9731.0    1450.1   9750.9   1450.1   9754.6
GR   1450.1   9755.7   1450.2    9760.1   1450.0    9771.6    1450.0   9772.6   1450.1   9774.3
GR   1450.8   9783.9   1450.7    9817.0   1450.7    9825.6    1451.3   9839.1   1452.4   9867.6
GR   1452.5   9879.7   1454.2    9936.0   1454.1    9943.1    1453.0   9961.9   1453.0   9962.6
GR   1452.6   9967.7   1449.3    9982.2   1447.2    9990.9    1447.2  10000.0   1447.3  10015.0
GR   1449.3  10022.0   1450.9   10030.1   1450.7   10037.6    1450.5  10044.1   1450.2  10069.5
GR   1451.9  10091.4   1451.8   10101.0   1451.6   10117.8    1451.6  10118.5   1451.7  10120.8
GR   1451.5  10129.2   1451.9   10135.6   1452.9   10148.7    1454.2  10164.1   1455.5  10173.2
GR   1457.7  10192.1   1458.1   10196.9   1459.0   10214.1    1460.0  10230.0   1460.6  10256.7
GR   1460.6    10258

NH       5      .055    9979.6       .09    9992.8      .028   10015.4       .09   10031.4      .055
NH   10080
X1    5.934       52    9979.6   10031.4      600       660       580
GR   1462.0   9397.7   1461.5    9401.4   1460.8    9423.2    1460.6   9428.4   1460.6   9429.1
GR   1459.2   9437.5   1457.9    9446.8   1457.3    9454.4    1455.8   9462.3   1453.9   9494.0
GR   1454.0   9495.3   1454.0    9497.0   1454.5    9519.0    1454.8   9526.5   1454.8   9532.5
GR   1454.6   9544.9   1455.3    9575.4   1456.3    9596.3    1455.7   9611.5   1454.7   9637.5
GR   1455.0   9644.0   1455.7    9671.6   1455.6    9700.5    1455.3   9750.9   1455.1   9766.5
GR   1455.4   9784.0   1455.7    9804.2   1454.2    9851.5    1454.4   9856.6   1454.4   9860.4
GR   1453.6   9875.4   1453.1    9881.2   1454.0    9893.0    1454.3   9896.3   1453.9   9910.6
GR   1453.9   9910.8   1453.9    9910.9   1453.9    9911.3    1455.0   9942.3   1454.2   9970.8
GR   1453.9   9979.6   1453.4    9981.4   1450.5    9992.8    1450.4  10000.0   1450.0  10015.4
GR   1452.3  10022.3   1453.8   10031.4   1455.0   10036.7    1458.5  10060.4   1459.6  10069.7
GR   1460.4  10075.7   1460.7     10080
```

NH	5	.055	9977.7	.09	9992.6	.028	10021.1	.09	10079.7	.055
NH	10090									
ET		7.1	7.1				9412.3	10090		
X1	6.033	56	9977.7	10079.7	450	550	525			
GR	1469.5	9055.4	1465.1	9069.9	1463.8	9076.5	1461.8	9088.6	1461.7	9090.7
GR	1458.0	9185.5	1457.8	9189.9	1457.8	9190.7	1457.8	9208.4	1457.8	9221.7
GR	1457.8	9222.9	1460.0	9276.1	1460.0	9276.8	1460.0	9278.5	1460.5	9336.2
GR	1461.3	9356.9	1461.6	9384.4	1462.5	9412.3	1460.9	9467.8	1460.7	9475.5
GR	1460.6	9480.6	1460.3	9498.6	1459.4	9567.5	1459.4	9574.9	1459.4	9588.0
GR	1459.7	9626.7	1459.7	9661.6	1459.7	9677.3	1459.7	9705.3	1459.8	9745.3
GR	1459.8	9749.1	1461.1	9760.4	1461.6	9768.4	1462.4	9772.5	1464.1	9784.8
GR	1461.1	9795.9	1459.5	9803.4	1459.0	9838.1	1458.4	9874.0	1457.9	9898.2
GR	1457.8	9907.8	1457.7	9912.3	1457.5	9922.3	1456.7	9962.3	1458.6	9971.3
GR	1458.9	9972.7	1457.8	9977.7	1457.8	9979.7	1457.5	9980.3	1453.8	9992.6
GR	1453.6	10000.0	1453.1	10021.1	1454.7	10027.8	1468.9	10079.7	1469.3	10081.7
GR	1468.6	10090								
NH	5	.055	9925.9	.09	9970.4	.028	10006.0	.09	10010.2	.055
NH	10038									
ET		7.1	7.1				9645.2	10038		
X1	6.144	46	9925.9	10010.2	500	590	590			
GR	1477.6	9009.5	1476.1	9016.1	1474.2	9035.9	1473.2	9040.0	1472.8	9043.1
GR	1467.2	9086.2	1467.1	9104.4	1466.4	9168.0	1466.3	9197.3	1466.2	9206.5
GR	1465.8	9250.3	1464.8	9338.4	1464.9	9344.2	1464.9	9349.0	1465.2	9431.6
GR	1465.7	9534.4	1465.8	9557.2	1466.0	9595.0	1466.1	9645.2	1465.4	9661.6
GR	1464.2	9692.1	1463.9	9715.4	1463.6	9725.0	1463.9	9735.7	1464.2	9744.1
GR	1463.9	9759.1	1463.7	9771.3	1464.1	9793.5	1464.4	9818.9	1463.7	9847.0
GR	1463.2	9869.0	1462.3	9872.2	1461.1	9881.0	1461.1	9899.1	1461.0	9901.3
GR	1461.1	9907.1	1461.4	9912.3	1461.6	9925.9	1461.4	9951.5	1459.6	9963.1
GR	1458.3	9970.4	1457.4	10000.0	1457.2	10006.0	1457.5	10006.8	1458.5	10010.2
GR	1468.6	10038								
NH	5	.055	9945	.09	9955	.028	10000.0	.09	10040	.055
NH	10335									
X1	6.244	23	9945	10040	340	560	530			
GR	1472	9244	1470	9685	1468.5	9725	1468.5	9775	1469.4	9880
GR	1468	9925	1466	9945	1464	9952	1462	9955	1461.2	9960
GR	1461.2	9975	1462	9992	1462.5	10000.0	1464	10012	1466	10040
GR	1466.5	10140	1466	10175	1464	10210	1464	10245	1464	10270
GR	1466	10295	1468	10315	1470	10335				
NH	5	.055	9836.1	.09	9844.8	.028	10012.0	.09	10030.5	.055
NH	10543									
ET		7.1	7.1				9688.7	10298.1		
X1	6.364	48	9836.1	10030.5	650	460	635			
GR	1477.6	9688.7	1475.3	9694.6	1474.4	9699.1	1470.8	9717.9	1470.1	9769.8
GR	1469.6	9820.4	1469.4	9833.4	1468.4	9836.1	1466.3	9844.8	1466.7	9908.0
GR	1466.7	9909.8	1466.8	9912.1	1467.9	9970.4	1467.8	9974.1	1467.4	9979.6
GR	1467.3	9985.2	1466.8	9987.0	1465.8	9992.8	1465.9	10000.0	1465.6	10012.0
GR	1468.9	10030.5	1468.9	10030.8	1468.9	10033.4	1469.4	10067.2	1469.5	10073.9
GR	1470.1	10114.0	1470.3	10144.9	1470.0	10180.2	1469.9	10207.8	1472.7	10276.7
GR	1473.3	10298.9	1473.1	10305.9	1471.2	10331.7	1469.8	10358.5	1469.9	10361.8
GR	1469.8	10363.6	1468.7	10399.7	1467.4	10440.1	1466.3	10469.0	1467.8	10476.0

GR	1468.3	10479.0	1465.8	10485.4	1465.6	10485.9	1465.9	10487.7	1466.3	10489.7
GR	1471.9	10535.2	1472.2	10537.7	1472.3	10543				
NH	7	.055	9847.2	.09	9931.3	.028	9931.3	.09	9980.7	.028
NH	10045	.09	10071.7	.055	10699.7					
ET		7.1	7.1				9681.8	10303.0		
X1	6.480	57	9847.2	10071.7	675	520	610			
GR	1479.4	9681.8	1478.8	9687.2	1475.6	9705.2	1474.8	9729.9	1473.1	9804.5
GR	1472.8	9819.6	1472.4	9847.2	1471.2	9849.0	1469.4	9855.5	1469.4	9862.0
GR	1469.1	9888.1	1469.1	9894.2	1469.1	9919.4	1469.7	9931.3	1471.3	9940.8
GR	1471.0	9951.5	1471.1	9954.0	1470.8	9960.6	1470.8	9970.2	1470.3	9977.0
GR	1469.8	9980.7	1469.6	10000.0	1469.0	10031.1	1468.9	10041.2	1470.8	10045
GR	1471.8	10048.0	1471.9	10071.7	1471.7	10116.2	1471.7	10117.4	1471.6	10119.3
GR	1471.1	10135.3	1471.3	10140.7	1471.3	10142.0	1471.1	10150.5	1471.2	10154.6
GR	1472.4	10172.7	1473.2	10184.4	1473.5	10188.0	1475.0	10218.5	1475.3	10229.5
GR	1476.1	10266.5	1476.4	10282.7	1476.7	10303.0	1475.0	10328.3	1473.1	10360.7
GR	1476.3	10430.1	1476.8	10445.1	1477.4	10463.4	1476.0	10506.9	1475.5	10520.2
GR	1475.3	10534.0	1477.0	10585.8	1478.3	10624.1	1479.4	10655.0	1479.5	10674.2
GR	1479.5	10674.3	1479.2	10699.7						
NH	5	.055	9919.4	.09	9943.9	.028	10138.8	.09	10151.9	.055
NH	10696									
X1	6.585	52	9919.4	10151.9	565	475	555			
GR	1480.4	9778.4	1479.8	9787.1	1478.2	9802.0	1475.9	9878.3	1475.6	9886.3
GR	1475.6	9887.3	1476.1	9915.0	1475.5	9919.4	1472.5	9933.1	1473.0	9943.9
GR	1473.8	10000.0	1473.6	10010.1	1473.4	10016.7	1473.6	10044.4	1473.5	10061.8
GR	1473.4	10078.4	1473.4	10112.9	1473.4	10125.7	1473.3	10131.7	1473.3	10138.8
GR	1474.3	10140.5	1475.6	10143.4	1475.3	10151.9	1475.2	10158.2	1475.6	10192.8
GR	1475.7	10202.3	1475.7	10209.7	1475.8	10236.4	1475.0	10241.4	1475.0	10243.2
GR	1475.0	10251.8	1475.7	10257.2	1475.4	10260.7	1475.0	10267.5	1476.1	10277.1
GR	1477.5	10296.6	1479.2	10313.0	1479.3	10316.2	1479.4	10338.0	1479.5	10384.2
GR	1479.8	10390.3	1480.0	10439.7	1478.9	10490.2	1479.6	10527.9	1479.7	10540.5
GR	1479.9	10550.3	1480.3	10592.9	1480.4	10604.1	1480.9	10656.6	1481.0	10664.1
GR	1482.1	10693.3	1482.3	10696						
NH	5	.055	9972.8	.09	9995.7	.028	10124.0	.09	10139.2	.055
NH	10517									
ET		7.1	7.1				9581.4	10288.1		
X1	6.697	60	9972.8	10139.2	590	590	590			
GR	1486.3	9581.4	1485.2	9591.1	1485.6	9603.3	1485.7	9606.9	1482.4	9625.5
GR	1482.2	9626.5	1482.1	9627.0	1480.2	9636.7	1480.1	9638.7	1479.6	9686.4
GR	1479.4	9701.0	1479.4	9704.1	1477.9	9740.3	1477.8	9742.4	1477.9	9743.1
GR	1477.9	9745.8	1477.8	9750.2	1477.6	9770.4	1476.8	9792.5	1476.3	9801.7
GR	1476.6	9805.0	1476.7	9809.9	1476.7	9810.4	1476.7	9811.1	1475.9	9818.1
GR	1475.6	9823.5	1476.3	9829.7	1477.2	9836.5	1477.2	9843.4	1477.0	9911.7
GR	1478.1	9967.1	1478.3	9972.8	1476.5	9991.5	1475.9	9995.7	1475.8	9998.5
GR	1475.6	10000.0	1476.0	10003.6	1477.2	10023.7	1476.5	10096.3	1476.1	10124.0
GR	1477.7	10132.2	1479.4	10139.2	1480.0	10165.0	1480.3	10219.4	1480.4	10288.1
GR	1480.4	10313.0	1479.8	10315.6	1478.1	10325.6	1479.7	10337.1	1479.9	10339.1
GR	1479.9	10341.3	1479.9	10343.7	1480.4	10413.4	1480.6	10422.6	1481.5	10453.9
GR	1481.8	10460.7	1482.8	10480.7	1483.1	10485.9	1484.4	10508.6	1485.1	10517

```
NH       5      .055    9976.8      .09    9985.7      .028   10047.2      .09   10058.8      .055
NH   10871
ET                7.1       7.1                                9672.5   10246.9
X1   6.801         94    9976.8  10058.8       550       580       550
GR  1484.7    9672.5  1483.8    9707.2  1483.3    9717.3  1480.9    9741.7  1480.8    9743.3
GR  1480.9    9743.3  1480.9    9744.8  1481.3    9745.9  1481.8    9756.7  1482.0    9761.8
GR  1481.7    9769.6  1481.5    9786.5  1481.4    9792.5  1481.3    9802.7  1481.1    9804.1
GR  1479.5    9807.7  1479.7    9810.9  1481.8    9844.2  1480.6    9886.1  1480.4    9893.4
GR  1481.5    9903.4  1481.7    9905.1  1481.5    9909.3  1480.8    9948.8  1481.1    9955.4
GR  1481.3    9963.3  1480.8    9973.1  1480.6    9976.8  1479.2    9981.0  1477.3    9985.7
GR  1477.5   10000.0  1477.2   10031.1  1477.6   10031.3  1477.6   10037.1  1477.8   10047.2
GR  1478.2   10048.9  1478.7   10051.3  1480.6   10058.8  1480.7   10060.7  1480.9   10060.9
GR  1480.8   10060.9  1480.7   10060.9  1480.8   10061.6  1481.0   10063.8  1480.7   10086.8
GR  1480.8   10129.2  1481.3   10151.8  1481.3   10153.9  1481.3   10157.8  1480.8   10180.0
GR  1480.7   10187.0  1480.7   10194.8  1480.7   10216.5  1481.5   10234.1  1482.4   10246.9
GR  1481.8   10249.8  1481.6   10255.1  1481.9   10276.4  1479.9   10295.3  1478.7   10318.6
GR  1480.8   10331.8  1482.0   10339.4  1482.0   10359.3  1482.1   10363.0  1481.8   10366.9
GR  1480.7   10379.2  1480.7   10379.7  1480.8   10381.0  1481.8   10394.3  1481.9   10398.8
GR  1482.1   10401.6  1482.1   10403.6  1482.7   10432.3  1483.2   10465.6  1483.4   10472.2
GR  1483.1   10497.2  1483.1   10517.5  1483.6   10540.7  1483.3   10620.0  1483.3   10624.1
GR  1483.4   10625.4  1485.0   10661.4  1486.0   10684.5  1487.3   10718.1  1487.1   10734.4
GR  1487.7   10741.8  1487.7   10745.4  1487.7   10763.9  1488.6   10790.9  1488.7   10794.4
GR  1488.6   10795.9  1488.6   10797.0  1488.5   10814.0  1488.0   10871

NH       5      .055    9948.7      .09    9965.5      .028   10008.3      .09   10040.3      .055
NH   10711
QT       2       3750      3750
ET                7.1       7.1                                9719.2   10476.1
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   6.908         67    9948.7  10040.3       620       475       565
GR  1493.3    9719.2  1492.6    9723.1  1492.2    9726.0  1486.7    9757.0  1486.1    9785.5
GR  1485.3    9808.5  1485.5    9820.8  1485.2    9845.0  1486.0    9882.3  1486.1    9888.4
GR  1486.0    9888.6  1486.0    9892.3  1486.0    9909.3  1485.5    9913.7  1484.0    9922.0
GR  1484.6    9928.5  1484.2    9945.8  1484.1    9948.7  1482.3    9959.5  1481.3    9965.5
GR  1481.3   10000.0  1481.3   10004.4  1481.3   10008.3  1484.7   10040.3  1485.2   10045.1
GR  1485.3   10056.6  1485.3   10103.9  1485.3   10117.6  1484.7   10130.0  1484.7   10143.9
GR  1485.2   10176.7  1485.3   10180.1  1485.1   10187.3  1484.7   10207.2  1485.1   10213.6
GR  1485.1   10217.8  1484.0   10230.1  1484.3   10236.4  1484.4   10240.7  1483.6   10249.7
GR  1483.3   10251.4  1484.1   10274.8  1484.9   10311.8  1485.6   10354.0  1485.9   10372.9
GR  1486.1   10377.1  1486.2   10382.8  1486.8   10421.4  1487.9   10476.1  1487.9   10477.1
GR  1487.7   10481.2  1486.2   10512.7  1487.3   10541.4  1487.3   10542.5  1486.7   10556.2
GR  1485.7   10564.1  1485.3   10568.3  1485.3   10571.6  1485.7   10590.8  1486.3   10594.7
GR  1486.9   10599.1  1487.3   10627.9  1487.3   10631.7  1487.5   10635.2  1488.2   10645.2
GR  1492.0   10702.5  1492.0    10711

NH       5      .055    9934.4      .09    9965.9      .028   10031.1      .09   10033.7      .055
NH   10731
ET                7.1       7.1                                9713.5   10347.9
X1   7.012         59    9934.4  10033.7       550       490       550
GR  1491.9    9713.5  1490.7    9724.6  1490.0    9736.3  1490.0    9743.8  1489.7    9752.8
GR  1488.9    9762.4  1488.7    9763.8  1488.6    9766.8  1488.9    9772.5  1489.3    9788.0
GR  1488.7    9797.4  1487.4    9827.6  1487.3    9829.2  1487.3    9829.7  1487.3    9837.9
GR  1488.0    9848.5  1488.4    9858.5  1488.4    9863.9  1488.1    9877.4  1487.3    9915.6
```

GR	1487.1	9927.5	1487.2	9934.4	1485.0	9954.1	1484.7	9957.7	1484.4	9965.9
GR	1483.8	9989.3	1483.8	10000.0	1485.0	10024.2	1485.3	10031.1	1485.6	10033.7
GR	1489.3	10070.7	1489.3	10126.1	1489.1	10163.1	1488.8	10195.7	1488.6	10205.8
GR	1488.6	10231.2	1488.2	10285.0	1487.8	10297.0	1487.1	10301.0	1487.5	10301.8
GR	1488.7	10325.6	1489.2	10338.2	1489.4	10347.9	1489.3	10362.3	1489.3	10392.8
GR	1489.3	10430.7	1489.3	10469.0	1488.1	10486.3	1488.0	10488.1	1489.0	10500.9
GR	1489.8	10511.8	1490.8	10548.6	1491.9	10573.6	1492.4	10587.3	1491.7	10629.6
GR	1491.8	10644.9	1491.9	10653.2	1491.8	10710.2	1492.0	10731		
NH	5	.055	10000.0	.09	10025.0	.028	10062.0	.09	10075.1	.055
NH	10929									
X1	7.130	60	10000.0	10075.1	630	605	625			
GR	1500.9	9859.6	1498.7	9874.6	1498.1	9879.2	1494.6	9903.0	1491.9	9918.3
GR	1491.9	9918.3	1490.5	9923.9	1490.0	9925.4	1490.2	9926.3	1493.0	9940.0
GR	1493.3	9958.8	1493.5	9970.3	1493.3	9982.4	1492.9	10000.0	1489.4	10013.5
GR	1486.7	10025.0	1486.9	10035.8	1487.6	10062.0	1490.0	10075.1	1492.0	10088.9
GR	1492.8	10106.1	1494.4	10133.8	1494.1	10149.3	1494.1	10197.1	1493.6	10263.1
GR	1494.0	10317.1	1494.1	10328.4	1493.8	10347.9	1493.0	10399.0	1493.3	10425.0
GR	1493.3	10451.4	1493.3	10462.6	1492.9	10485.5	1492.7	10501.3	1492.8	10503.3
GR	1493.3	10506.6	1493.8	10528.1	1494.0	10541.4	1495.0	10555.6	1497.3	10594.2
GR	1497.9	10623.4	1497.7	10633.7	1497.5	10639.1	1496.7	10678.0	1496.5	10695.0
GR	1496.8	10704.4	1497.0	10723.3	1497.3	10744.9	1497.7	10782.3	1497.9	10801.4
GR	1498.0	10815.3	1498.0	10833.0	1497.7	10851.6	1498.0	10859.7	1498.0	10885.4
GR	1498.1	10888.9	1498.7	10908.5	1499.2	10924.1	1499.3	10928.3	1499.4	10929
NH	5	.055	9964.7	.09	9982.2	.028	10004.6	.09	10020.5	.055
NH	10639									
X1	7.232	57	9964.7	10020.5	540	540	540			
GR	1503.0	9641.6	1502.6	9645.1	1502.5	9646.2	1499.2	9657.8	1498.8	9662.5
GR	1496.6	9683.8	1496.2	9688.6	1495.1	9703.2	1494.8	9707.0	1494.8	9707.9
GR	1496.0	9711.7	1496.0	9713.5	1495.5	9716.9	1495.6	9734.7	1496.0	9755.3
GR	1496.0	9756.4	1495.9	9757.0	1495.3	9766.5	1495.3	9767.0	1496.0	9775.9
GR	1496.3	9790.0	1497.1	9817.5	1497.1	9844.0	1497.2	9923.5	1497.3	9926.2
GR	1497.0	9934.5	1496.7	9945.9	1496.0	9964.7	1494.1	9970.4	1490.0	9982.2
GR	1490.0	10000.0	1489.8	10004.6	1491.2	10008.5	1495.8	10020.5	1495.3	10032.0
GR	1494.7	10054.6	1495.3	10068.5	1496.0	10076.0	1496.7	10097.3	1497.2	10112.3
GR	1497.3	10117.9	1497.1	10160.2	1497.0	10195.0	1497.0	10226.4	1496.3	10304.8
GR	1496.2	10326.5	1496.4	10336.4	1496.7	10370.3	1497.5	10437.2	1497.6	10450.4
GR	1497.4	10490.4	1497.3	10491.9	1497.3	10495.1	1498.5	10534.1	1499.1	10574.6
GR	1499.8	10614.0	1500.1	10639						
NH	5	.055	9986.1	.09	10000.0	.028	10066.7	.09	10086.1	.055
NH	10438									
ET		7.1	7.1				9687.0	10438		
X1	7.337	59	9986.1	10086.1	555	555	555			
GR	1506.0	9279.1	1504.0	9294.0	1502.8	9298.4	1501.3	9313.7	1501.3	9314.2
GR	1501.3	9337.2	1500.0	9377.8	1499.4	9412.1	1499.3	9418.0	1499.4	9431.8
GR	1500.0	9487.5	1499.3	9502.3	1499.3	9502.4	1499.3	9502.5	1500.2	9574.1
GR	1500.7	9620.3	1500.8	9626.6	1501.7	9660.6	1502.3	9687.0	1502.2	9708.9
GR	1502.2	9715.4	1500.2	9745.4	1499.4	9752.4	1499.5	9762.3	1499.7	9786.1
GR	1500.5	9808.7	1500.7	9820.5	1500.0	9866.0	1499.5	9892.2	1499.2	9912.2
GR	1498.0	9927.7	1498.0	9928.2	1498.1	9929.7	1499.2	9945.8	1499.4	9949.7
GR	1499.2	9955.8	1499.0	9969.9	1498.7	9984.1	1498.0	9986.1	1492.7	10000.0
GR	1493.7	10041.5	1494.0	10052.1	1495.7	10066.7	1498.3	10086.1	1498.7	10114.2

```
GR   1499.2    10149.3    1499.3    10152.7    1499.3    10159.8    1498.8    10174.0    1499.8    10198.0
GR   1500.0    10203.4    1499.8    10218.8    1499.8    10296.7    1500.4    10333.7    1501.4    10365.8
GR   1501.7    10384.6    1501.8    10396.6    1502.4    10423.6    1502.6      10438

NH        5        .055    9972.4        .09    10000.0        .028    10058.0        .09    10084.1        .055
NH    10236
X1    7.448          54    9972.4    10084.1         585         600         585
GR   1507.6    9181.0     1507.3    9205.4     1507.0    9234.8     1506.0    9292.7     1505.4    9321.7
GR   1504.6    9369.8     1504.5    9394.3     1504.5    9402.9     1504.5    9410.7     1504.8    9435.1
GR   1504.9    9437.2     1504.9    9469.8     1505.3    9525.9     1504.9    9531.8     1504.0    9543.4
GR   1503.7    9547.7     1504.0    9559.1     1504.1    9566.2     1504.3    9580.5     1504.2    9589.6
GR   1504.7    9621.9     1504.8    9631.7     1503.8    9662.5     1503.3    9678.7     1503.4    9683.6
GR   1504.0    9729.1     1504.7    9754.9     1505.3    9777.8     1504.0    9795.5     1503.0    9812.3
GR   1503.3    9838.7     1503.3    9858.0     1502.7    9898.1     1502.8    9909.3     1502.0    9962.5
GR   1502.0    9972.4     1498.1    9995.3     1497.3    10000.0    1497.3    10008.5    1497.1    10026.7
GR   1497.0    10037.2    1496.7    10058.0    1501.3    10084.1    1501.8    10089.5    1501.6    10104.4
GR   1501.4    10115.4    1503.3    10147.1    1503.3    10147.3    1503.3    10147.6    1503.8    10159.7
GR   1506.2    10191.8    1507.3    10226.2    1507.3    10230.2    1507.4      10236

NH        5        .055    9980.0        .09    10000.0        .028    10028.6        .09    10050.8        .055
NH    10464
        AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
        BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
X1    7.562          53    9980.0    10050.8         540         630         600
GR   1509.6    9659.8     1509.3    9672.0     1509.0    9683.5     1508.3    9732.4     1508.0    9785.5
GR   1507.9    9797.0     1508.5    9836.9     1508.5    9842.5     1508.4    9862.4     1507.6    9897.7
GR   1505.1    9946.2     1505.0    9953.4     1504.7    9965.2     1505.0    9969.9     1504.7    9980.0
GR   1502.7    9988.8     1499.3    10000.0    1500.0    10027.0    1500.0    10027.8    1500.0    10027.9
GR   1500.2    10028.6    1504.7    10050.8    1504.7    10051.5    1504.4    10065.2    1504.4    10068.0
GR   1504.2    10082.5    1504.0    10087.0    1504.0    10110.4    1504.0    10111.8    1504.0    10112.2
GR   1504.0    10123.3    1504.7    10143.0    1504.7    10144.4    1504.7    10149.9    1504.7    10179.8
GR   1505.4    10190.9    1506.6    10222.1    1506.2    10229.8    1505.8    10237.2    1504.8    10252.6
GR   1505.2    10260.9    1506.6    10283.3    1506.3    10295.8    1507.8    10322.8    1508.1    10325.9
GR   1510.1    10344.9    1510.7    10366.5    1511.7    10390.0    1513.3    10401.2    1514.3    10429.8
GR   1514.7    10445.7    1514.7    10448.2    1515.6      10464

NH        5        .055    9975.7        .09    9989.0        .028    10025.7        .09    10046.8        .055
NH    10870
ET              7.1         7.1                                      9604.9    10201.0
X1    7.666          86    9975.7    10046.8         550         580         550
GR   1513.7    9604.9     1512.7    9620.0     1513.0    9637.3     1512.5    9676.3     1512.0    9707.0
GR   1512.0    9723.8     1512.0    9736.8     1511.8    9743.5     1509.8    9784.9     1509.7    9795.6
GR   1509.0    9821.3     1507.3    9878.9     1507.3    9879.1     1507.3    9879.1     1507.3    9879.3
GR     1506    9895.0       1506    9901.1     1506.6    9919.4     1506.2    9932.1     1505.0    9947.4
GR   1505.3    9955.8     1505.8    9963.5     1506.7    9975.7     1505.4    9982.2     1502.7    9989.0
GR   1502.4    10000.0    1502.6    10019.7    1502.7    10022.9    1503.4    10025.7    1508.0    10046.8
GR   1507.3    10060.4    1506.9    10069.5    1508.5    10086.7    1508.7    10089.2    1508.6    10093.3
GR   1508.0    10110.3    1508.0    10128.0    1508.2    10144.9    1510.7    10201.0    1510.7    10201.4
GR   1510.7    10201.5    1510.0    10251.9    1510.0    10260.0    1509.4    10317.0    1509.2    10320.9
GR   1509.2    10322.0    1509.2    10332.0    1508.6    10340.6    1507.8    10361.1    1508.5    10366.8
GR   1508.7    10367.4    1508.6    10368.5    1508.5    10369.0    1506.7    10379.1    1507.2    10383.0
GR   1508.0    10390.5    1508.4    10402.6    1509.5    10429.7    1510.2    10454.5    1510.9    10489.6
GR   1510.9    10494.1    1509.7    10514.7    1508.7    10539.0    1507.7    10546.4    1507.3    10547.9
GR   1508.8    10556.4    1509.2    10558.1    1509.3    10559.1    1509.9    10587.6    1510.2    10603.0
```

```
GR   1509.8    10609.7    1509.3    10620.2    1510.1    10634.9    1511.1    10646.6    1511.2    10655.0
GR   1511.7    10682.6    1511.8    10699.0    1511.9    10709.6    1512.6    10730.2    1512.9    10772.3
GR   1512.7    10781.5    1512.7    10799.2    1513.1    10811.1    1513.3    10825.7    1513.8    10848.7
GR   1514.7      10870

NH        5        .055    9961.8        .09    9983.5        .028   10047.1        .09    10078.7       .055
NH    10749
ET                  7.1       7.1                                    9885.7    10353.2
X1    7.770          60    9961.8    10078.7       550         510       550
GR   1513.3    9885.7     1512.1    9906.8     1510.8    9920.7     1510.8    9922.8     1510.7    9924.7
GR   1510.7    9930.8     1511.1    9961.8     1507.3    9975.9     1505.6    9983.5     1505.7    9985.3
GR   1504.9    10000.0    1504.9    10008.3    1504.9    10021.3    1504.9    10026.8    1505.3    10035.3
GR   1505.3    10047.1    1505.6    10055.9    1507.5    10066.7    1510.5    10078.7    1510.8    10090.8
GR   1511.3    10111.4    1511.3    10125.1    1512.0    10146.0    1512.1    10167.5    1512.2    10185.7
GR   1512.4    10200.1    1512.9    10212.1    1513.4    10234.3    1513.9    10250.4    1514.1    10253.7
GR   1514.0    10261.6    1514.4    10307.4    1515.2    10353.2    1515.2    10364.8    1515.1    10372.3
GR   1514.4    10405.9    1513.0    10452.7    1512.6    10466.6    1512.3    10471.0    1511.3    10497.8
GR   1511.3    10505.5    1512.3    10524.7    1512.1    10536.7    1511.3    10548.7    1511.7    10568.8
GR   1512.0    10583.0    1512.5    10606.9    1512.8    10614.1    1512.9    10618.5    1512.9    10622.1
GR   1512.4    10633.0    1512.2    10651.8    1512.0    10654.7    1512.4    10660.0    1513.1    10669.6
GR   1513.4    10678.2    1513.8    10683.3    1513.7    10728.6    1513.8    10736.9    1514.0      10749

NH        5        .055    9980.2        .09    10000.0       .028   10030.3        .09    10052.7       .055
NH    10959
X1    7.883          56    9980.2    10052.7       610         550       595
GR   1520.6    9913.1     1515.0    9951.5     1514.0    9964.4     1511.1    9980.2     1508.7    10000.0
GR   1508.7    10028.6    1508.7    10030.0    1508.7    10030.3    1508.9    10031.4    1514.3    10052.7
GR   1514.7    10080.4    1514.5    10104.6    1513.1    10115.1    1511.0    10137.4    1510.7    10141.4
GR   1511.5    10147.0    1513.2    10158.3    1513.3    10178.3    1513.2    10182.9    1513.2    10184.0
GR   1513.2    10188.2    1514.7    10227.6    1515.1    10231.4    1515.3    10235.4    1515.3    10255.2
GR   1516.7    10306.3    1517.2    10324.6    1517.0    10360.9    1517.2    10380.2    1517.4    10403.9
GR   1518.0    10450.1    1517.6    10476.0    1518.0    10536.9    1518.2    10554.8    1517.9    10556.5
GR   1517.8    10561.9    1517.3    10579.2    1517.0    10584.1    1516.7    10587.3    1517.9    10609.6
GR   1518.1    10617.6    1518.3    10623.8    1518.3    10642.7    1518.4    10653.0    1517.9    10683.5
GR   1517.6    10706.5    1517.5    10720.4    1516.9    10753.8    1516.4    10771.4    1516.8    10782.1
GR   1518.3    10828.0    1518.5    10840.3    1519.1    10863.2    1519.4    10901.7    1519.7    10932.4
GR   1520.0      10959

NH        7        .055    9936.4        .09    9964.0        .028   10023.0        .09    10041.8       .055
NH    10427        .028   10450.8        .055   10876
X1    7.988          65    9936.4    10041.8       555         550       555
GR   1522.8    9833.6     1521.8    9838.6     1518.0    9857.4     1518.0    9860.3     1516.8    9885.6
GR   1516.0    9903.8     1515.7    9916.8     1515.6    9931.7     1516.4    9933.4     1516.1    9936.4
GR   1515.0    9949.5     1514.4    9964.0     1513.5    10000.0    1513.3    10023.0    1515.6    10031.0
GR   1519.9    10041.8    1519.1    10062.8    1518.3    10067.7    1516.7    10082.8    1517.7    10098.0
GR   1519.5    10126.0    1520.0    10136.2    1519.6    10172.7    1517.4    10234.7    1517.3    10236.1
GR   1517.2    10237.7    1516.6    10268.2    1516.7    10284.0    1516.7    10285.1    1516.7    10285.5
GR   1516.8    10311.1    1518.2    10348.0    1519.2    10376.8    1519.2    10379.4    1519.1    10394.7
GR   1516.0    10421.9    1515.3      10427    1515.3    10431.7    1514.9    10450.8    1518.0    10467.3
GR   1518.7    10470.5    1518.7    10470.8    1518.7    10471.3    1518.7    10502.8    1518.9    10510.0
GR   1520.6    10542.0    1520.6    10552.7    1520.2    10567.6    1519.6    10588.3    1519.3    10598.3
GR   1520.0    10616.3    1521.0    10653.3    1520.9    10674.0    1521.0    10698.2    1520.9    10728.4
GR   1520.9    10740.1    1520.3    10761.5    1520.0    10762.1    1520.3    10779.2    1520.7    10800.8
GR   1520.7    10829.7    1520.7    10830.3    1520.9    10845.9    1520.9    10855.5    1521.0      10876
```

```
NH       9      .055     9977.8      .09     9985.3      .028    10005.9      .09    10031.8      .055
NH   10241      .09     10271.1      .028    10303.3      .09    10319.0      .055   10642.2
QT       2      3345     3345
         AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
         BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
         INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   8.092       61     9977.8   10031.8       525       690       550
GR  1525.9   9761.6    1523.7    9778.6    1522.6    9790.8    1520.5    9813.7    1520.5    9818.6
GR  1520.5   9827.1    1520.5    9834.1    1520.5    9837.9    1520.5    9854.8    1520.5    9870.8
GR  1520.5   9875.7    1520.5    9885.7    1520.5    9886.1    1521.3    9919.0    1521.3    9919.3
GR  1521.3   9919.5    1521.7    9938.2    1521.9    9949.8    1521.6    9956.3    1520.7    9972.4
GR  1519.1   9977.8    1516.7    9985.3    1516.7   10000.0    1516.7   10001.4    1517.3   10005.9
GR  1521.6  10031.8    1522.7   10078.4    1522.7   10078.9    1522.7   10079.7    1522.7   10081.4
GR  1522.5  10118.8    1522.5   10126.5    1522.2   10139.2    1521.6   10169.5    1522.2   10186.2
GR  1522.7  10196.9    1522.8   10203.3    1522.5   10215.6    1522.2     10241    1519.8   10266.5
GR  1519.3  10271.1    1518.8   10284.3    1518.1   10303.3    1521.2   10319.0    1521.3   10319.8
GR  1521.3  10322.8    1521.5   10349.0    1522.0   10387.8    1522.7   10440.8    1523.1   10463.6
GR  1523.1  10488.0    1522.8   10527.8    1522.9   10540.2    1522.5   10549.2    1522.4   10556.1
GR  1522.0  10563.3    1522.0   10568.0    1522.6   10580.7    1522.7   10583.3    1522.7   10587.3
GR  1523.1  10642.2

NH       5      .055     9956.2      .09     9971.4      .028    10000.4      .09    10015.6      .055
NH   10747
ET               7.1      7.1                                   9937.5   10449.2
X1   8.196        54     9956.2   10015.6       550       550       550
GR  1533.5   9937.5    1533.2    9940.5    1532.0    9944.4    1526.3    9956.2    1520.8    9969.5
GR  1520.0   9971.4    1519.9    9973.6    1519.3   10000.0    1519.4   10000.4    1525.2   10015.6
GR  1524.7  10033.2    1524.7   10036.0    1524.3   10039.4    1524.1   10061.2    1524.7   10068.3
GR  1524.7  10075.0    1525.1   10090.6    1522.8   10103.8    1521.3   10110.8    1521.5   10113.2
GR  1523.1  10130.6    1525.8   10155.9    1526.5   10207.8    1526.6   10217.3    1526.7   10221.1
GR  1526.4  10228.6    1525.0   10271.0    1524.7   10274.0    1524.1   10290.2    1524.0   10293.2
GR  1524.1  10295.1    1524.8   10306.9    1524.3   10319.4    1524.0   10328.6    1524.3   10335.0
GR  1525.3  10363.5    1525.3   10371.3    1525.8   10404.2    1526.1   10419.7    1526.7   10449.2
GR  1526.7  10451.2    1526.7   10452.0    1526.4   10455.8    1524.7   10477.2    1524.9   10479.3
GR  1526.0  10492.5    1526.6   10570.8    1526.7   10582.2    1526.9   10592.2    1528.3   10671.7
GR  1529.8  10713.6    1530.2   10724.0    1530.3   10727.7    1531.2     10747

NH       5      .055     9965.5      .09     9985.7      .028    10013.5      .09    10041.3      .055
NH   10700
ET               7.1      7.1                                   9905.0   10369.3
X1   8.301        50     9965.5   10041.3       565       470       555
GR  1535.3   9905.0    1534.1    9910.7    1533.9    9913.7    1528.0    9940.1    1527.7    9948.5
GR  1527.3   9965.5    1523.8    9981.0    1522.6    9985.7    1522.3   10000.0    1522.0   10013.5
GR  1525.9  10031.2    1527.9   10041.3    1527.9   10075.0    1528.0   10078.1    1528.1   10082.0
GR  1528.7  10124.0    1528.6   10143.6    1528.0   10202.9    1528.0   10206.0    1527.9   10208.3
GR  1526.0  10251.9    1526.7   10264.7    1529.3   10300.4    1529.6   10306.3    1529.7   10312.7
GR  1530.1  10369.3    1529.6   10411.0    1529.4   10417.0    1528.7   10422.6    1529.2   10424.0
GR  1527.3  10435.4    1527.7   10441.1    1529.0   10454.8    1528.8   10471.9    1528.8   10475.9
GR  1528.0  10481.4    1527.3   10487.0    1527.4   10488.9    1528.7   10505.9    1528.6   10507.4
GR  1528.7  10511.0    1528.7   10515.3    1528.9   10518.0    1530.5   10584.6    1530.6   10591.1
GR  1530.8  10596.9    1531.3   10607.2    1534.0   10663.1    1535.1   10680.0    1535.4     10700
```

```
NH       5      .055    9973.5       .09    10000.0       .028    10026.8       .09    10046.9       .055
NH   10556
ET              7.1       7.1                                    9645.9    10369.3
      AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE
      BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.
X1   8.407        67    9973.5   10046.9       590       500       560
GR  1536.9    9645.9    1535.0    9663.0    1533.5    9678.0    1532.0    9689.1    1531.5    9702.9
GR  1531.5    9717.2    1531.5    9725.1    1531.5    9726.4    1531.5    9728.3    1531.5    9734.0
GR  1531.5    9748.1    1531.5    9750.7    1531.5    9751.0    1531.5    9753.5    1531.5    9757.9
GR  1531.5    9763.5    1531.5    9768.4    1531.5    9780.1    1531.5    9784.8    1531.5    9787.0
GR  1531.5    9790.3    1531.5    9794.7    1531.5    9796.7    1531.5    9813.3    1531.5    9825.2
GR  1531.7    9857.8    1532.1    9866.7    1531.9    9876.1    1531.3    9901.8    1530.7    9929.8
GR  1529.8    9936.4    1528.9    9942.2    1530.4    9955.2    1530.7    9959.8    1530.7    9960.8
GR  1530.8    9962.7    1531.0    9973.5    1528.4    9987.0    1526.2   10000.0    1526.7   10020.0
GR  1526.7   10026.8    1528.2   10032.5    1531.1   10046.9    1531.2   10059.6    1531.3   10126.8
GR  1531.4   10135.4    1531.5   10140.5    1532.7   10177.5    1533.0   10214.0    1533.2   10245.0
GR  1533.4   10258.8    1534.2   10270.8    1534.7   10283.9    1535.8   10311.5    1535.9   10350.5
GR  1535.9   10356.5    1535.6   10360.2    1533.7   10409.4    1533.6   10419.7    1533.4   10435.8
GR  1533.1   10458.7    1532.9   10465.6    1531.5   10470.5    1531.3   10471.4    1533.8   10517.6
GR  1534.1   10521.0    1537.0     10556

NH       5      .055    9979.8       .09    10000.0       .028    10047.8       .09    10057.2       .055
NH   10149
X1   8.524        37    9971.5   10057.2       550       625       620
GR  1538.3    9352.3    1538.2    9374.6    1537.3    9405.0    1537.5    9422.3    1537.6    9445.2
GR  1537.6    9483.0    1538.0    9506.2    1538.2    9520.8    1539.0    9547.3    1538.0    9567.4
GR  1536.3    9601.7    1534.8    9671.4    1534.7    9676.6    1534.8    9678.9    1536.0    9771.7
GR  1535.9    9775.8    1534.7    9824.3    1535.2    9847.7    1535.4    9851.3    1535.2    9853.1
GR  1535.1    9914.6    1535.0    9937.4    1534.9    9958.0    1534.7    9971.5    1533.6    9979.8
GR  1529.8   10000.0    1530.2   10026.5    1530.0   10038.3    1531.7   10047.8    1534.0   10057.2
GR  1535.3   10072.7    1536.7   10089.8    1536.7   10094.5    1537.0   10104.3    1538.7   10125.2
GR  1538.6   10134.7    1539.3     10149

NH       5      .055    9944.9       .09     9964.1       .028    10014.4       .09    10046.6       .055
NH   10070
X1   8.634        24    9944.9   10046.6       540       600       580
GR  1544.0    9614.6    1543.0    9623.6    1541.9    9638.7    1541.0    9648.8    1540.0    9667.7
GR  1539.4    9679.6    1539.1    9687.9    1537.0    9736.8    1537.9    9758.1    1538.7    9782.0
GR  1538.7    9838.3    1538.4    9890.7    1538.6    9907.0    1538.0    9944.7    1538.0    9944.8
GR  1538.0    9944.9    1533.3    9964.1    1533.3    9965.0    1532.7   10000.0    1536.4   10014.4
GR  1536.7   10015.4    1536.8   10016.1    1538.5   10046.6    1543.5     10070

NH       5      .055    9962.6       .09     9981.1       .028    10008.8       .09    10034.2       .055
NH   10489
X1   8.736        44    9962.6   10034.2       530       540       540
GR  1547.8    9755.8    1546.2    9767.4    1544.5    9777.2    1543.9    9793.9    1543.2    9804.2
GR  1543.4    9807.3    1542.5    9823.5    1539.3    9899.9    1540.9    9933.2    1541.3    9943.5
GR  1541.0    9946.1    1541.1    9948.7    1540.7    9962.6    1537.6    9973.1    1535.5    9981.1
GR  1535.5   10000.0    1535.5   10008.8    1537.2   10016.1    1540.7   10034.2    1540.7   10078.4
GR  1540.6   10098.1    1540.6   10101.0    1540.0   10114.9    1540.0   10128.0    1540.0   10136.0
GR  1540.5   10142.3    1541.6   10163.7    1540.9   10193.5    1540.7   10210.7    1540.7   10215.6
GR  1541.3   10236.4    1541.4   10241.2    1542.0   10276.4    1542.2   10283.1    1545.8   10329.3
GR  1545.9   10332.6    1545.4   10363.2    1545.3   10401.2    1545.3   10411.0    1545.1   10415.5
```

```
GR   1544.3   10435.6   1544.3   10442.3   1544.7   10461.6   1544.7   10489

NH      5      .055    9966.6      .09    9980.5      .028   10027.2      .09   10038.6      .055
NH  10691
X1   8.840        44   9966.6   10038.6       550       550       550
GR   1551.0   9693.6   1550.9   9695.6   1548.7   9712.3   1547.2   9720.1   1546.4   9725.1
GR   1544.2   9788.4   1544.0   9793.3   1544.0   9795.7   1544.7   9848.0   1544.7   9848.4
GR   1544.7   9848.9   1542.0   9898.4   1543.5   9944.1   1543.8   9959.1   1542.6   9966.6
GR   1540.0   9980.5   1539.2   10000.0  1538.7   10014.7  1540.8   10027.2  1542.8   10038.6
GR   1542.7   10087.7  1542.7   10090.8  1542.8   10094.1  1542.9   10110.7  1548.4   10178.0
GR   1548.7   10181.3  1548.7   10183.0  1549.2   10222.5  1548.2   10239.4  1548.0   10258.5
GR   1547.7   10270.7  1547.0   10300.6  1546.9   10334.6  1547.2   10343.8  1547.1   10361.5
GR   1547.1   10416.4  1546.9   10425.9  1546.6   10482.9  1546.6   10485.7  1546.8   10498.6
GR   1547.1   10556.6  1547.3   10595.5  1547.6   10666.6  1547.6   10691

NH      5      .055    9923.8      .09    9938.8      .028   10081.3      .09   10103.3      .055
NH  10559
X1   8.948        61   9923.8   10103.3       540       590       570
GR   1549.3   9716.6   1548.4   9724.4   1548.5   9727.7   1548.4   9743.0   1548.3   9765.3
GR   1547.4   9780.6   1546.7   9804.7   1546.8   9811.9   1546.6   9814.7   1546.0   9829.6
GR   1546.2   9833.0   1546.9   9845.6   1547.1   9849.1   1547.0   9857.6   1546.6   9867.8
GR   1545.8   9879.4   1545.8   9888.3   1545.4   9902.9   1546.1   9909.3   1547.1   9923.8
GR   1543.4   9938.8   1543.3   9939.3   1543.3   9970.6   1543.3   9972.1   1542.7   10000.0
GR   1542.7   10015.2  1543.5   10022.4  1544.1   10030.8  1544.4   10035.0  1544.8   10051.4
GR   1544.1   10059.9  1543.1   10066.4  1543.3   10072.8  1543.3   10081.3  1544.6   10095.5
GR   1545.3   10103.3  1545.2   10107.0  1545.3   10125.3  1545.4   10138.1  1545.4   10141.3
GR   1546.7   10160.0  1546.7   10162.9  1547.1   10183.2  1547.6   10194.8  1548.2   10203.9
GR   1548.3   10214.5  1548.7   10227.4  1548.9   10233.4  1548.7   10255.3  1548.8   10267.0
GR   1548.8   10274.3  1549.1   10297.3  1549.1   10324.7  1549.4   10343.6  1549.1   10363.6
GR   1549.1   10381.7  1548.7   10395.1  1548.7   10414.7  1549.2   10473.3  1550.0   10535.5
GR   1550.0   10559

NH      5      .055    9967.3      .09    9978.4      .028   10022.8      .09   10036.7      .055
NH  10637
X1   9.053        73   9967.3   10036.7       550       570       555
GR   1555.8   9628.3   1554.9   9642.3   1552.6   9671.2   1552.0   9676.4   1552.0   9682.5
GR   1551.7   9721.6   1550.9   9732.2   1550.7   9736.8   1550.9   9741.4   1551.7   9747.1
GR   1551.7   9754.9   1552.0   9760.1   1552.5   9775.5   1554.0   9791.2   1554.1   9792.2
GR   1554.3   9795.5   1554.0   9798.3   1553.0   9816.1   1552.6   9825.1   1551.8   9854.9
GR   1551.9   9860.5   1550.7   9930.0   1550.6   9941.4   1549.9   9955.8   1549.3   9967.3
GR   1547.8   9978.4   1546.6   9986.0   1546.4   10000.0  1546.4   10022.8  1547.7   10036.7
GR   1548.0   10050.2  1548.4   10058.3  1548.9   10079.7  1548.7   10086.3  1548.7   10092.6
GR   1548.7   10100.4  1548.7   10143.8  1549.0   10178.5  1549.3   10216.4  1549.3   10228.5
GR   1548.2   10248.5  1548.1   10251.4  1548.7   10271.0  1548.7   10274.4  1550.7   10299.4
GR   1550.7   10299.5  1551.8   10307.1  1552.5   10315.7  1552.7   10321.8  1552.8   10328.4
GR   1553.3   10349.5  1553.3   10351.2  1553.8   10353.9  1553.5   10370.4  1553.9   10415.0
GR   1553.9   10425.1  1554.0   10426.6  1553.9   10433.8  1553.9   10437.4  1553.6   10463.5
GR   1553.8   10477.5  1554.0   10488.7  1553.8   10494.8  1553.6   10506.7  1554.3   10537.5
GR   1554.3   10568.1  1553.3   10595.6  1553.0   10600.5  1553.1   10606.8  1553.8   10622.0
GR   1553.9   10625.3  1554.1   10628.6  1554.2   10637
```

```
NH       9      .055    9855.0       .09    9867.7      .028    9877.6       .09    9888.3      .055
NH  9967.0       .09    9985.3      .028   10016.2       .09   10038.3      .055     10715
X1   9.158        52    9975.7   10026.9       555       530       555
GR  1566.7    9794.8    1561.8    9811.8    1552.9    9837.8    1553.0    9846.1    1553.1    9851.5
GR  1552.3    9855.0    1550.7    9867.7    1550.6    9870.0    1550.0    9877.6    1552.7    9888.3
GR  1553.8    9892.1    1553.6    9897.6    1553.0    9910.7    1552.7    9915.0    1552.7    9916.1
GR  1552.9    9918.0    1554.0    9932.1    1553.9    9945.4    1553.5    9967.0    1553.5    9975.7
GR  1551.4    9980.5    1549.4    9985.3    1549.3   10000.0    1549.3   10012.8    1550.1   10016.2
GR  1553.3   10026.9    1553.3   10038.3    1553.3   10038.7    1553.4   10040.7    1554.0   10063.2
GR  1554.0   10109.0    1554.0   10122.0    1553.9   10135.0    1553.8   10139.0    1553.7   10142.0
GR  1553.5     10145    1553.5     10155    1553.7     10160    1553.7     10265    1552.9     10270
GR  1552.9     10275    1553.3     10280    1553.3     10285    1552.9     10295    1552.9     10300
GR  1553.3     10310      1554     10350      1554     10380    1553.5     10390      1554     10400
GR    1556     10615      1558     10715

NH       7      .055    9927.4       .09    9957.2      .028   10010.7       .09   10029.2      .055
NH   10162      .028   10182.8      .055   11080.4
QT       2      2943      2943
ET               7.1       7.1                                 9871.0   10358.2
      100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
      HEC-1 MODEL I.D. NO.=C89.  (D.A.=18.60 SQ. MI.)
X1   9.262        70    9927.4   10029.2       550       550       550
GR  1558.9    9871.0    1557.3    9880.5    1556.9    9896.1    1556.7    9908.5    1556.7    9922.4
GR  1556.1    9927.4    1552.8    9947.0    1552.7    9948.2    1552.8    9957.2    1553.3   10000.0
GR  1555.3   10010.7    1556.2   10015.1    1556.6   10023.4    1556.7   10029.2    1556.0   10054.7
GR  1556.0   10070.7    1556.6   10079.2    1557.3   10084.6    1556.9   10094.7    1557.0   10128.0
GR  1556.6   10159.5    1556.3     10162    1554.7   10171.0    1554.7   10177.5    1554.7   10182.8
GR  1555.4   10187.5    1556.7   10195.0    1556.7   10244.2    1556.7   10248.1    1556.7   10248.7
GR  1556.6   10249.9    1556.3   10268.8    1557.0   10281.9    1557.1   10287.0    1557.4   10294.7
GR  1557.5   10336.8    1557.4   10344.3    1557.4   10351.5    1557.6   10358.2    1557.6   10366.0
GR  1557.5   10370.4    1556.8   10458.5    1556.6   10459.4    1556.0   10467.6    1556.7   10478.0
GR  1556.7   10478.6    1556.7   10480.8    1557.6   10573.5    1557.1   10622.3    1557.4   10659.3
GR  1557.3   10668.0    1557.2   10669.8    1556.7   10677.8    1556.8   10680.2    1557.3   10688.8
GR  1557.5   10710.9    1557.6   10756.7    1557.7   10772.5    1558.6   10806.0    1559.0   10818.7
GR  1559.0   10836.5    1559.3   10860.5    1559.0   10895.7    1559.1   10941.3    1559.3   10977.2
GR  1559.7   10984.8    1561.1   11030.6    1561.3   11039.2    1561.4   11045.0    1561.9   11080.4

NH       7      .055    9956.2       .09    9970.5      .028   10019.9       .09   10071.9      .028
NH   10098       .09   10111.7      .055   11129.2
ET               7.1       7.1                                 9586.1   10274.6
X1   9.375        89    9956.2   10056.5       650       510       595
GR  1562.7    9586.1    1561.7    9597.7    1561.4    9599.3    1561.1    9611.7    1560.2    9647.2
GR  1559.8    9651.1    1558.8    9664.2    1559.2    9669.8    1560.0    9674.5    1560.2    9705.7
GR  1560.1    9718.7    1559.9    9740.3    1559.9    9743.4    1559.9    9746.8    1559.8    9753.0
GR  1559.7    9771.4    1560.1    9785.9    1560.1    9798.3    1559.5    9812.4    1559.1    9821.9
GR  1559.9    9846.3    1560.1    9849.5    1560.0    9852.6    1559.7    9879.9    1559.3    9893.2
GR  1559.8    9913.3    1560.0    9924.2    1559.9    9932.5    1559.3    9956.2    1558.4    9962.3
GR  1556.9    9970.5    1556.0    9980.7    1556.0   10000.0    1556.0   10019.9    1556.5   10022.9
GR  1557.8   10031.2    1557.8   10031.8    1557.3   10036.6    1559.2   10048.2    1559.6   10056.5
GR  1559.4   10066.2    1559.3   10071.8    1559.2   10071.9    1556.6   10087.1    1556.6   10089.5
GR  1556.6     10098    1558.0   10105.2    1559.3   10111.7    1559.4   10119.9    1559.3   10140.8
GR  1559.5   10175.4    1559.4   10183.5    1559.3   10188.0    1559.4   10195.1    1560.4   10274.6
GR  1559.8   10315.3    1559.7   10333.5    1559.3   10354.3    1558.8   10365.2    1558.7   10366.1
```

GR	1558.7	10366.6	1559.0	10371.1	1559.3	10376.2	1559.3	10376.8	1559.3	10422.7
GR	1560.5	10475.3	1560.6	10486.0	1560.7	10495.0	1560.2	10524.6	1560.6	10649.9
GR	1560.6	10666.3	1560.6	10671.4	1560.6	10679.6	1560.5	10695.1	1560.4	10730.8
GR	1560.8	10768.3	1560.9	10801.9	1561.6	10838.6	1562.4	10908.0	1562.7	10922.4
GR	1562.7	10924.3	1562.3	10946.6	1562.0	10960.1	1561.3	10976.5	1561.1	10990.9
GR	1562.5	10998.8	1562.9	11003.6	1563.0	11054.5	1563.2	11129.2		
NH	7	.055	9889.1	.09	9903.9	.028	9924.3	.09	9975.5	.028
NH	10019	.09	10031.1	.055	10800.1					
X1	9.481	86	9900.9	10031.1	535	580	560			
GR	1568.7	9386.1	1567.3	9399.3	1566.2	9427.1	1565.7	9442.4	1564.3	9477.4
GR	1563.5	9510.7	1563.3	9512.1	1562.9	9518.9	1563.4	9524.4	1564.0	9536.5
GR	1563.5	9548.0	1563.3	9572.7	1564.0	9581.9	1564.1	9621.6	1564.1	9681.0
GR	1563.7	9701.8	1564.5	9758.8	1564.8	9780.1	1564.8	9782.2	1564.6	9789.1
GR	1564.3	9794.2	1562.7	9864.8	1562.3	9866.9	1560.2	9877.7	1560.0	9887.1
GR	1560.0	9889.1	1562.6	9900.9	1559.9	9903.9	1560.0	9913.3	1560.0	9924.3
GR	1561.0	9928.2	1562.4	9934.3	1562.8	9949.2	1562.0	9974.5	1562.0	9975.1
GR	1561.9	9975.5	1558.8	9984.6	1558.4	10000.0	1558.0	10019	1559.6	10024.5
GR	1562.7	10031.1	1562.7	10049.0	1562.7	10077.2	1561.6	10083.5	1560.0	10087.9
GR	1561.3	10096.5	1563.3	10106.5	1563.3	10113.4	1563.1	10123.6	1562.4	10130.9
GR	1561.8	10136.2	1562.4	10165.2	1562.6	10171.6	1562.9	10189.5	1563.4	10297.1
GR	1563.3	10313.9	1563.3	10316.1	1564.7	10345.2	1564.6	10369.9	1564.4	10381.5
GR	1564.4	10389.6	1565.4	10410.4	1565.9	10417.6	1566.0	10421.7	1566.6	10496.6
GR	1566.6	10502.8	1566.5	10505.0	1565.2	10539.7	1565.8	10549.0	1566.8	10566.5
GR	1566.8	10599.8	1566.8	10616.1	1565.3	10635.2	1565.3	10659.0	1565.3	10659.3
GR	1566.6	10667.8	1566.8	10670.6	1567.0	10676.0	1567.2	10695.6	1567.8	10705.2
GR	1568.0	10717.0	1568.0	10724.3	1568.0	10725.3	1568.1	10728.0	1568.1	10744.9
GR	1568.7	10800.1								
NH	10	.055	9814.3	.09	9824.2	.028	9839.6	.055	9882.5	.09
NH	9987.3	.028	10015.3	.09	10037.4	.028	10057.5	.09	10071.6	.055
NH	10300									
X1	9.585	95	9814.3	10071.6	510	550	550			
GR	1571.1	9333.5	1570.5	9347.0	1570.1	9358.7	1569.6	9379.9	1568.7	9398.1
GR	1568.7	9400.1	1568.8	9403.9	1568.6	9421.7	1568.3	9450.0	1568.1	9462.2
GR	1568.2	9472.0	1568.2	9475.0	1568.1	9479.1	1568.0	9492.7	1567.3	9497.1
GR	1566.7	9499.5	1567.2	9504.2	1567.3	9505.3	1566.9	9517.6	1566.7	9524.2
GR	1567.1	9527.6	1568.0	9534.2	1567.7	9551.1	1567.9	9577.5	1566.6	9587.3
GR	1566.0	9594.2	1568.4	9605.8	1568.4	9607.0	1566.7	9617.4	1567.4	9620.0
GR	1568.2	9623.1	1568.0	9634.0	1567.4	9675.8	1566.5	9679.6	1565.2	9683.0
GR	1565.5	9685.3	1567.2	9693.9	1567.1	9714.1	1566.9	9754.3	1566.1	9765.5
GR	1566.0	9767.5	1566.3	9769.6	1567.3	9776.4	1568.0	9813.0	1568.0	9814.2
GR	1567.9	9814.3	1563.3	9824.2	1563.3	9833.0	1563.4	9834.6	1564.6	9839.6
GR	1566.0	9846.0	1566.3	9858.2	1566.8	9875.2	1566.8	9882.5	1566.3	9920.2
GR	1567.2	9945.1	1567.2	9946.8	1567.3	9948.2	1567.2	9949.9	1565.4	9963.7
GR	1565.3	9964.5	1565.4	9965.7	1566.1	9970.2	1566.0	9974.5	1565.7	9984.6
GR	1564.9	9987.3	1563.5	9997.6	1562.9	10000.0	1562.7	10009.9	1562.7	10015.2
GR	1563.5	10015.3	1564.7	10023.7	1564.7	10024.3	1564.0	10037.4	1563.2	10040.2
GR	1562.8	10041.1	1562.7	10041.2	1562.7	10042.0	1562.0	10057.2	1562.1	10057.5
GR	1564.6	10065.4	1566.7	10071.6	1566.7	10071.8	1566.7	10075.4	1566.0	10134.8
GR	1565.6	10140.2	1565.2	10141.6	1565.4	10142.9	1566.4	10146.5	1567.1	10200.4
GR	1567.2	10211.1	1567.6	10220.0	1568.7	10259.0	1568.8	10264.1	1570.7	10300

```
NH       5      .055     9945.1      .09     9995.1      .028    10037.2      .09    10048.2      .055
NH   10636
X1    9.691        94     9945.1  10048.2       460       600       560
GR   1579.0    9298.7     1579.0   9300.5    1578.2    9303.9    1578.0    9307.9    1576.7    9331.6
GR   1576.6    9332.0     1576.4   9332.4    1576.0    9340.9    1574.9    9356.1    1574.1    9394.5
GR   1573.0    9415.9     1572.4   9453.6    1571.9    9514.3    1571.4    9545.8    1570.1    9550.2
GR   1571.4    9550.3     1571.0   9557.1    1571.5    9558.2    1571.2    9563.7    1571.3    9584.2
GR   1570.9    9586.3     1571.5   9591.5    1571.9    9607.8    1572.1    9631.8    1570.0    9638.5
GR   1570.1    9640.1     1571.5   9652.9    1571.6    9656.1    1571.5    9672.4    1570.9    9816.1
GR   1570.9    9818.4     1570.9   9818.4    1570.9    9818.7    1570.4    9826.9    1570.4    9827.9
GR   1570.2    9830.3     1571.1   9840.3    1570.9    9876.0    1571.1    9945.1    1570.7    9974.6
GR   1568.3    9995.1     1567.9   9997.9    1567.9   10000.0    1566.7   10037.2    1570.6   10045.7
GR   1572.0   10048.2     1570.7   10102.0   1570.2   10130.6    1570.5   10138.0    1570.3   10165.2
GR   1570.0   10189.3     1569.4   10191.1   1569.8   10198.7    1570.4   10201.5    1570.0   10211.7
GR   1570.0   10219.7     1569.1   10225.6   1568.7   10229.9    1568.9   10231.2    1569.8   10235.0
GR   1569.8   10244.8     1570.0   10251.6   1569.2   10254.2    1568.7   10258.1    1569.0   10259.2
GR   1570.6   10264.2     1570.6   10267.9   1570.0   10288.7    1569.3   10296.0    1569.3   10296.6
GR   1569.9   10299.5     1569.9   10300.6   1569.9   10307.0    1569.5   10326.7    1569.9   10333.3
GR   1570.1   10336.1     1570.1   10336.3   1570.2   10338.5    1571.1   10349.8    1572.7   10372.6
GR   1572.7   10375.8     1572.7   10383.8   1572.9   10406.8    1571.9   10418.4    1571.0   10429.0
GR   1572.3   10441.2     1572.9   10448.1   1573.3   10470.7    1573.7   10491.2    1574.0   10507.1
GR   1576.8   10545.5     1578.0   10562.7   1577.7   10575.7    1577.8   10636

NH       5      .055     9958.7      .09     9973.9      .028    10034.5      .09    10071.4      .055
NH   10853
     CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
     CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
     GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
     SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
     PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
     THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
     INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
     ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
     WHEN INSPECTED BY A-N WEST IN NOV.,1992.
     THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
     GRADE WITH THE WASH.
X1    9.765        84     9958.7  10071.4       350       350       390
GR   1583.3    9526.3     1583.2   9529.3    1581.2    9558.9    1580.4    9568.1    1575.2    9617.9
GR   1574.7    9625.4     1574.7   9642.0    1573.7    9676.6    1573.2    9696.8    1573.1    9702.8
GR   1572.7    9731.2     1572.1   9741.9    1572.0    9742.7    1572.1    9743.2    1572.7    9747.8
GR   1572.7    9753.8     1573.2   9766.2    1573.1    9771.2    1573.1    9818.1    1573.3    9849.9
GR   1573.3    9863.0     1573.8   9904.3    1573.7    9914.8    1573.9    9924.0    1572.5    9935.2
GR   1571.8    9935.5     1572.0   9940.5    1573.9    9956.8    1574.0    9957.5    1574.0    9958.7
GR   1573.9    9959.1     1570.5   9973.9    1569.1   10000.0    1569.4   10027.4    1569.3   10031.1
GR   1569.0   10034.5     1572.4   10047.3   1572.7   10049.9    1573.2   10071.4    1572.2   10170.0
GR   1572.1   10183.5     1572.1   10197.4   1571.9   10209.2    1571.2   10301.5    1571.3   10311.8
GR   1571.3   10333.4     1571.3   10363.8   1570.9   10370.2    1570.5   10371.7    1571.0   10380.1
GR   1571.3   10380.9     1571.5   10394.2   1572.0   10436.9    1571.8   10439.1    1570.7   10450.1
GR   1570.9   10454.0     1571.3   10461.2   1571.3   10481.6    1571.3   10487.2    1571.3   10488.0
GR   1571.2   10493.9     1571.2   10537.7   1571.4   10538.2    1572.0   10548.0    1571.9   10557.2
GR   1572.0   10575.6     1572.0   10616.2   1572.2   10617.3    1573.1   10634.3    1574.0   10647.3
GR   1574.0   10648.2     1574.2   10656.3   1574.2   10662.9    1574.5   10675.7    1575.7   10723.8
GR   1575.4   10739.6     1576.9   10766.3   1577.1   10773.0    1576.8   10784.6    1576.7   10789.3
```

```
GR   1578.0    10804.0    1578.5    10813.7    1579.2    10829.6    1580.0    10853

NH      5       .055      9921.2      .09      9944.5      .028     10001.6      .09     10037.1      .055
NH  10825
X1   9.783        90      9921.2    10020.9      92.8       92.8       94.8
GR   1580.8    9521.6     1580.1     9536.4     1579.4     9563.6     1578.5    9571.6     1577.1     9582.7
GR   1575.8    9609.3     1575.3     9626.2     1575.0     9638.5     1577.0    9643.7     1577.5     9652.0
GR   1577.0    9654.3     1577.0     9655.4     1576.4     9657.0     1574.7    9661.4     1574.6     9666.7
GR   1574.3    9673.4     1574.0     9683.5     1574.0     9684.3     1573.9    9689.8     1573.3     9724.3
GR   1573.3    9756.9     1573.2     9763.6     1573.3     9765.5     1573.4    9801.9     1574.0     9832.5
GR   1574.7    9916.8     1574.7     9921.2     1574.7     9929.8     1574.2    9938.7     1572.0     9944.5
GR   1572.2    9948.7     1571.8    10000.0     1572.0    10001.5     1572.0   10001.6     1574.2    10010.8
GR   1574.3   10016.5     1574.5    10020.9     1574.1    10037.1     1574.0   10048.6     1573.3    10082.8
GR   1573.3   10098.8     1573.2    10105.1     1572.7    10130.6     1572.8   10131.9     1572.7    10132.9
GR   1572.7   10167.2     1572.7    10168.1     1572.7    10180.3     1572.2   10204.2     1572.0    10238.7
GR   1571.9   10299.0     1571.7    10300.2     1571.8    10301.6     1571.9   10307.6     1572.0    10316.4
GR   1571.9   10366.4     1571.8    10372.5     1571.8    10384.6     1571.8   10412.8     1571.9    10415.1
GR   1571.8   10468.9     1572.0    10476.7     1571.8    10480.1     1571.8   10492.0     1571.8    10496.3
GR   1571.8   10568.4     1571.8    10572.3     1571.8    10574.9     1572.0   10578.5     1572.0    10595.4
GR   1572.0   10622.1     1572.0    10627.2     1572.0    10627.5     1573.8   10647.9     1574.1    10650.5
GR   1574.0   10655.4     1574.0    10655.5     1574.0    10656.6     1575.0   10690.4     1574.7    10701.8
GR   1574.7   10703.3     1575.0    10721.7     1576.9    10746.0     1577.4   10751.4     1577.9    10756.6
GR   1579.3   10774.0     1579.3    10774.2     1579.4    10780.9     1579.0   10804.5     1580.0    10825

NH      5       .055      9981.7      .09      9991.6      .028     10020.6      .09     10033.9      .055
NH  11184
ET              7.1         7.1                                    9724.5    10947.1
X1   9.888        94      9981.7    10033.9       510        580        555
GR   1582.3    9724.5     1581.3     9738.3     1579.1     9766.0     1577.2    9789.5     1577.1     9803.9
GR   1575.9    9877.1     1576.0     9880.7     1576.4     9889.7     1577.3    9961.7     1577.5     9981.7
GR   1575.1    9986.4     1573.2     9991.6     1573.5    10000.0     1574.0   10020.6     1575.5    10026.0
GR   1577.6   10033.9     1577.1    10094.2     1576.9    10110.5     1576.8   10116.5     1576.2    10148.0
GR   1576.0   10150.5     1575.5    10160.3     1575.8    10165.8     1576.0   10167.3     1576.0    10169.8
GR   1575.3   10203.9     1575.3    10204.7     1575.3    10205.9     1576.0   10248.8     1575.9    10254.0
GR   1575.8   10261.2     1575.5    10270.9     1575.4    10285.7     1575.1   10318.2     1575.2    10372.8
GR   1575.2   10391.4     1575.2    10393.8     1574.9    10395.3     1574.0   10399.0     1574.3    10400.9
GR   1575.0   10405.0     1574.7    10442.8     1574.4    10475.6     1573.9   10479.5     1573.4    10482.9
GR   1574.2   10492.8     1574.7    10495.0     1574.7    10498.2     1574.7   10505.3     1574.7    10508.2
GR   1574.7   10527.4     1573.7    10534.9     1573.7    10537.6     1573.7   10538.5     1574.1    10541.9
GR   1574.7   10544.6     1574.7    10557.6     1574.6    10586.2     1574.6   10586.8     1574.7    10593.3
GR   1575.4   10611.1     1576.0    10644.3     1576.1    10650.9     1576.1   10655.8     1576.2    10685.3
GR   1575.9   10697.7     1575.8    10700.2     1576.0    10708.4     1577.2   10732.7     1577.3    10734.6
GR   1578.5   10770.3     1578.6    10774.1     1578.5    10778.8     1577.5   10798.6     1577.6    10810.0
GR   1579.6   10857.6     1579.6    10863.4     1580.3    10884.6     1580.7   10931.5     1581.0    10947.1
GR   1580.9   10968.8     1580.9    10993.4     1580.1    11048.9     1580.0   11051.8     1580.0    11052.5
GR   1579.9   11054.0     1578.0    11091.6     1577.5    11104.7     1577.6   11108.4     1577.6    11110.1
GR   1579.2   11142.5     1579.3    11147.7     1580.0    11157.1     1581.3    11184

NH      5       .055      9965.8      .09      9996.7      .028     10020.6      .09     10133.7      .055
NH  11343
ET              7.1         7.1                                    9839.0    10585.4
```

```
X1    9.997       94    9934.7   10133.7      570       575       575
GR   1585.3   9839.0   1583.9    9854.6   1582.0    9873.3   1581.0   9883.3   1580.8   9885.3
GR   1580.7   9888.5   1581.0    9890.3   1580.8    9898.7   1580.7   9900.6   1582.3   9921.6
GR   1583.0   9931.7   1583.2    9934.7   1583.0    9938.4   1582.7   9965.8   1582.4   9970.1
GR   1581.1   9981.8   1576.2    9996.7   1576.0    9997.2   1576.0   9997.5   1576.2  10000.0
GR   1577.2  10020.6   1577.7   10022.5   1580.4   10027.8   1581.0  10133.7   1581.0  10136.4
GR   1580.1  10231.5   1580.0   10253.9   1579.7   10275.4   1579.3  10332.4   1579.2  10344.4
GR   1578.7  10398.5   1578.7   10412.4   1578.7   10425.2   1578.2  10429.2   1577.8  10434.3
GR   1577.8  10436.9   1578.4   10442.2   1578.0   10444.8   1578.6  10450.7   1582.3  10484.2
GR   1583.2  10501.4   1583.5   10509.3   1583.4   10534.3   1583.4  10540.5   1583.1  10544.8
GR   1582.2  10556.3   1583.8   10585.4   1583.9   10587.1   1583.9  10590.4   1582.7  10634.3
GR   1579.6  10672.4   1578.7   10682.1   1578.6   10687.9   1578.0  10715.5   1578.0  10723.4
GR   1578.0  10819.6   1578.0   10827.3   1578.0   10829.3   1578.0  10832.3   1577.4  10865.7
GR   1577.5  10867.9   1577.8   10870.9   1580.6   10911.2   1580.6  10912.6   1580.7  10913.6
GR   1580.7  10914.0   1580.8   10915.0   1582.0   10947.9   1581.8  10977.3   1581.0  11004.1
GR   1581.5  11049.1   1582.1   11057.0   1582.2   11061.9   1582.0  11070.0   1582.0  11077.5
GR   1580.2  11101.7   1580.0   11103.2   1580.2   11109.8   1580.6  11124.4   1580.3  11127.0
GR   1579.9  11136.6   1580.2   11139.8   1580.7   11150.7   1581.0  11156.4   1581.3  11169.3
GR   1581.3  11169.9   1582.6   11189.0   1582.7   11191.5   1582.6  11192.2   1582.8  11207.6
GR   1583.7  11248.2   1583.3   11281.9   1583.3   11304.4   1582.8     11343

NH         5     .055    9938.7       .09    9986.4      .028   10022.3       .09   10036.9      .055
NH     11220
ET                 7.1       7.1                                 9636.1   10303.5
X1    10.103       94    9938.7   10036.9      560       390       560
GR   1584.8   9636.1   1584.6    9641.9   1584.4    9650.2   1583.7   9702.5   1583.3   9740.6
GR   1583.5   9779.9   1583.2    9788.9   1582.7    9841.7   1582.7   9843.1   1581.8   9850.4
GR   1581.3   9877.1   1581.4    9877.3   1582.0    9887.8   1582.7   9919.1   1582.8   9938.7
GR   1582.7   9959.2   1582.7    9971.0   1581.7    9975.3   1579.6   9986.4   1579.3  10000.0
GR   1579.9  10018.6   1580.0   10022.3   1580.9   10027.4   1582.7  10036.9   1583.5  10097.7
GR   1583.7  10118.3   1582.8   10155.3   1581.9   10193.6   1581.8  10197.3   1581.3  10206.5
GR   1581.3  10229.3   1581.3   10230.0   1581.3   10230.5   1580.0  10239.1   1581.0  10245.5
GR   1582.0    10270   1584.0   10303.5   1583.9   10310.3   1583.2  10337.4   1582.9  10342.0
GR   1581.8  10352.7   1582.7   10361.1   1583.4   10377.0   1583.5  10384.7   1583.8  10392.4
GR   1584.6  10411.9   1585.2   10433.6   1585.3   10435.6   1585.8  10467.0   1585.9  10475.0
GR   1586.0  10479.8   1585.9   10482.8   1585.8   10492.0   1585.5  10519.7   1585.6  10528.8
GR   1586.3  10548.4   1586.2   10581.5   1585.8   10596.1   1584.8  10628.4   1584.7  10635.8
GR   1584.0  10653.9   1583.0   10672.1   1582.8   10691.5   1579.4  10726.1   1579.3  10728.5
GR   1579.3  10804.7   1579.3   10807.0   1579.4   10856.7   1579.3  10896.5   1579.9  10906.5
GR   1580.1  10909.3   1580.5   10913.8   1582.1   10936.1   1583.1  10945.0   1584.4  10953.2
GR   1584.7  10955.0   1584.8   10960.0   1585.0   10980.5   1585.3  10990.7   1585.9  11042.6
GR   1585.9  11048.5   1585.9   11050.9   1586.0   11053.6   1585.9  11058.5   1584.7  11118.3
GR   1584.7  11118.5   1583.4   11129.4   1583.4   11130.3   1583.4  11142.1   1583.4  11143.7
GR   1583.6  11149.6   1583.9   11161.0   1584.0   11165.2   1586.0     11220

NH         7     .055    9988.2       .09   10000.0      .028   10024.0       .09   10107.3      .028
NH     10121       .09   10141.1      .055   11362.8
ET                 7.1       7.1                                 9332.3   10263.3
X1    10.207       95    9988.2   10073.9      500       620       550
GR   1591.3   9332.3   1589.3    9354.5   1588.9    9361.8   1588.0   9390.6   1588.2   9392.1
GR   1588.0   9405.2   1587.7    9420.0   1587.6    9438.3   1587.6   9449.3   1587.3   9460.3
GR   1586.9   9529.6   1586.8    9537.0   1586.6    9550.5   1585.1   9617.9   1585.0   9676.1
GR   1585.0   9708.0   1585.2    9780.9   1585.3    9879.8   1585.9   9914.7   1585.8   9975.2
GR   1585.8   9988.2   1585.2    9990.2   1582.0   10000.0   1582.0  10013.6   1582.0  10020.8
```

```
GR  1582.8   10024.0   1585.7   10033.2   1586.0   10073.9   1586.0   10094.0   1584.5   10107.3
GR  1583.2   10117.6   1583.7     10121   1585.3   10129.5   1585.2   10141.1   1585.3   10175.3
GR  1585.6   10181.9   1586.7   10211.3   1587.1   10244.4   1587.3   10263.3   1587.3   10274.6
GR  1587.0   10291.8   1586.8   10303.9   1586.6   10317.3   1586.2   10334.2   1585.9   10368.6
GR  1585.6   10376.8   1585.5   10407.0   1585.6   10420.1   1585.6   10425.8   1585.7   10433.4
GR  1588.2   10557.7   1588.2   10565.3   1588.7   10602.9   1588.7   10618.7   1589.2   10664.1
GR  1589.2   10672.9   1589.3   10695.1   1589.5   10702.6   1589.4   10707.7   1589.5   10736.2
GR  1588.7   10772.8   1588.7   10774.5   1588.6   10775.6   1587.9   10791.3   1587.9   10799.1
GR  1587.6   10820.7   1587.3   10823.9   1587.0   10829.3   1584.7   10860.5   1584.8   10861.8
GR  1584.8   10863.7   1585.9   10891.6   1584.0   10898.3   1583.6   10914.5   1583.0   10944.6
GR  1582.7   10972.2   1582.7   10980.6   1583.0   11015.2   1583.6   11054.0   1582.8   11091.2
GR  1583.0   11117.2   1583.5   11140.2   1583.6   11149.2   1585.3   11166.0   1588.5   11198.2
GR  1588.7   11200.6   1588.7   11201.0   1588.7   11201.8   1589.9   11270.3   1589.9   11271.1
GR  1589.8   11273.8   1589.9   11278.0   1589.8   11284.3   1589.2   11336.2   1589.7   11362.8

NH        5      .055    9956.8       .09    9968.4      .028   10002.4       .09   10020.1      .055
NH    10648
XI   10.311         70    9956.8   10020.1        550        550        550
GR  1600.2   9119.6   1600.0   9122.9   1600.0   9123.7   1599.1   9126.6   1597.1   9134.8
GR  1594.8   9144.8   1593.7   9151.4   1592.0   9162.3   1591.7   9166.9   1590.9   9239.4
GR  1590.4   9277.5   1590.3   9293.5   1590.0   9311.8   1588.4   9399.2   1588.0   9412.7
GR  1588.1   9415.7   1588.5   9427.1   1588.7   9436.2   1588.7   9473.4   1588.7   9475.3
GR  1588.7   9480.9   1588.5   9487.1   1588.5   9528.9   1588.5   9530.3   1588.3   9566.0
GR  1588.0   9672.4   1588.0   9677.2   1588.2   9730.8   1588.3   9744.5   1588.4   9762.6
GR  1588.4   9803.9   1588.7   9813.7   1588.6   9896.0   1588.6   9902.8   1588.8   9956.8
GR  1587.5   9960.2   1585.0   9968.4   1585.3  10000.0   1585.3  10002.4   1586.6  10009.6
GR  1588.6  10020.1   1588.4  10027.3   1587.8  10055.2   1587.4  10106.0   1587.3  10107.4
GR  1587.3  10138.6   1587.5  10157.8   1587.5  10164.5   1587.5  10180.6   1587.5  10186.7
GR  1587.6  10188.9   1588.7  10235.2   1588.7  10240.4   1588.2  10248.2   1589.2  10263.8
GR  1589.9  10286.0   1590.0  10289.6   1590.0  10290.9   1590.4  10333.3   1590.3  10337.8
GR  1590.6  10346.1   1591.4  10413.4   1592.2  10434.1   1592.6  10444.6   1592.7  10446.2
GR  1595.8  10515.1   1596.3  10526.0   1596.9  10542.8   1597.0  10550.2   1598.4    10648

NH        5      .055    9959.8       .09    9988.5      .028   10009.9       .09   10026.2      .055
NH    10464
XI   10.415         66    9959.8   10026.2        640        540        550
GR  1600.6   9165.8   1596.8   9189.6   1596.0   9196.8   1595.4   9231.9   1595.0   9257.5
GR  1594.2   9319.6   1594.1   9326.1   1593.9   9345.8   1593.8   9359.8   1593.6   9402.8
GR  1593.3   9454.5   1593.2   9461.9   1592.9   9465.4   1592.4   9473.0   1592.8   9476.0
GR  1593.3   9485.2   1593.4   9510.5   1593.3   9515.2   1593.3   9526.8   1593.2   9528.0
GR  1593.3   9537.8   1592.9   9563.5   1592.3   9629.8   1592.7   9663.4   1592.8   9672.7
GR  1592.8   9676.1   1592.7   9683.5   1592.7   9696.7   1592.4   9741.9   1592.5   9808.8
GR  1592.7   9822.1   1592.1   9832.6   1591.8   9860.7   1591.6   9902.5   1591.6   9922.3
GR  1591.8   9941.9   1591.9   9959.8   1591.3   9964.8   1589.3   9973.7   1588.7   9988.5
GR  1588.2  10000.0   1588.0  10009.9   1589.5  10016.2   1592.0  10026.2   1592.0  10043.7
GR  1591.9  10050.9   1591.6  10070.9   1591.0  10118.8   1592.4  10152.7   1592.7  10161.3
GR  1591.5  10193.3   1591.3  10197.3   1591.3  10199.7   1591.3  10212.2   1591.8  10268.1
GR  1592.1  10282.3   1593.4  10300.7   1597.8  10363.6   1597.9  10364.3   1597.5  10368.9
GR  1596.9  10379.6   1595.4  10401.0   1595.2  10404.2   1595.8  10411.1   1598.4  10443.1
GR  1600.4    10464
```

```
NH       7      .055    9898.6      .09    9907.5      .028    9918.5      .09    9960.8      .028
NH   10038       .09   10053.6      .055   10471.6
X1   10.521       70    9898.6   10053.6       520       525       560
GR    1603.2   9291.0    1600.9    9300.6    1599.4    9311.1    1598.9    9323.7    1597.3    9338.6
GR    1597.1   9348.5    1596.3    9378.0    1596.3    9402.2    1596.7    9430.4    1596.4    9456.8
GR    1596.8   9467.9    1596.2    9513.3    1596.0    9545.2    1596.0    9565.4    1596.0    9575.7
GR    1596.0   9595.5    1595.9    9610.9    1595.3    9675.6    1595.3    9682.2    1595.3    9686.6
GR    1595.8   9727.5    1595.9    9751.1    1595.9    9800.0    1595.7    9823.8    1595.3    9836.0
GR    1595.1   9845.6    1594.7    9885.1    1594.9    9898.6    1592.4    9907.5    1592.0    9909.5
GR    1592.1   9910.5    1592.3    9918.5    1593.5    9926.8    1594.2    9930.2    1594.3    9945.7
GR    1594.7   9960.8    1592.7    9965.3    1591.9    9966.9    1592.0   10000.0    1592.0   10021.5
GR    1592.0  10025.2    1592.1     10038    1593.0   10044.0    1594.7   10053.6    1594.4   10075.9
GR    1594.0  10102.5    1594.3   10118.5    1594.7   10133.5    1594.8   10146.1    1594.9   10155.7
GR    1595.1  10192.6    1595.2   10227.4    1595.7   10245.4    1596.4   10267.9    1596.4   10269.1
GR    1596.3  10292.2    1596.3   10292.6    1596.3   10307.0    1596.5   10321.3    1596.9   10348.3
GR    1597.3  10360.9    1597.3   10369.2    1597.8   10377.3    1599.6   10397.0    1600.8   10409.8
GR    1601.1  10412.8    1602.9   10433.1    1603.5   10441.1    1605.1   10456.5    1606.4   10471.6

NH       7      .055    9797.4      .09    9806.8      .028    9822.2      .09    9996.3      .028
NH   10040       .09   10059.3      .055   10400.6
X1   10.606       71    9797.4   10059.3       380       475       450
GR     1602    9320     1601.8    9361.3    1600.1    9385.2    1599.2    9436.8    1599.1    9454.2
GR    1598.8   9460.3    1598.7    9478.3    1598.6    9492.6    1598.3    9555.5    1598.0    9592.7
GR    1597.9   9598.4    1597.7    9601.3    1597.3    9609.6    1597.8    9634.3    1597.9    9636.5
GR    1597.8   9643.4    1597.8    9660.4    1597.8    9660.7    1597.8    9665.0    1597.9    9688.3
GR    1597.9   9691.0    1598.0    9693.8    1598.1    9703.8    1598.2    9768.8    1598.0    9778.7
GR    1598.0   9783.8    1598.0    9788.2    1597.8    9797.4    1596.7    9801.8    1595.0    9806.8
GR    1595.3   9820.5    1595.3    9821.7    1595.4    9822.2    1597.3    9839.5    1597.7    9845.8
GR    1597.5   9853.5    1597.8    9875.7    1598.1    9947.6    1597.3    9967.6    1597.1    9986.5
GR    1594.9   9996.3    1594.0   10000.0    1593.6   10026.5    1593.3     10040    1596.3   10051.1
GR    1596.7  10052.1    1596.7   10059.3    1596.7   10078.1    1597.0   10081.3    1600.0   10105.3
GR    1601.4  10139.3    1601.5   10142.7    1600.8   10155.0    1600.7   10162.3    1600.7   10177.5
GR    1600.6  10190.1    1600.7   10209.4    1600.7   10215.6    1600.7   10217.4    1600.7   10218.0
GR    1600.7  10247.2    1600.5   10252.9    1600.6   10261.8    1601.0   10276.8    1601.1   10295.5
GR    1601.3  10304.0    1601.9   10354.1    1602.0   10364.5    1602.3   10377.1    1603.0   10392.3
GR    1603.3  10400.6

NH       5      .055    9957.9      .09    9975.8      .028   10017.7      .09   10064.7      .055
NH   10539
        PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.
X1   10.681       56    9957.9   10064.7       325       400       395
GR     1606    9400      1604      9435      1602      9470    1600.3      9600    1600.3    9732.0
GR    1600.0   9773.2    1600.0    9812.0    1599.5    9850.6    1599.3    9869.8    1599.3    9871.1
GR    1599.3   9871.6    1599.3    9872.7    1599.3    9875.1    1599.3    9888.5    1599.3    9897.0
GR    1599.4   9898.4    1599.3    9900.4    1599.4    9923.9    1599.4    9925.9    1599.3    9957.6
GR    1599.3   9957.9    1597.1    9972.9    1596.6    9975.8    1596.3   10000.0    1596.0   10000.0
GR    1596.3  10015.7    1596.3   10017.7    1597.3   10029.7    1598.0   10040.6    1599.1   10053.1
GR    1599.5  10064.7    1599.4   10073.7    1599.4   10087.2    1598.7   10112.2    1598.5   10122.6
GR    1599.3  10168.7    1599.3   10174.1    1599.3   10175.5    1599.3   10183.0    1599.9   10207.8
GR    1599.9  10212.6    1598.7   10235.3    1598.7   10235.5    1599.9   10249.6    1600.2   10254.1
GR    1601.4  10295.8    1601.9   10305.3    1602.7   10342.3    1602.7   10342.7    1602.7   10342.8
GR    1602.8  10357.7    1603.3   10408.0    1603.3   10409.2    1604.4   10487.6    1604.7   10510.1
GR    1605.3    10539
```

```
NH       5      .055    9977.3      .09    9993.6      .028   10025.0      .09   10040.0      .055
NH   10619
X1   10.787        59    9977.3   10040.0       510       560       560
GR   1610.8    9682.6    1611.0    9688.4    1610.1    9698.7    1610.1    9700.0    1609.3    9705.0
GR   1609.4    9718.0    1609.8    9726.3    1609.7    9728.3    1608.2    9740.3    1607.4    9746.5
GR   1607.4    9749.0    1607.0    9785.6    1606.6    9798.3    1603.5    9834.8    1603.1    9845.2
GR   1602.7    9851.2    1602.7    9852.8    1602.7    9860.8    1602.7    9868.8    1602.5    9871.3
GR   1602.0    9878.3    1602.5    9884.8    1602.8    9886.4    1603.0    9905.9    1603.6    9977.3
GR   1600.5    9989.8    1599.5    9993.6    1599.5   10000.0    1599.0   10025.0    1600.5   10031.9
GR   1603.6   10040.0    1603.3   10064.8    1604.0   10076.9    1604.0   10109.4    1603.0   10110.9
GR   1601.4   10114.6    1600.0   10115.7    1600.6   10117.7    1602.0   10122.7    1603.3   10126.7
GR   1603.2   10131.4    1603.3   10151.7    1603.3   10189.5    1603.2   10211.0    1603.6   10243.9
GR   1603.3   10284.2    1602.9   10324.8    1604.7   10350.9    1605.6   10365.4    1606.3   10420.0
GR   1606.4   10433.0    1606.7   10451.2    1606.7   10470.7    1606.7   10477.1    1606.7   10481.6
GR   1606.8   10487.4    1608.3   10551.3    1608.6   10563.0    1609.5   10619

NH       5      .055    9983.4      .09    9988.6      .028   10017.0      .09   10030.5      .055
NH   10921
QT       2       3120      3120
         THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
         FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
         THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
         UPSTREAM AT SEC. 12.560.
         THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
         AT SEC. 11.512.
         INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   10.89         75    9983.4   10030.5       550       570       550
GR   1616.2    9693.6    1616.2    9697.2    1616.1    9707.6    1616.0    9710.7    1615.5    9730.6
GR   1610.9    9764.8    1608.9    9777.8    1608.0    9784.6    1607.4    9826.3    1607.3    9827.8
GR   1607.3    9828.5    1607.6    9890.9    1607.8    9904.7    1607.7    9926.5    1607.3    9946.8
GR   1607.4    9952.2    1607.1    9983.4    1604.4    9986.3    1603.0    9988.6    1603.1   10000.0
GR   1603.0   10017.0    1605.4   10024.0    1607.6   10030.5    1607.6   10055.8    1607.8   10084.5
GR   1607.5   10092.2    1606.9   10103.9    1607.1   10120.6    1606.9   10143.4    1606.9   10171.3
GR   1607.5   10182.9    1607.8   10191.3    1607.9   10200.0    1607.7   10260.7    1607.5   10330.8
GR   1607.3   10339.4    1607.1   10340.7    1606.0   10349.9    1606.7   10353.3    1607.3   10360.8
GR   1607.3   10422.2    1607.3   10468.3    1607.1   10470.7    1606.4   10474.8    1606.8   10480.0
GR   1607.3   10483.8    1606.9   10499.6    1606.8   10508.1    1606.4   10510.5    1606.4   10512.2
GR   1606.4   10514.0    1606.9   10517.5    1607.3   10529.2    1607.3   10545.5    1607.1   10566.1
GR   1606.3   10568.4    1605.0   10572.5    1606.0   10578.4    1607.2   10585.0    1607.6   10623.6
GR   1607.5   10645.8    1608.5   10671.0    1609.1   10680.3    1609.1   10684.1    1608.7   10696.9
GR   1608.4   10705.3    1608.7   10721.3    1608.8   10731.6    1609.3   10783.4    1609.9   10807.0
GR   1610.0   10815.3    1610.1   10818.8    1610.3   10830.6    1612.0   10898.7    1613.1    10921

NH       9      .055    9761.8      .09    9772.1      .028    9802.8      .09    9819.4      .055
NH  9945.0       .09    9956.1      .028  10000.0       .09   10036.3      .055  11072.9
QT       2        756       756
ET                7.1       7.1                                9903.3   10127.3
X1   10.996        89    9945.0   10036.3       560       555       555
GR   1619.1    9852.6    1618.7    9670.0    1616.0    9687.6    1615.1    9693.9    1615.7    9696.1
GR   1616.3    9699.6    1616.7    9709.0    1617.8    9717.3    1618.8    9728.3    1619.7    9737.0
GR   1619.6    9743.6    1619.3    9748.3    1618.4    9751.4    1612.3    9761.8    1608.3    9770.0
GR   1606.0    9772.1    1606.0    9774.8    1605.4    9802.8    1606.6    9807.7    1609.5    9819.4
GR   1610.5    9881.8    1610.5    9903.3    1610.0    9945.0    1609.4    9946.5    1606.6    9956.1
```

GR	1606.4	9970.0	1607.3	10000.0	1609.4	10012.8	1610.2	10016.4	1610.8	10036.3
GR	1610.9	10066.3	1611.3	10127.3	1611.3	10145.7	1611.3	10150.2	1610.7	10152.2
GR	1610.0	10154.5	1611.2	10166.1	1611.3	10168.1	1611.4	10214.1	1611.4	10233.2
GR	1611.9	10327.5	1611.9	10343.4	1611.9	10350.6	1611.8	10366.9	1611.9	10429.8
GR	1612.7	10454.9	1612.7	10468.2	1612.7	10479.8	1612.7	10505.4	1612.4	10508.3
GR	1610.7	10514.5	1610.0	10516.3	1612.0	10527.6	1612.0	10527.7	1612.0	10527.8
GR	1612.0	10527.8	1612.0	10527.9	1612.0	10545.2	1612.0	10577.6	1613.2	10653.6
GR	1613.2	10658.0	1613.3	10726.8	1613.3	10730.9	1613.3	10731.3	1613.3	10733.7
GR	1612.7	10775.3	1613.1	10785.1	1614.5	10807.8	1613.5	10827.2	1613.3	10832.0
GR	1611.4	10845.2	1610.7	10850.4	1610.7	10859.1	1610.7	10868.0	1610.8	10868.8
GR	1611.8	10876.5	1612.1	10908.3	1612.0	10918.8	1610.7	10922.5	1610.7	10922.6
GR	1610.7	10923.7	1611.3	10935.2	1611.4	10936.8	1612.1	10988.1	1612.3	11006.8
GR	1612.5	11026.5	1613.2	11054.5	1613.3	11062.0	1614.2	11072.9		
NH	9	.055	9579.5	.09	9589.0	.028	9601.6	.09	9617.9	.055
NH	9972.0	.09	9983.6	.028	10004.0	.09	10064.6	.055	11192.9	
ET		7.1	7.1				9825.0	10064.6		
XI	11.101	79	9944.8	10064.6	740	350	555			
GR	1620.7	9549.3	1620.3	9551.3	1614.3	9577.8	1614.0	9579.5	1611.1	9585.2
GR	1608.2	9589.0	1608.0	9593.4	1608.4	9601.6	1611.7	9609.9	1614.5	9617.9
GR	1613.4	9669.6	1613.3	9678.0	1613.3	9683.1	1613.8	9716.0	1614.0	9768.8
GR	1614.0	9793.8	1615.4	9822.3	1615.5	9825.0	1612.8	9872.4	1612.7	9879.0
GR	1612.9	9895.1	1612.9	9908.5	1612.9	9917.8	1612.3	9926.0	1612.0	9944.8
GR	1611.0	9972.0	1610.8	9976.4	1610.6	9981.9	1610.6	9983.6	1609.6	10004.0
GR	1610.7	10046.3	1614.6	10064.6	1614.5	10090.1	1614.2	10180.0	1614.3	10193.5
GR	1614.0	10262.2	1613.6	10270.7	1613.5	10321.6	1613.3	10328.2	1613.2	10329.8
GR	1613.3	10335.8	1614.0	10342.1	1614.0	10418.5	1614.0	10423.5	1613.8	10424.4
GR	1613.0	10428.4	1612.0	10433.4	1614.0	10441.4	1614.0	10441.5	1614.0	10442.0
GR	1613.3	10505.3	1612.6	10513.2	1612.0	10517.2	1612.9	10522.7	1613.3	10524.1
GR	1613.9	10562.7	1614.0	10569.1	1613.3	10572.5	1612.6	10575.2	1613.0	10583.3
GR	1613.4	10594.1	1614.0	10610.9	1614.0	10616.2	1614.7	10641.4	1616.0	10699.0
GR	1616.2	10703.8	1616.1	10742.7	1614.1	10865.9	1614.0	10870.5	1613.9	10874.1
GR	1612.7	10914.8	1612.7	10921.8	1613.6	10984.7	1615.1	11044.1	1615.3	11074.1
GR	1615.8	11088.5	1618.8	11148.9	1620.1	11184.7	1620.1	11192.9		
NH	9	.055	9402.4	.09	9418.2	.028	9434.8	.09	9458.3	.055
NH	9968.5	.09	9981.9	.028	10002.3	.09	10012.9	.055	10705.8	
ET		7.1	7.1				9639.4	10143.8		
XI	11.205	90	9968.5	10095.6	500	555	550			
GR	1620	9160	1617.5	9258.2	1616.3	9321.7	1616.4	9331.0	1616.4	9335.8
GR	1616.5	9344.1	1615.8	9371.0	1614.6	9376.8	1615.2	9381.5	1616.0	9389.0
GR	1616.4	9402.4	1616.7	9410.3	1615.5	9412.2	1612.8	9418.2	1611.3	9420.9
GR	1611.0	9424.6	1610.3	9429.5	1613.8	9434.8	1617.7	9439.8	1617.0	9447.0
GR	1616.5	9458.3	1616.3	9464.7	1615.6	9471.5	1615.3	9474.0	1615.8	9478.6
GR	1616.7	9487.8	1616.7	9490.0	1616.7	9490.4	1616.8	9491.8	1617.6	9509.6
GR	1618.0	9517.8	1618.7	9635.3	1618.8	9637.9	1618.8	9639.2	1618.8	9639.4
GR	1618.7	9646.0	1618.0	9707.6	1617.4	9714.0	1617.3	9714.7	1617.8	9719.3
GR	1617.8	9724.0	1618.6	9756.5	1617.7	9760.8	1616.5	9766.5	1617.4	9772.6
GR	1618.2	9781.4	1618.0	9815.4	1618.0	9860.6	1618.0	9880.0	1618.0	9884.9
GR	1617.5	9886.4	1614.7	9894.3	1616.5	9900.6	1618.7	9908.9	1618.2	9950.8
GR	1618.1	9964.3	1618.0	9968.5	1617.4	9969.5	1614.3	9981.9	1614.6	10000.0
GR	1614.7	10001.6	1615.0	10002.3	1618.0	10012.9	1618.0	10095.6	1618.2	10143.8
GR	1617.7	10147.8	1617.3	10155.8	1618.3	10161.5	1618.8	10164.4	1618.6	10176.5
GR	1618.3	10233.2	1618.4	10258.7	1618.4	10292.9	1616.7	10296.7	1616.7	10296.8

```
GR  1616.7  10297.5  1616.9  10307.9  1616.8  10316.1  1616.7  10317.5  1617.4  10335.4
GR  1617.3  10336.2  1616.0  10346.0  1616.0  10346.3  1616.0  10346.4  1616.0  10346.4
GR  1618.0  10348.2  1618.2  10454.1  1617.8  10578.2  1618.2  10627.4  1620.1  10705.8

NH     9     .055  9498.9     .09  9514.3     .028  9523.3     .09  9532.7     .055
NH  9989.5     .09 10000.0     .028 10028.0     .09  10045.9     .055 10777.0
ET             7.1   7.1                            9827.9  10045.9
X1  11.309     95  9989.5  10045.9     680     550     550
GR  1626.2  8819.5  1624.0  8842.5  1622.7  8934.3  1622.7  8949.7  1622.3  8954.8
GR  1622.4  9022.1  1622.1  9032.5  1620.5  9065.9  1620.3  9069.3  1620.0  9075.2
GR  1620.0  9137.5  1620.0  9155.5  1620.4  9165.8  1620.7  9173.1  1616.3  9182.2
GR  1615.2  9184.5  1615.1  9185.0  1619.9  9195.1  1620.7  9197.2  1620.7  9198.5
GR  1620.0  9200.4  1615.6  9210.3  1617.3  9215.2  1620.9  9228.8  1620.7  9235.1
GR  1622.0  9384.3  1622.0  9437.1  1621.5  9454.7  1621.4  9460.3  1621.3  9471.7
GR  1621.3  9476.9  1621.7  9498.9  1620.4  9504.2  1616.0  9514.3  1616.1  9519.5
GR  1616.4  9523.3  1619.7  9528.2  1621.5  9532.7  1621.5  9587.5  1621.7  9621.7
GR  1621.2  9684.2  1621.2  9699.7  1621.3  9701.0  1621.7  9711.8  1622.0  9756.6
GR  1621.3  9800.8  1621.3  9801.3  1620.0  9811.5  1620.3  9816.7  1622.4  9827.9
GR  1622.0  9877.9  1622.0  9879.9  1621.9  9880.4  1621.3  9893.5  1621.3  9893.5
GR  1621.5  9921.4  1622.0  9989.5  1621.9  9989.7  1618.0  10000.0 1618.0  10018.3
GR  1618.0  10028.0 1621.5  10043.5 1622.7  10045.9 1622.3  10074.3 1621.8  10114.1
GR  1622.0  10151.7 1622.9  10188.8 1620.8  10196.0 1620.3  10198.8 1620.8  10201.1
GR  1622.2  10209.2 1622.2  10231.9 1622.4  10280.2 1621.7  10326.8 1622.0  10414.5
GR  1621.8  10416.0 1620.8  10422.5 1621.3  10428.0 1621.3  10428.5 1621.3  10432.2
GR  1621.2  10481.3 1621.5  10511.0 1620.7  10516.7 1619.9  10521.4 1620.6  10528.1
GR  1621.6  10533.0 1622.6  10600.0 1622.7  10614.1 1622.7  10631.3 1623.3  10635.8
GR  1624.2  10654.5 1625.2  10664.5 1625.5  10669.5 1627.7  10722.4 1630.6  10777.0

NH    10     .055  9679.9     .09  9690.8     .028  9704.4     .09  9719.3     .055
NH  9971.8     .09  9982.0     .055 9996.7     .028  10013.2     .09 10032.1     .055
NH  10857
ET             7.1   7.1                            9760.6  10082.3
X1  11.405     80  9971.8  10032.1     700     350     505
GR  1631.9  9525.2  1631.9  9528.7  1632.0  9531.7  1631.5  9534.8  1628.6  9556.7
GR  1628.2  9560.7  1625.4  9602.4  1624.7  9606.7  1624.7  9614.7  1624.6  9617.8
GR  1624.5  9617.9  1622.7  9624.5  1624.8  9630.9  1625.3  9632.7  1626.0  9677.1
GR  1626.0  9677.8  1626.0  9678.2  1625.5  9679.9  1621.9  9690.8  1621.7  9692.8
GR  1622.0  9702.4  1622.0  9704.4  1624.3  9711.5  1626.6  9719.3  1626.6  9760.6
GR  1626.3  9881.7  1626.3  9902.0  1626.2  9922.5  1626.0  9941.5  1625.4  9948.2
GR  1625.8  9961.5  1625.8  9971.8  1623.1  9982.0  1620.7  9990.4  1620.7  9990.4
GR  1623.4  9996.3  1620.8  9996.7  1620.8  10000.0 1621.0  10005.4 1621.2  10013.2
GR  1622.0  10015.6 1622.7  10018.3 1625.5  10026.5 1625.6  10032.1 1625.8  10082.3
GR  1625.8  10101.0 1625.8  10104.2 1626.0  10111.7 1625.7  10163.3 1626.6  10213.6
GR  1626.8  10220.2 1626.8  10220.7 1626.6  10224.9 1626.5  10232.7 1624.7  10362.2
GR  1624.6  10386.1 1624.3  10388.0 1623.3  10390.0 1623.5  10392.5 1624.0  10400.4
GR  1624.6  10416.6 1624.7  10418.2 1624.6  10419.0 1623.3  10428.2 1624.4  10434.8
GR  1624.8  10439.6 1623.9  10489.2 1623.7  10541.0 1623.7  10548.0 1623.7  10553.8
GR  1626.0  10683.1 1626.0  10686.7 1626.0  10697.4 1626.2  10721.8 1627.5  10743.9
GR  1628.3  10795.8 1628.4  10801.6 1628.8  10812.1 1628.9  10815.3 1632.0  10857
```

```
NH      13      .055    9802.4      .09     9825.3      .028    9841.2      .09     9856.2      .055
NH    9895.5      .09    9926.8      .028    9940.3      .09     9954.9      .055    9988.0      .09
NH    9996.8      .028   10016.4     .09     10024.7     .055    10753.5
ET              7.1       7.1                                   9895.5    10174.0
      DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.
      THIS WAS CONSIDERED UPSTREAM LIMIT OF EAST (LT. SIDE) BREAKOUT
      OF FLOW WHICH RETURNS AT SEC, 10.89.BREAKOUT TO EAST SIDE WAS BASED ON
      LEFT OVERBANK FLOW DISTRIBUTION FROM PRVIOUS RUN.
      THE FLOW WAS CONSIDERED CAPABLE OF SHIFTING FLOW DISTRIBUTIONS TO
      MAINTAIN RELATIVLY EQUAL WATER SURF.ELV. ACROSS CROSS-SECTION UPSTREAM
      OF SEC. 11.512 TO SECTION 11.95.
X1    11.512        95    9895.5    10055.5       510       600       565
GR    1635.3    9226.0    1631.3     9322.4    1630.2    9359.3    1630.1    9364.3    1630.1    9382.7
GR    1630.4    9394.6    1629.6     9408.9    1629.5    9412.6    1629.3    9420.2    1628.3    9458.4
GR    1628.3    9469.0    1628.1     9480.1    1627.6    9508.8    1627.1    9512.2    1626.7    9517.2
GR    1627.2    9519.6    1627.6     9521.7    1628.8    9553.7    1628.8    9562.7    1628.3    9577.4
GR    1628.0    9594.2    1627.3     9612.3    1627.3    9613.4    1626.0    9633.1    1624.1    9638.0
GR    1624.9    9642.5    1625.3     9644.7    1625.4    9644.9    1625.4    9649.4    1625.9    9674.8
GR    1625.9    9676.2    1625.9     9677.7    1624.7    9684.9    1626.6    9689.3    1626.7    9689.6
GR    1626.7    9696.6    1626.8     9697.4    1628.0    9725.6    1628.1    9734.0    1628.7    9760.5
GR    1628.7    9786.7    1628.5     9795.7    1628.2    9802.4    1627.3    9818.9    1626.6    9825.3
GR    1625.7    9829.9    1626.1     9836.3    1626.4    9841.2    1627.1    9846.9    1628.3    9856.2
GR    1628.7    9872.8    1628.7     9895.5    1628.4    9914.8    1628.0    9923.8    1626.8    9925.0
GR    1626.0    9926.8    1626.0     9927.5    1626.0    9931.4    1626.0    9934.9    1625.6    9940.3
GR    1626.8    9944.4    1627.3     9946.6    1627.3    9954.9    1627.0    9978.4    1627.0    9988.0
GR    1626.0    9994.1    1625.3     9996.8    1625.1    10000.0   1625.0    10015.4   1625.1    10016.4
GR    1625.3   10017.5    1625.7    10020.8    1626.3    10024.7   1627.4    10038.2   1628.3    10050.7
GR    1629.0   10055.5    1629.0    10056.8    1629.6    10105.9   1630.1    10174.0   1629.3    10235.7
GR    1628.9   10262.4    1629.2    10293.1    1629.2    10313.4   1629.1    10360.8   1629.0    10392.7
GR    1628.7   10396.2    1628.7    10400.7    1629.3    10403.2   1630.0    10415.6   1629.9    10438.2
GR    1630.3   10565.2    1630.8    10598.6    1632.7    10665.8   1633.3    10697.5   1635.1    10753.5

NH       9      .055    9869.1      .09     9885.9      .028    9905.2      .09     9917.5      .055
NH    9973.1      .09    9988.3      .028    10001.9     .09     10012.3     .055    10790.7
QT       2     1585      1585
ET              7.1       7.1                                   9544.8    10054.3
X1    11.578        95    9869.1    10012.3       380       250       350
GR    1635.3    9154.6    1634.8     9193.6    1634.5    9201.3    1633.5    9242.2    1633.3    9279.5
GR    1632.0    9383.4    1632.2     9392.6    1632.7    9410.4    1632.7    9420.1    1632.7    9424.7
GR    1632.7    9426.0    1633.3     9434.8    1633.3    9441.2    1633.4    9443.4    1634.4    9475.7
GR    1634.4    9544.8    1631.8     9608.8    1630.9    9622.4    1628.5    9632.5    1630.0    9640.7
GR    1630.0    9640.8    1630.0     9641.0    1629.9    9641.5    1629.2    9643.4    1629.4    9645.4
GR    1628.5    9648.7    1628.0     9651.2    1629.3    9658.5    1630.0    9660.3    1629.7    9663.0
GR    1629.3    9669.4    1629.9     9678.4    1630.0    9679.8    1630.2    9683.7    1630.6    9693.9
GR    1631.2    9708.3    1630.9     9710.6    1630.6    9712.5    1628.0    9720.1    1629.3    9724.9
GR    1630.7    9730.1    1631.3     9754.3    1631.2    9755.5    1631.1    9756.5    1630.0    9761.5
GR    1630.0    9768.4    1630.0     9770.0    1630.1    9775.2    1630.4    9789.5    1632.0    9858.3
GR    1632.0    9869.1    1631.7     9871.5    1629.3    9885.9    1628.9    9899.0    1628.8    9905.2
GR    1631.6    9915.3    1631.9     9917.5    1631.6    9951.4    1631.3    9973.1    1631.1    9974.3
GR    1626.7    9988.3    1627.3    10000.0    1627.3    10001.0   1627.5    10001.9   1630.8    10012.3
GR    1630.7   10034.8    1630.7    10035.3    1630.7    10035.5   1630.7    10045.0   1631.2    10054.3
GR    1630.7   10257.8    1632.0    10401.0    1632.0    10403.4   1631.8    10403.7   1630.6    10411.9
GR    1631.7   10416.3    1632.2    10418.8    1632.0    10457.2   1631.7    10477.6   1631.9    10484.1
```

GR	1632.5	10508.9	1631.3	10514.9	1631.3	10515.3	1631.4	10517.4	1631.9	10535.4
GR	1632.0	10539.4	1632.0	10540.5	1632.9	10601.3	1633.1	10627.2	1633.6	10659.2
GR	1633.8	10682.2	1633.9	10710.5	1634.0	10728.7	1636.8	10784.4	1636.2	10790.7
NH	7	.055	9911.3	.09	9932.4	.028	9953.7	.09	9978.2	.028
NH	10024	.09	10038.5	.055	10581.1					
ET		7.1	7.1				9419.9	10581.1		
X1	11.642	95	9911.3	10038.5	285	440	340			
GR	1639.9	8964.7	1638.7	8993.1	1638.3	8998.3	1637.7	9023.5	1636.5	9077.2
GR	1636.0	9111.5	1635.3	9142.5	1635.3	9145.9	1635.2	9150.6	1635.4	9187.3
GR	1635.0	9218.9	1634.1	9252.4	1634.0	9255.7	1634.0	9256.4	1635.1	9275.5
GR	1635.1	9283.7	1634.9	9290.2	1634.7	9295.7	1635.4	9299.5	1636.0	9319.4
GR	1636.8	9346.7	1637.0	9352.0	1637.2	9357.7	1637.6	9388.4	1638.1	9419.0
GR	1638.1	9419.9	1637.8	9436.8	1637.0	9493.7	1636.3	9516.2	1636.0	9528.4
GR	1635.5	9555.9	1635.1	9572.1	1635.0	9579.6	1634.1	9597.7	1632.2	9627.7
GR	1632.0	9647.9	1632.0	9647.9	1632.0	9648.1	1632.0	9653.7	1632.3	9671.6
GR	1630.8	9676.3	1629.3	9678.9	1630.4	9682.5	1632.0	9684.7	1632.0	9690.8
GR	1631.6	9694.3	1632.0	9699.4	1632.7	9702.2	1632.7	9706.8	1632.7	9711.0
GR	1630.5	9716.2	1630.0	9717.8	1631.4	9722.8	1632.4	9726.9	1632.7	9728.4
GR	1632.6	9730.3	1632.0	9742.0	1632.4	9747.0	1633.3	9759.5	1633.3	9813.0
GR	1633.3	9911.3	1631.8	9927.3	1630.7	9932.4	1630.4	9939.8	1631.1	9953.7
GR	1631.1	9962.0	1631.1	9972.7	1630.5	9978.2	1630.0	9983.1	1629.7	10000.0
GR	1628.9	10012.0	1629.6	10024	1632.8	10036.4	1633.2	10038.5	1633.1	10073.8
GR	1633.1	10093.3	1633.2	10097.7	1633.3	10105.7	1633.5	10121.0	1634.0	10136.1
GR	1634.6	10148.0	1636.1	10176.5	1637.8	10206.5	1638.0	10234.4	1638.0	10314.5
GR	1637.9	10319.4	1637.9	10319.8	1636.2	10371.8	1636.0	10415.2	1635.5	10444.5
GR	1635.4	10445.7	1635.5	10462.0	1635.4	10472.0	1636.0	10495.4	1637.3	10581.1
NH	7	.055	9987.0	.09	9998.8	.028	10011.0	.09	10050.2	.028
NH	10116	.09	10137.3	.055	10430.0					
ET		7.1	7.1				9435.5	10200.0		
X1	11.717	95	9987.0	10137.3	340	410	395			
GR	1642.0	9033.2	1641.9	9035.2	1641.9	9037.2	1641.2	9058.4	1638.8	9127.3
GR	1638.7	9262.2	1638.7	9263.6	1640.4	9328.8	1640.7	9352.2	1640.7	9373.6
GR	1641.1	9386.6	1640.9	9394.2	1640.7	9407.4	1640.9	9415.1	1641.1	9422.5
GR	1640.2	9435.5	1639.3	9449.1	1639.4	9462.8	1639.5	9480.0	1640.2	9491.0
GR	1640.2	9496.1	1639.6	9510.0	1639.3	9523.0	1639.2	9533.1	1638.2	9597.7
GR	1637.4	9617.5	1635.3	9648.4	1635.3	9657.0	1635.3	9688.9	1633.7	9693.2
GR	1633.3	9694.2	1634.0	9696.9	1635.3	9702.9	1635.3	9710.0	1635.3	9711.0
GR	1635.3	9711.3	1634.8	9713.1	1632.7	9719.6	1634.8	9725.7	1635.8	9729.5
GR	1635.1	9739.9	1634.7	9745.1	1634.8	9748.1	1635.3	9762.4	1635.3	9772.0
GR	1635.3	9783.1	1634.8	9785.2	1633.7	9787.1	1634.6	9792.3	1635.5	9798.0
GR	1634.9	9805.6	1634.7	9807.9	1634.7	9813.1	1634.6	9815.3	1634.8	9816.8
GR	1635.3	9823.5	1635.4	9849.6	1635.4	9877.0	1635.7	9910.0	1636.0	9933.0
GR	1636.4	9987.0	1633.2	9997.5	1632.7	9998.8	1632.8	10000.0	1633.0	10011.0
GR	1634.7	10019.5	1635.5	10022.9	1636.3	10033.7	1637.0	10041.3	1635.6	10045.3
GR	1633.6	10050.2	1633.6	10089.1	1633.8	10102.9	1633.8	10111.6	1633.3	10116
GR	1634.9	10128.2	1635.0	10128.9	1636.0	10137.3	1636.0	10189.2	1636.1	10200.0
GR	1635.7	10200.5	1634.7	10207.8	1635.0	10213.1	1635.3	10218.8	1635.4	10223.9
GR	1635.6	10230.5	1635.9	10247.8	1636.5	10272.2	1636.9	10285.4	1637.2	10301.4
GR	1640.1	10373.9	1640.4	10387.2	1640.5	10392.1	1640.9	10405.3	1641.7	10430.0

NH	9	.055	9985.9	.09	10000.0	.028	10015.7	.09	10025.2	.055
NH	10178	.09	10194.3	.028	10211.2	.09	10230.6	.055	10709.2	
ET		7.1	7.1				9507.6	10230.6		
	DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.									
X1	11.776	95	9985.9	10230.6	260	360	310			
GR	1642.3	9050.9	1641.7	9076.4	1640.3	9130.3	1639.1	9150.6	1638.5	9162.7
GR	1640.2	9227.5	1640.0	9295.9	1640.0	9299.8	1640.0	9322.8	1641.9	9376.3
GR	1643.4	9507.6	1642.7	9528.7	1641.1	9567.3	1640.1	9583.8	1637.9	9635.9
GR	1637.3	9650.6	1637.1	9666.7	1636.2	9694.8	1636.1	9700.0	1636.0	9700.6
GR	1636.7	9704.0	1637.3	9708.9	1637.3	9722.0	1637.0	9731.0	1635.2	9738.0
GR	1634.7	9739.5	1635.2	9741.1	1637.8	9749.3	1637.6	9790.3	1637.3	9799.4
GR	1637.4	9800.0	1637.1	9803.6	1635.4	9812.2	1635.5	9814.0	1637.3	9827.1
GR	1637.5	9883.5	1637.8	9908.2	1637.7	9927.1	1637.4	9968.5	1637.4	9985.9
GR	1637.3	9986.2	1636.8	9995.9	1636.7	9997.0	1636.7	9997.2	1636.6	9997.5
GR	1635.3	10000.0	1634.7	10014.5	1634.7	10015.5	1634.6	10015.7	1635.2	10017.2
GR	1637.4	10024.2	1638.1	10025.2	1638.0	10029.4	1638.0	10033.5	1638.2	10035.1
GR	1639.1	10039.8	1639.2	10041.6	1637.7	10046.7	1637.9	10081.0	1637.3	10107.4
GR	1637.3	10108.0	1637.3	10125.9	1637.1	10130.5	1637.1	10152.7	1638.5	10174.0
GR	1638.7	10178.0	1637.7	10182.2	1634.7	10194.3	1634.7	10198.8	1634.7	10211.2
GR	1636.3	10217.8	1638.7	10230.6	1638.4	10271.2	1638.5	10311.6	1638.1	10314.3
GR	1637.3	10324.4	1637.6	10328.1	1638.2	10332.5	1639.2	10411.3	1639.3	10428.1
GR	1639.7	10435.7	1640.0	10445.9	1640.6	10454.9	1640.7	10459.2	1641.4	10496.4
GR	1641.8	10523.7	1641.9	10527.9	1642.1	10539.4	1642.7	10577.5	1643.1	10583.5
GR	1643.0	10597.6	1643.3	10620.9	1644.9	10676.5	1644.9	10687.7	1645.0	10709.2
NH	13	.055	9982.5	.09	9991.6	.028	10007.7	.09	10019.4	.055
NH	10302	.09	10308.6	.028	10313.1	.09	10346.8	.028	10353.5	.09
NH	10373	.028	10387.3	.09	10400.0	.055	10769.8			
ET		7.1	7.1				9619.5	10769.8		
X1	11.885	95	9982.5	10443.5	575	470	575			
GR	1646.4	9138.4	1645.7	9194.7	1645.5	9206.0	1644.3	9285.8	1643.2	9382.4
GR	1643.2	9401.9	1642.7	9475.9	1642.9	9483.6	1643.8	9538.7	1645.1	9612.3
GR	1645.2	9617.1	1645.2	9618.8	1645.3	9619.5	1645.2	9624.3	1642.3	9704.4
GR	1641.5	9717.2	1641.3	9720.9	1641.3	9721.1	1641.3	9721.2	1641.3	9725.8
GR	1641.3	9727.9	1641.1	9739.2	1640.3	9740.5	1639.3	9744.5	1641.4	9750.9
GR	1641.7	9753.1	1641.6	9762.9	1641.4	9767.3	1640.9	9769.2	1639.0	9776.0
GR	1641.6	9781.8	1641.9	9783.4	1642.0	9785.2	1641.5	9786.1	1638.7	9791.1
GR	1641.2	9798.4	1641.3	9798.8	1641.6	9825.3	1642.0	9858.9	1642.0	9860.0
GR	1642.1	9860.9	1642.0	9863.9	1642.1	9894.5	1642.0	9926.1	1642.0	9954.1
GR	1641.8	9982.5	1639.4	9991.6	1638.7	9993.7	1638.9	10000.0	1639.3	10007.7
GR	1640.7	10012.8	1642.2	10019.4	1642.1	10064.7	1642.1	10141.6	1642.6	10156.1
GR	1642.6	10208.3	1642.0	10231.6	1641.7	10232.3	1640.0	10239.5	1640.1	10240.1
GR	1641.3	10248.6	1641.6	10273.9	1641.7	10302	1639.6	10308.6	1638.4	10313.1
GR	1640.1	10318.1	1642.3	10325.8	1638.3	10346.8	1638.1	10348.3	1638.6	10350.2
GR	1639.2	10353.5	1641.3	10362.8	1639.3	10373	1637.3	10378.8	1638.7	10387.3
GR	1640.7	10400.0	1641.6	10431.2	1641.9	10443.5	1641.3	10445.5	1640.7	10452.4
GR	1640.7	10452.7	1641.9	10466.0	1641.9	10478.2	1642.7	10521.2	1643.2	10557.7
GR	1643.3	10562.4	1643.3	10565.5	1643.2	10575.4	1643.1	10657.8	1643.3	10663.8
GR	1643.7	10685.3	1644.6	10717.0	1644.6	10733.5	1645.5	10749.5	1646.0	10769.8

```
NH      15      .055    9994.4      .09    10000.0      .028    10022.4      .09    10036.2      .055
NH   10335       .09   10341.4     .028    10346.6       .09    10357.4     .028    10361.8       .09
NH   10413      .028   10415.3      .09    10464.5      .028    10488.7      .09    10493.7      .055
NH   10967
      SECTION NO. 11.954 WAS SHORTENED TO 11.95 TO ALLOW REPEATING FOR
      ANALYSIS OF BREAKOUT ON EAST SIDE FROM SEC. 12.043 TO SEC. 12.179,
      WHERE WEIR FLOW INTO EAST (LT. SIDE) OVERBANK WAS COMPUTED FROM MAIN
      CHANNEL.
X1   11.95        90    9973.9   10582.5       390       320       365
GR  1651.4    9445.0    1649.8    9508.6    1650.0    9511.0    1649.2    9533.8    1648.7    9553.1
GR  1648.0    9569.9    1647.4    9595.0    1647.5    9619.9    1647.0    9640.2    1644.8    9665.7
GR  1644.7    9669.2    1644.6    9669.4    1644.7    9790.2    1644.9    9792.8    1645.3    9800.3
GR  1645.1    9805.4    1645.1    9815.0    1645.3    9822.3    1645.3    9822.4    1645.3    9824.1
GR  1644.3    9827.4    1643.4    9829.6    1644.9    9836.3    1645.3    9837.7    1644.7    9917.6
GR  1644.9    9934.5    1645.2    9948.3    1645.3    9950.5    1645.3    9950.8    1646.6    9965.1
GR  1646.6    9973.9    1646.0    9994.4    1644.2    9999.2    1643.9   10000.0    1643.9   10018.0
GR  1644.0   10022.4    1644.7   10025.5    1646.9   10036.2    1646.6   10069.4    1645.3   10167.8
GR  1645.3   10176.5    1645.1   10264.5    1645.3   10276.6    1644.1   10289.5    1644.0   10290.0
GR  1644.0   10290.4    1645.2   10295.9    1645.3   10312.9    1645.5     10335    1643.7   10341.4
GR  1642.5   10345.1    1642.7   10346.6    1644.2   10351.9    1642.7   10357.4    1643.6   10361.8
GR  1644.7   10368.6    1645.8   10395.7    1646.0   10398.8    1645.7   10399.6    1641.5     10413
GR  1642.5   10415.3    1646.0   10424.6    1646.0   10451.8    1646.0   10453.8    1645.8   10454.4
GR  1642.3   10464.5    1643.1   10471.8    1643.3   10474.6    1643.3   10480.7    1643.1   10484.0
GR  1643.7   10488.7    1644.4   10493.7    1644.7   10550.8    1644.9   10569.9    1645.5   10582.5
GR  1646.6   10653.0    1646.7   10660.3    1648.2   10724.5    1647.9   10744.4    1646.9   10776.2
GR  1646.7   10795.3    1646.6   10832.8    1646.6   10844.2    1646.8   10848.7    1648.6   10903.3
GR  1648.7   10908.8    1648.8   10912.5    1648.9   10918.0    1649.7   10950.2    1650.1     10967

NH      13      .055    9974.5      .09     9982.6      .028    10000.0      .09    10010.4      .055
NH   10183       .09   10193.3     .028    10214.7       .09    10237.8     .028    10254.9       .09
NH   10294      .028   10313.5      .09    10319.5      .055    10786.3
QT       2       836       836
ET               7.1       7.1                                 9974.5   10786.3
      EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT
      SECTIONS 12.043, 12.107 AND 12.179 TO DEFINE BDY. WHERE WEIR FLOW
      INTO LT. OVERBANK OCCURED.
      MAIN CHANNEL DISCHARGES ARE REDUCED AT SECTIONS 12.043 ,12.107 AND
      TO REFLECT WEIR FLOW INTO LT. OVERBANK. THIS WEIR FLOW INTO
      LT. OVERBANK WAS THEN MODELED BY TRIBUTARY ANALYSIS OPTION OF HEC2
X1   12.043        95    9974.5   10365.3       465       350       470
GR  1658.4    9383.6    1658.2    9396.5    1658.7    9404.2    1658.6    9405.6    1658.5    9407.1
GR  1657.3    9415.6    1654.7    9434.4    1654.7    9435.0    1653.7    9441.8    1651.2    9459.9
GR  1650.8    9465.8    1649.9    9473.5    1649.3    9486.6    1649.3    9486.9    1649.3    9489.5
GR  1649.2    9495.3    1648.0    9520.2    1648.0    9526.2    1647.4    9541.5    1647.1    9564.5
GR  1646.7    9570.8    1646.7    9572.1    1646.9    9573.4    1647.3    9575.1    1647.6    9586.2
GR  1648.0    9618.9    1647.1    9622.3    1646.8    9624.2    1646.9    9627.1    1646.7    9629.1
GR  1647.4    9634.2    1647.2    9640.7    1647.3    9641.6    1647.3    9655.8    1648.5    9853.2
GR  1648.6    9968.2    1648.7    9974.5    1646.9    9982.6    1646.9    9982.8    1646.7    9983.5
GR  1646.7    9983.7    1646.8    9985.7    1647.3   10000.0    1649.4   10010.4    1650.0   10013.6
GR  1649.9   10014.0    1650.0   10016.8    1649.1   10069.7    1648.4   10121.1    1647.1     10183
GR  1646.7   10193.3    1646.2   10195.7    1645.3   10199.3    1645.6   10207.8    1646.0   10214.7
GR  1647.2   10220.6    1648.0   10223.9    1647.5   10231.6    1647.3   10235.7    1646.6   10237.8
GR  1645.3   10239.9    1645.3   10251.7    1645.3   10253.6    1645.6   10254.9    1647.0   10260.5
```

```
GR  1647.1   10275.5   1647.1   10289.8   1646.9    10294    1646.7   10298.3   1647.0   10300.4
GR  1646.9   10306.5   1646.6   10313.5   1647.1   10319.5   1647.6   10330.0   1648.7   10365.3
GR  1648.5   10397.9   1648.9   10416.9   1648.7   10451.4   1648.5   10481.1   1648.1   10525.0
GR  1648.4   10545.0   1648.8   10572.4   1648.8   10583.4   1648.9   10595.7   1649.0   10623.2
GR  1649.3   10672.6   1649.3   10674.7   1649.3   10675.2   1649.3   10675.5   1649.3   10676.8
GR  1650.0   10705.8   1650.7   10733.5   1651.2   10777.4   1651.5   10784.7   1651.6   10786.3

NH        9      .055    9974.9       .09    9985.2      .028   10008.8       .09   10019.9      .055
NH    10146       .09   10154.7      .028   10168.6       .09   10181.1      .055   11249.4
QT        2      1017      1017
ET                7.1       7.1                                 9974.9   10451.5

      WEIR FLOW TO EAST (LT. SIDE) WAS ESTIMATED AT 206 CFS,BETWEEN SEC.12.107
      AND SEC.12.179. TOTAL FLOW IN MAIN CHANNEL AT SEC. 12.107 IS 1017CFS.
X1  12.107        69    9974.9   10216.7       340       330       340
GR  1660.1    9211.0   1659.0    9247.5    1658.0    9274.0    1658.0    9274.4   1657.9    9277.1
GR  1656.8    9321.7   1656.6    9326.3    1656.1    9342.9    1655.6    9348.1   1655.1    9364.1
GR  1654.8    9370.4   1653.1    9395.3    1652.5    9408.7    1652.4    9434.6   1652.5    9452.7
GR  1652.5    9464.5   1652.3    9468.3    1651.6    9474.9    1649.9    9493.8   1648.9    9506.4
GR  1648.8    9513.7   1648.9    9517.3    1648.2    9523.6    1648.2    9525.9   1648.5    9527.8
GR  1649.5    9535.7   1649.5    9607.0    1650.0    9744.6    1650.0    9750.2   1650.0    9761.3
GR  1650.6    9867.8   1651.1    9926.0    1651.7    9974.9    1650.3    9979.0   1648.7    9985.2
GR  1649.1   10000.0   1649.1   10008.8    1650.6   10014.2    1651.8   10019.9   1651.7   10035.2
GR  1650.2   10123.6   1650.0     10146    1649.0   10150.2    1648.0   10154.7   1648.0   10165.7
GR  1648.0   10167.1   1648.3   10168.6    1649.7   10181.1    1649.7   10183.3   1650.0   10206.9
GR  1650.0   10209.1   1650.0   10216.7    1650.3   10338.5    1651.8   10379.5   1651.9   10387.9
GR  1652.0   10415.5   1652.3   10451.5    1651.3   10470.6    1651.2   10474.7   1651.2   10498.2
GR  1651.0   10541.1   1651.0   10736.8    1650.9   10785.5    1650.9   10816.2   1650.9   11066.3
GR  1651.1   11102.4   1651.3   11150.9    1651.5   11178.6    1654.2   11249.4

NH        6      .055    9969.5       .09    9974.8      .028   10000.0       .09   10032.2      .055
NH    10487       .09   11151.6
QT        2      1223      1223
ET                7.1       7.1                                 9969.5   10232.4

      EFFECTIVE AREA ENCROACHMENTS WERE APPLIED IN RIGHT OVERBANK TO
      ALONG GRADE BREAK WHICH DEFINED BREAKOUT OF FLOW TO WEST BETWEEN
      SECTIONS 12.179 AND 12.560.
      A WEIR FLOW ANALYSIS WAS INITIALLY CONDUCTED TO DETERMINE THE
      AMOUNT OF FLOW WHICH COULD BREAKOUT TO THE WEST.THIS ANAYLSIS
      INDICATED UP TO 2350CFS OF THE Q100=3120 CFS COULD BREAKOUT TO WEST.
      ANOTHER BACKWATER ANALYSIS OF THE WEST BREAKOUT WASH CAPACITY WAS
      THEN CONDUCTED TO DETERMINE IF THIS WEST BREAKOUT WASH COULD
      CONVEY THIS MUCH FLOW. IT WAS DETERMINED THAT THE WEST WASH CAPACITY
      DICTATED BREAKOUT BETWEEN SEC. 12.275 AND 12.560 AND THAT BETWEEN
      SECTIONS 12.179 AND 12.275, WEIR FLOW DICTATED BREAKOUT TO THE WEST.
      THE BREAKOUT TO THE WEST BETWEEN SECTIONS 12.179 AND 12.275 WAS ESTI-
      MATED TO BE 615CFS (WEIR FLOW) FOR THE 100 YR. EVENT.
      TOTAL FLOW IN WEST WASH BREAKOUT AT SEC. 12.179 IS 1535 CFS.
      LIKEWISE IT WAS ESTIMATED THAT 362 CFS, BREAKS OUT TO THE EAST BASED
      ON WEIR FLOW BETWEEN SEC. 12.179 AND 12.275.
```

AS SUCH THE MAIN CHANNEL FLOW AT SEC. 12.179 IS 1223 CFS.
BEGIN PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 490 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT. ALONG SECTN
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA.10487 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.
PATTON ROAD ALIGNMENT. NO ROAD ACROSS DAGGS WASH.

X1	12.179	88	9969.5	10032.2	345	400	380			
GR	1661.0	9047.0	1660.7	9066.7	1660.0	9092.1	1659.5	9116.0	1657.4	9171.5
GR	1656.4	9189.8	1655.7	9219.0	1653.1	9318.6	1652.5	9337.9	1651.5	9385.0
GR	1651.3	9407.5	1651.3	9420.1	1651.3	9439.4	1651.2	9443.9	1651.1	9464.3
GR	1651.3	9476.5	1651.3	9490.0	1651.3	9505.5	1651.3	9598.6	1651.3	9607.3
GR	1652.0	9697.1	1652.0	9704.4	1652.0	9761.8	1652.0	9771.3	1652.0	9774.7
GR	1652.0	9808.2	1652.7	9835.5	1652.9	9843.2	1653.0	9848.3	1652.8	9882.3
GR	1652.8	9890.4	1653.0	9904.9	1652.7	9911.0	1652.7	9912.5	1652.7	9918.7
GR	1652.7	9921.4	1652.7	9933.2	1653.7	9969.5	1651.7	9974.8	1650.7	9976.9
GR	1650.8	9982.3	1651.1	10000.0	1652.8	10014.5	1653.2	10017.2	1653.3	10032.2
GR	1653.3	10064.0	1652.1	10072.0	1652.0	10072.4	1652.0	10072.8	1653.1	10088.3
GR	1653.1	10102.1	1653.1	10128.0	1650.9	10133.4	1650.7	10134.2	1651.5	10144.5
GR	1652.0	10148.5	1652.2	10152.3	1653.2	10164.3	1652.6	10166.5	1650.7	10173.6
GR	1651.7	10183.3	1652.2	10187.0	1652.3	10193.0	1652.7	10197.6	1655.8	10230.0
GR	1656.0	10232.4	1656.0	10232.9	1655.6	10269.9	1655.4	10289.0	1654.7	10313.0
GR	1654.3	10330.6	1653.3	10476.3	1653.3	10485.4	1653.3	10487	1653.3	10556.1
GR	1653.1	10602.8	1652.7	10725.3	1652.8	10732.4	1652.2	10820.2	1652.0	10838.0
GR	1652.1	10854.3	1652.2	10992.4	1652.3	11023.4	1653.1	11060.2	1654.1	11083.4
GR	1655.3	11122.3	1656.6	11150.5	1656.6	11151.6				
NH	5	.055	9971.3	.09	9983.3	.028	10010.4	.09	10022.9	.055
NH	11066									
QT	2	2200	2200							
ET		7.1	7.1				9761.1	10657.7		

TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC 12.275
WAS ESTIMATED AT 920 CFS.

X1	12.275	95	9971.3	10022.9	500	510	505			
GR	1661.5	8941.8	1662.0	8953.8	1662.0	8957.6	1661.9	8960.9	1660.7	8979.9
GR	1660.7	8981.1	1659.6	9044.5	1659.3	9069.8	1658.7	9096.8	1657.5	9126.8
GR	1657.3	9139.9	1656.9	9162.0	1656.3	9173.7	1655.6	9192.2	1655.1	9220.7
GR	1655.0	9250.8	1654.0	9351.3	1654.0	9354.1	1653.7	9389.5	1653.7	9435.0
GR	1653.7	9450.7	1653.7	9454.5	1653.7	9459.4	1653.7	9474.7	1653.8	9482.2
GR	1653.9	9484.9	1653.8	9485.7	1654.5	9520.2	1656.5	9592.2	1656.7	9599.6
GR	1656.7	9600.7	1657.4	9643.0	1658.8	9686.3	1659.2	9739.3	1659.2	9747.3
GR	1659.2	9761.1	1659.0	9765.3	1658.9	9791.1	1658.7	9798.7	1658.7	9804.5
GR	1658.7	9808.3	1657.3	9859.1	1657.3	9862.8	1657.3	9892.6	1656.9	9921.7
GR	1656.6	9932.3	1656.7	9948.1	1656.7	9953.8	1656.7	9957.0	1656.7	9959.0
GR	1656.7	9971.3	1656.7	9978.7	1654.7	9980.6	1653.7	9983.3	1653.7	10000.0
GR	1654.0	10010.4	1655.7	10016.7	1657.3	10022.9	1656.6	10088.1	1655.9	10127.6
GR	1655.8	10160.3	1655.9	10185.0	1656.0	10278.4	1655.6	10281.6	1655.1	10286.2
GR	1655.3	10292.8	1656.0	10330.6	1656.6	10360.2	1656.0	10364.2	1654.7	10374.2
GR	1654.7	10375.1	1655.3	10393.7	1655.3	10411.6	1655.3	10416.2	1655.3	10526
GR	1655.3	10526.8	1655.3	10526.9	1655.9	10545.8	1655.9	10594.2	1656.2	10607.0
GR	1656.4	10638.5	1656.7	10657.7	1656.7	10672.2	1656.7	10707.0	1655.5	10737.3
GR	1655.4	10742.7	1655.4	10751.2	1655.4	10756.8	1655.4	10767.7	1655.4	10821.3
GR	1656.7	10927.3	1657.7	10955.3	1658.3	10983.1	1659.1	11016.3	1660.3	11066

```
NH       6      .055     9762.9       .05     9970.2      .055     9979.8      .028    10000.0       .05
NH   10509      .055    10952.6
QT       2      2750       2750
ET               7.1        7.1                                  9580.5    10740.1
      LAND CLEARED ON EACH SIDE OF WASH FOR RANCH\FARM OPERATION.
      LOWER OVERBANK 'N' VALUES AT THIS SECTION FOR THIS LAND TREATMENT.
      TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC.12.370
      WAS ESTIMATED AT 370 CFS.
X1   12.370        56     9970.2    10011.3       540       460       500
GR   1666.3    9580.5     1666.0     9599.8    1666.8    9608.8    1665.1    9637.0    1664.8    9641.3
GR   1664.7    9643.8     1664.7     9647.2    1662.8    9696.0    1662.4    9713.0    1662.5    9725.7
GR   1662.2    9752.9     1662.1     9762.9    1662.5    9786.0    1661.9    9797.4    1660.7    9824.2
GR   1659.9    9872.7     1659.1     9926.0    1659.5    9955.2    1659.8    9970.2    1657.8    9974.8
GR   1656.7    9979.8     1656.7     9989.6    1656.7   10000.0    1660.2   10010.0    1660.7   10011.3
GR   1660.7   10011.8     1659.3    10193.5    1659.1   10306.1    1659.0   10344.0    1658.6   10388.2
GR   1658.2   10429.0     1657.8      10509    1658.1   10514.8    1658.9   10526.2    1658.7   10534.1
GR   1658.3   10537.7     1658.6    10558.9    1659.1   10573.0    1659.0   10580.7    1659.5   10585.5
GR   1660.0   10596.6     1659.1    10647.5    1658.4   10740.1    1659.1   10774.1    1658.0   10784.3
GR   1658.1   10784.8     1659.2    10797.8    1659.3   10800.0    1659.3   10800.7    1659.3   10802.0
GR   1659.3   10839.1     1662.7    10903.6    1662.7   10904.7    1662.8   10905.2    1663.8   10936.0
GR   1664.7   10952.6

NH       5      .055     9986.1       .09     9997.0      .028    10020.0       .09    10030.7      .055
NH   11036
QT       2      2820       2820
ET               7.1        7.1                                  9364.1    10683.9
      TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAP. ANALYSIS AT SEC. 12.464
      WAS ESTIMATED AT 250 CFS.
X1   12.464        70     9986.1    10030.7       500       400       495
GR   1668.0    9364.1     1667.6     9367.8    1667.1    9383.7    1666.1    9404.8    1665.3    9425.2
GR   1665.1    9431.3     1664.8     9445.8    1664.3    9473.1    1664.0    9488.3    1664.0    9493.6
GR   1663.3    9526.8     1663.2     9605.5    1663.1    9626.9    1662.7    9675.2    1662.7    9676.4
GR   1662.7    9742.0     1662.8     9785.5    1662.9    9791.7    1663.4    9804.3    1663.8    9819.4
GR   1664.0    9870.7     1664.0     9881.2    1663.9    9881.4    1663.5    9883.4    1661.8    9890.7
GR   1662.0    9893.6     1662.3     9904.6    1662.2    9928.8    1661.4    9950.2    1662.5    9986.1
GR   1659.4    9997.0     1659.3     9998.0    1659.3   10000.0    1659.3   10019.8    1659.4   10020.0
GR   1661.8   10025.1     1663.3    10030.7    1663.2   10057.5    1662.2   10190.0    1661.6   10191.0
GR   1661.2   10193.6     1661.3    10196.6    1661.3   10201.2    1661.7   10206.6    1661.6   10227.6
GR   1661.2     10296     1660.8    10308.2    1661.0   10314.9    1661.3   10401.7    1661.3   10408.8
GR   1661.2   10475.8     1661.1    10483.9    1661.3   10513.1    1661.3   10606.2    1661.3   10636.4
GR   1662.9   10658.5     1664.0    10683.9    1663.7   10705.1    1663.0   10718.2    1662.1   10745.3
GR   1661.7   10763.0     1661.3    10781.6    1661.3   10796.0    1661.7   10814.5    1664.5   10994.2
GR   1664.6   11003.1     1664.7    11008.5    1664.8   11009.4    1668.0   11035.4    1668.0     11036

NH       6      .055     9964.3       .09     9970.7      .028    10012.6       .09    10020.2      .055
NH   10080       .09    10850.4
QT       2      2870       2870
ET               7.1        7.1                                  9423.1    10631.1
```

```
     PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
     APPROX. 80 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT.,PARALLELING
     CROSS-SECTION AND APPRX. 75 FT. UPSTREAM OF SECTION.
     INCREASE 'N' VALUE TO 0.09 TO RT. OF STA. 10080 TO MODEL RESISTANCE TO
     FLOW PASSING THROUGH AND/OR UNDER FENCE.
X1   12.560       70    9964.3   10020.2      500       460       505
GR   1668.6    9423.1    1668.4    9443.3    1668.4    9470.2    1668.0    9516.0    1667.7    9545.5
GR   1668.2    9577.6    1668.5    9593.0    1667.5    9606.0    1667.3    9613.6    1665.9    9632.5
GR   1665.1    9640.6    1664.4    9649.3    1664.7    9668.4    1664.5    9674.6    1664.6    9677.3
GR   1664.7    9678.0    1664.7    9682.6    1664.8    9816.0    1665.6    9937.0    1665.8    9964.3
GR   1663.8    9970.7    1662.4    9978.0    1662.2   10000.0    1662.2   10012.6    1664.0   10018.7
GR   1665.0   10020.2    1664.7   10048.4    1664.5   10077.7    1664.7    10080    1664.7   10081.7
GR   1663.9   10095.8    1663.5   10101.8    1664.0   10103.0    1664.4   10109.3    1664.9   10121.6
GR   1664.8   10125.4    1664.9   10147.0    1665.2   10175.6    1666.3   10209.6    1666.3   10217.4
GR   1665.0   10254.6    1665.0   10266.9    1664.9   10275.7    1664.8   10284.6    1665.0   10302.8
GR   1664.5   10347.3    1664.4   10380.3    1664.4   10384.0    1664.5   10442.5    1664.0   10464.1
GR   1664.0   10465.5    1663.8   10470.4    1663.3   10481.6    1663.5   10489.3    1663.6   10502.6
GR   1664.4   10591.3    1664.6   10614.3    1664.7   10622.5    1664.8   10631.2    1665.6   10684.1
GR   1664.9   10708.1    1664.7   10715.9    1664.7   10775.3    1664.7   10795.1    1664.7   10796.3
GR   1667.5   10812.3    1668.7   10819.7    1668.7   10827.1    1668.1   10834.5    1669.0   10850.4

QT       2      3297      3297
NH       7      .055    9963.5       .09    9973.2      .028   10004.4       .09   10011.8      .055
NH   10164      .028   10175.9      .055   10548.1
ET             7.1       7.1                                    9890   10548.1
     RETURN TO TOTAL 100 YR. FLOW IN MAIN CHANNEL AT THIS SECTION.
     100-YR DISCHARGE INCREASES FROM 3120CFS TO 3297CFS.THIS REFLECTS
     APPARENT ATTENUATION OF FLOW PEAK DUE TO CHANNEL ROUTING WHICH
     WAS REFLECTED IN THE JACKRABBIT WASH HYDROLOGY.
     100-YR 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
     HEC-1 MODEL I.D. NO.=C88.  (D.A.=13.31 SQ. MI.).
     AREA TO LEFT OF STA.9890 BLOCKED OUT AS INEFFECTIVE FLOW, BASED ON
     4:1 FLARE ANGLE DOWNSTREAM FROM BOX CULVERT OUTLET. THE 2-36"X 22"
     CMPA'S AT LEFT WERE CONSIDERED TO CONTRIBUTE INSIGNIFICANT FLOW TO
     THIS OVERBANK. FLOW OVER THE RD. DOES NOT OCCUR IN LT. OVERBANK.
X1   12.657       50    9963.5   10011.8      400       580       510
GR   1671.6    9501.7    1669.3    9524.5    1669.0    9535.5    1668.0    9552.6    1668.0    9553.6
GR   1667.7    9558.4    1667.7    9572.4    1667.6    9619.8    1667.5    9628.2    1667.5    9643.0
GR   1667.4    9653.6    1667.5    9673.3    1668.2    9760.6    1668.6    9820.2    1668.5    9826.0
GR   1667.6    9870.0    1667.5    9907.2    1667.5    9918.0    1667.6    9922.7    1667.5    9932.8
GR   1668.0    9963.5    1665.7    9971.1    1665.1    9973.2    1665.2   10000.0    1665.1   10004.4
GR   1666.1   10007.2    1666.6   10008.7    1668.0   10011.8    1668.0   10038.8    1667.6   10117.2
GR   1667.3   10158.8    1667.0   10160.4    1665.3     10164    1665.3   10168.6    1665.3   10175.9
GR   1665.7   10177.0    1667.3   10180.8    1667.3   10188.5    1667.3   10194.3    1667.3   10211.2
GR   1667.6   10222.3    1668.2   10246.3    1667.8   10357.4    1667.9   10405.1    1668.1   10438.5
GR   1669.1   10487.2    1669.8   10505.4    1670.4   10524.3    1671.5   10540.8    1671.3   10548.1

NH       5      .055    9947.3       .09    9954.1      .028   10000.0       .09   10012.6      .055
NH   10630
X1   12.697       79    9959.0   10000.0      230       210       210
X3      10                                                              1670.5    1668.4
GR   1677.3    9485.1    1676.1    9520.0    1676.0    9522.6    1675.6    9525.9    1672.5    9549.1
GR   1671.7    9555.0    1671.7    9561.1    1672.3    9572.0    1672.2    9590.4    1672.1    9594.3
GR   1669.4    9619.3    1669.4    9620.2    1669.3    9622.5    1669.2    9624.1    1668.1    9656.4
```

```
GR   1668.2     9665.2     1668.1     9673.8     1669.2     9685.2     1669.3     9695.9     1669.3     9794.6
GR   1669.3     9802.4     1669.3     9845.5     1670.0     9914.3     1670.0     9914.7     1670.0     9914.9
GR   1670.0     9915.2     1670.0     9915.6     1670.0     9917.5     1670.0     9947.3     1667.1     9954.1
GR   1666.7     9955.0     1666.7     9959.0     1666.7    10000.0     1668.5    10003.0     1670.0    10005.5
GR   1670.0    10006.5     1670.0    10012.6     1670.0    10023.7     1669.3    10035.9     1669.3    10040.7
GR   1669.1    10050.2     1669.1    10058.2     1669.4    10066.3     1668.9    10088.1     1669.3    10100.0
GR   1668.4    10136.2     1668.2    10148.6     1668.1    10156.3     1668.1    10156.7     1668.0    10157.1
GR   1667.5    10186.6     1667.3    10193.7     1667.2    10197.0     1666.9    10271.7     1666.9    10286.3
GR   1666.7    10310.2     1666.8    10319.9     1667.3    10346.3     1667.3    10349.0     1667.4    10352.1
GR   1667.1    10373.8     1668.7    10397.8     1669.8    10409.1     1670.1    10411.6     1670.3    10417.4
GR   1670.9    10433.3     1671.0    10434.3     1671.0    10441.3     1670.7    10456.8     1670.3    10476.6
GR   1670.0    10484.4     1670.0    10489.4     1669.9    10528.1     1669.9    10550.5     1669.9    10559.1
GR   1670.8    10572.6     1671.3    10575.7     1671.6    10586.4     1672.6      10630

NC    .024       .016       .013         .3          .5
      BEGIN NORMAL BRIDGE MODELING OF PEAKVIEW ROAD (A.K.A.TOYOTA PROVING
      GROUNDS ACCESS RD.)
      THE MAIN DAGGS WASH HAS A 4 BARREL 10FT.X 3 FT. X 48FT. CONCRETE BOX
      CULVERT CROSSING, WITH 45 DEGREE ANGLE WINGWALLS.
      THE BOX OUTLET CONC. I.E.=1665.15.
      THE BOX INLET CONC. I.E.=1665.35.
      THE BOX CULVERT WAS MODELED AS A 40 FT. WIDE X 3.0 FT HIGH OPENING
      (I.E. WITHOUT PIERS TO SIMPLIFY MODEL).
      THE 'N' VALUES FOR LT., RT.,OVERBANKS AND CHANNEL WERE REDUCED
      TO MODEL THE FLOW SURFACES FOR THE PAVEMENT (N=.016),CONCRETE BOX
      CULVERT(N=.013), AND THE MINOR CAPACITY CMPA CULVERTS (N=.024).
      SINCE FLOW OVER THE PAVEMENT DOES NOT OCCUR AT THE LT.OVERBANK OR
      CHANNEL, THESE 'N' VALUES REPRESENT THE RESPECTIVE CULVERT TYPE.
      THE RIGHT SIDE ROAD OVERBANK DIPS DOWN TO A LOW ELEV. OF 1668.0 WHICH
      IS BELOW THE BOX CULVERT INLET LOW CHORD EL=1669.35 ,HENCE THE NORMAL
      BRIDGE MODELING OF THIS CROSSING, DUE TO BACKWATER SUBMERGENCE OF RD.
      AND RELATIVE SMALL CAPACITY OF CULVERTS TO 100 YR. DISCHARGE.
      THE LEFT OVERBANK (STA.9687.3) CONTAINS TWO 36"X22"X50 FT. CORRAGATED
      METAL PIPE ARCH (CMPA'S) CULVERTS. THESE TWO CULVERTS WERE ALSO
      MODELED AS ONE 4.8 FT. (WIDE) X 1.83 FT. OPENING TO SIMPLIFY MODEL.
      THE CMPA'S OUTLET I.E.=1668.8 AND THE INLET I.E.=1669.1.
X1   12.701         22       9960      10000         20         20         20
BT      -18     9577.3     1675.9     1675.9     9667.3    1673.55    1673.55    9684.91     1673.2    1670.63
BT          9689.7     1673.2     1670.6     9767.3     1671.9     1671.9     9867.3    1671.07    1671.07
BT            9960    1671.03    1669.15      10000    1671.03    1669.15      10065    1670.65    1670.65
BT           10145     1669.4     1669.4      10165     1669.0     1669.0      10215     1668.3     1668.3
BT         10265.0     1668.0     1668.0    10390.0     1668.0     1668.0      10440    1668.25    1668.25
BT           10490     1668.9     1668.9    10527.5     1669.6     1669.6      10615     1670.5     1670.5
GR   1675.9     9577.3    1673.55     9667.3    1670.63    9684.91     1668.8    9684.91     1668.8     9689.7
GR   1670.6     9689.7     1671.9     9767.3    1671.07     9867.3    1669.15       9960    1666.15       9960
GR   1666.2      10000    1669.15      10000    1670.65      10065     1669.4      10145     1669.0      10165
GR   1668.3      10215     1668.0    10265.0     1668.0    10390.0    1668.25      10440     1668.9      10490
GR   1669.6    10527.5     1670.5      10615
```

END PEAKVIEW ROAD.

X1	12.709	22	9960	10000	40	40	40			
BT	-18	9577.3	1675.9	1675.9	9667.3	1673.55	1673.55	9684.91	1673.2	1670.93
BT		9689.7	1673.2	1670.9	9767.3	1671.9	1671.9	9867.3	1671.07	1671.07
BT		9960	1671.03	1669.35	10000	1671.03	1669.35	10065	1670.65	1670.65
BT		10145	1669.4	1669.4	10165	1669.0	1669.0	10215	1668.3	1668.3
BT		10265.0	1668.0	1668.0	10390.0	1668.0	1668.0	10440	1668.25	1668.25
BT		10490	1668.9	1668.9	10527.5	1669.6	1669.6	10615	1670.5	1670.5
GR	1675.9	9577.3	1673.55	9667.3	1670.93	9684.91	1669.1	9684.91	1669.1	9689.7
GR	1670.9	9689.7	1671.9	9767.3	1671.07	9867.3	1669.35	9960	1666.35	9960
GR	1666.4	10000	1669.35	10000	1670.65	10065	1669.4	10145	1669.0	10165
GR	1668.3	10215	1668.0	10265.0	1668.0	10390.0	1668.25	10440	1668.9	10490
GR	1669.6	10527.5	1670.5	10615						
NH	5	.055	9948.7	.09	9958.3	.028	10000	.09	10009.5	.055
NH	10633									
X1	12.712	68	9958.3	10000	16	16	16			
X3	10							1671.6	1668.5	
GR	1677.4	9437.2	1677.5	9464.3	1676.6	9500.9	1676.3	9506.4	1675.3	9525.0
GR	1675.2	9526.5	1672.0	9570.0	1671.4	9586.9	1669.6	9632.8	1669.3	9647.0
GR	1669.5	9657.6	1669.4	9664.9	1669.4	9675.9	1669.3	9679.5	1669.3	9687.1
GR	1669.3	9742.2	1669.5	9761.9	1669.6	9814.2	1670.1	9856.6	1669.9	9873.6
GR	1669.7	9880.3	1669.6	9889.1	1670.7	9903.8	1671.0	9909.1	1670.8	9918.3
GR	1669.6	9941.7	1670.0	9947.5	1670.3	9948.4	1670.6	9948.7	1668.1	9956.1
GR	1667.5	9957.8	1667.3	9958.3	1667.3	9960.0	1666.9	10000.0	1669.4	10005.3
GR	1671.1	10008.7	1671.3	10009.5	1670.8	10028.5	1670.7	10031.3	1670.7	10032.2
GR	1670.4	10045.8	1670.0	10060.0	1669.9	10067.0	1669.9	10078.2	1670.0	10097.6
GR	1669.4	10146.2	1668.4	10227.3	1668.7	10242.1	1669.2	10280.7	1669.1	10287.5
GR	1669.6	10290.8	1669.8	10306.9	1669.8	10357.5	1669.8	10360.9	1669.8	10362.3
GR	1669.7	10368.5	1669.4	10391.4	1669.3	10397.7	1670.0	10428.9	1670.5	10458.9
GR	1670.8	10473.0	1670.7	10536.1	1670.7	10538.0	1670.7	10540.9	1670.9	10565.3
GR	1671.3	10591.0	1671.4	10594.6	1672.7	10633				
NC				.1	.3					
NH	7	.055	9909.9	.09	9937.0	.028	9957.6	.09	9996.5	.028
NH	10017	.09	10041.8	.055	10678.8					
ET		7.1	7.1				9810	10678.8		

UPSTREAM END OF STUDY.
AREA TO LEFT OF STA. 9810 WAS BLOCKED OUT AS INEFFECTIVE BASED ON
1:1 FLARE ANGLE UPSTREAM FROM BOX CULVERT INLET. THE 2-36"X22"CMPA'S
ON LT. SIDE WERE CONSIDERED OF INSIGNIFICANT CAPACITY AND NO RD.
OVERTOPPING OF LEFT OVERBANK OCCURS FOR Q100 WERE BASIS FOR BLOCKOUT.

X1	12.740	91	9909.9	10057.1	150	150	150			
GR	1678.3	9452.3	1677.8	9455.4	1677.3	9488.2	1677.3	9488.8	1677.3	9489.4
GR	1675.4	9513.0	1675.2	9514.8	1675.9	9525.9	1675.7	9540.4	1675.3	9546.7
GR	1675.0	9559.2	1674.2	9575.0	1674.1	9586.7	1672.4	9605.9	1671.5	9620.8
GR	1671.1	9639.6	1671.2	9651.5	1670.7	9656.6	1670.7	9677.1	1670.7	9692.3
GR	1670.9	9705.2	1671.1	9720.6	1670.7	9734.3	1670.6	9739.9	1670.6	9747.7
GR	1670.1	9793.2	1670.0	9798.3	1670.0	9799.8	1670.9	9844.3	1670.9	9849.1
GR	1671.0	9853.3	1671.3	9896.8	1671.2	9900.0	1671.3	9902.5	1671.3	9909.9
GR	1670.8	9922.0	1670.6	9928.7	1670.0	9930.7	1668.3	9937.0	1667.5	9939.8
GR	1667.3	9952.8	1667.2	9957.1	1667.1	9957.2	1667.3	9957.6	1669.4	9962.8
GR	1671.3	9965.2	1671.3	9982.5	1671.3	9989.8	1668.3	9996.5	1667.3	9998.4

```
GR   1667.3    9998.7    1667.4   10000.0    1668.0     10017    1670.6   10020.4    1670.7   10020.7
GR   1670.6   10021.7    1670.4   10034.0    1671.6   10041.8    1672.3   10049.6    1672.2   10055.1
GR   1672.7   10057.1    1672.1   10061.7    1670.7   10067.9    1671.2   10105.8    1671.3   10167.6
GR   1670.5   10236.9    1670.1   10264.8    1670.3   10283.3    1670.0   10312.8    1671.7   10328.0
GR   1672.7   10342.9    1672.7   10351.7    1672.6   10359.5    1672.4   10386.4    1672.6   10413.5
GR   1671.4   10485.1    1671.3   10489.4    1671.2   10493.0    1670.3   10532.4    1670.7   10546.9
GR   1670.6   10554.0    1672.0   10577.6    1673.3   10598.2    1673.3   10601.5    1673.3   10604.0
GR   1673.6   10606.9    1674.1   10619.0    1673.9   10660.7    1673.8   10665.9    1673.8   10669.0
GR   1673.6   10678.8

NH         5       .055    9983.4       .09    9988.6       .028   10017.0       .09   10030.5       .055
NH     10921
QT         2       3120      3120
X1    -10.89         75    9983.4   10030.5       550        570       550
GR   1616.2    9693.6    1616.2    9697.2    1616.1    9707.6    1616.0    9710.7    1615.5    9730.6
GR   1610.9    9764.8    1608.9    9777.8    1608.0    9784.6    1607.4    9826.3    1607.3    9827.8
GR   1607.3    9828.5    1607.6    9890.9    1607.8    9904.7    1607.7    9926.5    1607.3    9946.8
GR   1607.4    9952.2    1607.1    9983.4    1604.4    9986.3    1603.0    9988.6    1603.1   10000.0
GR   1603.0   10017.0    1605.4   10024.0    1607.6   10030.5    1607.6   10055.8    1607.8   10084.5
GR   1607.5   10092.2    1606.9   10103.9    1607.1   10120.6    1606.9   10143.4    1606.9   10171.3
GR   1607.5   10182.9    1607.8   10191.3    1607.9   10200.0    1607.7   10260.7    1607.5   10330.8
GR   1607.3   10339.4    1607.1   10340.7    1606.0   10349.9    1606.7   10353.3    1607.3   10360.8
GR   1607.3   10422.2    1607.3   10468.3    1607.1   10470.7    1606.4   10474.8    1606.8   10480.0
GR   1607.3   10483.8    1606.9   10499.6    1606.8   10508.1    1606.4   10510.5    1606.4   10512.2
GR   1606.4   10514.0    1606.9   10517.5    1607.3   10529.2    1607.3   10545.5    1607.1   10566.1
GR   1606.3   10568.4    1605.0   10572.5    1606.0   10578.4    1607.2   10585.0    1607.6   10623.6
GR   1607.5   10645.8    1608.5   10671.0    1609.1   10680.3    1609.1   10684.1    1608.7   10696.9
GR   1608.4   10705.3    1608.7   10721.3    1608.8   10731.6    1609.3   10783.4    1609.9   10807.0
GR   1610.0   10815.3    1610.1   10818.8    1610.3   10830.6    1612.0   10898.7    1613.1     10921

NH         9       .055    9761.8       .09    9772.1       .028    9802.8       .09   9819.4       .055
NH    9945.0        .09    9956.1       .028  10000.0        .09   10036.3       .055  11072.9
ET                  7.1       7.1        7.1       7.1        7.1   10807.8   11072.9
QT         2       1535      1535
      BEGIN WEST WASH BREAKOUT TRIBUTARY ANALYSIS. REPEAT COMMON CROSS-SECTION
      NO. 10.89
      SECTION 20.996 IS MAIN CHANNEL SEC. 10.996 WITH 10 ADDED TO I.D.NO.
      TO DIFFERENTIATE SECTION I.D.'S. ENCROACHMENTS WERE ADDED TO MAKE
      ONLY THE RIGHTMOST OVERBANK EFFECTIVE FOR THIS BREAKOUT FLOW ANYLSIS.
      DISCHAGE DECREASED TO 1535CFS, REFLECTING THE BREAKOUT ESTIMATED TO
      BETWEEN SECTIONS.12.179 AND 12.560.
      UPSTREAM SECTIONS HAVE HAD 10 ADDED TO EACH MAIN CHANNEL SECTION I.D.
      NO. TO DIFFERENTIATE WEST WASH BREAKOUT ANALYSIS.
X1   20.996        89    9945.0   10036.3       560        530       555
GR   1619.1    9652.6    1618.7    9670.0    1616.0    9687.6    1615.1    9693.9    1615.7    9696.1
GR   1616.3    9699.6    1616.7    9709.0    1617.8    9717.3    1618.8    9728.3    1619.7    9737.0
GR   1619.6    9743.6    1619.3    9748.3    1618.4    9751.4    1612.3    9761.8    1608.3    9770.0
GR   1606.0    9772.1    1606.0    9774.8    1605.4    9802.8    1606.6    9807.7    1609.5    9819.4
GR   1610.5    9881.8    1610.5    9903.3    1610.0    9945.0    1609.4    9946.5    1606.6    9956.1
GR   1606.4    9970.0    1607.3   10000.0    1609.4   10012.8    1610.2   10016.4    1610.8   10036.3
GR   1610.9   10066.3    1611.3   10127.3    1611.3   10145.7    1611.3   10150.2    1610.7   10152.2
GR   1610.0   10154.5    1611.2   10166.1    1611.3   10168.1    1611.4   10214.1    1611.4   10233.2
GR   1611.9   10327.5    1611.9   10343.4    1611.9   10350.6    1611.8   10366.9    1611.9   10429.8
GR   1612.7   10454.9    1612.7   10468.2    1612.7   10479.8    1612.7   10505.4    1612.4   10508.3
```

GR	1610.7	10514.5	1610.0	10516.3	1612.0	10527.6	1612.0	10527.7	1612.0	10527.8
GR	1612.0	10527.8	1612.0	10527.9	1612.0	10545.2	1612.0	10577.6	1613.2	10653.6
GR	1613.2	10658.0	1613.3	10726.8	1613.3	10730.9	1613.3	10731.3	1613.3	10733.7
GR	1612.7	10775.3	1613.1	10785.1	1614.5	10807.8	1613.5	10827.2	1613.3	10832.0
GR	1611.4	10845.2	1610.7	10850.4	1610.7	10859.1	1610.7	10868.0	1610.8	10868.8
GR	1611.8	10876.5	1612.1	10908.3	1612.0	10918.8	1610.7	10922.5	1610.7	10922.6
GR	1610.7	10923.7	1611.3	10935.2	1611.4	10936.8	1612.1	10988.1	1612.3	11006.8
GR	1612.5	11026.5	1613.2	11054.5	1613.3	11062.0	1614.2	11072.9		
NH	9	.055	9579.5	.09	9589.0	.028	9601.6	.09	9617.9	.055
NH	9972.0	.09	9983.6	.028	10004.0	.09	10064.6	.055	11192.9	
ET		7.1	7.1	7.1	7.1	7.1	10703.8	11192.9		
X1	21.101	79	9944.8	10064.6	740	260	555			
GR	1620.7	9549.3	1620.3	9551.3	1614.3	9577.8	1614.0	9579.5	1611.1	9585.2
GR	1608.2	9589.0	1608.0	9593.4	1608.4	9601.6	1611.7	9609.9	1614.5	9617.9
GR	1613.4	9669.6	1613.3	9678.0	1613.3	9683.1	1613.8	9716.0	1614.0	9768.8
GR	1614.0	9793.8	1615.4	9822.3	1615.5	9825.0	1612.8	9872.4	1612.7	9879.0
GR	1612.9	9895.1	1612.9	9908.5	1612.9	9917.8	1612.3	9926.0	1612.0	9944.8
GR	1611.0	9972.0	1610.8	9976.4	1610.6	9981.9	1610.6	9983.6	1609.6	10004.0
GR	1610.7	10046.3	1614.6	10064.6	1614.5	10090.1	1614.2	10180.0	1614.3	10193.5
GR	1614.0	10262.2	1613.6	10270.7	1613.5	10321.6	1613.3	10328.2	1613.2	10329.8
GR	1613.3	10335.8	1614.0	10342.1	1614.0	10418.5	1614.0	10423.5	1613.8	10424.4
GR	1613.0	10428.4	1612.0	10433.4	1614.0	10441.4	1614.0	10441.5	1614.0	10442.0
GR	1613.3	10505.3	1612.6	10513.2	1612.0	10517.2	1612.9	10522.7	1613.3	10524.1
GR	1613.9	10562.7	1614.0	10569.1	1613.3	10572.5	1612.6	10575.2	1613.0	10583.3
GR	1613.4	10594.1	1614.0	10610.9	1614.0	10616.2	1614.7	10641.4	1616.0	10699.0
GR	1616.2	10703.8	1616.1	10742.7	1614.1	10865.9	1614.0	10870.5	1613.9	10874.1
GR	1612.7	10914.8	1612.7	10921.8	1613.6	10984.7	1615.1	11044.1	1615.3	11074.1
GR	1615.8	11088.5	1618.8	11148.9	1620.1	11184.7	1620.1	11192.9		
NH	9	.055	9490.0	.09	9490.4	.028	9491.8	.09	9509.6	.055
NH	9968.5	.09	9981.9	.028	10002.3	.09	10012.9	.055	11139.5	
ET		7.1	7.1	7.1	7.1	7.1	10705.8	11139.5		
X1	21.205	91	9968.5	10095.6	500	440	550			
GR	1616.7	9487.8	1616.7	9490.0	1616.7	9490.4	1616.8	9491.8	1617.6	9509.6
GR	1618.0	9517.8	1618.7	9635.3	1618.8	9637.9	1618.8	9639.2	1618.8	9639.4
GR	1618.7	9646.0	1618.0	9707.6	1617.4	9714.0	1617.3	9714.7	1617.8	9719.3
GR	1617.8	9724.0	1618.6	9756.5	1617.7	9760.8	1616.5	9766.5	1617.4	9772.6
GR	1618.2	9781.4	1618.0	9815.4	1618.0	9860.6	1618.0	9880.0	1618.0	9884.8
GR	1617.5	9886.4	1614.7	9894.3	1616.5	9900.6	1618.7	9908.9	1618.2	9950.8
GR	1618.1	9964.3	1618.0	9968.5	1617.4	9969.5	1614.3	9981.9	1614.6	10000.0
GR	1614.7	10001.6	1615.0	10002.3	1618.0	10012.9	1618.0	10095.6	1618.2	10143.8
GR	1617.7	10147.8	1617.3	10155.8	1618.3	10161.5	1618.8	10164.4	1618.6	10176.5
GR	1618.3	10233.2	1618.4	10258.7	1618.4	10292.9	1616.7	10296.7	1616.7	10296.8
GR	1616.7	10297.5	1616.9	10307.9	1616.8	10316.1	1616.7	10317.5	1617.4	10335.4
GR	1617.3	10336.2	1616.0	10346.0	1616.0	10346.3	1616.0	10346.4	1616.0	10346.4
GR	1618.0	10348.2	1618.2	10454.1	1617.8	10578.2	1618.2	10627.4	1618.7	10663.8
GR	1619.0	10670.5	1619.5	10684.1	1620.1	10705.8	1619.3	10729.7	1618.8	10758.7
GR	1618.4	10785.3	1618.1	10792.4	1618.3	10792.5	1617.3	10824.9	1618.0	10848.7
GR	1618.0	10860.0	1617.9	10864.3	1617.0	10867.4	1617.3	10870.8	1617.1	10888.6
GR	1615.3	10958.0	1615.6	10973.4	1616.4	11034.3	1617.7	11040.3	1619.7	11065.1
GR	1620.5	11073.3	1620.5	11073.9	1625.1	11102.6	1626.6	11108.8	1627.3	11117.1
GR	1627.9	11139.5								

NH	9	.055	9498.9	.09	9514.3	.028	9523.3	.09	9532.7	.055
NH	9989.5	.09	10000.0	.028	10028.0	.09	10045.9	.055	11458.4	
ET		7.1	7.1	7.1	7.1	7.1	10965.2	11458.4		
X1	21.309	94	9989.5	10045.9	680	400	550			
GR	1622.0	9384.3	1622.0	9437.1	1621.5	9454.7	1621.4	9460.3	1621.3	9471.7
GR	1621.3	9476.9	1621.7	9498.9	1620.4	9504.2	1616.0	9514.3	1616.1	9519.5
GR	1616.4	9523.3	1619.7	9528.2	1621.5	9532.7	1621.5	9587.5	1621.7	9621.7
GR	1621.2	9684.2	1621.2	9699.7	1621.3	9701.0	1621.7	9711.8	1622.0	9756.6
GR	1621.3	9800.8	1621.3	9801.3	1620.0	9811.5	1620.3	9816.7	1622.4	9827.9
GR	1622.0	9877.9	1622.0	9879.9	1621.9	9880.4	1621.3	9893.5	1621.3	9893.5
GR	1621.5	9921.4	1622.0	9989.5	1621.9	9989.7	1618.0	10000.0	1618.0	10018.3
GR	1618.0	10028.0	1621.5	10043.5	1622.7	10045.9	1622.3	10074.3	1621.8	10114.1
GR	1622.0	10151.7	1622.9	10188.8	1620.8	10196.0	1620.3	10198.8	1620.8	10201.1
GR	1622.2	10209.2	1622.2	10231.9	1622.4	10280.2	1621.7	10326.8	1622.0	10414.5
GR	1621.8	10416.0	1620.8	10422.5	1621.3	10428.0	1621.3	10428.5	1621.3	10432.2
GR	1621.2	10481.3	1621.5	10511.0	1620.7	10516.7	1619.9	10521.4	1620.6	10528.1
GR	1621.6	10533.0	1622.6	10600.0	1622.7	10614.1	1622.7	10631.3	1623.3	10635.8
GR	1624.2	10654.5	1625.2	10664.5	1625.5	10669.5	1627.7	10722.4	1630.6	10777.0
GR	1631.3	10785.2	1631.4	10787.7	1631.8	10857.3	1630.7	10950.0	1630.2	10953.1
GR	1629.3	10962.5	1629.0	10966.3	1628.7	10971.0	1624.6	11006.4	1621.4	11035.8
GR	1621.3	11038.0	1618.2	11177.3	1618.1	11183.5	1618.1	11185.3	1618.8	11225.4
GR	1620.5	11337.5	1620.7	11352.1	1620.7	11354.2	1620.9	11357.0	1620.9	11357.2
GR	1625.7	11406.4	1626.9	11420.8	1629.0	11448.4	1630.3	11458.4		
NH	10	.055	9704.4	.09	9711.5	.028	9719.3	.09	9760.6	.055
NH	9971.8	.09	9982.0	.055	9996.7	.028	10013.2	.09	10032.1	.055
NH	11542									
ET		7.1	7.1	7.1	7.1	7.1	10965.2	11541.5		
X1	21.405	85	9971.8	10032.1	700	380	505			
GR	1622.0	9702.4	1622.0	9704.4	1624.3	9711.5	1626.6	9719.3	1626.6	9760.6
GR	1626.3	9881.7	1626.3	9902.0	1626.2	9922.5	1626.0	9941.5	1625.4	9948.2
GR	1625.8	9961.5	1625.8	9971.8	1623.1	9982.0	1620.7	9990.4	1620.7	9990.4
GR	1623.4	9996.3	1620.8	9996.7	1620.8	10000.0	1621.0	10005.4	1621.2	10013.2
GR	1622.0	10015.6	1622.7	10018.3	1625.5	10026.5	1625.6	10032.1	1625.8	10082.3
GR	1625.8	10101.0	1625.8	10104.2	1626.0	10111.7	1625.7	10163.3	1626.6	10213.6
GR	1626.8	10220.2	1626.8	10220.7	1626.6	10224.9	1626.5	10232.7	1624.7	10362.2
GR	1624.6	10386.1	1624.3	10388.0	1623.3	10390.0	1623.5	10392.5	1624.0	10400.4
GR	1624.6	10416.6	1624.7	10418.2	1624.6	10419.0	1623.3	10428.2	1624.4	10434.8
GR	1624.8	10439.6	1623.9	10489.2	1623.7	10541.0	1623.7	10548.0	1623.7	10553.8
GR	1626.0	10683.1	1626.0	10686.7	1626.0	10697.4	1626.2	10721.8	1627.5	10743.9
GR	1628.3	10795.8	1628.4	10801.6	1628.8	10812.1	1628.9	10815.3	1632.0	10857
GR	1633.0	10890.4	1633.1	10899.2	1633.3	10945.7	1633.5	10965.2	1633.4	10975.4
GR	1632.8	10983.2	1626.8	11045.8	1625.5	11077.4	1624.0	11101.7	1623.2	11133.7
GR	1621.2	11185.9	1620.3	11220.7	1620.2	11227.5	1620.5	11241.0	1622.8	11339.4
GR	1622.8	11343.5	1623.0	11354.9	1623.5	11402.7	1623.3	11418.4	1623.3	11430.2
GR	1627.1	11484.4	1629.9	11513.3	1630.1	11516.1	1631.1	11533.2	1631.3	11542
NH	13	.055	9802.4	.09	9825.3	.028	9841.2	.09	9856.2	.055
NH	9895.5	.09	9926.8	.028	9940.3	.09	9954.9	.055	9988.0	.09
NH	9996.8	.028	10016.4	.09	10024.7	.055	11456.7			
ET		7.1	7.1	7.1	7.1	7.1	10890.0	11456.7		

X1	21.512	95	9895.5	10055.5	510	670	565			
GR	1624.9	9642.5	1625.3	9644.7	1625.4	9644.9	1625.4	9649.4	1625.9	9674.8
GR	1625.9	9676.2	1625.9	9677.7	1624.7	9684.9	1626.6	9689.3	1626.7	9689.6
GR	1626.7	9696.6	1626.8	9697.4	1628.0	9725.6	1628.1	9734.0	1628.7	9760.5
GR	1628.7	9786.7	1628.5	9795.7	1628.2	9802.4	1627.3	9818.9	1626.6	9825.3
GR	1625.7	9829.9	1626.1	9836.3	1626.4	9841.2	1627.1	9846.9	1628.3	9856.2
GR	1628.7	9872.8	1628.7	9895.5	1628.4	9914.8	1628.0	9923.8	1626.8	9925.0
GR	1626.0	9926.8	1626.0	9927.5	1626.0	9931.4	1626.0	9934.9	1625.6	9940.3
GR	1626.8	9944.4	1627.3	9946.6	1627.3	9954.9	1627.0	9978.4	1627.0	9988.0
GR	1626.0	9994.1	1625.3	9996.8	1625.1	10000.0	1625.0	10015.4	1625.1	10016.4
GR	1625.3	10017.5	1625.7	10020.8	1626.3	10024.7	1627.4	10038.2	1628.3	10050.7
GR	1629.0	10055.5	1629.0	10056.8	1629.6	10105.9	1630.1	10174.0	1629.3	10235.7
GR	1628.9	10262.4	1629.2	10293.1	1629.2	10313.4	1629.1	10360.8	1629.0	10392.7
GR	1628.7	10396.2	1628.7	10400.7	1629.3	10403.2	1630.0	10415.6	1629.9	10438.2
GR	1630.3	10565.2	1630.8	10598.6	1632.7	10665.8	1633.3	10697.5	1635.1	10753.5
GR	1635.9	10787.9	1636.4	10799.0	1638.0	10838.1	1638.3	10889.4	1638.3	10889.7
GR	1638.3	10890.0	1636.9	10986.8	1635.7	11026.4	1634.8	11039.7	1633.4	11060.3
GR	1631.0	11092.0	1629.2	11112.1	1628.5	11122.5	1628.2	11125.9	1627.9	11176.3
GR	1627.3	11222.4	1627.9	11244.5	1628.0	11250.9	1627.5	11333.9	1627.4	11361.8
GR	1627.7	11366.2	1628.4	11391.0	1628.9	11403.5	1629.7	11420.0	1632.7	11456.7
NH	9	.055	9869.1	.09	9885.9	.028	9905.2	.09	9917.5	.055
NH	9973.1	.09	9988.3	.028	10001.9	.09	10012.3	.055	11476.6	
ET		7.1	7.1	7.1	7.1	7.1	10802.4	11476.6		
X1	21.578	93	9869.1	10012.3	380	170	350			
GR	1629.3	9669.4	1629.9	9678.4	1630.0	9679.8	1630.2	9683.7	1630.6	9693.9
GR	1631.2	9708.3	1630.9	9710.6	1630.6	9712.5	1628.0	9720.1	1629.3	9724.9
GR	1630.7	9730.1	1631.3	9754.3	1631.2	9755.5	1631.1	9756.5	1630.0	9761.5
GR	1630.0	9768.4	1630.0	9770.0	1630.1	9775.2	1630.4	9789.5	1632.0	9858.3
GR	1632.0	9869.1	1631.7	9871.5	1629.3	9885.9	1628.9	9899.0	1628.8	9905.2
GR	1631.6	9915.3	1631.9	9917.5	1631.6	9951.4	1631.3	9973.1	1631.1	9974.3
GR	1626.7	9988.3	1627.3	10000.0	1627.3	10001.0	1627.5	10001.9	1630.8	10012.3
GR	1630.7	10034.8	1630.7	10035.3	1630.7	10035.5	1630.7	10045.0	1631.2	10054.3
GR	1630.7	10257.8	1632.0	10401.0	1632.0	10403.4	1631.8	10403.7	1630.6	10411.9
GR	1631.7	10416.3	1632.2	10418.8	1632.0	10457.2	1631.7	10477.6	1631.9	10484.1
GR	1632.5	10508.9	1631.3	10514.9	1631.3	10515.3	1631.4	10517.4	1631.9	10535.4
GR	1632.0	10539.4	1632.0	10540.5	1632.9	10601.3	1633.1	10627.2	1633.6	10659.2
GR	1633.8	10682.2	1633.9	10710.5	1634.0	10728.7	1636.8	10784.4	1636.2	10790.7
GR	1636.6	10802.4	1636.5	10803.3	1636.5	10812.4	1636.5	10827.2	1636.0	10877.9
GR	1634.8	10899.6	1632.9	10906.8	1630.5	10926.7	1629.6	10939.0	1630.0	10946.7
GR	1628.9	11056.4	1627.8	11119.7	1727.7	11150.6	1626.5	11191.4	1626.9	11198.9
GR	1627.3	11237.2	1627.2	11254.1	1627.7	11315.5	1629.1	11366.6	1629.4	11387.0
GR	1629.3	11405.6	1629.5	11414.0	1629.6	11414.7	1629.6	11416.9	1630.0	11439.3
GR	1630.7	11465.2	1630.7	11466.5	1631.7	11476.6				
NH	7	.055	9911.3	.09	9932.4	.028	9953.7	.09	9978.2	.028
NH	10024	.09	10038.5	.055	11381.0					
ET		7.1	7.1	7.1	7.1	7.1	10706.3	11381.0		
X1	21.642	94	9911.3	10038.5	285	555	340			
GR	1638.1	9419.9	1637.8	9436.8	1637.0	9493.7	1636.3	9516.2	1636.0	9528.4
GR	1635.5	9555.9	1635.1	9572.1	1635.0	9579.6	1634.1	9597.7	1632.2	9627.7
GR	1632.0	9647.9	1632.0	9647.9	1632.0	9648.1	1632.0	9653.7	1632.3	9671.6
GR	1630.8	9676.3	1629.3	9678.9	1630.4	9682.5	1632.0	9684.7	1632.0	9690.8
GR	1631.6	9694.3	1632.0	9699.4	1632.7	9702.2	1632.7	9706.8	1632.7	9711.0

GR	1630.5	9716.2	1630.0	9717.8	1631.4	9722.8	1632.4	9726.9	1632.7	9728.4
GR	1632.6	9730.3	1632.0	9742.0	1632.4	9747.0	1633.3	9759.5	1633.3	9813.0
GR	1633.3	9911.3	1631.8	9927.3	1630.7	9932.4	1630.4	9939.8	1631.1	9953.7
GR	1631.1	9962.0	1631.1	9972.7	1630.5	9978.2	1630.0	9983.1	1629.7	10000.0
GR	1628.9	10012.0	1629.6	10024	1632.8	10036.4	1633.2	10038.5	1633.1	10073.8
GR	1633.1	10093.3	1633.2	10097.7	1633.3	10105.7	1633.5	10121.0	1634.0	10136.1
GR	1634.6	10148.0	1636.1	10176.5	1637.8	10206.5	1638.0	10234.4	1638.0	10314.5
GR	1637.9	10319.4	1637.9	10319.8	1636.2	10371.8	1636.0	10415.2	1635.5	10444.5
GR	1635.4	10445.7	1635.5	10462.0	1635.4	10472.0	1636.0	10495.4	1637.3	10581.1
GR	1637.3	10581.8	1637.3	10583.2	1638.0	10620.0	1638.5	10632.6	1638.5	10685.3
GR	1638.5	10706.3	1638.4	10710.1	1637.4	10741.6	1635.8	10770.8	1635.5	10781.8
GR	1635.1	10790.9	1634.2	10824.3	1632.1	10929.6	1631.6	10955.6	1631.3	10980.4
GR	1631.2	10989.6	1631.3	11001.7	1631.3	11047.8	1631.5	11096.1	1632.0	11186.0
GR	1632.0	11186.0	1631.6	11192.4	1632.5	11308.3	1633.1	11381.0		
NH	7	.055	9987.0	.09	9998.8	.028	10011.0	.09	10050.2	.028
NH	10116	.09	10137.3	.055	11580					
ET		7.1	7.1	7.1	7.1	7.1	10794.6	11580		
X1	21.717	94	9987.0	10137.3	340	530	395			
GR	1635.3	9711.3	1634.8	9713.1	1632.7	9719.6	1634.8	9725.7	1635.8	9729.5
GR	1635.1	9739.9	1634.7	9745.1	1634.8	9748.1	1635.3	9762.4	1635.3	9772.0
GR	1635.3	9783.1	1634.8	9785.2	1633.7	9787.1	1634.6	9792.3	1635.5	9798.0
GR	1634.9	9805.6	1634.7	9807.9	1634.7	9813.1	1634.6	9815.3	1634.8	9816.8
GR	1635.3	9823.5	1635.4	9849.6	1635.4	9877.0	1635.7	9910.0	1636.0	9933.0
GR	1636.4	9987.0	1633.2	9997.5	1632.7	9998.8	1632.8	10000.0	1633.0	10011.0
GR	1634.7	10019.5	1635.5	10022.9	1636.3	10033.7	1637.0	10041.3	1635.6	10045.3
GR	1633.6	10050.2	1633.6	10089.1	1633.8	10102.9	1633.8	10111.6	1633.3	10116
GR	1634.9	10128.2	1635.0	10128.9	1636.0	10137.3	1636.0	10189.2	1636.1	10200.0
GR	1635.7	10200.5	1634.7	10207.8	1635.0	10213.1	1635.3	10218.8	1635.4	10223.9
GR	1635.6	10230.5	1635.9	10247.8	1636.5	10272.2	1636.9	10285.4	1637.2	10301.4
GR	1640.1	10373.9	1640.4	10387.2	1640.5	10392.1	1640.9	10405.3	1641.7	10430.0
GR	1641.9	10724.9	1642.0	10742.8	1642.0	10794.6	1641.7	10801.3	1640.5	10837.4
GR	1640.3	10853.5	1639.9	10875.1	1639.2	10910.1	1639.0	10924.2	1638.5	10937.5
GR	1638.5	10985.3	1638.0	11009.1	1636.6	11064.1	1635.0	11114.1	1634.8	11127.9
GR	1635.1	11147.5	1635.2	11165.8	1634.0	11207.6	1634.0	11207.9	1634.0	11208.2
GR	1634.0	11214.1	1634.6	11251.2	1634.6	11260.0	1634.7	11267.7	1634.9	11318.2
GR	1635.9	11346.1	1636.5	11374.3	1636.7	11387.7	1636.7	11400.1	1636.6	11419.0
GR	1636.7	11424.6	1636.3	11478.0	1636.4	11506.0	1638.0	11580		
NH	9	.055	9995.9	.09	10000.0	.028	10015.7	.09	10025.2	.055
NH	10178	.09	10194.3	.028	10211.2	.09	10230.6	.055	11626.0	
ET		7.1	7.1	7.1	7.1	7.1	10794.6	11626.0		
X1	21.776	94	9986.2	10230.6	260	450	310			
GR	1637.3	9986.2	1636.8	9995.9	1636.7	9997.0	1636.7	9997.2	1636.6	9997.5
GR	1635.3	10000.0	1634.7	10014.5	1634.7	10015.5	1634.6	10015.7	1635.2	10017.2
GR	1637.4	10024.2	1638.1	10025.2	1638.0	10029.4	1638.0	10033.5	1638.2	10035.1
GR	1639.1	10039.8	1639.2	10041.6	1637.7	10046.7	1637.9	10081.0	1637.3	10107.4
GR	1637.3	10108.0	1637.3	10125.9	1637.1	10130.5	1637.1	10152.7	1638.5	10174.0
GR	1638.7	10178.0	1637.7	10182.2	1634.7	10194.3	1634.7	10198.8	1634.7	10211.2
GR	1636.3	10217.8	1638.7	10230.6	1638.4	10271.2	1638.5	10311.6	1638.1	10314.3
GR	1637.3	10324.4	1637.6	10328.1	1638.2	10332.5	1639.2	10411.3	1639.3	10428.1
GR	1639.7	10435.7	1640.0	10445.9	1640.6	10454.9	1640.7	10459.2	1641.4	10496.4
GR	1641.8	10523.7	1641.9	10527.9	1642.1	10539.4	1642.7	10577.5	1643.1	10583.5
GR	1643.0	10597.6	1643.3	10620.9	1644.9	10676.5	1644.9	10687.7	1645.0	10709.2

GR	1645.8	10726.5	1646.0	10728.5	1646.0	10731.2	1645.9	10736.8	1646.0	10794.6
GR	1645.6	10827.0	1645.2	10847.7	1645.0	10855.2	1644.8	10860.8	1644.8	10863.5
GR	1644.0	10890.2	1644.0	10890.3	1643.9	10892.1	1642.2	10920.8	1642.0	10931.9
GR	1642.0	10933.7	1642.0	10936.9	1642.0	10937.6	1641.0	11012.1	1640.2	11075.4
GR	1639.9	11096.6	1640.3	11105.3	1641.0	11130.2	1641.2	11137.9	1641.3	11143.4
GR	1641.1	11157.3	1640.5	11181.9	1640.0	11203.0	1639.7	11217.6	1639.3	11224.1
GR	1639.3	11226.5	1638.7	11264.0	1638.8	11266.2	1638.8	11274.2	1638.7	11322.6
GR	1638.3	11333.1	1639.6	11412.5	1639.8	11504.3	1640.8	11626.0		
NH	13	.055	9982.5	.09	9991.6	.028	10007.7	.09	10019.4	.055
NH	10302	.09	10308.6	.028	10313.1	.09	10346.8	.028	10353.5	.09
NH	10373	.028	10387.3	.09	10400.0	.055	11739.7			
ET		7.1	7.1	7.1	7.1	7.1	10918.7	11739.7		
X1	21.885	95	9982.5	10443.5	575	400	575			
GR	1641.6	9781.8	1641.9	9783.4	1642.0	9785.2	1641.5	9786.1	1638.7	9791.1
GR	1641.2	9798.4	1641.3	9798.8	1641.6	9825.3	1642.0	9858.9	1642.0	9860.0
GR	1642.1	9860.9	1642.0	9863.9	1642.1	9894.5	1642.0	9926.1	1642.0	9954.1
GR	1641.8	9982.5	1639.4	9991.6	1638.7	9993.7	1638.9	10000.0	1639.3	10007.7
GR	1640.7	10012.8	1642.2	10019.4	1642.1	10064.7	1642.1	10141.6	1642.6	10156.1
GR	1642.6	10208.3	1642.0	10231.6	1641.7	10232.3	1640.0	10239.5	1640.1	10240.1
GR	1641.3	10248.6	1641.6	10273.9	1641.7	10302	1639.6	10308.6	1638.4	10313.1
GR	1640.1	10318.1	1642.3	10325.8	1638.3	10346.8	1638.1	10348.3	1638.6	10350.2
GR	1639.2	10353.5	1641.3	10362.8	1639.3	10373	1637.3	10378.8	1638.7	10387.3
GR	1640.7	10400.0	1641.6	10431.2	1641.9	10443.5	1641.3	10445.5	1640.7	10452.4
GR	1640.7	10452.7	1641.9	10466.0	1641.9	10478.2	1642.7	10521.2	1643.2	10557.7
GR	1643.3	10562.4	1643.3	10565.5	1643.2	10575.4	1643.1	10657.8	1643.3	10663.8
GR	1643.7	10685.3	1644.6	10717.0	1644.6	10733.5	1645.5	10749.5	1646.0	10769.8
GR	1646.5	10798.5	1647.1	10819.2	1647.2	10843.4	1647.3	10845.9	1647.3	10857.7
GR	1647.9	10918.7	1647.3	10945.7	1647.3	10947.9	1647.3	10948.6	1647.3	11009.2
GR	1647.0	11043.2	1646.1	11076.7	1644.8	11110.9	1644.6	11118.5	1644.5	11150.8
GR	1644.5	11158.5	1644.2	11164.7	1643.5	11182.2	1644.4	11208.6	1645.3	11234.3
GR	1645.3	11256.5	1644.9	11293.3	1644.6	11299.1	1644.4	11307.2	1643.3	11323.2
GR	1641.3	11353.5	1641.3	11374.0	1642.4	11603.8	1643.8	11714.0	1644.3	11739.7
NH	15	.055	9994.4	.09	10000.0	.028	10022.4	.09	10036.2	.055
NH	10335	.09	10341.4	.028	10346.6	.09	10357.4	.028	10361.8	.09
NH	10413	.028	10415.3	.09	10464.5	.028	10488.7	.09	10493.7	.055
NH	11920									
ET		7.1	7.1	7.1	7.1	7.1	11072.4	11920		
X1	21.954	94	9973.9	10582.5	390	280	365			
GR	1644.7	9669.2	1644.6	9669.4	1644.7	9790.2	1644.9	9792.8	1645.3	9800.3
GR	1645.1	9805.4	1645.1	9815.0	1645.3	9822.3	1645.3	9822.4	1645.3	9824.1
GR	1644.3	9827.4	1643.4	9829.6	1644.9	9836.3	1645.3	9837.7	1644.7	9917.6
GR	1644.9	9934.5	1645.2	9948.3	1645.3	9950.5	1645.3	9950.8	1646.6	9965.1
GR	1646.6	9973.9	1646.0	9994.4	1644.2	9999.2	1643.9	10000.0	1643.9	10018.0
GR	1644.0	10022.4	1644.7	10025.5	1646.9	10036.2	1646.6	10069.4	1645.3	10167.8
GR	1645.3	10176.5	1645.1	10264.5	1645.3	10276.6	1644.1	10289.5	1644.0	10290.0
GR	1644.0	10290.4	1645.2	10295.9	1645.3	10312.9	1645.5	10335	1643.7	10341.4
GR	1642.5	10345.1	1642.7	10346.6	1644.2	10351.9	1642.7	10357.4	1643.6	10361.8
GR	1644.7	10368.6	1645.8	10395.7	1646.0	10398.8	1645.7	10399.6	1641.5	10413
GR	1642.5	10415.3	1646.0	10424.6	1646.0	10451.8	1646.0	10453.8	1645.8	10454.4
GR	1642.3	10464.5	1643.1	10471.8	1643.3	10474.6	1643.3	10480.7	1643.1	10484.0
GR	1643.7	10488.7	1644.4	10493.7	1644.7	10550.8	1644.9	10569.9	1645.5	10582.5
GR	1646.6	10653.0	1646.7	10660.3	1648.2	10724.5	1647.9	10744.4	1646.9	10776.2

GR	1646.7	10795.3	1646.6	10832.8	1646.6	10844.2	1646.8	10848.7	1648.6	10903.3
GR	1648.7	10908.8	1648.8	10912.5	1648.9	10918.0	1649.7	10950.2	1650.1	10967
GR	1650.7	11068.8	1650.7	11072.0	1650.7	11072.4	1648.5	11098.6	1647.8	11111.8
GR	1647.8	11125.7	1647.3	11163.3	1645.3	11384.6	1645.3	11385.1	1645.3	11385.5
GR	1645.3	11386.0	1644.2	11583	1646.0	11780	1648	11920		
NH	13	.055	9974.5	.09	9982.6	.028	10000.0	.09	10010.4	.055
NH	10183	.09	10193.3	.028	10214.7	.09	10237.8	.028	10254.9	.09
NH	10294	.028	10313.5	.09	10319.5	.055	11680.1			
ET		7.1	7.1	7.1	7.1	7.1	10786.3	11680.1		
X1	22.043	92	9974.5	10365.3	465	460	470			
GR	1648.0	9618.9	1647.1	9622.3	1646.8	9624.2	1646.9	9627.1	1646.7	9629.1
GR	1647.4	9634.2	1647.2	9640.7	1647.3	9641.6	1647.3	9655.8	1648.5	9853.2
GR	1648.6	9968.2	1648.7	9974.5	1646.9	9982.6	1646.9	9982.8	1646.7	9983.5
GR	1646.7	9983.7	1646.8	9985.7	1647.3	10000.0	1649.4	10010.4	1650.0	10013.6
GR	1649.9	10014.0	1650.0	10016.8	1649.1	10069.7	1648.4	10121.1	1647.1	10183
GR	1646.7	10193.3	1646.2	10195.7	1645.3	10199.3	1645.6	10207.8	1646.0	10214.7
GR	1647.2	10220.6	1648.0	10223.9	1647.5	10231.6	1647.3	10235.7	1646.6	10237.8
GR	1645.3	10239.9	1645.3	10251.7	1645.3	10253.6	1645.6	10254.9	1647.0	10260.5
GR	1647.1	10275.5	1647.1	10289.8	1646.9	10294	1646.7	10298.3	1647.0	10300.4
GR	1646.9	10306.5	1646.6	10313.5	1647.1	10319.5	1647.6	10330.0	1648.7	10365.3
GR	1648.5	10397.9	1648.9	10416.9	1648.7	10451.4	1648.5	10481.1	1648.1	10525.0
GR	1648.4	10545.0	1648.8	10572.4	1648.8	10583.4	1648.9	10595.7	1649.0	10623.2
GR	1649.3	10672.6	1649.3	10674.7	1649.3	10675.2	1649.3	10675.5	1649.3	10676.8
GR	1650.0	10705.8	1650.7	10733.5	1651.2	10777.4	1651.5	10784.7	1651.6	10786.3
GR	1650.9	10823.0	1650.7	10836.4	1650.6	10839.2	1650.6	10841.5	1650.1	10856.5
GR	1649.2	10890.0	1649.3	10898.3	1648.1	11142.5	1647.9	11201.3	1647.8	11224.3
GR	1648.0	11261.3	1648.0	11290.3	1649.4	11382.2	1649.8	11412.6	1650.0	11431.8
GR	1651.2	11474.7	1651.2	11501.8	1651.0	11515.2	1650.0	11541.0	1650.2	11588.1
GR	1651.1	11624.4	1652.1	11680.1						
NH	9	.055	9974.9	.09	9985.2	.028	10008.8	.09	10019.9	.055
NH	10146	.09	10154.7	.028	10168.6	.09	10181.1	.055	11249.4	
ET		7.1	7.1	7.1	7.1	7.1	10451.5	11249.4		
X1	22.107	69	9974.9	10216.7	340	320	340			
GR	1660.1	9211.0	1659.0	9247.5	1658.0	9274.0	1658.0	9274.4	1657.9	9277.1
GR	1656.8	9321.7	1656.6	9326.3	1656.1	9342.9	1655.6	9348.1	1655.1	9364.1
GR	1654.8	9370.4	1653.1	9395.3	1652.5	9408.7	1652.4	9434.6	1652.5	9452.7
GR	1652.5	9464.5	1652.3	9468.3	1651.6	9474.9	1649.9	9493.8	1648.9	9506.4
GR	1648.8	9513.7	1648.9	9517.3	1648.2	9523.6	1648.2	9525.9	1648.5	9527.8
GR	1649.5	9535.7	1649.5	9607.0	1650.0	9744.6	1650.0	9750.2	1650.0	9761.3
GR	1650.6	9867.8	1651.1	9926.0	1651.7	9974.9	1650.3	9979.0	1648.7	9985.2
GR	1649.1	10000.0	1649.1	10008.8	1650.6	10014.2	1651.8	10019.9	1651.7	10035.2
GR	1650.2	10123.6	1650.0	10146	1649.0	10150.2	1648.0	10154.7	1648.0	10165.7
GR	1648.0	10167.1	1648.3	10168.6	1649.7	10181.1	1649.7	10183.3	1650.0	10206.9
GR	1650.0	10209.1	1650.0	10216.7	1650.3	10338.5	1651.8	10379.5	1651.9	10387.9
GR	1652.0	10415.5	1652.3	10451.5	1651.3	10470.6	1651.2	10474.7	1651.2	10498.2
GR	1651.0	10541.1	1651.0	10736.8	1650.9	10785.5	1650.9	10816.2	1650.9	11066.3
GR	1651.1	11102.4	1651.3	11150.9	1651.5	11178.6	1654.2	11249.4		

```
NH       6      .055     9969.5       .09     9974.8       .028    10000.0       .09    10032.2       .055
NH   10487       .09    11151.6
ET               7.1        7.1        7.1        7.1        7.1    10232.4    11151.6
        BREAKOUT FROM DAGGS WASH MAIN CHANNEL BEGINS UPSTREAM OF THIS SECTION.
        THIS SECTION MODELS WEST WASH BREAKOUT AT TOYOTA PROVING GRDS.BDY.
        MANNING'S N VALUE HAS BEEN RAISED TO .09 TO MODEL CHAIN LINK FENCE
        WHICH RUNS ALONG THIS SECTION AS PART OF T.P.G.BDY.
        MANNING'S N VALUE LOWERED TO .055 FOR SECTIONS 22.275,22.464 AND 22.560,
        AND AGAIN RAISED AT SEC. 22.560 AT UPSTREAM T.P.G.  FENCE/BDY.
X1   22.179        88     9969.5    10032.2        345        180        380
GR    1661.0    9047.0     1660.7     9066.7     1660.0     9092.1     1659.5     9116.0     1657.4     9171.5
GR    1656.4    9189.8     1655.7     9219.0     1653.1     9318.6     1652.5     9337.9     1651.5     9385.0
GR    1651.3    9407.5     1651.3     9420.1     1651.3     9439.4     1651.2     9443.9     1651.1     9464.3
GR    1651.3    9476.5     1651.3     9490.0     1651.3     9505.5     1651.3     9598.6     1651.3     9607.3
GR    1652.0    9697.1     1652.0     9704.4     1652.0     9761.8     1652.0     9771.3     1652.0     9774.7
GR    1652.0    9808.2     1652.7     9835.5     1652.9     9843.2     1653.0     9848.3     1652.8     9882.3
GR    1652.8    9890.4     1653.0     9904.9     1652.7     9911.0     1652.7     9912.5     1652.7     9918.7
GR    1652.7    9921.4     1652.7     9933.2     1653.7     9969.5     1651.7     9974.8     1650.7     9976.9
GR    1650.8    9982.3     1651.1    10000.0     1652.8    10014.5     1653.2    10017.2     1653.3    10032.2
GR    1653.3   10064.0     1652.1    10072.0     1652.0    10072.4     1652.0    10072.8     1653.1    10088.3
GR    1653.1   10102.1     1653.1    10128.0     1650.9    10133.4     1650.7    10134.2     1651.5    10144.5
GR    1652.0   10148.5     1652.2    10152.3     1653.2    10164.3     1652.6    10166.5     1650.7    10173.6
GR    1651.7   10183.3     1652.2    10187.0     1652.3    10193.0     1652.7    10197.6     1655.8    10230.0
GR    1656.0   10232.4     1656.0    10232.9     1655.6    10269.9     1655.4    10289.0     1654.7    10313.0
GR    1654.3   10330.6     1653.3    10476.3     1653.3    10485.4     1653.3      10487     1653.3    10556.1
GR    1653.1   10602.8     1652.7    10725.3     1652.8    10732.4     1652.2    10820.2     1652.0    10838.0
GR    1652.1   10854.3     1652.2    10992.4     1652.3    11023.4     1653.1    11060.2     1654.1    11083.4
GR    1655.3   11122.3     1656.6    11150.5     1656.6    11151.6

NH       5      .055     9971.3       .09     9983.3       .028    10010.4       .09    10022.9       .055
NH   11066
ET               7.1        7.1        7.1        7.1        7.1    10657.7    11066
DT       2       920        920
        DISCHARGE REDUCED TO 920CFS.
X1   22.275         95     9971.3    10022.9        500        530        505
GR    1660.7    8981.1     1659.6     9044.5     1659.3     9069.8     1658.7     9096.8     1657.5     9126.8
GR    1657.3    9139.9     1656.9     9162.0     1656.3     9173.7     1655.6     9192.2     1655.1     9220.7
GR    1655.0    9250.8     1654.0     9351.3     1654.0     9354.1     1653.7     9389.5     1653.7     9435.0
GR    1653.7    9450.7     1653.7     9454.5     1653.7     9459.4     1653.7     9474.7     1653.8     9482.2
GR    1653.9    9484.9     1653.8     9485.7     1654.5     9520.2     1656.5     9592.2     1656.7     9599.6
GR    1656.7    9600.7     1657.4     9643.0     1658.8     9686.3     1659.2     9739.3     1659.2     9747.3
GR    1659.2    9761.1     1659.0     9765.3     1658.9     9791.1     1658.7     9798.7     1658.7     9804.5
GR    1658.7    9808.3     1657.3     9859.1     1657.3     9862.8     1657.3     9892.6     1656.9     9921.7
GR    1656.6    9932.3     1656.7     9948.1     1656.7     9953.8     1656.7     9957.0     1656.7     9959.0
GR    1656.7    9971.3     1656.7     9978.7     1654.7     9980.6     1653.7     9983.3     1653.7    10000.0
GR    1654.0   10010.4     1655.7    10016.7     1657.3    10022.9     1656.6    10088.1     1655.9    10127.6
GR    1655.8   10160.3     1655.9    10185.0     1656.0    10278.4     1655.6    10281.6     1655.1    10286.2
GR    1655.3   10292.8     1656.0    10330.6     1656.6    10360.2     1656.0    10364.2     1654.7    10374.2
GR    1654.7   10375.1     1655.3    10393.7     1655.3    10411.6     1655.3    10416.2     1655.3      10526
GR    1655.3   10526.8     1655.3    10526.9     1655.9    10545.8     1655.9    10594.2     1656.2    10607.0
GR    1656.4   10638.5     1656.7    10657.7     1656.7    10672.2     1656.7    10707.0     1655.5    10737.3
GR    1655.4   10742.7     1655.4    10751.2     1655.4    10756.8     1655.4    10767.7     1655.4    10821.3
GR    1655.4   10828.2     1655.3    10874.4     1655.6    10877.1     1655.9    10880.0     1655.7    10900.6
```

```
GR   1656.7    10927.3    1657.7    10955.3    1658.3    10983.1    1659.1    11016.3    1660.3    11066

NH       6       .055    9762.9       .05    9970.2       .055    9979.8       .028   10000.0       .05
NH   10509       .055   10952.6
QT       2        370        370
ET                7.1        7.1        7.1        7.1        7.1    10740.1    10952.6
         DISCHARGE REDUCED TO 370CFS.
X1  22.370         56    9970.2    10011.3        540        490        500
GR   1666.3    9580.5    1666.0    9599.8    1666.8    9608.8    1665.1    9637.0    1664.8    9641.3
GR   1664.7    9643.8    1664.7    9647.2    1662.8    9696.0    1662.4    9713.0    1662.5    9725.7
GR   1662.2    9752.9    1662.1    9762.9    1662.5    9786.0    1661.9    9797.4    1660.7    9824.2
GR   1659.9    9872.7    1659.1    9926.0    1659.5    9955.2    1659.8    9970.2    1657.8    9974.8
GR   1656.7    9979.8    1656.7    9989.6    1656.7   10000.0    1660.2   10010.0    1660.7   10011.3
GR   1660.7   10011.8    1659.3   10193.5    1659.1   10306.1    1659.0   10344.0    1658.6   10388.2
GR   1658.2   10429.0    1657.8     10509    1658.1   10514.8    1658.9   10526.2    1658.7   10534.1
GR   1658.3   10537.7    1658.6   10558.9    1659.1   10573.0    1659.0   10580.7    1659.5   10585.5
GR   1660.0   10596.6    1659.1   10647.5    1658.4   10740.1    1659.1   10774.1    1658.0   10784.3
GR   1658.1   10784.8    1659.2   10797.8    1659.3   10800.0    1659.3   10800.7    1659.3   10802.0
GR   1659.3   10839.1    1662.7   10903.6    1662.7   10904.7    1662.8   10905.2    1663.8   10936.0
GR   1664.7   10952.6

NH       5       .055    9986.1       .09    9997.0       .028   10020.0       .09    10030.7       .055
NH   11036
QT       2        300        300
ET                7.1        7.1        7.1        7.1        7.1    10683.9      11036
         DISCHARGE REDUCED TO 300CFS.
X1  22.464         70    9986.1    10030.7        500        400        495
GR   1668.0    9364.1    1667.6    9367.8    1667.1    9383.7    1666.1    9404.8    1665.3    9425.2
GR   1665.1    9431.3    1664.8    9445.8    1664.3    9473.1    1664.0    9488.3    1664.0    9493.6
GR   1663.3    9526.8    1663.2    9605.5    1663.1    9626.9    1662.7    9675.2    1662.7    9676.4
GR   1662.7    9742.0    1662.8    9785.5    1662.9    9791.7    1663.4    9804.3    1663.8    9819.4
GR   1664.0    9870.7    1664.0    9881.2    1663.9    9881.4    1663.5    9883.4    1661.8    9890.7
GR   1662.0    9893.6    1662.3    9904.6    1662.2    9928.8    1661.4    9950.2    1662.5    9986.1
GR   1659.4    9997.0    1659.3    9998.0    1659.3   10000.0    1659.3   10019.8    1659.4   10020.0
GR   1661.8   10025.1    1663.3   10030.7    1663.2   10057.5    1662.2   10190.0    1661.6   10191.0
GR   1661.2   10193.6    1661.3   10196.6    1661.3   10201.2    1661.7   10206.6    1661.6   10227.6
GR   1661.2     10296    1660.8   10308.2    1661.0   10314.9    1661.3   10401.7    1661.3   10408.8
GR   1661.2   10475.8    1661.1   10483.9    1661.3   10513.1    1661.3   10606.2    1661.3   10636.4
GR   1662.9   10658.5    1664.0   10683.9    1663.7   10705.1    1663.0   10718.2    1662.1   10745.3
GR   1661.7   10763.0    1661.3   10781.6    1661.3   10796.0    1661.7   10814.5    1664.5   10994.2
GR   1664.6   11003.1    1664.7   11008.5    1664.8   11009.4    1668.0   11035.4    1668.0     11036

NH       6       .055    9964.3       .09    9970.7       .028   10012.6       .09    10020.2       .055
NH   10080       .09    10850.4
QT       2        250        250
ET                7.1        7.1        7.1        7.1        7.1    10631.2    10850.4
         DISCHARGE REDUCED TO 250CFS. THIS IS UPSTREAM LIMIT OF WEST WASH
         BREAKOUT ANALYSIS.
         MANNING'S N VALUE AGAIN RAISED AT THIS SECTION TO MODEL CHAIN LINK
```

FENCE FORMING T.P.G. BDY. JUST UPSTREAM AND PARRALEL TO THIS SECTION.

X1	22.560	70	9964.3	10020.2	500	430	505			
GR	1668.6	9423.1	1668.4	9443.3	1668.4	9470.2	1668.0	9516.0	1667.7	9545.5
GR	1668.2	9577.6	1668.5	9593.0	1667.5	9606.0	1667.3	9613.6	1665.9	9632.5
GR	1665.1	9640.6	1664.4	9649.3	1664.7	9668.4	1664.5	9674.6	1664.6	9677.3
GR	1664.7	9678.0	1664.7	9682.6	1664.8	9816.0	1665.6	9937.0	1665.8	9964.3
GR	1663.8	9970.7	1662.4	9978.0	1662.2	10000.0	1662.2	10012.6	1664.0	10018.7
GR	1665.0	10020.2	1664.7	10048.4	1664.5	10077.7	1664.7	10080	1664.7	10081.7
GR	1663.9	10095.8	1663.5	10101.8	1664.0	10103.0	1664.4	10109.3	1664.9	10121.6
GR	1664.8	10125.4	1664.9	10147.0	1665.2	10175.6	1666.3	10209.6	1666.3	10217.4
GR	1665.0	10254.6	1665.0	10266.9	1664.9	10275.7	1664.8	10284.6	1665.0	10302.8
GR	1664.5	10347.3	1664.4	10380.3	1664.4	10384.0	1664.5	10442.5	1664.0	10464.1
GR	1664.0	10465.5	1663.8	10470.4	1663.3	10481.6	1663.5	10489.3	1663.6	10502.6
GR	1664.4	10591.3	1664.6	10614.3	1664.7	10622.5	1664.8	10631.2	1665.6	10684.1
GR	1664.9	10708.1	1664.7	10715.9	1664.7	10775.3	1664.7	10795.1	1664.7	10796.3
GR	1667.5	10812.3	1668.7	10819.7	1668.7	10827.1	1668.1	10834.5	1669.0	10850.4
NH	5	.055	9983.4	.09	9988.6	.028	10017.0	.09	10030.5	.055
NH	10921									
QT	2	3120	3120							
X1	-10.89	75	9983.4	10030.5	550	570	550			
GR	1616.2	9693.6	1616.2	9697.2	1616.1	9707.6	1616.0	9710.7	1615.5	9730.6
GR	1610.9	9764.8	1608.9	9777.8	1608.0	9784.6	1607.4	9826.3	1607.3	9827.8
GR	1607.3	9828.5	1607.6	9890.9	1607.8	9904.7	1607.7	9926.5	1607.3	9946.8
GR	1607.4	9952.2	1607.1	9983.4	1604.4	9986.3	1603.0	9988.6	1603.1	10000.0
GR	1603.0	10017.0	1605.4	10024.0	1607.6	10030.5	1607.6	10055.8	1607.8	10084.5
GR	1607.5	10092.2	1606.9	10103.9	1607.1	10120.6	1606.9	10143.4	1606.9	10171.3
GR	1607.5	10182.9	1607.8	10191.3	1607.9	10200.0	1607.7	10260.7	1607.5	10330.8
GR	1607.3	10339.4	1607.1	10340.7	1606.0	10349.9	1606.7	10353.3	1607.3	10360.8
GR	1607.3	10422.2	1607.3	10468.3	1607.1	10470.7	1606.4	10474.8	1606.8	10480.0
GR	1607.3	10483.8	1606.9	10499.6	1606.8	10508.1	1606.4	10510.5	1606.4	10512.2
GR	1606.4	10514.0	1606.9	10517.5	1607.3	10529.2	1607.3	10545.5	1607.1	10566.1
GR	1606.3	10568.4	1605.0	10572.5	1606.0	10578.4	1607.2	10585.0	1607.6	10623.6
GR	1607.5	10645.8	1608.5	10671.0	1609.1	10680.3	1609.1	10684.1	1608.7	10696.9
GR	1608.4	10705.3	1608.7	10721.3	1608.8	10731.6	1609.3	10783.4	1609.9	10807.0
GR	1610.0	10815.3	1610.1	10818.8	1610.3	10830.6	1612.0	10898.7	1613.1	10921
NH	9	.055	9761.8	.09	9772.1	.028	9802.8	.09	9819.4	.055
NH	9945.0	.09	9956.1	.028	10000.0	.09	10036.3	.055	11072.9	
QT	2	829	829							
ET		7.1	7.1				9852.6	9881.8		

REPEAT COMMON SECTION 10.89 FOR TRIBUTARY ANALYSIS OF EAST SPLIT FLOW.
THIS SPLIT FLOW WAS CONSIDERED TO START UPSTREAM AT MAIN CHANNEL SECTION
NO. 11.512, WHERE THE LEFT OVERBANK DISCHARGE OF 829CFS.
SEPARATES TO A DEFINED WASH WHICH REJOINS THE MAIN DAGGS WASH CHANNEL
AT SECTION 10.89.
SECTION 30.996 IS MAIN CHANNEL SECTION NO.10.996 REPEATED WITH 20
ADDED TO THE I.D. NUMBER TO DIFFERENTIATE THE EAST SPLIT FLOW ANALYSIS.
UPSTREAM SECTION I.D. NOS. ARE REPEATED WITH 20 ADDED TO I.D. TO

UPPER LIMIT OF THIS SPLIT FLOW ANALYSIS AT SECTION 31.512.(A.K.A.,SECTION I.D.11.512 OF MAIN CHANNEL).
ENCROACHMENTS ADDED TO RESTRICT FLOW TO THE EAST SPLIT FLOW WASH.

X1	30.996		89	9945.0	10036.3	560	555	555			
GR	1619.1	9652.6	1618.7	9670.0	1616.0	9687.6	1615.1	9693.9	1615.7	9696.1	
GR	1616.3	9699.6	1616.7	9709.0	1617.8	9717.3	1618.8	9728.3	1619.7	9737.0	
GR	1619.6	9743.6	1619.3	9748.3	1618.4	9751.4	1612.3	9761.8	1608.3	9770.0	
GR	1606.0	9772.1	1606.0	9774.8	1605.4	9802.8	1606.6	9807.7	1609.5	9819.4	
GR	1610.5	9881.8	1610.5	9903.3	1610.0	9945.0	1609.4	9946.5	1606.6	9956.1	
GR	1606.4	9970.0	1607.3	10000.0	1609.4	10012.8	1610.2	10016.4	1610.8	10036.3	
GR	1610.9	10066.3	1611.3	10127.3	1611.3	10145.7	1611.3	10150.2	1610.7	10152.2	
GR	1610.0	10154.5	1611.2	10166.1	1611.3	10168.1	1611.4	10214.1	1611.4	10233.2	
GR	1611.9	10327.5	1611.9	10343.4	1611.9	10350.6	1611.8	10366.9	1611.9	10429.8	
GR	1612.7	10454.9	1612.7	10468.2	1612.7	10479.8	1612.7	10505.4	1612.4	10508.3	
GR	1610.7	10514.5	1610.0	10516.3	1612.0	10527.6	1612.0	10527.7	1612.0	10527.8	
GR	1612.0	10527.8	1612.0	10527.9	1612.0	10545.2	1612.0	10577.6	1613.2	10653.6	
GR	1613.2	10658.0	1613.3	10726.8	1613.3	10730.9	1613.3	10731.3	1613.3	10733.7	
GR	1612.7	10775.3	1613.1	10785.1	1614.5	10807.8	1613.5	10827.2	1613.3	10832.0	
GR	1611.4	10845.2	1610.7	10850.4	1610.7	10859.1	1610.7	10868.0	1610.8	10868.8	
GR	1611.8	10876.5	1612.1	10908.3	1612.0	10918.8	1610.7	10922.5	1610.7	10922.6	
GR	1610.7	10923.7	1611.3	10935.2	1611.4	10936.8	1612.1	10988.1	1612.3	11006.8	
GR	1612.5	11026.5	1613.2	11054.5	1613.3	11062.0	1614.2	11072.9			
NH	9	.055	9579.5	.09	9589.0	.028	9601.6	.09	9617.9	.055	
NH	9972.0	.09	9983.6	.028	10004.0	.09	10064.6	.055	11192.9		
ET		7.1	7.1				9549.3	9768.8			
X1	31.101		79	9944.8	10064.6	740	350	555			
GR	1620.7	9549.3	1620.3	9551.3	1614.3	9577.8	1614.0	9579.5	1611.1	9585.2	
GR	1608.2	9589.0	1608.0	9593.4	1608.4	9601.6	1611.7	9609.9	1614.5	9617.9	
GR	1613.4	9669.6	1613.3	9678.0	1613.3	9683.1	1613.8	9716.0	1614.0	9768.8	
GR	1614.0	9793.8	1615.4	9822.3	1615.5	9825.0	1612.8	9872.4	1612.7	9879.0	
GR	1612.9	9895.1	1612.9	9908.5	1612.9	9917.8	1612.3	9926.0	1612.0	9944.8	
GR	1611.0	9972.0	1610.8	9976.4	1610.6	9981.9	1610.6	9983.6	1609.6	10004.0	
GR	1610.7	10046.3	1614.6	10064.6	1614.5	10090.1	1614.2	10180.0	1614.3	10193.5	
GR	1614.0	10262.2	1613.6	10270.7	1613.5	10321.6	1613.3	10328.2	1613.2	10329.8	
GR	1613.3	10335.8	1614.0	10342.1	1614.0	10418.5	1614.0	10423.5	1613.8	10424.4	
GR	1613.0	10428.4	1612.0	10433.4	1614.0	10441.4	1614.0	10441.5	1614.0	10442.0	
GR	1613.3	10505.3	1612.6	10513.2	1612.0	10517.2	1612.9	10522.7	1613.3	10524.1	
GR	1613.9	10562.7	1614.0	10569.1	1613.3	10572.5	1612.6	10575.2	1613.0	10583.3	
GR	1613.4	10594.1	1614.0	10610.9	1614.0	10616.2	1614.7	10641.4	1616.0	10699.0	
GR	1616.2	10703.8	1616.1	10742.7	1614.1	10865.9	1614.0	10870.5	1613.9	10874.1	
GR	1612.7	10914.8	1612.7	10921.8	1613.6	10984.7	1615.1	11044.1	1615.3	11074.1	
GR	1615.8	11088.5	1618.8	11148.9	1620.1	11184.7	1620.1	11192.9			
NH	9	.055	9402.4	.09	9418.2	.028	9434.8	.09	9458.3	.055	
NH	9968.5	.09	9981.9	.028	10002.3	.09	10012.9	.055	10705.8		
ET		7.1	7.1				9160	9637.9			
X1	31.205		90	9968.5	10095.6	500	555	550			
GR	1620	9160	1617.5	9258.2	1616.3	9321.7	1616.4	9331.0	1616.4	9335.8	
GR	1616.5	9344.1	1615.8	9371.0	1614.6	9376.8	1615.2	9381.5	1616.0	9389.0	
GR	1616.4	9402.4	1616.7	9410.3	1615.5	9412.2	1612.8	9418.2	1611.3	9420.9	
GR	1611.0	9424.6	1610.3	9429.5	1613.8	9434.8	1617.7	9439.8	1617.0	9447.0	
GR	1616.5	9458.3	1616.3	9464.7	1615.6	9471.5	1615.3	9474.0	1615.8	9478.6	
GR	1616.7	9487.8	1616.7	9490.0	1616.7	9490.4	1616.8	9491.8	1617.6	9509.6	

GR	1618.0	9517.8	1618.7	9635.3	1618.8	9637.9	1618.8	9639.2	1618.8	9639.4
GR	1618.7	9646.0	1618.0	9707.6	1617.4	9714.0	1617.3	9714.7	1617.8	9719.3
GR	1617.8	9724.0	1618.6	9756.5	1617.7	9760.8	1616.5	9766.5	1617.4	9772.6
GR	1618.2	9781.4	1618.0	9815.4	1618.0	9860.6	1618.0	9880.0	1618.0	9884.8
GR	1617.5	9886.4	1614.7	9894.3	1616.5	9900.6	1618.7	9908.9	1618.2	9950.8
GR	1618.1	9964.3	1618.0	9968.5	1617.4	9969.5	1614.3	9981.9	1614.6	10000.0
GR	1614.7	10001.6	1615.0	10002.3	1618.0	10012.9	1618.0	10095.6	1618.2	10143.8
GR	1617.7	10147.8	1617.3	10155.8	1618.3	10161.5	1618.8	10164.4	1618.6	10176.5
GR	1618.3	10233.2	1618.4	10258.7	1618.4	10292.9	1616.7	10296.7	1616.7	10296.8
GR	1616.7	10297.5	1616.9	10307.9	1616.8	10316.1	1616.7	10317.5	1617.4	10335.4
GR	1617.3	10336.2	1616.0	10346.0	1616.0	10346.3	1616.0	10346.4	1616.0	10346.4
GR	1618.0	10348.2	1618.2	10454.1	1617.8	10578.2	1618.2	10627.4	1620.1	10705.8
NH	9	.055	9498.9	.09	9514.3	.028	9523.3	.09	9532.7	.055
NH	9989.5	.09	10000.0	.028	10028.0	.09	10045.9	.055	10777.0	
ET		7.1	7.1				9437.1	9756.6		
X1	31.309	95	9989.5	10045.9	680	550	550			
GR	1626.2	8819.5	1624.0	8842.5	1622.7	8934.3	1622.7	8949.7	1622.3	8954.8
GR	1622.4	9022.1	1622.1	9032.5	1620.5	9065.9	1620.3	9069.3	1620.0	9075.2
GR	1620.0	9137.5	1620.0	9155.5	1620.4	9165.8	1620.7	9173.1	1616.3	9182.2
GR	1615.2	9184.5	1615.1	9185.0	1619.9	9195.1	1620.7	9197.2	1620.7	9198.5
GR	1620.0	9200.4	1615.6	9210.3	1617.3	9215.2	1620.9	9228.8	1620.7	9235.1
GR	1622.0	9384.3	1622.0	9437.1	1621.5	9454.7	1621.4	9460.3	1621.3	9471.7
GR	1621.3	9476.9	1621.7	9498.9	1620.4	9504.2	1616.0	9514.3	1616.1	9519.5
GR	1616.4	9523.3	1619.7	9528.2	1621.5	9532.7	1621.5	9587.5	1621.7	9621.7
GR	1621.2	9684.2	1621.2	9699.7	1621.3	9701.0	1621.7	9711.8	1622.0	9756.6
GR	1621.3	9800.8	1621.3	9801.3	1620.0	9811.5	1620.3	9816.7	1622.2	9827.9
GR	1622.0	9877.9	1622.0	9879.9	1621.9	9880.4	1621.3	9893.5	1621.3	9893.5
GR	1621.5	9921.4	1622.0	9989.5	1621.9	9989.7	1618.0	10000.0	1618.0	10018.3
GR	1618.0	10028.0	1621.5	10043.5	1622.7	10045.9	1622.3	10074.3	1621.8	10114.1
GR	1622.0	10151.7	1622.9	10188.8	1620.8	10196.0	1620.3	10198.8	1620.8	10201.1
GR	1622.2	10209.2	1622.2	10231.9	1622.4	10280.2	1621.7	10326.8	1622.0	10414.5
GR	1621.8	10416.0	1620.8	10422.5	1621.3	10428.0	1621.3	10428.5	1621.3	10432.2
GR	1621.2	10481.3	1621.5	10511.0	1620.7	10516.7	1619.9	10521.4	1620.6	10528.1
GR	1621.6	10533.0	1622.6	10600.0	1622.7	10614.1	1622.7	10631.3	1623.3	10635.8
GR	1624.2	10654.5	1625.2	10664.5	1625.5	10669.5	1627.7	10722.4	1630.6	10777.0
NH	10	.055	9679.9	.09	9690.8	.028	9704.4	.09	9719.3	.055
NH	9971.8	.09	9982.0	.055	9996.7	.028	10013.2	.09	10032.1	.055
NH	10857									
ET		7.1	7.1				9525.2	9719.3		
X1	31.405	80	9971.8	10032.1	700	350	505			
GR	1631.9	9525.2	1631.9	9528.7	1632.0	9531.7	1631.5	9534.8	1628.6	9556.7
GR	1628.2	9560.7	1625.4	9602.4	1624.7	9606.7	1624.7	9614.7	1624.6	9617.8
GR	1624.5	9617.9	1622.7	9624.5	1624.8	9630.9	1625.3	9632.7	1626.0	9677.1
GR	1626.0	9677.8	1626.0	9678.2	1625.5	9679.9	1621.9	9690.8	1621.7	9692.8
GR	1622.0	9702.4	1622.0	9704.4	1624.3	9711.5	1626.6	9719.3	1626.6	9760.6
GR	1626.3	9881.7	1626.3	9902.0	1626.2	9922.5	1626.0	9941.5	1625.4	9948.2
GR	1625.8	9961.5	1625.8	9971.8	1623.1	9982.0	1620.7	9990.4	1620.7	9990.4
GR	1623.4	9996.3	1620.8	9996.7	1620.8	10000.0	1621.0	10005.4	1621.2	10013.2
GR	1622.0	10015.6	1622.7	10018.3	1625.5	10026.5	1625.6	10032.1	1625.8	10082.3
GR	1625.8	10101.0	1625.8	10104.2	1626.0	10111.7	1625.7	10163.3	1626.6	10213.6
GR	1626.8	10220.2	1626.8	10220.7	1626.6	10224.9	1626.5	10232.7	1624.7	10362.2
GR	1624.6	10386.1	1624.3	10388.0	1623.3	10390.0	1623.5	10392.5	1624.0	10400.4

```
GR   1624.6   10416.6   1624.7   10418.2   1624.6   10419.0   1623.3   10428.2   1624.4   10434.8
GR   1624.8   10439.6   1623.9   10489.2   1623.7   10541.0   1623.7   10548.0   1623.7   10553.8
GR   1626.0   10683.1   1626.0   10686.7   1626.0   10697.4   1626.2   10721.8   1627.5   10743.9
GR   1628.3   10795.8   1628.4   10801.6   1628.8   10812.1   1628.9   10815.3   1632.0     10857

NH     13      .055    9802.4      .09    9825.3      .028    9841.2      .09    9856.2      .055
NH   9895.5      .09    9926.8      .028   9940.3      .09     9954.9      .055   9988.0      .09
NH   9996.8      .028   10016.4     .09    10024.7     .055    10753.5
ET             7.1       7.1                                  9562.7    9895.5
       UPSTREAM END OF EAST SPLIT FLOW ANALYSIS, WHICH MATCHES MAIN
       DAGGS WASH CHANNEL SECTION 11.512.
X1   31.512       95     9895.5   10055.5      510      600      565
GR   1635.3    9226.0    1631.3    9322.4    1630.2    9359.3    1630.1    9364.3    1630.1    9382.7
GR   1630.4    9394.6    1629.6    9408.9    1629.5    9412.6    1629.3    9420.2    1628.3    9458.4
GR   1628.3    9469.0    1628.1    9480.1    1627.6    9508.8    1627.1    9512.2    1626.7    9517.2
GR   1627.2    9519.6    1627.6    9521.7    1628.8    9553.7    1628.8    9562.7    1628.3    9577.4
GR   1628.0    9594.2    1627.3    9612.3    1627.3    9613.4    1626.0    9633.1    1624.1    9638.0
GR   1624.9    9642.5    1625.3    9644.7    1625.4    9644.9    1625.4    9649.4    1625.9    9674.8
GR   1625.9    9676.2    1625.9    9677.7    1624.7    9684.9    1626.6    9689.3    1626.7    9689.6
GR   1626.7    9696.6    1626.8    9697.4    1628.0    9725.6    1628.1    9734.0    1628.7    9760.5
GR   1628.7    9786.7    1628.5    9795.7    1628.2    9802.4    1627.3    9818.9    1626.6    9825.3
GR   1625.7    9829.9    1626.1    9836.3    1626.4    9841.2    1627.1    9846.9    1628.3    9856.2
GR   1628.7    9872.8    1628.7    9895.5    1628.4    9914.8    1628.0    9923.8    1626.8    9925.0
GR   1626.0    9926.8    1626.0    9927.5    1626.0    9931.4    1626.0    9934.9    1625.6    9940.3
GR   1626.8    9944.4    1627.3    9946.6    1627.3    9954.9    1627.0    9978.4    1627.0    9988.0
GR   1626.0    9994.1    1625.3    9996.8    1625.1   10000.0    1625.0   10015.4    1625.1   10016.4
GR   1625.3   10017.5    1625.7   10020.8    1626.3   10024.7    1627.4   10038.2    1628.3   10050.7
GR   1629.0   10055.5    1629.0   10056.8    1629.6   10105.9    1630.1   10174.0    1629.3   10235.7
GR   1628.9   10262.4    1629.2   10293.1    1629.2   10313.4    1629.1   10360.8    1629.0   10392.7
GR   1628.7   10396.2    1628.7   10400.7    1629.3   10403.2    1630.0   10415.6    1629.9   10438.2
GR   1630.3   10565.2    1630.8   10598.6    1632.7   10665.8    1633.3   10697.5    1635.1   10753.5

NH     15      .055    9994.4      .09   10000.0      .028   10022.4      .09   10036.2      .055
NH   10335      .09    10341.4     .028   10346.6      .09    10357.4     .028   10361.8      .09
NH   10413      .028   10415.3     .09    10464.5      .028   10488.7     .09    10493.7      .055
NH   10967
QT       2     1585      1585
       REPEAT MAIN CHANNEL SEC. 11.954 WHICH HAS BEEN ABBREVIATED TO ALLOW
       REPEATING FOR  ANALYSIS OF TRIBUTARY ON EAST SIDE OF MAIN WASH,
       RECEIVES BREAKOUT WEIR FLOW FROM SECTION 12.043 TO 12.275 OF MAIN WASH.
X1   -11.95       90     9973.9   10582.5      390      320      365
GR   1651.4    9445.0    1649.8    9508.6    1650.0    9511.0    1649.2    9533.8    1648.7    9553.1
GR   1648.0    9569.9    1647.4    9595.0    1647.5    9619.9    1647.0    9640.2    1644.8    9665.7
GR   1644.7    9669.2    1644.6    9669.4    1644.7    9790.2    1644.9    9792.8    1645.3    9800.3
GR   1645.1    9805.4    1645.1    9815.0    1645.3    9822.3    1645.3    9822.4    1645.3    9824.1
GR   1644.3    9827.4    1643.4    9829.6    1644.9    9836.3    1645.3    9837.7    1644.7    9917.6
GR   1644.9    9934.5    1645.2    9948.3    1645.3    9950.5    1645.3    9950.8    1646.6    9965.1
GR   1646.6    9973.9    1646.0    9994.4    1644.2    9999.2    1643.9   10000.0    1643.9   10018.0
GR   1644.0   10022.4    1644.7   10025.5    1646.9   10036.2    1646.6   10069.4    1645.3   10167.8
GR   1645.3   10176.5    1645.1   10264.5    1645.3   10276.6    1644.1   10289.5    1644.0   10290.0
GR   1644.0   10290.4    1645.2   10295.9    1645.3   10312.9    1645.5     10335    1643.7   10341.4
GR   1642.5   10345.1    1642.7   10346.6    1644.2   10351.9    1642.7   10357.4    1643.6   10361.8
GR   1644.7   10368.6    1645.8   10395.7    1646.0   10398.8    1645.7   10399.6    1641.5     10413
GR   1642.5   10415.3    1646.0   10424.6    1646.0   10451.8    1646.0   10453.8    1645.8   10454.4
```

GR	1642.3	10464.5	1643.1	10471.8	1643.3	10474.6	1643.3	10480.7	1643.1	10484.0
GR	1643.7	10488.7	1644.4	10493.7	1644.7	10550.8	1644.9	10569.9	1645.5	10582.5
GR	1646.6	10653.0	1646.7	10660.3	1648.2	10724.5	1647.9	10744.4	1646.9	10776.2
GR	1646.7	10795.3	1646.6	10832.8	1646.6	10844.2	1646.8	10848.7	1648.6	10903.3
GR	1648.7	10908.8	1648.8	10912.5	1648.9	10918.0	1649.7	10950.2	1650.1	10967
NH	13	.055	9974.5	.09	9982.6	.028	10000.0	.09	10010.4	.055
NH	10183	.09	10193.3	.028	10214.7	.09	10237.8	.028	10254.9	.09
NH	10294	.028	10313.5	.09	10319.5	.055	10786.3			
QT	2	749	749							
ET		7.1	7.1				9383.6	9974.5		

REPEAT MAIN CHANNEL SEC.NO. 12.043 AND ADD 40 TO NUMBER TO DIFFERENTIATE
FROM OTHER SECTIONS. ENCROACHMENTS WERE ADDED TO RESTRICT FLOW TO
LEFT SIDE (EAST SIDE) OF SECTION.
DISCHARGE REDUCED FROM 1585CFS TO 749 CFS, WHICH WAS COMPUTED WEIR
FLOW INTO EAST OVERBANK.

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

X1	42.043	95	9974.5	10365.3	465	350	470			
GR	1658.4	9383.6	1658.2	9396.5	1658.7	9404.2	1658.6	9405.6	1658.5	9407.1
GR	1657.3	9415.6	1654.7	9434.4	1654.7	9435.0	1653.7	9441.8	1651.2	9459.9
GR	1650.8	9465.8	1649.9	9473.5	1649.3	9486.6	1649.3	9486.9	1649.3	9489.5
GR	1649.2	9495.3	1648.0	9520.2	1648.0	9526.2	1647.4	9541.5	1647.1	9564.5
GR	1646.7	9570.8	1646.7	9572.1	1646.9	9573.4	1647.3	9575.1	1647.6	9586.2
GR	1648.0	9618.9	1647.1	9622.3	1646.8	9624.2	1646.9	9627.1	1646.7	9629.1
GR	1647.4	9634.2	1647.2	9640.7	1647.3	9641.6	1647.3	9655.8	1648.5	9853.2
GR	1648.6	9968.2	1648.7	9974.5	1646.9	9982.6	1646.9	9982.8	1646.7	9983.5
GR	1646.7	9983.7	1646.8	9985.7	1647.3	10000.0	1649.4	10010.4	1650.0	10013.6
GR	1649.9	10014.0	1650.0	10016.8	1649.1	10069.7	1648.4	10121.1	1647.1	10183
GR	1646.7	10193.3	1646.2	10195.7	1645.3	10199.3	1645.6	10207.8	1646.0	10214.7
GR	1647.2	10220.6	1648.0	10223.9	1647.5	10231.6	1647.3	10235.7	1646.6	10237.8
GR	1645.3	10239.9	1645.3	10251.7	1645.3	10253.6	1645.6	10254.9	1647.0	10260.5
GR	1647.1	10275.5	1647.1	10289.8	1646.9	10294	1646.7	10298.3	1647.0	10300.4
GR	1646.9	10306.5	1646.6	10313.5	1647.1	10319.5	1647.6	10330.0	1648.7	10365.3
GR	1648.5	10397.9	1648.9	10416.9	1648.7	10451.4	1648.5	10481.1	1648.1	10525.0
GR	1648.4	10545.0	1648.8	10572.4	1648.8	10583.4	1648.9	10595.7	1649.0	10623.2
GR	1649.3	10672.6	1649.3	10674.7	1649.3	10675.2	1649.3	10675.5	1649.3	10676.8
GR	1650.0	10705.8	1650.7	10733.5	1651.2	10777.4	1651.5	10784.7	1651.6	10786.3
NH	9	.055	9974.9	.09	9985.2	.028	10008.8	.09	10019.9	.055
NH	10146	.09	10154.7	.028	10168.6	.09	10181.1	.055	11249.4	
QT	2	568	568							
ET		7.1	7.1				9211.0	9974.9		

DECREASE DISCHARGE TO 568, WHICH WAS COMPUTED WEIR BREAKOUT FLOW FROM
MAIN CHANNEL UPSTREAM OF THIS SEC.

X1	42.107	69	9974.9	10216.7	340	330	340			
GR	1660.1	9211.0	1659.0	9247.5	1658.0	9274.0	1658.0	9274.4	1657.9	9277.1
GR	1656.8	9321.7	1656.6	9326.3	1656.1	9342.9	1655.6	9348.1	1655.1	9364.1
GR	1654.8	9370.4	1653.1	9395.3	1652.5	9408.7	1652.4	9434.6	1652.5	9452.7
GR	1652.5	9464.5	1652.3	9468.3	1651.6	9474.9	1649.9	9493.8	1648.9	9506.4
GR	1648.8	9513.7	1648.9	9517.3	1648.2	9523.6	1648.2	9525.9	1648.5	9527.6
GR	1649.5	9535.7	1649.5	9607.0	1650.0	9744.6	1650.0	9750.2	1650.0	9761.3
GR	1650.6	9867.8	1651.1	9926.0	1651.7	9974.9	1650.3	9979.0	1648.7	9985.2
GR	1649.1	10000.0	1649.1	10008.8	1650.6	10014.2	1651.8	10019.9	1651.7	10035.2
GR	1650.2	10123.6	1650.0	10146	1649.0	10150.2	1648.0	10154.7	1648.0	10165.7
GR	1648.0	10167.1	1648.3	10168.6	1649.7	10181.1	1649.7	10183.3	1650.0	10206.9

```
GR   1650.0    10209.1    1650.0    10216.7    1650.3    10338.5    1651.8    10379.5    1651.9    10387.9
GR   1652.0    10415.5    1652.3    10451.5    1651.3    10470.6    1651.2    10474.7    1651.2    10498.2
GR   1651.0    10541.1    1651.0    10736.8    1650.9    10785.5    1650.9    10816.2    1650.9    11066.3
GR   1651.1    11102.4    1651.3    11150.9    1651.5    11178.6    1654.2    11249.4

NH      6        .055     9969.5       .09     9974.8        .028   10000.0        .09   10032.2        .055
NH  10487        .09     11151.6
QT      2        362       362
ET               7.1       7.1                                     9047.0    9969.5
      DECREASE DISCHARGE TO 362CFS, WHICH WAS COMPUTED WEIR FLOW BREAKOUT
      BETWEEN MAIN SEC.12.179 AND 12.275.
      THIS IS UPSTREAM LIMIT OF ANALYSIS OF THIS EAST TRIBUTARY.
XI   42.179        88     9969.5    10032.2        345        400        380
GR   1661.0    9047.0    1660.7     9066.7    1660.0     9092.1    1659.5     9116.0    1657.4     9171.5
GR   1656.4    9189.8    1655.7     9219.0    1653.1     9318.6    1652.5     9337.9    1651.5     9385.0
GR   1651.3    9407.5    1651.3     9420.1    1651.3     9439.4    1651.2     9443.9    1651.1     9464.3
GR   1651.3    9476.5    1651.3     9490.0    1651.3     9505.5    1651.3     9598.6    1651.3     9607.3
GR   1652.0    9697.1    1652.0     9704.4    1652.0     9761.8    1652.0     9771.3    1652.0     9774.7
GR   1652.0    9808.2    1652.7     9835.5    1652.9     9843.2    1653.0     9848.3    1652.8     9882.3
GR   1652.8    9890.4    1653.0     9904.9    1652.7     9911.0    1652.7     9912.5    1652.7     9918.7
GR   1652.7    9921.4    1652.7     9933.2    1653.7     9969.5    1651.7     9974.8    1650.7     9976.9
GR   1650.8    9982.3    1651.1    10000.0    1652.8    10014.5    1653.2    10017.2    1653.3    10032.2
GR   1653.3   10064.0    1652.1    10072.0    1652.0    10072.4    1652.0    10072.8    1653.1    10088.3
GR   1653.1   10102.1    1653.1    10128.0    1650.9    10133.4    1650.7    10134.2    1651.5    10144.5
GR   1652.0   10148.5    1652.2    10152.3    1653.2    10164.3    1652.6    10166.5    1650.7    10173.6
GR   1651.7   10183.3    1652.2    10187.0    1652.3    10193.0    1652.7    10197.6    1655.8    10230.0
GR   1656.0   10232.4    1656.0    10232.9    1655.6    10269.9    1655.4    10289.0    1654.7    10313.0
GR   1654.3   10330.6    1653.3    10476.3    1653.3    10485.4    1653.3      10487    1653.3    10556.1
GR   1653.1   10602.8    1652.7    10725.3    1652.8    10732.4    1652.2    10820.2    1652.0    10838.0
GR   1652.1   10854.3    1652.2    10992.4    1652.3    11023.4    1653.1    11060.2    1654.1    11083.4
GR   1655.3   11122.3    1656.6    11150.5    1656.6    11151.6
```

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

*PROF 1

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO .173
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
CONFLUENCE WITH HASSAYAMPA R.).
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI.).

.173	3.77	1253.07	.00	1252.00	1253.30	.24	.00	.00	1253.50
3041.0	1813.6	432.7	794.7	402.1	124.2	355.3	.0	.0	1253.10
.00	4.51	3.48	2.24	.045	.055	.055	.000	1249.30	9508.12
.010069	0.	0.	0.	0	0	7	.00	1105.94	10718.61

FLOW DISTRIBUTION FOR SECNO= .17 CWSEL= 1253.07

STA=	9508.	9540.	9560.	9660.	9680.	9690.	9720.	9760.	9850.	9970.	10060.	10177.	10210.
PER Q=	6.3	6.0	3.4	22.7	3.2	4.0	8.3	4.0	1.7	14.2	3.4	3.7	
AREA=	47.7	41.4	35.0	61.4	21.7	38.1	66.3	58.7	31.8	124.2	51.7	37.8	
VEL=	4.0	4.4	3.0	11.2	4.5	3.2	3.8	2.1	1.6	3.5	2.0	3.0	
DEPTH=	1.5	2.1	.4	3.1	2.2	1.3	1.7	.7	.3	1.5	.4	1.2	

STA=	10210.	10278.	10344.	10460.	10573.	10604.	10719.
PER Q=	3.3	3.9	3.8	3.1	4.2	.7	
AREA=	47.3	48.0	61.5	48.1	39.9	21.2	
VEL=	2.1	2.5	1.9	1.9	3.2	.9	
DEPTH=	.7	.7	.5	.4	1.3	.2	

1490 NH CARD USED

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

*SECNO .261

3265 DIVIDED FLOW

.261	4.94	1257.14	.00	.00	1257.36	.23	4.06	.00	1255.00
3041.0	1631.5	391.4	1018.1	376.1	84.8	455.6	10.7	12.0	1255.90
.04	4.34	4.61	2.23	.037	.041	.059	.000	1252.20	9513.11
.00587B	600.	465.	450.	4	0	0	.00	927.55	10444.70

FLOW DISTRIBUTION FOR SECNO= .26 CWSEL= 1257.14

STA=	9513.	9634.	9651.	9659.	9671.	9799.	9930.	9985.	10001.	10025.	10059.	10146.	10191.
PER Q=	5.0	23.3	13.7	4.0	3.1	3.7	.8	10.0	2.8	3.4	3.2	4.8	
AREA=	71.7	69.4	36.6	31.6	66.1	74.9	25.8	40.3	44.6	58.1	55.4	58.8	
VEL=	2.1	10.2	11.4	3.9	1.4	1.5	1.0	7.6	1.9	1.8	1.7	2.5	
DEPTH=	.6	4.0	4.7	2.5	.5	.6	.5	2.5	1.9	1.7	.6	1.3	

STA=	10191.	10227.	10280.	10345.	10375.	10400.	10444.
PER Q=	3.5	5.1	3.1	3.0	4.1	3.2	
AREA=	44.6	65.1	50.1	36.7	42.1	44.6	
VEL=	2.4	2.4	1.9	2.5	3.0	2.2	
DEPTH=	1.2	1.2	.8	1.2	1.7	1.0	

1490 NH CARD USED
*SECNO .309

3265 DIVIDED FLOW

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

.309	5.26	1259.26	1259.26	.00	1259.84	.58	1.31	.11	1258.10
3041.0	2228.1	357.2	455.7	320.5	97.7	250.6	15.0	16.5	1258.60
.05	6.95	3.65	1.82	.032	.041	.055	.000	1254.00	9772.78
.005415	220.	255.	250.	20	8	0	.00	696.09	10480.37

FLOW DISTRIBUTION FOR SECNO= .31 CWSEL= 1259.26

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

STA=	9773.	9795.	9810.	9815.	9928.	9957.	9974.	10000.	10036.	10316.	10360.	10427.	10473.
PER Q=	15.9	30.6	3.5	5.1	14.5	3.6	9.3	2.5	3.7	3.8	3.4	3.4	
AREA=	62.5	78.9	21.3	67.1	67.2	23.5	47.7	50.1	89.2	52.0	53.8	47.1	
VEL=	7.8	11.8	5.0	2.3	6.6	4.7	5.9	1.5	1.3	2.2	1.9	2.2	
DEPTH=	2.8	5.3	4.3	.6	2.4	1.3	1.9	1.4	.3	1.2	.8	1.0	

STA=	10473.	10480.
PER Q=		.7
AREA=		8.5
VEL=		2.3
DEPTH=		1.1

1490 NH CARD USED
*SECNO .428

3265 DIVIDED FLOW

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

.428	3.09	1264.79	1264.45	.00	1264.97	.18	5.09	.04	1264.50
3041.0	2026.5	135.3	879.2	583.5	46.7	270.0	26.5	27.3	1264.40
.11	3.47	2.90	3.26	.055	.047	.055	.000	1261.70	9436.41
.011997	700.	630.	530.	20	11	0	.00	838.58	10278.81

FLOW DISTRIBUTION FOR SECNO= .43 CWSEL= 1264.79

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

STA=	9436.	9531.	9553.	9565.	9577.	9612.	9700.	9739.	9761.	9769.	9783.	9827.	9855.
PER Q=	6.2	4.6	3.3	3.1	4.1	9.9	6.2	5.0	4.6	4.5	3.5	4.2	
AREA=	71.0	34.7	22.2	21.5	38.7	96.0	52.5	35.8	23.7	28.6	39.2	35.4	
VEL=	2.7	4.0	4.5	4.4	3.2	3.1	3.6	4.2	5.9	4.7	2.7	3.6	
DEPTH=	.8	1.6	1.9	1.8	1.1	1.1	1.3	1.7	2.8	2.0	.9	1.2	

STA=	9855.	9876.	9938.	9969.	9980.	9995.	10003.	10015.	10030.	10095.	10170.	10210.	10255.
PER Q=	3.3	3.1	1.1	.2	.5	2.3	.8	.6	7.9	7.8	6.8	5.9	
AREA=	28.2	38.8	17.1	3.7	11.2	10.4	12.5	8.9	72.7	78.3	55.8	53.7	
VEL=	3.6	2.4	2.0	1.5	1.5	6.9	1.9	2.1	3.3	3.0	3.7	3.3	
DEPTH=	1.3	.6	.6	.3	.7	1.3	1.0	.6	1.1	1.0	1.4	1.2	

STA=	10255.	10279.
PER Q=	.5	
AREA=	9.5	
VEL=	1.6	
DEPTH=	.4	

1490 NH CARD USED
*SECNO .514

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

.514	2.17	1268.17	.00	.00	1268.29	.11	3.31	.01	1268.10
3041.0	2321.7	84.3	635.0	834.7	34.4	259.1	36.3	35.6	1267.80
.15	2.78	2.45	2.45	.055	.037	.055	.000	1266.00	9403.75
.005489	420.	450.	430.	4	0	0	.00	848.20	10255.84

FLOW DISTRIBUTION FOR SECNO= .51 CWSEL= 1268.17

STA=	9404.	9494.	9521.	9585.	9623.	9660.	9706.	9752.	9831.	9860.	9905.	9985.	10000.
PER Q=	5.3	3.7	12.4	8.1	6.7	6.7	5.3	16.2	5.5	4.4	2.1	.4	
AREA=	77.0	42.0	122.0	76.9	68.3	73.6	64.0	156.6	54.1	56.8	43.4	11.7	
VEL=	2.1	2.7	3.1	3.2	3.0	2.8	2.5	3.1	3.1	2.4	1.5	1.0	
DEPTH=	.9	1.6	1.9	2.0	1.8	1.6	1.4	2.0	1.9	1.3	.5	.8	

STA=	10000.	10020.	10031.	10117.	10162.	10228.	10256.
PER Q=	2.3	.1	6.2	8.0	6.4	.2	
AREA=	18.5	4.1	87.2	81.8	82.3	7.8	
VEL=	3.8	.6	2.2	3.0	2.4	.9	
DEPTH=	.9	.4	1.0	1.8	1.2	.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .625

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .69

.625	2.07	1272.57	.00	.00	1272.80	.22	4.48	.03	1271.70
3041.0	2747.5	285.1	8.3	719.6	77.0	3.4	49.3	44.9	1270.80
.19	3.82	3.70	2.49	.055	.062	.055	.000	1270.50	9485.11
.011392	585.	585.	585.	4	0	0	.00	547.48	10032.59

FLOW DISTRIBUTION FOR SECNO= .63 CWSEL= 1272.57

STA=	9485.	9621.	9659.	9718.	9753.	9764.	9822.	9864.	9912.	9931.	9979.	9984.	9995.
PER Q=	14.8	3.5	9.3	9.2	3.1	16.2	12.3	11.7	3.6	6.4	.3	.9	
AREA=	145.9	37.4	79.7	65.0	21.1	110.9	82.5	84.4	28.6	59.2	4.9	13.5	
VEL=	3.1	2.9	3.6	4.3	4.5	4.4	4.5	4.2	3.8	3.3	1.7	2.1	
DEPTH=	1.1	1.0	1.4	1.8	1.9	1.9	2.0	1.8	1.5	1.2	.9	1.3	

STA=	9995.	10003.	10029.	10033.
PER Q=	4.1	4.3	.3	
AREA=	14.4	49.2	3.4	
VEL=	8.7	2.7	2.5	
DEPTH=	1.9	1.9	.9	

1490 NH CARD USED
*SECNO .745

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.43

.745	2.52	1276.52	.00	.00	1276.64	.12	3.84	.01	1275.90
3041.0	2700.6	305.4	35.0	978.3	109.8	24.1	60.2	52.5	1275.30
.24	2.76	2.78	1.46	.055	.056	.055	.000	1274.00	9291.44
.005587	480.	635.	635.	5	0	0	.00	776.64	10068.08

FLOW DISTRIBUTION FOR SECNO= .75 CWSEL= 1276.52

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

STA=	9291.	9404.	9443.	9477.	9565.	9603.	9639.	9693.	9722.	9733.	9752.	9782.	9820.
PER Q=	4.7	5.7	4.3	9.1	4.6	5.3	4.8	4.3	3.4	4.8	6.3	7.6	
AREA=	78.9	62.4	50.0	114.8	54.2	57.5	64.3	45.5	27.8	42.5	59.5	74.1	
VEL=	1.8	2.8	2.6	2.4	2.6	2.8	2.2	2.8	3.7	3.4	3.2	3.1	
DEPTH=	.7	1.6	1.5	1.3	1.4	1.6	1.2	1.6	2.5	2.2	2.0	1.9	

STA=	9820.	9840.	9879.	9928.	9963.	10000.	10015.	10029.	10068.
PER Q=	3.2	7.8	9.7	3.3	3.7	5.4	.9	1.2	
AREA=	33.8	75.7	94.7	42.6	63.5	27.9	18.4	24.1	
VEL=	2.9	3.1	3.1	2.4	1.8	5.9	1.5	1.5	
DEPTH=	1.7	1.9	1.9	1.2	1.7	1.8	1.4	.6	

1490 NH CARD USED
*SECNO .825

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

.825	2.21	1280.01	.00	.00	1280.37	.35	3.65	.07	1277.80
3041.0	1704.2	1336.1	.7	420.9	240.9	.6	68.3	58.4	1279.60
.27	4.05	5.55	1.25	.055	.058	.055	.000	1277.80	9415.80
.017615	390.	425.	420.	2	0	0	.00	515.96	10033.67

FLOW DISTRIBUTION FOR SECNO= .82 CWSEL= 1280.01

STA=	9416.	9463.	9478.	9628.	9666.	9685.	9753.	9793.	9917.	9919.	9975.	10000.	10031.
PER Q=	5.2	3.4	3.8	7.1	4.1	3.2	3.4	25.8	1.1	15.2	21.6	6.0	
AREA=	45.4	21.5	35.5	49.7	27.7	38.8	32.8	169.5	5.5	124.0	55.1	56.2	
VEL=	3.5	4.9	3.2	4.3	4.5	2.5	3.2	4.6	6.1	3.7	11.9	3.3	
DEPTH=	1.0	1.4	.2	1.3	1.4	.6	.8	1.4	2.2	2.2	2.2	1.8	

STA=	10031.	10034.
PER Q=	.0	
AREA=	.6	
VEL=	1.2	
DEPTH=	.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .923

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.92

.923	3.41	1284.01	.00	.00	1284.13	.12	3.74	.02	1283.20
3041.0	1260.4	557.0	1223.6	497.9	167.8	426.8	77.3	64.2	1282.10
.31	2.53	3.32	2.87	.058	.056	.055	.000	1280.60	9616.74
.004795	375.	515.	540.	6	0	0	.00	664.58	10281.31

FLOW DISTRIBUTION FOR SECNO= .92 CWSEL= 1284.01

STA=	9617.	9747.	9761.	9777.	9849.	9904.	9927.	9982.	10000.	10032.	10050.	10072.	10123.
PER Q=	5.0	5.1	4.6	8.7	8.3	4.7	5.0	7.5	6.8	4.0	3.7	7.2	
AREA=	79.0	40.2	40.4	108.2	94.3	46.8	88.8	38.3	90.4	39.2	39.8	83.6	
VEL=	1.9	3.9	3.5	2.5	2.7	3.0	1.7	6.0	2.3	3.1	2.8	2.6	
DEPTH=	.6	3.0	2.6	1.5	1.7	2.1	1.6	2.1	2.8	2.1	1.8	1.7	

STA=	10123.	10150.	10172.	10243.	10270.	10281.
PER Q=	5.3	6.6	12.6	4.2	.6	
AREA=	54.2	56.9	134.5	47.3	10.4	
VEL=	3.0	3.5	2.8	2.7	1.9	
DEPTH=	2.0	2.6	1.9	1.8	.9	

1490 NH CARD USED
*SECNO 1.021

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .60

1.021	3.48	1287.18	.00	.00	1287.86	.68	3.56	.17	1284.10
3041.0	1464.3	1307.6	269.1	269.8	160.2	93.9	86.1	69.4	1285.40
.33	5.43	8.16	2.87	.052	.045	.060	.000	1283.70	9807.20
.013531	400.	515.	550.	2	0	0	.00	315.10	10127.88

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

FLOW DISTRIBUTION FOR SECNO= 1.02 CWSEL= 1287.18

STA=	9807.	9876.	9895.	9919.	9946.	9966.	9980.	10000.	10018.	10072.	10128.
PER Q=	6.3	7.9	21.7	7.1	5.2	6.1	31.2	5.7	6.4	2.4	
AREA=	57.2	43.9	58.6	63.4	46.7	44.1	68.6	47.5	62.3	31.6	
VEL=	3.3	5.4	11.3	3.4	3.4	4.2	13.9	3.6	3.1	2.3	
DEPTH=	.8	2.3	2.5	2.4	2.3	3.2	3.4	2.6	1.2	.6	

1490 NH CARD USED
*SECNO 1.078
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

1.078	4.44	1289.74	.00	.00	1290.03	.28	2.13	.04	1287.90
3041.0	744.7	1427.5	868.7	308.9	259.7	284.3	90.7	72.1	1286.30
.35	2.41	5.50	3.06	.056	.046	.064	.000	1285.30	9750.84
.004493	260.	300.	350.	2	0	0	.00	447.00	10197.84

FLOW DISTRIBUTION FOR SECNO= 1.08 CWSEL= 1289.74

STA=	9751.	9780.	9807.	9829.	9899.	9958.	9965.	10030.	10055.	10064.	10093.	10160.	10198.
PER Q=	4.9	3.6	5.5	6.6	3.4	.4	46.9	7.7	4.8	11.8	4.1	.1	
AREA=	53.8	43.5	51.8	92.5	57.8	9.4	259.7	90.7	34.0	91.3	63.0	5.3	
VEL=	2.8	2.5	3.2	2.2	1.8	1.3	5.5	2.6	4.3	3.9	2.0	.5	
DEPTH=	1.8	1.6	2.4	1.3	1.0	1.3	4.0	3.6	3.7	3.2	.9	.1	

1490 NH CARD USED
*SECNO 1.208

3265 DIVIDED FLOW

1.208	3.35	1292.65	.00	.00	1293.00	.35	2.95	.02	1290.00
3041.0	7.3	1018.9	2014.8	3.5	140.4	761.4	101.1	78.9	1291.70
.39	2.09	7.26	2.65	.055	.029	.055	.000	1289.30	9977.35
.006516	685.	685.	400.	3	0	0	.00	802.97	10801.93

FLOW DISTRIBUTION FOR SECNO= 1.21 CWSEL= 1292.65

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

STA=	9977.	9980.	10025.	10040.	10164.	10238.	10308.	10422.	10443.	10472.	10496.	10508.	10519.
PER Q=		.2	32.4	1.1	3.7	3.0	3.6	6.4	4.6	3.0	4.0	4.4	3.7
AREA=		3.5	119.6	20.7	55.9	45.4	53.1	87.3	41.4	35.7	39.2	31.9	28.0
VEL=		2.1	8.2	1.7	2.0	2.0	2.0	2.2	3.3	2.6	3.1	4.2	4.0
DEPTH=		1.3	2.7	1.4	.5	.6	.8	.8	1.9	1.3	1.6	2.7	2.5

STA=	10519.	10585.	10682.	10749.	10802.
PER Q=		8.3	13.6	7.0	.9
AREA=		91.7	145.0	84.1	22.7
VEL=		2.7	2.9	2.5	1.2
DEPTH=		1.4	1.5	1.3	.4

1490 NH CARD USED
*SECNO 1.296
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1.296	3.23	1296.13	1296.13	.00	1296.56	.43	3.14	.02	1293.90
3041.0	512.2	1310.7	1218.1	182.5	179.1	446.1	108.3	85.3	1295.20
.41	2.81	7.32	2.73	.055	.040	.056	.000	1292.90	9761.17
.010306	465.	465.	320.	5	10	0	.00	795.09	10556.26

FLOW DISTRIBUTION FOR SECNO= 1.30 CWSEL= 1296.13

STA=	9761.	9859.	9900.	9955.	9982.	10018.	10020.	10134.	10167.	10235.	10281.	10323.	10364.
PER Q=		8.0	4.9	4.0	8.7	34.2	.2	7.0	3.9	3.6	4.5	4.1	3.8
AREA=		87.8	48.4	46.3	77.3	98.9	2.9	79.1	38.7	49.8	48.2	43.9	41.9
VEL=		2.8	3.1	2.6	3.4	10.5	1.8	2.7	3.1	2.2	2.9	2.8	2.8
DEPTH=		.9	1.2	.8	2.9	2.7	1.1	.7	1.1	.7	1.1	1.1	1.0

STA=	10364.	10391.	10409.	10501.	10556.
PER Q=		3.9	3.6	5.2	.4
AREA=		35.4	29.4	68.1	11.6
VEL=		3.3	3.7	2.3	1.1
DEPTH=		1.3	1.6	.7	.2

1490 NH CARD USED
*SECNO 1.406

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 8910.0 10322.0 TYPE= 1 TARGET= 1412.000
AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
AND SEC.1.406 (LEFT OF STA. 9800+\-).
THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.

1.406	3.77	1300.47	.00	.00	1300.80	.34	4.24	.01	1299.50
3041.0	368.6	1299.3	1373.2	167.4	250.9	296.8	117.5	93.0	1299.10
.44	2.20	5.18	4.63	.055	.040	.042	.000	1296.70	9326.25
.006316	580.	580.	470.	5	0	0	.00	488.43	10235.31

FLOW DISTRIBUTION FOR SECNO= 1.41 CWSEL= 1300.47

STA=	9326.	9870.	9965.	9978.	10014.	10073.	10111.	10121.	10160.	10185.	10200.	10235.
PER Q=	3.2	8.9	1.3	33.5	7.8	3.6	4.6	25.2	6.0	3.7	2.1	
AREA=	55.3	112.2	21.8	113.2	116.0	45.4	20.8	98.2	69.9	31.6	31.0	
VEL=	1.8	2.4	1.9	9.0	2.1	2.4	6.7	7.8	2.6	3.5	2.0	
DEPTH=	.1	1.2	1.7	3.1	2.0	1.2	2.0	2.5	2.8	2.1	.9	

1490 NH CARD USED
*SECNO 1.466

3265 DIVIDED FLOW

THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
SEC. 1.753.

1.466	3.41	1302.31	.00	.00	1302.83	.52	1.97	.05	1302.20
3041.0	121.1	2709.6	210.3	72.5	447.1	80.9	122.2	96.0	1300.10
.46	1.67	6.06	2.60	.055	.040	.055	.000	1298.90	9285.28
.006316	320.	315.	300.	3	0	0	.00	355.06	10165.96

FLOW DISTRIBUTION FOR SECNO= 1.47 CWSEL= 1302.31

STA=	9285.	9922.	9947.	9956.	9974.	10036.	10058.	10101.	10123.	10163.	10166.
PER Q=	3.7	.3	.3	2.4	58.3	7.2	20.9	3.8	3.1	.0	
AREA=	63.6	8.9	5.7	35.4	195.5	73.6	136.9	38.0	41.8	1.1	
VEL=	1.8	1.1	1.5	2.1	9.1	3.0	4.6	3.0	2.2	1.1	
DEPTH=	.1	.4	.6	2.0	3.2	3.4	3.2	1.7	1.1	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 1.592

3265 DIVIDED FLOW

1.592	3.62	1306.32	.00	.00	1306.68	.36	3.84	.02	1305.40
3041.0	312.6	2565.7	162.7	212.8	493.2	66.4	132.2	103.7	1305.70
.50	1.47	5.20	2.45	.055	.040	.055	.000	1302.70	8897.96
.005443	500.	665.	700.	2	0	0	.00	827.44	10152.32

FLOW DISTRIBUTION FOR SECNO= 1.59 CWSEL= 1306.32

STA=	8898.	9733.	9821.	9899.	9962.	10057.	10088.	10135.	10152.
PER Q=	3.1	4.1	3.1	13.0	67.8	3.6	3.6	1.7	
AREA=	103.7	59.0	50.0	169.2	265.2	58.9	44.1	22.3	
VEL=	.9	2.1	1.9	2.3	7.8	1.8	2.5	2.4	
DEPTH=	.1	.7	.6	2.7	2.8	1.9	.9	1.3	

1490 NH CARD USED
*SECNO 1.753
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO
CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.

1.753	3.92	1313.32	1313.05	.00	1313.58	.26	6.89	.01	1313.80
3041.0	1416.4	855.6	769.0	403.8	164.5	208.3	145.8	116.1	1312.60
.55	3.51	5.20	3.69	.055	.069	.055	.000	1309.40	9521.11
.015971	600.	850.	950.	16	8	0	.00	712.20	10248.05

FLOW DISTRIBUTION FOR SECNO= 1.75 CWSEL= 1313.32

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

STA=	9521.	9600.	9670.	9698.	9749.	9763.	9783.	9860.	9896.	9910.	9925.	9968.	10044.
PER Q=	3.7	4.5	3.1	4.2	4.7	5.6	5.6	4.0	4.1	3.7	3.4	28.1	
AREA=	46.3	50.2	27.6	42.3	26.6	34.8	59.2	34.1	24.6	23.7	34.6	164.5	
VEL=	2.4	2.7	3.4	3.1	5.4	4.9	2.9	3.6	5.0	4.7	3.0	5.2	
DEPTH=	.6	.7	1.0	.8	2.0	1.7	.8	.9	1.8	1.6	.8	2.7	

STA=	10044.	10104.	10142.	10172.	10193.	10222.	10248.
PER Q=	4.1	5.0	4.8	5.1	5.2	1.0	
AREA=	44.2	42.2	37.1	33.4	38.2	13.1	
VEL=	2.8	3.6	3.9	4.7	4.1	2.4	
DEPTH=	.7	1.1	1.2	1.6	1.3	.5	

1490 NH CARD USED
*SECNO 1.857
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

1.857	4.60	1317.40	.00	.00	1317.98	.58	4.30	.10	1313.40
3041.0	32.7	1457.4	1550.9	18.4	174.6	563.4	154.7	122.6	1315.50
.58	1.78	8.35	2.75	.090	.032	.055	.000	1312.80	9968.72
.005172	390.	550.	550.	5	0	0	.00	444.22	10412.94

FLOW DISTRIBUTION FOR SECNO= 1.86 CWSEL= 1317.40

STA=	9969.	9978.	10023.	10060.	10099.	10162.	10181.	10193.	10212.	10222.	10233.	10253.	10284.
PER Q=	1.1	47.9	4.2	4.0	4.1	4.1	4.0	4.6	5.5	3.8	3.2	4.3	
AREA=	18.4	174.6	54.7	50.8	63.4	38.6	31.9	42.6	35.8	30.8	34.3	48.9	
VEL=	1.8	8.3	2.3	2.4	1.9	3.2	3.8	3.3	4.7	3.7	2.8	2.7	
DEPTH=	2.0	3.9	1.5	1.3	1.0	2.0	2.7	2.2	3.8	2.7	1.8	1.6	

STA=	10284.	10313.	10353.	10413.
PER Q=	4.2	3.2	2.0	
AREA=	47.0	45.7	38.9	
VEL=	2.7	2.1	1.5	
DEPTH=	1.6	1.2	.6	

1490 NH CARD USED
*SECNO 1.949
7185 MINIMUM SPECIFIC ENERGY

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

3720 CRITICAL DEPTH ASSUMED

1.949	3.83	1320.13	1320.13	.00	1320.75	.61	2.28	.01	1319.50
3041.0	1.3	2264.3	775.4	2.5	314.6	409.3	162.3	127.5	1318.20
.60	.53	7.20	1.89	.090	.029	.055	.000	1316.30	9955.79
.004745	485.	485.	420.	4	10	0	.00	549.04	10504.83

FLOW DISTRIBUTION FOR SECNO= 1.95 CWSEL= 1320.13

STA=	9956.	9964.	9967.	10060.	10072.	10159.	10230.	10325.	10439.	10488.	10505.
PER Q=	.0	.1	72.8	1.5	4.6	3.1	4.8	9.9	3.1	.0	
AREA=	2.5	2.9	286.7	25.0	77.1	57.6	84.2	140.7	48.6	1.1	
VEL=	.5	1.0	7.7	1.9	1.8	1.6	1.7	2.1	1.9	.3	
DEPTH=	.3	.9	3.1	2.1	.9	.8	.9	1.2	1.0	.1	

1490 NH CARD USED
*SECNO 2.088
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9220.0 10265.3 TYPE= 1 TARGET= 1045.300

2.088	3.80	1325.20	.00	.00	1325.51	.31	4.73	.03	1325.30
3041.0	911.8	1565.7	563.5	305.7	290.9	149.6	174.2	137.4	1324.50
.65	2.98	5.38	3.77	.046	.055	.055	.000	1321.40	9390.85
.009622	880.	735.	580.	7	0	0	.00	656.94	10168.19

FLOW DISTRIBUTION FOR SECNO= 2.09 CWSEL= 1325.20

STA=	9391.	9405.	9482.	9538.	9718.	9776.	9858.	9901.	10028.	10063.	10082.	10100.	10168.
PER Q=	4.3	5.5	8.4	4.1	3.3	3.5	.8	51.5	3.4	9.7	3.5	2.0	
AREA=	20.1	62.9	52.0	58.9	44.5	53.1	14.0	290.9	33.2	54.3	29.8	32.3	
VEL=	6.6	2.7	4.9	2.1	2.3	2.0	1.7	5.4	3.1	5.4	3.6	1.9	
DEPTH=	1.4	.8	.9	.3	.8	.6	.3	2.9	.9	2.9	1.6	.5	

1490 NH CARD USED
*SECNO 2.215

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9200.0 10504.0 TYPE= 1 TARGET= 1304.000

2.215	5.80	1330.90	.00	.00	1331.21	.31	5.70	.00	1330.30
3041.0	1072.5	1479.7	488.7	411.9	254.9	198.4	187.2	148.7	1330.30
.69	2.60	5.80	2.46	.053	.053	.055	.000	1325.10	9227.43
.007118	750.	670.	650.	6	0	0	.00	725.56	10252.12

FLOW DISTRIBUTION FOR SECNO= 2.21 CWSEL= 1330.90

STA=	9227.	9270.	9540.	9556.	9589.	9616.	9694.	9855.	9891.	9960.	9970.	10034.	10095.
PER Q=	5.1	5.5	3.9	3.1	3.3	3.3	3.4	3.6	3.8	.2	48.7	3.1	
AREA=	41.7	42.6	39.0	37.2	36.4	54.8	54.7	42.7	57.0	5.7	254.9	46.9	
VEL=	3.7	4.0	3.1	2.5	2.8	1.8	1.9	2.6	2.0	1.0	5.8	2.0	
DEPTH=	1.0	.2	2.5	1.1	1.3	.7	.3	1.2	.8	.6	4.0	.8	

STA=	10095.	10162.	10187.	10252.
PER Q=	8.9	3.2	.9	
AREA=	93.1	34.6	23.8	
VEL=	2.9	2.8	1.2	
DEPTH=	1.4	1.4	.4	

1490 NH CARD USED
*SECNO 2.340
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9378.5 10216.6 TYPE= 1 TARGET= 838.100

2.340	6.41	1337.01	1337.01	.00	1337.74	.73	6.40	.13	1341.30
3041.0	1056.3	1984.7	.0	271.2	248.5	.0	198.4	157.7	1340.00
.72	3.89	7.99	.00	.047	.055	.000	.000	1330.60	9435.27
.012507	750.	660.	660.	3	8	0	.00	361.29	10044.44

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

FLOW DISTRIBUTION FOR SECNO= 2.34 CWSEL= 1337.01

STA=	9435.	9589.	9600.	9638.	9663.	9709.	9764.	9837.	10052.
PER Q=	7.2	6.3	4.0	4.8	6.0	4.5	1.9	65.3	
AREA=	43.9	21.0	40.5	37.2	53.8	48.7	26.1	248.5	
VEL=	5.0	9.1	3.0	4.0	3.4	2.8	2.2	8.0	
DEPTH=	.3	1.9	1.1	1.5	1.2	.9	.4	4.6	

1490 NH CARD USED
*SECNO 2.438

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.98

OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
HYDRAULIC MODELING MADE FOR ROAD.
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C900. (D.A.=26.14 SQ. MI.).

2.438	3.83	1340.03	.00	.00	1340.65	.62	2.90	.01	1339.80
3277.0	576.1	2699.4	1.5	210.4	394.4	2.3	204.2	161.1	1339.00
.74	2.74	6.85	.64	.041	.028	.090	.000	1336.20	9572.35
.003721	350.	520.	500.	4	0	0	.00	395.91	10089.44

FLOW DISTRIBUTION FOR SECNO= 2.44 CWSEL= 1340.03

STA=	9572.	9741.	9754.	9833.	9955.	9972.	10077.	10085.	10089.
PER Q=	5.5	8.4	3.3	.4	.6	81.1	.6	.0	
AREA=	89.4	40.4	69.5	11.0	18.6	361.7	14.1	2.3	
VEL=	2.0	6.8	1.6	1.2	1.1	7.4	1.5	.6	
DEPTH=	.5	3.0	.9	.1	1.1	3.4	1.8	.5	

1490 NH CARD USED
*SECNO 2.549

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY

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

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9832.0 10730.0 TYPE= 1 TARGET= 898.000

2.549	2.03	1343.93	1343.93	.00	1344.50	.57	3.56	.00	1344.00
3277.0	851.6	207.1	2218.3	126.5	42.1	376.6	212.5	167.6	1344.40
.77	6.73	4.92	5.89	.030	.027	.030	.000	1341.90	9886.37
.009216	505.	585.	800.	3	11	0	.00	482.48	10444.82

FLOW DISTRIBUTION FOR SECNO= 2.55 CWSEL= 1343.93

STA=	9886.	9925.	9957.	9965.	10003.	10018.	10180.	10200.	10215.	10230.	10260.	10340.	10400.
PER Q=	11.1	14.5	.4	6.2	.1	3.9	4.1	4.2	7.0	7.0	3.4	22.1	
AREA=	57.0	61.2	8.3	38.8	3.3	62.7	23.5	21.4	28.9	38.3	27.0	100.6	
VEL=	6.4	7.8	1.7	5.3	.8	2.1	5.7	6.4	7.9	6.0	4.1	7.2	
DEPTH=	1.5	1.9	1.0	1.1	.4	.4	1.2	1.4	1.9	1.3	.3	1.7	

STA=	10400.	10430.	10440.	10445.
PER Q=	11.0	4.6	.3	
AREA=	50.3	19.3	4.6	
VEL=	7.2	7.9	2.4	
DEPTH=	1.7	1.9	1.0	

1490 NH CARD USED
*SECNO 2.593

2.593	2.97	1346.87	.00	.00	1347.22	.35	2.70	.02	1345.40
3277.0	163.5	725.6	2387.8	74.1	120.5	541.7	218.0	172.0	1346.40
.79	2.21	6.02	4.41	.061	.032	.036	.000	1343.90	9916.26
.006032	200.	230.	430.	3	0	0	.00	536.15	10452.42

FLOW DISTRIBUTION FOR SECNO= 2.59 CWSEL= 1346.87

STA=	9916.	9957.	9978.	10015.	10034.	10120.	10150.	10180.	10220.	10240.	10290.	10340.	10370.
PER Q=	4.1	.9	20.5	1.6	5.0	3.6	3.2	9.8	12.1	31.3	3.3	3.2	
AREA=	52.1	22.1	89.5	30.9	80.6	44.0	41.0	60.2	51.4	130.9	56.9	41.0	
VEL=	2.6	1.3	7.5	1.7	2.0	2.7	2.6	5.3	7.7	7.8	1.9	2.6	
DEPTH=	1.3	1.0	2.5	1.6	.9	1.5	1.4	1.5	2.6	2.6	1.1	1.4	

STA=	10370.	10452.
PER Q=	1.3	
AREA=	35.8	
VEL=	1.2	
DEPTH=	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 2.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

2.634	3.15	1348.85	.00	.00	1349.19	.34	1.97	.00	1351.80
3277.0	.0	880.8	2396.2	.0	205.2	498.7	221.4	174.6	1347.80
.81	.00	4.29	4.80	.000	.053	.056	.000	1345.70	9953.45
.017536	220.	220.	200.	2	0	0	.00	561.24	10554.35

FLOW DISTRIBUTION FOR SECNO= 2.63 CWSEL= 1348.85

STA=	9953.	10117.	10161.	10168.	10191.	10207.	10270.	10348.	10401.	10417.	10509.	10532.	10554.
PER Q=	26.9	15.8	4.9	11.4	3.4	7.7	3.4	5.8	6.0	3.7	6.7	4.3	
AREA=	205.2	92.0	21.8	56.5	23.7	67.5	44.3	53.4	33.2	34.8	40.5	30.9	
VEL=	4.3	5.6	7.4	6.6	4.7	3.8	2.5	3.6	5.9	3.4	5.4	4.5	
DEPTH=	1.3	2.1	3.0	2.5	1.5	1.1	.6	1.0	2.1	.4	1.7	1.4	

1490 NH CARD USED
*SECNO 2.730

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.13

2.730	4.08	1351.88	.00	.00	1351.98	.10	2.76	.02	1360.60
3277.0	.0	631.7	2645.3	.0	190.6	1148.5	230.3	180.9	1351.10
.85	.00	3.31	2.30	.000	.060	.055	.000	1347.80	9991.03
.003871	505.	505.	350.	4	0	0	.00	906.32	10897.35

FLOW DISTRIBUTION FOR SECNO= 2.73 CWSEL= 1351.88

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

STA=	9991.	10050.	10159.	10218.	10260.	10288.	10298.	10310.	10325.	10362.	10419.	10510.	10539.
PER Q=	19.3	4.3	3.2	3.2	3.6	4.6	4.9	3.5	3.3	4.1	7.6	3.6	
AREA=	190.6	93.6	60.2	53.1	48.2	37.7	41.1	37.1	51.9	69.4	121.8	48.5	
VEL=	3.3	1.5	1.7	2.0	2.5	4.0	3.9	3.1	2.1	1.9	2.0	2.4	
DEPTH=	3.2	.9	1.0	1.3	1.7	3.6	3.6	2.5	1.4	1.2	1.3	1.7	

STA=	10539.	10581.	10613.	10626.	10651.	10772.	10821.	10839.	10858.	10897.
PER Q=	6.8	5.0	3.2	4.9	3.3	3.8	3.6	3.3	1.0	
AREA=	84.2	62.1	33.5	55.9	82.9	62.6	40.8	39.7	24.1	
VEL=	2.6	2.6	3.2	2.9	1.3	2.0	2.9	2.7	1.3	
DEPTH=	2.0	2.0	2.6	2.2	.7	1.3	2.3	2.0	.6	

1490 NH CARD USED
*SECNO 2.826
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

3470 ENCROACHMENT STATIONS= 9950.0 10643.5 TYPE= 1 TARGET= 693.500

2.826	4.90	1354.20	.00	.00	1354.47	.28	2.44	.05	1355.60
3277.0	.0	701.1	2575.9	.0	149.8	632.4	239.4	187.1	1354.70
.87	.00	4.68	4.07	.000	.067	.055	.000	1349.30	9992.01
.012539	510.	505.	350.	5	0	0	.00	573.67	10594.13

FLOW DISTRIBUTION FOR SECNO= 2.83 CWSEL= 1354.20

STA=	9992.	10063.	10109.	10220.	10251.	10270.	10322.	10430.	10466.	10480.	10500.	10519.	10553.
PER Q=	21.4	6.9	3.8	4.7	5.9	4.0	9.3	9.8	8.0	7.3	5.1	9.9	
AREA=	149.8	53.8	59.4	35.1	38.9	46.1	102.6	65.9	41.6	46.0	36.4	67.6	
VEL=	4.7	4.2	2.1	4.4	5.0	2.8	3.0	4.9	6.3	5.2	4.6	4.8	
DEPTH=	2.7	1.2	.5	1.1	2.0	.9	1.0	1.9	3.0	2.2	1.9	2.0	

STA=	10553.	10586.	10594.
PER Q=	3.8	.0	
AREA=	37.8	1.2	
VEL=	3.3	.8	
DEPTH=	1.1	.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 2.919

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9717.3 10316.2 TYPE= 1 TARGET= 598.900

2.919	4.29	1357.09	.00	.00	1357.57	.49	3.04	.06	1355.80
3277.0	281.2	1969.1	1026.7	133.6	284.2	396.8	247.5	192.3	1356.20
.90	2.11	6.93	2.59	.055	.032	.055	.000	1352.80	9833.77
.004164	400.	490.	430.	3	0	0	.00	476.05	10316.20

FLOW DISTRIBUTION FOR SECNO= 2.92 CWSEL= 1357.09

STA=	9834.	9927.	9942.	9958.	10006.	10022.	10156.	10192.	10211.	10229.	10261.	10281.	10316.
PER Q=	7.2	1.3	2.6	55.2	2.3	4.5	3.3	6.4	6.3	5.7	3.2	2.0	
AREA=	113.4	20.2	42.0	202.3	39.9	94.8	49.2	57.2	56.1	66.1	38.7	34.8	
VEL=	2.1	2.2	2.0	8.9	1.9	1.5	2.2	3.6	3.7	2.8	2.7	1.9	
DEPTH=	1.2	1.4	2.6	4.2	2.4	.7	1.4	3.0	3.1	2.1	1.9	1.0	

1490 NH CARD USED
*SECNO 3.014
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3.014	3.34	1359.14	.00	.00	1359.53	.39	1.95	.01	1358.90
3277.0	10.5	3197.3	69.2	15.6	631.5	44.7	255.9	196.8	1358.30
.93	.68	5.06	1.55	.055	.036	.055	.000	1355.80	9739.07
.003793	470.	500.	450.	3	0	0	.00	341.83	10080.90

FLOW DISTRIBUTION FOR SECNO= 3.01 CWSEL= 1359.14

STA=	9739.	9801.	10027.	10081.
PER Q=	.3	97.6	2.1	
AREA=	15.6	631.5	44.6	
VEL=	.7	5.1	1.6	
DEPTH=	.3	2.8	.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.109
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9743.6 10139.8 TYPE= 1 TARGET= 396.200

3.109	4.76	1361.56	1361.54	.00	1362.65	1.08	2.91	.21	1360.30
3277.0	105.3	3128.5	43.2	31.3	366.7	34.4	262.3	200.2	1360.90
.94	3.36	8.53	1.26	.055	.035	.055	.000	1356.80	9828.10
.010026	550.	500.	470.	3	14	0	.00	263.78	10096.79

FLOW DISTRIBUTION FOR SECNO= 3.11 CWSEL= 1361.56

STA=	9828.	9852.	9977.	10097.
PER Q=	3.2	95.5	1.3	
AREA=	31.3	366.7	34.4	
VEL=	3.4	8.5	1.3	
DEPTH=	1.3	2.9	.3	

1490 NH CARD USED
*SECNO 3.190

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.63

3470 ENCROACHMENT STATIONS= 9839.6 10308.5 TYPE= 1 TARGET= 468.900

3.190	8.60	1364.50	.00	.00	1365.16	.66	2.47	.04	1364.80
3277.0	.0	2596.9	680.1	.0	371.3	157.6	267.0	202.2	1361.00
.96	.00	6.99	4.31	.000	.038	.035	.000	1355.90	9934.08
.003782	440.	430.	390.	3	0	0	.00	154.23	10088.32

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

FLOW DISTRIBUTION FOR SECNO= 3.19 CWSEL= 1364.50

STA=	9934.	10007.	10007.	10044.	10056.	10077.	10084.	10088.
PER Q=	79.2	.2	15.4	2.3	2.4	.4	.0	
AREA=	371.3	1.0	94.8	19.3	34.3	7.7	.6	
VEL=	7.0	6.3	5.3	4.0	2.3	1.6	.5	
DEPTH=	5.1	3.4	2.5	1.6	1.6	1.0	.1	

*SECNO 3.247

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9971.3 10028.7 TYPE= 1 TARGET= 57.400
THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
FLOW TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.

3.247	5.11	1365.11	1365.11	.00	1367.52	2.41	1.78	.52	1360.90
3277.0	323.6	2741.5	211.9	32.0	211.6	25.2	269.8	202.9	1360.50
.97	10.10	12.96	8.42	.032	.032	.032	.000	1360.00	9971.30
.009660	315.	315.	280.	3	14	0	.00	57.40	10028.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1365.11

STA=	9971.	9974.	9979.	10023.	10029.
PER Q=	1.9	8.0	83.7	6.5	
AREA=	10.1	21.9	211.6	25.2	
VEL=	6.2	11.9	13.0	8.4	
DEPTH=	4.1	4.2	4.8	4.6	

CCHV= .300 CEHV= .500
*SECNO 3.251
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR
THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.

3.251	5.28	1366.28	1366.28	.00	1368.94	2.67	.20	.13	1367.00
3277.0	.0	3277.0	.0	.0	250.1	.0	269.9	202.9	1367.00
.97	.00	13.10	.00	.000	.030	.000	.000	1361.00	9976.30
.009956	20.	20.	20.	20	8	0	.00	47.40	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1366.28

STA= 9976. 10024.
PER Q= 100.0
AREA= 250.1
VEL= 13.1
DEPTH= 5.3

*SECNO 3.253

3301 HV CHANGED MORE THAN HVINS

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

THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
WITHIN 47.33 FOOT WIDE SPILLWAY.
BAFFLE BLOCKS ARE 5.67 FOOT WIDE X 3.8 FOOT HIGH (NORMAL TO FLOOR)
BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.

3.253	9.99	1368.39	.00	.00	1369.50	1.11	.09	.47	1369.40
3277.0	.0	3277.0	.0	.0	387.7	.0	270.0	203.0	1369.40
.97	.00	8.45	.00	.000	.030	.000	.000	1358.40	9976.31
.004604	14.	14.	14.	5	0	0	.00	47.39	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1368.39

STA= 9976. 10024.
PER Q= 100.0
AREA= 387.7
VEL= 8.5
DEPTH= 8.2

*SECNO 3.254

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3.254	7.06	1368.46	1368.46	.00	1371.15	2.69	.06	.79	1372.40
3277.0	.0	3277.0	.0	.0	249.1	.0	270.1	203.0	1372.40
.97	.00	13.15	.00	.000	.030	.000	.000	1361.40	9976.34
.018499	7.	7.	7.	20	19	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1368.46

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.1
VEL= 13.2
DEPTH= 5.3

*SECNO 3.256
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.256	7.08	1371.48	1371.48	.00	1374.15	2.67	.13	.00	1375.40
3277.0	.0	3277.0	.0	.0	249.8	.0	270.1	203.0	1375.40
.97	.00	13.12	.00	.000	.030	.000	.000	1364.40	9976.34
.018333	7.	7.	7.	20	5	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1371.48

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.8
VEL= 13.1
DEPTH= 5.3

*SECNO 3.257
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.257	7.08	1374.58	1374.58	.00	1377.25	2.67	.13	.00	1378.50
3277.0	.0	3277.0	.0	.0	249.8	.0	270.2	203.0	1378.50
.97	.00	13.12	.00	.000	.030	.000	.000	1367.50	9976.34
.018355	7.	7.	7.	20	5	0	.00	47.36	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1374.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.8
VEL= 13.1
DEPTH= 5.3

*SECNO 3.259
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.

3.259	7.08	1377.58	1377.58	.00	1380.25	2.67	.13	.00	1381.50
3277.0	.0	3277.0	.0	.0	249.7	.0	270.2	203.0	1381.50
.97	.00	13.12	.00	.000	.030	.000	.000	1370.50	9976.34
.018367	7.	7.	7.	20	5	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1377.59

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.7
VEL= 13.1
DEPTH= 5.3

*SECNO 3.259

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.96

THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.

3.259	8.82	1379.82	.00	.00	1380.78	.95	.01	.52	1380.30
3277.0	.0	3277.0	.0	.0	418.0	.0	270.2	203.0	1380.30
.97	.00	7.84	.00	.000	.030	.000	.000	1371.00	9976.30
.002096	2.	2.	2.	4	0	0	.00	47.40	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.82

STA= 9976. 10024.
PER Q= 100.0
AREA= 418.0
VEL= 7.8
DEPTH= 8.8

*SECNO 3.259

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.14

THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).

3.259	10.88	1380.25	.00	.00	1380.87	.63	.00	.10	1380.30
3277.0	.0	3277.0	.0	.0	515.7	.0	270.2	203.0	1380.30
.97	.00	6.35	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	0.	0.	0.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1380.25

STA= 9976. 10024.
PER Q= 100.0
AREA= 515.7
VEL= 6.4
DEPTH= 10.9

*SECNO 3.262
THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.

3.262	10.88	1380.25	.00	.00	1380.88	.63	.00	.00	1380.30
3277.0	.0	3277.0	.0	.0	516.1	.0	270.4	203.0	1380.30
.97	.00	6.35	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	15.	15.	15.	1	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1380.25

STA= 9976. 10024.
PER Q= 100.0
AREA= 516.1
VEL= 6.3
DEPTH= 10.9

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

*SECNO 3.264

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .45

END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.

3.264	6.35	1379.65	.00	.00	1381.49	1.84	.01	.61	1380.30
3277.0	.0	3277.0	.0	.0	301.0	.0	270.5	203.0	1380.30
.97	.00	10.89	.00	.000	.013	.000	.000	1373.30	9976.30
.001059	13.	13.	13.	3	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.65

STA= 9976. 10024.
PER Q= 100.0
AREA= 301.0
VEL= 10.9
DEPTH= 6.3

*SECNO 3.267

3.267	6.37	1379.67	.00	.00	1381.50	1.83	.01	.00	1380.30
3277.0	.0	3277.0	.0	.0	301.5	.0	270.6	203.0	1380.30
.97	.00	10.87	.00	.000	.013	.000	.000	1373.30	9976.30
.001053	12.	12.	12.	1	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.67

STA= 9976. 10024.
PER Q= 100.0
AREA= 301.5
VEL= 10.9
DEPTH= 6.4

*SECNO 3.269

3.269	6.44	1379.74	.00	.00	1381.53	1.79	.01	.01	1380.30
3277.0	.0	3277.0	.0	.0	305.3	.0	270.7	203.1	1380.30
.97	.00	10.73	.00	.000	.013	.000	.000	1373.30	9976.30
.001014	12.	12.	12.	2	0	0	.00	47.40	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.74

STA= 9976. 10024.
PER Q= 100.0
AREA= 305.3
VEL= 10.7
DEPTH= 6.4

*SECNO 3.273

3.273	6.52	1379.82	.00	.00	1381.57	1.74	.02	.01	1380.30
3277.0	.0	3277.0	.0	.0	309.2	.0	270.8	203.1	1380.30
.97	.00	10.60	.00	.000	.013	.000	.000	1373.30	9976.30
.000975	24.	24.	24.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.82

STA= 9976. 10024.
PER Q= 100.0
AREA= 309.2
VEL= 10.6
DEPTH= 6.5

*SECNO 3.282
END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.

3.282	6.66	1379.96	.00	.00	1381.63	1.67	.05	.02	1380.30
3277.0	.0	3277.0	.0	.0	315.9	.0	271.2	203.1	1380.30
.97	.00	10.37	.00	.000	.013	.000	.000	1373.30	9976.30
.000914	48.	48.	48.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1379.96

STA= 9976. 10024.
PER Q= 100.0
AREA= 315.9
VEL= 10.4
DEPTH= 6.7

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

*SECNO 3.284
3280 CROSS SECTION 3.28 EXTENDED .10 FEET

3301 HV CHANGED MORE THAN HVINS

3.284	7.50	1380.80	.00	.00	1381.83	1.03	.00	.19	1380.70
3277.0	.0	3277.0	.0	.0	402.6	.0	271.2	203.1	1380.70
.97	.00	8.14	.00	.000	.013	.000	.000	1373.30	9973.20
.000480	6.	6.	6.	3	0	0	.00	53.70	10026.90

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1380.80

STA= 9973. 10027.
PER Q= 100.0
AREA= 402.6
VEL= 8.1
DEPTH= 7.5

*SECNO 3.285
3280 CROSS SECTION 3.29 EXTENDED .07 FEET

3.285	7.87	1381.17	.00	.00	1381.92	.75	.00	.08	1381.10
3277.0	.0	3277.0	.0	.0	471.5	.0	271.3	203.1	1381.10
.97	.00	6.95	.00	.000	.013	.000	.000	1373.30	9970.10
.000322	6.	6.	6.	2	0	0	.00	59.90	10030.00

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.17

STA= 9970. 10030.
PER Q= 100.0
AREA= 471.5
VEL= 7.0
DEPTH= 7.9

*SECNO 3.287
END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL

HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).

3.287	8.24	1381.54	.00	.00	1382.00	.47	.00	.08	1381.80
3277.0	.0	3277.0	.0	.0	596.4	.0	271.4	203.2	1381.80
.97	.00	5.49	.00	.000	.013	.000	.000	1373.30	9963.80
.000183	13.	13.	13.	2	0	0	.00	72.40	10036.20

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.54

STA= 9964. 10036.
PER Q= 100.0
AREA= 596.4
VEL= 5.5
DEPTH= 8.2

*SECNO 3.291

3.291	8.58	1381.88	.00	.00	1382.09	.21	.01	.08	1373.30
3277.0	139.6	2997.9	139.6	73.6	792.9	73.6	271.8	203.2	1373.30
.98	1.90	3.78	1.90	.035	.030	.035	.000	1373.30	9936.64
.000332	22.	22.	22.	2	0	0	.00	126.72	10063.36

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.88

STA= 9937. 9954. 10046. 10063.
PER Q= 4.3 91.5 4.3
AREA= 73.6 792.9 73.6
VEL= 1.9 3.8 1.9
DEPTH= 4.3 8.6 4.3

*SECNO 3.299

3.299	8.62	1381.92	.00	.00	1382.11	.19	.01	.01	1373.30
3277.0	213.6	2865.3	198.1	112.6	787.9	104.9	272.7	203.3	1373.30
.98	1.90	3.64	1.89	.035	.030	.035	.000	1373.30	9929.17
.000305	38.	38.	38.	2	0	0	.00	141.88	10071.05

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1381.92

STA= 9929. 9955. 10047. 10071.
PER Q= 6.5 87.4 6.0
AREA= 112.6 787.9 104.9
VEL= 1.9 3.6 1.9
DEPTH= 4.3 8.6 4.3

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

*SECNO 3.302

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

3.302	8.75	1382.05	.00	.00	1382.14	.09	.00	.03	1373.30
3277.0	189.1	2904.3	183.7	144.9	1175.6	141.0	273.3	203.4	1373.30
.98	1.30	2.47	1.30	.035	.030	.035	.000	1373.30	9900.28
.000138	20.	20.	20.	2	0	0	.00	199.63	10099.92

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.05

STA=	9900.	9933.	10068. 10100.
PER Q=	5.8	88.6	5.6
AREA=	144.9	1175.6	141.0
VEL=	1.3	2.5	1.3
DEPTH=	4.4	8.8	4.4

*SECNO 3.306

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

END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.

3.306	8.82	1382.12	.00	.00	1382.16	.04	.00	.02	1373.30
3277.0	245.0	2787.0	245.0	284.8	1738.7	284.8	274.1	203.5	1373.30
.99	.86	1.60	.86	.035	.030	.035	.000	1373.30	9836.93
.000057	20.	20.	20.	2	0	0	.00	326.24	10163.17

FLOW DISTRIBUTION FOR SECNO= 3.31 CWSEL= 1382.12

STA=	9837.	9902.	10099. 10163.
PER Q=	7.5	85.0	7.5
AREA=	284.8	1738.7	284.8
VEL=	.9	1.6	.9
DEPTH=	4.4	8.8	4.4

CCHV= .100 CEHV= .300
*SECNO 3.328

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.28

100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC. PT. I.D.=C90I. (D.A.=26.14 SQ. MI.)

3.328	11.05	1382.15	.00	.00	1382.16	.01	.00	.00	1373.80
4957.0	860.6	3804.3	292.1	2040.8	3700.2	611.0	283.0	205.0	1372.60
1.01	.42	1.03	.48	.055	.032	.055	.000	1371.10	9396.98
.000025	90.	90.	90.	1	0	0	.00	1099.74	10496.72

FLOW DISTRIBUTION FOR SECNO= 3.33 CWSEL= 1382.15

STA=	9397.	9767.	9838.	9888.	9942.	9975.	10375.	10425.	10497.
PER Q=	3.1	3.4	3.1	4.6	3.2	76.7	4.8	1.1	
AREA=	618.1	389.4	327.0	423.8	282.6	3700.2	422.7	188.2	
VEL=	.2	.4	.5	.5	.6	1.0	.6	.3	
DEPTH=	1.7	5.5	6.5	7.8	8.6	9.3	8.4	2.6	

1490 NH CARD USED
*SECNO 3.418
SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
MINIMAL GRADING;

3.418	8.87	1382.17	.00	.00	1382.18	.01	.01	.00	1373.30
4957.0	1707.3	1341.2	1908.5	2815.2	2223.8	3706.7	364.0	218.3	1375.00
1.24	.61	.60	.51	.059	.063	.060	.000	1373.30	9307.99
.000041	460.	475.	465.	0	0	0	.00	1395.52	10703.52

FLOW DISTRIBUTION FOR SECNO= 3.42 CWSEL= 1382.17

STA=	9308.	9433.	9490.	9577.	9627.	9723.	9729.	9991.	10007.	10087.	10139.	10211.	10252.
PER Q=	4.9	4.7	9.3	5.0	9.9	.6	25.1	2.0	6.2	4.2	5.7	3.7	
AREA=	504.7	378.4	679.0	392.8	809.2	51.1	2109.4	114.4	568.5	376.8	520.9	315.1	
VEL=	.5	.6	.7	.6	.6	.6	.6	.9	.5	.5	.5	.6	
DEPTH=	4.0	6.7	7.8	7.9	8.4	8.8	8.1	6.8	7.2	7.2	7.2	7.8	

STA=	10252.	10300.	10354.	10465.	10593.	10678.	10704.
PER Q=	4.7	3.0	3.1	4.6	3.2	.1	
AREA=	362.0	284.3	387.7	513.6	350.9	27.0	
VEL=	.6	.5	.4	.4	.5	.2	
DEPTH=	7.5	5.3	3.5	4.0	4.1	1.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.507

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .34

3.507	5.81	1382.21	.00	.00	1382.23	.02	.04	.01	1377.60
4957.0	958.2	2795.7	1203.1	883.7	2262.9	1006.8	437.0	232.1	1378.50
1.36	1.08	1.24	1.20	.055	.064	.063	.000	1376.40	9257.06
.000350	550.	470.	470.	1	0	0	.00	1029.33	10286.38

FLOW DISTRIBUTION FOR SECNO= 3.51 CWSEL= 1382.21

STA=	9257.	9407.	9454.	9583.	9987.	10000.	10055.	10121.	10202.	10238.	10265.	10286.
PER Q=	3.2	3.2	13.0	49.5	2.1	4.8	5.8	9.1	4.4	4.0	1.0	
AREA=	227.3	146.7	509.7	1985.5	55.9	221.5	264.3	378.3	176.5	134.6	53.1	
VEL=	.7	1.1	1.3	1.2	1.8	1.1	1.1	1.2	1.2	1.5	.9	
DEPTH=	1.5	3.1	3.9	4.9	4.3	4.0	4.0	4.7	4.8	5.0	2.5	

1490 NH CARD USED
*SECNO 3.601

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .18

3.601	2.73	1382.53	.00	.00	1382.76	.23	.47	.06	1380.60
4957.0	2167.3	2718.9	70.8	548.4	718.4	22.5	466.5	241.6	1380.50
1.39	3.95	3.78	3.15	.055	.061	.064	.000	1379.80	9299.15
.010476	430.	495.	460.	2	0	0	.00	740.52	10039.67

FLOW DISTRIBUTION FOR SECNO= 3.60 CWSEL= 1382.53

STA=	9299.	9407.	9520.	9581.	9605.	9642.	9966.	10000.	10023.	10040.
PER Q=	11.2	16.6	5.8	3.9	6.1	41.8	7.4	5.6	1.4	
AREA=	145.9	202.0	84.0	45.5	70.9	592.3	63.9	62.2	22.5	
VEL=	3.8	4.1	3.4	4.3	4.3	3.5	5.8	4.5	3.2	
DEPTH=	1.4	1.8	1.4	1.9	1.9	1.8	1.9	2.7	1.4	

1490 NH CARD USED
*SECNO 3.696

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

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

3.696	3.19	1385.59	.00	.00	1385.86	.27	3.08	.01	1383.60
4957.0	1042.9	3882.5	31.5	471.5	854.4	13.1	481.1	249.7	1382.80
1.42	2.21	4.54	2.41	.057	.037	.055	.000	1382.40	9493.98
.004215	465.	500.	480.	4	0	0	.00	733.82	10227.80

FLOW DISTRIBUTION FOR SECNO= 3.70 CWSEL= 1385.59

STA=	9494.	9609.	9646.	9700.	9808.	9851.	10000.	10010.	10218.	10228.
PER Q=	3.7	4.2	6.3	5.8	1.0	51.8	.7	25.8	.6	
AREA=	102.7	74.1	110.6	138.7	45.4	391.6	21.1	441.7	13.1	
VEL=	1.8	2.8	2.8	2.1	1.1	6.6	1.7	2.9	2.4	
DEPTH=	.9	2.0	2.0	1.3	1.1	2.6	2.0	2.1	1.4	

1490 NH CARD USED
*SECNO 3.791

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

3.791	2.81	1388.91	.00	.00	1389.24	.33	3.37	.02	1388.40
4957.0	1045.5	3891.7	19.8	352.9	790.1	7.0	494.8	259.0	1387.20
1.45	2.96	4.93	2.82	.055	.050	.055	.000	1386.10	9308.63
.013368	440.	500.	410.	2	0	0	.00	985.05	10328.58

FLOW DISTRIBUTION FOR SECNO= 3.79 CWSEL= 1388.91

STA=	9309.	9487.	9527.	9594.	9858.	9880.	9897.	9923.	9984.	10000.	10035.	10090.	10320.
PER Q=	11.8	3.9	3.0	2.4	1.5	8.4	3.1	1.0	1.1	17.2	10.6	35.6	
AREA=	172.0	51.5	54.7	74.7	30.1	39.4	51.9	27.1	22.3	79.7	144.8	394.8	
VEL=	3.4	3.7	2.8	1.6	2.4	10.6	3.0	1.8	2.4	10.7	3.6	4.5	
DEPTH=	1.0	1.3	.8	.3	1.4	2.3	2.0	.4	1.4	2.3	2.6	1.7	

STA=	10320.	10329.
PER Q=	.4	
AREA=	7.0	
VEL=	2.8	
DEPTH=	.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.54

3.888	4.12	1393.22	.00	.00	1393.38	.16	4.12	.02	1391.00
4957.0	1279.2	2944.4	733.4	621.6	848.6	186.6	510.5	270.4	1392.00
1.50	2.06	3.47	3.93	.055	.055	.050	.000	1389.10	8953.63
.005672	430.	510.	570.	3	0	0	.00	1146.94	10100.57

FLOW DISTRIBUTION FOR SECNO= 3.89 CWSEL= 1393.22

STA=	8954.	9123.	9266.	9410.	9515.	9609.	9639.	10015.	10045.	10068.	10091.	10101.
PER Q=	3.0	4.0	4.4	5.0	6.8	2.5	59.4	3.0	4.1	6.4	1.2	
AREA=	99.8	108.8	121.4	113.7	131.9	46.0	848.6	48.9	52.7	68.0	17.0	
VEL=	1.5	1.8	1.8	2.2	2.6	2.7	3.5	3.1	3.9	4.7	3.5	
DEPTH=	.6	.8	.8	1.1	1.4	1.5	2.3	1.6	2.3	3.0	1.7	

1490 NH CARD USED
*SECNO 3.984

3.984	3.99	1396.29	.00	.00	1396.58	.29	3.16	.04	1394.40
4957.0	1243.8	3703.1	10.0	546.3	768.5	4.4	526.1	281.2	1394.20
1.53	2.28	4.82	2.30	.055	.045	.055	.000	1392.30	9006.60
.007919	380.	505.	520.	4	0	0	.00	1039.39	10045.99

FLOW DISTRIBUTION FOR SECNO= 3.98 CWSEL= 1396.29

STA=	9007.	9214.	9264.	9383.	9530.	9674.	9823.	9856.	9975.	9984.	10000.	10023.	10042.
PER Q=	5.5	3.2	5.9	4.6	5.9	24.4	21.1	9.3	.6	7.2	5.6	6.5	
AREA=	133.9	58.8	120.1	112.6	120.9	309.0	103.2	158.4	14.6	40.3	81.4	61.7	
VEL=	2.0	2.7	2.4	2.0	2.4	3.9	10.1	2.9	1.9	8.9	3.4	5.2	
DEPTH=	.6	1.2	1.0	.8	.8	2.1	3.1	1.3	1.5	2.6	3.6	3.2	

STA=	10042.	10046.
PER Q=	.2	
AREA=	4.4	
VEL=	2.3	
DEPTH=	1.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 4.080

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

4.080	4.94	1398.84	.00	.00	1399.03	.19	2.44	.01	1396.70
4957.0	1379.4	2495.4	1082.2	691.7	564.4	431.5	541.3	291.0	1397.20
1.57	1.99	4.42	2.51	.055	.039	.055	.000	1393.90	9270.73
.003757	350.	505.	505.	3	0	0	.00	1028.84	10299.57

FLOW DISTRIBUTION FOR SECNO= 4.08 CWSEL= 1398.84

STA=	9271.	9370.	9445.	9580.	9695.	9757.	9823.	9924.	9963.	10003.	10038.	10102.	10130.
PER Q=	3.7	3.2	7.9	3.5	3.2	6.4	11.2	3.0	32.9	3.3	3.7	3.2	
AREA=	104.0	85.9	188.8	107.9	81.1	124.1	207.9	87.1	182.2	87.2	88.7	57.9	
VEL=	1.8	1.8	2.1	1.6	2.0	2.5	2.7	1.7	8.9	1.8	2.1	2.8	
DEPTH=	1.0	1.1	1.4	.9	1.3	1.9	2.1	2.2	4.6	2.5	1.4	2.1	

STA=	10130.	10151.	10201.	10231.	10300.
PER Q=	3.3	4.1	5.0	2.6	
AREA=	53.9	85.3	77.9	67.9	
VEL=	3.1	2.4	3.2	1.9	
DEPTH=	2.5	1.7	2.6	1.0	

1490 NH CARD USED
*SECNO 4.178

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .63

4.178	4.82	1401.62	.00	.00	1401.99	.38	2.91	.06	1400.40
4957.0	355.0	3284.9	1317.1	169.9	576.0	448.8	558.0	302.3	1400.60
1.60	2.09	5.70	2.93	.055	.045	.055	.000	1396.80	9511.68
.009434	375.	515.	615.	2	0	0	.00	983.50	10498.83

FLOW DISTRIBUTION FOR SECNO= 4.18 CWSEL= 1401.62

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

STA=	9512.	9626.	9799.	9804.	9953.	9989.	10021.	10049.	10141.	10159.	10196.	10314.	10388.
PER Q=	3.2	3.7	.3	23.4	2.9	32.1	7.9	7.3	3.0	3.1	3.3	3.0	
AREA=	73.6	90.8	5.5	286.7	61.9	124.5	103.0	116.6	35.6	49.4	80.5	60.9	
VEL=	2.1	2.0	2.8	4.0	2.3	12.8	3.8	3.1	4.2	3.2	2.0	2.5	
DEPTH=	.6	.5	1.1	1.9	1.7	3.9	3.7	1.3	2.0	1.3	.7	.8	

STA=	10388.	10427.	10499.
PER Q=	4.8	1.9	
AREA=	65.3	40.5	
VEL=	3.7	2.3	
DEPTH=	1.7	.6	

1490 NH CARD USED
*SECNO 4.273

3265 DIVIDED FLOW

4.273	5.47	1405.47	.00	.00	1405.89	.42	3.89	.01	1404.50
4957.0	4.7	3043.0	1909.3	3.6	483.7	725.0	572.9	313.0	1402.80
1.63	1.31	6.29	2.63	.055	.043	.055	.000	1400.00	9909.07
.005918	350.	500.	600.	4	0	0	.00	757.40	10679.01

FLOW DISTRIBUTION FOR SECNO= 4.27 CWSEL= 1405.47

STA=	9909.	9918.	9957.	10000.	10033.	10052.	10114.	10168.	10220.	10408.	10460.	10517.	10589.
PER Q=	.1	9.2	6.9	40.2	5.1	10.9	6.8	3.3	3.6	3.2	3.3	3.2	
AREA=	3.5	109.7	129.5	166.6	77.8	146.1	104.6	66.6	108.1	65.2	68.1	72.8	
VEL=	1.3	4.2	2.6	12.0	3.2	3.7	3.2	2.4	1.7	2.5	2.4	2.2	
DEPTH=	.4	2.9	3.0	5.0	4.1	2.4	1.9	1.3	.6	1.2	1.2	1.0	

STA=	10589.	10679.
PER Q=	4.2	
AREA=	93.5	
VEL=	2.2	
DEPTH=	1.0	

1490 NH CARD USED
*SECNO 4.368

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

4.368	6.15	1409.45	.00	.00	1409.78	.32	3.88	.01	1407.40
4957.0	146.2	1862.0	2948.8	38.9	311.2	856.0	586.7	322.4	1407.10
1.66	3.75	5.98	3.44	.055	.071	.055	.000	1403.30	9933.43
.010673	420.	500.	500.	3	0	0	.00	884.39	10824.43

FLOW DISTRIBUTION FOR SECNO= 4.37 CWSEL= 1409.45

STA=	9933.	9961.	10028.	10057.	10088.	10131.	10181.	10250.	10278.	10321.	10546.	10649.	10747.
PER Q=	3.0	37.6	7.3	8.1	7.4	3.3	4.6	5.1	4.9	5.1	3.6	7.0	
AREA=	38.9	311.2	71.6	78.3	84.2	54.8	76.3	55.9	63.4	122.5	77.6	111.4	
VEL=	3.8	6.0	5.1	5.1	4.4	3.0	3.0	4.5	3.8	2.1	2.3	3.1	
DEPTH=	1.4	4.6	2.5	2.5	2.0	1.1	1.1	2.0	1.5	.5	.8	1.1	

STA=	10747.	10824.
PER Q=	3.0	
AREA=	59.9	
VEL=	2.5	
DEPTH=	.8	

1490 NH CARD USED
*SECNO 4.464

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.67

4.464	5.95	1412.05	.00	.00	1412.41	.35	2.62	.01	1409.40
4957.0	556.9	2364.5	2035.6	216.4	363.2	950.8	599.8	331.3	1410.30
1.69	2.57	6.51	2.14	.055	.040	.055	.000	1406.10	9795.26
.003821	550.	505.	365.	3	0	0	.00	1067.99	10865.77

FLOW DISTRIBUTION FOR SECNO= 4.46 CWSEL= 1412.05

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

STA=	9795.	9925.	9951.	9965.	9988.	10017.	10040.	10098.	10137.	10198.	10221.	10245.	10294.
PER Q=	4.3	4.5	2.4	5.4	37.7	4.6	4.2	3.3	4.3	4.1	4.6	4.2	
AREA=	109.6	69.1	37.7	100.0	173.3	89.9	91.1	67.4	94.0	63.1	68.3	85.0	
VEL=	2.0	3.2	3.2	2.7	10.8	2.5	2.3	2.4	2.3	3.2	3.3	2.4	
DEPTH=	.8	2.7	2.7	4.3	6.0	3.9	1.6	1.7	1.5	2.7	2.8	1.8	

STA=	10294.	10573.	10637.	10714.	10773.	10866.
PER Q=	4.3	3.2	4.4	3.5	1.1	
AREA=	167.6	80.6	106.0	82.2	45.5	
VEL=	1.3	1.9	2.1	2.1	1.2	
DEPTH=	.6	1.3	1.4	1.4	.5	

1490 NH CARD USED
*SECNO 4.541
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

4.541	5.44	1413.74	.00	.00	1414.25	.50	1.80	.04	1412.20
4555.0	1343.0	2411.3	800.7	449.7	327.5	320.3	610.4	338.0	1411.10
1.71	2.99	7.36	2.50	.055	.042	.055	.000	1408.30	9646.26
.006457	390.	406.	300.	3	0	0	.00	701.89	10348.15

FLOW DISTRIBUTION FOR SECNO= 4.54 CWSEL= 1413.74

STA=	9646.	9722.	9784.	9855.	9883.	9903.	9955.	9973.	10000.	10028.	10052.	10074.	10122.
PER Q=	3.0	3.5	5.2	5.0	4.6	6.5	1.8	5.7	40.3	6.9	4.3	4.4	
AREA=	60.6	67.1	88.1	61.6	52.1	92.3	28.1	88.7	144.8	94.0	51.6	70.6	
VEL=	2.3	2.3	2.7	3.7	4.0	3.2	2.9	2.9	12.7	3.3	3.8	2.9	
DEPTH=	.8	1.1	1.3	2.2	2.5	1.8	1.5	3.3	5.1	4.0	2.3	1.5	

STA=	10122.	10243.	10348.
PER Q=	5.3	3.6	
AREA=	114.2	83.8	
VEL=	2.1	2.0	
DEPTH=	.9	.8	

1490 NH CARD USED
*SECNO 4.635

3265 DIVIDED FLOW

4.635	5.71	1416.91	.00	.00	1417.57	.66	3.28	.05	1415.60
4555.0	940.1	2799.2	815.7	360.9	354.5	206.0	621.5	344.7	1414.40
1.73	2.60	7.90	3.96	.055	.038	.061	.000	1411.20	9525.67
.007016	450.	495.	515.	2	0	0	.00	522.46	10146.57

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

FLOW DISTRIBUTION FOR SECNO= 4.64 CWSEL= 1416.91

STA=	9526.	9754.	9793.	9869.	9920.	9973.	9973.	9995.	10021.	10040.	10065.	10088.	10132.
PER Q=	3.1	3.7	4.2	4.0	5.6	.0	5.5	28.3	5.1	22.6	4.0	12.8	
AREA=	73.0	58.0	81.3	65.0	83.3	.4	78.8	110.0	70.6	95.0	61.0	127.9	
VEL=	1.9	2.9	2.4	2.8	3.1	2.7	3.2	11.7	3.3	10.8	3.0	4.5	
DEPTH=	.3	1.5	1.1	1.3	1.6	1.3	3.5	4.3	3.7	3.8	2.7	2.8	

STA=	10132.	10147.
PER Q=	1.1	
AREA=	17.1	
VEL=	2.9	
DEPTH=	1.2	

1490 NH CARD USED
*SECNO 4.731
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

4.731	6.02	1420.42	.00	.00	1420.73	.31	3.13	.03	1419.40
4555.0	585.8	2153.0	1816.2	265.5	405.2	466.2	633.1	350.2	1417.80
1.76	2.21	5.31	3.90	.055	.060	.055	.000	1414.40	9698.87
.005595	400.	505.	550.	2	0	0	.00	517.49	10216.36

FLOW DISTRIBUTION FOR SECNO= 4.73 CWSEL= 1420.42

STA=	9699.	9788.	9859.	9925.	9944.	10025.	10038.	10077.	10096.	10113.	10149.	10178.	10216.
PER Q=	3.5	4.6	3.9	.9	47.3	3.1	10.0	5.3	6.6	9.3	3.4	2.2	
AREA=	78.8	88.7	78.6	19.4	405.2	35.8	110.9	57.0	63.2	103.1	52.5	43.8	
VEL=	2.0	2.3	2.3	2.1	5.3	3.9	4.1	4.2	4.8	4.1	3.0	2.3	
DEPTH=	.9	1.3	1.2	1.0	5.0	2.7	2.9	3.0	3.6	2.9	1.8	1.2	

1490 NH CARD USED
*SECNO 4.827

3470 ENCROACHMENT STATIONS= 9956.0 10368.7 TYPE= 1 TARGET= 412.700

4.827	5.46	1423.96	.00	.00	1424.38	.42	3.62	.03	1428.10
4555.0	.0	2115.3	2439.7	.0	424.5	454.2	645.2	354.8	1420.30
1.79	.00	4.98	5.37	.000	.071	.055	.000	1418.50	9965.72
.008620	450.	505.	560.	4	0	0	.00	271.62	10237.34

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

FLOW DISTRIBUTION FOR SECNO= 4.83 CWSEL= 1423.96

STA=	9966.	10068.	10082.	10097.	10163.	10175.	10237.
PER Q=	46.4	7.4	8.9	29.4	3.4	4.5	
AREA=	424.5	54.5	63.4	230.8	32.0	73.6	
VEL=	5.0	6.2	6.4	5.8	4.8	2.8	
DEPTH=	4.2	3.9	4.1	3.5	2.7	1.2	

1490 NH CARD USED
*SECNO 4.918
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9875.6 10462.6 TYPE= 1 TARGET= 587.000

4.918	6.21	1426.81	.00	.00	1427.09	.28	2.69	.01	1424.00
4555.0	747.8	1931.9	1875.3	225.7	391.3	490.1	655.0	358.1	1424.40
1.82	3.31	4.94	3.83	.055	.058	.055	.000	1420.60	9894.82
.004765	500.	480.	370.	2	0	0	.00	413.06	10446.89

FLOW DISTRIBUTION FOR SECNO= 4.92 CWSEL= 1426.81

STA=	9895.	9952.	9982.	9993.	10076.	10118.	10139.	10199.	10231.	10447.
PER Q=	10.0	4.9	1.5	42.4	9.3	6.5	18.9	6.0	.6	
AREA=	133.6	68.5	23.6	391.3	115.2	71.6	203.1	80.0	20.2	
VEL=	3.4	3.3	3.0	4.9	3.7	4.1	4.2	3.4	1.3	
DEPTH=	2.3	2.3	2.0	4.7	2.8	3.3	3.4	2.5	.1	

1490 NH CARD USED
*SECNO 5.011
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

5.011	6.12	1429.42	.00	.00	1429.69	.26	2.59	.00	1427.10
4555.0	1802.5	1445.6	1306.9	488.6	286.6	378.3	667.0	363.2	1427.00
1.85	3.69	5.04	3.45	.055	.068	.055	.000	1423.30	9737.98
.006621	525.	490.	390.	2	0	0	.00	562.62	10300.60

FLOW DISTRIBUTION FOR SECNO= 5.01 CWSEL= 1429.42

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

STA=	9738.	9808.	9840.	9871.	9885.	9924.	9951.	9969.	9984.	10043.	10127.	10139.	10258.
PER Q=	5.1	3.9	4.1	3.4	9.5	5.9	4.3	3.4	31.7	18.9	3.1	6.3	
AREA=	85.0	55.9	56.6	36.6	103.3	67.2	46.3	37.7	286.6	211.3	33.8	120.5	
VEL=	2.7	3.2	3.3	4.2	4.2	4.0	4.2	4.1	5.0	4.1	4.2	2.4	
DEPTH=	1.2	1.8	1.8	2.6	2.6	2.5	2.6	2.5	4.8	2.5	2.7	1.0	

STA=	10258.	10301.
PER Q=	.3	
AREA=	12.8	
VEL=	1.0	
DEPTH=	.3	

1490 NH CARD USED
*SECNO 5.106

5.106	6.08	1431.88	.00	.00	1432.22	.34	2.51	.02	1428.80
4555.0	2136.7	2027.5	390.8	655.9	333.9	150.1	680.0	369.0	1429.60
1.88	3.26	6.07	2.60	.055	.045	.055	.000	1425.80	9650.95
.003985	510.	500.	460.	2	0	0	.00	465.87	10116.81

FLOW DISTRIBUTION FOR SECNO= 5.11 CWSEL= 1431.88

STA=	9651.	9744.	9788.	9845.	9886.	9909.	9916.	9927.	9940.	9964.	9988.	10009.	10031.
PER Q=	4.3	5.0	6.1	3.8	5.3	3.8	7.4	5.6	5.6	7.0	32.1	5.5	
AREA=	98.1	85.6	107.4	70.2	68.9	35.8	63.1	55.0	71.8	110.8	130.8	92.3	
VEL=	2.0	2.6	2.6	2.5	3.5	4.8	5.4	4.6	3.5	2.9	11.2	2.7	
DEPTH=	1.1	1.9	1.9	1.7	3.0	4.8	5.6	4.5	3.0	4.6	6.1	4.2	

STA=	10031.	10059.	10102.	10117.
PER Q=	4.0	4.2	.5	
AREA=	61.7	75.9	12.6	
VEL=	2.9	2.5	1.7	
DEPTH=	2.2	1.7	.9	

1490 NH CARD USED
*SECNO 5.201

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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

3470 ENCROACHMENT STATIONS= 9783.7 10186.0 TYPE= 1 TARGET= 402.300

5.201	6.07	1434.47	1434.47	.00	1435.55	1.08	2.85	.22	1432.50
4555.0	1299.0	2849.2	406.8	338.7	282.1	98.8	690.8	373.5	1431.30
1.90	3.84	10.10	4.12	.055	.038	.055	.000	1428.40	9787.58
.008711	510.	500.	490.	2	5	0	.00	305.24	10092.82

FLOW DISTRIBUTION FOR SECNO= 5.20 CWSEL= 1434.47

STA=	9788.	9819.	9837.	9866.	9977.	9991.	10017.	10037.	10052.	10077.	10093.
PER Q=	4.5	6.6	3.5	14.0	3.5	51.3	7.8	4.5	3.8	.6	
AREA=	55.2	57.0	45.1	181.4	46.4	149.0	86.6	41.3	45.2	12.3	
VEL=	3.7	5.3	3.5	3.5	3.4	15.7	4.1	5.0	3.8	2.3	
DEPTH=	1.8	3.0	1.6	1.6	3.3	5.7	4.4	2.8	1.9	.8	

1490 NH CARD USED
*SECNO 5.307

3470 ENCROACHMENT STATIONS= 9745.9 10214.0 TYPE= 1 TARGET= 468.100

5.307	6.77	1438.37	.00	.00	1439.10	.73	3.52	.04	1435.90
4555.0	1353.3	2759.7	442.0	394.6	328.7	173.3	700.9	378.0	1436.10
1.92	3.43	8.39	2.55	.055	.036	.055	.000	1431.60	9750.39
.004893	520.	560.	580.	2	0	0	.00	417.58	10167.96

FLOW DISTRIBUTION FOR SECNO= 5.31 CWSEL= 1438.37

STA=	9750.	9867.	9881.	9912.	9934.	9977.	9997.	10024.	10042.	10078.	10148.	10168.
PER Q=	4.0	3.3	8.4	5.2	8.9	5.7	51.3	3.6	4.6	3.5	1.7	
AREA=	84.6	40.0	95.4	61.5	113.0	85.3	180.5	63.0	70.0	74.8	28.6	
VEL=	2.1	3.7	4.0	3.8	3.6	3.0	13.0	2.6	3.0	2.1	2.7	
DEPTH=	.7	2.7	3.1	2.9	2.6	4.3	6.6	3.4	1.9	1.1	1.4	

1490 NH CARD USED
*SECNO 5.414

3470 ENCROACHMENT STATIONS= 9662.0 10269.0 TYPE= 1 TARGET= 607.000

5.414	5.75	1441.35	.00	.00	1442.48	1.14	3.26	.12	1439.70
4555.0	731.3	3718.1	105.6	217.1	398.4	37.7	710.7	382.1	1438.90
1.94	3.37	9.33	2.81	.055	.038	.055	.000	1435.60	9823.63
.007155	525.	565.	565.	2	0	0	.00	249.28	10072.91

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 5.41 CWSEL= 1441.35

STA=	9824.	9904.	9956.	9977.	10017.	10040.	10073.
PER Q=	9.1	6.9	6.4	68.0	7.2	2.3	
AREA=	123.4	93.7	83.9	221.7	92.8	37.7	
VEL=	3.4	3.4	3.5	14.0	3.5	2.8	
DEPTH=	1.5	1.8	4.1	5.5	4.1	1.1	

1490 NH CARD USED
*SECNO 5.518

3301 HV CHANGED MORE THAN HVINS

5.518	6.50	1445.10	.00	.00	1445.67	.56	3.13	.06	1440.70
4555.0	660.9	2608.1	1285.9	155.1	352.8	445.8	720.7	386.1	1443.90
1.97	4.26	7.39	2.88	.055	.040	.055	.000	1438.60	9922.51
.004683	525.	550.	550.	2	0	0	.00	384.75	10307.26

FLOW DISTRIBUTION FOR SECNO= 5.52 CWSEL= 1445.10

STA=	9923.	9966.	9975.	9989.	10018.	10046.	10115.	10151.	10228.	10249.	10274.	10307.
PER Q=	9.9	4.6	4.3	45.8	7.1	6.5	4.1	3.7	3.4	6.7	3.9	
AREA=	114.6	40.5	64.9	173.1	114.8	114.0	65.9	78.7	47.5	77.6	62.1	
VEL=	3.9	5.1	3.0	12.1	2.8	2.6	2.8	2.1	3.3	3.9	2.9	
DEPTH=	2.6	4.7	4.4	6.1	4.0	1.7	1.9	1.0	2.4	3.1	1.8	

1490 NH CARD USED
*SECNO 5.626

3470 ENCROACHMENT STATIONS= 9755.5 10125.0 TYPE= 1 TARGET= 369.500

5.626	6.49	1447.59	.00	.00	1448.32	.73	2.61	.05	1445.00
4555.0	1003.8	3043.4	507.8	277.2	381.0	145.1	731.9	390.1	1444.80
1.99	3.62	7.99	3.50	.055	.038	.055	.000	1441.10	9838.42
.004627	520.	570.	565.	3	0	0	.00	243.57	10081.99

FLOW DISTRIBUTION FOR SECNO= 5.63 CWSEL= 1447.59

STA=	9838.	9895.	9919.	9936.	9951.	9970.	10004.	10025.	10049.	10057.	10082.
PER Q=	8.1	8.9	3.3	1.8	4.9	55.7	6.2	3.7	3.4	4.1	
AREA=	115.2	90.0	43.1	29.0	77.1	210.8	93.2	53.4	33.2	58.5	
VEL=	3.2	4.5	3.4	2.8	2.9	12.0	3.1	3.2	4.6	3.2	
DEPTH=	2.0	3.8	2.6	1.8	4.1	6.1	4.5	2.3	4.2	2.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 5.732
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

5.732	6.06	1450.76	.00	.00	1451.32	.56	2.99	.02	1448.80
4150.0	18.2	2169.3	1962.5	7.9	301.3	448.3	741.9	393.0	1447.70
2.02	2.31	7.20	4.38	.055	.049	.058	.000	1444.70	9946.00
.006368	540.	560.	560.	2	0	0	.00	217.06	10163.06

FLOW DISTRIBUTION FOR SECNO= 5.73 CWSEL= 1450.76

STA=	9946.	9950.	9955.	10013.	10029.	10067.	10105.	10148.	10163.
PER Q=	.0	.4	52.3	3.5	15.7	14.7	12.3	1.1	
AREA=	1.5	6.4	301.3	51.8	132.1	126.3	120.0	18.0	
VEL=	1.1	2.6	7.2	2.8	4.9	4.8	4.2	2.5	
DEPTH=	.4	1.4	5.2	3.2	3.5	3.4	2.8	1.2	

1490 NH CARD USED
*SECNO 5.824
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

5.824	6.46	1453.66	.00	.00	1453.91	.25	2.55	.03	1449.30
4150.0	1842.3	1329.4	978.3	524.8	268.4	288.9	752.0	396.5	1450.90
2.05	3.51	4.95	3.39	.055	.063	.055	.000	1447.20	9705.82
.004558	520.	485.	440.	2	0	0	.00	419.49	10157.72

FLOW DISTRIBUTION FOR SECNO= 5.82 CWSEL= 1453.66

STA=	9706.	9731.	9751.	9760.	9772.	9784.	9817.	9839.	9868.	9982.	10030.	10044.	10070.
PER Q=	3.6	6.9	3.3	4.2	4.0	8.6	5.3	3.4	5.0	32.0	3.7	8.2	
AREA=	47.4	68.9	32.5	41.0	40.6	96.4	61.4	51.6	84.9	268.4	41.4	84.1	
VEL=	3.2	4.2	4.2	4.3	4.0	3.7	3.6	2.7	2.4	5.0	3.8	4.1	
DEPTH=	1.9	3.5	3.5	3.6	3.3	2.9	2.8	1.8	.7	5.6	3.0	3.3	

STA=	10070.	10091.	10118.	10149.	10158.
PER Q=	4.8	3.4	3.4	.1	
AREA=	57.2	50.3	52.5	3.4	
VEL=	3.5	2.8	2.7	1.0	
DEPTH=	2.6	1.9	1.7	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 5.934
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

5.934	6.68	1456.68	.00	.00	1456.89	.22	2.98	.00	1453.90
4150.0	2745.1	1347.3	57.6	900.2	275.1	21.6	767.7	403.5	1453.80
2.10	3.05	4.90	2.67	.055	.067	.055	.000	1450.00	9457.68
.005429	600.	580.	660.	3	0	0	.00	590.37	10048.06

FLOW DISTRIBUTION FOR SECNO= 5.93 CWSEL= 1456.68

STA=	9458.	9494.	9519.	9545.	9575.	9638.	9701.	9751.	9804.	9852.	9875.	9893.	9911.
PER Q=	4.2	5.4	3.8	3.6	3.6	4.4	3.4	4.1	5.6	5.5	5.8	4.1	
AREA=	59.9	61.5	51.0	52.7	67.0	78.2	61.8	70.8	81.7	60.9	56.2	45.2	
VEL=	2.9	3.6	3.1	2.9	2.2	2.3	2.3	2.4	2.9	3.7	4.3	3.7	
DEPTH=	1.7	2.5	2.0	1.7	1.1	1.2	1.2	1.3	1.7	2.5	3.2	2.6	

STA=	9911.	9942.	9971.	9980.	10031.	10048.
PER Q=	5.8	4.6	2.1	32.5	1.4	
AREA=	71.0	59.2	23.1	275.1	21.6	
VEL=	3.4	3.2	3.8	4.9	2.7	
DEPTH=	2.2	2.1	2.6	5.3	1.3	

1490 NH CARD USED
*SECNO 6.033
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9412.3 10090.0 TYPE= 1 TARGET= 677.700

6.033	7.04	1460.14	.00	.00	1460.62	.48	3.65	.08	1457.80
4150.0	1870.2	2279.8	.0	455.0	348.1	.0	778.6	409.2	1468.90
2.12	4.11	6.55	.00	.055	.069	.000	.000	1453.10	9510.97
.011194	450.	525.	550.	3	0	0	.00	488.34	10047.68

FLOW DISTRIBUTION FOR SECNO= 6.03 CWSEL= 1460.14

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

STA=	9511.	9662.	9838.	9874.	9898.	9912.	9922.	9962.	9978.	10080.
PER Q=	3.3	3.4	4.5	5.2	4.0	3.3	17.6	3.8	54.9	
AREA=	74.1	68.3	51.6	48.1	32.7	25.4	121.5	33.3	348.1	
VEL=	1.8	2.1	3.6	4.5	5.0	5.3	6.0	4.8	6.5	
DEPTH=	.5	.4	1.4	2.0	2.3	2.5	3.0	2.2	5.0	

1490 NH CARD USED
*SECNO 6.144
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9645.2 10038.0 TYPE= 1 TARGET= 392.800

6.144	7.68	1464.88	.00	.00	1465.25	.37	4.62	.01	1461.60
4150.0	1365.5	2532.1	252.4	372.4	463.7	56.0	789.3	414.2	1458.50
2.16	3.67	5.46	4.50	.055	.068	.055	.000	1457.20	9674.78
.006423	500.	590.	590.	2	0	0	.00	352.99	10027.76

FLOW DISTRIBUTION FOR SECNO= 6.14 CWSEL= 1464.88

STA=	9675.	9759.	9847.	9881.	9899.	9907.	9926.	10010.	10028.
PER Q=	3.2	3.5	5.8	8.7	3.9	7.7	61.0	6.1	
AREA=	67.7	74.4	66.3	68.4	30.7	64.9	463.7	56.0	
VEL=	2.0	2.0	3.6	5.3	5.3	4.9	5.5	4.5	
DEPTH=	.8	.8	2.0	3.8	3.8	3.5	5.5	3.2	

1490 NH CARD USED
*SECNO 6.244
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

6.244	6.59	1467.79	.00	.00	1468.03	.24	2.77	.01	1466.00
4150.0	27.4	1945.7	2176.9	16.0	445.7	618.3	800.6	418.2	1466.00
2.19	1.71	4.37	3.52	.055	.065	.055	.000	1461.20	9927.11
.004702	340.	530.	560.	2	0	0	.00	385.77	10312.89

FLOW DISTRIBUTION FOR SECNO= 6.24 CWSEL= 1467.79

STA=	9927.	9945.	10040.	10140.	10175.	10210.	10245.	10270.	10295.	10313.
PER Q=	.7	46.9	9.2	3.2	8.6	14.4	10.3	6.2	.7	
AREA=	16.0	445.7	153.9	53.9	97.6	132.6	94.7	69.7	16.0	
VEL=	1.7	4.4	2.5	2.5	3.7	4.5	4.5	3.7	1.7	
DEPTH=	.9	4.7	1.5	1.5	2.8	3.8	3.8	2.8	.9	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 6.364
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9688.7 10298.1 TYPE= 1 TARGET= 609.399

6.364	4.74	1470.34	.00	.00	1470.85	.51	2.73	.08	1468.40
4150.0	57.1	3942.5	150.4	42.4	674.3	97.7	813.0	423.6	1468.90
2.22	1.35	5.85	1.54	.055	.040	.055	.000	1465.60	9751.43
.004629	650.	635.	460.	2	0	0	.00	467.39	10218.82

FLOW DISTRIBUTION FOR SECNO= 6.36 CWSEL= 1470.34

STA=	9751.	9836.	10031.	10114.	10219.
PER Q=	1.4	95.0	3.2	.5	
AREA=	42.4	674.3	72.7	25.0	
VEL=	1.3	5.8	1.8	.8	
DEPTH=	.5	3.5	.9	.2	

1490 NH CARD USED
*SECNO 6.480

3470 ENCROACHMENT STATIONS= 9681.8 10303.0 TYPE= 1 TARGET= 621.200

6.480	3.91	1472.81	.00	.00	1473.36	.56	2.50	.01	1472.40
4150.0	3.3	3915.6	231.1	5.7	637.4	122.3	823.9	429.1	1471.90
2.25	.58	6.14	1.89	.055	.029	.055	.000	1468.90	9819.19
.003709	675.	610.	520.	2	0	0	.00	359.47	10178.67

FLOW DISTRIBUTION FOR SECNO= 6.48 CWSEL= 1472.81

STA=	9819.	9847.	9931.	9981.	10045.	10072.	10135.	10179.
PER Q=	.1	51.2	3.9	38.5	.7	3.1	2.4	
AREA=	5.7	289.8	101.2	219.3	27.2	71.7	50.6	
VEL=	.6	7.3	1.6	7.3	1.0	1.8	2.0	
DEPTH=	.2	3.4	2.0	3.4	1.0	1.1	1.2	

1490 NH CARD USED
*SECNO 6.585

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

6.585	3.24	1475.74	1475.74	.00	1476.72	.98	3.04	.13	1475.50
4150.0	.6	4097.2	52.2	1.2	512.2	34.8	832.1	433.5	1475.30
2.27	.51	8.00	1.50	.055	.030	.055	.000	1472.50	9882.47
.009042	565.	555.	475.	2	15	0	.00	353.77	10273.99

FLOW DISTRIBUTION FOR SECNO= 6.59 CWSEL= 1475.74

STA=	9882.	9919.	9944.	10139.	10152.	10274.
PER Q=	.0	3.7	94.8	.2	1.3	
AREA=	1.2	56.2	447.9	8.1	34.8	
VEL=	.5	2.7	8.8	1.1	1.5	
DEPTH=	.0	2.3	2.3	.6	.3	

1490 NH CARD USED
*SECNO 6.697
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.56

3470 ENCROACHMENT STATIONS= 9581.4 10288.1 TYPE= 1 TARGET= 706.699

6.697	4.24	1479.84	.00	.00	1480.05	.21	3.25	.08	1478.30
4150.0	2058.3	2087.2	4.5	668.1	506.4	7.4	843.8	439.3	1479.40
2.31	3.08	4.12	.60	.055	.046	.055	.000	1475.60	9663.39
.003695	590.	590.	590.	4	0	0	.00	509.49	10172.88

FLOW DISTRIBUTION FOR SECNO= 6.70 CWSEL= 1479.84

STA=	9663.	9750.	9793.	9805.	9818.	9830.	9843.	9912.	9967.	9973.	10139.	10173.
PER Q=	3.3	7.3	3.6	3.9	4.6	3.1	14.5	8.7	.5	50.3	.1	
AREA=	71.8	101.6	41.5	44.2	46.2	39.2	187.2	126.9	9.4	506.4	7.4	
VEL=	1.9	3.0	3.6	3.7	4.1	3.3	3.2	2.9	2.3	4.1	.6	
DEPTH=	.8	2.4	3.3	3.4	4.0	2.9	2.7	2.3	1.6	3.0	.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 6.801
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9672.5 10246.9 TYPE= 1 TARGET= 574.400

6.801	5.16	1482.36	.00	.00	1482.88	.52	2.74	.10	1480.60
4150.0	794.6	2591.2	764.2	297.0	368.8	262.9	857.2	445.9	1480.60
2.34	2.68	7.03	2.91	.055	.048	.055	.000	1477.20	9726.90
.006995	550.	550.	580.	2	0	0	.00	519.37	10246.27

FLOW DISTRIBUTION FOR SECNO= 6.80 CWSEL= 1482.36

STA=	9727.	9804.	9844.	9893.	9949.	9977.	10059.	10087.	10129.	10180.	10217.	10246.
PER Q=	3.0	5.5	4.0	4.1	2.5	62.4	3.0	5.1	4.2	4.6	1.6	
AREA=	61.8	69.7	62.0	66.2	37.3	368.8	42.5	68.1	64.8	60.1	27.3	
VEL=	2.0	3.3	2.7	2.6	2.8	7.0	3.0	3.1	2.7	3.2	2.4	
DEPTH=	.8	1.7	1.3	1.2	1.3	4.5	1.5	1.6	1.3	1.6	.9	

1490 NH CARD USED
*SECNO 6.908

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9719.2 10476.1 TYPE= 1 TARGET= 756.899
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

6.908	4.61	1485.91	1485.90	.00	1486.63	.72	3.69	.06	1484.10
3750.0	192.3	2716.6	841.2	89.8	344.9	339.1	867.9	452.5	1484.70
2.37	2.14	7.88	2.48	.055	.036	.055	.000	1481.30	9790.78
.006334	620.	565.	475.	4	12	0	.00	550.84	10373.25

FLOW DISTRIBUTION FOR SECNO= 6.91 CWSEL= 1485.91

STA=	9791.	9946.	9949.	9966.	10008.	10040.	10144.	10207.	10241.	10275.	10312.	10373.
PER Q=	4.7	.4	4.1	61.7	6.7	3.9	3.3	3.2	7.0	3.8	1.3	
AREA=	84.7	5.1	54.0	197.6	93.3	78.2	59.4	44.6	73.3	52.4	31.3	
VEL=	2.1	3.1	2.8	11.7	2.7	1.9	2.1	2.7	3.6	2.7	1.5	
DEPTH=	.5	1.8	3.2	4.6	2.9	.8	.9	1.3	2.1	1.4	.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 7.012

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9713.5 10347.9 TYPE= 1 TARGET= 634.400

7.012	5.00	1486.80	1488.52	.00	1489.68	.88	3.00	.05	1487.20
3750.0	278.0	3262.3	209.7	137.7	405.1	110.2	876.6	458.2	1485.60
2.39	2.02	8.05	1.90	.055	.033	.055	.000	1483.80	9763.17
.004884	550.	550.	490.	4	5	0	.00	408.53	10327.87

FLOW DISTRIBUTION FOR SECNO= 7.01 CWSEL= 1488.80

STA=	9763.	9877.	9928.	9934.	9966.	10031.	10034.	10066.	10328.
PER Q=	3.1	3.5	.8	6.8	79.6	.6	3.5	2.1	
AREA=	65.8	60.6	11.3	102.0	294.5	8.7	50.9	59.3	
VEL=	1.8	2.2	2.6	2.5	10.1	2.6	2.6	1.3	
DEPTH=	.6	1.2	1.6	3.2	4.5	3.3	1.6	.2	

1490 NH CARD USED
#SECNO 7.130
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

7.130	6.82	1493.52	1492.65	.00	1494.36	.84	4.67	.00	1492.90
3750.0	289.2	3107.9	352.9	71.7	393.4	109.7	885.4	463.7	1490.00
2.41	4.04	7.90	3.22	.055	.064	.055	.000	1486.70	9909.13
.012899	630.	625.	605.	5	8	0	.00	359.40	10515.95

FLOW DISTRIBUTION FOR SECNO= 7.13 CWSEL= 1493.52

STA=	9909.	9925.	9940.	10000.	10075.	10089.	10486.	10516.
PER Q=	3.2	3.8	.7	82.9	5.2	3.2	.9	
AREA=	25.3	29.3	17.0	393.4	34.7	59.5	15.4	
VEL=	4.7	4.9	1.5	7.9	5.6	2.0	2.3	
DEPTH=	1.6	2.0	.3	5.2	2.5	.2	.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 7.232
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.77

7.232	8.09	1497.89	.00	.00	1498.06	.18	3.64	.07	1496.00
3750.0	954.9	1545.9	1249.1	397.2	343.5	558.9	897.0	471.1	1495.80
2.46	2.40	4.50	2.23	.055	.070	.055	.000	1489.80	9671.36
.004137	540.	540.	540.	4	0	0	.00	842.76	10514.12

FLOW DISTRIBUTION FOR SECNO= 7.23 CWSEL= 1497.89

STA=	9671.	9703.	9735.	9755.	9776.	9818.	9924.	9965.	10021.	10055.	10069.	10097.	10226.
PER Q=	3.3	6.3	3.2	3.7	3.3	3.0	2.6	41.2	8.3	3.8	3.3	4.2	
AREA=	47.8	75.6	43.0	46.1	57.1	79.3	48.5	343.5	92.1	40.1	49.5	103.4	
VEL=	2.6	3.1	2.8	3.0	2.2	1.4	2.0	4.5	3.4	3.5	2.5	1.5	
DEPTH=	1.5	2.4	2.1	2.2	1.4	.7	1.2	6.2	2.7	2.9	1.7	.8	

STA=	10226.	10305.	10336.	10437.	10514.
PER Q=	5.2	3.3	4.6	.7	
AREA=	96.8	51.2	97.8	28.1	
VEL=	2.0	2.4	1.8	.9	
DEPTH=	1.2	1.6	1.0	.4	

1490 NH CARD USED
*SECNO 7.337
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9687.0 10438.0 TYPE= 1 TARGET= 751.000

7.337	7.38	1500.08	.00	.00	1500.54	.46	2.39	.08	1498.00
3750.0	254.5	3218.0	277.5	138.3	553.7	154.4	910.7	479.7	1498.30
2.49	1.84	5.81	1.80	.055	.053	.055	.000	1492.70	9746.42
.004496	555.	555.	555.	3	0	0	.00	504.02	10314.14

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

FLOW DISTRIBUTION FOR SECNO= 7.34 CWSEL= 1500.08

STA=	9746.	9930.	9984.	9986.	10086.	10149.	10314.
PER Q=	3.2	3.4	.2	85.8	5.0	2.4	
AREA=	72.5	62.3	3.5	553.7	84.2	70.1	
VEL=	1.6	2.0	2.5	5.8	2.2	1.3	
DEPTH=	.4	1.1	1.7	5.5	1.3	.4	

1490 NH CARD USED
*SECNO 7.448

7.448	5.67	1502.37	.00	.00	1503.31	.95	2.63	.15	1502.00
3750.0	6.0	3699.0	45.0	8.1	470.6	31.7	919.8	484.5	1501.30
2.51	.74	7.86	1.42	.055	.033	.055	.000	1496.70	9938.10
.004477	585.	585.	600.	2	0	0	.00	193.43	10131.53

FLOW DISTRIBUTION FOR SECNO= 7.45 CWSEL= 1502.37

STA=	9938.	9972.	10000.	10058.	10084.	10132.
PER Q=	.2	4.3	88.6	5.8	1.2	
AREA=	8.1	75.0	307.7	87.9	31.7	
VEL=	.7	2.1	10.8	2.5	1.4	
DEPTH=	.2	2.7	5.3	3.4	.7	

1490 NH CARD USED
*SECNO 7.562
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "GR" PTS.

7.562	7.23	1506.53	.00	.00	1506.92	.39	3.55	.06	1504.70
3750.0	225.9	2166.4	1357.7	75.4	373.8	365.9	929.0	488.4	1504.70
2.54	3.00	5.80	3.71	.055	.069	.055	.000	1499.30	9918.40
.008062	540.	600.	630.	3	0	0	.00	374.69	10299.99

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

FLOW DISTRIBUTION FOR SECNO= 7.56 CWSEL= 1506.53

STA=	9918.	9965.	9980.	10051.	10068.	10083.	10110.	10123.	10143.	10180.	10253.	10300.
PER Q=	3.7	2.3	57.8	3.5	3.6	8.4	3.9	4.7	6.5	3.7	1.8	
AREA=	50.5	24.9	373.8	34.4	32.4	70.2	32.7	43.0	67.5	57.1	28.6	
VEL=	2.8	3.4	5.8	3.9	4.1	4.5	4.5	4.1	3.6	2.4	2.4	
DEPTH=	1.1	1.7	5.3	2.0	2.2	2.5	2.5	2.2	1.8	.8	.6	

1490 NH CARD USED
*SECNO 7.666
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

3470 ENCROACHMENT STATIONS= 9604.9 10201.0 TYPE= 1 TARGET= 596.100

7.666	7.22	1509.62	.00	.00	1509.86	.24	2.92	.01	1506.70
3750.0	1501.4	1821.9	426.7	434.4	402.5	188.6	940.8	493.3	1508.00
2.58	3.46	4.53	2.26	.055	.063	.055	.000	1502.40	9798.55
.003683	550.	550.	580.	3	0	0	.00	378.20	10176.75

FLOW DISTRIBUTION FOR SECNO= 7.67 CWSEL= 1509.62

STA=	9799.	9879.	9895.	9919.	9932.	9947.	9956.	9964.	9976.	10047.	10070.	10110.	10145.
PER Q=	4.9	4.3	8.2	3.9	6.8	4.5	3.5	4.0	48.6	3.7	3.7	3.2	
AREA=	91.7	47.5	82.8	40.9	61.5	37.5	31.3	41.1	402.5	49.7	62.0	54.3	
VEL=	2.0	3.4	3.7	3.6	4.1	4.4	4.2	3.7	4.5	2.8	2.2	2.2	
DEPTH=	1.1	3.0	3.4	3.2	4.0	4.5	4.1	3.4	5.7	2.2	1.5	1.6	

STA=	10145.	10177.
PER Q=	.8	
AREA=	22.6	
VEL=	1.3	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 7.770

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9885.7 10353.2 TYPE= 1 TARGET= 467.500

7.770	6.94	1511.84	.00	.00	1512.30	.45	2.37	.06	1511.10
3750.0	84.7	3594.1	71.2	46.0	653.1	42.3	951.9	497.0	1510.50
2.61	1.84	5.50	1.68	.055	.061	.055	.000	1504.90	9909.60
.005184	550.	550.	510.	2	0	0	.00	231.55	10141.15

FLOW DISTRIBUTION FOR SECNO= 7.77 CWSEL= 1511.84

STA=	9910.	9962.	10079. 10141.
PER Q=	2.3	95.8	1.9
AREA=	46.0	653.1	42.3
VEL=	1.8	5.5	1.7
DEPTH=	.9	5.6	.7

1490 NH CARD USED
*SECNO 7.883
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

7.883	6.69	1515.39	.00	.00	1515.77	.38	3.46	.01	1511.10
3750.0	221.0	2215.3	1313.7	56.7	399.1	336.1	962.2	500.6	1514.30
2.64	3.90	5.55	3.91	.055	.068	.055	.000	1508.70	9948.85
.006765	610.	595.	550.	3	0	0	.00	309.47	10258.33

FLOW DISTRIBUTION FOR SECNO= 7.88 CWSEL= 1515.39

STA=	9949.	9980.	10053.	10115.	10137.	10147.	10158.	10178.	10228.	10258.
PER Q=	5.9	59.1	3.6	9.8	6.7	4.2	4.2	6.4	.1	
AREA=	56.7	399.1	60.2	74.4	42.1	34.3	42.7	78.0	4.4	
VEL=	3.9	5.6	2.3	4.9	5.9	4.6	3.7	3.1	.9	
DEPTH=	1.8	5.5	1.0	3.3	4.4	3.0	2.1	1.6	.1	

1490 NH CARD USED
*SECNO 7.988
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

7.988	5.26	1518.56	.00	.00	1518.79	.24	3.01	.01	1516.10
3750.0	498.7	1845.0	1406.3	160.8	423.8	396.4	973.4	505.5	1519.90
2.68	3.10	4.35	3.55	.055	.059	.042	.000	1513.30	9854.64
.004483	555.	555.	550.	2	0	0	.00	455.71	10469.85

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

FLOW DISTRIBUTION FOR SECNO= 7.99 CWSEL= 1518.56

STA=	9855.	9904.	9917.	9932.	9936.	10042.	10238.	10268.	10311.	10422.	10432.	10451.	10470.
PER Q=	4.8	3.3	4.3	.9	49.2	3.0	3.4	5.8	3.6	4.6	14.3	2.7	
AREA=	71.0	35.2	43.3	11.3	423.8	65.3	50.6	79.2	69.6	30.1	66.1	35.5	
VEL=	2.5	3.5	3.7	3.2	4.4	1.7	2.5	2.7	1.9	5.8	8.1	2.9	
DEPTH=	1.4	2.7	2.9	2.4	4.2	.3	1.7	1.8	.6	3.1	3.5	1.9	

1490 NH CARD USED
*SECNO 8.092
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .61

AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

8.092	5.42	1522.12	.00	.00	1522.59	.47	3.73	.07	1519.10
3345.0	698.9	1068.0	1578.1	216.9	210.9	242.8	984.8	512.0	1521.60
2.72	3.22	5.06	6.50	.055	.070	.037	.000	1516.70	9796.07
.009470	525.	550.	690.	2	0	0	.00	462.12	10570.47

FLOW DISTRIBUTION FOR SECNO= 8.09 CWSEL= 1522.12

STA=	9796.	9827.	9855.	9876.	9919.	9978.	10032.	10271.	10284.	10303.	10319.	10570.
PER Q=	3.3	4.8	3.7	5.4	3.7	31.9	3.1	13.2	25.6	3.4	2.0	
AREA=	35.9	44.8	33.8	56.8	45.5	210.9	56.4	40.5	69.7	38.7	37.5	
VEL=	3.1	3.6	3.6	3.2	2.7	5.1	1.8	10.9	12.3	2.9	1.8	
DEPTH=	1.2	1.6	1.6	1.3	.8	3.9	.2	3.1	3.7	2.5	.1	

1490 NH CARD USED
*SECNO 8.196
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9937.5 10449.2 TYPE= 1 TARGET= 511.700

8.196	7.01	1526.31	.00	.00	1526.58	.27	3.97	.02	1526.30
3345.0	.0	1509.1	1835.9	.0	302.8	559.0	994.4	517.7	1525.20
2.75	.00	4.98	3.28	.000	.065	.055	.000	1519.30	9956.18
.005673	550.	550.	550.	3	0	0	.00	436.34	10430.06

FLOW DISTRIBUTION FOR SECNO= 8.20 CWSEL= 1526.31

STA=	9956.	10016.	10061.	10091.	10104.	10111.	10131.	10156.	10290.	10307.	10329.	10364.	10430.
PER Q=	45.1	7.3	3.9	3.3	4.7	12.8	4.3	4.7	3.2	4.0	4.9	1.9	
AREA=	302.8	80.6	46.4	31.2	29.8	81.6	47.1	71.0	33.0	41.9	56.9	39.6	
VEL=	5.0	3.0	2.8	3.6	5.3	5.2	3.1	2.2	3.2	3.2	2.9	1.6	
DEPTH=	5.1	1.8	1.6	2.4	4.3	4.1	1.9	.5	2.0	1.9	1.6	.6	

1490 NH CARD USED
*SECNO 8.301
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9905.0 10369.3 TYPE= 1 TARGET= 464.300

8.301	7.38	1529.38	.00	.00	1529.67	.30	3.09	.01	1527.30
3345.0	147.8	2042.6	1154.6	49.1	406.2	380.4	1004.4	522.2	1527.90
2.79	3.01	5.03	3.03	.055	.071	.055	.000	1522.00	9933.93
.006290	565.	555.	470.	3	0	0	.00	368.03	10301.96

FLOW DISTRIBUTION FOR SECNO= 8.30 CWSEL= 1529.38

STA=	9934.	9966.	10041.	10075.	10124.	10203.	10252.	10265.	10300.
PER Q=	4.4	61.1	4.1	3.4	5.1	12.9	5.2	3.9	
AREA=	49.1	406.2	49.9	50.7	78.3	113.5	38.8	49.2	
VEL=	3.0	5.0	2.8	2.2	2.2	3.8	4.5	2.7	
DEPTH=	1.6	5.4	1.5	1.0	1.0	2.3	3.0	1.4	

1490 NH CARD USED
*SECNO 8.407
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9645.9 10369.3 TYPE= 1 TARGET= 723.399
AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE

BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.

8.407	6.61	1532.81	.00	.00	1533.03	.22	3.35	.01	1531.00
3345.0	1253.6	1640.9	450.5	431.0	358.8	173.2	1015.7	527.6	1531.10
2.83	2.91	4.57	2.60	.055	.071	.055	.000	1526.20	9683.06
.005863	590.	560.	500.	2	0	0	.00	508.53	10191.59

FLOW DISTRIBUTION FOR SECNO= 8.41 CWSEL= 1532.81

STA=	9683.	9725.	9758.	9790.	9825.	9867.	9930.	9942.	9955.	9974.	10047.	10127.	10192.
PER Q=	3.2	3.2	3.2	3.4	3.3	7.3	4.8	5.5	3.7	49.1	10.6	2.9	
AREA=	46.4	43.2	42.6	45.9	47.8	89.8	37.0	41.2	37.2	358.8	126.4	46.9	
VEL=	2.3	2.5	2.5	2.5	2.3	2.7	4.3	4.4	3.3	4.6	2.8	2.0	
DEPTH=	1.1	1.3	1.3	1.3	1.2	1.4	3.0	3.2	2.0	4.9	1.6	.7	

1490 NH CARD USED
*SECNO 8.524
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.524	6.41	1536.21	.00	.00	1536.64	.43	3.55	.06	1534.70
3345.0	730.7	2540.1	74.3	349.9	427.7	29.3	1027.7	534.1	1534.00
2.86	2.09	5.94	2.53	.055	.056	.055	.000	1529.80	9605.71
.005964	550.	620.	625.	2	0	0	.00	478.15	10083.86

FLOW DISTRIBUTION FOR SECNO= 8.52 CWSEL= 1536.21

STA=	9606.	9679.	9772.	9848.	9915.	9958.	9972.	10057.	10084.
PER Q=	3.2	4.1	4.8	4.5	3.7	1.5	75.9	2.2	
AREA=	57.4	75.5	75.0	70.4	52.6	19.1	427.7	29.3	
VEL=	1.9	1.8	2.1	2.2	2.4	2.6	5.9	2.5	
DEPTH=	.8	.8	1.0	1.1	1.2	1.4	5.0	1.1	

1490 NH CARD USED
*SECNO 8.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.634	7.06	1539.76	.00	.00	1540.06	.30	3.41	.01	1538.00
3345.0	1017.8	2321.5	5.7	373.9	466.6	3.8	1038.3	539.6	1538.50
2.90	2.72	4.98	1.52	.055	.063	.055	.000	1532.70	9672.34
.006007	540.	580.	600.	2	0	0	.00	380.18	10052.52

FLOW DISTRIBUTION FOR SECNO= 8.63 CWSEL= 1539.76

STA=	9672.	9737.	9758.	9838.	9891.	9945.	9945.	10047.	10053.
PER Q=	7.7	5.4	6.7	4.5	6.0	.0	69.4	.2	
AREA=	89.5	49.3	95.0	63.7	75.9	.4	466.6	3.8	
VEL=	2.9	3.7	2.4	2.4	2.6	3.1	5.0	1.5	
DEPTH=	1.4	2.3	1.2	1.2	1.4	1.8	4.6	.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 8.736
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.736	7.05	1542.55	.00	.00	1542.74	.19	2.67	.01	1540.70
3345.0	673.7	1633.3	1038.0	253.7	389.7	407.3	1050.0	544.7	1540.70
2.94	2.66	4.19	2.55	.055	.070	.055	.000	1535.50	9822.52
.004163	530.	540.	540.	3	0	0	.00	465.13	10287.65

FLOW DISTRIBUTION FOR SECNO= 8.74 CWSEL= 1542.55

STA=	9823.	9900.	9933.	9963.	10034.	10078.	10098.	10115.	10128.	10142.	10194.	10216.	10276.
PER Q=	9.2	7.7	3.2	48.8	6.4	3.0	3.3	3.3	3.3	4.6	3.0	4.0	
AREA=	126.4	81.7	45.5	389.7	82.0	37.5	37.0	33.5	35.0	71.1	39.3	68.2	
VEL=	2.4	3.2	2.3	4.2	2.6	2.7	3.0	3.3	3.2	2.2	2.6	2.0	
DEPTH=	1.6	2.5	1.5	5.4	1.9	1.9	2.2	2.6	2.4	1.4	1.8	1.1	

STA=	10276.	10288.
PER Q=	.1	
AREA=	3.9	
VEL=	.9	
DEPTH=	.3	

1490 NH CARD USED
*SECNO 8.840

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

8.840	5.75	1544.45	1544.25	.00	1545.37	.91	2.41	.22	1542.60
3345.0	367.7	2638.9	338.4	166.2	308.5	136.2	1060.5	549.7	1542.80
2.96	2.21	8.55	2.48	.055	.031	.055	.000	1538.70	9781.06
.004612	550.	550.	550.	4	15	0	.00	324.98	10129.73

FLOW DISTRIBUTION FOR SECNO= 8.84 CWSEL= 1544.45

STA=	9781.	9898.	9944.	9967.	9981.	10027.	10039.	10088.	10130.
PER Q=	3.7	6.1	1.2	3.1	73.8	1.9	6.6	3.6	
AREA=	66.8	77.9	21.5	43.9	234.4	30.3	83.7	52.5	
VEL=	1.9	2.6	1.8	2.4	10.5	2.1	2.6	2.3	
DEPTH=	.6	1.7	1.0	3.2	5.0	2.7	1.7	1.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 8.948

3301 HV CHANGED MORE THAN HVINS

8.948	4.63	1547.33	.00	.00	1547.61	.28	2.18	.06	1547.10
3345.0	200.6	2902.6	241.9	122.8	649.2	111.8	1070.2	554.4	1545.30
3.00	1.63	4.47	2.16	.055	.044	.055	.000	1542.70	9783.23
.003222	540.	570.	590.	3	0	0	.00	405.15	10188.39

FLOW DISTRIBUTION FOR SECNO= 8.95 CWSEL= 1547.33

STA=	9783.	9888.	9924.	10103.	10125.	10160.	10188.
PER Q=	3.3	2.7	86.8	3.4	3.5	.3	
AREA=	77.1	45.7	649.2	45.6	55.2	11.0	
VEL=	1.4	2.0	4.5	2.5	2.1	.9	
DEPTH=	.7	1.3	3.6	2.1	1.6	.4	

1490 NH CARD USED
*SECNO 9.053
7165 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

9.053	3.96	1550.36	1550.36	.00	1551.13	.77	2.59	.15	1549.30
3345.0	18.6	2029.5	1296.9	10.9	234.5	404.7	1080.1	559.3	1547.70
3.03	1.70	8.66	3.20	.055	.033	.055	.000	1546.40	9946.33
.007231	550.	555.	570.	5	10	0	.00	348.82	10295.15

FLOW DISTRIBUTION FOR SECNO= 9.05 CWSEL= 1550.36

STA=	9946.	9967.	9978.	10023.	10037.	10050.	10080.	10100.	10144.	10179.	10216.	10249.	10271.
PER Q=	.6	1.2	55.1	4.3	4.3	5.6	3.2	6.9	4.7	3.6	4.0	4.9	
AREA=	10.9	20.1	168.3	46.0	33.9	54.1	33.7	72.0	52.4	45.9	45.0	44.8	
VEL=	1.7	2.1	11.0	3.1	4.2	3.5	3.2	3.2	3.0	2.6	2.9	3.6	
DEPTH=	.5	1.8	3.8	3.3	2.5	1.8	1.6	1.7	1.5	1.2	1.4	2.0	

STA=	10271.	10295.
PER Q=	1.6	
AREA=	22.9	
VEL=	2.3	
DEPTH=	.9	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.158
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

9.158	5.42	1554.72	.00	.00	1555.04	.31	3.86	.05	1553.50
3345.0	1105.6	1309.0	930.4	259.6	229.2	412.6	1089.8	565.4	1553.30
3.06	4.26	5.71	2.25	.051	.058	.056	.000	1549.30	9832.49
.006907	555.	555.	530.	3	0	0	.00	644.58	10477.07

FLOW DISTRIBUTION FOR SECNO= 9.16 CWSEL= 1554.72

STA=	9832.	9855.	9868.	9870.	9878.	9888.	9915.	9967.	9976.	10027.	10109.	10160.	10265.
PER Q=	3.3	3.6	3.1	11.9	3.3	3.2	4.1	.5	39.1	4.4	3.0	7.2	
AREA=	35.5	40.9	9.4	33.6	36.0	37.8	55.9	10.6	229.2	75.2	46.8	106.8	
VEL=	3.1	3.0	11.2	11.8	3.0	2.9	2.4	1.6	5.7	2.0	2.2	2.3	
DEPTH=	1.6	3.2	4.1	4.4	3.4	1.4	1.1	1.2	4.5	.9	.9	1.0	

STA=	10265.	10295.	10350.	10477.
PER Q=	4.3	5.4	3.4	
AREA=	47.5	67.9	68.5	
VEL=	3.1	2.7	1.6	
DEPTH=	1.6	1.2	.5	

1490 NH CARD USED
*SECNO 9.262

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9871.0 10358.2 TYPE= 1 TARGET= 487.200
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C89. (D.A.=18.60 SQ. MI.)

9.262	4.78	1557.48	.00	.00	1557.98	.49	2.88	.05	1556.10
2943.0	42.0	2230.5	670.5	30.8	352.8	263.7	1099.5	572.4	1556.70
3.09	1.36	6.32	2.54	.055	.034	.042	.000	1552.70	9879.42
.003993	550.	550.	550.	3	0	0	.00	465.80	10354.24

FLOW DISTRIBUTION FOR SECNO= 9.26 CWSEL= 1557.48

STA=	9879.	9927.	9957.	10011.	10029.	10071.	10171.	10178.	10183.	10244.	10354.
PER Q=	1.4	8.9	66.0	.8	3.6	5.8	4.1	3.3	3.9	2.1	
AREA=	30.7	107.7	223.7	21.4	52.6	76.4	18.1	14.7	60.6	41.3	
VEL=	1.4	2.4	8.7	1.1	2.0	2.3	6.6	6.6	1.9	1.5	
DEPTH=	.6	3.6	4.2	1.2	1.3	.8	2.8	2.8	1.0	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.375

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9586.1 10274.6 TYPE= 1 TARGET= 688.500

9.375	4.05	1560.05	1559.89	.00	1560.67	.61	2.66	.04	1559.30
2943.0	115.1	2108.0	719.8	92.5	298.7	183.2	1107.5	579.0	1559.60
3.12	1.25	7.06	3.93	.055	.032	.038	.000	1556.00	9648.56
.005377	650.	595.	510.	2	12	0	.00	543.54	10247.63

FLOW DISTRIBUTION FOR SECNO= 9.38 CWSEL= 1560.05

STA=	9649.	9913.	9956.	9971.	10020.	10057.	10087.	10098.	10141.	10248.
PER Q=	3.4	.5	1.7	64.9	5.0	7.5	11.4	3.2	2.4	
AREA=	78.9	13.6	27.2	196.0	75.5	42.3	37.7	49.7	53.4	
VEL=	1.3	1.1	1.8	9.7	1.9	5.2	8.9	1.9	1.3	
DEPTH=	.3	.3	1.9	4.0	2.1	1.4	3.5	1.2	.5	

1490 NH CARD USED
*SECNO 9.481
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

9.481	5.79	1563.79	.00	.00	1563.99	.20	3.28	.04	1562.60
2943.0	468.1	1721.0	753.9	152.0	427.4	296.0	1116.9	586.3	1562.70
3.16	3.08	4.03	2.55	.060	.064	.055	.000	1558.00	9498.81
.006339	535.	560.	580.	3	0	0	.00	590.88	10326.19

FLOW DISTRIBUTION FOR SECNO= 9.48 CWSEL= 1563.79

STA=	9499.	9878.	9887.	9901.	10031.	10077.	10097.	10136.	10165.	10297.	10326.
PER Q=	6.2	6.0	3.7	58.5	3.9	7.1	3.3	5.1	5.8	.4	
AREA=	80.5	34.6	36.9	427.4	50.1	50.4	40.7	48.9	95.2	10.8	
VEL=	2.3	5.1	3.0	4.0	2.3	4.2	2.4	3.0	1.8	1.2	
DEPTH=	.2	3.7	2.7	3.3	1.1	2.6	1.0	1.7	.7	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.585
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

9.585	5.71	1567.71	.00	.00	1567.86	.16	3.87	.00	1567.90
2943.0	345.7	2122.9	474.4	151.4	631.7	169.0	1128.3	593.8	1566.70
3.21	2.28	3.36	2.81	.055	.071	.055	.000	1562.00	9494.50
.008026	510.	550.	550.	4	0	0	.00	627.03	10224.02

FLOW DISTRIBUTION FOR SECNO= 9.59 CWSEL= 1567.71

STA=	9495.	9602.	9694.	9766.	9798.	10072.	10135.	10147.	10200.	10224.
PER Q=	3.3	3.3	3.8	1.4	72.1	8.5	3.0	4.2	.4	
AREA=	45.6	34.9	53.6	17.3	631.7	84.8	23.2	51.9	9.0	
VEL=	2.2	2.8	2.1	2.3	3.4	3.0	3.8	2.4	1.5	
DEPTH=	.4	.4	.7	.5	2.5	1.3	2.0	1.0	.4	

1490 NH CARD USED
*SECNO 9.691
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

9.691	5.10	1571.80	.00	.00	1571.95	.15	4.08	.00	1571.10
2943.0	461.6	1000.8	1480.6	257.6	287.5	470.0	1140.7	602.6	1572.00
3.26	1.79	3.48	3.15	.055	.069	.055	.000	1566.70	9520.75
.006665	460.	560.	600.	4	0	0	.00	817.99	10436.49

FLOW DISTRIBUTION FOR SECNO= 9.69 CWSEL= 1571.80

STA=	9521.	9653.	9816.	9876.	9945.	10048.	10131.	10165.	10189.	10202.	10220.	10230.	10245.
PER Q=	3.2	4.7	4.2	3.6	34.0	4.8	4.6	4.2	3.1	3.3	3.6	4.2	
AREA=	55.1	90.7	56.7	55.1	287.5	63.5	48.7	39.7	25.2	30.7	25.7	32.8	
VEL=	1.7	1.5	2.2	1.9	3.5	2.2	2.8	3.1	3.6	3.1	4.1	3.7	
DEPTH=	.4	.6	.9	.8	2.8	.8	1.4	1.6	2.1	1.7	2.5	2.2	

STA=	10245.	10258.	10289.	10301.	10327.	10350.	10436.
PER Q=	3.8	5.1	3.2	6.5	3.7	.4	
AREA=	29.7	48.8	25.6	53.5	35.8	10.2	
VEL=	3.8	3.1	3.7	3.6	3.1	1.2	
DEPTH=	2.2	1.6	2.2	2.0	1.6	.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.765
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
WHEN INSPECTED BY A-N WEST IN NOV.,1992.
THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
GRADE WITH THE WASH.

9.765	4.43	1573.43	.00	.00	1573.51	.08	1.56	.01	1574.00
2943.0	98.7	808.3	2035.9	92.1	304.9	926.6	1150.4	609.6	1573.20
3.30	1.07	2.65	2.20	.055	.060	.055	.000	1569.00	9687.60
.003014	350.	390.	350.	4	0	0	.00	888.80	10639.03

FLOW DISTRIBUTION FOR SECNO= 9.77 CWSEL= 1573.43

STA=	9688.	9941.	9953.	10071.	10184.	10302.	10333.	10364.	10380.	10437.	10454.	10482.	10538.
PER Q=	3.0	.4	27.5	3.9	15.5	5.7	5.4	3.9	7.4	3.2	5.1	10.6	
AREA=	83.3	8.7	304.9	89.0	208.6	68.4	64.7	41.5	100.4	37.6	60.2	124.0	
VEL=	1.1	1.2	2.7	1.3	2.2	2.5	2.5	2.8	2.2	2.5	2.5	2.5	
DEPTH=	.3	.7	2.8	.8	1.8	2.1	2.1	2.5	1.8	2.2	2.2	2.2	

STA=	10538.	10576.	10616.	10639.
PER Q=	4.0	3.7	.7	
AREA=	58.8	58.0	15.5	
VEL=	2.0	1.9	1.3	
DEPTH=	1.6	1.4	.7	

1490 NH CARD USED

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

*SECNO 9.783

3265 DIVIDED FLOW

9.783	2.03	1573.73	.00	.00	1573.88	.15	.35	.02	1574.70
2943.0	38.0	524.9	2380.2	40.1	108.7	907.3	1153.0	611.4	1574.50
3.31	.95	4.83	2.62	.055	.028	.055	.000	1571.70	9699.56
.004682	93.	95.	93.	2	0	0	.00	773.42	10647.11

FLOW DISTRIBUTION FOR SECNO= 9.78 CWSEL= 1573.73

STA=	9700.	9819.	9945.	10002.	10011.	10167.	10204.	10239.	10299.	10316.	10366.	10385.	10413.
PER Q=	1.3	.1	17.5	.2	3.9	3.1	4.9	9.9	3.0	8.2	3.4	5.3	
AREA=	40.1	3.9	98.5	6.3	71.9	44.1	56.2	107.4	32.0	89.0	34.8	54.4	
VEL=	.9	1.0	5.2	1.0	1.6	2.1	2.6	2.7	2.8	2.7	2.8	2.9	
DEPTH=	.3	.9	1.7	.9	.5	1.2	1.6	1.8	1.8	1.8	1.9	1.9	

STA=	10413.	10469.	10492.	10568.	10595.	10622.	10647.
PER Q=	10.1	4.2	14.4	4.5	4.2	1.8	
AREA=	105.5	43.5	147.5	48.4	46.2	26.3	
VEL=	2.8	2.8	2.9	2.7	2.7	2.0	
DEPTH=	1.9	1.9	1.9	1.8	1.7	1.1	

1490 NH CARD USED
*SECNO 9.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9724.5 10947.1 TYPE= 1 TARGET= 1222.600

9.888	3.52	1576.72	.00	.00	1576.86	.14	2.97	.00	1577.50
2943.0	36.5	426.1	2480.4	32.0	118.8	858.6	1166.6	621.2	1577.60
3.37	1.14	3.59	2.89	.055	.057	.055	.000	1573.20	9827.14
.005742	510.	555.	580.	4	0	0	.00	737.64	10722.96

FLOW DISTRIBUTION FOR SECNO= 9.89 CWSEL= 1576.72

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

STA=	9827.	9915.	10034.	10204.	10249.	10318.	10373.	10395.	10443.	10476.	10493.	10508.	10527.
PER Q=	1.2	14.5	4.2	3.6	7.2	8.0	3.2	10.0	8.3	6.9	3.6	4.3	
AREA=	32.0	118.8	63.5	48.7	87.1	85.7	34.4	92.4	71.1	49.4	31.6	38.8	
VEL=	1.1	3.6	1.9	2.2	2.4	2.8	2.7	3.2	3.4	4.1	3.3	3.3	
DEPTH=	.4	2.5	.4	1.1	1.3	1.6	1.5	1.9	2.2	2.9	2.1	2.0	

STA=	10527.	10538.	10558.	10586.	10611.	10685.	10723.
PER Q=	3.6	5.4	6.7	4.6	3.6	1.2	
AREA=	27.0	44.8	59.2	44.4	58.1	22.4	
VEL=	3.9	3.5	3.3	3.0	1.8	1.5	
DEPTH=	2.7	2.2	2.1	1.8	.8	.6	

1490 NH CARD USED
*SECNO 9.997

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9839.0 10585.4 TYPE= 1 TARGET= 746.400

9.997	5.20	1581.20	.00	.00	1581.47	.27	4.58	.04	1583.20
2943.0	11.0	542.8	2389.2	7.9	219.1	534.1	1178.3	629.5	1581.00
3.41	1.39	2.48	4.47	.055	.082	.055	.000	1576.00	9881.30
.011753	570.	575.	575.	6	0	0	.00	519.21	10474.24

FLOW DISTRIBUTION FOR SECNO= 10.00 CWSEL= 1581.20

STA=	9881.	9907.	10134.	10232.	10275.	10332.	10344.	10399.	10412.	10425.	10434.	10442.	10451.
PER Q=	.4	18.4	4.6	6.3	13.7	3.6	20.8	6.4	5.9	5.7	5.5	5.1	
AREA=	7.9	219.1	62.4	54.8	96.9	23.4	121.7	34.8	32.0	27.3	25.3	24.9	
VEL=	1.4	2.5	2.2	3.4	4.2	4.6	5.0	5.4	5.4	6.1	6.3	6.0	
DEPTH=	.3	1.4	.6	1.2	1.7	2.0	2.3	2.5	2.5	3.0	3.2	2.9	

STA=	10451.	10474.
PER Q=	3.6	
AREA=	30.6	
VEL=	3.5	
DEPTH=	1.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 10.103

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

3470 ENCROACHMENT STATIONS= 9636.1 10303.5 TYPE= 1 TARGET= 667.400

10.103	4.62	1583.92	.00	.00	1584.19	.27	2.71	.00	1582.80
2943.0	548.0	1486.8	908.2	269.9	276.6	376.2	1187.3	635.6	1582.70
3.44	2.03	5.38	2.41	.055	.032	.055	.000	1579.30	9685.41
.003481	560.	560.	390.	3	0	0	.00	616.89	10302.30

FLOW DISTRIBUTION FOR SECNO= 10.10 CWSEL= 1583.92

STA=	9685.	9842.	9877.	9919.	9939.	9986.	10022.	10037.	10155.	10194.	10229.	10239.	10270.
PER Q=	4.2	7.2	5.8	1.4	3.9	44.3	2.3	3.6	4.4	9.0	3.7	8.5	
AREA=	96.0	77.5	73.3	23.1	82.5	156.1	38.0	82.3	60.5	89.5	31.4	81.4	
VEL=	1.3	2.7	2.3	1.8	1.4	8.3	1.8	1.3	2.2	2.9	3.4	3.1	
DEPTH=	.6	2.2	1.7	1.2	1.7	4.3	2.6	.7	1.6	2.5	3.2	2.6	

STA=	10270.	10302.
PER Q=	1.6	
AREA=	31.2	
VEL=	1.6	
DEPTH=	1.0	

1490 NH CARD USED
*SECNO 10.207
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9332.3 10263.3 TYPE= 1 TARGET= 931.000

10.207	4.71	1586.71	.00	.00	1586.86	.15	2.67	.01	1585.80
2943.0	1647.8	595.3	699.9	577.1	202.9	185.7	1199.2	643.7	1586.00
3.49	2.86	2.93	3.77	.055	.076	.047	.000	1582.00	9542.58
.007195	500.	550.	620.	3	0	0	.00	670.15	10212.73

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

FLOW DISTRIBUTION FOR SECNO= 10.21 CWSEL= 1586.71

STA=	9543.	9618.	9676.	9708.	9781.	9880.	9915.	9975.	9988.	10074.	10118.	10121.	10175.
PER Q=	4.1	10.6	6.1	12.7	14.6	3.3	3.7	.9	20.2	10.8	3.7	7.6	
AREA=	58.9	97.0	54.8	117.9	145.1	39.0	52.5	11.9	202.9	63.5	11.1	86.0	
VEL=	2.1	3.2	3.3	3.2	3.0	2.5	2.1	2.2	2.9	5.0	9.8	2.6	
DEPTH=	.8	1.7	1.7	1.6	1.5	1.1	.9	.9	2.4	1.5	3.3	1.6	

STA=	10175.	10213.
PER Q=	1.7	
AREA=	25.1	
VEL=	1.9	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 10.311
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

10.311	4.53	1589.53	.00	.00	1589.63	.10	2.76	.01	1588.80	
2943.0	1170.1	773.1	999.8	658.9	226.4	414.0	1213.5	653.8	1588.60	
3.55	1.78	3.42	2.42	.055	.061	.055	.000	1585.00	9337.31	
.003702	550.	550.	550.	3	0	0	.00	937.05	10274.36	

FLOW DISTRIBUTION FOR SECNO= 10.31 CWSEL= 1589.53

STA=	9337.	9427.	9529.	9672.	9731.	9804.	9896.	9957.	10020.	10055.	10106.	10139.	10158.
PER Q=	3.8	5.1	12.7	6.0	5.3	4.3	2.6	26.3	3.3	8.5	6.9	3.8	
AREA=	71.6	94.7	189.0	84.2	85.8	82.3	51.3	226.4	47.4	98.2	72.7	41.0	
VEL=	1.6	1.6	2.0	2.1	1.8	1.5	1.5	3.4	2.0	2.6	2.8	2.7	
DEPTH=	.8	.9	1.3	1.4	1.2	.9	.8	3.6	1.4	1.9	2.2	2.1	

STA=	10158.	10181.	10235.	10274.
PER Q=	4.2	5.9	1.4	
AREA=	46.4	80.8	27.5	
VEL=	2.6	2.2	1.5	
DEPTH=	2.0	1.5	.7	

1490 NH CARD USED
*SECNO 10.415

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

10.415	4.92	1592.92	.00	.00	1593.18	.26	3.50	.05	1591.90
2943.0	638.6	1193.1	1111.3	249.1	234.9	319.6	1227.6	665.4	1592.00
3.59	2.56	5.08	3.48	.055	.073	.055	.000	1588.00	9465.19
.011858	640.	550.	540.	2	0	0	.00	744.50	10293.88

FLOW DISTRIBUTION FOR SECNO= 10.41 CWSEL= 1592.92

STA=	9465.	9809.	9861.	9903.	9922.	9960.	10026.	10071.	10119.	10153.	10197.	10212.	10268.
PER Q=	4.8	3.2	5.8	3.1	4.7	40.5	4.8	10.7	4.7	3.3	3.3	9.4	
AREA=	92.2	36.9	50.9	26.1	43.0	234.9	46.4	77.5	41.3	35.4	24.1	76.5	
VEL=	1.5	2.6	3.4	3.5	3.2	5.1	3.0	4.1	3.4	2.7	4.1	3.6	
DEPTH=	.3	.7	1.2	1.3	1.1	3.5	1.0	1.6	1.2	.8	1.6	1.4	

STA=	10268.	10294.
PER Q=	1.6	
AREA=	18.5	
VEL=	2.6	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 10.521
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.80

10.521	4.43	1596.33	.00	.00	1596.47	.14	3.28	.01	1594.90
2943.0	384.5	1875.7	682.8	262.5	539.0	304.5	1239.4	674.9	1594.70
3.64	1.47	3.48	2.24	.055	.059	.055	.000	1591.90	9377.09
.003662	520.	560.	525.	4	0	0	.00	810.66	10308.75

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

FLOW DISTRIBUTION FOR SECNO= 10.52 CWSEL= 1596.33

STA=	9377.	9682.	9824.	9885.	9899.	10054.	10076.	10103.	10119.	10146.	10193.	10245.	10309.
PER Q=	3.2	3.2	5.1	1.5	63.7	3.2	5.2	3.2	3.8	4.3	3.3	.2	
AREA=	84.1	80.6	77.1	20.6	539.0	39.6	56.5	34.8	47.2	63.0	56.6	6.7	
VEL=	1.1	1.2	1.9	2.2	3.5	2.4	2.7	2.7	2.3	2.0	1.7	.7	
DEPTH=	.3	.6	1.3	1.5	3.5	1.8	2.1	2.2	1.7	1.4	1.1	.1	

1490 NH CARD USED
*SECNO 10.606
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

10.606	5.57	1598.87	.00	.00	1599.04	.17	2.56	.01	1597.80
2943.0	639.0	2048.5	255.5	252.7	605.1	61.3	1249.6	681.8	1596.70
3.68	2.53	3.39	4.17	.055	.078	.055	.000	1593.30	9458.84
.010537	380.	450.	475.	3	0	0	.00	637.43	10096.27

FLOW DISTRIBUTION FOR SECNO= 10.61 CWSEL= 1598.87

STA=	9459.	9593.	9634.	9665.	9704.	9769.	9797.	10059.	10078.	10096.
PER Q=	3.6	5.8	3.2	3.4	3.6	2.1	69.6	6.5	2.2	
AREA=	58.7	52.4	32.4	37.2	46.9	24.9	605.1	40.8	20.5	
VEL=	1.8	3.3	2.9	2.7	2.2	2.5	3.4	4.7	3.2	
DEPTH=	.4	1.3	1.1	1.0	.7	.9	2.3	2.2	1.1	

1490 NH CARD USED
*SECNO 10.681

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.85

PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.

10.681	4.80	1600.80	.00	.00	1601.05	.26	1.99	.03	1599.30
2943.0	501.4	1812.2	629.4	329.6	365.5	305.9	1257.8	687.3	1599.50
3.71	1.52	4.96	2.06	.055	.038	.055	.000	1596.00	9561.81
.003091	325.	395.	400.	3	0	0	.00	713.12	10274.93

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

FLOW DISTRIBUTION FOR SECNO= 10.68 CWSEL= 1600.80

STA=	9562.	9773.	9851.	9889.	9924.	9958.	9958.	9976.	10000.	10018.	10065.	10112.	10169.
PER Q=	3.3	3.5	3.6	3.4	3.2	.0	3.1	28.1	22.6	7.8	5.2	8.8	
AREA=	102.2	71.5	54.9	51.7	48.7	.5	50.4	105.3	82.0	127.8	74.8	110.4	
VEL=	1.0	1.4	1.9	1.9	1.9	2.0	1.8	7.9	8.1	1.8	2.0	2.4	
DEPTH=	.5	.9	1.4	1.5	1.4	1.5	2.8	4.3	4.6	2.7	1.6	2.0	

STA=	10169.	10208.	10250.	10275.
PER Q=	3.1	3.9	.3	
AREA=	51.2	59.9	9.6	
VEL=	1.8	1.9	.9	
DEPTH=	1.3	1.4	.4	

1490 NH CARD USED
*SECNO 10.787
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .41

10.787	4.99	1603.99	1603.96	.00	1604.58	.59	3.43	.10	1603.60
2943.0	517.5	1728.9	696.5	137.1	231.5	200.5	1267.6	694.7	1603.60
3.74	3.77	7.47	3.47	.055	.064	.055	.000	1599.00	9829.06
.018386	510.	560.	560.	5	8	0	.00	478.79	10340.57

FLOW DISTRIBUTION FOR SECNO= 10.79 CWSEL= 1603.99

STA=	9829.	9861.	9878.	9906.	9977.	10040.	10116.	10123.	10190.	10244.	10325.	10341.
PER Q=	3.4	4.2	5.1	4.8	58.7	3.3	5.3	5.2	3.3	5.9	.7	
AREA=	27.4	25.9	34.6	49.1	231.5	28.4	20.8	49.8	35.2	57.7	8.6	
VEL=	3.7	4.8	4.4	2.9	7.5	3.4	7.5	3.1	2.8	3.0	2.4	
DEPTH=	.9	1.5	1.3	.7	3.7	.4	3.0	.7	.6	.7	.5	

1490 NH CARD USED
*SECNO 10.890

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.25

THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.
THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

10.890	5.61	1608.61	.00	.00	1608.75	.14	4.12	.05	1607.10
3120.0	398.5	980.9	1740.6	216.8	221.9	816.3	1279.4	703.7	1607.60
3.79	1.84	4.42	2.13	.055	.058	.055	.000	1603.00	9780.02
.004077	550.	550.	570.	7	0	0	.00	909.37	10716.29

FLOW DISTRIBUTION FOR SECNO= 10.89 CWSEL= 1608.61

STA=	9780.	9891.	9952.	9983.	10031.	10092.	10121.	10171.	10261.	10331.	10353.	10422.	10468.
PER Q=	6.6	3.3	2.9	31.4	3.2	3.2	6.5	4.2	3.9	3.2	6.2	4.0	
AREA=	114.1	60.4	42.3	221.9	58.8	43.3	84.2	79.8	70.5	38.8	92.2	60.2	
VEL=	1.8	1.7	2.1	4.4	1.7	2.3	2.4	1.6	1.7	2.6	2.1	2.1	
DEPTH=	1.0	1.0	1.4	4.7	1.0	1.5	1.7	.9	1.0	1.7	1.3	1.3	

STA=	10468.	10500.	10529.	10566.	10578.	10624.	10716.
PER Q=	3.9	4.2	3.4	3.8	4.1	2.0	
AREA=	51.1	51.9	50.2	34.8	59.8	40.5	
VEL=	2.4	2.5	2.1	3.4	2.1	1.5	
DEPTH=	1.6	1.8	1.4	2.8	1.3	.4	

1490 NH CARD USED
*SECNO 10.996
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .25

3470 ENCROACHMENT STATIONS= 9903.3 10127.3 TYPE= 1 TARGET= 224.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
10.996	5.48	1610.88	.00	.00	1611.00	.12	2.25	.00	1610.00
756.0	32.0	723.8	.2	26.1	254.6	.8	1289.2	710.5	1610.80
3.85	1.23	2.84	.19	.055	.064	.055	.000	1605.40	9903.30
.003918	560.	555.	555.	5	0	0	.00	155.53	10058.83

FLOW DISTRIBUTION FOR SECNO= 11.00 CWSEL= 1610.88

STA=	9903.	9945.	10036.	10059.
PER Q=	4.2	95.7	.0	
AREA=	26.1	254.6	.8	
VEL=	1.2	2.8	.2	
DEPTH=	.6	2.8	.0	

1490 NH CARD USED
*SECNO 11.101
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9825.0 10064.6 TYPE= 1 TARGET= 239.600

11.101	5.22	1613.22	.00	.00	1613.31	.09	2.31	.00	1612.00
756.0	60.7	695.3	.0	44.0	283.9	.0	1293.2	712.9	100000.00
3.91	1.38	2.45	.00	.055	.073	.000	.000	1608.00	9865.00
.004238	740.	555.	350.	2	0	0	.00	193.14	10058.13

FLOW DISTRIBUTION FOR SECNO= 11.10 CWSEL= 1613.22

STA=	9865.	9926.	9945.	10065.
PER Q=	3.1	4.9	92.0	
AREA=	23.9	20.1	283.9	
VEL=	1.0	1.8	2.4	
DEPTH=	.4	1.1	2.5	

1490 NH CARD USED
*SECNO 11.205
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .41

3470 ENCROACHMENT STATIONS= 9639.4 10143.8 TYPE= 1 TARGET= 504.399

11.205	7.23	1617.53	1617.13	.00	1618.10	.56	4.65	.14	1618.00
756.0	163.3	592.7	.0	32.2	94.6	.0	1296.1	714.5	1618.00
3.94	5.07	6.27	.00	.055	.064	.000	.000	1610.30	9712.57
.025632	500.	550.	555.	9	14	0	.00	76.97	10011.25

FLOW DISTRIBUTION FOR SECNO= 11.20 CWSEL= 1617.53

STA=	9713.	9894.	9901.	9905.	10013.
PER Q=	10.3	10.5	.7	78.4	
AREA=	18.0	12.2	2.0	94.6	
VEL=	4.3	6.5	2.7	6.3	
DEPTH=	.1	1.9	.5	2.3	

1490 NH CARD USED
*SECNO 11.309
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.64

3470 ENCROACHMENT STATIONS= 9827.9 10045.9 TYPE= 1 TARGET= 218.000

11.309	7.36	1622.46	.00	.00	1622.60	.13	4.45	.04	1622.00
756.0	139.4	616.6	.0	103.1	193.7	.0	1298.9	716.7	100000.00
3.99	1.35	3.18	.00	.055	.064	.000	.000	1615.10	9827.90
.003673	680.	550.	550.	4	0	0	.00	217.52	10045.42

FLOW DISTRIBUTION FOR SECNO= 11.31 CWSEL= 1622.46

STA=	9828.	9878.	9880.	9880.	9894.	9921.	9990.	10046.
PER Q=	1.1	.1	.0	2.2	6.6	8.3	81.6	
AREA=	12.9	.9	.3	11.2	29.5	48.2	193.7	
VEL=	.7	1.0	1.0	1.5	1.7	1.3	3.2	
DEPTH=	.3	.5	.5	.9	1.1	.7	3.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 11.405
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9760.6 10082.3 TYPE= 1 TARGET= 321.700

11.405	4.65	1625.35	.00	.00	1625.70	.35	3.04	.07	1625.80
756.0	.0	756.0	.0	.0	158.7	.0	1301.8	718.6	1625.60
4.02	.00	4.76	.00	.000	.064	.000	.000	1620.70	9973.51
.010538	700.	505.	350.	4	0	0	.00	52.54	10026.05

FLOW DISTRIBUTION FOR SECNO= 11.40 CWSEL= 1625.35

STA= 9974. 10027.
PER Q= 100.0
AREA= 158.7
VEL= 4.8
DEPTH= 3.0

1490 NH CARD USED
#SECNO 11.512

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.92

3470 ENCROACHMENT STATIONS= 9895.5 10174.0 TYPE= 1 TARGET= 278.500
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.
THIS WAS CONSIDERED UPSTREAM LIMIT OF EAST (LT. SIDE) BREAKOUT
OF FLOW WHICH RETURNS AT SEC, 10.89.BREAKOUT TO EAST SIDE WAS BASED ON
LEFT OVERBANK FLOW DISTRIBUTION FROM PRVIOUS RUN.
THE FLOW WAS CONSIDERED CAPABLE OF SHIFTING FLOW DISTRIBUTIONS TO
MAINTAIN RELATIVLY EQUAL WATER SURF.ELV. ACROSS CROSS-SECTION UPSTREAM
OF SEC. 11.512 TO SECTION 11.95.

11.512	4.23	1628.33	.00	.00	1628.50	.17	2.79	.02	1628.70
756.0	.0	756.0	.0	.0	229.5	.0	1304.3	719.8	1629.00
4.07	.00	3.29	.00	.000	.034	.000	.000	1624.10	9916.29
.002847	510.	565.	600.	4	0	0	.00	134.64	10050.93

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

FLOW DISTRIBUTION FOR SECNO= 11.51 CWSEL= 1628.33

STA=	9916.	9927.	9940.	9955.	9988.	9997.	10016.	10025.	10056.
PER Q=	.4	21.9	2.9	8.9	3.5	52.6	4.8	4.9	
AREA=	5.9	32.6	20.2	40.6	18.4	63.9	21.9	26.1	
VEL=	.6	5.1	1.1	1.7	1.4	6.2	1.7	1.4	
DEPTH=	.6	2.4	1.4	1.2	2.1	3.3	2.6	1.0	

1490 NH CARD USED
*SECNO 11.578
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9544.8 10054.3 TYPE= 1 TARGET= 509.500

11.578	4.37	1631.07	.00	.00	1631.38	.31	2.83	.04	1632.00
1585.0	816.0	749.4	19.6	183.5	162.9	12.0	1306.7	721.6	1630.80
4.09	4.45	4.60	1.63	.055	.069	.055	.000	1626.70	9619.91
.017138	380.	350.	250.	3	0	0	.00	297.48	10051.79

FLOW DISTRIBUTION FOR SECNO= 11.58 CWSEL= 1631.07

STA=	9620.	9633.	9641.	9649.	9651.	9659.	9669.	9678.	9720.	9725.	9768.	9790.	9818.
PER Q=	3.7	4.9	4.7	3.1	7.0	4.5	3.8	6.8	4.5	3.5	3.9	1.0	
AREA=	14.0	14.9	14.3	7.0	17.6	15.8	13.2	28.8	11.6	18.1	18.6	9.5	
VEL=	4.2	5.2	5.2	7.0	6.3	4.5	4.6	3.8	6.2	3.1	3.3	1.7	
DEPTH=	1.1	1.8	1.8	2.8	2.4	1.5	1.5	.7	2.4	.4	.9	.3	

STA=	9818.	10012.	10052.
PER Q=	47.3	1.2	
AREA=	162.9	12.0	
VEL=	4.6	1.6	
DEPTH=	2.1	.3	

1490 NH CARD USED
*SECNO 11.642

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.13

3470 ENCROACHMENT STATIONS= 9419.9 10581.1 TYPE= 1 TARGET= 1161.199

11.642	4.61	1633.51	.00	.00	1633.63	.11	2.22	.02	1633.30
1585.0	512.1	1051.1	21.8	246.9	357.6	26.4	1310.4	724.6	1633.20
4.13	2.07	2.94	.83	.055	.062	.055	.000	1628.90	9606.95
.003770	285.	340.	440.	4	0	0	.00	514.48	10121.43

FLOW DISTRIBUTION FOR SECNO= 11.64 CWSEL= 1633.51

STA=	9607.	9648.	9672.	9679.	9683.	9699.	9718.	9727.	9760.	9911.	10039.	10121.
PER Q=	4.8	4.4	3.4	3.2	4.3	3.7	3.8	3.5	1.2	66.3	1.4	
AREA=	42.2	33.2	18.2	13.2	29.1	25.6	20.7	32.2	32.5	357.6	26.4	
VEL=	1.8	2.1	3.0	3.8	2.3	2.3	2.9	1.7	.6	2.9	.8	
DEPTH=	1.0	1.4	2.5	3.7	1.7	1.4	2.3	1.0	.2	2.8	.3	

1490 NH CARD USED
*SECNO 11.717
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .55

3470 ENCROACHMENT STATIONS= 9435.5 10200.0 TYPE= 1 TARGET= 764.500

11.717	3.10	1635.80	.00	.00	1636.05	.25	2.38	.04	1636.40
1585.0	513.0	1072.0	.0	180.5	242.4	.0	1314.9	728.4	1636.00
4.16	2.84	4.42	.00	.055	.057	.000	.000	1632.70	9640.96
.012628	340.	395.	410.	2	0	0	.00	406.15	10135.67

FLOW DISTRIBUTION FOR SECNO= 11.72 CWSEL= 1635.80

STA=	9641.	9693.	9703.	9720.	9726.	9762.	9792.	9815.	9877.	9918.	10137.
PER Q=	3.9	4.0	4.7	3.7	3.8	4.5	3.5	3.7	.7	67.6	
AREA=	28.0	15.1	19.0	12.5	24.3	23.6	19.5	29.7	8.9	242.4	
VEL=	2.2	4.2	4.0	4.7	2.5	3.0	2.8	1.9	1.2	4.4	
DEPTH=	.5	1.6	1.1	2.1	.7	.8	.8	.5	.2	1.9	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 11.776
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9507.6 10230.6 TYPE= 1 TARGET= 723.000
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.

11.776	3.70	1638.30	.00	.00	1638.39	.08	2.33	.02	1637.40
1585.0	893.1	691.9	.0	377.0	310.7	.0	1318.5	731.6	100000.00
4.19	2.37	2.23	.00	.055	.062	.000	.000	1634.60	9626.23
.005611	260.	310.	360.	2	0	0	.00	584.75	10228.51

FLOW DISTRIBUTION FOR SECNO= 11.78 CWSEL= 1638.30

STA=	9626.	9667.	9695.	9704.	9731.	9738.	9749.	9799.	9812.	9827.	9864.	9969.	9986.
PER Q=	3.6	8.3	4.0	4.1	3.3	5.6	3.2	4.2	6.2	6.1	5.8	1.9	
AREA=	30.2	46.6	19.2	30.0	15.5	25.2	32.7	22.1	30.1	51.2	58.2	15.8	
VEL=	1.9	2.8	3.3	2.2	3.4	3.5	1.5	3.0	3.3	1.9	1.6	1.9	
DEPTH=	.7	1.7	2.1	1.1	2.2	2.2	.7	1.7	2.0	.9	.7	.9	

STA=	9986.	10231.
PER Q=	43.6	
AREA=	310.7	
VEL=	2.2	
DEPTH=	1.4	

1490 NH CARD USED
*SECNO 11.885
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9619.5 10769.8 TYPE= 1 TARGET= 1150.300

11.885	4.92	1642.22	.00	.00	1642.31	.10	3.92	.00	1641.80
1585.0	475.9	1046.3	62.8	177.7	436.1	28.9	1327.3	740.1	1641.90
4.25	2.68	2.40	2.17	.055	.062	.055	.000	1637.30	9705.71
.008536	575.	575.	470.	4	0	0	.00	710.83	10495.32

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

FLOW DISTRIBUTION FOR SECNO= 11.89 CWSEL= 1642.22

STA=	9706.	9739.	9745.	9763.	9776.	9791.	9798.	9859.	9983.	10444.	10466.	10495.
PER Q=	3.5	3.1	3.5	4.8	5.2	4.3	4.0	1.6	66.0	3.6	.4	
AREA=	25.1	11.6	19.0	20.6	23.4	16.6	34.8	26.5	436.1	22.3	6.6	
VEL=	2.2	4.2	3.0	3.7	3.5	4.2	1.8	.9	2.4	2.5	1.0	
DEPTH=	.7	2.2	1.0	1.6	1.5	2.3	.6	.2	1.1	1.0	.2	

1490 NH CARD USED
*SECNO 11.950
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

SECTION NO. 11.954 WAS SHORTENED TO 11.95 TO ALLOW REPEATING FOR ANALYSIS OF BREAKOUT ON EAST SIDE FROM SEC. 12.043 TO SEC. 12.179, WHERE WEIR FLOW INTO EAST (LT. SIDE) OVERBANK WAS COMPUTED FROM MAIN CHANNEL.

11.950	4.14	1645.64	.00	.00	1645.72	.09	3.41	.00	1646.60
1585.0	573.4	1011.4	.3	236.9	425.5	.6	1332.8	746.3	1645.50
4.30	2.42	2.38	.45	.055	.061	.055	.000	1641.50	9655.97
.009857	390.	365.	320.	5	0	0	.00	743.37	10591.45

FLOW DISTRIBUTION FOR SECNO= 11.95 CWSEL= 1645.64

STA=	9656.	9790.	9830.	9918.	9948.	9955.	10583.	10591.
PER Q=	21.0	3.3	8.7	3.1	.1	63.8	.0	
AREA=	127.0	24.2	61.8	22.3	1.6	425.5	.6	
VEL=	2.6	2.2	2.2	2.2	1.2	2.4	.5	
DEPTH=	.9	.6	.7	.7	.3	1.0	.1	

1490 NH CARD USED
*SECNO 12.043
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9974.5 10786.3 TYPE= 1 TARGET= 611.800
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT

SECTIONS 12.043, 12.107 AND 12.179 TO DEFINE BDY. WHERE WEIR FLOW
INTO LT. OVERBANK OCCURED.
MAIN CHANNEL DISCHARGES ARE REDUCED AT SECTIONS 12.043 ,12.107 AND
TO REFLECT WEIR FLOW INTO LT. OVERBANK. THIS WEIR FLOW INTO
LT. OVERBANK WAS THEN MODELED BY TRIBUTARY ANALYSIS OPTION OF HEC2

12.043	3.44	1648.74	.00	.00	1648.79	.05	3.06	.00	1648.70
836.0	.0	802.4	33.6	.0	435.0	42.6	1338.9	752.6	1648.70
4.37	.00	1.84	.79	.000	.061	.055	.000	1645.30	9974.50
.003596	465.	470.	350.	4	0	0	.00	468.06	10568.00

FLOW DISTRIBUTION FOR SECNO= 12.04 CWSEL= 1648.74

STA=	9975.	10365.	10398.	10409.	10481.	10525.	10545.	10568.
PER Q=	96.0	.2	.1	.2	2.1	1.2	.2	
AREA=	435.0	4.4	1.3	4.1	19.1	9.7	3.9	
VEL=	1.8	.4	.4	.4	.9	1.0	.5	
DEPTH=	1.4	.1	.1	.1	.4	.5	.2	

1490 NH CARD USED
*SECNO 12.107
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9974.9 10451.5 TYPE= 1 TARGET= 476.600
WEIR FLOW TO EAST (LT. SIDE) WAS ESTIMATED AT 206 CFS,BETWEEN SEC.12.107
AND SEC.12.179. TOTAL FLOW IN MAIN CHANNEL AT SEC. 12.107 IS 1017CFS.

12.107	2.94	1650.94	.00	.00	1651.10	.16	2.28	.03	1651.70
1017.0	.0	746.1	270.9	.0	216.8	101.9	1342.0	755.6	1650.00
4.40	.00	3.44	2.66	.000	.058	.055	.000	1648.00	9977.12
.013908	340.	340.	330.	2	0	0	.00	314.78	10356.02

FLOW DISTRIBUTION FOR SECNO= 12.11 CWSEL= 1650.94

STA=	9977.	10217.	10339.	10356.
PER Q=	73.4	25.8	.8	
AREA=	216.8	96.3	5.6	
VEL=	3.4	2.7	1.5	
DEPTH=	1.2	.8	.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 12.179
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.87

3470 ENCROACHMENT STATIONS= 9969.5 10232.4 TYPE= 1 TARGET= 262.900
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED IN RIGHT OVERBANK TO
ALONG GRADE BREAK WHICH DEFINED BREAKOUT OF FLOW TO WEST BETWEEN
SECTIONS 12.179 AND 12.560.
A WEIR FLOW ANALYSIS WAS INITIALLY CONDUCTED TO DETERMINE THE
AMOUNT OF FLOW WHICH COULD BREAKOUT TO THE WEST.THIS ANAYLSIS
INDICATED UP TO 2350CFS OF THE Q100=3120 CFS COULD BREAKOUT TO WEST.
ANOTHER BACKWATER ANALYSIS OF THE WEST BREAKOUT WASH CAPACITY WAS
THEN CONDUCTED TO DETERMINE IF THIS WEST BREAKOUT WASH COULD
CONVEY THIS MUCH FLOW. IT WAS DETERMINED THAT THE WEST WASH CAPACITY
DICTATED BREAKOUT BETWEEN SEC. 12.275 AND 12.560 AND THAT BETWEEN
SECTIONS 12.179 AND 12.275, WEIR FLOW DICTATED BREAKOUT TO THE WEST.
THE BREAKOUT TO THE WEST BETWEEN SECTIONS 12.179 AND 12.275 WAS ESTI-
MATED TO BE 615CFS (WEIR FLOW) FOR THE 100 YR. EVENT.
TOTAL FLOW IN WEST WASH BREAKOUT AT SEC. 12.179 IS 1535 CFS.
LIKEWISE IT WAS ESTIMATED THAT 362 CFS, BREAKS OUT TO THE EAST BASED
ON WEIR FLOW BETWEEN SEC. 12.179 AND 12.275.
AS SUCH THE MAIN CHANNEL FLOW AT SEC. 12.179 IS 1223 CFS.
BEGIN PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 490 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT. ALONG SECTN
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA.10487 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.
PATTON ROAD ALIGNMENT. NO ROAD ACROSS DAGGS WASH.

12.179	3.46	1654.16	.00	.00	1654.29	.13	3.19	.00	1653.70
1223.0	.0	379.6	643.4	.0	138.5	277.7	1345.3	758.1	1653.30
4.44	.00	2.74	3.04	.000	.069	.055	.000	1650.70	9969.50
.005743	345.	380.	400.	2	0	0	.00	243.44	10212.94

FLOW DISTRIBUTION FOR SECNO= 12.18 CWSEL= 1654.16

STA=	9970.	10032.	10064.	10088.	10128.	10133.	10145.	10152.	10164.	10174.	10183.	10193.	10213.
PER Q=	31.0	4.2	8.8	7.4	3.1	12.1	5.0	3.8	5.9	9.9	5.3	3.3	
AREA=	138.5	27.6	38.5	42.4	11.7	34.3	17.5	17.6	20.7	28.8	19.7	18.9	
VEL=	2.7	1.9	2.8	2.1	3.3	4.3	3.5	2.6	3.5	4.2	3.3	2.2	
DEPTH=	2.2	.9	1.6	1.1	2.2	3.1	2.2	1.5	2.2	3.0	2.0	.9	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 12.275
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.83

3470 ENCROACHMENT STATIONS= 9761.1 10657.7 TYPE= 1 TARGET= 896.601
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC 12.275
WAS ESTIMATED AT 920 CFS.

12.275	3.35	1657.05	.00	.00	1657.15	.10	2.85	.00	1656.70
2200.0	18.1	371.4	1810.5	18.4	119.4	733.8	1352.8	763.7	1657.30
4.49	.98	3.11	2.47	.055	.062	.055	.000	1653.70	9910.84
.005536	500.	505.	510.	5	0	0	.00	722.54	10657.70

FLOW DISTRIBUTION FOR SECNO= 12.27 CWSEL= 1657.05

STA=	9911.	9971.	10023.	10160.	10185.	10278.	10293.	10331.	10374.	10394.	10412.	10526.	10546.
PER Q=	.8	16.9	6.8	3.1	10.0	3.1	6.0	4.1	6.0	4.2	26.5	3.4	
AREA=	18.4	119.4	80.2	29.6	102.7	24.0	52.9	42.2	40.2	31.3	200.1	29.0	
VEL=	1.0	3.1	1.9	2.3	2.1	2.9	2.5	2.1	3.3	2.9	2.9	2.6	
DEPTH=	.3	2.4	.6	1.2	1.1	1.7	1.4	1.0	2.1	1.7	1.7	1.5	

STA=	10546.	10594.	10658.
PER Q=	5.6	3.5	
AREA=	55.6	46.0	
VEL=	2.2	1.7	
DEPTH=	1.1	.7	

1490 NH CARD USED
*SECNO 12.370
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9580.5 10740.1 TYPE= 1 TARGET= 1159.600
LAND CLEARED ON EACH SIDE OF WASH FOR RANCH\FARM OPERATION.

LOWER OVERBANK 'N' VALUES AT THIS SECTION FOR THIS LAND TREATMENT.
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC.12.370
WAS ESTIMATED AT 370 CFS.

12.370	3.34	1660.04	.00	.00	1660.25	.21	3.07	.03	1659.80
2750.0	100.1	583.5	2066.5	56.9	103.1	707.2	1362.5	772.2	1660.70
4.53	1.76	5.66	2.92	.050	.041	.052	.000	1656.70	9864.20
.007082	540.	500.	480.	3	0	0	.00	788.00	10740.10

FLOW DISTRIBUTION FOR SECNO= 12.37 CWSEL= 1660.04

STA=	9864.	9955.	9970.	10010.	10306.	10344.	10388.	10429.	10509.	10526.	10559.	10648.	10740.
PER Q=	3.4	.3	21.2	9.3	3.4	5.8	8.5	23.9	3.6	5.3	3.8	11.6	
AREA=	51.0	5.9	103.1	130.1	37.5	54.8	66.9	163.2	29.7	49.1	56.4	119.5	
VEL=	1.8	1.3	5.7	2.0	2.5	2.9	3.5	4.0	3.3	3.0	1.9	2.7	
DEPTH=	.6	.4	2.6	.4	1.0	1.2	1.6	2.0	1.7	1.5	.6	1.3	

1490 NH CARD USED
*SECNO 12.464
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9364.1 10683.9 TYPE= 1 TARGET= 1319.801
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAP. ANALYSIS AT SEC. 12.464
WAS ESTIMATED AT 250 CFS.

12.464	3.60	1662.90	.00	.00	1663.03	.13	2.77	.01	1662.50
2820.0	189.0	427.2	2203.8	111.1	118.2	778.5	1371.5	780.2	1663.30
4.57	1.70	3.61	2.83	.055	.062	.055	.000	1659.30	9650.35
.006110	500.	495.	400.	2	0	0	.00	846.92	10658.63

FLOW DISTRIBUTION FOR SECNO= 12.46 CWSEL= 1662.90

STA=	9650.	9950.	9986.	10031.	10207.	10296.	10315.	10402.	10476.	10513.	10606.	10636.	10659.
PER Q=	4.2	2.5	15.1	3.7	12.4	4.3	16.6	12.8	6.9	15.4	5.0	1.2	
AREA=	76.8	34.3	118.2	57.9	129.4	36.7	152.4	122.3	64.0	149.5	48.5	17.8	
VEL=	1.5	2.0	3.6	1.8	2.7	3.3	3.1	3.0	3.0	2.9	2.9	1.8	
DEPTH=	.3	1.0	2.7	.3	1.4	1.9	1.8	1.7	1.7	1.6	1.6	.8	

1490 NH CARD USED
*SECNO 12.560
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9423.1 10631.1 TYPE= 1 TARGET= 1208.000
PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 80 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT.,PARALLELING
CROSS-SECTION AND APPRX. 75 FT. UPSTREAM OF SECTION.
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA. 10080 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.

12.560	3.66	1665.86	.00	.00	1666.02	.17	2.98	.01	1665.80
2870.0	613.0	877.7	1379.3	287.8	170.3	766.9	1383.7	790.1	1665.00
4.62	2.13	5.15	1.80	.055	.048	.086	.000	1662.20	9632.90
.006426	500.	505.	460.	3	0	0	.00	964.27	10631.10

FLOW DISTRIBUTION FOR SECNO= 12.56 CWSEL= 1665.86

STA=	9633.	9668.	9816.	9937.	9964.	10020.	10078.	10109.	10196.	10347.	10384.	10443.	10470.
PER Q=	3.2	13.5	4.6	.1	30.6	5.4	3.6	3.1	4.7	3.0	4.8	3.1	
AREA=	37.6	165.7	80.0	4.4	170.3	65.5	52.8	70.5	105.1	52.0	82.5	47.0	
VEL=	2.4	2.3	1.6	.6	5.2	2.4	1.9	1.2	1.3	1.7	1.7	1.9	
DEPTH=	1.1	1.1	.7	.2	3.0	1.1	1.7	.8	.7	1.4	1.4	1.7	

STA=	10470.	10489.	10591.	10631.
PER Q=	3.7	14.0	2.7	
AREA=	44.8	195.8	50.8	
VEL=	2.4	2.1	1.5	
DEPTH=	2.4	1.9	1.3	

1490 NH CARD USED
#SECNO 12.657
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9890.0 10546.1 TYPE= 1 TARGET= 658.100
RETURN TO TOTAL 100 YR. FLOW IN MAIN CHANNEL AT THIS SECTION.
100-YR DISCHARGE INCREASES FROM 3120CFS TO 3297CFS.THIS REFLECTS
APPARENT ATTENUATION OF FLOW PEAK DUE TO CHANNEL ROUTING WHICH
WAS REFLECTED IN THE JACKRABBIT WASH HYDROLOGY.
100-YR 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=CBB. (D.A.=13.31 SQ. MI.).
AREA TO LEFT OF STA.9890 BLOCKED OUT AS INEFFECTIVE FLOW, BASED ON
4:1 FLARE ANGLE DOWNSTREAM FROM BOX CULVERT OUTLET. THE 2-36"X 22"
CMPA'S AT LEFT WERE CONSIDERED TO CONTRIBUTE INSIGNIFICANT FLOW TO
THIS OVERBANK. FLOW OVER THE RD. DOES NOT OCCUR IN LT. OVERBANK.

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
12.657	4.09	1669.19	.00	.00	1669.41	.21	3.37	.01	1668.00
3297.0	327.3	844.4	2125.4	115.1	171.8	658.7	1397.0	799.5	1668.00
4.66	2.84	4.92	3.23	.055	.055	.049	.000	1665.10	9890.00
.006247	400.	510.	580.	3	0	0	.00	599.43	10489.43

FLOW DISTRIBUTION FOR SECNO= 12.66 CWSEL= 1669.19

STA=	9890.	9918.	9964.	10012.	10117.	10159.	10169.	10176.	10189.	10211.	10246.	10357.	10405.
PER Q=	4.1	5.8	25.6	11.1	6.8	7.3	8.9	3.2	4.2	4.2	9.6	5.0	
AREA=	46.8	68.3	171.8	140.7	72.2	32.1	28.4	28.8	42.8	50.1	131.7	63.7	
VEL=	2.9	2.8	4.9	2.6	3.1	7.6	10.4	3.7	3.3	2.7	2.4	2.6	
DEPTH=	1.7	1.5	3.6	1.3	1.7	3.3	3.9	2.3	1.9	1.4	1.2	1.3	

STA=	10405.	10487.
PER Q=	4.2	
AREA=	68.1	
VEL=	2.0	
DEPTH=	.8	

1490 NH CARD USED
*SECNO 12.697

3265 DIVIDED FLOW

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1670.50 ELREA= 1668.40

12.697	3.35	1670.05	.00	.00	1670.33	.28	.91	.02	1666.70
3297.0	.0	919.0	2378.0	.0	137.8	859.4	1401.7	802.3	1666.70
4.67	.00	6.67	2.77	.000	.028	.055	.000	1666.70	9959.00
.003139	230.	210.	210.	2	0	0	.00	530.93	10561.50

FLOW DISTRIBUTION FOR SECNO= 12.70 CWSEL= 1670.05

STA=	9959.	10000.	10136.	10187.	10272.	10286.	10310.	10320.	10346.	10374.	10398.	10562.
PER Q=	27.9	5.3	8.1	24.0	4.6	7.9	3.3	7.6	7.0	4.0	.5	
AREA=	137.8	116.6	106.3	253.0	46.1	77.9	32.1	79.5	76.8	51.8	19.2	
VEL=	6.7	1.5	2.5	3.1	3.3	3.3	3.4	3.2	3.0	2.5	.8	
DEPTH=	3.4	.9	2.1	3.0	3.2	3.3	3.3	3.0	2.8	2.2	.1	

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

CCHV= .300 CEHV= .500
*SECNO 12.701

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.88

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.15

BEGIN NORMAL BRIDGE MODELING OF PEAKVIEW ROAD (A.K.A.TOYOTA PROVING GROUNDS ACCESS RD.)
THE MAIN DAGGS WASH HAS A 4 BARREL 10FT.X 3 FT. X 48FT. CONCRETE BOX CULVERT CROSSING, WITH 45 DEGREE ANGLE WINGWALLS.
THE BOX OUTLET CONC. I.E.=1665.15.
THE BOX INLET CONC. I.E.=1665.35.
THE BOX CULVERT WAS MODELED AS A 40 FT. WIDE X 3.0 FT HIGH OPENING (I.E. WITHOUT PIERS TO SIMPLIFY MODEL).
THE 'N' VALUES FOR LT., RT.,OVERBANKS AND CHANNEL WERE REDUCED TO MODEL THE FLOW SURFACES FOR THE PAVEMENT (N=.016),CONCRETE BOX CULVERT(N=.013), AND THE MINOR CAPACITY CMPA CULVERTS (N=.024). SINCE FLOW OVER THE PAVEMENT DOES NOT OCCUR AT THE LT.OVERBANK OR CHANNEL, THESE 'N' VALUES REPRESENT THE RESPECTIVE CULVERT TYPE.
THE RIGHT SIDE ROAD OVERBANK DIPS DOWN TO A LOW ELEV. OF 1668.0 WHICH IS BELOW THE BOX CULVERT INLET LOW CHORD EL=1669.35 ,HENCE THE NORMAL BRIDGE MODELING OF THIS CROSSING, DUE TO BACKWATER SUBMERGENCE OF RD. AND RELATIVE SMALL CAPACITY OF CULVERTS TO 100 YR. DISCHARGE.
THE LEFT OVERBANK (STA.9687.3) CONTAINS TWO 36"X22"X50 FT. CORRAGATED METAL PIPE ARCH (CMPA'S) CULVERTS. THESE TWO CULVERTS WERE ALSO MODELED AS ONE 4.8 FT. (WIDE) X 1.83 FT. OPENING TO SIMPLIFY MODEL.
THE CMPA'S OUTLET I.E.=1668.8 AND THE INLET I.E.=1669.1.

12.701	3.97	1670.12	.00	.00	1670.37	.25	.03	.01	1669.15	
3297.0	10.4	503.6	2783.0	6.3	119.0	692.8	1402.1	802.5	1669.15	
4.67	1.65	4.23	4.02	.024	.013	.016	.000	1666.15	9684.91	
.000888	20.	20.	20.	2	0	0	-81.38	611.77	10577.66	

FLOW DISTRIBUTION FOR SECNO= 12.70 CWSEL= 1670.12

STA=	9685.	9690.	10000.	10145.	10165.	10215.	10265.	10390.	10440.	10490.	10528.	10578.
PER Q=	.3	15.3	.7	1.5	7.9	13.0	36.6	13.2	8.6	2.5	.4	
AREA=	6.3	119.0	16.4	18.3	73.3	98.3	264.5	99.5	77.0	32.5	12.9	
VEL=	1.7	4.2	1.4	2.6	3.6	4.3	4.6	4.4	3.7	2.5	1.1	
DEPTH=	1.3	3.0	.1	.9	1.5	2.0	2.1	2.0	1.5	.9	.3	

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

*SECNO 12.709

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.35

END PEAKVIEW ROAD.

12.709	3.82	1670.17	.00	.00	1670.41	.24	.03	.00	1669.35
3297.0	7.4	482.7	2806.9	5.1	119.0	718.6	1402.9	803.1	1669.35
4.68	1.45	4.06	3.91	.024	.013	.016	.000	1666.35	9684.91
.000816	40.	40.	40.	2	0	0	-67.66	617.03	10582.86

FLOW DISTRIBUTION FOR SECNO= 12.71 CWSEL= 1670.17

STA=	9685.	9690.	10000.	10145.	10165.	10215.	10265.	10390.	10440.	10490.	10528.	10583.
PER Q=	.2	14.6	.8	1.5	8.1	13.0	36.6	13.2	8.8	2.6	.5	
AREA=	5.1	119.0	18.9	19.4	76.0	101.0	271.2	102.2	79.7	34.5	15.8	
VEL=	1.4	4.1	1.4	2.6	3.5	4.2	4.4	4.3	3.6	2.5	1.1	
DEPTH=	1.1	3.0	.1	1.0	1.5	2.0	2.2	2.0	1.6	.9	.3	

1490 NH CARD USED
*SECNO 12.712

3265 DIVIDED FLOW

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1671.60 ELREA= 1668.50

12.712	4.12	1671.02	1671.02	.00	1671.71	.69	.03	.23	1667.30
3297.0	.0	1532.5	1764.5	.0	163.1	685.6	1403.2	803.3	1666.90
4.68	.00	9.40	2.57	.000	.028	.056	.000	1666.90	9958.30
.005085	16.	16.	16.	20	8	0	.00	603.08	10572.99

FLOW DISTRIBUTION FOR SECNO= 12.71 CWSEL= 1671.02

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

STA=	9958.	10000.	10078.	10146.	10227.	10242.	10281.	10307.	10358.	10391.	10429.	10573.
PER Q=	46.5	3.2	5.8	16.6	3.9	7.6	3.1	4.1	3.5	3.9	1.9	
AREA=	163.1	57.9	84.9	171.9	36.6	79.9	39.5	61.7	47.4	53.3	52.7	
VEL=	9.4	1.8	2.2	3.2	3.5	3.1	2.6	2.2	2.4	2.4	1.2	
DEPTH=	3.9	.7	1.2	2.1	2.5	2.1	1.5	1.2	1.4	1.4	.4	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 12.740

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9810.0 10678.8 TYPE= 1 TARGET= 868.800
UPSTREAM END OF STUDY.
AREA TO LEFT OF STA. 9810 WAS BLOCKED OUT AS INEFFECTIVE BASED ON
1:1 FLARE ANGLE UPSTREAM FROM BOX CULVERT INLET. THE 2-36"X22"CMPA'S
ON LT. SIDE WERE CONSIDERED OF INSIGNIFICANT CAPACITY AND NO RD.
OVERTOPPING OF LEFT OVERBANK OCCURS FOR Q100 WERE BASIS FOR BLOCKOUT.

12.740	4.97	1672.07	.00	.00	1672.48	.41	.74	.03	1671.30
3297.0	230.6	2046.3	1020.1	112.5	326.4	460.0	1406.2	805.5	1672.70
4.69	2.05	6.27	2.22	.055	.029	.055	.000	1667.10	9810.00
.004745	150.	150.	150.	4	0	0	.00	642.04	10578.67

FLOW DISTRIBUTION FOR SECNO= 12.74 CWSEL= 1672.07

STA=	9810.	9844.	9910.	9937.	9958.	9997.	10017.	10042.	10050.	10168.	10237.	10265.	10313.
PER Q=	3.7	3.3	2.0	29.3	2.5	26.5	1.8	.0	5.2	5.1	4.1	7.9	
AREA=	51.9	60.5	43.4	95.5	57.5	89.9	38.9	1.2	97.0	80.9	49.3	91.1	
VEL=	2.4	1.8	1.5	10.1	1.4	9.7	1.5	.7	1.8	2.1	2.7	2.9	
DEPTH=	1.5	.9	1.6	4.6	1.5	4.4	1.6	.2	.8	1.2	1.8	1.9	

STA=	10313.	10532.	10578.
PER Q=	5.4	3.3	
AREA=	90.7	50.9	
VEL=	2.0	2.1	
DEPTH=	.4	1.1	

1490 NH CARD USED

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

```
*SECNO -10.890
START TRIB COMP
   -10.890    10.890  1608.606
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

  -10.890      5.61  1608.61      .00      .00  1608.75      .14      .00      .00  1607.10
   3120.0     398.5    981.0   1740.6    216.8    221.9    816.2   1420.1    815.5  1607.60
     4.74      1.84     4.42     2.13     .055     .058     .055     .000  1603.00  9780.02
  .004078      550.     550.     570.        0        0        0      .00   909.36 10716.28


FLOW DISTRIBUTION FOR SECNO=    -10.89         CWSEL=   1608.61

STA=    9780.    9891.    9952.    9983.   10031.   10092.   10121.   10171.   10261.   10331.   10353.   10422.   10468.
 PER Q=     6.6      3.3      2.9     31.4      3.2      3.2      6.5      4.2      3.9      3.2      6.2      4.0
  AREA=   114.1     60.4     42.3    221.9     58.8     43.3     84.2     79.8     70.5     38.8     92.2     60.2
   VEL=     1.8      1.7      2.1      4.4      1.7      2.3      2.4      1.6      1.7      2.6      2.1      2.1
 DEPTH=     1.0      1.0      1.4      4.7      1.0      1.5      1.7       .9      1.0      1.7      1.3      1.3

STA=   10468.   10500.   10529.   10566.   10578.   10624.   10716.
 PER Q=     3.9      4.2      3.4      3.8      4.1      2.0
  AREA=    51.1     51.9     50.2     34.8     59.8     40.5
   VEL=     2.4      2.5      2.1      3.4      2.1      1.5
 DEPTH=     1.6      1.8      1.4      2.8      1.3       .4

1490 NH CARD USED
*SECNO 20.996
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    10807.8   11072.9  TYPE=      1  TARGET=     265.101
       BEGIN WEST WASH BREAKOUT TRIBUTARY ANALYSIS. REPEAT COMMON CROSS-SECTION
       NO. 10.89
       SECTION 20.996 IS MAIN CHANNEL SEC. 10.996 WITH 10 ADDED TO I.D.NO.
       TO DIFFERENTIATE SECTION I.D.'S. ENCROACHMENTS WERE ADDED TO MAKE
       ONLY THE RIGHTMOST OVERBANK EFFECTIVE FOR THIS BREAKOUT FLOW ANYLSIS.
       DISCHAGE DECREASED TO 1535CFS, REFLECTING THE BREAKOUT ESTIMATED TO
       BETWEEN SECTIONS.12.179 AND 12.560.
       UPSTREAM SECTIONS HAVE HAD 10 ADDED TO EACH MAIN CHANNEL SECTION I.D.
```

NO. TO DIFFERENTIATE WEST WASH BREAKOUT ANALYSIS.

20.996	7.58	1612.98	1612.98	.00	1613.60	.62	3.57	.14	100000.00
1535.0	.0	.0	1535.0	.0	.0	243.4	1429.4	822.4	100000.00
4.76	.00	.00	6.31	.000	.000	.055	.000	1605.40	10834.24
.035384	560.	555.	530.	20	18	0	.00	211.35	11045.59

FLOW DISTRIBUTION FOR SECNO= 21.00 CWSEL= 1612.98

STA=	10834.	10036.	10850.	10859.	10868.	10877.	10908.	10919.	10924.	10935.	10988.	11007.	11046.
PER Q=	.0	7.5	11.4	11.6	7.0	11.0	3.1	4.2	11.9	25.1	4.1	3.2	
AREA=	.0	18.7	19.8	20.3	14.7	32.7	9.7	8.8	22.7	65.6	14.5	15.9	
VEL=	.0	6.2	8.8	8.8	7.3	5.2	4.8	7.4	8.0	5.9	4.3	3.1	
DEPTH=	.0	.0	2.3	2.3	1.7	1.0	.9	1.8	2.0	1.2	.8	.4	

1490 NH CARD USED
*SECNO 21.101

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.90

3470 ENCROACHMENT STATIONS= 10703.8 11192.9 TYPE= 1 TARGET= 489.101

21.101	7.94	1615.94	.00	.00	1616.06	.12	2.42	.05	100000.00
1535.0	.0	.0	1535.0	.0	.0	548.4	1431.7	824.1	100000.00
4.79	.00	.00	2.80	.000	.000	.055	.000	1608.00	10752.53
.004206	740.	555.	260.	8	0	0	.00	338.80	11091.33

FLOW DISTRIBUTION FOR SECNO= 21.10 CWSEL= 1615.94

STA=	10753.	10065.	10866.	10871.	10874.	10915.	10922.	10985.	11044.	11074.	11089.	11091.
PER Q=	.0	11.3	1.5	1.3	23.4	5.7	39.7	14.7	2.1	.3	.0	
AREA=	.0	104.3	8.7	7.2	107.5	22.7	175.5	94.5	22.2	5.6	.2	
VEL=	.0	1.7	2.7	2.8	3.3	3.8	3.5	2.4	1.4	.9	.3	
DEPTH=	.0	.1	1.9	2.0	2.6	3.2	2.8	1.6	.7	.4	.1	

1490 NH CARD USED
*SECNO 21.205

3470 ENCROACHMENT STATIONS= 10705.8 11139.5 TYPE= 1 TARGET= 433.700

21.205	4.03	1618.33	.00	.00	1618.55	.22	2.45	.03	100000.00
1535.0	.0	.0	1535.0	.0	.0	408.9	1436.6	827.1	100000.00
4.82	.00	.00	3.75	.000	.000	.055	.000	1614.30	10787.09
.007736	500.	550.	440.	5	0	0	.00	260.95	11048.04

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

FLOW DISTRIBUTION FOR SECNO= 21.20 CWSEL= 1618.33

STA=	10787.	10096.	10849.	10889.	10958.	10973.	11034.	11048.
PER Q=	.0	3.6	4.8	37.7	13.9	38.4	1.5	
AREA=	.0	33.6	32.0	147.4	44.3	141.6	10.1	
VEL=	.0	1.7	2.3	3.9	4.8	4.2	2.4	
DEPTH=	.0	.0	.8	2.1	2.9	2.3	.7	

1490 NH CARD USED
*SECNO 21.309

3470 ENCROACHMENT STATIONS= 10965.2 11458.4 TYPE= 1 TARGET= 493.200

21.309	5.13	1621.13	.00	.00	1621.28	.15	2.72	.01	100000.00	
1535.0	.0	.0	1535.0	.0	.0	502.0	1440.7	829.7	100000.00	
4.86	.00	.00	3.06	.000	.000	.055	.000	1616.00	11045.37	
.006037	680.	550.	400.	3	0	0	.00	314.25	11359.62	

FLOW DISTRIBUTION FOR SECNO= 21.31 CWSEL= 1621.13

STA=	11045.	10046.	11177.	11184.	11185.	11225.	11338.	11352.	11354.	11357.	11360.
PER Q=	.0	34.2	5.3	1.6	28.5	29.7	.7	.1	.1	.0	
AREA=	.0	193.7	18.5	5.5	107.7	166.6	7.8	.9	.9	.3	
VEL=	.0	2.7	4.4	4.4	4.1	2.7	1.4	1.2	1.0	.5	
DEPTH=	.0	.2	3.0	3.0	2.7	1.5	.5	.4	.3	.1	

1490 NH CARD USED
*SECNO 21.405

3470 ENCROACHMENT STATIONS= 10965.2 11541.5 TYPE= 1 TARGET= 576.300

21.405	3.30	1623.50	.00	.00	1623.69	.19	2.40	.01	100000.00	
1535.0	.0	.0	1535.0	.0	.0	438.7	1444.8	832.5	100000.00	
4.89	.00	.00	3.50	.000	.000	.055	.000	1620.20	11121.60	
.006629	700.	505.	380.	3	0	0	.00	311.49	11433.09	

FLOW DISTRIBUTION FOR SECNO= 21.41 CWSEL= 1623.50

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

STA=	11122.	10032.	11134.	11186.	11221.	11228.	11241.	11339.	11344.	11355.	11403.	11418.	11430.
PER Q=	.0	.1	11.6	27.0	7.0	13.1	39.4	.3	.7	.7	.1	.1	
AREA=	.0	1.8	68.0	95.8	22.1	42.6	182.3	2.9	6.9	12.1	1.6	2.4	
VEL=	.0	.6	2.6	4.3	4.8	4.7	3.3	1.7	1.6	.9	.5	.8	
DEPTH=	.0	.0	1.3	2.8	3.3	3.2	1.9	.7	.6	.3	.1	.2	

STA=	11430.	11433.
PER Q=	.0	
AREA=	.3	
VEL=	.5	
DEPTH=	.1	

1490 NH CARD USED
*SECNO 21.512

3470 ENCROACHMENT STATIONS= 10890.0 11456.7 TYPE= 1 TARGET= 566.700

21.512	4.55	1629.25	.00	.00	1629.47	.22	5.77	.01	100000.00
1535.0	.0	.0	1535.0	.0	.0	408.7	1451.4	837.2	100000.00
4.94	.00	.00	3.76	.000	.000	.055	.000	1624.70	11111.56
.011634	510.	565.	670.	5	0	0	.00	299.12	11410.68

FLOW DISTRIBUTION FOR SECNO= 21.51 CWSEL= 1629.25

STA=	11112.	10056.	11176.	11222.	11245.	11334.	11362.	11391.	11411.
PER Q=	.0	13.9	20.1	9.6	32.8	14.1	8.4	1.1	
AREA=	.0	67.6	76.0	36.4	132.7	50.2	37.2	8.7	
VEL=	.0	3.2	4.1	4.1	3.8	4.3	3.5	1.9	
DEPTH=	.0	.1	1.6	1.6	1.5	1.8	1.3	.4	

1490 NH CARD USED
*SECNO 21.578

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.21

3470 ENCROACHMENT STATIONS= 10802.4 11476.6 TYPE= 1 TARGET= 674.199

21.578	3.68	1630.18	.00	.00	1630.25	.07	.77	.01	100000.00
1535.0	.0	.0	1535.0	.0	.0	710.2	1453.5	838.6	100000.00
4.96	.00	.00	2.16	.000	.000	.055	.000	1626.50	10931.03
.002392	380.	350.	170.	4	0	0	.00	445.58	11446.09

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

FLOW DISTRIBUTION FOR SECNO= 21.58 CWSEL= 1630.18

STA=	10931.	10012.	11056.	11120.	11199.	11237.	11254.	11316.	11367.	11414.	11446.
PER Q=	.0	5.9	15.0	5.4	21.5	8.7	28.2	11.5	3.2	.5	
AREA=	.0	85.7	116.1	29.7	118.1	49.6	167.8	91.1	41.1	10.9	
VEL=	.0	1.0	2.0	2.8	2.8	2.7	2.6	1.9	1.2	.7	
DEPTH=	.0	.1	1.8	.4	3.1	2.9	2.7	1.8	.9	.3	

1490 NH CARD USED
#SECNO 21.642

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .40

3470 ENCROACHMENT STATIONS= 10706.3 11381.0 TYPE= 1 TARGET= 674.700

21.642	3.90	1632.80	.00	.00	1632.99	.20	2.70	.04	100000.00
1535.0	.0	.0	1535.0	.0	.0	433.1	1460.8	844.3	100000.00
5.00	.00	.00	3.54	.000	.000	.055	.000	1628.90	10894.53
.014798	285.	340.	555.	2	0	0	.00	450.04	11344.57

FLOW DISTRIBUTION FOR SECNO= 21.64 CWSEL= 1632.80

STA=	10895.	10039.	10930.	10956.	10980.	10990.	11002.	11048.	11096.	11186.	11192.	11308.	11345.
PER Q=	.0	1.3	5.1	8.7	4.1	5.4	19.4	18.1	20.9	1.4	15.3	.3	
AREA=	.0	12.3	24.7	33.5	14.3	18.7	69.1	67.6	94.3	6.4	86.8	5.4	
VEL=	.0	1.6	3.2	4.0	4.4	4.4	4.3	4.1	3.4	3.3	2.7	.9	
DEPTH=	.0	.0	.9	1.3	1.5	1.5	1.5	1.4	1.0	1.0	.7	.1	

1490 NH CARD USED
#SECNO 21.717

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.83

3470 ENCROACHMENT STATIONS= 10794.6 11580.0 TYPE= 1 TARGET= 785.400

21.717	4.10	1636.80	.00	.00	1636.91	.11	3.91	.01	100000.00
1535.0	.0	.0	1535.0	.0	.0	582.6	1467.0	849.9	100000.00
5.06	.00	.00	2.63	.000	.000	.055	.000	1632.70	11055.95
.004410	340.	395.	530.	5	0	0	.00	468.89	11524.84

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

FLOW DISTRIBUTION FOR SECNO= 21.72 CWSEL= 1636.80

STA=	11056.	10137.	11114.	11128.	11148.	11166.	11208.	11214.	11251.	11260.	11268.	11318.	11346.
PER Q=	.0	5.9	4.7	6.4	5.0	18.3	4.2	20.1	3.8	3.2	18.9	5.8	
AREA=	.0	51.2	26.3	36.4	30.3	92.3	18.2	93.0	19.4	16.6	101.4	39.3	
VEL=	.0	1.8	2.8	2.7	2.5	3.0	3.6	3.3	3.0	3.0	2.9	2.3	
DEPTH=	.0	.1	1.9	1.9	1.7	2.2	2.8	2.5	2.2	2.2	2.0	1.4	

STA=	11346.	11506.	11525.
PER Q=	3.5	.2	
AREA=	54.3	3.8	
VEL=	1.0	.6	
DEPTH=	.3	.2	

1490 NH CARD USED
*SECNO 21.776

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .48

3470 ENCROACHMENT STATIONS= 10794.6 11626.0 TYPE= 1 TARGET= 831.400

21.776	5.71	1640.31	.00	.00	1640.58	.27	3.62	.05	100000.00
1535.0	.0	.0	1535.0	.0	.0	368.9	1471.9	854.5	100000.00
5.09	.00	.00	4.16	.000	.000	.055	.000	1634.60	11065.62
.019115	260.	310.	450.	2	0	0	.00	419.19	11568.02

FLOW DISTRIBUTION FOR SECNO= 21.78 CWSEL= 1640.31

STA=	11066.	10231.	11224.	11264.	11274.	11323.	11333.	11413.	11504.	11568.
PER Q=	.0	3.1	15.2	5.1	25.1	7.0	32.8	10.2	1.7	
AREA=	.0	22.8	52.1	15.7	76.2	19.1	109.1	57.2	16.7	
VEL=	.0	2.1	4.5	5.0	5.1	5.6	4.6	2.7	1.5	
DEPTH=	.0	.0	1.3	1.5	1.6	1.8	1.4	.6	.3	

1490 NH CARD USED
*SECNO 21.885

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

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.07

3470 ENCROACHMENT STATIONS= 10918.7 11739.7 TYPE= 1 TARGET= 821.000

21.885	6.43	1643.73	.00	.00	1643.84	.10	3.24	.02	100000.00
1535.0	.0	.0	1535.0	.0	.0	595.4	1476.3	858.3	100000.00
5.13	.00	.00	2.58	.000	.000	.055	.000	1637.30	11176.58
.004441	575.	575.	400.	4	0	0	.00	403.26	11708.07

FLOW DISTRIBUTION FOR SECNO= 21.89 CWSEL= 1643.73

STA=	11177.	10444.	11162.	11189.	11323.	11354.	11374.	11604.	11708.
PER Q=	.0	.0	.0	.1	6.4	10.5	76.8	6.2	
AREA=	.0	.6	.7	1.3	43.2	49.7	430.8	69.1	
VEL=	.0	.4	.4	.6	2.3	3.2	2.7	1.4	
DEPTH=	.0	.0	.1	.0	1.4	2.4	1.9	.7	

1490 NH CARD USED
*SECNO 21.954

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .48

3470 ENCROACHMENT STATIONS= 11072.4 11920.0 TYPE= 1 TARGET= 847.600

21.954	4.42	1645.92	.00	.00	1646.13	.21	2.26	.03	100000.00
1535.0	.0	.0	1535.0	.0	.0	413.5	1479.6	861.0	100000.00
5.15	.00	.00	3.71	.000	.000	.055	.000	1641.50	11316.24
.019077	390.	365.	280.	3	0	0	.00	454.77	11771.01

FLOW DISTRIBUTION FOR SECNO= 21.95 CWSEL= 1645.92

STA=	11316.	10583.	11385.	11385.	11386.	11386.	11583.	11771.
PER Q=	.0	2.3	.1	.0	.1	62.0	35.5	
AREA=	.0	21.1	.3	.2	.3	230.1	161.5	
VEL=	.0	1.7	2.7	2.7	2.7	4.1	3.4	
DEPTH=	.0	.0	.6	.6	.6	1.2	.9	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 22.043

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.05

3470 ENCROACHMENT STATIONS= 10786.3 11680.1 TYPE= 1 TARGET= 893.800

22.043	4.53	1649.83	.00	.00	1649.91	.08	3.77	.01	100000.00
1535.0	.0	.0	1535.0	.0	.0	676.8	1485.3	866.3	100000.00
5.21	.00	.00	2.27	.000	.000	.055	.000	1645.30	10886.54
.004524	465.	470.	460.	8	0	0	.00	548.97	11415.51

FLOW DISTRIBUTION FOR SECNO= 22.04 CWSEL= 1649.83

STA=	10867.	10365.	10890.	10898.	11143.	11201.	11224.	11261.	11290.	11382.	11413.
PER Q=	.0	.4	.4	35.5	19.1	8.5	13.1	9.4	13.3	.3	
AREA=	.0	7.4	4.8	276.0	107.6	45.5	71.4	53.1	103.9	7.0	
VEL=	.0	.8	1.3	2.0	2.7	2.9	2.8	2.7	2.0	.7	
DEPTH=	.0	.0	.6	1.1	1.8	2.0	1.9	1.8	1.1	.2	

1490 NH CARD USED
*SECNO 22.107

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

3470 ENCROACHMENT STATIONS= 10451.5 11249.4 TYPE= 1 TARGET= 797.900

22.107	3.87	1651.87	.00	.00	1651.96	.09	2.05	.00	100000.00
1535.0	.0	.0	1535.0	.0	.0	624.6	1490.1	871.0	100000.00
5.25	.00	.00	2.46	.000	.000	.055	.000	1648.00	10459.61
.009751	340.	340.	320.	3	0	0	.00	728.84	11198.45

FLOW DISTRIBUTION FOR SECNO= 22.11 CWSEL= 1651.87

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

STA=	10460.	10217.	10471.	10475.	10498.	10541.	10737.	10786.	10816.	11066.	11102.	11151.	11179.
PER Q=	.0	.2	.3	2.1	4.9	27.3	7.4	5.1	41.7	5.0	4.4	1.4	
AREA=	.0	3.2	2.6	15.9	33.3	171.3	45.1	29.9	244.0	31.6	32.8	13.2	
VEL=	.0	1.2	2.0	2.1	2.3	2.4	2.5	2.6	2.6	2.4	2.1	1.6	
DEPTH=	.0	.0	.6	.7	.8	.9	.9	1.0	1.0	.9	.7	.5	

STA=	11179.	11188.
PER Q=	.1	
AREA=	1.8	
VEL=	.9	
DEPTH=	.2	

1490 NH CARD USED
*SECNO 22.179

3470 ENCROACHMENT STATIONS= 10232.4 11151.6 TYPE= 1 TARGET= 919.199
BREAKOUT FROM DAGGS WASH MAIN CHANNEL BEGINS UPSTREAM OF THIS SECTION.
THIS SECTION MODELS WEST WASH BREAKOUT AT TOYOTA PROVING GRDS.BDY.
MANNING'S N VALUE HAS BEEN RAISED TO .09 TO MODEL CHAIN LINK FENCE
WHICH RUNS ALONG THIS SECTION AS PART OF T.P.G.BDY.
MANNING'S N VALUE LOWERED TO .055 FOR SECTIONS 22.275,22.464 AND 22.560,
AND AGAIN RAISED AT SEC. 22.560 AT UPSTREAM T.P.G. FENCE/BDY.

22.179	3.13	1653.83	.00	.00	1653.90	.07	1.93	.00	100000.00
1535.0	.0	.0	1535.0	.0	.0	718.8	1492.9	873.9	100000.00
5.27	.00	.00	2.14	.000	.000	.089	.000	1650.70	10399.15
.011894	345.	380.	180.	3	0	0	.00	677.98	11077.13

FLOW DISTRIBUTION FOR SECNO= 22.18 CWSEL= 1653.83

STA=	10399.	10032.	10556.	10725.	10820.	10838.	10854.	10992.	11023.	11060.	11077.
PER Q=	.0	5.1	15.3	17.5	5.2	5.0	38.4	7.8	5.3	.4	
AREA=	.0	62.7	143.3	124.4	30.8	29.0	232.0	49.0	41.6	6.2	
VEL=	.0	1.3	1.6	2.2	2.6	2.6	2.5	2.4	2.0	.9	
DEPTH=	.0	.1	.8	1.3	1.7	1.8	1.7	1.6	1.1	.4	

1490 NH CARD USED
*SECNO 22.275

3470 ENCROACHMENT STATIONS= 10657.7 11066.0 TYPE= 1 TARGET= 408.300
DISCHARGE REDUCED TO 920CFS.

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
22.275	3.66	1657.36	.00	.00	1657.43	.07	3.53	.00	100000.00
920.0	.0	.0	920.0	.0	.0	421.5	1499.8	879.8	100000.00
5.34	.00	.00	2.18	.000	.000	.055	.000	1653.70	10657.70
.003310	500.	505.	530.	5	0	0	.00	288.18	10945.88

FLOW DISTRIBUTION FOR SECNO= 22.27 CWSEL= 1657.36

STA=	10658.	10023.	10707.	10737.	10751.	10768.	10821.	10828.	10874.	10901.	10927.	10946.
PER Q=	.0	4.2	7.6	7.1	8.6	27.9	3.6	25.1	9.8	5.8	.5	
AREA=	.0	32.7	38.3	27.0	32.4	105.2	13.5	93.0	42.0	31.1	6.2	
VEL=	.0	1.2	1.8	2.4	2.4	2.4	2.4	2.5	2.1	1.7	.7	
DEPTH=	.0	.0	1.3	1.9	2.0	2.0	2.0	2.0	1.6	1.2	.3	

1490 NH CARD USED
*SECNO 22.370

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .12

3470 ENCROACHMENT STATIONS= 10740.1 10952.6 TYPE= 1 TARGET= 212.500
DISCHARGE REDUCED TO 370CFS.

22.370	3.02	1659.72	.00	.00	1660.06	.34	2.54	.08	100000.00
370.0	.0	.0	370.0	.0	.0	78.7	1502.7	882.0	100000.00
5.37	.00	.00	4.70	.000	.000	.055	.000	1656.70	10740.10
.037520	540.	500.	490.	3	0	0	.00	106.95	10847.05

FLOW DISTRIBUTION FOR SECNO= 22.37 CWSEL= 1659.72

STA=	10740.	10011.	10774.	10784.	10785.	10798.	10800.	10801.	10802.	10839.	10847.
PER Q=	.0	44.5	18.7	1.6	20.5	.9	.2	.4	12.3	.8	
AREA=	.0	33.0	11.9	.8	13.9	1.0	.3	.5	15.6	1.7	
VEL=	.0	5.0	5.8	7.3	5.5	3.2	2.9	2.9	2.9	1.8	
DEPTH=	.0	.0	1.2	1.7	1.1	.5	.4	.4	.4	.2	

1490 NH CARD USED
*SECNO 22.464

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.00

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

3470 ENCROACHMENT STATIONS= 10683.9 11036.0 TYPE= 1 TARGET= 352.100
DISCHARGE REDUCED TO 300CFS.

22.464	3.83	1663.13	.00	.00	1663.17	.04	3.08	.03	100000.00
300.0	.0	.0	300.0	.0	.0	190.3	1503.9	883.4	100000.00
5.44	.00	.00	1.58	.000	.000	.055	.000	1659.30	10715.74
.002745	500.	495.	400.	7	0	0	.00	190.61	10906.36

FLOW DISTRIBUTION FOR SECNO= 22.46 CWSEL= 1663.13

STA=	10716.	10031.	10718.	10745.	10763.	10782.	10796.	10815.	10906.
PER Q=	.0	.0	5.2	11.8	19.8	18.6	19.7	24.8	
AREA=	.0	.2	15.8	21.8	30.3	26.4	30.2	65.7	
VEL=	.0	.2	1.0	1.6	2.0	2.1	2.0	1.1	
DEPTH=	.0	.0	.6	1.2	1.6	1.8	1.6	.7	

1490 NH CARD USED
*SECNO 22.560

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .26

3470 ENCROACHMENT STATIONS= 10631.2 10850.4 TYPE= 1 TARGET= 219.200
DISCHARGE REDUCED TO 250CFS. THIS IS UPSTREAM LIMIT OF WEST WASH
BREAKOUT ANALYSIS.
MANNING'S N VALUE AGAIN RAISED AT THIS SECTION TO MODEL CHAIN LINK
FENCE FORMING T.P.G. BDY. JUST UPSTREAM AND PARRALEL TO THIS SECTION.

22.560	3.40	1665.60	.00	.00	1665.68	.08	2.50	.01	100000.00
250.0	.0	.0	250.0	.0	.0	110.7	1505.4	885.2	100000.00
5.49	.00	.00	2.26	.000	.000	.090	.000	1662.20	10631.20
.028338	500.	505.	430.	5	0	0	.00	170.25	10801.45

FLOW DISTRIBUTION FOR SECNO= 22.56 CWSEL= 1665.60

STA=	10631.	10020.	10684.	10708.	10716.	10775.	10795.	10796.	10801.
PER Q=	.0	12.7	4.7	6.0	55.5	18.5	1.1	1.5	
AREA=	.0	21.2	8.4	6.2	53.5	17.8	1.1	2.3	
VEL=	.0	1.5	1.4	2.4	2.6	2.6	2.6	1.6	
DEPTH=	.0	.0	.4	.8	.9	.9	.9	.5	

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

1490 NH CARD USED
*SECNO -10.890
START TRIB COMP
-10.890 10.890 1608.606
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

-10.890	5.61	1608.61	.00	.00	1608.75	.14	.00	.00	1607.10
3120.0	398.5	981.0	1740.6	216.8	221.9	816.2	1514.2	892.2	1607.60
5.55	1.84	4.42	2.13	.055	.058	.055	.000	1603.00	9780.02
.004078	550.	550.	570.	0	0	0	.00	909.36	10716.28

FLOW DISTRIBUTION FOR SECNO= -10.89 CWSEL= 1608.61

STA=	9780.	9891.	9952.	9983.	10031.	10092.	10121.	10171.	10261.	10331.	10353.	10422.	10468.
PER Q=	6.6	3.3	2.9	31.4	3.2	3.2	6.5	4.2	3.9	3.2	6.2	4.0	
AREA=	114.1	60.4	42.3	221.9	58.8	43.3	84.2	79.8	70.5	38.8	92.2	60.2	
VEL=	1.8	1.7	2.1	4.4	1.7	2.3	2.4	1.6	1.7	2.6	2.1	2.1	
DEPTH=	1.0	1.0	1.4	4.7	1.0	1.5	1.7	.9	1.0	1.7	1.3	1.3	

STA=	10468.	10500.	10529.	10566.	10578.	10624.	10716.
PER Q=	3.9	4.2	3.4	3.8	4.1	2.0	
AREA=	51.1	51.9	50.2	34.8	59.8	40.5	
VEL=	2.4	2.5	2.1	3.4	2.1	1.5	
DEPTH=	1.6	1.8	1.4	2.8	1.3	.4	

1490 NH CARD USED
*SECNO 30.996

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

3470 ENCROACHMENT STATIONS= 9652.6 9881.8 TYPE= 1 TARGET= 229.200
REPEAT COMMON SECTION 10.89 FOR TRIBUTARY ANALYSIS OF EAST SPLIT FLOW.
THIS SPLIT FLOW WAS CONSIDERED TO START UPSTREAM AT MAIN CHANNEL SECTION
NO. 11.512, WHERE THE LEFT OVERBANK DISCHARGE OF 829CFS.
SEPARATES TO A DEFINED WASH WHICH REJOINS THE MAIN DAGGS WASH CHANNEL
AT SECTION 10.89.
SECTION 30.996 IS MAIN CHANNEL SECTION NO.10.996 REPEATED WITH 20
ADDED TO THE I.D. NUMBER TO DIFFERENTIATE THE EAST SPLIT FLOW ANALYSIS.

UPSTREAM SECTION I.D. NOS. ARE REPEATED WITH 20 ADDED TO I.D. TO
UPPER LIMIT OF THIS SPLIT FLOW ANALYSIS AT SECTION 31.512.(A.K.A.,SECT-
ION I.D.11.512 OF MAIN CHANNEL).
ENCROACHMENTS ADDED TO RESTRICT FLOW TO THE EAST SPLIT FLOW WASH.

30.996	4.86	1610.26	.00	.00	1610.49	.23	1.71	.03	100000.00
829.0	829.0	.0	.0	214.9	.0	.0	1523.6	898.6	100000.00
5.59	3.86	.00	.00	.033	.000	.000	.000	1605.40	9765.97
.001374	560.	555.	555.	2	0	0	.00	101.13	9867.11

FLOW DISTRIBUTION FOR SECNO= 31.00 CWSEL= 1610.26

STA=	9766.	9770.	9772.	9775.	9803.	9808.	9819.	9867.	10036.
PER Q=	.3	.8	7.2	83.4	4.0	3.2	1.2	.0	
AREA=	4.0	6.5	11.5	127.8	20.9	25.9	18.2	.0	
VEL=	.6	1.0	5.2	5.4	1.6	1.0	.5	.0	
DEPTH=	1.0	3.1	4.3	4.6	4.3	2.2	.4	.0	

1490 NH CARD USED
*SECNO 31.101

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9549.3 9768.8 TYPE= 1 TARGET= 219.500

31.101	4.39	1612.39	1612.39	.00	1613.85	1.46	2.17	.37	100000.00
829.0	829.0	.0	.0	85.4	.0	.0	1526.1	899.7	100000.00
5.61	9.71	.00	.00	.034	.000	.000	.000	1608.00	9582.67
.010153	740.	555.	350.	20	12	0	.00	29.20	9611.87

FLOW DISTRIBUTION FOR SECNO= 31.10 CWSEL= 1612.39

STA=	9583.	9585.	9589.	9593.	9602.	9610.	9612.	10065.
PER Q=	.2	3.5	32.1	57.5	6.5	.1	.0	
AREA=	1.6	10.4	18.9	34.3	19.4	.7	.0	
VEL=	1.1	2.8	14.1	13.9	2.8	.8	.0	
DEPTH=	.6	2.7	4.3	4.2	2.3	.3	.0	

1490 NH CARD USED
*SECNO 31.205

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 = 1.61

3470 ENCROACHMENT STATIONS= 9160.0 9637.9 TYPE= 1 TARGET= 477.900

31.205	6.04	1616.34	.00	.00	1616.92	.58	2.97	.09	100000.00
829.0	829.0	.0	.0	135.8	.0	.0	1527.4	900.5	100000.00
5.63	6.10	.00	.00	.032	.000	.000	.000	1610.30	9319.61
.003900	500.	550.	555.	2	0	0	.00	103.72	9484.11

FLOW DISTRIBUTION FOR SECNO= 31.20 CWSEL= 1616.34

STA=	9320.	9382.	9418.	9421.	9425.	9430.	9435.	9484.	10096.
PER Q=	3.7	3.7	11.2	23.0	35.3	21.3	2.0	.0	
AREA=	19.0	21.2	11.6	19.2	27.9	22.7	14.1	.0	
VEL=	1.6	1.4	8.0	9.9	10.5	7.8	1.2	.0	
DEPTH=	.3	.6	4.3	5.2	5.7	4.3	.3	.0	

1490 NH CARD USED
*SECNO 31.309
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9437.1 9756.6 TYPE= 1 TARGET= 319.500

31.309	6.61	1621.71	1621.71	.00	1622.09	.38	3.16	.02	100000.00
829.0	829.0	.0	.0	168.1	.0	.0	1529.8	903.4	100000.00
5.67	4.93	.00	.00	.041	.000	.000	.000	1615.10	9447.22
.005635	680.	550.	550.	2	18	0	.00	266.46	9713.68

FLOW DISTRIBUTION FOR SECNO= 31.31 CWSEL= 1621.71

STA=	9447.	9514.	9520.	9523.	9528.	9684.	9714.	10046.
PER Q=	13.4	45.0	30.9	5.6	3.6	1.5	.0	
AREA=	52.2	29.4	20.8	17.9	36.9	10.9	.0	
VEL=	2.1	12.7	12.3	2.6	.8	1.2	.0	
DEPTH=	.8	5.7	5.5	3.7	.2	.4	.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 31.405

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9525.2 9719.3 TYPE= 1 TARGET= 194.100

31.405	5.16	1625.86	.00	.00	1626.28	.42	4.18	.01	100000.00
829.0	829.0	.0	.0	159.1	.0	.0	1532.4	906.4	100000.00
5.71	5.21	.00	.00	.041	.000	.000	.000	1620.70	9595.60
.006336	700.	505.	350.	3	0	0	.00	110.47	9716.78

FLOW DISTRIBUTION FOR SECNO= 31.41 CWSEL= 1625.86

STA=	9596.	9615.	9625.	9631.	9691.	9693.	9702.	9704.	9712.	9717.	10032.
PER Q=	3.6	7.6	5.6	7.4	10.5	49.4	9.7	5.7	.5	.0	
AREA=	14.3	18.8	13.5	35.0	8.1	38.5	7.7	19.2	4.1	.0	
VEL=	2.1	3.4	3.4	1.8	10.7	10.7	10.4	2.5	1.1	.0	
DEPTH=	.7	1.9	2.1	.6	4.1	4.0	3.9	2.7	.8	.0	

1490 NH CARD USED
*SECNO 31.512

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

3470 ENCROACHMENT STATIONS= 9562.7 9895.5 TYPE= 1 TARGET= 332.800
UPSTREAM END OF EAST SPLIT FLOW ANALYSIS, WHICH MATCHES MAIN
DAGGS WASH CHANNEL SECTION 11.512.

31.512	4.22	1628.32	.00	.00	1628.42	.10	2.11	.03	100000.00
829.0	829.0	.0	.0	322.6	.0	.0	1535.2	908.4	100000.00
5.76	2.57	.00	.00	.051	.000	.000	.000	1624.10	9576.79
.002901	510.	565.	600.	3	0	0	.00	224.31	9857.06

FLOW DISTRIBUTION FOR SECNO= 31.51 CWSEL= 1628.32

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

STA=	9577.	9633.	9638.	9643.	9649.	9675.	9685.	9689.	9697.	9726.	9830.	9836.	9841.
PER Q=	10.1	5.9	7.3	7.6	22.9	10.1	3.8	3.2	4.3	7.8	9.6	5.7	
AREA=	49.0	16.0	17.2	20.8	67.8	28.8	11.7	13.1	26.0	31.7	15.5	10.1	
VEL=	1.7	3.1	3.5	3.0	2.8	2.9	2.6	2.0	1.4	2.0	5.1	4.6	
DEPTH=	.9	3.3	3.8	3.0	2.7	2.8	2.7	1.6	.9	.3	2.4	2.1	

STA=	9841.	9857.	10056.
PER Q=	1.7	.0	
AREA=	14.7	.0	
VEL=	1.0	.0	
DEPTH=	.9	.0	

1490 NH CARD USED
*SECNO -11.950
START TRIB COMP
-11.950 11.950 1645.636
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

REPEAT MAIN CHANNEL SEC. 11.954 WHICH HAS BEEN ABBREVIATED TO ALLOW
REPEATING FOR ANALYSIS OF TRIBUTARY ON EAST SIDE OF MAIN WASH,
RECEIVES BREAKOUT WEIR FLOW FROM SECTION 12.043 TO 12.275 OF MAIN WASH.

-11.950	4.14	1645.64	.00	.00	1645.73	.09	.00	.00	1646.60
1585.0	572.7	1012.0	.3	235.8	423.9	.6	1539.5	912.6	1645.50
5.80	2.43	2.39	.45	.055	.061	.055	.000	1641.50	9656.01
.009978	390.	365.	320.	0	0	0	.00	742.62	10591.22

FLOW DISTRIBUTION FOR SECNO= -11.95 CWSEL= 1645.64

STA=	9656.	9790.	9830.	9918.	9948.	9954.	10583.	10591.
PER Q=	21.0	3.3	8.7	3.1	.1	63.8	.0	
AREA=	126.5	24.0	61.5	22.2	1.6	423.9	.6	
VEL=	2.6	2.2	2.2	2.2	1.2	2.4	.4	
DEPTH=	.9	.6	.7	.7	.3	1.0	.1	

1490 NH CARD USED
*SECNO 42.043

3470 ENCROACHMENT STATIONS= 9383.6 9974.5 TYPE= 1 TARGET= 590.900

```
     REPEAT MAIN CHANNEL SEC.NO. 12.043 AND ADD 40 TO NUMBER TO DIFFERENTIATE
     FROM OTHER SECTIONS. ENCROACHMENTS WERE ADDED TO RESTRICT FLOW TO
     LEFT SIDE (EAST SIDE) OF SECTION.
     DISCHARGE REDUCED FROM 1585CFS TO 749 CFS, WHICH WAS COMPUTED WEIR
     FLOW INTO EAST OVERBANK.
   42.043     3.56  1648.86      .00      .00  1648.91      .05     3.18      .00 100000.00
    749.0    749.0       .0       .0    428.9       .0       .0   1545.3    919.1 100000.00
     5.88     1.75      .00      .00     .055     .000     .000     .000  1645.30  9502.24
  .003653     465.     470.     350.        5        0        0      .00   472.26  9974.50


FLOW DISTRIBUTION FOR SECNO=     42.04         CWSEL=   1648.86

STA=    9502.    9542.    9565.    9571.    9586.    9619.    9627.    9634.    9642.    9656.    9853.    9968.    9974.
  PER Q=     6.3     11.2      4.2      7.2      7.9      4.4      4.4      3.4      6.5     40.6      3.7       .1
   AREA=    30.8     37.2     12.4     24.2     34.8     14.0     13.4     11.6     22.2    190.6     36.3      1.4
    VEL=     1.5      2.2      2.6      2.2      1.7      2.4      2.5      2.2      2.2      1.6       .8       .6
  DEPTH=      .8      1.6      2.0      1.6      1.1      1.7      1.9      1.6      1.6      1.0       .3       .2

STA=    9974.   10365.
  PER Q=      .0
   AREA=      .0
    VEL=      .0
  DEPTH=      .0

1490 NH CARD USED
*SECNO 42.107

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .54


3470 ENCROACHMENT STATIONS=     9211.0    9974.9  TYPE=      1  TARGET=      763.900
       DECREASE DISCHARGE TO 568, WHICH WAS COMPUTED WEIR BREAKOUT FLOW FROM
       MAIN CHANNEL UPSTREAM OF THIS SEC.
   42.107     2.47  1650.47      .00      .00  1650.54      .07     1.62      .01 100000.00
    568.0    568.0       .0       .0    261.2       .0       .0   1548.0    922.3 100000.00
     5.92     2.17      .00      .00     .055     .000     .000     .000  1648.00  9487.47
  .007217     340.     340.     330.        3        0        0      .00   357.08  9844.55


FLOW DISTRIBUTION FOR SECNO=     42.11         CWSEL=   1650.47

STA=    9487.    9506.    9514.    9517.    9524.    9526.    9536.    9607.    9745.    9845.   10217.
  PER Q=     6.0      6.6      3.2      7.5      3.6      8.7     27.3     32.1      4.9       .0
   AREA=    15.3     11.8      5.8     12.1      5.2     15.6     69.1     98.9     27.4       .0
    VEL=     2.2      3.2      3.2      3.5      4.0      3.2      2.2      1.8      1.0       .0
  DEPTH=      .8      1.6      1.6      1.9      2.3      1.6      1.0       .7       .3       .0
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 42.179

3470 ENCROACHMENT STATIONS= 9047.0 9969.5 TYPE= 1 TARGET= 922.500
DECREASE DISCHARGE TO 362CFS, WHICH WAS COMPUTED WEIR FLOW BREAKOUT
BETWEEN MAIN SEC.12.179 AND 12.275.
THIS IS UPSTREAM LIMIT OF ANALYSIS OF THIS EAST TRIBUTARY.

42.179	1.51	1652.21	.00	.00	1652.24	.02	1.69	.00	100000.00
362.0	362.0	.0	.0	292.1	.0	.0	1550.2	925.6	100000.00
6.00	1.24	.00	.00	.055	.000	.000	.000	1650.70	9351.43
.003017	345.	380.	400.	4	0	0	.00	465.06	9816.49

FLOW DISTRIBUTION FOR SECNO= 42.18 CWSEL= 1652.21

STA=	9351.	9408.	9420.	9439.	9464.	9477.	9490.	9506.	9599.	9607.	9697.	9808.	9816.
PER Q=	9.0	4.4	6.8	11.0	5.1	4.8	5.5	32.8	3.1	14.1	3.5	.1	
AREA=	30.2	11.5	17.6	26.0	12.4	12.3	14.1	85.0	7.9	50.5	23.6	.9	
VEL=	1.1	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.0	.5	.3	
DEPTH=	.5	.9	.9	1.0	1.0	.9	.9	.9	.9	.6	.2	.1	

STA=	9816.	10032.
PER Q=	.0	
AREA=	.0	
VEL=	.0	
DEPTH=	.0	

THIS RUN EXECUTED 25JUN93 09:23:46

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

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

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	.173	3041.00	1253.07	.00	3.48	.00	9973.40	10060.30	.00	.00	9508.12	10718.61	.51
	.261	3041.00	1257.14	.00	4.61	465.00	9985.20	10024.60	.00	.00	9513.11	10444.70	.55
*	.309	3041.00	1259.26	1259.26	3.65	255.00	9974.40	10036.00	.00	.00	9772.78	10480.37	.51
*	.428	3041.00	1264.79	1264.45	2.90	630.00	9969.20	10030.00	.00	.00	9436.41	10278.81	.58
*	.514	3041.00	1268.17	.00	2.45	450.00	9984.70	10030.90	.00	.00	9403.75	10255.84	.50
*	.625	3041.00	1272.57	.00	3.70	585.00	9984.40	10028.80	.00	.00	9485.11	10032.59	.50
*	.745	3041.00	1276.52	.00	2.78	635.00	9963.20	10028.80	.00	.00	9291.44	10068.08	.38
*	.825	3041.00	1280.01	.00	5.55	425.00	9916.50	10030.80	.00	.00	9415.80	10033.67	.67
*	.923	3041.00	1284.01	.00	3.32	515.00	9981.80	10050.40	.00	.00	9616.74	10281.31	.37
*	1.021	3041.00	1287.18	.00	8.16	515.00	9965.90	10018.10	.00	.00	9807.20	10127.88	.82
*	1.078	3041.00	1289.74	.00	5.50	300.00	9965.10	10029.60	.00	.00	9750.84	10197.84	.48
	1.208	3041.00	1292.65	.00	7.26	685.00	9980.00	10039.70	.00	.00	9977.35	10801.93	.83
*	1.296	3041.00	1296.13	1296.13	7.32	465.00	9955.30	10020.40	.00	.00	9761.17	10556.26	.78
	1.406	3041.00	1300.47	.00	5.18	580.00	9965.00	10072.90	8910.00	10322.00	9326.25	10235.31	.60
	1.466	3041.00	1302.31	.00	6.06	315.00	9947.10	10100.70	.00	.00	9285.28	10165.96	.63
	1.592	3041.00	1306.32	.00	5.20	665.00	9898.70	10088.40	.00	.00	8897.96	10152.32	.57
*	1.753	3041.00	1313.32	1313.05	5.20	850.00	9980.10	10044.30	.00	.00	9521.11	10248.05	.57

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	1.857	3041.00	1317.40	.00	8.35	550.00	9977.90	10022.60	.00	.00	9968.72	10412.94	.74
*	1.949	3041.00	1320.13	1320.13	7.20	485.00	9963.70	10072.10	.00	.00	9955.79	10504.83	.74
	2.088	3041.00	1325.20	.00	5.38	735.00	9927.90	10028.10	9220.00	10265.30	9390.85	10168.19	.56
	2.215	3041.00	1330.90	.00	5.80	670.00	9969.70	10033.90	9200.00	10504.00	9227.43	10252.12	.51
*	2.340	3041.00	1337.01	1337.01	7.99	660.00	9983.30	10051.60	9378.50	10216.60	9435.27	10044.44	.70
*	2.438	3277.00	1340.03	.00	6.85	520.00	9955.10	10084.90	.00	.00	9572.35	10089.44	.69
*	2.549	3277.00	1343.93	1343.93	4.92	585.00	9965.50	10017.90	9832.00	10730.00	9886.37	10444.82	.97
	2.593	3277.00	1346.87	.00	6.02	230.00	9978.30	10034.20	.00	.00	9916.26	10452.42	.72
*	2.634	3277.00	1348.85	.00	4.29	220.00	9944.80	10116.70	.00	.00	9953.45	10554.35	.67
*	2.730	3277.00	1351.88	.00	3.31	505.00	9976.60	10050.40	.00	.00	9991.03	10897.35	.33
*	2.826	3277.00	1354.20	.00	4.68	505.00	9990.30	10063.10	9950.00	10643.50	9992.01	10594.13	.57
*	2.919	3277.00	1357.09	.00	6.93	490.00	9941.90	10022.20	9717.30	10316.20	9833.77	10316.20	.65
	3.014	3277.00	1359.14	.00	5.06	500.00	9800.50	10027.40	.00	.00	9739.07	10080.90	.53
*	3.109	3277.00	1361.56	1361.54	8.53	500.00	9851.50	9977.30	9743.60	10139.80	9828.10	10096.79	.88
*	3.190	3277.00	1364.50	.00	6.99	430.00	9933.10	10006.60	9839.60	10308.50	9934.08	10088.32	.54
*	3.247	3277.00	1365.11	1365.11	12.96	315.00	9979.00	10023.20	9971.30	10028.70	9971.30	10028.70	1.04
*	3.251	3277.00	1366.28	1366.28	13.10	20.00	9976.30	10023.70	.00	.00	9976.30	10023.70	1.01
*	3.253	3277.00	1368.39	.00	8.45	13.50	9976.30	10023.70	.00	.00	9976.31	10023.70	.52
*	3.254	3277.00	1368.46	1368.46	13.15	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.256	3277.00	1371.48	1371.48	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.257	3277.00	1374.58	1374.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1377.58	1377.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1379.82	.00	7.84	2.00	9976.30	10023.70	.00	.00	9976.30	10023.70	.47
*	3.259	3277.00	1380.25	.00	6.35	.10	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
	3.262	3277.00	1380.25	.00	6.35	14.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
*	3.264	3277.00	1379.65	.00	10.89	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.76

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	3.267	3277.00	1379.67	.00	10.87	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.269	3277.00	1379.74	.00	10.73	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.75
	3.273	3277.00	1379.82	.00	10.60	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.282	3277.00	1379.96	.00	10.37	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.71
	3.284	3277.00	1380.80	.00	8.14	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.285	3277.00	1381.17	.00	6.95	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.44
	3.287	3277.00	1381.54	.00	5.49	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.34
	3.291	3277.00	1381.88	.00	3.78	22.10	9953.80	10046.20	.00	.00	9936.64	10063.36	.23
	3.299	3277.00	1381.92	.00	3.64	38.40	9955.30	10046.70	.00	.00	9929.17	10071.05	.22
*	3.302	3277.00	1382.05	.00	2.47	20.00	9933.40	10067.70	.00	.00	9900.28	10099.92	.15
*	3.306	3277.00	1382.12	.00	1.60	19.50	9901.50	10098.60	.00	.00	9836.93	10163.17	.10
*	3.328	4957.00	1382.15	.00	1.03	90.00	9975.00	10374.70	.00	.00	9396.98	10496.72	.06
	3.418	4957.00	1382.17	.00	.60	475.00	9729.00	10007.30	.00	.00	9307.99	10703.52	.04
*	3.507	4957.00	1382.21	.00	1.24	470.00	9582.90	10055.40	.00	.00	9257.06	10286.38	.10
*	3.601	4957.00	1382.53	.00	3.78	495.00	9641.50	10023.30	.00	.00	9299.15	10039.67	.49
*	3.696	4957.00	1385.59	.00	4.54	500.00	9850.80	10218.40	.00	.00	9493.98	10227.80	.53
*	3.791	4957.00	1388.91	.00	4.93	500.00	9858.20	10320.30	.00	.00	9308.63	10328.58	.66
*	3.888	4957.00	1393.22	.00	3.47	510.00	9639.30	10014.80	.00	.00	8953.63	10100.57	.41
	3.984	4957.00	1396.29	.00	4.82	505.00	9674.40	10041.80	.00	.00	9006.60	10045.99	.59
*	4.080	4957.00	1398.84	.00	4.42	505.00	9822.50	10038.30	.00	.00	9270.73	10299.57	.48
*	4.178	4957.00	1401.62	.00	5.70	515.00	9804.00	10048.90	.00	.00	9511.68	10498.83	.66
	4.273	4957.00	1405.47	.00	6.29	500.00	9918.20	10052.10	.00	.00	9909.07	10679.01	.58
	4.368	4957.00	1409.45	.00	5.98	500.00	9960.50	10027.80	.00	.00	9933.43	10824.43	.49
*	4.464	4957.00	1412.05	.00	6.51	505.00	9965.20	10040.20	.00	.00	9795.26	10865.77	.52
	4.541	4555.00	1413.74	.00	7.36	406.00	9973.10	10051.50	.00	.00	9646.26	10348.15	.63
	4.635	4555.00	1416.91	.00	7.90	495.00	9972.90	10065.00	.00	.00	9525.67	10146.57	.71

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	4.731	4555.00	1420.42	.00	5.31	505.00	9943.60	10025.30	.00	.00	9698.87	10216.36	.42
	4.827	4555.00	1423.96	.00	4.98	505.00	9959.30	10067.70	9956.00	10368.70	9965.72	10237.34	.43
	4.918	4555.00	1426.81	.00	4.94	480.00	9993.20	10075.80	9875.60	10462.60	9894.82	10446.89	.40
	5.011	4555.00	1429.42	.00	5.04	490.00	9983.60	10043.20	.00	.00	9737.98	10300.60	.41
	5.106	4555.00	1431.88	.00	6.07	500.00	9963.70	10031.10	.00	.00	9650.95	10116.81	.48
*	5.201	4555.00	1434.47	1434.47	10.10	500.00	9977.10	10037.30	9783.70	10186.00	9787.58	10092.82	.82
	5.307	4555.00	1438.37	.00	8.39	560.00	9976.80	10042.30	9745.90	10214.00	9750.39	10167.96	.66
	5.414	4555.00	1441.35	.00	9.33	565.00	9956.20	10040.00	9662.00	10269.00	9823.63	10072.91	.75
	5.518	4555.00	1445.10	.00	7.39	550.00	9974.60	10046.30	.00	.00	9922.51	10307.26	.59
	5.626	4555.00	1447.59	.00	7.99	570.00	9951.20	10024.90	9755.50	10125.00	9838.42	10081.99	.62
	5.732	4150.00	1450.76	.00	7.20	560.00	9954.60	10012.70	.00	.00	9946.00	10163.06	.56
	5.824	4150.00	1453.66	.00	4.95	485.00	9982.20	10030.10	.00	.00	9705.82	10157.72	.37
	5.934	4150.00	1456.68	.00	4.90	580.00	9979.60	10031.40	.00	.00	9457.68	10048.06	.37
*	6.033	4150.00	1460.14	.00	6.55	525.00	9977.70	10079.70	9412.30	10090.00	9510.97	10047.68	.52
	6.144	4150.00	1464.88	.00	5.46	590.00	9925.90	10010.20	9645.20	10038.00	9674.78	10027.76	.41
	6.244	4150.00	1467.79	.00	4.37	530.00	9945.00	10040.00	.00	.00	9927.11	10312.89	.36
	6.364	4150.00	1470.34	.00	5.85	635.00	9836.10	10030.50	9688.70	10298.10	9751.43	10218.82	.55
	6.480	4150.00	1472.81	.00	6.14	610.00	9847.20	10071.70	9681.80	10303.00	9819.19	10178.67	.64
*	6.585	4150.00	1475.74	1475.74	8.00	555.00	9919.40	10151.90	.00	.00	9882.47	10273.99	.95
*	6.697	4150.00	1479.84	.00	4.12	590.00	9972.80	10139.20	9581.40	10288.10	9663.39	10172.88	.42
	6.801	4150.00	1482.36	.00	7.03	550.00	9976.80	10058.80	9672.50	10246.90	9726.90	10246.27	.58
	6.908	3750.00	1485.91	1485.90	7.88	565.00	9948.70	10040.30	9719.20	10476.10	9790.78	10373.25	.72
	7.012	3750.00	1488.80	1488.52	8.05	550.00	9934.40	10033.70	9713.50	10347.90	9763.17	10327.87	.70
*	7.130	3750.00	1493.52	1492.65	7.90	625.00	10000.00	10075.10	.00	.00	9909.13	10515.95	.61
*	7.232	3750.00	1497.89	.00	4.50	540.00	9964.70	10020.50	.00	.00	9671.36	10514.12	.32
	7.337	3750.00	1500.08	.00	5.81	555.00	9986.10	10086.10	9687.00	10438.00	9746.42	10314.14	.44

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	7.448	3750.00	1502.37	.00	7.86	585.00	9972.40	10084.10	.00	.00	9938.10	10131.53	.67
	7.562	3750.00	1506.53	.00	5.80	600.00	9980.00	10050.80	.00	.00	9918.40	10299.99	.44
*	7.666	3750.00	1509.62	.00	4.53	550.00	9975.70	10046.80	9604.90	10201.00	9798.55	10176.75	.34
	7.770	3750.00	1511.84	.00	5.50	550.00	9961.80	10078.70	9885.70	10353.20	9909.60	10141.15	.41
	7.883	3750.00	1515.39	.00	5.55	595.00	9980.20	10052.70	.00	.00	9948.85	10258.33	.42
	7.988	3750.00	1518.56	.00	4.35	555.00	9936.40	10041.80	.00	.00	9854.64	10469.85	.38
*	8.092	3345.00	1522.12	.00	5.06	550.00	9977.80	10031.80	.00	.00	9796.07	10570.47	.45
	8.196	3345.00	1526.31	.00	4.98	550.00	9956.20	10015.60	9937.50	10449.20	9956.18	10430.06	.39
	8.301	3345.00	1529.38	.00	5.03	555.00	9965.50	10041.30	9905.00	10369.30	9933.93	10301.96	.38
	8.407	3345.00	1532.81	.00	4.57	560.00	9973.50	10046.90	9645.90	10369.30	9683.06	10191.59	.36
	8.524	3345.00	1536.21	.00	5.94	620.00	9971.50	10057.20	.00	.00	9605.71	10083.86	.47
	8.634	3345.00	1539.76	.00	4.98	580.00	9944.90	10046.60	.00	.00	9672.34	10052.52	.41
	8.736	3345.00	1542.55	.00	4.19	540.00	9962.60	10034.20	.00	.00	9822.52	10287.65	.32
	8.840	3345.00	1544.45	1544.25	8.55	550.00	9966.60	10038.60	.00	.00	9781.06	10129.73	.73
	8.948	3345.00	1547.33	.00	4.47	570.00	9923.80	10103.30	.00	.00	9783.23	10188.39	.41
*	9.053	3345.00	1550.36	1550.36	8.66	555.00	9967.30	10036.70	.00	.00	9946.33	10295.15	.83
	9.158	3345.00	1554.72	.00	5.71	555.00	9975.70	10026.90	.00	.00	9832.49	10477.07	.48
	9.262	2943.00	1557.48	.00	6.32	550.00	9927.40	10029.20	9871.00	10358.20	9879.42	10354.24	.60
	9.375	2943.00	1560.05	1559.89	7.06	595.00	9956.20	10056.50	9586.10	10274.60	9648.56	10247.63	.72
	9.481	2943.00	1563.79	.00	4.03	560.00	9900.90	10031.10	.00	.00	9498.81	10326.19	.39
	9.585	2943.00	1567.71	.00	3.36	550.00	9814.30	10071.60	.00	.00	9494.50	10224.02	.38
	9.691	2943.00	1571.80	.00	3.48	560.00	9945.10	10048.20	.00	.00	9520.75	10436.49	.37
*	9.765	2943.00	1573.43	.00	2.65	390.00	9958.70	10071.40	.00	.00	9687.60	10639.03	.28
	9.783	2943.00	1573.73	.00	4.83	94.80	9921.20	10020.90	.00	.00	9699.56	10647.11	.81
	9.888	2943.00	1576.72	.00	3.59	555.00	9981.70	10033.90	9724.50	10947.10	9827.14	10722.96	.42
*	9.997	2943.00	1581.20	.00	2.48	575.00	9934.70	10133.70	9839.00	10585.40	9881.30	10474.24	.42

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	10.103	2943.00	1583.92	.00	5.38	560.00	9938.70	10036.90	9636.10	10303.50	9685.41	10302.30	.56
*	10.207	2943.00	1586.71	.00	2.93	550.00	9988.20	10073.90	9332.30	10263.30	9542.58	10212.73	.34
	10.311	2943.00	1589.53	.00	3.42	550.00	9956.80	10020.10	.00	.00	9337.31	10274.36	.32
*	10.415	2943.00	1592.92	.00	5.08	550.00	9959.80	10026.20	.00	.00	9465.19	10293.88	.48
*	10.521	2943.00	1596.33	.00	3.48	560.00	9898.60	10053.60	.00	.00	9377.09	10308.75	.33
*	10.606	2943.00	1598.87	.00	3.39	450.00	9797.40	10059.30	.00	.00	9458.84	10096.27	.39
*	10.681	2943.00	1600.80	.00	4.96	395.00	9957.90	10064.70	.00	.00	9561.81	10274.93	.47
*	10.787	2943.00	1603.99	1603.96	7.47	560.00	9977.30	10040.00	.00	.00	9829.06	10340.57	.69
*	10.890	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.29	.36
*	10.996	756.00	1610.88	.00	2.84	555.00	9945.00	10036.30	9903.30	10127.30	9903.30	10058.83	.30
	11.101	756.00	1613.22	.00	2.45	555.00	9944.80	10064.60	9825.00	10064.60	9865.00	10058.13	.27
*	11.205	756.00	1617.53	1617.13	6.27	550.00	9968.50	10095.60	9639.40	10143.80	9712.57	10011.25	.74
*	11.309	756.00	1622.46	.00	3.18	550.00	9989.50	10045.90	9827.90	10045.90	9827.90	10045.42	.30
*	11.405	756.00	1625.35	.00	4.76	505.00	9971.80	10032.10	9760.60	10082.30	9973.51	10026.05	.48
*	11.512	756.00	1628.33	.00	3.29	565.00	9895.50	10055.50	9895.50	10174.00	9916.29	10050.93	.44
	11.578	1585.00	1631.07	.00	4.60	350.00	9869.10	10012.30	9544.80	10054.30	9619.91	10051.79	.76
*	11.642	1585.00	1633.51	.00	2.94	340.00	9911.30	10038.50	9419.90	10581.10	9606.95	10121.43	.31
*	11.717	1585.00	1635.80	.00	4.42	395.00	9987.00	10137.30	9435.50	10200.00	9640.96	10135.67	.61
*	11.776	1585.00	1638.30	.00	2.23	310.00	9985.90	10230.60	9507.60	10230.60	9626.23	10228.51	.35
	11.885	1585.00	1642.22	.00	2.40	575.00	9982.50	10443.50	9619.50	10769.80	9705.71	10495.32	.43
	11.950	1585.00	1645.64	.00	2.38	365.00	9973.90	10582.50	.00	.00	9655.97	10591.45	.50
	12.043	836.00	1648.74	.00	1.84	470.00	9974.50	10365.30	9974.50	10786.30	9974.50	10568.00	.31
*	12.107	1017.00	1650.94	.00	3.44	340.00	9974.90	10216.70	9974.90	10451.50	9977.12	10356.02	.64
*	12.179	1223.00	1654.16	.00	2.74	380.00	9969.50	10032.20	9969.50	10232.40	9969.50	10212.94	.33
*	12.275	2200.00	1657.05	.00	3.11	505.00	9971.30	10022.90	9761.10	10657.70	9910.84	10657.70	.36
	12.370	2750.00	1660.04	.00	5.66	500.00	9970.20	10011.30	9580.50	10740.10	9864.20	10740.10	.63

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	12.464	2820.00	1662.90	.00	3.61	495.00	9986.10	10030.70	9364.10	10683.90	9650.35	10658.63	.39
	12.560	2870.00	1665.86	.00	5.15	505.00	9964.30	10020.20	9423.10	10631.10	9632.90	10631.10	.52
	12.657	3297.00	1669.19	.00	4.92	510.00	9963.50	10011.80	9890.00	10548.10	9890.00	10489.43	.46
*	12.697	3297.00	1670.05	.00	6.67	210.00	9959.00	10000.00	.00	.00	9959.00	10561.50	.64
*	12.701	3297.00	1670.12	.00	4.23	20.00	9960.00	10000.00	.00	.00	9684.91	10577.66	.43
	12.709	3297.00	1670.17	.00	4.06	40.00	9960.00	10000.00	.00	.00	9684.91	10582.86	.41
*	12.712	3297.00	1671.02	1671.02	9.40	16.00	9958.30	10000.00	.00	.00	9958.30	10572.99	.84
	12.740	3297.00	1672.07	.00	6.27	150.00	9909.90	10057.10	9810.00	10678.80	9810.00	10578.67	.74
	-10.890	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.28	.36
*	20.996	1535.00	1612.98	1612.98	.00	555.00	9945.00	10036.30	10807.80	11072.90	10834.24	11045.59	.00
*	21.101	1535.00	1615.94	.00	.00	555.00	9944.80	10064.60	10703.80	11192.90	10752.53	11091.33	.00
	21.205	1535.00	1618.33	.00	.00	550.00	9968.50	10095.60	10705.80	11139.50	10787.09	11048.04	.00
	21.309	1535.00	1621.13	.00	.00	550.00	9989.50	10045.90	10965.20	11458.40	11045.37	11359.62	.00
	21.405	1535.00	1623.50	.00	.00	505.00	9971.80	10032.10	10965.20	11541.50	11121.60	11433.09	.00
	21.512	1535.00	1629.25	.00	.00	565.00	9895.50	10055.50	10890.00	11456.70	11111.56	11410.68	.00
*	21.578	1535.00	1630.18	.00	.00	350.00	9869.10	10012.30	10802.40	11476.60	10931.03	11446.09	.00
*	21.642	1535.00	1632.80	.00	.00	340.00	9911.30	10038.50	10706.30	11381.00	10894.53	11344.57	.00
*	21.717	1535.00	1636.80	.00	.00	395.00	9987.00	10137.30	10794.60	11580.00	11055.95	11524.84	.00
*	21.776	1535.00	1640.31	.00	.00	310.00	9986.20	10230.60	10794.60	11626.00	11065.62	11568.02	.00
*	21.885	1535.00	1643.73	.00	.00	575.00	9982.50	10443.50	10918.70	11739.70	11176.58	11708.07	.00
*	21.954	1535.00	1645.92	.00	.00	365.00	9973.90	10582.50	11072.40	11920.00	11316.24	11771.01	.00
*	22.043	1535.00	1649.83	.00	.00	470.00	9974.50	10365.30	10786.30	11680.10	10866.54	11415.51	.00
*	22.107	1535.00	1651.87	.00	.00	340.00	9974.90	10216.70	10451.50	11249.40	10459.61	11188.45	.00
	22.179	1535.00	1653.83	.00	.00	380.00	9969.50	10032.20	10232.40	11151.60	10399.15	11077.13	.00
	22.275	920.00	1657.36	.00	.00	505.00	9971.30	10022.90	10657.70	11066.00	10657.70	10945.88	.00
*	22.370	370.00	1659.72	.00	.00	500.00	9970.20	10011.30	10740.10	10952.60	10740.10	10847.05	.00

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	22.464	300.00	1663.13	.00	.00	495.00	9986.10	10030.70	10683.90	11036.00	10715.74	10906.36	.00
*	22.560	250.00	1665.60	.00	.00	505.00	9964.30	10020.20	10631.20	10850.40	10631.20	10801.45	.00
	-10.890	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.28	.36
*	30.996	829.00	1610.26	.00	.00	555.00	9945.00	10036.30	9652.60	9881.80	9765.97	9867.11	.00
*	31.101	829.00	1612.39	1612.39	.00	555.00	9944.80	10064.60	9549.30	9768.80	9582.67	9611.87	.00
*	31.205	829.00	1616.34	.00	.00	550.00	9968.50	10095.60	9160.00	9637.90	9319.61	9484.11	.00
*	31.309	829.00	1621.71	1621.71	.00	550.00	9989.50	10045.90	9437.10	9756.60	9447.22	9713.68	.00
	31.405	829.00	1625.86	.00	.00	505.00	9971.80	10032.10	9525.20	9719.30	9595.60	9716.78	.00
*	31.512	829.00	1628.32	.00	.00	565.00	9895.50	10055.50	9562.70	9895.50	9576.79	9857.06	.00
	-11.950	1585.00	1645.64	.00	2.39	365.00	9973.90	10582.50	.00	.00	9656.01	10591.22	.50
	42.043	749.00	1648.86	.00	.00	470.00	9974.50	10365.30	9383.60	9974.50	9502.24	9974.50	.00
*	42.107	568.00	1650.47	.00	.00	340.00	9974.90	10216.70	9211.00	9974.90	9487.47	9844.55	.00
	42.179	362.00	1652.21	.00	.00	380.00	9969.50	10032.20	9047.00	9969.50	9351.43	9816.49	.00

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	.173	1813.62	432.65	794.72	4.51	3.48	2.24	1254.00	1253.07	.00	1105.94	1249.30	1.27
	.261	1631.48	391.38	1018.14	4.34	4.61	2.23	1263.80	1257.14	4.07	927.55	1252.20	1.32
*	.309	2228.13	357.18	455.69	6.95	3.65	1.82	1262.00	1259.26	2.12	696.09	1254.00	1.81
*	.428	2026.53	135.29	879.18	3.47	2.90	3.26	1280.00	1264.79	5.54	838.58	1261.70	1.01
*	.514	2321.74	84.27	634.99	2.78	2.45	2.45	1276.60	1268.17	3.38	848.20	1266.00	1.01
*	.625	2747.54	285.11	8.35	3.82	3.70	2.49	1282.10	1272.57	4.40	547.48	1270.50	1.00
*	.745	2700.59	305.36	35.04	2.76	2.78	1.46	1287.70	1276.52	3.95	776.64	1274.00	1.01
*	.825	1704.18	1336.07	.74	4.05	5.55	1.25	1288.20	1280.01	3.49	515.96	1277.80	1.08
*	.923	1260.44	556.99	1223.57	2.53	3.32	2.87	1291.80	1284.01	3.99	664.58	1280.60	1.03
*	1.021	1464.33	1307.58	269.09	5.43	8.16	2.87	1295.40	1287.18	3.17	315.10	1283.70	1.29
*	1.078	744.75	1427.52	868.73	2.41	5.50	3.06	1290.00	1289.74	2.56	447.00	1285.30	1.44
	1.208	7.34	1018.86	2014.80	2.09	7.26	2.65	1301.80	1292.65	2.91	802.97	1289.30	1.98
*	1.296	512.15	1310.72	1218.13	2.81	7.32	2.73	1304.10	1296.13	3.48	795.09	1292.90	1.93
	1.406	368.56	1299.28	1373.16	2.20	5.18	4.63	1312.50	1300.47	4.33	488.43	1296.70	1.20
	1.466	121.15	2709.60	210.25	1.67	6.06	2.60	1313.80	1302.31	1.84	355.06	1298.90	1.30
	1.592	312.63	2565.66	162.70	1.47	5.20	2.45	1309.50	1306.32	4.01	827.44	1302.70	1.51
*	1.753	1416.39	855.63	768.98	3.51	5.20	3.69	1324.30	1313.32	7.01	712.20	1309.40	1.09
*	1.857	32.68	1457.40	1550.92	1.78	8.35	2.75	1326.70	1317.40	4.08	444.22	1312.80	2.31
*	1.949	1.32	2264.26	775.42	.53	7.20	1.89	1330.10	1320.13	2.73	549.04	1316.30	2.25
	2.088	911.79	1565.66	563.54	2.98	5.38	3.77	1330.80	1325.20	5.06	656.94	1321.40	1.22
	2.215	1072.52	1479.75	488.73	2.60	5.80	2.46	1333.20	1330.90	5.71	725.56	1325.10	1.60
*	2.340	1056.27	1984.72	.00	3.89	7.99	.00	1341.80	1337.01	6.11	361.29	1330.60	1.37
*	2.438	576.11	2699.39	1.50	2.74	6.85	.64	1340.80	1340.03	3.02	395.91	1336.20	1.37
*	2.549	851.61	207.11	2218.28	6.73	4.92	5.89	1350.00	1343.93	3.89	482.48	1341.90	1.02

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	2.593	163.53	725.62	2387.85	2.21	6.02	4.41	1350.00	1346.87	2.94	536.15	1343.90	1.13
*	2.634	.00	880.78	2396.21	.00	4.29	4.80	1351.80	1348.85	1.98	561.24	1345.70	1.01
*	2.730	.00	631.73	2645.27	.00	3.31	2.30	1353.00	1351.88	3.03	906.32	1347.80	1.07
*	2.826	.00	701.09	2575.91	.00	4.68	4.07	1354.90	1354.20	2.32	573.67	1349.30	1.01
*	2.919	281.21	1969.11	1026.69	2.11	6.93	2.59	1359.00	1357.09	2.89	476.05	1352.80	1.94
	3.014	10.54	3197.29	69.17	.68	5.06	1.55	1366.10	1359.14	2.05	341.83	1355.80	1.12
*	3.109	105.29	3128.46	43.24	3.36	8.53	1.26	1363.90	1361.56	2.42	263.78	1356.80	1.22
*	3.190	.00	2596.94	680.05	.00	6.99	4.31	1365.60	1364.50	2.94	154.23	1355.90	1.11
*	3.247	323.63	2741.47	211.90	10.10	12.96	8.42	1371.60	1365.11	.61	57.40	1360.00	1.04
*	3.251	.00	3277.00	.00	.00	13.10	.00	1367.00	1366.28	1.16	47.40	1361.00	1.00
*	3.253	.00	3277.00	.00	.00	8.45	.00	1369.40	1368.39	2.11	47.39	1358.40	1.00
*	3.254	.00	3277.00	.00	.00	13.15	.00	1372.40	1368.46	.08	47.36	1361.40	1.00
*	3.256	.00	3277.00	.00	.00	13.12	.00	1375.40	1371.48	3.01	47.36	1364.40	1.00
*	3.257	.00	3277.00	.00	.00	13.12	.00	1378.50	1374.58	3.10	47.36	1367.50	1.00
*	3.259	.00	3277.00	.00	.00	13.12	.00	1381.50	1377.58	3.00	47.36	1370.50	1.00
*	3.259	.00	3277.00	.00	.00	7.84	.00	1380.30	1379.82	2.25	47.40	1371.00	1.00
*	3.259	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.43	47.40	1369.37	1.00
	3.262	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.00	47.40	1369.37	1.00
*	3.264	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.65	-.60	47.40	1373.30	1.00
	3.267	.00	3277.00	.00	.00	10.87	.00	1380.30	1379.67	.02	47.40	1373.30	1.00
	3.269	.00	3277.00	.00	.00	10.73	.00	1380.30	1379.74	.07	47.40	1373.30	1.00
	3.273	.00	3277.00	.00	.00	10.60	.00	1380.30	1379.82	.08	47.40	1373.30	1.00
	3.282	.00	3277.00	.00	.00	10.37	.00	1380.30	1379.96	.14	47.40	1373.30	1.00
	3.284	.00	3277.00	.00	.00	8.14	.00	1380.70	1380.80	.84	53.70	1373.30	1.00
	3.285	.00	3277.00	.00	.00	6.95	.00	1381.10	1381.17	.36	59.90	1373.30	1.00
	3.287	.00	3277.00	.00	.00	5.49	.00	1381.80	1381.54	.37	72.40	1373.30	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	3.291	139.55	2997.90	139.55	1.90	3.78	1.90	1383.00	1381.88	.34	126.72	1373.30	1.10
	3.299	213.63	2865.26	198.12	1.90	3.64	1.89	1383.00	1381.92	.04	141.88	1373.30	1.13
*	3.302	189.05	2904.28	183.67	1.30	2.47	1.30	1383.00	1382.05	.13	199.63	1373.30	1.11
*	3.306	244.98	2787.03	244.98	.86	1.60	.86	1383.00	1382.12	.07	326.24	1373.30	1.14
*	3.328	860.62	3804.28	292.10	.42	1.03	.48	1386.50	1382.15	.03	1099.74	1371.10	1.40
	3.418	1707.29	1341.21	1908.50	.61	.60	.51	1384.00	1382.17	.02	1395.52	1373.30	1.02
*	3.507	958.20	2795.67	1203.13	1.08	1.24	1.20	1384.20	1382.21	.03	1029.33	1376.40	1.01
*	3.601	2167.30	2718.87	70.83	3.95	3.78	3.15	1388.90	1382.53	.32	740.52	1379.80	1.00
*	3.696	1042.94	3882.52	31.54	2.21	4.54	2.41	1391.80	1385.59	3.06	733.82	1382.40	1.26
*	3.791	1045.48	3891.69	19.83	2.96	4.93	2.82	1395.90	1388.91	3.33	985.05	1386.10	1.13
*	3.888	1279.20	2944.38	733.42	2.06	3.47	3.93	1398.90	1393.22	4.30	1146.94	1389.10	1.18
	3.984	1243.83	3703.15	10.02	2.28	4.82	2.30	1402.00	1396.29	3.07	1039.39	1392.30	1.32
*	4.080	1379.41	2495.43	1082.16	1.99	4.42	2.51	1401.10	1398.84	2.55	1028.84	1393.90	1.43
*	4.178	354.99	3284.91	1317.10	2.09	5.70	2.93	1406.00	1401.62	2.78	983.50	1396.80	1.40
	4.273	4.69	3043.01	1909.29	1.31	6.29	2.63	1409.70	1405.47	3.85	757.40	1400.00	1.61
	4.368	146.24	1861.99	2948.77	3.75	5.98	3.44	1412.00	1409.45	3.98	884.39	1403.30	1.24
*	4.464	556.90	2364.49	2035.61	2.57	6.51	2.14	1415.70	1412.05	2.60	1067.99	1406.10	2.18
	4.541	1342.98	2411.33	800.69	2.99	7.36	2.50	1416.00	1413.74	1.69	701.89	1408.30	1.88
	4.635	940.11	2799.23	815.65	2.60	7.90	3.96	1421.60	1416.91	3.17	522.46	1411.20	1.74
	4.731	585.84	2153.00	1816.16	2.21	5.31	3.90	1424.30	1420.42	3.51	517.49	1414.40	1.25
	4.827	.00	2115.28	2439.72	.00	4.98	5.37	1426.70	1423.96	3.54	271.62	1418.50	1.00
	4.918	747.82	1931.86	1875.31	3.31	4.94	3.83	1432.10	1426.81	2.84	413.06	1420.60	1.07
	5.011	1802.55	1445.59	1306.86	3.69	5.04	3.45	1431.90	1429.42	2.62	562.62	1423.30	1.08
	5.106	2136.69	2027.50	390.81	3.26	6.07	2.60	1436.00	1431.88	2.46	465.87	1425.80	1.38
*	5.201	1298.95	2849.21	406.84	3.84	10.10	4.12	1443.10	1434.47	2.59	305.24	1428.40	1.74
	5.307	1353.27	2759.70	442.03	3.43	8.39	2.55	1444.50	1438.37	3.91	417.58	1431.60	1.81

	SECND	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	5.414	731.27	3718.09	105.64	3.37	9.33	2.81	1450.40	1441.35	2.97	249.28	1435.60	1.50
	5.518	660.93	2608.13	1285.93	4.26	7.39	2.88	1449.00	1445.10	3.76	384.75	1438.60	1.59
	5.626	1003.81	3043.43	507.76	3.62	7.99	3.50	1455.70	1447.59	2.49	243.57	1441.10	1.46
	5.732	18.19	2169.26	1962.54	2.31	7.20	4.38	1456.90	1450.76	3.17	217.06	1444.70	1.21
	5.824	1842.33	1329.40	978.27	3.51	4.95	3.39	1460.60	1453.66	2.90	419.49	1447.20	1.09
	5.934	2745.11	1347.26	57.63	3.05	4.90	2.67	1460.70	1456.68	3.02	590.37	1450.00	1.17
*	6.033	1870.19	2279.81	.00	4.11	6.55	.00	1468.60	1460.14	3.46	488.34	1453.10	1.17
	6.144	1365.53	2532.09	252.38	3.67	5.46	4.50	1468.60	1464.88	4.74	352.99	1457.20	1.10
	6.244	27.41	1945.67	2176.92	1.71	4.37	3.52	1470.00	1467.79	2.91	385.77	1461.20	1.05
	6.364	57.07	3942.52	150.41	1.35	5.85	1.54	1472.30	1470.34	2.55	467.39	1465.60	1.25
	6.490	3.32	3915.58	231.10	.58	6.14	1.89	1479.20	1472.81	2.47	359.47	1468.90	1.22
*	6.585	.61	4097.19	52.20	.51	8.00	1.50	1480.40	1475.74	2.93	353.77	1472.50	1.10
*	6.697	2058.35	2087.20	4.45	3.08	4.12	.60	1485.10	1479.84	4.10	509.49	1475.60	1.07
	6.801	794.60	2591.24	764.15	2.68	7.03	2.91	1488.00	1482.36	2.52	519.37	1477.20	1.69
	6.908	192.29	2716.56	841.15	2.14	7.88	2.48	1492.00	1485.91	3.55	550.84	1481.30	1.98
	7.012	277.97	3262.33	209.70	2.02	8.05	1.90	1492.00	1488.80	2.89	408.53	1483.80	1.73
*	7.130	289.21	3107.93	352.86	4.04	7.90	3.22	1499.40	1493.52	4.72	359.40	1486.70	1.27
*	7.232	954.93	1545.94	1249.13	2.40	4.50	2.23	1500.10	1497.89	4.37	842.76	1489.80	1.38
	7.337	254.50	3218.01	277.49	1.84	5.81	1.80	1502.60	1500.08	2.20	504.02	1492.70	1.50
	7.448	5.98	3699.01	45.01	.74	7.86	1.42	1507.40	1502.37	2.28	193.43	1496.70	1.13
	7.562	225.92	2166.42	1357.65	3.00	5.80	3.71	1509.60	1506.53	4.17	374.69	1499.30	1.18
*	7.666	1501.37	1821.94	426.69	3.46	4.53	2.26	1514.70	1509.62	3.09	378.20	1502.40	1.15
	7.770	84.68	3594.10	71.22	1.84	5.50	1.68	1514.00	1511.84	2.22	231.55	1504.90	1.14
	7.883	221.04	2215.28	1313.68	3.90	5.55	3.91	1520.00	1515.39	3.54	309.47	1508.70	1.09
	7.988	498.68	1845.02	1406.30	3.10	4.35	3.55	1521.00	1518.56	3.17	455.71	1513.30	1.05
*	8.092	698.88	1068.01	1578.11	3.22	5.06	6.50	1523.10	1522.12	3.57	462.12	1516.70	1.22

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	8.196	.00	1509.12	1835.88	.00	4.98	3.28	1531.20	1526.31	4.19	436.34	1519.30	1.14
	8.301	147.76	2042.63	1154.61	3.01	5.03	3.03	1535.40	1529.38	3.07	368.03	1522.00	1.19
	8.407	1253.58	1640.94	450.48	2.91	4.57	2.60	1537.00	1532.81	3.43	508.53	1526.20	1.19
	8.524	730.66	2540.06	74.27	2.09	5.94	2.53	1538.30	1536.21	3.40	478.15	1529.80	1.62
	8.634	1017.76	2321.54	5.70	2.72	4.98	1.52	1543.50	1539.76	3.55	380.18	1532.70	1.24
	8.736	673.65	1633.32	1038.03	2.66	4.19	2.55	1544.70	1542.55	2.79	465.13	1535.50	1.19
	8.840	367.70	2638.88	338.42	2.21	8.55	2.48	1547.60	1544.45	1.90	324.98	1538.70	1.96
	8.948	200.60	2902.59	241.81	1.63	4.47	2.16	1549.30	1547.33	2.88	405.15	1542.70	1.25
*	9.053	18.59	2029.47	1296.94	1.70	8.66	3.20	1554.20	1550.36	3.03	348.82	1546.40	1.87
	9.158	1105.60	1309.03	930.37	4.26	5.71	2.25	1558.00	1554.72	4.36	644.58	1549.30	1.47
	9.262	41.97	2230.51	670.52	1.36	6.32	2.54	1561.90	1557.48	2.76	465.80	1552.70	1.54
	9.375	115.12	2108.03	719.85	1.25	7.06	3.93	1563.20	1560.05	2.57	543.54	1556.00	1.51
	9.481	468.06	1721.01	753.93	3.08	4.03	2.55	1568.70	1563.79	3.74	590.88	1558.00	1.12
	9.585	345.72	2122.87	474.41	2.28	3.36	2.81	1570.70	1567.71	3.92	627.03	1562.00	1.05
	9.691	461.59	1000.84	1480.58	1.79	3.48	3.15	1577.80	1571.80	4.09	817.99	1566.70	1.14
*	9.765	98.75	808.32	2035.93	1.07	2.65	2.20	1580.00	1573.43	1.64	888.80	1569.00	1.07
	9.783	37.98	524.85	2380.17	.95	4.83	2.62	1580.00	1573.73	.30	773.42	1571.70	1.25
	9.888	36.47	426.15	2480.38	1.14	3.59	2.89	1581.30	1576.72	2.99	737.64	1573.20	1.05
*	9.997	10.98	542.81	2389.21	1.39	2.48	4.47	1582.80	1581.20	4.48	519.21	1576.00	1.16
*	10.103	548.00	1486.79	908.20	2.03	5.38	2.41	1586.00	1583.92	2.72	616.89	1579.30	1.69
*	10.207	1647.80	595.35	699.85	2.86	2.93	3.77	1589.70	1586.71	2.79	670.15	1582.00	1.04
	10.311	1170.08	773.13	999.79	1.78	3.42	2.42	1598.40	1589.53	2.82	937.05	1585.00	1.23
*	10.415	638.56	1193.10	1111.34	2.56	5.08	3.48	1600.40	1592.92	3.39	744.50	1588.00	1.23
*	10.521	384.51	1875.67	682.81	1.47	3.48	2.24	1603.20	1596.33	3.41	810.66	1591.90	1.29
*	10.606	638.97	2048.50	255.53	2.53	3.39	4.17	1602.00	1598.87	2.54	637.43	1593.30	1.06
*	10.681	501.37	1812.19	629.43	1.52	4.96	2.06	1605.30	1600.80	1.93	713.12	1596.00	1.90

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	10.787	517.53	1728.94	696.53	3.77	7.47	3.47	1609.50	1603.99	3.19	478.79	1599.00	1.43
*	10.890	398.48	980.90	1740.62	1.84	4.42	2.13	1613.10	1608.61	4.61	909.37	1603.00	1.47
*	10.996	32.04	723.80	.16	1.23	2.84	.19	1614.20	1610.88	2.27	155.53	1605.40	1.08
	11.101	60.68	695.32	.00	1.38	2.45	.00	1620.10	1613.22	2.34	193.14	1608.00	1.07
*	11.205	163.27	592.73	.00	5.07	6.27	.00	1620.10	1617.53	4.32	76.97	1610.30	1.02
*	11.309	139.37	616.63	.00	1.35	3.18	.00	1630.60	1622.46	4.93	217.52	1615.10	1.33
*	11.405	.00	756.00	.00	.00	4.76	.00	1632.00	1625.35	2.88	52.54	1620.70	1.00
*	11.512	.00	756.00	.00	.00	3.29	.00	1635.10	1628.33	2.99	134.64	1624.10	1.00
	11.578	816.02	749.39	19.59	4.45	4.60	1.63	1636.20	1631.07	2.73	297.48	1626.70	1.03
*	11.642	512.06	1051.13	21.81	2.07	2.94	.83	1637.30	1633.51	2.45	514.48	1628.90	1.13
*	11.717	513.03	1071.97	.00	2.84	4.42	.00	1641.70	1635.80	2.28	406.15	1632.70	1.13
*	11.776	893.15	691.85	.00	2.37	2.23	.00	1645.00	1638.30	2.51	584.75	1634.60	1.00
	11.885	475.92	1046.26	62.82	2.68	2.40	2.17	1646.00	1642.22	3.91	710.83	1637.30	1.01
	11.950	573.36	1011.35	.28	2.42	2.38	.45	1650.10	1645.64	3.42	743.37	1641.50	1.00
	12.043	.00	802.39	33.61	.00	1.84	.79	1651.60	1648.74	3.10	468.06	1645.30	1.07
*	12.107	.00	746.13	270.87	.00	3.44	2.66	1654.20	1650.94	2.20	314.78	1648.00	1.04
*	12.179	.00	379.59	843.41	.00	2.74	3.04	1656.60	1654.16	3.22	243.44	1650.70	1.01
*	12.275	18.10	371.35	1810.54	.98	3.11	2.47	1660.30	1657.05	2.89	722.54	1653.70	1.04
	12.370	100.05	583.45	2066.50	1.76	5.66	2.92	1664.70	1660.04	3.00	788.00	1656.70	1.33
	12.464	188.95	427.20	2203.85	1.70	3.61	2.83	1668.00	1662.90	2.86	846.92	1659.30	1.08
	12.560	613.00	877.71	1379.29	2.13	5.15	1.80	1669.00	1665.86	2.96	964.27	1662.20	1.94
	12.657	327.29	844.35	2125.36	2.84	4.92	3.23	1671.30	1669.19	3.33	599.43	1665.10	1.13
*	12.697	.00	919.01	2377.99	.00	6.67	2.77	1672.60	1670.05	.86	530.93	1666.70	1.64
*	12.701	10.43	503.61	2782.95	1.65	4.23	4.02	1670.50	1670.12	.06	611.77	1666.15	1.01
	12.709	7.41	482.66	2806.93	1.45	4.06	3.91	1670.50	1670.17	.05	617.03	1666.35	1.01
*	12.712	.00	1532.48	1764.52	.00	9.40	2.57	1672.70	1671.02	.85	603.08	1666.90	2.95

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	12.740	230.59	2046.31	1020.10	2.05	6.27	2.22	1673.60	1672.07	1.05	642.04	1667.10	1.95
	-10.890	398.46	980.98	1740.56	1.84	4.42	2.13	1613.10	1608.61	-63.46	909.36	1603.00	1.47
*	20.996	.00	.00	1535.00	.00	.00	6.31	1614.20	1612.98	4.37	211.35	1605.40	1.00
*	21.101	.00	.00	1535.00	.00	.00	2.80	1620.10	1615.94	2.96	338.80	1608.00	1.00
	21.205	.00	.00	1535.00	.00	.00	3.75	1627.90	1618.33	2.38	260.95	1614.30	1.00
	21.309	.00	.00	1535.00	.00	.00	3.06	1630.30	1621.13	2.80	314.25	1616.00	1.00
	21.405	.00	.00	1535.00	.00	.00	3.50	1631.30	1623.50	2.37	311.49	1620.20	1.00
	21.512	.00	.00	1535.00	.00	.00	3.76	1632.70	1629.25	5.75	299.12	1624.70	1.00
*	21.578	.00	.00	1535.00	.00	.00	2.16	1631.70	1630.18	.93	445.58	1626.50	1.00
*	21.642	.00	.00	1535.00	.00	.00	3.54	1633.10	1632.80	2.62	450.04	1628.90	1.00
*	21.717	.00	.00	1535.00	.00	.00	2.63	1638.00	1636.80	4.01	468.89	1632.70	1.00
*	21.776	.00	.00	1535.00	.00	.00	4.16	1640.80	1640.31	3.51	419.19	1634.60	1.00
*	21.885	.00	.00	1535.00	.00	.00	2.58	1644.30	1643.73	3.42	403.26	1637.30	1.00
*	21.954	.00	.00	1535.00	.00	.00	3.71	1648.00	1645.92	2.19	454.77	1641.50	1.00
*	22.043	.00	.00	1535.00	.00	.00	2.27	1652.10	1649.83	3.91	548.97	1645.30	1.00
*	22.107	.00	.00	1535.00	.00	.00	2.46	1654.20	1651.87	2.04	728.84	1648.00	1.00
	22.179	.00	.00	1535.00	.00	.00	2.14	1656.60	1653.83	1.96	677.98	1650.70	1.00
	22.275	.00	.00	920.00	.00	.00	2.18	1660.30	1657.36	3.53	288.18	1653.70	1.00
*	22.370	.00	.00	370.00	.00	.00	4.70	1664.70	1659.72	2.36	106.95	1656.70	1.00
*	22.464	.00	.00	300.00	.00	.00	1.58	1668.00	1663.13	3.41	190.61	1659.30	1.00
*	22.560	.00	.00	250.00	.00	.00	2.26	1669.00	1665.60	2.47	170.25	1662.20	1.00
	-10.890	398.46	980.98	1740.56	1.84	4.42	2.13	1613.10	1608.61	-57.00	909.36	1603.00	1.47
*	30.996	829.00	.00	.00	3.86	.00	.00	1614.20	1610.26	1.65	101.13	1605.40	1.00
*	31.101	829.00	.00	.00	9.71	.00	.00	1620.10	1612.39	2.13	29.20	1608.00	1.00
*	31.205	829.00	.00	.00	6.10	.00	.00	1620.10	1616.34	3.95	103.72	1610.30	1.00
*	31.309	829.00	.00	.00	4.93	.00	.00	1630.60	1621.71	5.38	266.46	1615.10	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	31.405	829.00	.00	.00	5.21	.00	.00	1632.00	1625.86	4.15	110.47	1620.70	1.00
*	31.512	829.00	.00	.00	2.57	.00	.00	1635.10	1628.32	2.46	224.31	1624.10	1.00
	-11.950	572.75	1011.98	.27	2.43	2.39	.45	1650.10	1645.64	17.32	742.62	1641.50	1.00
	42.043	749.00	.00	.00	1.75	.00	.00	1651.60	1648.86	3.23	472.26	1645.30	1.00
*	42.107	568.00	.00	.00	2.17	.00	.00	1654.20	1650.47	1.60	357.08	1648.00	1.00
	42.179	362.00	.00	.00	1.24	.00	.00	1656.60	1652.21	1.75	465.06	1650.70	1.00

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECND	XLCH	K*CHSL	EB	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	.173	.00	.00	1253.30	.24	.00	.00	100.69	.00	3.77	44.72	55.45	55.00
	.261	465.00	6.24	1257.36	.23	4.06	.00	58.78	10.66	4.94	36.91	41.13	58.58
*	.309	255.00	7.06	1259.84	.58	1.31	.11	54.15	14.98	5.26	32.13	40.68	55.00
*	.428	630.00	12.22	1264.97	.18	5.09	.04	119.97	26.46	3.09	55.00	47.02	55.00
*	.514	450.00	9.56	1268.29	.11	3.31	.01	54.89	36.32	2.17	55.00	36.79	55.00
*	.625	585.00	7.69	1272.80	.22	4.48	.03	113.92	49.27	2.07	55.10	61.84	55.00
*	.745	635.00	5.51	1276.64	.12	3.84	.01	55.87	60.19	2.52	55.00	56.29	55.00
*	.825	425.00	8.94	1280.37	.35	3.65	.07	176.15	68.28	2.21	55.00	58.40	55.00
*	.923	515.00	5.44	1284.13	.12	3.74	.02	47.95	77.30	3.41	58.41	56.19	55.00
*	1.021	515.00	6.02	1287.86	.68	3.56	.17	135.31	86.05	3.48	51.74	44.67	59.71
*	1.078	300.00	5.33	1290.03	.28	2.13	.04	44.93	90.75	4.44	55.59	45.73	64.49
	1.208	685.00	5.84	1293.00	.35	2.95	.02	65.16	101.15	3.35	55.00	29.20	55.00
*	1.296	465.00	7.74	1296.56	.43	3.14	.02	103.06	108.28	3.23	55.00	40.39	55.60
	1.406	580.00	6.55	1300.80	.34	4.24	.01	63.16	117.48	3.77	55.00	39.98	41.85
	1.466	315.00	6.98	1302.83	.52	1.97	.05	63.16	122.19	3.41	55.00	39.69	55.00
	1.592	665.00	5.71	1306.68	.36	3.84	.02	54.43	132.19	3.62	55.00	39.82	55.15
*	1.753	850.00	7.88	1313.58	.26	6.89	.01	159.71	145.85	3.92	55.00	68.72	55.00
*	1.857	550.00	6.18	1317.98	.58	4.30	.10	51.72	154.75	4.60	90.00	31.64	55.36
*	1.949	485.00	7.22	1320.75	.61	2.28	.01	47.45	162.28	3.83	90.00	28.89	55.00
	2.088	735.00	6.94	1325.51	.31	4.73	.03	96.22	174.22	3.80	46.21	54.98	55.00
	2.215	670.00	5.52	1331.21	.31	5.70	.00	71.18	187.19	5.80	53.26	53.09	55.00
*	2.340	660.00	8.33	1337.74	.73	6.40	.13	125.07	198.39	6.41	47.05	55.49	.00
*	2.438	520.00	10.77	1340.65	.62	2.90	.01	37.21	204.18	3.83	41.24	27.71	90.00
*	2.549	585.00	9.74	1344.50	.57	3.56	.00	92.16	212.54	2.03	29.85	27.34	29.71

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	2.593	230.00	8.70	1347.22	.35	2.70	.02	60.32	217.96	2.97	61.13	31.91	36.21
*	2.634	220.00	8.18	1349.19	.34	1.97	.00	175.36	221.36	3.15	.00	53.24	55.69
*	2.730	505.00	4.16	1351.98	.10	2.76	.02	38.71	230.27	4.08	.00	59.82	55.10
*	2.826	505.00	2.97	1354.47	.28	2.44	.05	125.39	239.40	4.90	.00	67.26	55.00
*	2.919	490.00	7.14	1357.57	.49	3.04	.06	41.64	247.53	4.29	55.00	31.98	55.00
	3.014	500.00	6.00	1359.53	.39	1.95	.01	37.93	255.87	3.34	55.00	35.69	55.00
*	3.109	500.00	2.00	1362.65	1.08	2.91	.21	100.26	262.33	4.76	55.00	35.35	55.00
*	3.190	430.00	-2.09	1365.16	.66	2.47	.04	37.82	266.99	8.60	.00	38.19	35.12
*	3.247	315.00	13.02	1367.52	2.41	1.78	.52	96.60	269.80	5.11	32.00	32.00	32.00
*	3.251	20.00	50.00	1368.94	2.67	.20	.13	99.56	269.92	5.28	.00	30.00	.00
*	3.253	13.50	-192.59	1369.50	1.11	.09	.47	46.04	270.01	9.99	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.69	.06	.79	184.99	270.07	7.06	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.33	270.11	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.55	270.15	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.67	270.19	7.08	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.96	270.21	8.82	.00	30.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	2.12	270.21	10.88	.00	13.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	2.12	270.38	10.88	.00	13.00	.00
*	3.264	12.50	314.40	1381.49	1.84	.01	.61	10.59	270.50	6.35	.00	13.00	.00
	3.267	11.90	.00	1381.50	1.83	.01	.00	10.53	270.58	6.37	.00	13.00	.00
	3.269	11.90	.00	1381.53	1.79	.01	.01	10.14	270.67	6.44	.00	13.00	.00
	3.273	23.80	.00	1381.57	1.74	.02	.01	9.75	270.83	6.52	.00	13.00	.00
	3.282	47.70	.00	1381.63	1.67	.05	.02	9.14	271.18	6.66	.00	13.00	.00
	3.284	6.30	.00	1381.83	1.03	.00	.19	4.80	271.23	7.50	.00	13.00	.00
	3.285	6.20	.00	1381.92	.75	.00	.08	3.22	271.29	7.87	.00	13.00	.00
	3.287	12.50	.00	1382.00	.47	.00	.08	1.83	271.44	8.24	.00	13.00	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	3.291	22.10	.00	1382.09	.21	.01	.08	3.32	271.83	8.58	35.00	30.00	35.00
	3.299	38.40	.00	1382.11	.19	.01	.01	3.05	272.69	8.62	35.00	30.00	35.00
*	3.302	20.00	.00	1382.14	.09	.00	.03	1.38	273.26	8.75	35.00	30.00	35.00
*	3.306	19.50	.00	1382.16	.04	.00	.02	.57	274.10	8.82	35.00	30.00	35.00
*	3.328	90.00	-24.45	1382.16	.01	.00	.00	.25	283.05	11.05	55.00	32.00	55.00
	3.418	475.00	4.63	1382.18	.01	.01	.00	.41	364.03	8.87	58.76	63.12	60.38
*	3.507	470.00	6.60	1382.23	.02	.04	.01	3.50	437.02	5.81	55.00	63.94	62.95
*	3.601	495.00	6.87	1382.76	.23	.47	.06	104.76	466.46	2.73	55.00	61.24	63.70
*	3.696	500.00	5.20	1385.86	.27	3.08	.01	42.15	481.13	3.19	56.71	37.24	55.00
*	3.791	500.00	7.40	1389.24	.33	3.37	.02	133.68	494.62	2.81	55.21	49.85	55.00
*	3.889	510.00	5.88	1393.38	.16	4.12	.02	56.72	510.49	4.12	55.00	55.48	50.00
	3.984	505.00	6.34	1396.58	.29	3.16	.04	79.19	526.10	3.99	55.00	44.83	55.00
*	4.080	505.00	3.17	1399.03	.19	2.44	.01	37.57	541.33	4.94	55.00	39.03	55.00
*	4.178	515.00	5.63	1401.99	.38	2.91	.06	94.34	557.99	4.82	55.00	44.65	55.00
	4.273	500.00	6.40	1405.89	.42	3.89	.01	59.18	572.86	5.47	55.00	42.64	55.00
	4.368	500.00	6.60	1409.78	.32	3.88	.01	106.73	586.70	6.15	55.00	70.65	55.00
*	4.464	505.00	5.54	1412.41	.35	2.62	.01	38.21	599.79	5.95	55.00	40.17	55.00
	4.541	406.00	5.42	1414.25	.50	1.80	.04	64.57	610.36	5.44	55.00	41.94	55.00
	4.635	495.00	5.86	1417.57	.66	3.28	.05	70.16	621.54	5.71	55.00	38.49	60.73
	4.731	505.00	6.34	1420.73	.31	3.13	.03	55.95	633.06	6.02	55.00	60.40	55.00
	4.827	505.00	8.12	1424.38	.42	3.62	.03	86.20	645.16	5.46	.00	70.83	55.00
	4.918	480.00	4.37	1427.09	.28	2.69	.01	47.65	654.96	6.21	55.00	58.24	55.00
	5.011	490.00	5.51	1429.69	.26	2.59	.00	66.21	666.97	6.12	55.00	67.76	55.00
	5.106	500.00	5.00	1432.22	.34	2.51	.02	39.85	680.02	6.08	55.00	44.67	55.00
*	5.201	500.00	5.20	1435.55	1.08	2.85	.22	87.11	690.77	6.07	55.00	38.19	55.00
	5.307	560.00	5.71	1439.10	.73	3.52	.04	48.93	700.89	6.77	55.00	35.96	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	5.414	565.00	7.08	1442.48	1.14	3.26	.12	71.55	710.66	5.75	55.00	37.86	55.00
	5.518	550.00	5.45	1445.67	.56	3.13	.06	46.83	720.70	6.50	55.00	39.51	55.00
	5.626	570.00	4.39	1448.32	.73	2.61	.05	46.27	731.91	6.49	55.00	37.65	55.00
	5.732	560.00	6.43	1451.32	.56	2.99	.02	63.68	741.88	6.06	55.00	48.81	57.62
	5.824	485.00	5.15	1453.91	.25	2.55	.03	45.58	751.95	6.46	55.00	63.31	55.00
	5.934	580.00	4.83	1456.89	.22	2.98	.00	54.29	767.74	6.68	55.00	67.23	55.00
*	6.033	525.00	5.90	1460.62	.48	3.65	.08	111.94	778.63	7.04	55.00	68.95	.00
	6.144	590.00	6.95	1465.25	.37	4.62	.01	64.23	789.26	7.68	55.00	67.72	55.00
	6.244	530.00	7.55	1468.03	.24	2.77	.01	47.02	800.64	6.59	55.00	64.90	55.00
	6.364	635.00	6.93	1470.85	.51	2.73	.08	46.29	813.62	4.74	55.00	39.52	55.00
	6.480	610.00	5.41	1473.36	.56	2.50	.01	37.09	823.89	3.91	55.00	29.42	55.00
*	6.585	555.00	6.49	1476.72	.98	3.04	.13	90.42	832.11	3.24	55.00	29.83	55.00
*	6.697	590.00	5.25	1480.05	.21	3.25	.08	36.95	843.83	4.24	55.00	45.93	55.00
	6.801	550.00	2.91	1482.88	.52	2.74	.10	69.95	857.25	5.16	55.00	47.75	55.00
	6.908	565.00	7.26	1486.63	.72	3.69	.06	63.34	867.91	4.61	55.00	36.24	55.00
	7.012	550.00	4.55	1489.68	.88	3.00	.05	48.84	876.61	5.00	55.00	32.89	55.00
*	7.130	625.00	4.64	1494.36	.84	4.67	.00	128.99	885.38	6.82	55.00	63.88	55.00
*	7.232	540.00	5.74	1498.06	.18	3.64	.07	41.37	897.00	8.09	55.00	69.61	55.00
	7.337	555.00	5.23	1500.54	.46	2.39	.08	44.96	910.67	7.38	55.00	53.22	55.00
	7.448	585.00	6.84	1503.31	.95	2.63	.15	44.77	919.82	5.67	55.00	32.84	55.00
	7.562	600.00	4.33	1506.92	.39	3.55	.06	80.62	929.02	7.23	55.00	69.00	55.00
*	7.666	550.00	5.64	1509.86	.24	2.92	.01	36.83	940.83	7.22	55.00	62.56	55.00
	7.770	550.00	4.55	1512.30	.45	2.37	.06	51.84	951.88	6.94	55.00	60.78	55.00
	7.883	595.00	6.39	1515.77	.38	3.46	.01	67.65	962.18	6.69	55.00	68.12	55.00
	7.988	555.00	8.29	1518.79	.24	3.01	.01	44.83	973.43	5.26	55.00	58.68	42.40
*	8.092	550.00	6.18	1522.59	.47	3.73	.07	94.70	984.77	5.42	55.00	70.18	37.21

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	8.196	550.00	4.73	1526.58	.27	3.97	.02	56.73	994.45	7.01	.00	64.84	55.00
	8.301	555.00	4.86	1529.67	.30	3.09	.01	62.90	1004.35	7.38	55.00	71.05	55.00
	8.407	560.00	7.50	1533.03	.22	3.35	.01	58.63	1015.70	6.61	55.00	71.08	55.00
	8.524	620.00	5.81	1536.64	.43	3.55	.06	59.64	1027.68	6.41	55.00	56.06	55.00
	8.634	580.00	5.00	1540.06	.30	3.41	.01	60.07	1038.35	7.06	55.00	63.45	55.00
	8.736	540.00	5.19	1542.74	.19	2.67	.01	41.63	1050.02	7.05	55.00	69.99	55.00
	8.840	550.00	5.82	1545.37	.91	2.41	.22	46.12	1060.51	5.75	55.00	30.95	55.00
	8.948	570.00	7.02	1547.61	.28	2.18	.06	32.22	1070.25	4.63	55.00	44.33	55.00
*	9.053	555.00	6.67	1551.13	.77	2.59	.15	72.31	1080.10	3.96	55.00	32.79	55.00
	9.158	555.00	5.23	1555.04	.31	3.86	.05	69.07	1089.75	5.42	50.54	57.68	56.05
	9.262	550.00	6.18	1557.98	.49	2.88	.05	39.93	1099.53	4.78	55.00	33.89	42.47
	9.375	595.00	5.55	1560.67	.61	2.66	.04	53.77	1107.51	4.05	55.00	31.83	37.81
	9.481	560.00	3.57	1563.99	.20	3.28	.04	63.39	1116.87	5.79	60.21	64.00	55.00
	9.585	550.00	7.27	1567.86	.16	3.87	.00	80.26	1128.27	5.71	55.00	71.50	55.00
	9.691	560.00	8.39	1571.95	.15	4.08	.00	66.65	1140.74	5.10	55.00	68.59	55.00
*	9.765	390.00	5.90	1573.51	.08	1.56	.01	30.14	1150.41	4.43	55.00	60.33	55.00
	9.783	94.80	28.48	1573.88	.15	.35	.02	46.82	1152.95	2.03	55.00	28.41	55.00
	9.888	555.00	2.70	1576.86	.14	2.97	.00	57.42	1166.58	3.52	55.00	57.09	55.00
*	9.997	575.00	4.87	1581.47	.27	4.58	.04	117.53	1178.26	5.20	55.00	82.12	55.00
*	10.103	560.00	5.89	1584.19	.27	2.71	.00	34.81	1187.31	4.62	55.00	32.40	55.00
*	10.207	550.00	4.91	1586.86	.15	2.67	.01	71.95	1199.20	4.71	55.00	75.65	46.81
	10.311	550.00	5.45	1589.63	.10	2.76	.01	37.02	1213.49	4.53	55.00	61.32	55.00
*	10.415	550.00	5.45	1593.18	.26	3.50	.05	118.58	1227.62	4.92	55.00	73.40	55.00
*	10.521	560.00	6.96	1596.47	.14	3.28	.01	36.62	1239.41	4.43	55.00	58.97	55.00
*	10.606	450.00	3.11	1599.04	.17	2.56	.01	105.37	1249.56	5.57	55.00	78.47	55.00
*	10.681	395.00	6.84	1601.05	.26	1.99	.03	30.91	1257.82	4.80	55.00	37.70	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	10.787	560.00	5.36	1604.58	.59	3.43	.10	183.86	1267.65	4.99	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.75	.14	4.12	.05	40.77	1279.40	5.61	55.00	58.50	55.00
*	10.996	555.00	4.32	1611.00	.12	2.25	.00	39.18	1289.20	5.48	55.00	64.44	55.00
	11.101	555.00	4.68	1613.31	.09	2.31	.00	42.38	1293.23	5.22	55.00	72.73	.00
*	11.205	550.00	4.18	1618.10	.56	4.65	.14	256.32	1296.05	7.23	55.00	64.37	.00
*	11.309	550.00	8.73	1622.60	.13	4.45	.04	36.73	1298.93	7.36	55.00	63.73	.00
*	11.405	505.00	11.09	1625.70	.35	3.04	.07	105.38	1301.80	4.65	.00	63.64	.00
*	11.512	565.00	6.02	1628.50	.17	2.79	.02	28.47	1304.32	4.23	.00	34.14	.00
	11.578	350.00	7.43	1631.38	.31	2.83	.04	171.38	1306.73	4.37	55.00	69.32	55.00
*	11.642	340.00	6.47	1633.63	.11	2.22	.02	37.70	1310.36	4.61	55.00	61.58	55.00
*	11.717	395.00	9.62	1636.05	.25	2.38	.04	126.28	1314.88	3.10	55.00	57.10	.00
*	11.776	310.00	6.13	1638.39	.08	2.33	.02	56.11	1318.51	3.70	55.00	61.58	.00
	11.885	575.00	4.70	1642.31	.10	3.92	.00	85.36	1327.25	4.92	55.00	62.08	55.00
	11.950	365.00	11.51	1645.72	.09	3.41	.00	98.57	1332.83	4.14	55.00	60.71	55.00
	12.043	470.00	8.09	1648.79	.05	3.06	.00	35.96	1338.91	3.44	.00	61.47	55.00
*	12.107	340.00	7.94	1651.10	.16	2.28	.03	139.08	1342.00	2.94	.00	58.42	55.00
*	12.179	380.00	7.11	1654.29	.13	3.19	.00	57.43	1345.29	3.46	.00	68.82	55.00
*	12.275	505.00	5.94	1657.15	.10	2.85	.00	55.36	1352.81	3.35	55.00	61.85	55.00
	12.370	500.00	6.00	1660.25	.21	3.07	.03	70.82	1362.50	3.34	50.00	41.21	51.62
	12.464	495.00	5.25	1663.03	.13	2.77	.01	61.10	1371.54	3.60	55.00	61.88	55.00
	12.560	505.00	5.74	1666.02	.17	2.98	.01	64.26	1383.66	3.66	55.00	48.00	85.87
	12.657	510.00	5.69	1669.41	.21	3.37	.01	62.47	1397.00	4.09	55.00	54.92	48.91
*	12.697	210.00	7.62	1670.33	.28	.91	.02	31.39	1401.71	3.35	.00	28.00	55.19
*	12.701	20.00	-27.50	1670.37	.25	.03	.01	8.88	1402.13	3.97	24.00	13.00	16.00
	12.709	40.00	5.00	1670.41	.24	.03	.00	8.16	1402.89	3.82	24.00	13.00	16.00
*	12.712	16.00	34.38	1671.71	.69	.03	.23	50.85	1403.20	4.12	.00	28.00	55.72

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	12.740	150.00	1.33	1672.48	.41	.74	.03	47.45	1406.21	4.97	55.00	28.62	55.00
	-10.890	550.00	.00	1608.75	.14	.00	.00	40.78	1420.10	5.61	55.00	58.50	55.00
*	20.996	555.00	4.32	1613.60	.62	3.57	.14	353.84	1429.36	7.58	.00	.00	55.00
*	21.101	555.00	4.68	1616.06	.12	2.42	.05	42.06	1431.72	7.94	.00	.00	55.00
	21.205	550.00	11.45	1618.55	.22	2.45	.03	77.36	1436.55	4.03	.00	.00	55.00
	21.309	550.00	3.09	1621.28	.15	2.72	.01	60.37	1440.74	5.13	.00	.00	55.00
	21.405	505.00	8.32	1623.69	.19	2.40	.01	66.29	1444.84	3.30	.00	.00	55.00
	21.512	565.00	7.96	1629.47	.22	5.77	.01	116.34	1451.36	4.55	.00	.00	55.00
*	21.578	350.00	5.14	1630.25	.07	.77	.01	23.92	1453.54	3.68	.00	.00	55.00
*	21.642	340.00	7.06	1632.99	.20	2.70	.04	147.98	1460.82	3.90	.00	.00	55.00
*	21.717	395.00	9.62	1636.91	.11	3.91	.01	44.10	1467.00	4.10	.00	.00	55.00
*	21.776	310.00	6.13	1640.58	.27	3.62	.05	191.15	1471.92	5.71	.00	.00	55.00
*	21.885	575.00	4.70	1643.84	.10	3.24	.02	44.41	1476.34	6.43	.00	.00	55.00
*	21.954	365.00	11.51	1646.13	.21	2.26	.03	190.77	1479.59	4.42	.00	.00	55.00
*	22.043	470.00	8.09	1649.91	.08	3.77	.01	45.24	1485.34	4.53	.00	.00	55.00
*	22.107	340.00	7.94	1651.96	.09	2.05	.00	97.51	1490.12	3.87	.00	.00	55.00
	22.179	380.00	7.11	1653.90	.07	1.93	.00	118.94	1492.90	3.13	.00	.00	89.18
	22.275	505.00	5.94	1657.43	.07	3.53	.00	33.10	1499.84	3.66	.00	.00	55.00
*	22.370	500.00	6.00	1660.06	.34	2.54	.08	375.20	1502.65	3.02	.00	.00	55.00
*	22.464	495.00	5.25	1663.17	.04	3.08	.03	27.45	1503.89	3.83	.00	.00	55.00
*	22.560	505.00	5.74	1665.68	.08	2.50	.01	283.38	1505.37	3.40	.00	.00	90.00
	-10.890	550.00	.00	1608.75	.14	.00	.00	40.78	1514.21	5.61	55.00	58.50	55.00
*	30.996	555.00	4.32	1610.49	.23	1.71	.03	13.74	1523.59	4.86	33.41	.00	.00
*	31.101	555.00	4.68	1613.85	1.46	2.17	.37	101.53	1526.14	4.39	34.41	.00	.00
*	31.205	550.00	4.18	1616.92	.58	2.97	.09	39.00	1527.41	6.04	31.61	.00	.00
*	31.309	550.00	8.73	1622.09	.38	3.16	.02	56.35	1529.78	6.61	40.95	.00	.00

	SECND	XLCH	K*CHSL	EB	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	31.405	505.00	11.09	1626.28	.42	4.18	.01	63.36	1532.41	5.16	40.51	.00	.00
*	31.512	565.00	6.02	1628.42	.10	2.11	.03	29.01	1535.23	4.22	50.59	.00	.00
	-11.950	365.00	.00	1645.73	.09	.00	.00	99.78	1539.51	4.14	55.00	60.71	55.00
	42.043	470.00	8.09	1648.91	.05	3.18	.00	36.53	1545.35	3.56	55.00	.00	.00
*	42.107	340.00	7.94	1650.54	.07	1.62	.01	72.17	1548.04	2.47	55.00	.00	.00
	42.179	380.00	7.11	1652.24	.02	1.69	.00	30.17	1550.23	1.51	55.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= .309 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= .309 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= .309 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= .428 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO= .428 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .514 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .625 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .745 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .825 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .923 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.021 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.078 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 1.296 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.296 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 1.753 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.857 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 1.949 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.949 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2.340 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.340 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 2.438 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 2.549 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.549 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 2.634 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 2.730 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 2.826 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 2.919 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 3.109 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

```
WARNING SECNO=     3.190  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.247  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.247  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     3.251  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.251  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.251  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.253  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.254  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.254  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.254  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.256  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.256  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.256  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.257  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.257  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.257  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.259  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.259  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.259  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.264  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.302  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.306  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.328  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.507  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.601  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.696  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.791  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.888  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.080  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

WARNING SECNO= 4.178 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 4.464 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 5.201 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5.201 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 6.033 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 6.585 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6.585 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 6.697 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7.130 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7.232 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 7.666 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 8.092 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 9.053 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9.053 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 9.765 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 9.997 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.103 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.207 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.415 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.521 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.606 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.681 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.787 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.890 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.996 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.205 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.309 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.405 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.512 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.642 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.717 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.776 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.107 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.179 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.275 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.697 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.701 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 12.712 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 12.712 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 12.712 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 20.996 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 20.996 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 20.996 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO= 21.101 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.578 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.642 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.717 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.776 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.885 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 21.954 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 22.043 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 22.107 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 22.370 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 22.464 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 22.560 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 30.996 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 31.101 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 31.101 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 31.101 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO= 31.205 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 31.309 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 31.309 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 31.512 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 42.107 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

09:02:44

24JUN93

THIS RUN EXECUTED 24JUN93 09:02:44

```
**************************************
 HEC-2 WATER SURFACE PROFILES

 Version  4.6.2;  May 1991
**************************************


T1      DAGGS WASH FIS          FCDMC CONTRACT NO.:92-08       FILE:DGWH7
T2      100-YEAR WATER SURFACE PROFILE                  A-N WEST INC. PHX. AZ.
T3      DAGGS WASH  100-YEAR PROFILE          DATE:5\18\93   AMMENDED:6\16\93
T4      EQUAL CONVEYANCE FLOODWAY RUN (SEC. 0.173 TO 10.891)
T5      TRIBUTARIES UPSTREAM OF SEC. 10.891 PREVENT FLOODWAY ANALYSIS UPSTREAM

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0        2                            0.010                                  1252

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

      1                 -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

      38        43         1         2        26        39        21        22        27        28
      53        54        68         0        38        13        14        15        55        26
      56        63         1        51         4        42        57         0        38        39
      33         3        10        11        12         5         7         8        16        17
      18         0       200

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

     -10       -10

QT        2       3041       3041
NC                                      .1         .3
NH        7       .055       9660      .028       9680       .055      9973.4       .09      9985.9       .028
NH    10018        .09    10028.3      .055    10933.4
ET                           10.4
         CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
         HYDRAULIC BASELINE.
```

```
     SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
     CONFLUENCE WITH HASSAYAMPA RIVER.
     STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
     AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
     DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
     CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
     CONFLUENCE WITH HASSAYAMPA R.).
     100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
     HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI. ).
X1   0.173      73    9973.4   10060.3        0        0        0
GR     1254    9480    1253.8    9500     1252     9520     1250     9540     1252     9560
GR   1253.3    9580    1253.5    9600   1253.3     9630     1252     9652     1250     9660
GR     1250    9680    1251.8    9690   1251.8     9720   1250.5     9730   1252.5     9760
GR   1252.5    9820      1252    9850     1252     9860   1252.8     9865     1253     9970
GR   1253.5  9973.4    1251.8  9985.9   1249.3    10000   1251.0    10018   1252.4  10028.3
GR   1252.5   10042.5   1252.8   10059.8   1253.1   10060.3   1252.3   10079.9   1252.3   10081.9
GR   1252.2   10086.1   1253.1   10110.6   1253.1   10117.6   1253.1   10126.7   1252.5   10155.1
GR   1251.7   10177.3   1251.6   10178.9   1251.7   10181.2   1252.2   10210.0   1252.2   10218.6
GR   1252.6   10278.1   1252.8   10305.7   1252.7   10307.9   1251.8   10325.5   1252.1   10335.2
GR   1251.4   10344.2   1252.6   10355.9   1252.6   10407.7   1252.6   10460.2   1252.8   10509.5
GR   1252.8   10510.3   1252.0   10520.6   1251.7   10525.6   1251.7   10525.7   1253.6   10542.1
GR   1253.3   10548.2   1253.1   10559.0   1251.8   10572.6   1251.2   10578.5   1252.5   10603.6
GR   1252.8   10609.0   1252.8   10610.1   1252.8   10620.0   1253.0   10713.1   1253.3   10737.0
GR   1253.4   10744.2   1253.5   10823.6   1253.7   10848.8   1253.5   10885.2   1253.3   10892.3
GR   1253.9   10903.1   1254.2   10918.3   1257.3   10933.4

NH       7      .055    9633.5      .028    9658.7      .055    9930.3       .09    9985.2      .028
NH   10001       .09   10059.2      .055   10485.7
ET                        9.4
X1   0.261      71    9985.2   10024.6      600      450      465
GR   1263.8    9402.6   1263.6    9407.3   1261.5    9419.6   1258.4    9438.7   1257.6    9448.3
GR   1257.7    9457.7   1257.5    9496.3   1256.9    9524.2   1256.7    9553.6   1256.7    9603.4
GR   1256.7    9612.6   1256.7    9616.9   1256.4    9618.7   1253.6    9633.5   1252.7    9650.9
GR   1252.2    9658.7   1253.1    9660.8   1257.0    9671.4   1256.8    9690.9   1256.8    9719.8
GR   1256.3    9752.5   1256.2    9755.0   1256.7    9798.9   1256.7    9840.2   1256.7    9840.5
GR   1256.7    9841.3   1256.7    9865.0   1256.7    9874.3   1256.2    9897.4   1256.5    9930.3
GR   1257.2    9972.1   1255.0    9985.2   1254.3    9997.3   1254.4   10000.0   1254.6     10001
GR   1255.9   10024.6   1255.2   10046.5   1255.4   10059.2   1256.7   10080.5   1256.7   10084.3
GR   1257.0   10107.5   1256.6   10119.7   1256.3   10140.4   1256.1   10146.2   1256.0   10151.2
GR   1255.6   10191.1   1256.2   10227.1   1255.9   10256.6   1255.8   10261.1   1255.6   10280.0
GR   1255.6   10282.0   1255.6   10282.8   1256.2   10291.0   1256.4   10298.3   1256.4   10314.1
GR   1256.7   10344.5   1256.7   10347.5   1256.4   10352.1   1255.0   10374.8   1255.3   10385.3
GR   1256.1   10400.0   1256.1   10400.0   1255.9   10408.0   1255.8   10419.8   1255.9   10425.6
GR   1256.1   10430.4   1257.1   10444.1   1257.8   10455.1   1259.2   10460.0   1263.4   10477.4
GR   1265.2   10485.7

NH       6      .055      9785      .028      9810      .055    9930.1      .028   10000.0       .09
NH   10036      .055     10490
ET                       16.4
X1   0.309      49    9974.4     10036      220      250      255
GR     1270    9740      1260    9770     1256     9785     1254     9795     1254     9810
GR     1256    9815      1258    9822     1259     9850   1259.2     9860   1259.2     9880
GR   1259.2  9893.7    1259.4  9908.6   1256.4  9928.0   1256.1  9930.1   1257.8  9956.5
GR   1257.8  9956.9    1258.1  9974.4   1257.1  9987.5   1257.2  9991.8   1257.2 10000.0
```

```
GR   1257.2    10002.9    1257.8    10015.9    1258.6     10036    1258.9    10064.0    1258.9    10068.2
GR   1258.9    10074.8    1259.2    10132.7    1259.2    10181.8   1259.2    10208.7    1259.1    10227.9
GR   1258.9    10249.0    1258.5    10288.3    1258.2    10316.1   1257.8    10333.3    1258.4    10359.5
GR   1258.8    10366.0    1258.7    10379.8    1258.6    10404.6   1258.1    10415.4    1257.3    10426.7
GR   1257.8    10435.0    1258.3    10439.2    1258.6    10446.4   1258.9    10459.2    1257.3    10472.6
GR   1257.2    10473.4    1257.8    10475.2     1260      10483     1262      10490

NH        5       .055      9980        .09      9995       .028     10003       .09      10015       .055
NH    10370
ET                           4.4
X1    0.428         60      9969.2     10030       700        530       630
GR   1280.1    9168.5     1273.4    9190.7     1273.3    9191.1    1273.3    9191.7     1273.1    9192.9
GR   1270.0    9220.1     1268.6    9231.1     1268.3    9247.7    1268.3    9280.7     1268.1    9305.7
GR   1267.5    9324.3     1266.5    9359.3     1266.1    9378.3    1265.6    9402.4     1264.5    9448.8
GR   1264.4    9456.0     1263.4    9530.6     1263.3    9537.3    1263.2    9545.5     1263.0    9552.8
GR   1262.8    9564.5     1263.2    9576.5     1263.4    9584.6    1264.0    9597.1     1263.9    9612.4
GR   1263.5    9700.2     1263.4    9739.3     1263.4    9749.8    1263.1    9752.8     1262.3    9760.7
GR   1261.7    9769.2     1263.8    9783.2     1263.9    9783.6    1263.9    9827.0     1263.8    9835.0
GR   1263.9    9837.3     1263.9    9839.4     1263.6    9845.3    1262.5    9855.4     1264.4    9876.4
GR   1264.9    9880.8     1263.8    9910.8     1264.0    9938.4    1264.4    9964.4     1264.5    9969.2
GR   1264.4      9980       1264      9990     1263.5      9995    1263.5      10003      1264.0      10015
GR   1264.4     10030       1264     10045     1263.1     10062    1263.9      10095      1263.6      10170
GR   1263.2     10210       1264     10255       1266     10315      1270      10330        1280      10370

NH        5       .055      9982.9       .09     10000.0      .028    10019.8       .09     10030.9       .055
NH    10312
ET                           10.4
X1    0.514         48      9984.7    10030.9       420        430       450
GR   1276.6    9309.7     1276.3    9313.2     1274.6    9327.3    1274.0    9332.8     1272.8    9345.3
GR   1271.7    9358.5     1268.3    9387.3     1268.2    9398.5    1268.1    9414.5     1267.4    9436.3
GR   1266.6    9494.2     1266.6    9496.0     1266.6    9496.8    1266.6    9521.0     1266.4    9531.9
GR   1266.0    9584.7     1266.3    9622.8     1266.4    9660.4    1266.7    9705.9     1266.9    9707.3
GR   1267.0    9720.1     1266.4    9751.8     1266.0    9831.4    1266.1    9837.8     1266.5    9859.5
GR   1266.8    9881.0     1267.5    9904.8     1267.4    9923.3    1267.6    9953.0     1267.8    9969.8
GR   1267.8    9972.8     1268.3    9982.9     1268.1    9984.7    1266.7    10000.0    1266.8    10002.5
GR   1267.8   10019.8     1267.8   10030.9     1267.5   10053.4    1266.9    10092.5    1266.4    10117.4
GR   1266.3   10162.4     1266.5   10175.8     1267.6   10228.3    1268.5    10272.0    1268.5    10279.2
GR   1269.7   10286.0     1275.9   10307.0     1277.5     10312

NH        5       .055      9979.1       .09      9995.0      .028    10002.5       .09     10028.8       .055
NH    10053
ET                           4.4
X1    0.625         35      9984.4    10028.8       585        585       585
GR   1283.4    9257.3     1281.9    9263.9     1281.7    9264.8    1281.6    9265.4     1281.5    9266.2
GR   1276.0    9298.0     1275.6    9319.5     1275.0    9366.6    1274.2    9388.4     1273.6    9420.3
GR   1273.5    9422.8     1273.4    9429.9     1273.3    9451.9    1273.4    9468.5     1273.1    9474.4
GR   1271.2    9512.8     1271.6    9621.3     1271.6    9648.5    1271.5    9659.3     1270.9    9717.5
GR   1270.6    9753.2     1270.7    9764.2     1270.7    9764.4    1270.7    9773.3     1270.6    9822.2
GR   1270.6    9864.1     1271.0    9911.8     1271.1    9930.6    1271.6    9979.1     1271.7    9984.4
GR   1270.9    9995.0     1270.5   10000.0     1270.6   10002.5    1270.8   10028.8     1262.1     10053
```

```
NH      5      .055     9963.2      .09     10000.0      .028     10015.4      .09     10028.8      .055
NH  10125
ET                       10.4
X1  0.745        46     9963.2  10028.8         480       635         635
GR 1287.7    9138.9     1279.4   9170.7      1278.6    9173.5      1278.3    9174.5     1277.8    9218.0
GR 1277.7    9230.1     1276.9   9268.2      1276.3    9305.4      1276.0    9313.2     1276.1    9318.2
GR 1275.7    9363.1     1275.7   9371.1      1275.1    9404.3      1274.8    9411.7     1275.0    9442.9
GR 1275.1    9476.8     1275.1   9489.6      1275.4    9565.3      1274.8    9603.3     1275.0    9638.7
GR 1275.7    9693.4     1275.3   9703.2      1274.0    9722.1      1274.0    9733.1     1274.6    9752.2
GR 1274.4    9781.6     1274.8   9820.1      1274.8    9839.7      1274.4    9879.0     1274.8    9928.2
GR 1275.0    9935.4     1275.1   9940.8      1275.9    9963.2      1274.7    9979.4     1274.3    9987.3
GR 1274.4   10000.0     1274.5  10001.8      1274.5   10002.0      1275.0   10015.4     1275.3   10028.8
GR 1277.0   10083.3     1278.5  10094.0      1280.0   10098.2      1282.2   10103.7     1286.4   10116.4
GR 1288.9   10125

NH      5      .055     9919.0      .09     9975.0       .028     10000.0      .09     10030.8      .055
NH  10057
ET                        5.4
X1  0.825        58     9916.5  10030.8         390       420         425
GR 1300.1    9088.2     1299.9   9089.9      1297.5    9106.7      1295.3    9119.9     1295.0    9120.9
GR 1294.7    9123.5     1290.4   9146.1      1289.1    9162.6      1288.8    9167.1     1288.5    9169.4
GR 1285.0    9198.7     1282.9   9221.1      1282.5    9236.3      1281.7    9268.5     1281.5    9282.9
GR 1280.7    9332.3     1280.6   9341.9      1280.2    9383.1      1280.1    9413.7     1278.1    9463.2
GR 1277.9    9468.3     1278.2   9470.3      1280.2    9479.1      1280.2    9518.5     1280.0    9585.2
GR 1279.9    9586.7     1278.4   9627.6      1279.2    9642.4      1279.3    9646.0     1277.8    9665.8
GR 1279.4    9685.4     1279.4   9686.3      1279.4    9687.6      1279.4    9696.8     1279.5    9753.0
GR 1279.5    9758.8     1279.4   9760.9      1278.9    9777.5      1279.3    9793.1     1279.4    9804.4
GR 1279.0    9828.2     1277.8   9916.5      1277.8    9917.6      1277.8    9919.0     1277.8    9960.1
GR 1277.8    9965.5     1277.8   9975.0      1277.8    9981.0      1277.8    9994.3     1277.9   10000.0
GR 1277.8   10008.7     1277.9  10010.6      1277.8   10013.2      1278.6   10026.0     1279.6   10030.8
GR 1280.7   10038.4     1287.6  10054.2      1288.2   10057

NH      5      .055     9930.6      .09     9981.8       .028     10000.0      .09     10031.8      .055
NH  10322
ET                       10.4
X1  0.923        44     9981.8  10050.4         375       540         515
GR 1291.8    9536.9     1288.3   9560.4      1285.3    9575.9      1284.5    9591.9     1284.1    9601.5
GR 1283.9    9635.0     1283.8   9668.7      1283.6    9680.1      1282.9    9730.0     1281.5    9747.3
GR 1280.6    9760.9     1282.3   9776.7      1282.7    9781.5      1282.7    9785.3     1282.3    9848.9
GR 1282.3    9904.1     1282.2   9906.2      1282.2    9907.0      1282.0    9913.9     1281.6    9926.8
GR 1281.6    9927.9     1281.7   9930.6      1283.2    9981.8      1281.9    9991.0     1280.6   10000.0
GR 1281.4   10022.1     1281.7  10031.8      1282.1   10050.4      1282.2   10057.8     1282.2   10061.5
GR 1282.2   10072.2     1282.5  10122.6      1281.5   10149.6      1281.1   10158.3     1281.9   10171.6
GR 1282.1   10178.3     1282.2  10243.4      1282.3   10270.3      1283.7   10280.5     1285.6   10285.5
GR 1286.5   10288.0     1291.3  10297.8      1294.3   10308.2      1299.3   10322

NH      6      .055     9895.3      .028    9919.0       .09      9979.6       .028    10000.0      .09
NH  10028      .055    10456.8
ET                        6.4
```

X1	1.021	42	9965.9	10018.1	400	550	515			
GR	1295.4	9733.7	1293.3	9738.6	1291.6	9743.4	1290.0	9754.8	1289.5	9758.4
GR	1289.4	9759.2	1288.0	9798.2	1287.5	9803.7	1285.8	9821.9	1286.3	9828.1
GR	1287.3	9851.5	1287.3	9853.5	1287.0	9854.9	1284.4	9876.1	1284.5	9876.6
GR	1285.3	9895.3	1284.1	9919.0	1285.5	9945.7	1285.5	9947.4	1284.1	9965.9
GR	1283.8	9979.6	1283.9	9984.4	1283.7	10000.0	1285.4	10018.1	1286.0	10028
GR	1286.0	10034.4	1286.2	10071.9	1286.7	10109.6	1287.6	10144.4	1287.8	10160.9
GR	1288.3	10201.0	1288.7	10240.8	1288.9	10273.9	1289.0	10285.4	1289.1	10289.2
GR	1291.9	10363.6	1292.6	10382.5	1293.1	10393.8	1298.0	10426.8	1298.2	10429.2
GR	1304.8	10452.6	1305.7	10456.8						
NH	5	.055	9958.1	.09	9975.4	.028	10025.4	.09	10054.8	.055
NH	10648									
ET			5.4							
X1	1.078	54	9965.1	10029.6	260	350	300			
GR	1290.0	9750.0	1287.2	9759.3	1287.5	9766.0	1288.2	9780.2	1288.3	9783.2
GR	1288.3	9786.2	1288.1	9800.1	1287.4	9806.7	1287.0	9812.7	1287.9	9828.6
GR	1288.3	9836.0	1288.5	9854.4	1288.5	9898.9	1288.9	9937.0	1288.9	9958.1
GR	1287.9	9965.1	1285.8	9975.4	1285.3	10000.0	1285.5	10025.4	1286.3	10029.6
GR	1286.0	10054.8	1286.0	10055.1	1286.0	10055.1	1286.1	10064.0	1286.2	10066.1
GR	1287.0	10092.7	1287.9	10099.3	1288.6	10106.2	1289.5	10159.9	1289.7	10195.3
GR	1290.2	10221.8	1290.4	10273.9	1290.6	10299.0	1290.3	10314.5	1290.6	10327.8
GR	1290.9	10334.3	1291.1	10367.0	1291.1	10368.9	1291.1	10370.5	1291.5	10385.7
GR	1291.3	10412.5	1291.3	10432.6	1291.8	10455.6	1291.8	10460.1	1292.7	10476.7
GR	1293.8	10488.3	1294.7	10540.6	1294.9	10568.4	1295.1	10582.6	1299.2	10598.8
GR	1305.6	10623.5	1309.9	10646.9	1309.9	10647.2	1310.0	10648		
NH	4	.055	9980	.028	10024.9	.09	10039.7	.055	10992	
ET			10.4							
X1	1.208	52	9980	10039.7	685	400	685			
GR	1315	9955	1305	9960	1300	9970	1295	9975	1290	9980
GR	1289.3	9989.3	1289.8	10000.0	1290.8	10024.9	1291.7	10039.7	1292.6	10051.2
GR	1292.3	10075.9	1292.6	10109.3	1292.7	10128.3	1292.1	10136.2	1290.8	10156.6
GR	1291.3	10163.9	1292.0	10177.2	1292.6	10199.3	1292.8	10212.8	1290.6	10237.5
GR	1290.6	10237.8	1290.7	10238.9	1292.2	10262.3	1292.1	10274.3	1292.2	10307.8
GR	1292.2	10338.2	1292.3	10373.5	1291.9	10387.0	1290.4	10421.6	1291.1	10443.4
GR	1291.4	10456.2	1291.6	10471.6	1291.7	10476.5	1291.2	10483.4	1290.0	10496.1
GR	1289.9	10507.9	1290.4	10519.1	1291.4	10532.6	1291.3	10584.9	1291.0	10681.5
GR	1291.8	10748.7	1293.3	10842.5	1293.4	10850.7	1294.1	10868.6	1294.8	10883.0
GR	1296.5	10936.9	1297.3	10954.8	1297.3	10956.6	1297.4	10958.8	1298.0	10968.8
GR	1300.6	10984.6	1301.8	10992						
NH	5	.055	9955.3	.09	9981.7	.028	10017.8	.09	10062.4	.055
NH	10740									
X1	1.296	44	9955.3	10020.4	465	320	465			
GR	1306.1	9677.3	1306.0	9681.6	1305.6	9683.7	1298.9	9706.1	1297.5	9717.5
GR	1296.1	9762.2	1295.3	9793.2	1294.7	9858.9	1295.2	9899.8	1295.9	9933.8
GR	1293.9	9955.3	1293.2	9961.5	1293.0	9981.7	1292.9	10000.0	1294.8	10017.8
GR	1295.2	10020.4	1296.1	10062.4	1296.1	10078.8	1295.1	10106.2	1294.6	10112.1
GR	1294.3	10133.6	1294.6	10139.6	1295.6	10167.3	1295.2	10235.3	1295.2	10244.3
GR	1295.0	10266.4	1294.9	10280.8	1294.9	10284.9	1295.3	10322.5	1295.2	10330.2
GR	1295.0	10364.2	1294.6	10390.8	1294.4	10396.2	1294.7	10409.2	1295.2	10420.3
GR	1295.7	10500.8	1296.0	10537.6	1296.2	10565.8	1298.1	10652.3	1298.9	10681.1
GR	1300.1	10696.6	1300.6	10708.3	1303.5	10732.3	1304.1	10740		

```
NH       8      .055    9965.0       .09     9977.7       .028    10013.8       .09    10072.9       .055
NH   10111      .028   10160.3       .09    10185.1       .055    10608.1
ET              7.1                                                8910      10322
ET                        7.4
      AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
      THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
      LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
      DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
      SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
      AND SEC.1.406 (LEFT OF STA. 9800+\-).
      THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
      APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.
X1   1.406        66    9965.0   10072.9        580        470        580
GR    1310      8910      1308      8918       1306       8930       1304       9060       1302       9150
GR    1300      9380      1302      9540     1308.1       9580     1304.1     9779.2     1303.9     9782.4
GR  1302.4    9798.3    1301.7    9818.8     1301.6     9824.1     1301.3     9828.6     1299.1     9853.5
GR  1299.0    9870.0    1299.2    9894.0     1299.5     9965.0     1298.0     9977.7     1296.7     9986.4
GR  1297.3   10000.0    1297.8   10009.2     1297.9    10013.8     1298.3    10033.0     1299.1    10072.9
GR  1299.3   10083.5    1299.6   10095.1     1298.8      10111     1298.1    10121.3     1297.8    10160.3
GR  1297.5   10185.1    1299.2   10200.0     1299.8    10204.1     1299.3    10219.3     1299.3    10221.0
GR  1299.4   10227.0    1301.7   10244.9     1302.2    10256.6     1303.3    10262.9     1305.9    10279.1
GR  1308.4   10293.4    1308.3   10295.8     1309.3    10307.1     1311.8    10321.3     1311.9    10322.2
GR  1311.9   10322.3    1311.8   10323.3     1310.0    10341.7     1310.0    10341.7     1306.3    10356.8
GR  1305.8   10360.4    1301.0   10380.7     1300.6    10392.8     1300.0    10426.9     1300.0    10427.7
GR  1300.0   10428.6    1300.9   10450.2     1301.0    10476.5     1301.8    10536.7     1303.5    10557.4
GR  1303.9   10564.2    1304.2   10567.0     1306.5    10588.6     1307.5    10591.3     1310.4    10602.8
GR  1312.5   10608.1

NH       5      .055    9956.4       .09       9974       .028    10036.0       .09    10057.6       .055
NH   10517
ET                        14.4
      THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
      APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
      SEC. 1.753.
X1   1.466        86    9947.1   10100.7        320        300        315
GR  1314.0    8674.9    1308.0    8721.1     1308.0     8726.6     1307.8     8728.4     1307.8     8734.5
GR  1306.5    8827.4    1306.1    8884.2     1304.6     9017.9     1304.5     9022.8     1304.5     9026.4
GR  1303.9    9078.1    1304.1    9128.0     1303.5     9177.9     1302.8     9221.1     1302.8     9245.7
GR  1302.1    9302.1    1302.0    9308.9     1302.9     9313.7     1305.0     9328.7     1306.8     9344.0
GR  1310.8    9370.6    1311.6    9377.0     1311.7     9379.1     1312.0     9400.8     1311.9     9401.2
GR  1311.1    9420.0    1311.0    9429.3     1310.1     9438.1     1308.7     9448.9     1306.2     9457.8
GR  1305.6    9460.3    1305.6    9461.8     1305.7     9466.5     1306.6     9494.1     1306.7     9512.5
GR  1306.7    9514.2    1310.2    9533.3     1309.8     9540.3     1308.8     9559.5     1309.0     9561.3
GR  1310.7    9577.8    1311.1    9602.0     1311.6     9625.9     1310.9     9643.9     1311.0     9676.0
GR  1310.7    9678.3    1310.2    9682.1     1309.8     9684.8     1306.6     9712.4     1302.5     9740.1
GR  1302.6    9768.3    1302.8    9789.2     1303.0     9805.5     1301.9     9854.3     1301.2     9877.0
GR  1301.7    9922.3    1302.2    9947.1     1301.2     9956.4     1299.4     9974.0     1299.2    10000.0
GR  1298.9   10036.0    1298.9   10057.6     1298.9    10084.0     1300.1    10100.7     1300.6    10106.8
GR  1300.7   10113.7    1300.9   10123.4     1301.6    10162.9     1306.9    10185.8     1308.7    10193.4
GR  1304.1   10234.0    1303.9   10236.5     1304.0    10249.4     1304.3    10287.2     1304.3    10290.3
GR  1304.4   10325.7    1304.4   10335.4     1304.6    10354.9     1304.8    10362.4     1305.9    10416.1
GR  1307.0   10456.5    1308.3   10461.0     1311.3    10476.3     1312.6    10501.0     1313.4    10507.3
GR  1313.8     10517
```

```
NH      5      .055    9898.7      .09    9962.3      .028   10057.0      .09   10089.7      .055
NH  10232
ET                     16.4
X1  1.592        81    9898.7  10088.4       500       700       665
GR 1309.5    8622.6    1309.4   8631.8    1308.4    8674.9    1308.2   8725.0    1307.9    8733.8
GR 1307.8    8753.3    1307.8   8835.3    1307.4    8850.7    1306.1   8907.5    1306.1    8922.2
GR 1306.1    8975.0    1306.4   9072.0    1306.4    9109.2    1306.5   9170.7    1306.1    9233.0
GR 1306.1    9236.6    1306.2   9242.9    1306.8    9282.1    1307.7   9375.7    1307.8    9387.4
GR 1307.7    9388.9    1306.6   9419.8    1306.7    9424.0    1306.7   9454.9    1306.7    9464.9
GR 1306.9    9494.6    1306.3   9525.1    1306.0    9549.6    1305.8   9584.7    1306.1    9633.5
GR 1305.8    9675.0    1306.0   9706.2    1306.0    9723.7    1305.9   9733.3    1306.1    9794.4
GR 1306.0    9795.4    1303.9   9815.2    1304.6    9821.1    1304.6   9827.5    1304.5    9829.3
GR 1305.3    9835.6    1305.6   9838.2    1305.8    9842.3    1306.1   9892.1    1305.4    9898.7
GR 1304.3    9918.1    1303.6   9926.5    1302.9    9937.6    1303.0   9942.5    1302.8    9945.3
GR 1302.7    9962.3    1303.2   9965.7    1304.0    9976.7    1303.7   9982.9    1303.6   10000.0
GR 1303.5   10008.8    1303.1  10018.7    1303.1   10024.1    1303.8  10050.4    1303.9   10052.4
GR 1304.0   10057.0    1304.2  10076.2    1305.3   10084.6    1305.7  10088.4    1305.7   10089.7
GR 1306.1   10117.5    1303.5  10131.8    1303.3   10133.1    1303.7  10135.3    1306.9   10156.1
GR 1307.2   10160.5    1307.2  10161.5    1307.5   10164.7    1309.2  10185.6    1309.4   10186.8
GR 1309.8   10195.8    1311.7  10206.0    1312.0   10209.0    1313.2  10212.5    1315.6   10220.2
GR 1318.8   10232

NH      5      .055    9980.1      .09    9999.1      .028   10024.3      .09   10044.3      .055
NH  10426
ET                     10.4
        THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO
        CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.
X1  1.753        58    9980.1  10044.3       600       950       850
GR 1324.3    9439.8    1319.4   9484.0    1314.3    9515.7    1312.8   9524.0    1312.8    9535.3
GR 1312.7    9571.8    1312.6   9599.7    1312.7    9635.3    1312.7   9651.9    1312.2    9670.2
GR 1312.2    9682.6    1312.2   9684.1    1312.4    9689.7    1312.8   9698.4    1312.7    9704.2
GR 1312.2    9748.9    1311.0   9758.8    1310.5    9762.5    1312.7   9782.7    1312.8    9783.8
GR 1312.4    9822.8    1312.6   9859.8    1312.8    9877.0    1312.6   9882.2    1311.2    9896.4
GR 1311.5    9899.2    1311.7   9910.3    1311.7    9924.9    1313.8   9980.1    1309.6    9999.1
GR 1309.4   10000.0    1309.6  10008.0    1309.9   10024.3    1310.3  10026.9    1312.6   10044.3
GR 1312.6   10074.6    1312.5  10103.6    1312.2   10124.5    1312.0  10142.4    1312.2   10160.2
GR 1311.9   10172.3    1311.7  10179.3    1311.7   10193.3    1311.7  10197.8    1311.8   10200.7
GR 1312.4   10222.3    1312.6  10230.6    1313.7   10257.2    1315.0  10274.3    1315.4   10291.0
GR 1316.3   10312.0    1317.2  10352.0    1317.5   10358.5    1317.7  10362.4    1321.2   10375.8
GR 1325.4   10398.6    1327.5  10408.4    1332.7   10426

NH      5      .055    9963.9      .09    9979.7      .028   10022.6      .09   10029.0      .055
NH  10839
ET                      9.4
X1  1.857        56    9977.9  10022.6       390       550       550
GR 1326.7    9884.4    1326.7   9895.1    1326.6    9899.3    1326.2   9911.3    1325.3    9931.4
GR 1322.5    9945.2    1322.2   9949.0    1319.5    9963.9    1313.4   9977.9    1312.8    9979.7
GR 1312.8    9984.6    1312.8  10000.0    1315.5   10022.6    1316.1  10028.1    1316.1   10029.0
GR 1315.8   10059.8    1315.6  10069.2    1316.0   10076.6    1316.7  10098.5    1316.1   10161.8
GR 1316.0   10167.8    1315.5  10171.3    1314.1   10180.8    1313.9  10182.3    1314.0   10182.6
GR 1315.6   10192.5    1315.6  10198.1    1315.3   10206.6    1313.9  10212.3    1313.3   10216.3
GR 1314.0   10221.8    1315.4  10233.2    1315.9   10252.8    1316.0  10257.8    1316.0   10265.3
GR 1315.4   10283.6    1315.8  10299.8    1316.3   10313.0    1316.2  10352.7    1316.3   10362.3
```

```
GR   1317.9    10435.9    1318.2    10456.7    1319.1    10491.3    1321.7    10591.4    1322.7    10625.6
GR   1323.3    10653.4    1323.9    10693.0    1324.4    10708.9    1324.1    10733.6    1324.1    10748.2
GR   1324.1    10761.4    1324.3    10781.7    1332.3    10815.4    1332.8    10817.4    1333.3    10820.0
GR   1338.1    10839

NH      5       .055     9953.7       .09     9967.0       .028    10060.1       .09     10072.1       .055
NH   11096
ET                         14.4
X1   1.949        55      9963.7    10072.1       485        420        485
GR   1330.1    9903.9     1328.0     9913.5    1324.4     9930.6    1323.9     9933.6    1323.6     9935.9
GR   1320.3    9953.7     1319.5     9963.7    1319.0     9967.0    1318.5     9969.5    1316.4     9982.6
GR   1316.3   10000.0     1317.9    10060.1    1318.2    10072.1    1318.3    10073.9    1318.6    10078.9
GR   1319.4   10096.0     1319.4    10158.7    1319.6    10176.3    1319.4    10180.0    1319.1    10190.2
GR   1319.2   10206.1     1319.3    10215.1    1319.4    10229.8    1319.4    10253.3    1319.0    10325.1
GR   1318.9   10333.8     1318.9    10340.6    1318.9    10342.1    1318.8    10346.5    1318.9    10358.6
GR   1318.9   10438.9     1318.9    10461.7    1318.9    10464.4    1318.9    10465.9    1320.0    10488.3
GR   1320.4   10538.0     1320.3    10560.5    1320.4    10580.8    1321.0    10621.4    1322.1    10685.2
GR   1322.7   10715.3     1323.4    10750.7    1323.6    10767.7    1323.8    10778.1    1324.8    10818.9
GR   1324.9   10823.7     1325.3    10868.6    1325.6    10905.0    1325.6    10906.9    1325.8    10910.9
GR   1326.5   10967.2     1328.3    11008.7    1329.2    11048.8    1335.9    11075.6    1341.2    11096

NH      10       .055     9395         .028     9405         .09     9420         .055     9512.5       .028
NH   9537.6      .055     9883.9       .09     9936.4       .028    10000.0       .09     10028.1       .055
NH   10730
ET                 7.1                                                9220     10265.3
ET                         10.4
X1   2.088        85      9927.9    10028.1       880        580        735
GR    1330       9220       1326       9230       1326       9350    1325.6     9364.1    1325.5       9390
GR   1323.7      9395     1323.3       9405       1324       9410    1324.3       9420    1325.9       9450
GR   1323.3      9465     1324.0     9482.4     1325.0     9483.2    1325.0     9486.5    1324.6     9501.5
GR   1323.8    9512.5     1323.8     9516.6    1323.9     9537.6    1325.0     9553.2    1325.0     9553.3
GR   1325.0    9553.4     1324.6     9567.4    1325.4     9577.4    1325.6     9586.0    1325.8     9593.5
GR   1325.2    9605.4     1325.2     9649.9    1324.8     9678.3    1324.3     9698.7    1323.9     9717.7
GR   1324.2    9721.4     1324.4     9743.0    1324.7     9775.5    1324.5     9824.7    1324.6     9829.7
GR   1324.5    9832.6     1324.6     9848.7    1324.3     9851.5    1324.0     9857.5    1324.5     9863.3
GR   1324.8    9866.7     1325.0     9883.9    1325.5     9926.5    1325.3     9927.9    1322.8     9936.4
GR   1322.7    9941.9     1322.2     9964.2    1322.0     9973.8    1321.7     9980.2    1321.7     9989.5
GR   1321.7    9993.3     1321.7    10000.0    1321.4    10016.5    1324.5    10028.1    1324.9    10029.3
GR   1324.7   10037.6     1324.4    10052.4    1322.3    10063.1    1321.8    10067.7    1322.9    10081.7
GR   1324.3   10100.4     1324.3    10109.7    1324.5    10116.2    1325.0    10155.6    1325.4    10181.4
GR   1325.2   10243.8     1325.3    10245.6    1326.3    10265.3    1325.9    10295.3    1325.3    10329.3
GR   1324.7   10345.1     1324.6    10351.6    1325.3    10379.2    1326.1    10400.8    1326.8    10427.2
GR   1326.8   10433.4     1326.9    10476.0    1328.6    10565.7    1328.8    10577.8    1328.9    10584.8
GR   1328.9   10588.5     1329.3    10601.0    1330.5    10672.8    1330.7    10718.3    1330.8    10730

NH      13       .055       9250         .09     9260         .028    9270         .09       9290       .055
NH   9511.3      .09      9533.6       .028    9540.4       .09     9550.5       .055      9960.2       .09
NH   9974.1      .028    10017.5       .09    10033.9       .055    10504.0
ET                 7.1                                                9200     10504.0
ET                           8.4
```

```
X1    2.215      74    9969.7   10033.9      750      650      670
GR     1334    8975      1332      9000      1330     9020     1330    9050     1332    9060
GR     1330    9150      1330      9160      1332     9200     1330    9250   1329.1    9260
GR   1329.1    9270      1330      9275      1332     9290     1332    9360     1332    9500
GR   1331.8  9511.3    1328.8    9533.6    1328.2   9540.4   1328.2  9550.5   1329.1  9555.7
GR   1329.2  9557.7    1330.0    9572.9    1330.0   9580.5   1330.1  9588.8   1330.0  9590.1
GR   1329.7  9592.5    1329.3    9596.5    1329.3   9602.3   1329.9  9616.0   1329.9  9624.5
GR   1330.6  9649.0    1330.5    9649.7    1329.8   9660.1   1330.7  9694.1   1331.6  9705.5
GR   1331.7  9706.4    1331.7    9710.3    1331.2   9739.6   1331.0  9748.7   1330.7  9782.3
GR   1329.9  9840.3    1329.5    9854.6    1329.6   9859.3   1329.7  9870.7   1329.9  9890.7
GR   1330.1  9937.4    1330.4    9960.2    1330.2   9969.6   1330.3  9969.7   1329.1  9974.1
GR   1326.6  9983.0    1326.0    9986.9    1326.0  10000.0   1325.8 10017.5   1325.1 10017.6
GR   1330.3 10033.9    1330.6   10035.5    1330.5  10041.1   1330.1 10062.5   1329.8 10095.4
GR   1329.8 10116.2    1329.6   10122.8    1329.0  10161.6   1330.1 10187.2   1330.1 10188.8
GR   1330.2 10189.5    1331.1   10269.7    1331.8  10306.5   1332.2 10332.5   1332.6 10356.1
GR   1332.8 10401.6    1333.1   10477.3    1333.2  10489.4   1333.2 10504.0

NH       9     .055    9561.3       .09    9579.4      .028   9600.0      .09   9615.1     .055
NH  9983.3      .09   10000.0      .028   10035.3       .09  10051.6     .055  10216.6
ET              7.1                                          9378.5  10216.6
ET                      12.4
X1    2.340      73    9983.3   10051.6      750      660      660
GR   1343.2  9008.4    1342.3    9016.4    1342.2   9017.7   1342.1  9021.5   1340.5  9092.0
GR   1340.2  9113.8    1338.9    9132.1    1338.9   9132.1   1338.9  9132.2   1339.3  9150.5
GR   1338.9  9171.5    1338.0    9244.5    1337.2   9294.5   1337.2  9330.9   1336.4  9343.6
GR   1336.1  9352.8    1337.2    9362.9    1337.8   9373.0   1337.8  9375.0   1337.8  9378.5
GR   1337.7  9383.2    1336.7    9459.0    1336.7   9463.8   1336.7  9477.7   1336.9  9485.6
GR   1337.2  9516.5    1337.6    9553.0    1337.7   9561.3   1337.1  9566.3   1335.0  9579.4
GR   1335.0  9589.0    1335.2    9600.0    1335.7   9604.2   1337.0  9615.1   1335.5  9626.7
GR   1335.5  9629.1    1335.5    9630.5    1335.3   9638.0   1335.4  9644.0   1335.4  9646.1
GR   1335.8  9663.0    1335.8    9676.6    1335.9   9708.7   1336.1  9714.6   1336.0  9717.2
GR     1336  9736.7    1336.5    9763.5    1337.2   9774.8   1337.2  9788.7   1337.1  9795.6
GR     1336  9810.1      1336    9816.4      1336   9817.0   1337.9  9854.7   1339.4  9870.2
GR   1339.4  9871.2    1339.8    9918.4    1338.5   9942.4   1338.0  9960.0   1337.8  9969.6
GR   1340.7  9981.3    1341.3    9983.3    1333.6   9996.1   1330.6 10000.0   1331.6 10028.7
GR   1331.6 10031.3    1333.2   10035.3    1340.0  10051.6   1340.4 10066.0   1339.3 10134.6
GR   1339.6 10152.2    1340.3   10188.9    1341.8  10216.6

NH       9     .055    9721.9       .09      9735      .028   9753.9      .09   9771.7     .055
NH  9955.1      .09    9971.5      .028   10077.0       .09  10092.8     .055  10149.2
QT       2     3277      3277
      OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
      SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
      HYDRAULIC MODELING MADE FOR ROAD.
      100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
      HEC-1 MODEL I.D. NO.=C900. (D.A.=26.14 SQ. MI.).
X1    2.438      54    9955.1   10084.9      350      500      520
GR   1344.2  9151.3    1342.9    9199.5    1342.5   9202.7   1341.8  9243.1   1341.1  9271.8
GR   1341.5  9288.5    1341.1    9352.5    1340.4   9375.1   1340.4  9412.9   1340.4  9452.2
GR   1340.3  9536.5    1340.0    9576.9    1340.0   9590.1   1339.9  9619.4   1339.5  9638.7
GR   1339.5  9714.2    1339.5    9719.8    1339.5   9721.9   1337.5    9735   1337.0  9740.6
GR   1337.0  9740.7    1337.0    9753.9    1340.1   9771.7   1341.7  9780.3   1341.2  9783.7
GR   1339.2  9794.7    1339.0    9807.6    1338.9   9811.9   1338.9  9824.7   1338.7  9832.8
GR   1340.8  9857.5    1341.1    9861.3    1341.1   9862.9   1341.6  9889.0   1341.8  9895.6
```

GR	1341.9	9910.8	1341.0	9933.4	1339.8	9955.1	1339.2	9959.8	1338.8	9964.9
GR	1338.0	9971.5	1337.2	9974.1	1336.2	9979.7	1336.2	10000.0	1336.9	10058.7
GR	1337.1	10073.5	1337.2	10073.9	1337.5	10077.0	1339.0	10084.9	1340.8	10092.8
GR	1340.3	10107.6	1340.3	10117.3	1340.4	10125.8	1340.8	10149.2		
ET		7.1					9832	10730		
NH	9	.055	9885.1	.09	9893.9	.028	9957.2	.09	9965.5	.028
NH	10003	.09	10017.9	.055	10180	.028	10440	.055	10730	
X1	2.549	52	9965.5	10017.9	505	800	585			
GR	1349.5	9593.7	1349.1	9603.1	1345.9	9632.7	1343.9	9659.9	1343.9	9660.0
GR	1342.4	9673.7	1342.9	9683.8	1343.1	9689.3	1343.0	9695.8	1342.8	9720.8
GR	1343.0	9747.9	1344.3	9757.3	1344.8	9763.0	1346.6	9777.4	1348.2	9793.6
GR	1348.9	9802.7	1349.4	9832.7	1349.2	9843.7	1349.2	9843.8	1348.7	9871.7
GR	1344.3	9885.1	1342.8	9890.2	1342.4	9893.9	1342.2	9924.6	1341.9	9957.2
GR	1343.7	9964.5	1344.0	9965.5	1343.9	9966.4	1342.3	9988.2	1342.2	9989.8
GR	1342.4	9992.3	1342.6	10000.0	1343.2	10003	1344.4	10017.9	1344.0	10040
GR	1343.5	10130	1342.5	10180	1343	10200	1342	10215	1342	10230
GR	1343.3	10260	1344	10290	1344	10320	1342	10340	1342.5	10400
GR	1342	10430	1342	10440	1346	10450	1346	10460	1346	10530
GR	1348	10615	1350	10730						
NH	8	.055	9956.6	.09	9978.3	.028	10014.7	.09	10034.2	.055
NH	10190	.028	10290	.09	10305	.055	10710			
ET			6.4							
X1	2.593	25	9978.3	10034.2	200	430	230			
GR	1354.7	9888.0	1354.9	9890.9	1350.6	9905.7	1344.7	9922.4	1345.5	9937.8
GR	1346.3	9956.6	1345.4	9978.3	1343.9	10000.0	1344.2	10014.7	1345.2	10023.9
GR	1346.4	10034.2	1345.9	10056.7	1345.8	10120	1345.0	10150	1346	10180
GR	1346.0	10190	1344.3	10220	1344.3	10240	1344.2	10290	1346	10305
GR	1346	10340	1345	10350	1346	10370	1348	10560	1350	10710
NH	4	.09	9966.6	.028	10074.6	.09	10129.1	.055	10831.3	
ET			7.4							
X1	2.634	51	9944.8	10116.7	220	200	220			
GR	1355.4	9924.3	1355.4	9924.5	1355.6	9934.3	1351.8	9944.8	1345.7	9962.7
GR	1346.2	9966.6	1348.0	9994.3	1348.1	10000.0	1347.3	10019.4	1348.0	10051.4
GR	1348.0	10061.6	1347.9	10069.7	1347.8	10072.2	1347.8	10074.6	1347.8	10113.3
GR	1347.8	10115.2	1347.8	10116.7	1347.1	10129.1	1345.9	10160.8	1345.9	10168.2
GR	1346.8	10190.8	1347.9	10206.6	1347.8	10225.0	1347.7	10269.5	1348.6	10303.8
GR	1348.6	10311.1	1348.1	10347.7	1347.6	10401.0	1346.5	10410.8	1346.1	10416.9
GR	1348.7	10431.1	1349.4	10435.4	1349.4	10438.7	1349.2	10454.4	1348.1	10509.1
GR	1347.3	10518.7	1346.1	10532.4	1346.1	10532.5	1346.1	10532.9	1349.5	10559.4
GR	1349.0	10589.8	1348.9	10591.3	1348.9	10592.3	1348.9	10593.4	1349.4	10609.4
GR	1349.8	10691.7	1350.3	10717.2	1350.6	10740.2	1351.3	10783.9	1352.0	10814.0
GR	1351.8	10831.3								
NH	4	.09	9994.8	.028	10028.0	.09	10068.0	.055	10987.8	
ET			8.4							
X1	2.730	50	9976.6	10050.4	505	350	505			
GR	1362.0	9963.0	1362.6	9965.4	1361.1	9967.4	1360.9	9974.8	1361.0	9975.3
GR	1360.9	9976.1	1360.6	9976.6	1349.6	9994.8	1347.8	9998.4	1347.8	10000.0
GR	1347.8	10028.0	1348.7	10034.0	1351.1	10050.4	1351.5	10068.0	1350.7	10069.8
GR	1351.0	10075.7	1351.2	10086.5	1350.7	10104.3	1351.2	10159.4	1350.9	10180.2
GR	1350.6	10218.4	1350.6	10260.0	1350.1	10282.3	1348.6	10287.9	1347.9	10298.3

GR	1348.7	10309.8	1350.0	10324.5	1350.5	10330.8	1350.6	10362.2	1350.7	10418.8
GR	1350.6	10447.2	1350.4	10510.4	1349.9	10538.5	1349.9	10581.1	1349.9	10612.5
GR	1350.0	10614.4	1349.9	10615.5	1348.3	10625.5	1351.0	10650.6	1351.1	10651.3
GR	1351.1	10652.7	1351.1	10658.7	1351.3	10771.8	1349.9	10820.8	1349.3	10838.7
GR	1349.8	10848.4	1350.5	10858.3	1351.8	10891.2	1352.2	10923.3	1353.0	10987.8
NH	4	.09	9996.4	.028	10020.5	.09	10063.1	.055	10943.7	
ET		7.1					9950.0	10643.5		
ET			10.4							
X1	2.826	59	9990.3	10063.1	510	350	505			
GR	1372.3	9950.0	1370.3	9962.0	1368.4	9967.2	1363.4	9977.3	1359.4	9985.5
GR	1355.6	9990.3	1350.6	9996.4	1349.4	9997.8	1349.3	10000.0	1349.9	10014.6
GR	1351.0	10020.5	1354.0	10041.5	1354.7	10063.1	1355.0	10073.5	1354.3	10075.7
GR	1351.7	10082.6	1353.2	10108.7	1353.3	10119.0	1353.7	10130.9	1353.7	10169.5
GR	1353.8	10219.5	1353.8	10231.0	1353.8	10234.1	1353.5	10237.2	1351.9	10245.0
GR	1350.7	10250.5	1351.2	10254.0	1353.7	10269.8	1353.0	10281.4	1353.0	10290.5
GR	1353.8	10322.4	1353.9	10324.4	1353.9	10325.2	1353.0	10351.6	1353.3	10430.0
GR	1353.3	10437.0	1352.8	10443.2	1350.9	10465.6	1351.5	10479.5	1352.4	10500.0
GR	1352.2	10519.2	1352.2	10553.1	1353.9	10586.1	1354.4	10599.7	1354.5	10605.0
GR	1355.1	10643.5	1354.5	10670.7	1354.3	10686.6	1353.7	10706.3	1353.0	10733.6
GR	1353.0	10740.4	1352.0	10748.8	1351.8	10751.3	1352.4	10767.1	1353.1	10779.8
GR	1354.2	10860.8	1354.3	10877.7	1354.4	10886.8	1354.9	10943.7		
NH	5	.055	9941.9	.09	9957.8	.028	10005.6	.09	10022.2	.055
NH	10581									
ET		7.1					9717.3	10316.2		
ET			6.4							
X1	2.919	48	9941.9	10022.2	400	430	490			
GR	1359.5	9717.3	1358.9	9724.5	1358.6	9738.2	1358.0	9774.6	1358.3	9801.3
GR	1357.9	9809.4	1357.2	9831.5	1355.9	9859.1	1355.6	9883.8	1355.6	9927.4
GR	1355.8	9941.9	1353.1	9957.8	1352.8	9958.7	1352.8	9958.7	1352.8	9985.6
GR	1352.8	9985.6	1352.8	10000.0	1353.8	10005.6	1353.6	10008.5	1356.2	10022.2
GR	1356.6	10027.4	1357.2	10029.7	1356.4	10074.3	1355.9	10156.3	1355.6	10181.5
GR	1355.6	10191.8	1355.1	10193.8	1352.8	10210.9	1353.0	10212.5	1355.2	10229.0
GR	1355.0	10240.3	1355.0	10261.1	1355.3	10281.0	1356.3	10302.6	1356.6	10309.9
GR	1356.9	10316.3	1356.4	10335.1	1356.1	10359.4	1356.4	10375.2	1355.2	10395.2
GR	1355.3	10396.7	1356.7	10426.8	1356.7	10429.4	1356.0	10509.2	1355.9	10527.8
GR	1356.2	10543.8	1357.9	10564.0	1359.0	10581				
NH	3	.055	9807.8	.032	10002.8	.055	10279.5			
ET			13.4							
X1	3.014	55	9800.5	10027.4	470	450	500			
GR	1366.1	9480.0	1364.7	9524.0	1364.2	9554.8	1363.9	9566.0	1363.4	9580.3
GR	1362.1	9621.4	1361.7	9637.1	1360.8	9678.4	1360.4	9694.7	1360.4	9697.5
GR	1359.9	9713.0	1358.8	9751.2	1358.9	9774.0	1358.9	9782.3	1358.9	9786.1
GR	1358.9	9800.5	1356.8	9807.8	1356.1	9810.8	1356.1	9811.0	1356.1	9812.4
GR	1356.1	9812.5	1356.1	9813.4	1355.8	9901.5	1357.1	9909.7	1357.3	9911.5
GR	1357.0	9918.4	1356.1	9963.4	1356.3	9970.9	1356.2	10000.0	1356.3	10000.7
GR	1356.3	10002.8	1356.1	10008.0	1358.3	10027.4	1358.3	10027.5	1358.3	10027.5
GR	1358.0	10056.4	1358.3	10060.3	1358.3	10062.6	1358.3	10064.8	1358.5	10069.0
GR	1358.9	10079.4	1359.8	10084.8	1359.8	10095.1	1359.9	10119.0	1360.3	10139.3
GR	1360.3	10155.3	1360.5	10159.8	1361.7	10188.5	1362.2	10198.2	1363.5	10226.3
GR	1363.2	10228.6	1363.4	10229.8	1363.8	10237.8	1365.7	10256.0	1368.2	10279.5

```
NH       3      .055     9854.1      .032     9964.2      .055    10399.8
ET              7.1                                     9743.6    10139.8
ET                      15.4
X1   3.109        57     9851.5    9977.3       550       470       500
GR  1366.1    9743.6    1365.7    9779.1    1365.5    9785.2    1365.4    9786.7    1364.6    9794.0
GR  1363.8    9807.6    1363.3    9820.2    1362.1    9826.5    1360.1    9832.4    1359.8    9832.8
GR  1360.0    9837.5    1360.3    9851.5    1359.5    9854.1    1358.5    9858.7    1358.0    9858.9
GR  1357.8    9860.2    1359.2    9881.1    1360.0    9909.4    1357.6    9939.2    1356.8    9956.7
GR  1356.9    9958.1    1356.9    9960.5    1357.2    9964.2    1360.9    9977.3    1361.7    9979.7
GR  1361.6    9982.9    1361.3    9992.4    1361.3   10000.0    1361.1   10066.0    1362.2   10139.8
GR  1362.2   10169.8    1360.0   10182.5    1360.0   10182.6    1360.0   10182.8    1360.1   10196.1
GR  1360.8   10201.5    1360.8   10202.9    1361.1   10216.3    1358.8   10218.7    1358.3   10220.8
GR  1358.6   10224.3    1359.4   10234.5    1360.2   10239.7    1361.5   10249.7    1361.9   10258.2
GR  1362.4   10266.5    1361.8   10274.8    1361.1   10287.1    1362.6   10295.4    1362.8   10297.2
GR  1363.2   10318.1    1363.3   10324.9    1363.2   10327.0    1362.4   10358.9    1363.3   10386.9
GR  1363.9   10396.5    1363.9   10399.8

NH       3      .055     9951.3      .032    10055.8      .055    10690.5
ET              7.1                                     9839.6    10308.5
X1   3.190        58     9933.1   10006.6       440       390       430
GR  1370.3    9839.6    1368.7    9850.4    1366.2    9861.7    1366.2    9865.3    1366.3    9876.8
GR  1365.7    9900.1    1365.5    9905.4    1365.3    9913.7    1364.8    9933.1    1359.2    9951.3
GR  1355.9    9961.1    1358.3    9973.8    1359.4    9980.2    1359.4    9985.8    1359.4    9997.8
GR  1359.8   10000.0    1361.0   10006.6    1361.1   10006.9    1362.8   10044.1    1362.9   10055.8
GR  1362.8   10076.6    1364.2   10084.3    1364.6   10089.7    1365.1   10308.5    1365.1   10308.6
GR  1365.1   10308.6    1365.1   10308.6    1365.1   10309.7    1365.1   10308.7    1365.1   10308.7
GR  1365.1   10308.8    1365.1   10309.2    1363.3   10444.0    1362.9   10446.6    1361.7   10453.8
GR  1361.3   10468.5    1361.1   10479.0    1361.1   10481.5    1361.1   10482.4    1361.2   10493.0
GR  1362.8   10490.6    1362.8   10495.8    1362.9   10502.6    1362.5   10503.7    1361.7   10506.1
GR  1361.7   10509.5    1362.1   10523.9    1362.8   10525.3    1364.3   10533.2    1364.2   10547.2
GR  1364.3   10556.7    1364.1   10561.8    1363.3   10581.7    1363.5   10586.0    1364.2   10602.0
GR  1364.5   10638.1    1365.0   10666.2    1365.6   10690.5

NC    .032       .032      .032
ET              7.1       7.1                           9971.3    10028.7
      THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
      EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
      FLOW  TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.
      FLOODWAY ENCROACHMENT TERMINATED FROM THIS SECTION UPSTREAM TO
      SECTION 3.696.THE CAP OVERCHUTE SPILLWAY AND THE STORAGE PONDING
      UPSTREAM OF THE OVERCHUTE TO SEC. 3.696. PROVIDE ATTENUATION OF PEAK
      DISCHARGES AND THEREFORE NO FLOODWAY ENCROACHMENT WAS UTILIZED
      WHICH WOULD ALLOW REDUCTION OF STORAGE VOLUME.
X1   3.247        33     9979.0   10023.2       315       280       315
GR  1370.9    9807.4    1370.6    9816.7    1370.7    9829.3    1369.6    9853.3    1369.1    9866.4
GR  1367.9    9892.5    1367.4    9904.5    1365.2    9930.7    1362.8    9959.2    1360.9    9973.8
GR  1360.9    9979.0    1360.6    9984.4    1360.0    9999.8    1360.0   10000.0    1360.0   10000.0
GR  1360.0   10000.0    1360.5   10023.2    1360.6   10030.3    1361.1   10031.8    1361.3   10033.9
GR  1364.1   10050.4    1364.7   10054.9    1364.7   10060.6    1365.6   10074.3    1365.6   10081.8
GR  1367.1   10115.4    1367.2   10116.6    1369.2   10149.3    1369.2   10149.6    1369.3   10152.8
GR  1369.4   10156.9    1371.9   10194.8    1371.6   10206.2
```

```
NC      .03       .03       .03        .3        .5
        BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR
        THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.
X1   3.251         4    9976.3   10023.7        20        20        20
GR    1367    9976.3      1361    9976.3      1361   10023.7      1367   10023.7

        THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
        WITHIN 47.33 FOOT WIDE SPILLWAY.
        BAFFLE BLOCKS ARE 5.67 FOOT WIDE  X 3.8 FOOT HIGH (NORMAL TO FLOOR)
        BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
        ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
        EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
        SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.
X1   3.253        20    9976.3   10023.7      13.5      13.5      13.5
GR  1369.4    9976.3    1358.4    9976.4    1358.4    9980.1    1362.1    9980.1    1362.1    9985.8
GR  1358.4    9985.8    1358.4    9991.4    1362.1    9991.4    1362.4    9997.1    1358.4    9997.1
GR  1358.4   10002.8    1362.1   10002.8    1362.1   10008.5    1358.4   10008.5    1358.4   10014.1
GR  1362.1   10014.1    1362.1   10019.8    1358.4   10019.8    1358.4   10023.7    1369.4   10023.7

X1   3.254         0         0         0       7.3       7.3       7.3                 3.0

X1   3.256         0         0         0       7.3       7.3       7.3                 3.0

X1   3.257         0         0         0       7.3       7.3       7.3                 3.1

        THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.
X1   3.259         0         0         0       7.3       7.3       7.3                 3.0

        THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.
X1  3.2591         4    9976.3   10023.7         2         2         2
GR  1380.3    9976.3    1371.0    9976.3    1371.0   10023.7    1380.3   10023.7

NC     .013      .013      .013
        THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
        DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).
X1  3.2593         4    9976.3   10023.7        .1        .1        .1
GR  1380.3    9976.3   1369.37    9976.3   1369.37   10023.7    1380.3   10023.7

        THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.
X1   3.262         0         0         0      14.7      14.7      14.7

        END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
        WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.
X1   3.264         4    9976.3   10023.7      12.5      12.5      12.5
GR  1380.3    9976.3    1373.3    9976.3    1373.3   10023.7    1380.3   10023.7

X1   3.267         0         0         0      11.9      11.9      11.9
```

```
X1    3.269        0        0        0       11.9       11.9       11.9

X1    3.273        0        0        0       23.8       23.8       23.8

        END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.
X1    3.282        0        0        0       47.7       47.7       47.7

X1    3.284        4   9973.2  10026.9        6.3        6.3        6.3
GR   1380.7   9973.2   1373.3   9973.2   1373.3  10026.9   1380.7  10026.9

X1    3.285        4   9970.1  10030.0        6.2        6.2        6.2
GR   1381.1   9970.1   1373.3   9970.1   1373.3  10030.0   1381.1  10030.0

        END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
        INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
        END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
        HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).
X1    3.287        4   9963.8  10036.2       12.5       12.5       12.5
GR   1381.8   9963.8   1373.3   9963.8   1373.3  10036.2   1381.8  10036.2

NC    .035       .035       .03
X1    3.291        4   9953.8  10046.2       22.1       22.1       22.1
GR    1383   9934.4   1373.3   9953.8   1373.3  10046.2       1383  10065.6

X1    3.299        4   9955.3  10046.7       38.4       38.4       38.4
GR    1383   9925.9   1373.3   9955.3   1373.3  10046.7       1383  10074.1

X1    3.302        4   9933.4  10067.7         20         20         20
GR    1383   9896.7   1373.3   9933.4   1373.3  10067.7       1383  10103.4

        END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.
X1    3.306        4   9901.5  10098.6       19.5       19.5       19.5
GR    1383   9830.5   1373.3   9901.5   1373.3  10098.6       1383  10169.6

NC    .055       .055       .032         .1         .3
QT       2       4957       4957
        100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
        HEC-1 CONC. PT. I.D.=C90I.  (D.A.=26.14 SQ. MI.)
X1    3.328       69   9975.0  10374.7         90         90         90
GR   1386.3   9047.5   1383.8   9064.5   1383.7   9067.2   1383.5   9116.0   1383.6   9149.1
GR   1383.9   9178.3   1384.3   9227.9   1384.2   9236.2   1384.4   9246.6   1383.5   9319.2
GR   1383.5   9332.8   1382.9   9367.5   1382.8   9376.5   1382.7   9383.3   1382.2   9394.9
GR   1381.1   9432.9   1381.1   9483.4   1381.1   9495.1   1381.6   9517.8   1381.7   9531.6
GR   1381.5   9553.3   1381.1   9586.3   1381.1   9626.0   1379.4   9679.0   1378.5   9717.4
GR   1377.9   9742.2   1377.7   9767.3   1376.6   9794.1   1375.9   9837.5   1375.9   9858.0
GR   1375.4   9870.2   1375.1   9887.6   1374.9   9897.7   1374.0   9923.4   1373.8   9942.1
GR   1373.3   9961.7   1373.8   9975.0   1372.8   9997.2   1372.8  10000.0   1372.8  10037.2
GR   1372.8  10040.7   1372.8  10049.7   1373.3  10103.2   1373.7  10139.1   1373.7  10159.9
GR   1373.7  10210.2   1373.6  10216.9   1372.8  10256.1   1372.8  10271.2   1372.5  10274.9
GR   1371.2  10294.2   1371.1  10295.1   1371.1  10295.4   1371.7  10324.9   1371.7  10329.4
GR   1371.9  10351.6   1372.6  10374.7   1372.6  10381.1   1373.1  10389.7   1373.2  10396.1
GR   1373.1  10401.1   1376.3  10425.2   1381.4  10480.0   1381.4  10484.8   1384.2  10529.9
GR   1384.6  10540.8   1384.9  10546.2   1388.7  10592.0   1389.9  10614.8
```

```
NH       5     0.055    9598.7      .065     9990.6       .04    10007.3      .065    10261.4      .055
NH   10720
       SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
       MINIMAL GRADING;
X1   3.418        57    9729.0   10007.3       460       465       475
GR  1384.0      9285    1378.6    9352.8    1377.8    9360.0    1377.4    9366.5    1375.9    9432.9
GR  1375.6    9459.3    1374.9    9489.5    1373.9    9576.9    1373.9    9597.3    1374.8    9598.7
GR  1374.2    9626.5    1373.4    9723.2    1373.3    9729.0    1373.3    9735.1    1373.8    9866.0
GR  1374.0    9883.1    1374.1    9884.5    1375.4    9973.2    1375.5    9985.5    1375.6    9990.6
GR  1375.3   10000.0    1375.0   10007.3    1375.0   10086.6    1374.9   10138.8    1375.0   10147.9
GR  1375.0   10211.4    1374.9   10214.8    1373.9   10241.4    1373.9   10241.4    1373.9   10241.6
GR  1374.3   10251.8    1374.2   10258.6    1373.8   10260.9    1374.0   10261.4    1374.1   10265.7
GR  1375.6   10299.9    1375.7   10302.5    1376.0   10306.3    1377.9   10348.8    1378.0   10353.9
GR  1378.0   10358.4    1378.9   10403.7    1378.9   10409.9    1378.9   10454.2    1379.0   10459.8
GR  1379.0   10465.3    1378.0   10533.3    1378.0   10539.5    1377.9   10545.0    1377.4   10592.6
GR  1377.2   10596.8    1377.3   10601.5    1377.8   10640.5    1378.0   10649.4    1380.1    10678
GR    1382     10702      1384     10720

NH       5      .055    9582.9      .065     9987.0      .040    10000.0      .065    10238.0      .055
NH   10295
X1   3.507        33    9582.9   10055.4       550       470       470
GR  1390.8    9199.9    1388.8    9209.9    1383.9    9246.1    1382.4    9254.7    1382.2    9257.0
GR  1381.9    9265.2    1379.3    9406.7    1379.1    9426.1    1378.9    9453.8    1377.6    9582.9
GR  1376.4    9628.0    1376.6    9677.2    1376.7    9683.6    1376.7    9686.2    1376.8    9687.2
GR  1376.7    9706.5    1376.8    9756.3    1377.8    9851.0    1378.3    9903.0    1377.8    9939.1
GR  1377.8    9970.3    1377.9    9987.0    1377.9   10000.0    1378.5   10055.4    1377.8   10120.7
GR  1377.8   10126.5    1377.2   10201.6    1377.5   10238.0    1377.3   10242.8    1377.1   10253.0
GR  1377.2   10265.0    1377.3   10265.3    1384.2     10295

NH       5      .055    9641.5      .065     9965.8       .04    10000.0      .065    10033.8      .055
NH   10082
X1   3.601        33    9641.5   10023.3       430       460       495
GR  1390.2    9194.9    1386.3    9240.6    1382.8    9289.2    1381.5    9338.5    1379.9    9406.8
GR  1381.6    9519.8    1381.7    9522.7    1380.6    9581.4    1380.6    9585.7    1380.6    9587.5
GR  1380.6    9604.9    1380.6    9641.5    1380.3    9685.2    1380.7    9742.5    1380.5    9833.4
GR  1380.4    9871.3    1380.9    9879.1    1381.2    9900.9    1381.1    9911.1    1381.5    9965.8
GR  1380.4    9988.7    1379.8   10000.0    1379.8   10017.6    1380.0   10020.5    1380.5   10023.3
GR  1381.1   10033.8    1384.7   10048.5    1384.6   10051.8    1385.9   10060.8    1386.4   10066.0
GR  1388.5   10075.1    1388.7   10079.7    1388.9     10082

NH       5      .055    9807.7       .09     9850.8      .028    10000.0       .09    10010.3      .055
NH   10266
ET                       14.4
       FLOODWAY ENCROACHMENT CONTINUED UPSTREAM OF THIS SECTION.
X1   3.696        45    9850.8   10218.4       465       480       500
GR  1393.9    9286.6    1393.5    9294.9    1392.0    9318.9    1390.6    9341.9    1390.5    9342.5
GR  1390.5    9342.5    1390.5    9342.7    1387.5    9358.3    1386.7    9361.6    1386.1    9375.9
GR  1386.3    9377.9    1385.6    9395.6    1385.6    9403.0    1385.6    9472.8    1385.6    9493.5
GR  1384.8    9533.7    1384.2    9595.3    1384.0    9608.6    1383.9    9613.7    1383.7    9626.2
GR  1383.1    9646.0    1384.0    9700.2    1384.6    9807.7    1384.6    9845.3    1383.6    9850.8
GR  1382.9    9856.1    1383.2    9869.1    1382.8    9952.6    1382.9    9985.2    1382.8   10000.0
GR  1384.0   10008.3    1384.3   10010.3    1383.6   10105.4    1383.3   10144.7    1382.7   10182.5
GR  1382.8   10204.2    1382.4   10213.6    1382.6   10214.0    1382.8   10218.4    1383.9   10222.1
```

GR	1390.6	10244.7	1391.9	10248.3	1391.9	10249.0	1392.3	10253.2	1391.8	10266
NH	9	.055	9848.2	.09	9879.5	.028	9896.9	.09	9923.3	.055
NH	9984.3	.09	10000.0	.028	10034.5	.09	10089.8	.055	10393.6	
X1	3.791	65	9858.2	10320.3	440	410	500			
GR	1395.9	9204.4	1395.7	9205.9	1395.3	9208.4	1393.6	9229.8	1392.4	9235.7
GR	1391.7	9242.3	1390.6	9254.7	1389.9	9256.8	1389.3	9286.9	1389.1	9294.8
GR	1389.0	9301.5	1387.9	9391.5	1387.2	9486.9	1387.2	9488.2	1387.3	9492.4
GR	1388.1	9527.3	1388.4	9530.8	1388.0	9564.1	1387.8	9568.2	1387.9	9572.5
GR	1388.1	9594.3	1388.7	9603.7	1389.0	9608.3	1388.9	9646.8	1388.7	9704.0
GR	1388.6	9721.0	1388.5	9775.4	1388.4	9848.2	1388.4	9858.2	1388.1	9861.7
GR	1386.6	9879.5	1386.7	9896.7	1386.7	9896.8	1386.7	9896.9	1386.9	9916.3
GR	1387.8	9923.3	1388.9	9937.8	1388.9	9949.0	1388.2	9973.5	1387.8	9984.3
GR	1387.5	9991.8	1387.2	10000.0	1386.3	10025.2	1386.1	10034.5	1386.1	10068.2
GR	1387.1	10089.8	1387.6	10099.3	1387.8	10104.8	1387.6	10142.1	1387.9	10159.1
GR	1387.6	10186.2	1386.7	10198.3	1386.1	10206.0	1387.2	10226.9	1387.2	10227.5
GR	1387.2	10229.9	1386.7	10259.0	1386.6	10271.7	1387.2	10320.3	1387.3	10320.7
GR	1394.4	10355.4	1398.0	10376.9	1400.2	10390.9	1400.3	10392.7	1400.4	10393.6
NH	7	.055	9670.5	.028	9708.4	.055	9965.1	.09	9990.0	.028
NH	10005	.09	10014.8	.05	10122.7					
X1	3.888	64	9639.3	10014.8	430	570	510			
GR	1399.2	8811.4	1397.2	8818.9	1396.2	8830.3	1396.3	8837.0	1396.0	8841.1
GR	1395.4	8857.7	1394.6	8889.0	1392.9	8968.8	1392.7	8995.2	1392.7	9015.3
GR	1392.7	9018.6	1392.7	9023.9	1392.4	9055.0	1392.5	9079.5	1392.5	9122.7
GR	1392.8	9175.6	1392.9	9189.6	1392.7	9198.0	1391.9	9223.7	1392.1	9239.7
GR	1392.3	9265.5	1392.3	9309.2	1392.4	9337.2	1392.5	9410.4	1392.4	9433.8
GR	1391.7	9515.3	1391.6	9523.1	1391.7	9532.8	1392.0	9608.8	1392.1	9618.9
GR	1391.0	9639.3	1390.2	9654.8	1390.9	9668.0	1391.0	9670.5	1391.0	9673.2
GR	1390.6	9691.1	1390.2	9708.4	1390.2	9718.3	1391.3	9734.4	1391.8	9738.9
GR	1391.7	9761.1	1391.6	9786.2	1390.9	9825.6	1390.7	9844.3	1390.8	9850.5
GR	1391.7	9892.1	1390.7	9909.5	1391.3	9965.1	1391.7	9976.3	1390.7	9981.5
GR	1389.1	9990.0	1389.4	10000.0	1389.4	10005.0	1391.3	10010.9	1392.0	10014.8
GR	1391.2	10044.9	1391.4	10051.5	1390.9	10057.9	1390.4	10068.3	1390.0	10090.8
GR	1390.0	10091.5	1390.9	10094.1	1398.3	10114.7	1398.9	10122.7		
NH	7	.055	9823.3	.028	9856.1	.055	9974.9	.09	9984.4	.028
NH	10000	.09	10022.7	.055	10072.2					
X1	3.984	57	9674.4	10041.8	380	520	505			
GR	1402	8955	1400	8965	1398	8975	1396.1	9010	1396	9043
GR	1396	9046.0	1395.8	9090.6	1395.8	9102.7	1395.2	9165.9	1395.2	9214.2
GR	1395.0	9259.9	1395.0	9263.5	1394.8	9265.4	1395.7	9291.5	1395.2	9328.3
GR	1395.2	9383.4	1395.9	9450.4	1395.3	9472.1	1395.6	9530.2	1395.8	9559.5
GR	1395.9	9595.6	1395.2	9634.1	1394.4	9674.4	1393.7	9679.8	1392.8	9687.2
GR	1393.8	9699.0	1394.6	9705.7	1394.7	9720.5	1394.8	9729.5	1395.1	9750.2
GR	1395.2	9756.2	1395.0	9762.5	1394.7	9766.5	1393.7	9774.1	1394.0	9788.1
GR	1393.9	9803.6	1393.5	9814.5	1393.3	9823.3	1393.1	9846.2	1392.9	9856.1
GR	1395.2	9875.8	1396.1	9881.5	1396.1	9886.4	1395.6	9898.0	1395.1	9913.3
GR	1394.9	9916.6	1394.4	9934.3	1394.9	9952.2	1395.2	9974.9	1394.3	9984.4
GR	1393.1	10000	1392.3	10022.7	1392.3	10026.3	1392.5	10028.3	1394.2	10041.8
GR	1405.1	10063.7	1409.1	10072.2						

NH	5	.055	9923.9	.09	9963.4	.028	10003.3	.09	10038.3	.055
NH	10325									
X1	4.080	62	9822.5	10038.3	350	505	505			
GR	1402	9233	1400	9258	1398	9280	1397.8	9292.7	1397.6	9369.8
GR	1397.7	9397.9	1397.9	9420.2	1397.4	9444.6	1397.0	9453.4	1397.0	9463.4
GR	1397.2	9474.6	1397.9	9580.1	1397.9	9600.3	1397.9	9615.3	1397.9	9694.6
GR	1397.2	9757.3	1397.2	9761.1	1397.2	9763.8	1397.1	9766.3	1396.7	9822.5
GR	1395.6	9830.6	1394.7	9838.6	1395.9	9849.7	1396.8	9860.9	1397.6	9891.6
GR	1397.8	9910.5	1397.3	9923.9	1396.5	9952.5	1395.4	9963.4	1394.1	9978.5
GR	1393.9	10000.0	1393.9	10003.3	1394.3	10005.3	1397.2	10021.5	1397.2	10038.3
GR	1397.1	10042.2	1397.3	10045.7	1397.8	10056.8	1397.5	10077.1	1397.2	10102.4
GR	1397.0	10107.3	1396.6	10118.8	1396.3	10129.6	1396.3	10131.5	1396.1	10134.6
GR	1396.6	10151.0	1397.1	10158.3	1397.2	10161.3	1397.2	10201.3	1396.1	10209.9
GR	1395.6	10213.3	1396.6	10231.1	1396.7	10233.6	1396.7	10234.0	1396.8	10236.4
GR	1398.3	10264.4	1398.0	10266.7	1398.0	10274.8	1398.7	10298.9	1399.6	10303.1
GR	1400.4	10307.6	1401.1	10325						
NH	5	.055	9953.4	.09	9989.3	.028	10021.1	.09	10048.9	.055
NH	10597									
ET			4.4							
X1	4.178	70	9804.0	10048.9	375	615	515			
GR	1406	9415	1404	9440	1402	9470	1401.9	9486.3	1401.8	9496.6
GR	1400.7	9587.4	1400.5	9625.6	1400.5	9635.2	1401.5	9668.3	1400.8	9671.1
GR	1400.9	9673.2	1400.9	9677.8	1400.9	9708.5	1401.6	9715.6	1401.4	9761.2
GR	1401.3	9766.1	1401.1	9775.2	1400.6	9799.1	1400.4	9804.0	1397.8	9836.5
GR	1397.8	9836.5	1400.0	9859.6	1400.5	9864.1	1400.4	9868.4	1400.2	9898.6
GR	1400.3	9905.1	1400.2	9932.5	1399.8	9933.3	1399.1	9940.3	1399.8	9953.4
GR	1400.2	9958.5	1400.2	9961.9	1400.1	9976.1	1398.9	9989.3	1397.7	10000.0
GR	1397.1	10021.1	1396.8	10033.0	1397.1	10034.8	1400.6	10048.9	1400.6	10050.6
GR	1400.8	10078.2	1399.6	10141.4	1399.5	10151.9	1399.7	10158.8	1400.9	10196.3
GR	1401.0	10213.6	1400.9	10226.7	1400.9	10243.7	1401.0	10296.5	1401.0	10301.1
GR	1400.7	10314.0	1400.2	10337.9	1401.7	10372.9	1401.7	10374.0	1401.5	10375.5
GR	1400.2	10387.9	1399.9	10393.4	1400.0	10427.4	1400.1	10428.4	1400.2	10431.7
GR	1400.6	10438.0	1401.0	10453.9	1401.5	10488.8	1401.7	10505.9	1401.8	10514.0
GR	1402.7	10522.1	1403.3	10529.5	1404.3	10537.4	1408.0	10581.9	1409.9	10597
NH	5	.055	9956.7	.09	10000.0	.028	10033.2	.09	10052.1	.055
NH	10948									
ET			7.4							
X1	4.273	66	9918.2	10052.1	350	600	500			
GR	1411.1	9684.3	1410.8	9691.8	1409.1	9721.9	1406.8	9735.6	1406.9	9741.6
GR	1406.4	9773.1	1406.4	9774.5	1406.1	9798.3	1406.4	9806.0	1406.3	9811.6
GR	1405.6	9904.8	1405.4	9911.5	1404.5	9918.2	1402.6	9932.6	1401.8	9942.3
GR	1401.7	9943.5	1402.3	9956.7	1402.8	9971.3	1403.6	9979.9	1402.4	9987.0
GR	1400.9	10000.0	1400.1	10029.8	1400.0	10033.2	1400.5	10037.2	1402.8	10052.1
GR	1403.4	10113.7	1403.7	10168.1	1404.7	10220.4	1404.9	10231.3	1404.8	10242.6
GR	1404.5	10260.6	1404.7	10274.5	1405.2	10312.5	1403.5	10339.9	1405.6	10347.6
GR	1405.5	10349.0	1404.3	10389.8	1404.4	10407.8	1404.6	10421.8	1404.1	10442.1
GR	1403.7	10460.4	1404.5	10499.0	1404.8	10517.4	1404.8	10528.5	1405.0	10533.2
GR	1404.8	10537.0	1404.4	10555.7	1404.0	10585.4	1403.7	10589.3	1403.8	10592.8
GR	1404.4	10599.3	1403.7	10614.1	1405.8	10691.0	1406.1	10698.5	1406.3	10707.8
GR	1406.4	10720.6	1406.8	10749.3	1407.0	10774.8	1407.2	10787.8	1407.1	10789.5
GR	1407.4	10791.7	1407.5	10798.1	1409.4	10855.2	1409.7	10870.7	1409.6	10928.5

```
GR  1409.7     10948

NH       5      .055     9960.5       .09     9975.0      .028    10000.0       .09    10027.8      .055
NH   10890
ET                             6.4
X1   4.368        56     9960.5    10027.8        420       500        500
GR  1419.9    9698.4     1419.7     9703.2     1417.6    9725.1     1415.6    9770.8     1415.6    9774.1
GR  1413.7    9821.6     1413.2     9832.6     1413.1    9844.5     1413.4    9865.1     1413.9    9888.1
GR  1413.9    9894.9     1414.4     9907.6     1414.0    9910.0     1408.1    9940.4     1407.4    9960.5
GR  1407.2    9967.1     1404.5     9975.0     1403.8    9977.6     1403.7    9984.0     1403.3   10000.0
GR  1404.9   10014.2     1407.1    10027.8     1406.9   10057.0     1407.0   10088.3     1408.0   10131.4
GR  1408.4   10152.8     1408.5    10180.7     1408.2   10249.9     1407.4   10260.0     1407.2   10262.6
GR  1407.2   10264.8     1407.2    10277.5     1407.2   10283.9     1407.1   10286.2     1407.4   10289.5
GR  1409.2   10321.1     1409.5    10342.3     1409.5   10342.4     1409.0   10376.5     1408.9   10394.9
GR  1408.9   10415.2     1408.7    10469.5     1408.7   10482.5     1408.7   10545.5     1408.7   10567.1
GR  1408.7   10611.5     1408.7    10648.5     1408.7   10672.3     1408.1   10687.4     1408.1   10693.6
GR  1408.2   10746.7     1408.7    10776.8     1408.5   10785.8     1408.8   10805.6        1410  10840.2
GR     1412  10890

NH       5      .055     9965.2       .09     9988.3      .028    10017.4       .09    10040.2      .055
NH   10998
ET                             9.4
X1   4.464        59     9965.2    10040.2        550       365        505
GR  1417.0    9659.3     1415.8     9665.1     1415.3    9674.2     1412.8    9737.5     1412.8    9737.8
GR  1412.8    9737.8     1412.8     9737.9     1412.8    9738.2     1411.9    9807.3     1411.4    9817.1
GR  1410.6    9833.9     1411.2     9846.8     1412.1    9862.9     1411.7    9879.2     1411.1    9896.3
GR  1410.5    9906.8     1409.4     9925.0     1409.4    9951.0     1409.4    9965.2     1408.1    9974.0
GR  1406.1    9988.3     1406.1    10000.0     1406.1   10017.4     1407.7   10027.0     1410.3   10040.2
GR  1410.9   10052.0     1410.0    10098.0     1410.0   10098.8     1410.5   10128.1     1410.6   10131.3
GR  1410.6   10136.8     1410.7    10179.3     1409.7   10197.7     1409.0   10221.0     1409.3   10225.4
GR  1409.1   10232.3     1409.5    10245.3     1411.1   10293.7     1411.7   10310.8     1411.7   10366.8
GR  1411.6   10409.1     1411.5    10468.7     1411.2   10510.8     1411.0   10572.7     1410.6   10636.8
GR  1410.7   10639.4     1410.6    10674.6     1410.8   10713.5     1410.6   10733.7     1410.5   10747.3
GR  1410.9   10772.6     1412.0    10846.6     1412.1   10880.3     1412.1   10913.7     1412.4   10951.3
GR  1412.8   10964.5     1415.1    10989.1     1415.5   10994.5     1415.7     10998

NH       5      .055     9973.1       .09    10000.0      .028    10028.2       .09    10051.5      .055
NH   10430
QT       2      4555       4555
ET                             6.4
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   4.541        46     9973.1    10051.5        390       300        406
GR  1418.4    9476.0     1417.8     9488.0     1417.0    9506.2     1415.3    9559.1     1414.5    9603.3
GR  1414.4    9609.1     1414.3     9613.8     1414.1    9626.5     1413.3    9670.8     1413.0    9683.2
GR  1412.5    9704.9     1411.9     9721.9     1412.9    9745.9     1413.0    9758.7     1412.8    9775.1
GR  1412.3    9784.2     1413.1     9807.5     1413.3    9813.5     1413.2    9814.0     1412.0    9835.9
GR  1411.7    9854.5     1411.4     9882.6     1411.2    9889.3     1411.1    9894.6     1411.4    9903.4
GR  1411.8    9909.6     1412.2     9954.9     1412.2    9973.1     1410.1    9988.5     1408.9   10000.0
GR  1408.6   10015.0     1408.3    10028.2     1410.9   10049.7     1411.1   10051.5     1411.8   10074.0
GR  1411.9   10078.6     1412.0    10087.8     1412.8   10121.6     1412.7   10176.8     1412.7   10178.6
GR  1412.7   10181.5     1413.0    10242.5     1412.6     10270     1412.7     10300       1414     10360
GR     1416  10430
```

```
NH      7      .055     9972.9      .09     9995.3      .028    10020.8      .09    10040.1      .028
NH  10065       .09    10083.8      .055    10202.4
ET                      9.4
X1  4.635        42     9972.9     10065        450       515        495
GR  1421.6     9485.1   1418.1     9515.8     1416.7    9527.5     1416.7    9530.3   1417.6     9596.6
GR  1417.9     9617.7   1416.7     9651.0     1416.1    9669.5     1416.3    9685.3   1416.7     9710.8
GR  1416.3     9728.8   1416.0     9734.3     1415.6    9743.6     1415.1    9753.7   1415.1     9757.6
GR  1415.6     9772.7   1415.6     9793.3     1416.1    9869.3     1416.1    9872.9   1415.5     9903.0
GR  1415.1     9911.5   1415.1     9919.5     1415.6    9972.6     1415.6    9972.7   1415.6     9972.9
GR  1411.2     9995.3   1411.6     9999.6     1414.1    10020.8    1413.7    10024.7  1412.5     10040.1
GR  1412.4     10042.7  1412.2     10045.3    1412.3    10046.3    1414.4    10065    1414.1     10083.8
GR  1413.9     10087.5  1413.9     10094.1    1414.3    10132.4    1416.2    10141.6  1417.3     10149.2
GR  1418.4     10160.8  1422.6     10202.4

NH      5      .055     9943.6      .09     9965.4      .028    10010.4      .09    10025.3      .055
NH  10396
ET                      4.4
X1  4.731        52     9943.6     10025.3      400       550        505
GR  1424.3     9586.0   1424.4     9588.3     1424.4    9591.2     1423.9    9593.0   1421.7     9614.1
GR  1421.2     9624.2   1421.5     9640.4     1421.5    9653.5     1422.7    9677.0   1422.7     9678.1
GR  1422.7     9678.9   1419.7     9705.3     1419.8    9711.4     1419.9    9714.2   1419.9     9717.2
GR  1419.8     9739.0   1419.4     9753.6     1418.9    9774.1     1418.9    9774.6   1418.9     9774.8
GR  1419.4     9788.1   1419.1     9809.5     1419.2    9859.0     1419.2    9901.3   1419.4     9924.8
GR  1419.4     9943.6   1417.7     9952.3     1414.6    9965.4     1414.4    10000.0  1414.4     10010.4
GR  1414.9     10012.8  1417.8     10025.3    1417.6    10038.4    1417.5    10076.9  1417.7     10082.1
GR  1416.9     10095.6  1416.7     10113.0    1418.4    10148.8    1418.8    10157.9  1418.9     10161.5
GR  1418.6     10169.7  1418.5     10178.4    1418.3    10181.9    1421.2    10228.8  1421.7     10237.0
GR  1421.6     10239.3  1420.6     10296.8    1420.8    10338.7    1422.6    10373.8  1422.7     10374.6
GR  1423.3     10380.7  1425.0     10396

NH      5      .055     9959.3      .09     9974.2      .028    10012.1      .09    10067.7      .055
NH  10369
ET                7.1                                           9956.0    10369
ET                      4.4
        ENCROACHMENT (ET RECORD) USED TO BLOCK OUT INEFFECTIVE FLOW AREA
        FOR FLOODPLAIN ANALYSIS (FILE:DGWH6).FOR EQUAI CONVEYANCE FLOODWAY
        (ET RECORD-METHOD 4) THE GR PTS WERE DELETED OUTSIDE INEFF. BYD.
        TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA.
X1  4.827        21     9959.3     10067.7      450       560        505
GR  1428.3     9902.1   1429.3     9926.3     1429.4    9929.3     1429.8    9956.0   1428.1     9959.3
GR  1418.5     9974.2   1418.5     10000.0    1418.6    10012.1    1420.5    10027.9  1421.3     10035.8
GR  1420.3     10067.7  1419.9     10081.8    1419.9    10097.4    1421.0    10163.1  1421.6     10175.1
GR  1424.3     10246.2  1424.2     10255.5    1424.4    10263.9    1424.2    10323.2  1424.3     10342.1
GR  1424.4     10369

NH      5      .055     9993.2      .09     10000.0     .028    10024.3      .09    10037.8      .055
NH  10463
ET                7.1                                           9875.6    10463
ET                      9.4
```

```
        PER SECTION 4.827 COMMENTS, GR PTS OUTSIDE INEFF. AREA ENCROACHMENT
        WERE DELETED TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA
X1    4.918       31     9993.2    10075.8      500      370      480
GR   1431.7   9875.6     1431.5    9876.8    1430.4   9881.5   1425.5   9899.7   1424.9   9902.4
GR   1424.5   9905.3     1424.3    9914.5    1424.1   9951.9   1424.9   9981.5   1424.9   9990.4
GR   1424.0   9993.2     1421.1   10000.0    1420.9  10009.3   1420.6  10024.3   1422.0  10036.0
GR   1422.3  10037.8     1422.8   10058.4    1422.8  10059.2   1422.9  10060.3   1424.4  10075.8
GR   1423.7  10117.5     1423.5   10124.0    1423.5  10139.3   1423.3  10198.8   1425.4  10231.3
GR   1427.3  10264.8     1427.0   10307.8    1426.8  10324.3   1426.9  10372.0   1426.7  10442.3
GR   1427.2  10463

NH         5     .055     9983.6       .09    9999.5     .028  10024.8       .09  10043.2      .055
NH     10567
ET                         10.4
X1    5.011       39     9983.6    10043.2      525      390      490
GR   1434.2   9692.0     1430.2    9722.8    1428.7   9752.4   1428.3   9760.2   1428.2   9768.2
GR   1427.5   9808.1     1427.6    9824.4    1428.0   9839.9   1427.2   9870.8   1426.4   9884.7
GR   1426.7   9890.9     1427.0    9924.0    1426.9   9951.1   1426.7   9968.7   1427.1   9983.6
GR   1423.3   9999.5     1423.3    9999.6    1423.3  10000.0   1423.9  10024.8   1425.2  10031.5
GR   1427.0  10043.2     1426.8   10126.7    1426.7  10134.2   1426.7  10136.6   1426.9  10139.3
GR   1428.3  10161.2     1428.9   10258.0    1428.9  10259.0   1428.9  10259.4   1428.9  10260.6
GR   1428.9  10263.6     1430.5   10375.2    1430.4  10401.8   1430.0  10450.3   1430.0  10451.7
GR   1430.4  10482.3     1430.5   10504.5    1431.2  10537.3   1431.9  10567

NH         5     .055     9963.7       .09    9987.8     .028  10009.3       .09  10031.1      .055
NH     10153
ET                          6.4
X1    5.106       33     9963.7    10031.1      510      460      500
GR   1436.7   9554.0     1433.4    9592.7    1433.3   9593.2   1433.3   9595.5   1431.2   9677.7
GR   1430.5   9706.0     1430.1    9743.7    1429.8   9788.0   1430.2   9845.0   1430.1   9885.5
GR   1427.7   9908.6     1426.4    9916.0    1426.2   9927.3   1426.5   9930.3   1429.0   9939.6
GR   1428.9   9952.7     1428.8    9963.7    1427.9   9970.7   1425.8   9987.8   1425.8  10000.0
GR   1425.8  10009.3     1428.8   10027.1    1429.6  10031.1   1429.6  10047.4   1429.8  10058.6
GR   1430.0  10075.1     1429.7   10080.0    1430.5  10084.3   1430.4  10102.1   1430.6  10106.3
GR   1435.8  10148.9     1436.1   10151.9    1436.0    10153

NH         5     .055     9977.1       .09    9991.1     .028  10017.4       .09  10037.3      .055
NH     10186
ET                 7.1                                        9783.7    10186
ET                         8.4
        PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.
X1    5.201       24     9977.1    10037.3      510      490      500
GR   1434.9   9782.8     1435.0    9783.7    1434.5   9787.3   1430.9   9818.5   1432.0   9837.4
GR   1433.2   9853.2     1433.3    9866.0    1433.0   9889.6   1432.5   9977.1   1429.8   9991.1
GR   1428.9   9995.1     1428.9   10000.0    1428.4  10017.4   1429.7  10022.7   1431.3  10037.3
GR   1431.5  10042.5     1432.2   10052.2    1432.4  10057.4   1433.0  10076.6   1433.3  10080.4
GR   1437.7  10127.2     1438.6   10138.2    1439.7  10148.3   1443.1    10186

NH         5     .055     9976.8       .09    9996.5     .028  10024.0       .09  10042.3      .055
NH     10214
ET                 7.1                                        9745.9    10214
ET                          6.4
```

PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

X1	5.307	33	9976.8	10042.3	520	580	560			
GR	1438.4	9671.3	1438.4	9697.8	1438.4	9717.0	1438.4	9726.0	1438.4	9745.9
GR	1438.1	9807.5	1436.3	9860.0	1436.1	9866.8	1436.0	9868.6	1435.4	9876.9
GR	1435.3	9881.4	1435.3	9912.4	1435.6	9921.9	1435.5	9924.3	1435.6	9933.8
GR	1435.9	9976.8	1432.2	9996.5	1431.6	10000.0	1431.7	10006.2	1431.7	10019.4
GR	1432.9	10024.0	1436.1	10037.3	1436.1	10042.3	1436.1	10056.7	1437.2	10078.2
GR	1438.2	10098.4	1436.3	10142.0	1436.2	10147.6	1436.6	10157.5	1437.7	10163.6
GR	1440.0	10178.4	1441.6	10189.5	1444.5	10214				
NH	5	.055	9956.2	.09	9976.9	.028	10017.3	.09	10040.0	.055
NH	10269									
ET		7.1					9662.0	10269		
ET			10.4							
X1	5.414	57	9956.2	10040.0	525	565	565			
GR	1445.9	9211.1	1445.8	9215.7	1445.0	9231.6	1443.2	9265.1	1442.6	9272.3
GR	1442.0	9280.2	1443.7	9294.1	1444.6	9304.7	1445.3	9324.1	1444.8	9362.3
GR	1444.4	9371.0	1444.4	9397.3	1444.4	9398.1	1444.4	9398.2	1443.9	9418.2
GR	1444.1	9427.4	1444.1	9457.2	1444.6	9465.9	1444.5	9473.2	1444.4	9486.5
GR	1443.2	9500.5	1440.9	9533.1	1441.6	9555.9	1442.4	9591.2	1442.7	9611.3
GR	1443.7	9662.0	1442.9	9688.3	1441.9	9739.5	1441.7	9778.4	1441.6	9812.3
GR	1441.6	9817.6	1441.3	9824.6	1439.8	9857.3	1439.0	9868.8	1439.4	9903.9
GR	1439.7	9956.2	1437.4	9965.0	1436.1	9969.7	1436.1	9976.9	1435.9	9989.9
GR	1435.9	10000.0	1435.6	10013.8	1435.6	10017.3	1436.1	10020.7	1438.9	10040.0
GR	1439.6	10046.6	1439.8	10050.7	1442.5	10089.6	1442.8	10094.3	1442.8	10095.5
GR	1442.8	10133.6	1442.8	10133.7	1442.8	10134.2	1444.3	10193.7	1444.4	10195.3
GR	1445.9	10213.6	1450.4	10269						
NH	5	.055	9974.6	.09	9989.2	.028	10017.8	.09	10046.3	.055
NH	10353									
ET			10.4							
X1	5.518	37	9974.6	10046.3	525	550	550			
GR	1449.0	9797.1	1448.9	9811.8	1447.5	9836.7	1446.1	9858.3	1447.5	9883.3
GR	1447.7	9889.7	1447.6	9892.2	1446.2	9909.4	1446.2	9914.1	1442.2	9944.8
GR	1442.1	9946.0	1440.2	9965.9	1440.7	9974.6	1441.1	9983.8	1439.4	9989.2
GR	1439.2	10000.0	1438.6	10017.8	1440.0	10027.2	1443.9	10046.3	1443.0	10115.2
GR	1442.8	10123.8	1442.9	10125.8	1443.9	10150.7	1444.8	10179.5	1444.9	10185.0
GR	1444.9	10188.3	1443.0	10220.9	1442.6	10228.4	1443.2	10240.0	1442.2	10246.0
GR	1442.2	10248.6	1441.8	10273.6	1441.7	10276.5	1447.3	10327.1	1448.4	10337.9
GR	1450.3	10351.6	1450.4	10353						
NH	5	.055	9951.2	.09	9969.8	.028	10004.4	.09	10024.9	.055
NH	10125									
ET		7.1					9755.5	10125		
ET			9.4							
X1	5.626	43	9951.2	10024.9	520	565	570			
GR	1453.3	9523.1	1451.9	9550.0	1451.7	9562.1	1450.7	9583.9	1450.4	9597.9
GR	1447.5	9633.0	1447.3	9635.5	1447.2	9637.0	1447.0	9638.8	1444.9	9658.8
GR	1445.9	9665.2	1447.4	9677.2	1447.4	9686.9	1446.5	9727.6	1446.2	9732.7
GR	1446.7	9739.1	1446.9	9744.4	1448.5	9752.8	1448.9	9755.5	1448.6	9774.8
GR	1447.8	9836.1	1447.4	9840.6	1446.8	9848.9	1443.6	9895.2	1443.9	9918.6
GR	1444.0	9920.1	1446.3	9935.5	1445.9	9940.2	1445.6	9947.5	1445.0	9951.2
GR	1441.9	9969.8	1441.2	10000.0	1441.1	10002.7	1441.3	10004.4	1444.8	10024.9
GR	1445.3	10032.5	1445.9	10043.7	1444.5	10048.6	1442.5	10055.4	1443.0	10056.5

```
GR  1452.5   10109.2   1455.6   10122.2   1455.7   10125

NH     5      .055     9954.6     .09     9966.0     .028    10008.7     .09     10029.1     .055
NH  10228
QT     2      4150      4150
ET                      3.4
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1  5.732        20     9954.6   10012.7      540       560       560
GR  1456.9    9882.0   1454.7    9913.5   1451.5    9942.2    1450.0   9949.9   1448.8   9954.6
GR  1445.0    9966.0   1445.0    9978.4   1444.7   10000.0    1446.7  10008.7   1447.7  10012.7
GR  1447.5   10029.1   1447.1   10067.3   1447.7   10104.9    1448.3  10148.4   1451.0  10164.5
GR  1454.9   10191.0   1456.6   10200.4   1456.7   10202.9    1456.9  10211.0   1457.2    10228

NH     5      .055     9982.2     .09     9990.9     .028    10015.0     .09     10030.1     .055
NH  10258
ET                      9.4
X1  5.824        56     9982.2   10030.1      520       440       485
GR  1461.8    9575.0   1461.7    9575.7   1454.7    9604.0    1454.3   9607.6   1456.2   9639.7
GR  1458.8    9654.3   1458.2    9667.2   1455.8    9689.3    1454.4   9701.0   1452.9   9710.8
GR  1451.2    9721.4   1451.0    9722.4   1450.3    9731.0    1450.1   9750.9   1450.1   9754.6
GR  1450.1    9755.7   1450.2    9760.1   1450.0    9771.6    1450.0   9772.6   1450.1   9774.3
GR  1450.8    9783.9   1450.7    9817.0   1450.7    9825.6    1451.3   9839.1   1452.4   9867.6
GR  1452.5    9879.7   1454.2    9936.0   1454.1    9943.1    1453.0   9961.9   1453.0   9962.6
GR  1452.6    9967.7   1449.3    9982.2   1447.2    9990.9    1447.2  10000.0   1447.3  10015.0
GR  1449.3   10022.0   1450.9   10030.1   1450.7   10037.6    1450.5  10044.1   1450.2  10069.5
GR  1451.9   10091.4   1451.8   10101.0   1451.6   10117.8    1451.6  10118.5   1451.7  10120.8
GR  1451.5   10129.2   1451.9   10135.6   1452.9   10148.7    1454.2  10164.1   1455.5  10173.2
GR  1457.7   10192.1   1458.1   10196.9   1459.0   10214.1    1460.0  10230.0   1460.6  10256.7
GR  1460.6     10258

NH     5      .055     9979.6     .09     9992.8     .028    10015.4     .09     10031.4     .055
NH  10080
ET                     10.4
X1  5.934        52     9979.6   10031.4      600       660       580
GR  1462.0    9397.7   1461.5    9401.4   1460.8    9423.2    1460.6   9428.4   1460.6   9429.1
GR  1459.2    9437.5   1457.9    9446.8   1457.3    9454.4    1455.8   9462.3   1453.9   9494.0
GR  1454.0    9495.3   1454.0    9497.0   1454.5    9519.0    1454.8   9526.5   1454.8   9532.5
GR  1454.6    9544.9   1455.3    9575.4   1456.3    9596.3    1455.7   9611.5   1454.7   9637.5
GR  1455.0    9644.0   1455.7    9671.6   1455.6    9700.5    1455.3   9750.9   1455.1   9766.5
GR  1455.4    9784.0   1455.7    9804.2   1454.2    9851.5    1454.4   9856.6   1454.4   9860.4
GR  1453.6    9875.4   1453.1    9881.2   1454.0    9893.0    1454.3   9896.3   1453.9   9910.6
GR  1453.9    9910.8   1453.9    9910.9   1453.9    9911.3    1455.0   9942.3   1454.2   9970.8
GR  1453.9    9979.6   1453.4    9981.4   1450.5    9992.8    1450.4  10000.0   1450.0  10015.4
GR  1452.3   10022.3   1453.8   10031.4   1455.0   10036.7    1458.5  10060.4   1459.6  10069.7
GR  1460.4   10075.7   1460.7     10080

NH     5      .055     9977.7     .09     9992.6     .028    10021.1     .09     10079.7     .055
NH  10090
ET              7.1                                          9412.3    10090
ET                      7.4
```

X1	6.033	56	9977.7	10079.7	450	550	525			
GR	1469.5	9055.4	1465.1	9069.9	1463.8	9076.3	1461.8	9088.6	1461.7	9090.7
GR	1458.0	9185.5	1457.8	9189.9	1457.8	9190.7	1457.8	9208.4	1457.8	9221.7
GR	1457.8	9222.9	1460.0	9276.1	1460.0	9276.8	1460.0	9278.5	1460.5	9336.2
GR	1461.3	9356.9	1461.6	9384.4	1462.5	9412.3	1460.9	9467.8	1460.7	9475.5
GR	1460.6	9480.6	1460.3	9498.6	1459.4	9567.5	1459.4	9574.9	1459.4	9588.0
GR	1459.7	9626.7	1459.7	9661.6	1459.7	9677.3	1459.7	9705.3	1459.8	9745.3
GR	1459.8	9749.1	1461.1	9760.4	1461.6	9768.4	1462.4	9772.5	1464.1	9784.8
GR	1461.1	9795.9	1459.5	9803.4	1459.0	9838.1	1458.4	9874.0	1457.9	9898.2
GR	1457.8	9907.8	1457.7	9912.3	1457.5	9922.3	1456.7	9962.3	1458.6	9971.3
GR	1458.9	9972.7	1457.8	9977.7	1457.8	9979.7	1457.5	9980.3	1453.8	9992.6
GR	1453.6	10000.0	1453.1	10021.1	1454.7	10027.8	1468.9	10079.7	1469.3	10081.7
GR	1468.6	10090								
NH	5	.055	9925.9	.09	9970.4	.028	10006.0	.09	10010.2	.055
NH	10038									
ET		7.1					9645.2	10038		
ET			9.4							
X1	6.144	46	9925.9	10010.2	500	590	590			
GR	1477.6	9009.5	1476.1	9016.1	1474.2	9035.9	1473.2	9040.0	1472.8	9043.1
GR	1467.2	9086.2	1467.1	9104.4	1466.4	9168.0	1466.3	9197.3	1466.2	9206.5
GR	1465.8	9250.3	1464.8	9338.4	1464.9	9344.2	1464.9	9349.0	1465.2	9431.6
GR	1465.7	9534.4	1465.8	9557.2	1466.0	9595.0	1466.1	9645.2	1465.4	9661.6
GR	1464.2	9692.1	1463.9	9715.4	1463.6	9725.0	1463.9	9735.7	1464.2	9744.1
GR	1463.9	9759.1	1463.7	9771.3	1464.1	9793.5	1464.4	9818.9	1463.7	9847.0
GR	1463.2	9869.0	1462.3	9872.2	1461.1	9881.0	1461.1	9899.1	1461.0	9901.3
GR	1461.1	9907.1	1461.4	9912.3	1461.6	9925.9	1461.4	9951.5	1459.6	9963.1
GR	1458.3	9970.4	1457.4	10000.0	1457.2	10006.0	1457.5	10006.8	1458.5	10010.2
GR	1468.6	10038								
NH	5	.055	9945	.09	9955	.028	10000.0	.09	10040	.055
NH	10335									
ET			8.4							
X1	6.244	23	9945	10040	340	560	530			
GR	1472	9244	1470	9685	1468.5	9725	1468.5	9775	1469.4	9880
GR	1468	9925	1466	9945	1464	9952	1462	9955	1461.2	9960
GR	1461.2	9975	1462	9992	1462.5	10000.0	1464	10012	1466	10040
GR	1466.5	10140	1466	10175	1464	10210	1464	10245	1464	10270
GR	1466	10295	1468	10315	1470	10335				
NH	5	.055	9836.1	.09	9844.8	.028	10012.0	.09	10030.5	.055
NH	10543									
ET		7.1					9688.7	10298.1		
ET			16.4							
X1	6.364	48	9836.1	10030.5	650	460	635			
GR	1477.6	9688.7	1475.3	9694.6	1474.4	9699.1	1470.8	9717.9	1470.1	9769.8
GR	1469.6	9820.4	1469.4	9833.4	1468.4	9836.1	1466.3	9844.8	1466.7	9908.0
GR	1466.7	9909.8	1466.8	9912.1	1467.9	9970.4	1467.8	9974.1	1467.4	9979.6
GR	1467.3	9985.2	1466.8	9987.0	1465.8	9992.8	1465.9	10000.0	1465.6	10012.0
GR	1468.9	10030.5	1468.9	10030.8	1468.9	10033.4	1469.4	10067.2	1469.5	10073.9
GR	1470.1	10114.0	1470.3	10144.9	1470.0	10180.2	1469.9	10207.8	1472.7	10276.7
GR	1473.3	10298.9	1473.1	10305.9	1471.2	10331.7	1469.8	10358.5	1469.9	10361.8
GR	1469.8	10363.6	1468.7	10399.7	1467.4	10440.1	1466.3	10469.0	1467.8	10476.0
GR	1468.3	10479.0	1465.8	10485.4	1465.6	10485.9	1465.9	10487.7	1466.3	10489.7

GR	1471.9	10535.2	1472.2	10537.7	1472.3	10543				
NH	7	.055	9847.2	.09	9931.3	.028	9931.3	.09	9980.7	.028
NH	10045	.09	10071.7	.055	10699.7					
ET		7.1					9681.8	10303.0		
ET			16.4							
XI	6.480	57	9847.2	10071.7	675	520	610			
GR	1479.4	9681.8	1478.8	9687.2	1475.6	9705.2	1474.8	9729.9	1473.1	9804.5
GR	1472.8	9819.6	1472.4	9847.2	1471.2	9849.0	1469.4	9855.5	1469.4	9862.0
GR	1469.1	9888.1	1469.1	9894.2	1469.1	9919.4	1469.7	9931.3	1471.3	9940.8
GR	1471.0	9951.5	1471.1	9954.0	1470.8	9960.6	1470.8	9970.2	1470.3	9977.0
GR	1469.8	9980.7	1469.6	10000.0	1469.0	10031.1	1468.9	10041.2	1470.8	10045
GR	1471.8	10048.0	1471.9	10071.7	1471.7	10116.2	1471.7	10117.4	1471.6	10119.3
GR	1471.1	10135.3	1471.3	10140.7	1471.3	10142.0	1471.1	10150.5	1471.2	10154.6
GR	1472.4	10172.7	1473.2	10184.4	1473.5	10188.0	1475.0	10218.5	1475.3	10229.5
GR	1476.1	10266.5	1476.4	10282.7	1476.7	10303.0	1475.0	10328.3	1473.1	10360.7
GR	1476.3	10430.1	1476.8	10445.1	1477.4	10463.4	1476.0	10506.9	1475.5	10520.2
GR	1475.3	10534.0	1477.0	10585.8	1478.3	10624.1	1479.4	10655.0	1479.5	10674.2
GR	1479.5	10674.3	1479.2	10699.7						
NH	5	.055	9919.4	.09	9943.9	.028	10138.8	.09	10151.9	.055
NH	10696									
XI	6.585	52	9919.4	10151.9	565	475	555			
GR	1480.4	9778.4	1479.8	9787.1	1478.2	9802.0	1475.9	9878.3	1475.6	9886.3
GR	1475.6	9887.3	1476.1	9915.0	1475.5	9919.4	1472.5	9933.1	1473.0	9943.9
GR	1473.8	10000.0	1473.6	10010.1	1473.4	10016.7	1473.6	10044.4	1473.5	10061.8
GR	1473.4	10078.4	1473.4	10112.9	1473.4	10125.7	1473.3	10131.7	1473.3	10138.8
GR	1474.3	10140.5	1475.6	10143.4	1475.3	10151.9	1475.2	10158.2	1475.6	10192.8
GR	1475.7	10202.3	1475.7	10209.7	1475.8	10236.4	1475.0	10241.4	1475.0	10243.2
GR	1475.0	10251.8	1475.7	10257.2	1475.4	10260.7	1475.0	10267.5	1476.1	10277.1
GR	1477.5	10296.6	1479.2	10313.0	1479.3	10316.2	1479.4	10338.0	1479.5	10384.2
GR	1479.8	10390.3	1480.0	10439.7	1478.9	10490.2	1479.6	10527.9	1479.7	10540.5
GR	1479.9	10550.3	1480.3	10592.9	1480.4	10604.1	1480.9	10656.6	1481.0	10664.1
GR	1482.1	10693.3	1482.3	10696						
NH	5	.055	9972.8	.09	9995.7	.028	10124.0	.09	10139.2	.055
NH	10517									
ET		7.1					9581.4	10288.1		
ET			10.4							
XI	6.697	60	9972.8	10139.2	590	590	590			
GR	1486.3	9581.4	1485.2	9591.1	1485.6	9603.3	1485.7	9606.9	1482.4	9625.5
GR	1482.2	9626.5	1482.1	9627.0	1480.2	9636.7	1480.1	9638.7	1479.6	9686.4
GR	1479.4	9701.0	1479.4	9704.1	1477.9	9740.3	1477.8	9742.4	1477.9	9743.1
GR	1477.9	9745.8	1477.8	9750.2	1477.6	9770.4	1476.8	9792.5	1476.3	9801.7
GR	1476.6	9805.0	1476.7	9809.9	1476.7	9810.4	1476.7	9811.1	1475.9	9818.1
GR	1475.6	9823.5	1476.3	9829.7	1477.2	9836.5	1477.2	9843.4	1477.0	9911.7
GR	1478.1	9967.1	1478.3	9972.8	1476.5	9991.5	1475.9	9995.7	1475.8	9998.5
GR	1475.6	10000.0	1476.0	10003.6	1477.2	10023.7	1476.5	10096.3	1476.1	10124.0
GR	1477.7	10132.2	1479.4	10139.2	1480.0	10185.0	1480.3	10219.4	1480.4	10288.1
GR	1480.4	10313.0	1479.8	10315.6	1478.1	10325.6	1479.7	10337.1	1479.9	10339.1
GR	1479.9	10341.3	1479.9	10343.7	1480.4	10413.4	1480.6	10422.6	1481.5	10453.9
GR	1481.8	10460.7	1482.8	10480.7	1483.1	10485.9	1484.4	10508.6	1485.1	10517

```
NH      5      .055     9976.8      .09     9985.7      .028    10047.2      .09    10058.8      .055
NH  10871
ET             7.1                                             9672.5   10246.9
ET                      6.4
X1  6.801        94     9976.8  10058.8       550       580       550
GR 1484.7   9672.5    1483.8   9707.2    1483.3    9717.3    1480.9   9741.7    1480.8   9743.3
GR 1480.9   9743.3    1480.9   9744.8    1481.3    9745.9    1481.8   9756.7    1482.0   9761.8
GR 1481.7   9769.6    1481.5   9786.5    1481.4    9792.5    1481.3   9802.7    1481.1   9804.1
GR 1479.5   9807.7    1479.7   9810.9    1481.8    9844.2    1480.6   9886.1    1480.4   9893.4
GR 1481.5   9903.4    1481.7   9905.1    1481.5    9909.3    1480.8   9948.8    1481.1   9955.4
GR 1481.3   9963.3    1480.8   9973.1    1480.6    9976.8    1479.2   9981.0    1477.3   9985.7
GR 1477.5  10000.0    1477.2  10031.1    1477.6   10031.3    1477.6  10037.1    1477.8  10047.2
GR 1478.2  10048.9    1478.7  10051.3    1480.6   10058.8    1480.7  10060.7    1480.9  10060.9
GR 1480.8  10060.9    1480.7  10060.9    1480.8   10061.6    1481.0  10063.8    1480.7  10086.8
GR 1480.8  10129.2    1481.3  10151.8    1481.3   10153.9    1481.3  10157.8    1480.8  10180.0
GR 1480.7  10187.0    1480.7  10194.8    1480.7   10216.5    1481.5  10234.1    1482.4  10246.9
GR 1481.8  10249.8    1481.6  10255.1    1481.9   10276.4    1479.9  10295.3    1478.7  10318.6
GR 1480.8  10331.8    1482.0  10339.4    1482.0   10359.3    1482.1  10363.0    1481.8  10366.9
GR 1480.7  10379.2    1480.7  10379.7    1480.8   10381.0    1481.8  10394.3    1481.9  10398.8
GR 1482.1  10401.6    1482.1  10403.6    1482.7   10432.3    1483.2  10465.6    1483.4  10472.2
GR 1483.1  10497.2    1483.1  10517.5    1483.6   10540.7    1483.3  10620.0    1483.3  10624.1
GR 1483.4  10625.4    1485.0  10661.4    1486.0   10684.5    1487.3  10718.1    1487.1  10734.4
GR 1487.7  10741.8    1487.7  10745.4    1487.7   10763.9    1488.6  10790.9    1488.7  10794.4
GR 1488.6  10795.9    1488.6  10797.0    1488.5   10814.0    1488.0  10871

NH      5      .055     9948.7      .09     9965.5      .028    10008.3      .09    10040.3      .055
NH  10711
QT      2     3750       3750
ET             7.1                                             9719.2   10476.1
ET                     12.4
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1  6.908        67     9948.7  10040.3       620       475       565
GR 1493.3   9719.2    1492.6   9723.1    1492.2    9726.0    1486.7   9757.0    1486.1   9785.5
GR 1485.3   9808.5    1485.5   9820.8    1485.2    9845.0    1486.0   9882.3    1486.1   9888.4
GR 1486.0   9888.6    1486.0   9892.3    1486.0    9909.3    1485.5   9913.7    1484.0   9922.0
GR 1484.6   9928.5    1484.2   9945.8    1484.1    9948.7    1482.3   9959.5    1481.3   9965.5
GR 1481.3  10000.0    1481.3  10004.4    1481.3   10008.3    1484.7  10040.3    1485.2  10045.1
GR 1485.3  10056.6    1485.3  10103.9    1485.3   10117.6    1484.7  10130.0    1484.7  10143.9
GR 1485.2  10176.7    1485.3  10180.1    1485.1   10187.3    1484.7  10207.2    1485.1  10213.6
GR 1485.1  10217.8    1484.0  10230.1    1484.3   10236.4    1484.4  10240.7    1483.6  10249.7
GR 1483.3  10251.4    1484.1  10274.8    1484.9   10311.8    1485.6  10354.0    1485.9  10372.9
GR 1486.1  10377.1    1486.2  10382.8    1486.8   10421.4    1487.9  10476.1    1487.9  10477.1
GR 1487.7  10481.2    1486.2  10512.7    1487.3   10541.4    1487.3  10542.5    1486.7  10556.2
GR 1485.7  10564.1    1485.3  10568.3    1485.3   10571.6    1485.7  10590.8    1486.3  10594.7
GR 1486.9  10599.1    1487.3  10627.9    1487.3   10631.7    1487.5  10635.2    1488.2  10645.2
GR 1492.0  10702.5    1492.0    10711

NH      5      .055     9934.4      .09     9965.9      .028    10031.1      .09    10033.7      .055
NH  10731
ET             7.1                                             9713.5   10347.9
ET                      5.4
```

X1	7.012	59	9934.4	10033.7	550	490	550			
GR	1491.9	9713.5	1490.7	9724.6	1490.0	9736.3	1490.0	9743.8	1489.7	9752.8
GR	1488.9	9762.4	1488.7	9763.8	1488.6	9766.8	1488.9	9772.5	1489.3	9788.0
GR	1488.7	9797.4	1487.4	9827.6	1487.3	9829.2	1487.3	9829.7	1487.3	9837.9
GR	1488.0	9848.5	1488.4	9858.5	1488.4	9863.9	1488.1	9877.4	1487.3	9915.6
GR	1487.1	9927.5	1487.2	9934.4	1485.0	9954.1	1484.7	9957.7	1484.4	9965.9
GR	1483.8	9989.3	1483.8	10000.0	1485.0	10024.2	1485.3	10031.1	1485.6	10033.7
GR	1489.3	10070.7	1489.3	10126.1	1489.1	10163.1	1488.8	10195.7	1488.6	10205.8
GR	1488.6	10231.2	1488.2	10285.0	1487.8	10297.0	1487.1	10301.0	1487.5	10301.8
GR	1488.7	10325.6	1489.2	10338.2	1489.4	10347.9	1489.3	10362.3	1489.3	10392.8
GR	1489.3	10430.7	1489.3	10469.0	1488.1	10486.3	1488.0	10488.1	1489.0	10500.9
GR	1489.8	10511.8	1490.8	10548.6	1491.9	10573.6	1492.4	10587.3	1491.7	10629.6
GR	1491.8	10644.9	1491.9	10653.2	1491.8	10710.2	1492.0	10731		
NH	5	.055	10000.0	.09	10025.0	.028	10062.0	.09	10075.1	.055
NH	10929									
ET			16.4							
X1	7.130	60	10000.0	10075.1	630	605	625			
GR	1500.9	9859.6	1498.7	9874.6	1498.1	9879.2	1494.6	9903.0	1491.9	9918.3
GR	1491.9	9918.3	1490.5	9923.9	1490.0	9925.4	1490.2	9926.3	1493.0	9940.0
GR	1493.3	9958.8	1493.5	9970.3	1493.3	9982.4	1492.9	10000.0	1489.4	10013.5
GR	1486.7	10025.0	1486.9	10035.8	1487.6	10062.0	1490.0	10075.1	1492.0	10088.9
GR	1492.8	10106.1	1494.4	10133.8	1494.1	10149.3	1494.1	10197.1	1493.6	10263.1
GR	1494.0	10317.1	1494.1	10328.4	1493.8	10347.9	1493.0	10399.0	1493.3	10425.0
GR	1493.3	10451.4	1493.3	10462.6	1492.9	10485.5	1492.7	10501.3	1492.8	10503.3
GR	1493.3	10506.6	1493.8	10528.1	1494.0	10541.4	1495.0	10555.6	1497.3	10594.2
GR	1497.9	10623.4	1497.7	10633.7	1497.5	10639.1	1496.7	10678.0	1496.5	10695.0
GR	1496.8	10704.4	1497.0	10723.3	1497.3	10744.9	1497.7	10782.3	1497.9	10801.4
GR	1498.0	10815.3	1498.0	10833.0	1497.7	10851.6	1498.0	10859.7	1498.0	10885.4
GR	1498.1	10888.9	1498.7	10908.5	1499.2	10924.1	1499.3	10928.3	1499.4	10929
NH	5	.055	9964.7	.09	9982.2	.028	10004.6	.09	10020.5	.055
NH	10639									
ET			10.4							
X1	7.232	57	9964.7	10020.5	540	540	540			
GR	1503.0	9641.6	1502.6	9645.1	1502.5	9646.2	1499.2	9657.8	1498.8	9662.5
GR	1496.6	9683.8	1496.2	9688.6	1495.1	9703.2	1494.8	9707.0	1494.8	9707.9
GR	1496.0	9711.7	1496.0	9713.5	1495.5	9716.9	1495.6	9734.7	1496.0	9755.3
GR	1496.0	9756.4	1495.9	9757.0	1495.3	9766.5	1495.3	9767.0	1496.0	9775.9
GR	1496.3	9790.0	1497.1	9817.5	1497.1	9844.0	1497.2	9923.5	1497.3	9926.2
GR	1497.0	9934.5	1496.7	9945.9	1496.0	9964.7	1494.1	9970.4	1490.0	9982.2
GR	1490.0	10000.0	1489.8	10004.6	1491.2	10008.5	1495.8	10020.5	1495.3	10032.0
GR	1494.7	10054.6	1495.3	10068.5	1496.0	10076.0	1496.7	10097.3	1497.2	10112.3
GR	1497.3	10117.9	1497.1	10160.2	1497.0	10195.0	1497.0	10226.4	1496.3	10304.8
GR	1496.2	10326.5	1496.4	10336.4	1496.7	10370.3	1497.5	10437.2	1497.6	10450.4
GR	1497.4	10490.4	1497.3	10491.9	1497.3	10495.1	1498.5	10534.1	1499.1	10574.6
GR	1499.8	10614.0	1500.1	10639						
NH	5	.055	9986.1	.09	10000.0	.028	10066.7	.09	10086.1	.055
NH	10438									
ET		7.1					9687.0	10438		
ET			12.4							

```
X1    7.337      59    9986.1   10086.1     555      555      555
GR   1506.0  9279.1   1504.0    9294.0  1502.8   9298.4   1501.3  9313.7  1501.3  9314.2
GR   1501.3  9337.2   1500.0    9377.8  1499.4   9412.1   1499.3  9418.0  1499.4  9431.8
GR   1500.0  9487.5   1499.3    9502.3  1499.3   9502.4   1499.3  9502.5  1500.2  9574.1
GR   1500.7  9620.3   1500.8    9626.6  1501.7   9660.6   1502.3  9687.0  1502.2  9708.9
GR   1502.2  9715.4   1500.2    9745.4  1499.4   9752.4   1499.5  9762.3  1499.7  9786.1
GR   1500.5  9808.7   1500.7    9820.5  1500.0   9866.0   1499.5  9892.2  1499.2  9912.2
GR   1498.0  9927.7   1498.0    9928.2  1498.1   9929.7   1499.2  9945.8  1499.4  9949.7
GR   1499.2  9955.8   1499.0    9969.9  1498.7   9984.1   1498.0  9986.1  1492.7  10000.0
GR   1493.7 10041.5   1494.0   10052.1  1495.7  10066.7   1498.3 10086.1  1498.7  10114.2
GR   1499.2 10149.3   1499.3   10152.7  1499.3  10159.8   1498.8 10174.0  1499.8  10198.0
GR   1500.0 10203.4   1499.8   10218.8  1499.8  10296.7   1500.4 10333.7  1501.4  10365.8
GR   1501.7 10384.6   1501.8   10396.6  1502.4  10423.6   1502.6 10438

NH         5    .055   9972.4       .09  10000.0     .028  10058.0     .09 10084.1     .055
NH     10236
ET                     15.4
X1    7.448      54    9972.4   10084.1     585      600      585
GR   1507.6  9181.0   1507.3    9205.4  1507.0   9234.8   1506.0  9292.7  1505.4  9321.7
GR   1504.6  9369.8   1504.5    9394.3  1504.5   9402.9   1504.5  9410.7  1504.8  9435.1
GR   1504.9  9437.2   1504.9    9469.8  1505.3   9525.9   1504.9  9531.8  1504.0  9543.4
GR   1503.7  9547.7   1504.0    9559.1  1504.1   9566.2   1504.3  9580.5  1504.2  9589.6
GR   1504.7  9621.9   1504.8    9631.7  1503.8   9662.5   1503.3  9678.7  1503.4  9683.6
GR   1504.0  9729.1   1504.7    9754.9  1505.3   9777.8   1504.0  9795.5  1503.0  9812.3
GR   1503.3  9838.7   1503.3    9858.0  1502.7   9898.1   1502.8  9909.3  1502.0  9962.5
GR   1502.0  9972.4   1498.1    9995.3  1497.3  10000.0   1497.3 10008.5  1497.1  10026.7
GR   1497.0 10037.2   1496.7   10058.0  1501.3  10084.1   1501.8 10089.5  1501.6  10104.4
GR   1501.4 10115.4   1503.3   10147.1  1503.3  10147.3   1503.3 10147.6  1503.8  10159.7
GR   1506.2 10191.8   1507.3   10226.2  1507.3  10230.2   1507.4 10236

NH         5    .055   9980.0       .09  10000.0     .028  10028.6     .09 10050.8     .055
NH     10464
ET                     5.4
        AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
        BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
X1    7.562      53    9980.0   10050.8     540      630      600
GR   1509.6  9659.8   1509.3    9672.0  1509.0   9683.5   1508.3  9732.4  1508.0  9785.5
GR   1507.9  9797.0   1508.5    9836.9  1508.5   9842.5   1508.4  9862.4  1507.6  9897.7
GR   1505.1  9946.2   1505.0    9953.4  1504.7   9965.2   1505.0  9969.9  1504.7  9980.0
GR   1502.7  9988.8   1499.3   10000.0  1500.0  10027.0   1500.0 10027.8  1500.0  10027.9
GR   1500.2 10028.6   1504.7   10050.8  1504.7  10051.5   1504.4 10065.2  1504.4  10068.0
GR   1504.2 10082.5   1504.0   10087.0  1504.0  10110.4   1504.0 10111.8  1504.0  10112.2
GR   1504.0 10123.3   1504.7   10143.0  1504.7  10144.4   1504.7 10149.9  1504.7  10179.8
GR   1505.4 10190.9   1506.6   10222.1  1506.2  10229.8   1505.8 10237.2  1504.8  10252.6
GR   1505.2 10260.9   1506.6   10283.3  1506.3  10295.8   1507.8 10322.8  1508.1  10325.9
GR   1510.1 10344.9   1510.7   10366.5  1511.7  10390.0   1513.3 10401.2  1514.3  10429.8
GR   1514.7 10445.7   1514.7   10448.2  1515.6  10464

NH         5    .055   9975.7       .09  9989.0      .028  10025.7     .09 10046.8     .055
NH     10870
ET                7.1                                     9604.9  10201.0
ET                       12.4
```

X1	7.666	86	9975.7	10046.8	550	580	550			
GR	1513.7	9604.9	1512.7	9620.0	1513.0	9637.3	1512.5	9676.3	1512.0	9707.0
GR	1512.0	9723.8	1512.0	9736.8	1511.8	9743.5	1509.8	9784.9	1509.7	9795.6
GR	1509.0	9821.3	1507.3	9878.9	1507.3	9879.1	1507.3	9879.1	1507.3	9879.3
GR	1506	9895.0	1506	9901.1	1506.6	9919.4	1506.2	9932.1	1505.0	9947.4
GR	1505.3	9955.8	1505.8	9963.5	1506.7	9975.7	1505.4	9982.2	1502.7	9989.0
GR	1502.4	10000.0	1502.6	10019.7	1502.7	10022.9	1503.4	10025.7	1508.0	10046.8
GR	1507.3	10060.4	1506.9	10069.5	1508.5	10086.7	1508.7	10089.2	1508.6	10093.3
GR	1508.0	10110.3	1508.0	10128.0	1508.2	10144.9	1510.7	10201.0	1510.7	10201.4
GR	1510.7	10201.5	1510.0	10251.9	1510.0	10260.0	1509.4	10317.0	1509.2	10320.9
GR	1509.2	10322.0	1509.2	10332.0	1508.6	10340.6	1507.8	10361.1	1508.5	10366.8
GR	1508.7	10367.4	1508.6	10368.5	1508.5	10369.0	1506.7	10379.1	1507.2	10383.0
GR	1508.0	10390.5	1508.4	10402.6	1509.5	10429.7	1510.2	10454.5	1510.9	10489.6
GR	1510.9	10494.1	1509.7	10514.7	1508.7	10539.0	1507.7	10546.4	1507.3	10547.9
GR	1508.8	10556.4	1509.2	10558.1	1509.3	10559.1	1509.9	10587.6	1510.2	10603.0
GR	1509.8	10609.7	1509.3	10620.2	1510.1	10634.9	1511.1	10646.6	1511.2	10655.0
GR	1511.7	10682.6	1511.8	10699.0	1511.9	10709.6	1512.6	10730.2	1512.9	10772.3
GR	1512.7	10781.5	1512.7	10799.2	1513.1	10811.1	1513.3	10825.7	1513.8	10848.7
GR	1514.7	10870								
NH	5	.055	9961.8	.09	9983.5	.028	10047.1	.09	10078.7	.055
NH	10749									
ET		7.1					9885.7	10353.2		
ET			13.4							
X1	7.770	60	9961.8	10078.7	550	510	550			
GR	1513.3	9885.7	1512.1	9906.8	1510.8	9920.7	1510.8	9922.8	1510.7	9924.7
GR	1510.7	9930.8	1511.1	9961.8	1507.3	9975.9	1505.6	9983.5	1505.7	9985.3
GR	1504.9	10000.0	1504.9	10008.3	1504.9	10021.3	1504.9	10026.8	1505.3	10035.3
GR	1505.3	10047.1	1505.6	10055.9	1507.5	10066.7	1510.5	10078.7	1510.8	10090.8
GR	1511.3	10111.4	1511.3	10125.1	1512.0	10146.0	1512.1	10167.5	1512.2	10185.7
GR	1512.4	10200.1	1512.9	10212.1	1513.4	10234.3	1513.9	10250.4	1514.1	10253.7
GR	1514.0	10261.6	1514.4	10307.4	1515.2	10353.2	1515.2	10364.8	1515.1	10372.3
GR	1514.4	10405.9	1513.0	10452.7	1512.6	10466.6	1512.3	10471.0	1511.3	10497.8
GR	1511.3	10505.5	1512.3	10524.7	1512.1	10536.7	1511.3	10548.7	1511.7	10568.8
GR	1512.0	10583.0	1512.5	10606.9	1512.8	10614.1	1512.9	10618.5	1512.9	10622.1
GR	1512.4	10633.0	1512.2	10651.8	1512.0	10654.7	1512.4	10660.0	1513.1	10669.6
GR	1513.4	10678.2	1513.8	10683.3	1513.7	10728.6	1513.8	10736.9	1514.0	10749
NH	5	.055	9980.2	.09	10000.0	.028	10030.3	.09	10052.7	.055
NH	10959									
X1	7.883	56	9980.2	10052.7	610	550	595			
GR	1520.6	9913.1	1515.0	9951.5	1514.0	9964.4	1511.1	9980.2	1508.7	10000.0
GR	1508.7	10028.6	1508.7	10030.0	1508.7	10030.3	1508.9	10031.4	1514.3	10052.7
GR	1514.7	10080.4	1514.5	10104.6	1513.1	10115.1	1511.0	10137.4	1510.7	10141.4
GR	1511.5	10147.0	1513.2	10158.3	1513.3	10178.3	1513.2	10182.9	1513.2	10184.0
GR	1513.2	10188.2	1514.7	10227.6	1515.1	10231.4	1515.3	10235.4	1515.3	10255.2
GR	1516.7	10306.3	1517.2	10324.6	1517.0	10360.9	1517.2	10380.2	1517.4	10403.9
GR	1518.0	10450.1	1517.6	10476.0	1518.0	10536.9	1518.2	10554.8	1517.9	10556.5
GR	1517.8	10561.9	1517.3	10579.2	1517.0	10584.1	1516.7	10587.3	1517.9	10609.6
GR	1518.1	10617.6	1518.3	10623.8	1518.3	10642.7	1518.4	10653.0	1517.9	10683.5
GR	1517.6	10706.5	1517.5	10720.4	1516.9	10753.8	1516.4	10771.4	1516.8	10782.1
GR	1518.3	10828.0	1518.5	10840.3	1519.1	10863.2	1519.4	10901.7	1519.7	10932.4
GR	1520.0	10959								

```
NH       7      .055     9936.4      .09     9964.0      .028    10023.0      .09    10041.8      .055
NH   10427      .028    10450.8      .055    10876
ET                        5.4
X1   7.988        65     9936.4   10041.8       555       550       555
GR  1522.8    9833.6     1521.8    9838.6    1518.0    9857.4    1518.0    9860.3    1516.8    9865.6
GR  1516.0    9903.8     1515.7    9916.8    1515.6    9931.7    1516.4    9933.4    1516.1    9936.4
GR  1515.0    9949.5     1514.4    9964.0    1513.5   10000.0    1513.3   10023.0    1515.6   10031.0
GR  1519.9   10041.8     1519.1   10062.8    1518.3   10067.7    1516.7   10082.8    1517.7   10098.0
GR  1519.5   10126.0     1520.0   10136.2    1519.6   10172.7    1517.4   10234.7    1517.3   10236.1
GR  1517.2   10237.7     1516.6   10268.2    1516.7   10284.0    1516.7   10285.1    1516.7   10285.5
GR  1516.8   10311.1     1518.2   10348.0    1519.2   10376.8    1519.2   10379.4    1519.1   10394.7
GR  1516.0   10421.9     1515.3     10427    1515.3   10431.7    1514.9   10450.8    1518.0   10467.3
GR  1518.7   10470.5     1518.7   10470.8    1518.7   10471.3    1518.7   10502.8    1518.9   10510.0
GR  1520.6   10542.0     1520.6   10552.7    1520.2   10567.6    1519.6   10588.3    1519.3   10598.3
GR  1520.0   10616.3     1521.0   10653.3    1520.9   10674.0    1521.0   10698.2    1520.9   10728.4
GR  1520.9   10740.1     1520.3   10761.5    1520.0   10762.1    1520.3   10779.2    1520.7   10800.8
GR  1520.7   10829.7     1520.7   10830.3    1520.9   10845.9    1520.9   10855.5    1521.0     10876

NH       9      .055     9977.8      .09     9985.3      .028    10005.9      .09    10031.8      .055
NH   10241       .09    10271.1      .028    10303.3       .09    10319.0      .055   10642.2
QT       2      3345      3345
ET                       10.4
     AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
     BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
     INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   8.092        61     9977.8   10031.8       525       690       550
GR  1525.9    9761.6     1523.7    9778.6    1522.6    9790.8    1520.5    9813.7    1520.5    9818.6
GR  1520.5    9827.1     1520.5    9834.1    1520.5    9837.9    1520.5    9854.8    1520.5    9870.8
GR  1520.5    9875.7     1520.5    9885.7    1520.5    9886.1    1521.3    9919.0    1521.3    9919.3
GR  1521.3    9919.5     1521.7    9938.2    1521.9    9949.8    1521.6    9956.3    1520.7    9972.4
GR  1519.1    9977.8     1516.7    9985.3    1516.7   10000.0    1516.7   10001.4    1517.3   10005.9
GR  1521.6   10031.8     1522.7   10078.4    1522.7   10078.9    1522.7   10079.7    1522.7   10081.4
GR  1522.5   10118.8     1522.5   10126.5    1522.2   10139.2    1521.6   10169.5    1522.2   10186.2
GR  1522.7   10196.9     1522.8   10203.3    1522.5   10215.6    1522.2     10241    1519.8   10266.5
GR  1519.3   10271.1     1518.8   10284.3    1518.1   10303.3    1521.2   10319.0    1521.3   10319.8
GR  1521.3   10322.8     1521.5   10349.0    1522.0   10387.8    1522.7   10440.8    1523.1   10463.6
GR  1523.1   10488.0     1522.8   10527.8    1522.9   10540.2    1522.5   10549.2    1522.4   10556.1
GR  1522.0   10563.3     1522.0   10568.0    1522.6   10580.7    1522.7   10583.3    1522.7   10587.3
GR  1523.1   10642.2

NH       5      .055     9956.2      .09     9971.4      .028    10000.4      .09    10015.6      .055
NH   10747
ET                        7.1                                                9937.5   10449.2
ET                        6.4
X1   8.196        54     9956.2   10015.6       550       550       550
GR  1533.5    9937.5     1533.2    9940.5    1532.0    9944.4    1526.3    9956.2    1520.8    9969.5
GR  1520.0    9971.4     1519.9    9973.6    1519.3   10000.0    1519.4   10000.4    1525.2   10015.6
GR  1524.7   10033.2     1524.7   10036.0    1524.3   10039.4    1524.1   10061.2    1524.7   10068.3
GR  1524.7   10075.0     1525.1   10090.6    1522.8   10103.8    1521.3   10110.8    1521.5   10113.2
GR  1523.1   10130.6     1525.8   10155.9    1526.5   10207.8    1526.6   10217.3    1526.7   10221.1
GR  1526.4   10228.6     1525.0   10271.0    1524.7   10274.0    1524.1   10290.2    1524.0   10293.2
GR  1524.1   10295.1     1524.8   10306.9    1524.3   10319.4    1524.0   10328.6    1524.3   10335.0
GR  1525.3   10363.5     1525.3   10371.3    1525.8   10404.2    1526.1   10419.7    1526.7   10449.2
```

```
GR  1526.7   10451.2   1526.7   10452.0   1526.4   10455.9   1524.7   10477.2   1524.9   10479.3
GR  1526.0   10492.5   1526.6   10570.8   1526.7   10582.2   1526.9   10592.2   1528.3   10671.7
GR  1529.8   10713.6   1530.2   10724.0   1530.3   10727.7   1531.2     10747

NH     5       .055    9965.5      .09    9985.7      .028   10013.5      .09   10041.3      .055
NH 10700
ET             7.1                                           9905.0   10369.3
ET                       9.4
X1  8.301        50    9965.5   10041.3      565       470       555
GR  1535.3   9905.0   1534.1    9910.7   1533.9    9913.7   1528.0    9940.1   1527.7    9948.5
GR  1527.3   9965.5   1523.8    9981.0   1522.6    9985.7   1522.3   10000.0   1522.0   10013.5
GR  1525.9  10031.2   1527.9   10041.3   1527.9   10075.0   1528.0   10078.1   1528.1   10082.0
GR  1528.7  10124.0   1528.6   10143.6   1528.0   10202.9   1528.0   10206.0   1527.9   10208.3
GR  1526.0  10251.9   1526.7   10264.7   1529.3   10300.4   1529.6   10306.3   1529.7   10312.7
GR  1530.1  10369.3   1529.6   10411.0   1529.4   10417.0   1528.7   10422.6   1529.2   10424.0
GR  1527.3  10435.4   1527.7   10441.1   1529.0   10454.8   1528.8   10471.9   1528.8   10478.9
GR  1528.0  10481.4   1527.3   10487.0   1527.4   10488.9   1528.7   10505.9   1528.6   10507.4
GR  1528.7  10511.0   1528.7   10515.3   1528.9   10518.0   1530.5   10584.6   1530.6   10591.1
GR  1530.8  10596.9   1531.3   10607.2   1534.0   10663.1   1535.1   10680.0   1535.4     10700

NH     5       .055    9973.5      .09   10000.0      .028   10026.8      .09   10046.9      .055
NH 10556
ET             7.1                                           9645.9   10369.3
        AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE
        BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.
X1  8.407        67    9973.5   10046.9      590       500       560
GR  1536.9   9645.9   1535.0    9663.0   1533.5    9678.0   1532.0    9689.1   1531.5    9702.9
GR  1531.5   9717.2   1531.5    9725.1   1531.5    9726.4   1531.5    9728.3   1531.5    9734.0
GR  1531.5   9748.1   1531.5    9750.7   1531.5    9751.0   1531.5    9753.5   1531.5    9757.9
GR  1531.5   9763.5   1531.5    9768.4   1531.5    9780.1   1531.5    9784.8   1531.5    9787.0
GR  1531.5   9790.3   1531.5    9794.7   1531.5    9796.7   1531.5    9813.3   1531.5    9825.2
GR  1531.7   9857.8   1532.1    9866.7   1531.9    9876.1   1531.3    9901.8   1530.7    9929.8
GR  1529.8   9936.4   1528.9    9942.2   1530.4    9955.2   1530.7    9959.8   1530.7    9960.8
GR  1530.8   9962.7   1531.0    9973.5   1528.4    9987.0   1526.2   10000.0   1526.7   10020.0
GR  1526.7  10026.8   1528.2   10032.5   1531.1   10046.9   1531.2   10059.6   1531.3   10126.8
GR  1531.4  10135.4   1531.5   10140.5   1532.7   10177.5   1533.0   10214.0   1533.2   10245.0
GR  1533.4  10258.8   1534.2   10270.8   1534.7   10283.9   1535.8   10311.5   1535.9   10350.5
GR  1535.9  10356.5   1535.6   10360.2   1533.7   10409.4   1533.6   10419.7   1533.4   10435.8
GR  1533.1  10458.7   1532.9   10465.6   1531.5   10470.5   1531.3   10471.4   1533.8   10517.6
GR  1534.1  10521.0   1537.0     10556

NH     5       .055    9979.8      .09   10000.0      .028   10047.8      .09   10057.2      .055
NH 10149
X1  8.524        37    9971.5   10057.2      550       625       620
GR  1538.3   9352.3   1538.2    9374.6   1537.3    9405.0   1537.5    9422.3   1537.6    9445.2
GR  1537.6   9483.0   1538.0    9506.2   1538.2    9520.8   1539.0    9547.3   1538.0    9567.4
GR  1536.3   9601.7   1534.8    9671.4   1534.7    9676.6   1534.8    9678.9   1536.0    9771.7
GR  1535.9   9775.8   1534.7    9824.3   1535.2    9847.7   1535.4    9851.3   1535.2    9853.1
GR  1535.1   9914.6   1535.0    9937.4   1534.9    9958.0   1534.7    9971.5   1533.6    9979.8
GR  1529.8  10000.0   1530.2   10026.5   1530.0   10038.3   1531.7   10047.8   1534.0   10057.2
GR  1535.3  10072.7   1536.7   10089.8   1536.7   10094.5   1537.0   10104.3   1538.7   10125.2
GR  1538.6  10134.7   1539.3     10149
```

NH	5	.055	9944.9	.09	9964.1	.028	10014.4	.09	10046.6	.055
NH	10070									
X1	8.634	24	9944.9	10046.6	540	600	580			
GR	1544.0	9614.6	1543.0	9623.6	1541.9	9638.7	1541.0	9648.8	1540.0	9667.7
GR	1539.4	9679.6	1539.1	9687.9	1537.0	9736.8	1537.9	9758.1	1538.7	9782.0
GR	1538.7	9838.3	1538.4	9890.7	1538.6	9907.0	1538.0	9944.7	1538.0	9944.8
GR	1538.0	9944.9	1533.3	9964.1	1533.3	9965.0	1532.7	10000.0	1536.4	10014.4
GR	1536.7	10015.4	1536.8	10016.1	1538.5	10046.6	1543.5	10070		
NH	5	.055	9962.6	.09	9981.1	.028	10008.8	.09	10034.2	.055
NH	10489									
X1	8.736	44	9962.6	10034.2	530	540	540			
GR	1547.8	9755.8	1546.2	9767.4	1544.5	9777.2	1543.9	9793.9	1543.2	9804.2
GR	1543.4	9807.3	1542.5	9823.5	1539.3	9899.9	1540.9	9933.2	1541.3	9943.5
GR	1541.0	9946.1	1541.1	9948.7	1540.7	9962.6	1537.6	9973.1	1535.5	9981.1
GR	1535.5	10000.0	1535.5	10008.8	1537.2	10016.1	1540.7	10034.2	1540.7	10078.4
GR	1540.6	10098.1	1540.6	10101.0	1540.0	10114.9	1540.0	10128.0	1540.0	10136.0
GR	1540.5	10142.3	1541.6	10163.7	1540.9	10193.5	1540.7	10210.7	1540.7	10215.6
GR	1541.3	10236.4	1541.4	10241.2	1542.0	10276.4	1542.2	10283.1	1545.8	10329.3
GR	1545.9	10332.6	1545.4	10363.2	1545.3	10401.2	1545.3	10411.0	1545.1	10415.5
GR	1544.3	10435.6	1544.3	10442.3	1544.7	10461.6	1544.7	10489		
NH	5	.055	9966.6	.09	9980.5	.028	10027.2	.09	10038.6	.055
NH	10691									
ET			14.4							
X1	8.840	44	9966.6	10038.6	550	550	550			
GR	1551.0	9693.6	1550.9	9695.6	1548.7	9712.3	1547.2	9720.1	1546.4	9725.1
GR	1544.2	9788.4	1544.0	9793.3	1544.0	9795.7	1544.7	9848.0	1544.7	9848.4
GR	1544.7	9848.9	1542.0	9898.4	1543.5	9944.1	1543.8	9959.1	1542.6	9966.6
GR	1540.0	9980.5	1539.2	10000.0	1538.7	10014.7	1540.8	10027.2	1542.8	10038.6
GR	1542.7	10087.7	1542.7	10090.8	1542.8	10094.1	1542.9	10110.7	1548.4	10178.0
GR	1548.7	10181.3	1548.7	10183.0	1548.2	10222.5	1548.2	10239.4	1548.0	10258.5
GR	1547.7	10270.7	1547.0	10300.6	1546.9	10334.6	1547.2	10343.8	1547.1	10361.5
GR	1547.1	10416.4	1546.9	10425.9	1546.6	10482.9	1546.6	10485.7	1546.8	10498.6
GR	1547.1	10556.6	1547.3	10595.5	1547.6	10666.6	1547.6	10691		
NH	5	.055	9923.8	.09	9938.8	.028	10081.3	.09	10103.3	.055
NH	10559									
X1	8.948	61	9923.8	10103.3	540	590	570			
GR	1549.3	9716.6	1548.4	9724.4	1548.5	9727.7	1548.4	9743.0	1548.3	9763.3
GR	1547.4	9780.6	1546.7	9804.7	1546.8	9811.9	1546.6	9814.7	1546.0	9829.6
GR	1546.2	9833.0	1546.9	9845.6	1547.1	9849.1	1547.0	9857.6	1546.6	9867.8
GR	1545.8	9879.4	1545.8	9888.3	1545.4	9902.9	1546.1	9909.3	1547.1	9923.8
GR	1543.4	9938.8	1543.3	9939.3	1543.3	9970.6	1543.3	9972.1	1542.7	10000.0
GR	1542.7	10015.2	1543.5	10022.4	1544.1	10030.8	1544.4	10035.0	1544.8	10051.4
GR	1544.1	10059.9	1543.1	10066.4	1543.3	10072.8	1543.3	10081.3	1544.6	10095.5
GR	1545.3	10103.3	1545.2	10107.0	1545.3	10125.3	1545.4	10138.1	1545.4	10141.3
GR	1546.7	10160.0	1546.7	10162.9	1547.1	10183.2	1547.6	10194.8	1548.2	10203.9
GR	1548.3	10214.5	1548.7	10227.4	1548.9	10233.4	1548.7	10255.3	1548.8	10267.0
GR	1548.8	10274.3	1549.1	10297.3	1549.1	10324.7	1549.4	10343.6	1549.1	10363.6
GR	1549.1	10381.7	1548.7	10395.1	1548.7	10414.7	1549.2	10473.3	1550.0	10535.5
GR	1550.0	10559								

```
NH       5      .055    9967.3      .09    9978.4      .028   10022.8      .09   10036.7      .055
NH   10637
ET                       5.4
X1   9.053        73    9967.3   10036.7       550       570       555
GR  1555.8    9628.3    1554.9    9642.3    1552.6    9671.2    1552.0    9676.4    1552.0    9682.5
GR  1551.7    9721.6    1550.9    9732.2    1550.7    9736.8    1550.9    9741.4    1551.7    9747.1
GR  1551.7    9754.9    1552.0    9760.1    1552.5    9775.5    1554.0    9791.2    1554.1    9792.2
GR  1554.3    9795.5    1554.0    9798.3    1553.0    9816.1    1552.6    9825.1    1551.8    9854.9
GR  1551.9    9860.5    1550.7    9930.0    1550.6    9941.4    1549.9    9955.8    1549.3    9967.3
GR  1547.8    9978.4    1546.6    9986.0    1546.4   10000.0    1546.4   10022.8    1547.7   10036.7
GR  1548.0   10050.2    1548.4   10058.3    1548.9   10079.7    1548.7   10086.3    1548.7   10092.6
GR  1548.7   10100.4    1548.7   10143.8    1549.0   10178.5    1549.3   10216.4    1549.3   10228.5
GR  1548.2   10248.5    1548.1   10251.4    1548.7   10271.0    1548.7   10274.4    1550.7   10299.4
GR  1550.7   10299.5    1551.8   10307.1    1552.5   10315.7    1552.7   10321.8    1552.8   10328.4
GR  1553.3   10349.5    1553.3   10351.2    1553.8   10353.9    1553.5   10370.4    1553.9   10415.0
GR  1553.9   10425.1    1554.0   10426.6    1553.9   10433.8    1553.9   10437.4    1553.6   10463.5
GR  1553.8   10477.5    1554.0   10488.7    1553.8   10494.8    1553.6   10506.7    1554.3   10537.5
GR  1554.3   10568.1    1553.3   10595.6    1553.0   10600.5    1553.1   10606.8    1553.8   10622.0
GR  1553.9   10625.3    1554.1   10628.6    1554.2    10637

NH       9      .055    9855.0      .09    9867.7      .028    9877.6      .09    9888.3      .055
NH  9967.0       .09    9985.3     .028   10016.2       .09   10038.3     .055     10715
ET                       9.4
X1   9.158        52    9975.7   10026.9       555       530       555
GR  1566.7    9794.8    1561.8    9811.8    1552.9    9837.8    1553.0    9846.1    1553.1    9851.5
GR  1552.3    9855.0    1550.7    9867.7    1550.6    9870.0    1550.0    9877.6    1552.7    9888.3
GR  1553.8    9892.1    1553.6    9897.6    1553.0    9910.7    1552.7    9915.0    1552.7    9916.1
GR  1552.9    9918.0    1554.0    9932.1    1553.9    9945.4    1553.5    9967.0    1553.5    9975.7
GR  1551.4    9980.5    1549.4    9985.3    1549.3   10000.0    1549.3   10012.8    1550.1   10016.2
GR  1553.3   10026.9    1553.3   10038.3    1553.3   10038.7    1553.4   10040.7    1554.0   10063.2
GR  1554.0   10109.0    1554.0   10122.0    1553.9   10135.0    1553.8   10139.0    1553.7   10142.0
GR  1553.5     10145    1553.5     10155    1553.7     10160    1553.7     10265    1552.9     10270
GR  1552.9     10275    1553.3     10280    1553.3     10285    1552.9     10295    1552.9     10300
GR  1553.3     10310      1554     10350      1554     10380    1553.5     10390      1554     10400
GR    1556     10615      1558     10715

NH       7      .055    9927.4      .09    9957.2      .028   10010.7      .09   10029.2      .055
NH   10162      .028   10182.8     .055   11080.4
QT       2      2943      2943
ET               7.1                                          9871.0   10358.2
ET                      10.4
      100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
      HEC-1 MODEL I.D. NO.=C89.  (D.A.=18.60 SQ. MI.)
X1   9.262        70    9927.4   10029.2       550       550       550
GR  1558.9    9871.0    1557.3    9880.5    1556.9    9896.1    1556.7    9908.5    1556.7    9922.4
GR  1556.1    9927.4    1552.8    9947.0    1552.7    9948.2    1552.8    9957.2    1553.3   10000.0
GR  1555.3   10010.7    1556.2   10015.1    1556.6   10023.4    1556.7   10029.2    1556.0   10054.7
GR  1556.0   10070.7    1556.6   10079.2    1557.3   10084.6    1556.9   10094.7    1557.0   10128.0
GR  1556.6   10159.5    1556.3     10162    1554.7   10171.0    1554.7   10177.5    1554.7   10182.8
GR  1555.4   10187.5    1556.7   10195.0    1556.7   10244.2    1556.7   10248.1    1556.7   10248.7
GR  1556.6   10249.9    1556.3   10268.8    1557.0   10281.9    1557.1   10287.0    1557.4   10294.7
GR  1557.5   10336.8    1557.4   10344.3    1557.4   10351.5    1557.6   10358.2    1557.6   10366.0
GR  1557.5   10370.4    1556.8   10458.5    1556.6   10459.4    1556.0   10467.6    1556.7   10478.0
```

GR	1556.7	10478.6	1556.7	10480.8	1557.6	10573.5	1557.1	10622.3	1557.4	10659.3
GR	1557.3	10668.0	1557.2	10669.8	1556.7	10677.8	1556.8	10680.2	1557.3	10688.8
GR	1557.5	10710.9	1557.6	10756.7	1557.7	10772.5	1558.6	10806.0	1559.0	10818.7
GR	1559.0	10836.5	1559.3	10860.5	1559.0	10895.7	1559.1	10941.3	1559.3	10977.2
GR	1559.7	10984.8	1561.1	11030.6	1561.3	11039.2	1561.4	11045.0	1561.9	11080.4
NH	7	.055	9956.2	.09	9970.5	.028	10019.9	.09	10071.9	.028
NH	10098	.09	10111.7	.055	11129.2					
ET		7.1					9586.1	10274.6		
ET			5.4							
XI	9.375	89	9956.2	10056.5	650	510	595			
GR	1562.7	9586.1	1561.7	9597.7	1561.4	9599.3	1561.1	9611.7	1560.2	9647.2
GR	1559.8	9651.1	1558.8	9664.2	1559.2	9669.8	1560.0	9674.5	1560.2	9705.7
GR	1560.1	9718.7	1559.9	9740.3	1559.9	9743.4	1559.9	9746.8	1559.8	9753.0
GR	1559.7	9771.4	1560.1	9785.9	1560.1	9798.3	1559.5	9812.4	1559.1	9821.9
GR	1559.9	9846.3	1560.1	9849.5	1560.0	9852.6	1559.7	9879.9	1559.3	9893.2
GR	1559.8	9913.3	1560.0	9924.2	1559.9	9932.5	1559.3	9956.2	1558.4	9962.3
GR	1556.9	9970.5	1556.0	9980.7	1556.0	10000.0	1556.0	10019.9	1556.5	10022.9
GR	1557.8	10031.2	1557.8	10031.8	1557.3	10036.6	1559.2	10048.2	1559.6	10056.5
GR	1559.4	10066.2	1559.3	10071.8	1559.2	10071.9	1556.6	10087.1	1556.6	10089.5
GR	1556.6	10098	1558.0	10105.2	1559.3	10111.7	1559.4	10119.9	1559.3	10140.8
GR	1559.5	10175.4	1559.4	10183.5	1559.3	10188.0	1559.4	10195.1	1560.4	10274.6
GR	1559.8	10315.3	1559.7	10333.5	1559.3	10354.3	1558.8	10365.2	1558.7	10366.1
GR	1558.7	10366.6	1559.0	10371.1	1559.3	10376.2	1559.3	10376.8	1559.3	10422.7
GR	1560.5	10475.3	1560.6	10486.0	1560.7	10495.0	1560.2	10524.6	1560.6	10649.9
GR	1560.6	10666.3	1560.6	10671.4	1560.6	10679.6	1560.5	10695.1	1560.4	10730.8
GR	1560.8	10768.3	1560.9	10801.9	1561.6	10838.6	1562.4	10908.0	1562.7	10922.4
GR	1562.7	10924.3	1562.3	10946.6	1562.0	10960.1	1561.3	10976.5	1561.1	10990.9
GR	1562.5	10998.8	1562.9	11003.6	1563.0	11054.5	1563.2	11129.2		
NH	7	.055	9889.1	.09	9903.9	.028	9924.3	.09	9975.5	.028
NH	10019	.09	10031.1	.055	10800.1					
ET			10.4							
XI	9.481	86	9900.9	10031.1	535	580	560			
GR	1568.7	9386.1	1567.3	9399.3	1566.2	9427.1	1565.7	9442.4	1564.3	9477.4
GR	1563.5	9510.7	1563.3	9512.1	1562.9	9518.9	1563.4	9524.4	1564.0	9536.5
GR	1563.5	9548.0	1563.3	9572.7	1564.0	9581.9	1564.1	9621.6	1564.1	9661.0
GR	1563.7	9701.8	1564.5	9758.8	1564.8	9780.1	1564.8	9782.2	1564.6	9789.1
GR	1564.3	9794.2	1562.7	9864.8	1562.3	9866.9	1560.2	9877.7	1560.0	9887.1
GR	1560.0	9889.1	1562.6	9900.9	1559.9	9903.9	1560.0	9913.3	1560.0	9924.3
GR	1561.0	9928.2	1562.4	9934.3	1562.8	9949.2	1562.0	9974.5	1562.0	9975.1
GR	1561.9	9975.5	1558.8	9984.6	1558.4	10000.0	1558.0	10019	1559.6	10024.5
GR	1562.7	10031.1	1562.7	10049.0	1562.7	10077.2	1561.6	10083.5	1560.0	10087.9
GR	1561.3	10096.5	1563.3	10106.5	1563.3	10113.4	1563.1	10123.6	1562.4	10130.9
GR	1561.8	10136.2	1562.4	10165.2	1562.6	10171.6	1562.9	10189.5	1563.4	10297.1
GR	1563.3	10313.9	1563.3	10316.1	1564.7	10345.2	1564.6	10369.9	1564.4	10381.5
GR	1564.4	10389.6	1565.4	10410.4	1565.9	10417.6	1566.0	10421.7	1566.6	10496.6
GR	1566.6	10502.8	1566.5	10505.0	1565.2	10539.7	1565.8	10549.0	1566.8	10566.5
GR	1566.8	10599.8	1566.8	10616.1	1565.3	10635.2	1565.3	10659.0	1565.3	10659.3
GR	1566.6	10667.8	1566.8	10670.6	1567.0	10676.0	1567.2	10695.6	1567.8	10705.2
GR	1568.0	10717.0	1568.0	10724.3	1568.0	10725.3	1568.1	10728.0	1568.1	10744.9
GR	1568.7	10800.1								

```
NH      10      .055    9814.3      .09    9824.2     .028    9839.6     .055    9882.5      .09
NH  9987.3      .028   10015.3      .09   10037.4     .028   10057.5      .09   10071.6     .055
NH  10300
ET                      12.4
X1  9.585        95    9814.3   10071.6      510      550      550
GR  1571.1    9333.5    1570.5    9347.0    1570.1    9358.7    1569.6    9379.9    1568.7    9398.1
GR  1568.7    9400.1    1568.8    9403.9    1568.6    9421.7    1568.3    9450.0    1568.1    9462.2
GR  1568.2    9472.0    1568.2    9475.0    1568.1    9479.1    1568.0    9492.7    1567.3    9497.1
GR  1566.7    9499.5    1567.2    9504.2    1567.3    9505.3    1566.9    9517.6    1566.7    9524.2
GR  1567.1    9527.6    1568.0    9534.2    1567.7    9551.1    1567.9    9577.5    1566.6    9587.3
GR  1566.0    9594.2    1568.4    9605.8    1568.4    9607.0    1566.7    9617.4    1567.4    9620.0
GR  1568.2    9623.1    1568.0    9634.0    1567.4    9675.8    1566.5    9679.6    1565.2    9683.0
GR  1565.5    9685.3    1567.2    9693.9    1567.1    9714.1    1566.9    9754.3    1566.1    9765.5
GR  1566.0    9767.5    1566.3    9769.6    1567.3    9776.4    1568.0    9813.0    1568.0    9814.2
GR  1567.9    9814.3    1563.3    9824.2    1563.3    9833.0    1563.4    9834.6    1564.6    9839.6
GR  1566.0    9846.0    1566.3    9858.2    1566.8    9875.2    1566.8    9882.5    1566.3    9920.2
GR  1567.2    9945.1    1567.2    9946.8    1567.3    9948.2    1567.2    9949.9    1565.4    9963.7
GR  1565.3    9964.5    1565.4    9965.7    1566.1    9970.2    1566.0    9974.5    1565.7    9984.6
GR  1564.9    9987.3    1563.5    9997.6    1562.9   10000.0    1562.7   10009.9    1562.7   10015.2
GR  1563.5   10015.3    1564.7   10023.7    1564.7   10024.3    1564.0   10037.4    1563.2   10040.2
GR  1562.8   10041.1    1562.7   10041.2    1562.7   10042.0    1562.0   10057.2    1562.1   10057.5
GR  1564.6   10065.4    1566.7   10071.6    1566.7   10071.8    1566.7   10075.4    1566.0   10134.8
GR  1565.6   10140.2    1565.2   10141.6    1565.4   10142.9    1566.4   10146.5    1567.1   10200.4
GR  1567.2   10211.1    1567.6   10220.0    1568.7   10259.0    1568.8   10264.1    1570.7    10300

NH       5      .055    9945.1      .09    9995.1     .028   10037.2      .09   10048.2     .055
NH  10636
ET                      11.4
X1  9.691        94    9945.1   10048.2      460      600      560
GR  1579.0    9298.7    1579.0    9300.5    1578.2    9303.9    1578.0    9307.9    1576.7    9331.6
GR  1576.6    9332.0    1576.4    9332.4    1576.0    9340.9    1574.9    9356.1    1574.1    9394.5
GR  1573.0    9415.9    1572.4    9453.6    1571.9    9514.3    1571.4    9545.8    1570.1    9550.2
GR  1571.4    9550.3    1571.0    9557.1    1571.5    9558.2    1571.2    9563.7    1571.3    9584.2
GR  1570.9    9586.3    1571.5    9591.5    1571.9    9607.8    1572.1    9631.8    1570.0    9638.5
GR  1570.1    9640.1    1571.5    9652.9    1571.6    9656.1    1571.5    9672.4    1570.9    9816.1
GR  1570.9    9818.4    1570.9    9818.4    1570.9    9818.7    1570.4    9826.9    1570.4    9827.9
GR  1570.2    9830.3    1571.1    9840.3    1570.9    9876.0    1571.1    9945.1    1570.7    9974.6
GR  1568.3    9995.1    1567.9    9997.9    1567.9   10000.0    1566.7   10037.2    1570.6   10045.7
GR  1572.0   10048.2    1570.7   10102.0    1570.2   10130.6    1570.5   10138.0    1570.3   10165.2
GR  1570.0   10189.3    1569.4   10191.1    1569.8   10198.7    1570.4   10201.5    1570.0   10211.7
GR  1570.0   10219.7    1569.1   10225.6    1568.7   10229.9    1568.9   10231.2    1569.8   10235.0
GR  1569.8   10244.8    1570.0   10251.6    1569.2   10254.2    1568.7   10258.1    1569.0   10259.2
GR  1570.6   10264.2    1570.6   10267.9    1570.0   10288.7    1569.3   10296.0    1569.3   10296.6
GR  1569.9   10299.5    1569.9   10300.6    1569.9   10307.0    1569.5   10326.7    1569.9   10333.3
GR  1570.1   10336.1    1570.1   10336.3    1570.2   10338.5    1571.1   10349.8    1572.7   10372.6
GR  1572.7   10375.8    1572.7   10383.8    1572.9   10406.8    1571.9   10418.4    1571.0   10429.0
GR  1572.3   10441.2    1572.9   10448.1    1573.3   10470.7    1573.7   10491.2    1574.0   10507.1
GR  1576.8   10545.5    1578.0   10562.7    1577.7   10575.7    1577.8     10636
```

```
NH       5      .055     9958.7       .09     9973.9       .028    10034.5       .09    10071.4       .055
NH   10853
ET                       9.4
      CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
      CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
      GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
      SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
      PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
      THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
      INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
      ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
      WHEN INSPECTED BY A-N WEST IN NOV.,1992.
      THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
      GRADE WITH THE WASH.
X1    9.765       84     9958.7   10071.4       350       350       390
GR   1583.3   9526.3   1583.2    9529.3   1581.2    9558.9   1580.4    9568.1   1575.2    9617.9
GR   1574.7   9625.4   1574.7    9642.0   1573.7    9676.6   1573.2    9696.8   1573.1    9702.8
GR   1572.7   9731.2   1572.1    9741.9   1572.0    9742.7   1572.1    9743.2   1572.7    9747.8
GR   1572.7   9753.8   1573.2    9766.2   1573.1    9771.2   1573.1    9818.1   1573.3    9849.9
GR   1573.3   9863.0   1573.8    9904.3   1573.7    9914.8   1573.9    9924.0   1572.5    9935.2
GR   1571.8   9935.5   1572.0    9940.5   1573.9    9956.8   1574.0    9957.5   1574.0    9958.7
GR   1573.9   9959.1   1570.5    9973.9   1569.1   10000.0   1569.4   10027.4   1569.3   10031.1
GR   1569.0  10034.5   1572.4   10047.3   1572.7   10049.9   1573.2   10071.4   1572.2   10170.0
GR   1572.1  10183.5   1572.1   10197.4   1571.9   10209.2   1571.2   10301.5   1571.3   10311.8
GR   1571.3  10333.4   1571.3   10363.8   1570.9   10370.2   1570.5   10371.7   1571.0   10380.1
GR   1571.3  10380.9   1571.5   10394.2   1572.0   10436.9   1571.8   10439.1   1570.7   10450.1
GR   1570.9  10454.0   1571.3   10461.2   1571.3   10481.6   1571.3   10487.2   1571.3   10488.0
GR   1571.2  10493.9   1571.2   10537.7   1571.4   10538.2   1572.0   10548.0   1571.9   10557.2
GR   1572.0  10575.6   1572.0   10616.2   1572.2   10617.3   1573.1   10634.3   1574.0   10647.3
GR   1574.0  10648.2   1574.2   10656.3   1574.2   10662.9   1574.5   10675.7   1575.7   10723.8
GR   1575.4  10739.6   1576.9   10766.3   1577.1   10773.0   1576.8   10784.6   1576.7   10789.3
GR   1578.0  10804.0   1578.5   10813.7   1579.2   10829.6   1580.0   10853

NH       5      .055     9921.2       .09     9944.5       .028    10001.6       .09    10037.1       .055
NH   10825
ET                       10.4
X1    9.783       90     9921.2   10020.9        92.8      92.8      94.8
GR   1580.8   9521.6   1580.1    9536.4   1579.4    9563.6   1578.5    9571.6   1577.1    9582.7
GR   1575.8   9609.3   1575.3    9626.2   1575.0    9638.5   1577.0    9643.7   1577.5    9652.0
GR   1577.0   9654.3   1577.0    9655.4   1576.4    9657.0   1574.7    9661.4   1574.6    9666.7
GR   1574.3   9673.4   1574.0    9683.5   1574.0    9684.3   1573.9    9689.8   1573.3    9724.3
GR   1573.3   9756.9   1573.2    9763.6   1573.3    9765.5   1573.4    9801.9   1574.0    9832.5
GR   1574.7   9916.8   1574.7    9921.2   1574.7    9929.8   1574.2    9938.7   1572.0    9944.5
GR   1572.2   9948.7   1571.8   10000.0   1572.0   10001.5   1572.0   10001.6   1574.2   10010.8
GR   1574.3  10016.5   1574.5   10020.9   1574.1   10037.1   1574.0   10048.6   1573.3   10082.8
GR   1573.3  10098.8   1573.2   10105.1   1572.7   10130.6   1572.8   10131.9   1572.7   10132.9
GR   1572.7  10167.2   1572.7   10168.1   1572.7   10180.3   1572.2   10204.2   1572.0   10238.7
GR   1571.9  10299.0   1571.7   10300.2   1571.8   10301.6   1571.9   10307.6   1572.0   10316.4
GR   1571.9  10366.4   1571.8   10372.5   1571.8   10384.6   1571.8   10412.8   1571.9   10415.1
GR   1571.8  10468.9   1572.0   10476.7   1571.8   10480.1   1571.8   10492.0   1571.8   10496.3
GR   1571.8  10568.4   1571.8   10572.3   1571.8   10574.9   1572.0   10578.5   1572.0   10595.4
GR   1572.0  10622.1   1572.0   10627.2   1572.0   10627.5   1573.8   10647.9   1574.1   10650.5
GR   1574.0  10655.4   1574.0   10655.5   1574.0   10656.6   1575.0   10690.4   1574.7   10701.8
```

GR	1574.7	10703.3	1575.0	10721.7	1576.9	10746.0	1577.4	10751.4	1577.9	10756.6
GR	1579.3	10774.0	1579.3	10774.2	1579.4	10780.9	1579.0	10804.5	1580.0	10825
NH	5	.055	9981.7	.09	9991.6	.028	10020.6	.09	10033.9	.055
NH	11184									
ET		7.1					9724.5	10947.1		
ET			9.4							
X1	9.888	94	9981.7	10033.9	510	580	555			
GR	1582.3	9724.5	1581.3	9738.3	1579.1	9766.0	1577.2	9789.5	1577.1	9803.9
GR	1575.9	9877.1	1576.0	9880.7	1576.4	9889.7	1577.3	9961.7	1577.5	9981.7
GR	1575.1	9986.4	1573.2	9991.6	1573.5	10000.0	1574.0	10020.6	1575.5	10026.0
GR	1577.6	10033.9	1577.1	10094.2	1576.9	10110.5	1576.8	10116.5	1576.2	10148.0
GR	1576.0	10150.3	1575.5	10160.3	1575.8	10165.8	1576.0	10167.3	1576.0	10169.8
GR	1575.3	10203.9	1575.3	10204.7	1575.3	10205.9	1576.0	10248.8	1575.9	10254.0
GR	1575.8	10261.2	1575.5	10270.9	1575.4	10285.7	1575.1	10318.2	1575.2	10372.8
GR	1575.2	10391.4	1575.2	10393.8	1574.9	10395.3	1574.0	10399.0	1574.3	10400.9
GR	1575.0	10405.0	1574.7	10442.8	1574.4	10475.6	1573.9	10479.5	1573.4	10482.9
GR	1574.2	10492.8	1574.7	10495.0	1574.7	10498.2	1574.7	10505.3	1574.7	10508.2
GR	1574.7	10527.4	1573.7	10534.9	1573.7	10537.6	1573.7	10538.5	1574.1	10541.9
GR	1574.7	10544.6	1574.7	10557.6	1574.6	10586.2	1574.6	10586.8	1574.7	10593.3
GR	1575.4	10611.1	1576.0	10644.3	1576.1	10650.9	1576.1	10655.8	1576.2	10685.3
GR	1575.9	10697.7	1575.8	10700.2	1576.0	10708.4	1577.2	10732.7	1577.3	10734.6
GR	1578.5	10770.3	1578.6	10774.1	1578.5	10778.8	1577.5	10798.6	1577.6	10810.0
GR	1579.6	10857.6	1579.6	10863.4	1580.3	10884.6	1580.7	10931.5	1581.0	10947.1
GR	1580.9	10968.8	1580.9	10993.4	1580.1	11048.9	1580.0	11051.8	1580.0	11052.5
GR	1579.9	11054.0	1578.0	11091.6	1577.5	11104.7	1577.6	11108.4	1577.6	11110.1
GR	1579.2	11142.5	1579.3	11147.7	1580.0	11157.1	1581.3	11184		
NH	5	.055	9965.8	.09	9996.7	.028	10020.6	.09	10133.7	.055
NH	11343									
ET		7.1					9839.0	10585.4		
ET			10.4							
X1	9.997	94	9934.7	10133.7	570	575	575			
GR	1585.3	9839.0	1583.9	9854.6	1582.0	9873.3	1581.0	9883.3	1580.8	9885.3
GR	1580.7	9888.5	1581.0	9890.3	1580.8	9898.7	1580.7	9900.6	1582.3	9921.6
GR	1583.0	9931.7	1583.2	9934.7	1583.0	9938.4	1582.7	9965.8	1582.4	9970.1
GR	1581.1	9981.8	1576.2	9996.7	1576.0	9997.2	1576.0	9997.5	1576.2	10000.0
GR	1577.2	10020.6	1577.7	10022.5	1580.4	10027.8	1581.0	10133.7	1581.0	10136.4
GR	1580.1	10231.5	1580.0	10253.9	1579.7	10275.4	1579.3	10332.4	1579.2	10344.4
GR	1578.7	10398.5	1578.7	10412.4	1578.7	10425.2	1578.2	10429.2	1577.8	10434.3
GR	1577.8	10436.9	1578.4	10442.2	1578.0	10444.8	1578.6	10450.7	1582.3	10484.2
GR	1583.2	10501.4	1583.5	10509.3	1583.4	10534.3	1583.4	10540.5	1583.1	10544.8
GR	1582.2	10556.3	1583.8	10585.4	1583.9	10587.1	1583.9	10590.4	1582.7	10634.3
GR	1579.6	10672.4	1578.7	10682.1	1578.6	10687.9	1578.0	10715.5	1578.0	10723.4
GR	1578.0	10819.6	1578.0	10827.3	1578.0	10829.3	1578.0	10832.3	1577.4	10865.7
GR	1577.5	10867.9	1577.8	10870.9	1580.6	10911.2	1580.6	10912.6	1580.7	10913.6
GR	1580.7	10914.0	1580.8	10915.0	1582.0	10947.9	1581.8	10977.3	1581.0	11004.1
GR	1581.5	11049.1	1582.1	11057.0	1582.2	11061.9	1582.0	11070.0	1582.0	11077.5
GR	1580.2	11101.7	1580.0	11103.2	1580.2	11109.8	1580.6	11124.4	1580.3	11127.0
GR	1579.9	11136.6	1580.2	11139.8	1580.7	11150.7	1581.0	11156.4	1581.3	11169.3
GR	1581.3	11169.9	1582.6	11189.0	1582.7	11191.5	1582.6	11192.2	1582.8	11207.6
GR	1583.7	11248.2	1583.3	11281.9	1583.3	11304.4	1582.8	11343		

```
NH      5      .055    9938.7      .09    9986.4     .028   10022.3      .09   10036.9     .055
NH  11220
ET             7.1                                          9636.1   10303.5
X1  10.103       94    9938.7  10036.9      560      390      560
GR  1584.8   9636.1    1584.6   9641.9    1584.4   9650.2   1583.7   9702.5   1583.3   9740.6
GR  1583.5   9779.9    1583.2   9788.9    1582.7   9841.7   1582.7   9843.1   1581.8   9850.4
GR  1581.3   9877.1    1581.4   9877.3    1582.0   9887.8   1582.7   9919.1   1582.8   9938.7
GR  1582.7   9959.2    1582.7   9971.0    1581.7   9975.3   1579.6   9986.4   1579.3  10000.0
GR  1579.9  10018.6    1580.0  10022.3    1580.9  10027.4   1582.7  10036.9   1583.5  10097.7
GR  1583.7  10118.3    1582.8  10155.3    1581.9  10193.6   1581.8  10197.3   1581.3  10206.5
GR  1581.3  10229.3    1581.3  10230.0    1581.3  10230.5   1580.0  10239.1   1581.0  10245.5
GR  1582.0    10270    1584.0  10303.5    1583.9  10310.3   1583.2  10337.4   1582.9  10342.0
GR  1581.8  10352.7    1582.7  10361.1    1583.4  10377.0   1583.5  10384.7   1583.8  10392.4
GR  1584.6  10411.9    1585.2  10433.6    1585.3  10435.6   1585.8  10467.0   1585.9  10475.0
GR  1586.0  10479.8    1585.9  10482.8    1585.8  10492.0   1585.5  10519.7   1585.6  10528.8
GR  1586.3  10548.4    1586.2  10581.5    1585.8  10596.1   1584.8  10628.4   1584.7  10635.8
GR  1584.0  10653.9    1583.0  10672.1    1582.8  10691.5   1579.4  10726.1   1579.3  10728.5
GR  1579.3  10804.7    1579.3  10807.0    1579.4  10856.7   1579.3  10896.5   1579.9  10906.5
GR  1580.1  10909.3    1580.5  10913.8    1582.1  10936.1   1583.1  10945.0   1584.4  10953.2
GR  1584.7  10955.0    1584.8  10960.0    1585.0  10980.5   1585.3  10990.7   1585.9  11042.6
GR  1585.9  11048.5    1585.9  11050.9    1586.0  11053.6   1585.9  11058.5   1584.7  11118.3
GR  1584.7  11118.5    1583.4  11129.4    1583.4  11130.3   1583.4  11142.1   1583.4  11143.7
GR  1583.6  11149.6    1583.9  11161.0    1584.0  11165.2   1586.0    11220

NH      7      .055    9988.2      .09   10000.0     .028   10024.0      .09   10107.3     .028
NH  10121       .09   10141.1     .055   10274.6
ET             7.1                                          9332.3   10263.3
ET                      10.4
        PER SEC.4.827 COMMENTS, GR PTS. REMOVED OUTSIDE INEFF. AREA LIMITS.
X1  10.207       40    9988.2  10073.9      500      620      550
GR  1591.3   9332.3    1589.3   9354.5    1588.9   9361.8   1588.0   9390.6   1588.2   9392.1
GR  1588.0   9405.2    1587.7   9420.0    1587.6   9438.3   1587.6   9449.3   1587.3   9460.3
GR  1586.9   9529.6    1586.8   9537.0    1586.6   9550.5   1585.1   9617.9   1585.0   9676.1
GR  1585.0   9708.0    1585.2   9780.9    1585.3   9879.8   1585.9   9914.7   1585.8   9975.2
GR  1585.8   9988.2    1585.2   9990.2    1582.0  10000.0   1582.0  10013.6   1582.0  10020.8
GR  1592.8  10024.0    1585.7  10033.2    1586.0  10073.9   1586.0  10094.0   1584.5  10107.3
GR  1583.2  10117.6    1583.7    10121    1585.3  10129.5   1585.2  10141.1   1585.3  10175.3
GR  1585.6  10181.9    1586.7  10211.3    1587.1  10244.4   1587.3  10263.3   1587.3  10274.6

NH      5      .055    9956.8      .09    9968.4     .028   10002.4      .09   10020.1     .055
NH  10648
ET                      10.4
X1  10.311       70    9956.8  10020.1      550      550      550
GR  1600.2   9119.6    1600.0   9122.9    1600.0   9123.7   1599.1   9126.6   1597.1   9134.8
GR  1594.8   9144.8    1593.7   9151.4    1592.0   9162.3   1591.7   9166.9   1590.9   9239.4
GR  1590.4   9277.5    1590.3   9293.5    1590.0   9311.8   1588.4   9399.2   1588.0   9412.7
GR  1588.1   9415.7    1588.5   9427.1    1588.7   9436.2   1588.7   9473.4   1588.7   9475.3
GR  1588.7   9480.9    1588.5   9487.1    1588.5   9528.9   1588.5   9530.3   1588.3   9566.0
GR  1588.0   9672.4    1588.0   9677.2    1588.2   9730.8   1588.3   9744.5   1588.4   9762.6
GR  1588.4   9803.9    1588.7   9813.7    1588.6   9896.0   1588.6   9902.8   1588.8   9956.8
GR  1587.5   9960.2    1585.0   9968.4    1585.3  10000.0   1585.3  10002.4   1586.6  10009.6
GR  1588.6  10020.1    1588.4  10027.3    1587.8  10055.2   1587.4  10106.0   1587.3  10107.4
GR  1587.3  10138.6    1587.5  10157.8    1587.5  10164.5   1587.5  10180.6   1587.5  10186.7
```

```
GR  1587.6   10188.9   1588.7   10235.2   1588.7   10240.4   1588.2   10248.2   1589.2   10263.8
GR  1589.9   10286.0   1590.0   10289.6   1590.0   10290.9   1590.4   10333.3   1590.3   10337.8
GR  1590.6   10346.1   1591.4   10413.4   1592.2   10434.1   1592.6   10444.6   1592.7   10446.2
GR  1595.8   10515.1   1596.3   10526.0   1596.9   10542.8   1597.0   10550.2   1598.4     10648

NH        5       .055    9959.8       .09    9988.5       .028   10009.9       .09   10026.2       .055
NH    10464
ET                          9.4
X1   10.415         66    9959.8   10026.2        640        540        550
GR  1600.6   9165.8    1596.8   9189.6    1596.0   9196.8    1595.4   9231.9    1595.0   9257.5
GR  1594.2   9319.6    1594.1   9326.1    1593.9   9345.8    1593.8   9359.8    1593.6   9402.8
GR  1593.3   9454.5    1593.2   9461.9    1592.9   9465.4    1592.4   9473.0    1592.8   9476.0
GR  1593.3   9485.2    1593.4   9510.5    1593.3   9515.2    1593.3   9526.8    1593.2   9528.0
GR  1593.3   9537.8    1592.9   9563.5    1592.3   9629.8    1592.7   9663.4    1592.8   9672.7
GR  1592.8   9676.1    1592.7   9683.5    1592.7   9696.7    1592.4   9741.9    1592.5   9808.8
GR  1592.7   9822.1    1592.1   9832.6    1591.8   9860.7    1591.6   9902.5    1591.6   9922.3
GR  1591.8   9941.9    1591.9   9959.8    1591.3   9964.8    1589.3   9973.7    1588.7   9988.5
GR  1588.2   10000.0   1588.0   10009.9   1589.5   10016.2   1592.0   10026.2   1592.0   10043.7
GR  1591.9   10050.9   1591.6   10070.9   1591.0   10118.8   1592.4   10152.7   1592.7   10161.3
GR  1591.5   10193.3   1591.3   10197.3   1591.3   10199.7   1591.3   10212.2   1591.8   10268.1
GR  1592.1   10282.3   1593.4   10300.7   1597.8   10363.6   1597.9   10364.3   1597.5   10368.9
GR  1596.9   10379.6   1595.4   10401.0   1595.2   10404.2   1595.8   10411.1   1598.4   10443.1
GR  1600.4     10464

NH        7       .055    9898.6       .09    9907.5       .028   9918.5        .09   9960.8       .028
NH    10038        .09   10053.6       .055   10471.6
ET                          9.4
X1   10.521         70    9898.6   10053.6        520        525        560
GR  1603.2   9291.0    1600.9   9300.6    1599.4   9311.1    1598.9   9323.7    1597.3   9338.6
GR  1597.1   9348.5    1596.3   9378.0    1596.3   9402.2    1596.7   9430.4    1596.4   9456.8
GR  1596.8   9467.9    1596.2   9513.3    1596.0   9545.2    1596.0   9565.4    1596.0   9575.7
GR  1596.0   9595.5    1595.9   9610.9    1595.3   9675.6    1595.3   9682.2    1595.3   9686.6
GR  1595.8   9727.5    1595.9   9751.1    1595.9   9800.0    1595.7   9823.8    1595.3   9836.0
GR  1595.1   9845.6    1594.7   9885.1    1594.9   9898.6    1592.4   9907.5    1592.0   9909.5
GR  1592.1   9910.5    1592.3   9918.5    1593.5   9926.8    1594.2   9930.2    1594.3   9945.7
GR  1594.7   9960.8    1592.7   9965.3    1591.9   9966.9    1592.0   10000.0   1592.0   10021.5
GR  1592.0   10025.2   1592.1     10038   1593.0   10044.0   1594.7   10053.6   1594.4   10075.9
GR  1594.0   10102.5   1594.3   10118.5   1594.7   10133.5   1594.8   10146.1   1594.9   10155.7
GR  1595.1   10192.6   1595.2   10227.4   1595.7   10245.4   1596.4   10267.9   1596.4   10269.1
GR  1596.3   10292.2   1596.3   10292.6   1596.3   10307.0   1596.5   10321.3   1596.9   10348.3
GR  1597.3   10360.9   1597.3   10369.2   1597.8   10377.3   1599.6   10397.0   1600.8   10409.8
GR  1601.1   10412.8   1602.9   10433.1   1603.5   10441.1   1605.1   10456.5   1606.4   10471.6

NH        7       .055    9797.4       .09    9806.8       .028   9822.2        .09   9996.3       .028
NH    10040        .09   10059.3       .055   10400.6
ET                         11.4
X1   10.606         71    9797.4   10059.3        380        475        450
GR    1602   9320      1601.8   9361.3    1600.1   9385.2    1599.2   9436.8    1599.1   9454.2
GR  1598.8   9460.3    1598.7   9478.3    1598.6   9492.6    1598.3   9555.5    1598.0   9592.7
GR  1597.9   9598.4    1597.7   9601.3    1597.3   9609.6    1597.8   9634.3    1597.9   9636.5
GR  1597.8   9643.4    1597.8   9660.4    1597.8   9660.7    1597.8   9665.0    1597.9   9688.3
GR  1597.9   9691.0    1598.0   9693.8    1598.1   9703.8    1598.2   9768.8    1598.0   9778.7
GR  1598.0   9783.8    1598.0   9788.2    1597.8   9797.4    1596.7   9801.8    1595.0   9806.8
GR  1595.3   9820.5    1595.3   9821.7    1595.4   9822.2    1597.3   9839.5    1597.7   9845.8
```

```
GR  1597.5    9853.5    1597.8    9875.7    1598.1    9947.6    1597.3    9967.6    1597.1    9986.5
GR  1594.9    9996.3    1594.0   10000.0    1593.6   10026.5    1593.3     10040    1596.3   10051.1
GR  1596.7   10052.1    1596.7   10059.3    1596.7   10078.1    1597.0   10081.3    1600.0   10105.3
GR  1601.4   10139.3    1601.5   10142.7    1600.8   10155.0    1600.7   10162.3    1600.7   10177.5
GR  1600.6   10190.1    1600.7   10209.4    1600.7   10215.6    1600.7   10217.4    1600.7   10218.0
GR  1600.7   10247.2    1600.5   10252.9    1600.6   10261.8    1601.0   10276.8    1601.1   10295.5
GR  1601.3   10304.0    1601.9   10354.1    1602.0   10364.5    1602.3   10377.1    1603.0   10392.3
GR  1603.3   10400.6

NH        5       .055    9957.9       .09    9975.8       .028   10017.7       .09   10064.7       .055
NH    10539
        PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.
X1   10.681        56    9957.9   10064.7       325       400       395
GR     1606      9400      1604      9435      1602      9470    1600.3      9600    1600.3    9732.0
GR   1600.0    9773.2    1600.0    9812.0    1599.5    9850.6    1599.3    9869.8    1599.3    9871.1
GR   1599.3    9871.6    1599.3    9872.7    1599.3    9875.1    1599.3    9888.5    1599.3    9897.0
GR   1599.4    9898.4    1599.3    9900.4    1599.4    9923.9    1599.4    9925.9    1599.3    9957.6
GR   1599.3    9957.9    1597.1    9972.9    1596.6    9975.8    1596.3   10000.0    1596.0   10000.0
GR   1596.3   10015.7    1596.3   10017.7    1597.3   10029.7    1598.0   10040.6    1599.1   10053.1
GR   1599.5   10064.7    1599.4   10073.7    1599.4   10087.2    1598.7   10112.2    1598.5   10122.6
GR   1599.3   10168.7    1599.3   10174.1    1599.3   10175.5    1599.3   10183.0    1599.9   10207.8
GR   1599.9   10212.6    1598.7   10235.3    1598.7   10235.5    1599.9   10249.6    1600.2   10254.1
GR   1601.4   10295.8    1601.9   10305.3    1602.7   10342.3    1602.7   10342.7    1602.7   10342.8
GR   1602.8   10357.7    1603.3   10408.0    1603.3   10409.2    1604.4   10487.6    1604.7   10510.1
GR   1605.3     10539

NH        5       .055    9977.3       .09    9993.6       .028   10025.0       .09   10040.0       .055
NH    10619
ET                          6.4
X1   10.787        59    9977.3   10040.0       510       560       560
GR   1610.8    9682.6    1611.0    9688.4    1610.1    9698.7    1610.1    9700.0    1609.3    9705.0
GR   1609.4    9718.0    1609.8    9726.3    1609.7    9728.3    1608.2    9740.3    1607.4    9746.5
GR   1607.4    9749.0    1607.0    9785.6    1606.6    9798.3    1603.5    9834.8    1603.1    9845.2
GR   1602.7    9851.2    1602.7    9852.8    1602.7    9860.8    1602.7    9868.8    1602.5    9871.3
GR   1602.0    9878.3    1602.5    9884.8    1602.8    9886.4    1603.0    9905.9    1603.6    9977.3
GR   1600.5    9989.8    1599.5    9993.6    1599.5   10000.0    1599.0   10025.0    1600.5   10031.9
GR   1603.6   10040.0    1603.3   10064.8    1604.0   10076.9    1604.0   10109.4    1603.0   10110.9
GR   1601.4   10114.6    1600.0   10115.7    1600.6   10117.7    1602.0   10122.7    1603.3   10126.7
GR   1603.2   10131.4    1603.3   10151.7    1603.3   10189.5    1603.2   10211.0    1603.6   10243.9
GR   1603.3   10284.2    1602.9   10324.8    1604.7   10350.9    1605.6   10365.4    1606.3   10420.0
GR   1606.4   10433.0    1606.7   10451.2    1606.7   10470.7    1606.7   10477.1    1606.7   10481.6
GR   1606.8   10487.4    1608.3   10551.3    1608.6   10563.0    1609.5     10619

NH        5       .055    9983.4       .09    9988.6       .028   10017.0       .09   10030.5       .055
NH    10921
QT        2      3120      3120
ET                          9.4
        THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
        FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
```

THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.
THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.
NO FLOODWAY ENCRACHMENT UPSTREAM OF SEC. 10.89 BECAUSE OF WEST BREAKOUT
WASH AND WAST SPLIT FLOW WASH WHICH DIVIDE FLOWS, UPSTREAM TO
STUDY LIMITS.

X1	10.89	75	9983.4	10030.5	550	570	550			
GR	1616.2	9693.6	1616.2	9697.2	1616.1	9707.6	1616.0	9710.7	1615.5	9730.6
GR	1610.9	9764.8	1608.9	9777.8	1608.0	9784.6	1607.4	9826.3	1607.3	9827.8
GR	1607.3	9828.5	1607.6	9890.9	1607.8	9904.7	1607.7	9926.5	1607.3	9946.8
GR	1607.4	9952.2	1607.1	9983.4	1604.4	9986.3	1603.0	9988.6	1603.1	10000.0
GR	1603.0	10017.0	1605.4	10024.0	1607.6	10030.5	1607.6	10055.8	1607.8	10084.5
GR	1607.5	10092.2	1606.9	10103.9	1607.1	10120.6	1606.9	10143.4	1606.9	10171.3
GR	1607.5	10182.9	1607.8	10191.3	1607.9	10200.0	1607.7	10260.7	1607.5	10330.8
GR	1607.3	10339.4	1607.1	10340.7	1606.0	10349.9	1606.7	10353.3	1607.3	10360.8
GR	1607.3	10422.2	1607.3	10468.3	1607.1	10470.7	1606.4	10474.8	1606.8	10480.0
GR	1607.3	10483.8	1606.9	10499.6	1606.8	10508.1	1606.4	10510.5	1606.4	10512.2
GR	1606.4	10514.0	1606.9	10517.5	1607.3	10529.2	1607.3	10545.5	1607.1	10566.1
GR	1606.3	10568.4	1605.0	10572.5	1606.0	10578.4	1607.2	10585.0	1607.6	10623.6
GR	1607.5	10645.8	1608.5	10671.0	1609.1	10680.3	1609.1	10684.1	1608.7	10696.9
GR	1608.4	10705.3	1608.7	10721.3	1608.8	10731.6	1609.3	10783.4	1609.9	10807.0
GR	1610.0	10815.3	1610.1	10818.8	1610.3	10830.6	1612.0	10898.7	1613.1	10921

```
T1      DAGGS WASH FIS          FCDMC CONTRACT NO. 92-08
T2                              A-N WEST INC. PHX. AZ.
T3      DAGGS WASH 100-YEAR FLOODWAY                    AMMENDED:6\16\93

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

     -10        3                                                          1254.07

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     15                  -1
```

THIS RUN EXECUTED 24JUN93 08:03:32

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

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

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	.173	3041.00	1253.07	.00	3.48	.00	9973.40	10060.30	.00	.00	9508.12	10718.61	.51
	.173	3041.00	1254.07	.00	8.61	.00	9973.40	10060.30	9798.43	10152.23	9798.43	10152.23	.98
	.261	3041.00	1257.14	.00	4.61	465.00	9985.20	10024.60	.00	.00	9513.11	10444.70	.55
*	.261	3041.00	1258.16	.00	5.14	465.00	9985.20	10024.60	9653.08	10176.58	9653.08	10176.57	.51
*	.309	3041.00	1259.26	1259.26	3.65	255.00	9974.40	10036.00	.00	.00	9772.78	10480.37	.51
*	.309	3041.00	1260.10	1260.10	7.24	255.00	9974.40	10036.00	9888.45	10064.96	9888.45	10064.96	.82
*	.428	3041.00	1264.79	1264.45	2.90	630.00	9969.20	10030.00	.00	.00	9436.41	10278.81	.58
*	.428	3041.00	1265.77	.00	2.57	630.00	9969.20	10030.00	9591.12	10116.79	9591.12	10116.79	.34
*	.514	3041.00	1268.17	.00	2.45	450.00	9984.70	10030.90	.00	.00	9403.75	10255.84	.50
*	.514	3041.00	1268.56	1268.16	4.87	450.00	9984.70	10030.90	9670.14	10030.90	9670.14	10030.90	.80
*	.625	3041.00	1272.57	.00	3.70	585.00	9984.40	10028.80	.00	.00	9485.11	10032.59	.50
*	.625	3041.00	1273.55	.00	3.21	585.00	9984.40	10028.80	9721.17	10028.80	9721.17	10028.80	.34
*	.745	3041.00	1276.52	.00	2.78	635.00	9963.20	10028.80	.00	.00	9291.44	10068.08	.38
	.745	3041.00	1277.06	.00	4.42	635.00	9963.20	10028.80	9750.45	10028.80	9750.45	10028.80	.52
*	.825	3041.00	1280.01	.00	5.55	425.00	9916.50	10030.80	.00	.00	9415.80	10033.67	.67
	.825	3041.00	1281.01	.00	5.20	425.00	9916.50	10030.80	9821.11	10030.80	9821.11	10030.80	.52
*	.923	3041.00	1284.01	.00	3.32	515.00	9981.80	10050.40	.00	.00	9616.74	10281.31	.37
	.923	3041.00	1284.77	.00	4.70	515.00	9981.80	10050.40	9842.60	10135.15	9842.60	10135.15	.46
*	1.021	3041.00	1287.18	.00	8.16	515.00	9965.90	10018.10	.00	.00	9807.20	10127.88	.82
	1.021	3041.00	1288.12	.00	8.16	515.00	9965.90	10018.10	9899.57	10018.10	9899.57	10018.10	.72
*	1.078	3041.00	1289.74	.00	5.50	300.00	9965.10	10029.60	.00	.00	9750.84	10197.84	.48
*	1.078	3041.00	1290.39	.00	5.67	300.00	9965.10	10029.60	9818.47	10076.24	9818.47	10076.24	.46

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	1.208	3041.00	1292.65	.00	7.26	685.00	9980.00	10039.70	.00	.00	9977.35	10801.93	.83
*	1.208	3041.00	1293.59	1293.59	8.90	685.00	9980.00	10039.70	9980.00	10305.55	9980.00	10305.55	.86
*	1.296	3041.00	1296.13	1296.13	7.32	465.00	9955.30	10020.40	.00	.00	9761.17	10556.26	.78
	1.296	3041.00	1297.13	.00	9.00	465.00	9955.30	10020.40	9955.30	10144.72	9955.30	10144.72	.82
	1.406	3041.00	1300.47	.00	5.18	580.00	9965.00	10072.90	8910.00	10322.00	9326.25	10235.31	.60
*	1.406	3041.00	1301.43	.00	5.27	580.00	9965.00	10072.90	9965.00	10147.00	9965.00	10147.00	.51
	1.466	3041.00	1302.31	.00	6.06	315.00	9947.10	10100.70	.00	.00	9285.28	10165.96	.63
	1.466	3041.00	1302.88	.00	5.69	315.00	9947.10	10100.70	9947.10	10100.70	9947.10	10100.70	.54
	1.592	3041.00	1306.32	.00	5.20	665.00	9898.70	10088.40	.00	.00	8897.96	10152.32	.57
	1.592	3041.00	1306.47	.00	5.84	665.00	9898.70	10088.40	9898.70	10088.40	9898.70	10088.40	.62
*	1.753	3041.00	1313.32	1313.05	5.20	850.00	9980.10	10044.30	.00	.00	9521.11	10248.05	.57
*	1.753	3041.00	1314.27	1313.69	6.35	850.00	9980.10	10044.30	9823.67	10044.30	9823.67	10044.30	.60
*	1.857	3041.00	1317.40	.00	8.35	550.00	9977.90	10022.60	.00	.00	9968.72	10412.94	.74
*	1.857	3041.00	1318.40	.00	9.02	550.00	9977.90	10022.60	9977.90	10169.84	9977.90	10169.83	.72
*	1.949	3041.00	1320.13	1320.13	7.20	485.00	9963.70	10072.10	.00	.00	9955.79	10504.83	.74
	1.949	3041.00	1320.69	.00	8.13	485.00	9963.70	10072.10	9963.70	10072.10	9963.70	10072.10	.77
	2.088	3041.00	1325.20	.00	5.38	735.00	9927.90	10028.10	9220.00	10265.30	9390.85	10168.19	.56
	2.088	3041.00	1326.21	1325.51	6.48	735.00	9927.90	10028.10	9812.23	10028.10	9812.23	10028.10	.58
	2.215	3041.00	1330.90	.00	5.80	670.00	9969.70	10033.90	9200.00	10504.00	9227.43	10252.12	.51
	2.215	3041.00	1331.79	.00	6.28	670.00	9969.70	10033.90	9748.47	10033.90	9748.47	10033.90	.50
*	2.340	3041.00	1337.01	1337.01	7.99	660.00	9983.30	10051.60	9378.50	10216.60	9435.27	10044.44	.70
*	2.340	3041.00	1337.86	.00	9.30	660.00	9983.30	10051.60	9777.28	10051.60	9777.28	10046.48	.76
*	2.438	3277.00	1340.03	.00	6.85	520.00	9955.10	10084.90	.00	.00	9572.35	10089.44	.69
*	2.438	3277.00	1340.99	.00	6.32	520.00	9955.10	10084.90	9955.10	10084.90	9955.10	10084.90	.56
*	2.549	3277.00	1343.93	1343.93	4.92	585.00	9965.50	10017.90	9832.00	10730.00	9866.37	10444.82	.97
*	2.549	3277.00	1344.87	1344.87	8.41	585.00	9965.50	10017.90	9965.50	10240.65	9965.50	10240.65	1.13
	2.593	3277.00	1346.87	.00	6.02	230.00	9978.30	10034.20	.00	.00	9916.26	10452.42	.72
*	2.593	3277.00	1347.88	.00	5.63	230.00	9978.30	10034.20	9978.30	10252.99	9978.30	10252.98	.56
*	2.634	3277.00	1348.85	.00	4.29	220.00	9944.80	10116.70	.00	.00	9953.45	10554.35	.67
*	2.634	3277.00	1349.20	.00	6.50	220.00	9944.80	10116.70	9944.80	10186.22	9952.43	10186.22	.91
*	2.730	3277.00	1351.88	.00	3.31	505.00	9976.60	10050.40	.00	.00	9991.03	10897.35	.33
*	2.730	3277.00	1352.88	.00	3.38	505.00	9976.60	10050.40	9976.60	10437.07	9989.37	10437.07	.29
*	2.826	3277.00	1354.20	.00	4.68	505.00	9990.30	10063.10	9950.00	10643.50	9992.01	10594.13	.57
*	2.826	3277.00	1355.01	.00	5.16	505.00	9990.30	10063.10	9990.30	10305.43	9991.02	10305.43	.54

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	2.919	3277.00	1357.09	.00	6.93	490.00	9941.90	10022.20	9717.30	10316.20	9833.77	10316.20	.65
*	2.919	3277.00	1357.90	.00	6.90	490.00	9941.90	10022.20	9941.90	10210.58	9941.90	10210.58	.58
	3.014	3277.00	1359.14	.00	5.06	500.00	9800.50	10027.40	.00	.00	9739.07	10080.90	.53
	3.014	3277.00	1359.60	.00	4.47	500.00	9800.50	10027.40	9800.50	10027.40	9800.50	10027.40	.44
*	3.109	3277.00	1361.56	1361.54	8.53	500.00	9851.50	9977.30	9743.60	10139.80	9828.10	10096.79	.88
*	3.109	3277.00	1361.38	1361.38	9.54	500.00	9851.50	9977.30	9851.50	9977.30	9851.50	9977.30	1.02
*	3.190	3277.00	1364.50	.00	6.99	430.00	9933.10	10006.60	9839.60	10308.50	9934.08	10088.32	.54
*	3.190	3277.00	1365.07	.00	7.91	430.00	9933.10	10006.60	9933.10	10006.60	9933.10	10006.60	.59
*	3.247	3277.00	1365.11	1365.11	12.96	315.00	9979.00	10023.20	9971.30	10028.70	9971.30	10028.70	1.04
	3.247	3277.00	1366.13	.00	10.69	315.00	9979.00	10023.20	9971.30	10028.70	9971.30	10028.70	.78
*	3.251	3277.00	1366.28	1366.28	13.10	20.00	9976.30	10023.70	.00	.00	9976.30	10023.70	1.01
*	3.251	3277.00	1366.28	1366.28	13.09	20.00	9976.30	10023.70	.00	.00	9976.30	10023.70	1.00
*	3.253	3277.00	1368.39	.00	8.45	13.50	9976.30	10023.70	.00	.00	9976.31	10023.70	.52
*	3.253	3277.00	1368.38	.00	8.46	13.50	9976.30	10023.70	.00	.00	9976.31	10023.70	.52
*	3.254	3277.00	1368.46	1368.46	13.15	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.254	3277.00	1368.47	1368.47	13.15	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.256	3277.00	1371.48	1371.48	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.256	3277.00	1371.48	1371.48	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.257	3277.00	1374.58	1374.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.257	3277.00	1374.58	1374.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1377.58	1377.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1377.58	1377.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1379.82	.00	7.84	2.00	9976.30	10023.70	.00	.00	9976.30	10023.70	.47
*	3.259	3277.00	1379.82	.00	7.84	2.00	9976.30	10023.70	.00	.00	9976.30	10023.70	.47
*	3.259	3277.00	1380.25	.00	6.35	.10	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
*	3.259	3277.00	1380.25	.00	6.36	.10	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
	3.262	3277.00	1380.25	.00	6.35	14.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
	3.262	3277.00	1380.25	.00	6.35	14.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
*	3.264	3277.00	1379.65	.00	10.89	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
*	3.264	3277.00	1379.65	.00	10.89	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.267	3277.00	1379.67	.00	10.87	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.267	3277.00	1379.67	.00	10.87	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.269	3277.00	1379.74	.00	10.73	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.75
	3.269	3277.00	1379.74	.00	10.73	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.75

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	3.273	3277.00	1379.82	.00	10.60	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.273	3277.00	1379.83	.00	10.59	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.282	3277.00	1379.96	.00	10.37	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.71
	3.282	3277.00	1379.96	.00	10.38	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.71
	3.284	3277.00	1380.80	.00	8.14	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.284	3277.00	1380.80	.00	8.14	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.285	3277.00	1381.17	.00	6.95	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.44
	3.285	3277.00	1381.17	.00	6.95	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.44
	3.287	3277.00	1381.54	.00	5.49	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.34
	3.287	3277.00	1381.54	.00	5.49	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.34
	3.291	3277.00	1381.88	.00	3.78	22.10	9953.80	10046.20	.00	.00	9936.64	10063.36	.23
	3.291	3277.00	1381.88	.00	3.78	22.10	9953.80	10046.20	.00	.00	9936.64	10063.36	.23
	3.299	3277.00	1381.92	.00	3.64	38.40	9955.30	10046.70	.00	.00	9929.17	10071.05	.22
	3.299	3277.00	1381.92	.00	3.64	38.40	9955.30	10046.70	.00	.00	9929.17	10071.05	.22
*	3.302	3277.00	1382.05	.00	2.47	20.00	9933.40	10067.70	.00	.00	9900.28	10099.92	.15
*	3.302	3277.00	1382.05	.00	2.47	20.00	9933.40	10067.70	.00	.00	9900.28	10099.92	.15
*	3.306	3277.00	1382.12	.00	1.60	19.50	9901.50	10098.60	.00	.00	9836.93	10163.17	.10
*	3.306	3277.00	1382.12	.00	1.60	19.50	9901.50	10098.60	.00	.00	9836.93	10163.17	.10
*	3.328	4957.00	1382.15	.00	1.03	90.00	9975.00	10374.70	.00	.00	9396.98	10496.72	.06
*	3.328	4957.00	1382.15	.00	1.03	90.00	9975.00	10374.70	.00	.00	9396.97	10496.72	.06
	3.418	4957.00	1382.17	.00	.60	475.00	9729.00	10007.30	.00	.00	9307.99	10703.52	.04
	3.418	4957.00	1382.17	.00	.60	475.00	9729.00	10007.30	.00	.00	9307.99	10703.52	.04
*	3.507	4957.00	1382.21	.00	1.24	470.00	9582.90	10055.40	.00	.00	9257.06	10286.38	.10
*	3.507	4957.00	1382.21	.00	1.24	470.00	9582.90	10055.40	.00	.00	9257.05	10286.38	.10
*	3.601	4957.00	1382.53	.00	3.78	495.00	9641.50	10023.30	.00	.00	9299.15	10039.67	.49
*	3.601	4957.00	1382.53	.00	3.78	495.00	9641.50	10023.30	.00	.00	9299.15	10039.67	.49
*	3.696	4957.00	1385.59	.00	4.54	500.00	9850.80	10218.40	.00	.00	9493.98	10227.80	.53
*	3.696	4957.00	1385.84	.00	5.23	500.00	9850.80	10218.40	9850.80	10218.40	9850.80	10218.40	.57
*	3.791	4957.00	1388.91	.00	4.93	500.00	9858.20	10320.30	.00	.00	9308.63	10328.58	.66
*	3.791	4957.00	1389.38	1388.69	4.92	500.00	9858.20	10320.30	9858.20	10320.30	9858.20	10320.30	.59
*	3.888	4957.00	1393.22	.00	3.47	510.00	9639.30	10014.80	.00	.00	8953.63	10100.57	.41
	3.888	4957.00	1393.84	.00	4.59	510.00	9639.30	10014.80	9639.30	10014.80	9639.30	10014.80	.48
	3.984	4957.00	1396.29	.00	4.82	505.00	9674.40	10041.80	.00	.00	9006.60	10045.99	.59
	3.984	4957.00	1397.05	.00	4.73	505.00	9674.40	10041.80	9674.40	10041.80	9674.40	10041.80	.49

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	4.080	4957.00	1398.84	.00	4.42	505.00	9822.50	10038.30	.00	.00	9270.73	10299.57	.48
	4.080	4957.00	1399.72	.00	6.04	505.00	9822.50	10038.30	9787.53	10038.30	9787.53	10038.30	.57
*	4.178	4957.00	1401.62	.00	5.70	515.00	9804.00	10048.90	.00	.00	9511.68	10498.83	.66
	4.178	4957.00	1402.65	.00	4.82	515.00	9804.00	10048.90	9804.00	10164.90	9804.00	10164.90	.46
	4.273	4957.00	1405.47	.00	6.29	500.00	9918.20	10052.10	.00	.00	9909.07	10679.01	.58
	4.273	4957.00	1405.63	.00	8.02	500.00	9918.20	10052.10	9918.20	10131.11	9918.20	10131.11	.73
	4.368	4957.00	1409.45	.00	5.98	500.00	9960.50	10027.80	.00	.00	9933.43	10824.43	.49
	4.368	4957.00	1410.40	.00	5.61	500.00	9960.50	10027.80	9960.50	10265.45	9960.50	10265.45	.42
*	4.464	4957.00	1412.05	.00	6.51	505.00	9965.20	10040.20	.00	.00	9795.26	10865.77	.52
	4.464	4957.00	1412.78	.00	7.45	505.00	9965.20	10040.20	9965.20	10245.81	9965.20	10245.81	.56
	4.541	4555.00	1413.74	.00	7.36	406.00	9973.10	10051.50	.00	.00	9646.26	10348.15	.63
	4.541	4555.00	1414.60	.00	7.27	406.00	9973.10	10051.50	9859.83	10089.49	9859.83	10089.49	.57
	4.635	4555.00	1416.91	.00	7.90	495.00	9972.90	10065.00	.00	.00	9525.67	10146.57	.71
	4.635	4555.00	1417.47	.00	9.78	495.00	9972.90	10065.00	9910.52	10065.00	9910.52	10065.00	.82
	4.731	4555.00	1420.42	.00	5.31	505.00	9943.60	10025.30	.00	.00	9698.87	10216.36	.42
*	4.731	4555.00	1421.38	.00	4.75	505.00	9943.60	10025.30	9849.87	10133.78	9849.87	10133.78	.34
	4.827	4555.00	1423.96	.00	4.98	505.00	9959.30	10067.70	9956.00	10369.00	9965.72	10237.34	.43
*	4.827	4555.00	1424.13	.00	5.57	505.00	9959.30	10067.70	9959.30	10147.99	9965.47	10147.98	.47
	4.918	4555.00	1426.81	.00	4.94	480.00	9993.20	10075.80	9875.60	10463.00	9894.82	10446.98	.40
	4.918	4555.00	1427.47	.00	5.84	480.00	9993.20	10075.80	9989.96	10181.75	9989.96	10181.75	.44
	5.011	4555.00	1429.42	.00	5.04	490.00	9983.60	10043.20	.00	.00	9737.98	10300.60	.41
	5.011	4555.00	1430.36	.00	5.80	490.00	9983.60	10043.20	9892.03	10100.06	9892.03	10100.06	.43
	5.106	4555.00	1431.88	.00	6.07	500.00	9963.70	10031.10	.00	.00	9650.95	10116.81	.48
*	5.106	4555.00	1432.74	.00	5.98	500.00	9963.70	10031.10	9806.92	10031.10	9806.92	10031.10	.44
*	5.201	4555.00	1434.47	1434.47	10.10	500.00	9977.10	10037.30	9783.70	10186.00	9787.58	10092.82	.82
*	5.201	4555.00	1435.05	1435.05	11.53	500.00	9977.10	10037.30	9895.85	10037.30	9895.85	10037.30	.89
	5.307	4555.00	1438.37	.00	8.39	560.00	9976.80	10042.30	9745.90	10214.00	9750.39	10167.96	.66
*	5.307	4555.00	1439.37	.00	8.02	560.00	9976.80	10042.30	9885.05	10043.87	9885.05	10043.87	.58
	5.414	4555.00	1441.35	.00	9.33	565.00	9956.20	10040.00	9662.00	10269.00	9823.63	10072.91	.75
*	5.414	4555.00	1441.77	.00	10.47	565.00	9956.20	10040.00	9956.20	10040.00	9956.20	10040.00	.81
	5.518	4555.00	1445.10	.00	7.39	550.00	9974.60	10046.30	.00	.00	9922.51	10307.26	.59
	5.518	4555.00	1446.14	.00	7.99	550.00	9974.60	10046.30	9974.60	10168.39	9974.60	10168.39	.58
	5.626	4555.00	1447.59	.00	7.99	570.00	9951.20	10024.90	9755.50	10125.00	9838.42	10081.99	.62
	5.626	4555.00	1448.59	.00	8.51	570.00	9951.20	10024.90	9904.78	10024.90	9904.78	10024.90	.60

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	5.732	4150.00	1450.76	.00	7.20	560.00	9954.60	10012.70	.00	.00	9946.00	10163.06	.56
	5.732	4150.00	1451.64	.00	6.48	560.00	9954.60	10012.70	9954.60	10114.70	9954.60	10114.70	.46
	5.824	4150.00	1453.66	.00	4.95	485.00	9982.20	10030.10	.00	.00	9705.82	10157.72	.37
	5.824	4150.00	1454.22	.00	6.12	485.00	9982.20	10030.10	9771.22	10060.15	9771.22	10060.15	.43
	5.934	4150.00	1456.68	.00	4.90	580.00	9979.60	10031.40	.00	.00	9457.68	10048.06	.37
	5.934	4150.00	1457.72	.00	5.29	580.00	9979.60	10031.40	9824.57	10031.40	9824.57	10031.40	.37
*	6.033	4150.00	1460.14	.00	6.55	525.00	9977.70	10079.70	9412.30	10090.00	9510.97	10047.68	.52
	6.033	4150.00	1461.04	.00	6.57	525.00	9977.70	10079.70	9914.85	10079.70	9914.85	10050.97	.49
	6.144	4150.00	1464.88	.00	5.46	590.00	9925.90	10010.20	9645.20	10038.00	9674.78	10027.76	.41
	6.144	4150.00	1465.79	.00	5.96	590.00	9925.90	10010.20	9890.23	10010.20	9890.23	10010.20	.41
	6.244	4150.00	1467.79	.00	4.37	530.00	9945.00	10040.00	.00	.00	9927.11	10312.69	.36
	6.244	4150.00	1468.80	.00	4.55	530.00	9945.00	10040.00	9945.00	10212.14	9945.00	10212.14	.34
	6.364	4150.00	1470.34	.00	5.85	635.00	9836.10	10030.50	9688.70	10298.10	9751.43	10218.82	.55
	6.364	4150.00	1470.87	.00	5.35	635.00	9836.10	10030.50	9836.10	10030.50	9836.10	10030.50	.47
	6.480	4150.00	1472.81	.00	6.14	610.00	9847.20	10071.70	9681.80	10303.00	9819.19	10178.67	.64
	6.480	4150.00	1472.91	.00	6.29	610.00	9847.20	10071.70	9847.20	10071.70	9847.20	10071.70	.65
*	6.585	4150.00	1475.74	1475.74	8.00	555.00	9919.40	10151.90	.00	.00	9882.47	10273.99	.95
*	6.585	4150.00	1475.75	1475.67	8.08	555.00	9919.40	10151.90	9919.40	10151.90	9919.40	10151.90	.96
*	6.697	4150.00	1479.84	.00	4.12	590.00	9972.80	10139.20	9581.40	10288.10	9663.39	10172.88	.42
	6.697	4150.00	1480.45	.00	5.58	590.00	9972.80	10139.20	9905.41	10139.20	9905.41	10139.20	.51
	6.801	4150.00	1482.36	.00	7.03	550.00	9976.80	10058.80	9672.50	10246.90	9726.90	10246.27	.58
	6.801	4150.00	1483.31	.00	6.84	550.00	9976.80	10058.80	9976.80	10186.65	9976.80	10186.65	.52
	6.908	3750.00	1485.91	1485.90	7.88	565.00	9948.70	10040.30	9719.20	10476.10	9790.78	10373.25	.72
	6.908	3750.00	1486.38	.00	9.68	565.00	9948.70	10040.30	9948.70	10040.30	9948.70	10040.30	.83
	7.012	3750.00	1488.80	1488.52	8.05	550.00	9934.40	10033.70	9713.50	10347.90	9763.17	10327.87	.70
*	7.012	3750.00	1489.81	.00	7.41	550.00	9934.40	10033.70	9934.40	10033.70	9934.40	10033.70	.58
*	7.130	3750.00	1493.52	1492.65	7.90	625.00	10000.00	10075.10	.00	.00	9909.13	10515.95	.61
*	7.130	3750.00	1493.56	.00	9.46	625.00	10000.00	10075.10	10000.00	10075.10	10000.00	10075.10	.73
*	7.232	3750.00	1497.89	.00	4.50	540.00	9964.70	10020.50	.00	.00	9671.36	10514.12	.32
*	7.232	3750.00	1498.91	.00	4.93	540.00	9964.70	10020.50	9894.41	10178.21	9894.41	10178.21	.32
	7.337	3750.00	1500.08	.00	5.81	555.00	9986.10	10086.10	9687.00	10438.00	9746.42	10314.14	.44
	7.337	3750.00	1500.97	.00	5.84	555.00	9986.10	10086.10	9986.10	10086.10	9986.10	10086.10	.41
	7.448	3750.00	1502.37	.00	7.86	585.00	9972.40	10084.10	.00	.00	9938.10	10131.53	.67
	7.448	3750.00	1502.91	.00	7.06	585.00	9972.40	10084.10	9972.40	10084.10	9972.40	10084.10	.57

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STEMCL	STEMCR	SSTA	ENDST	FRCH
	7.562	3750.00	1506.53	.00	5.80	600.00	9980.00	10050.80	.00	.00	9918.40	10299.99	.44
*	7.562	3750.00	1506.49	.00	7.15	600.00	9980.00	10050.80	9980.00	10142.65	9980.00	10142.65	.55
*	7.666	3750.00	1509.62	.00	4.53	550.00	9975.70	10046.80	9604.90	10201.00	9798.55	10176.75	.34
*	7.666	3750.00	1510.60	.00	5.40	550.00	9975.70	10046.80	9946.15	10094.03	9946.15	10094.03	.37
	7.770	3750.00	1511.84	.00	5.50	550.00	9961.80	10078.70	9885.70	10353.20	9909.60	10141.15	.41
	7.770	3750.00	1512.75	.00	4.94	550.00	9961.80	10078.70	9961.80	10078.70	9961.80	10078.70	.34
	7.883	3750.00	1515.39	.00	5.55	595.00	9980.20	10052.70	.00	.00	9948.85	10258.33	.42
*	7.883	3750.00	1515.97	.00	7.53	595.00	9980.20	10052.70	9980.20	10118.57	9980.20	10118.57	.54
	7.988	3750.00	1518.56	.00	4.35	555.00	9936.40	10041.80	.00	.00	9854.64	10469.85	.38
*	7.988	3750.00	1519.51	.00	3.87	555.00	9936.40	10041.80	9926.60	10440.48	9926.60	10440.48	.31
*	8.092	3345.00	1522.12	.00	5.06	550.00	9977.80	10031.80	.00	.00	9796.07	10570.47	.45
*	8.092	3345.00	1522.67	1522.67	7.23	550.00	9977.80	10031.80	9970.55	10291.45	9970.55	10291.44	.60
	8.196	3345.00	1526.31	.00	4.98	550.00	9956.20	10015.60	9937.50	10449.20	9956.18	10430.06	.39
*	8.196	3345.00	1527.30	.00	4.83	550.00	9956.20	10015.60	9956.20	10131.86	9956.20	10131.86	.34
	8.301	3345.00	1529.38	.00	5.03	555.00	9965.50	10041.30	9905.00	10369.30	9933.93	10301.96	.38
	8.301	3345.00	1530.11	.00	5.81	555.00	9965.50	10041.30	9965.50	10141.11	9965.50	10141.11	.41
	8.407	3345.00	1532.81	.00	4.57	560.00	9973.50	10046.90	9645.90	10369.30	9683.06	10191.59	.36
	8.407	3345.00	1533.82	.00	4.93	560.00	9973.50	10046.90	9884.90	10046.90	9884.90	10046.90	.36
	8.524	3345.00	1536.21	.00	5.94	620.00	9971.50	10057.20	.00	.00	9605.71	10083.86	.47
	8.524	3345.00	1537.15	.00	6.59	620.00	9971.50	10057.20	9971.18	10057.20	9971.18	10057.20	.46
	8.634	3345.00	1539.76	.00	4.98	580.00	9944.90	10046.60	.00	.00	9672.34	10052.52	.41
	8.634	3345.00	1540.80	.00	5.44	580.00	9944.90	10046.60	9920.10	10046.60	9920.10	10046.60	.40
	8.736	3345.00	1542.55	.00	4.19	540.00	9962.60	10034.20	.00	.00	9822.52	10287.65	.32
	8.736	3345.00	1543.51	.00	4.55	540.00	9962.60	10034.20	9932.69	10131.67	9932.69	10131.67	.32
	8.840	3345.00	1544.45	1544.25	8.55	550.00	9966.60	10038.60	.00	.00	9781.06	10129.73	.73
	8.840	3345.00	1545.14	.00	9.34	550.00	9966.60	10038.60	9966.60	10038.60	9966.60	10038.60	.74
	8.948	3345.00	1547.33	.00	4.47	570.00	9923.80	10103.30	.00	.00	9783.23	10188.39	.41
*	8.948	3345.00	1548.14	.00	4.21	570.00	9923.80	10103.30	9923.80	10103.30	9923.80	10103.30	.35
*	9.053	3345.00	1550.36	1550.36	8.66	555.00	9967.30	10036.70	.00	.00	9946.33	10295.15	.83
*	9.053	3345.00	1550.58	1550.58	10.26	555.00	9967.30	10036.70	9967.30	10125.01	9967.30	10125.01	.95
	9.158	3345.00	1554.72	.00	5.71	555.00	9975.70	10026.90	.00	.00	9832.49	10477.07	.48
	9.158	3345.00	1555.73	.00	6.14	555.00	9975.70	10026.90	9918.95	10226.81	9918.95	10226.81	.46
	9.262	2943.00	1557.48	.00	6.32	550.00	9927.40	10029.20	9871.00	10358.20	9879.42	10354.24	.60
	9.262	2943.00	1558.20	.00	6.91	550.00	9927.40	10029.20	9927.40	10029.20	9927.40	10029.20	.59

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	9.375	2943.00	1560.05	1559.89	7.06	595.00	9956.20	10056.50	9586.10	10274.60	9648.56	10247.63	.72
	9.375	2943.00	1560.75	.00	7.05	595.00	9956.20	10056.50	9956.20	10088.24	9956.20	10088.24	.65
	9.481	2943.00	1563.79	.00	4.03	560.00	9900.90	10031.10	.00	.00	9498.81	10326.19	.39
	9.481	2943.00	1564.50	.00	5.21	560.00	9900.90	10031.10	9900.90	10067.31	9900.90	10067.31	.46
	9.585	2943.00	1567.71	.00	3.36	550.00	9814.30	10071.60	.00	.00	9494.50	10224.02	.38
	9.585	2943.00	1568.55	.00	3.47	550.00	9814.30	10071.60	9814.30	10071.60	9814.30	10071.60	.34
	9.691	2943.00	1571.80	.00	3.48	560.00	9945.10	10048.20	.00	.00	9520.75	10436.49	.37
	9.691	2943.00	1572.60	.00	4.88	560.00	9945.10	10048.20	9940.81	10191.52	9940.81	10191.52	.45
*	9.765	2943.00	1573.43	.00	2.65	390.00	9958.70	10071.40	.00	.00	9687.60	10639.03	.28
*	9.765	2943.00	1574.48	.00	2.95	390.00	9958.70	10071.40	9958.70	10341.07	9958.70	10341.07	.27
	9.783	2943.00	1573.73	.00	4.83	94.80	9921.20	10020.90	.00	.00	9699.56	10647.11	.81
*	9.783	2943.00	1574.65	.00	6.40	94.80	9921.20	10020.90	9921.20	10310.87	9930.86	10310.87	.80
	9.886	2943.00	1576.72	.00	3.59	555.00	9981.70	10033.90	9724.50	10947.10	9827.14	10722.96	.42
	9.888	2943.00	1577.74	.00	3.66	555.00	9981.70	10033.90	9981.70	10426.34	9981.70	10426.34	.36
*	9.997	2943.00	1581.20	.00	2.48	575.00	9934.70	10133.70	9839.00	10585.40	9881.30	10474.24	.42
*	9.997	2943.00	1582.07	1581.28	3.64	575.00	9934.70	10133.70	9934.70	10312.03	9973.04	10312.03	.43
*	10.103	2943.00	1583.92	.00	5.38	560.00	9938.70	10036.90	9636.10	10303.50	9685.41	10302.30	.56
*	10.103	2943.00	1584.97	.00	5.74	560.00	9938.70	10036.90	9938.70	10194.96	9938.70	10194.96	.52
*	10.207	2943.00	1586.71	.00	2.93	550.00	9988.20	10073.90	9332.30	10263.30	9542.58	10212.73	.34
*	10.207	2943.00	1587.72	.00	3.67	550.00	9988.20	10073.90	9770.99	10073.90	9770.99	10073.90	.35
	10.311	2943.00	1589.53	.00	3.42	550.00	9956.80	10020.10	.00	.00	9337.31	10274.36	.32
*	10.311	2943.00	1590.54	.00	4.01	550.00	9956.80	10020.10	9676.37	10055.32	9676.37	10055.31	.33
*	10.415	2943.00	1592.92	.00	5.08	550.00	9959.80	10026.20	.00	.00	9465.19	10293.88	.48
*	10.415	2943.00	1593.83	.00	5.88	550.00	9959.80	10026.20	9905.27	10093.82	9905.27	10093.82	.49
*	10.521	2943.00	1596.33	.00	3.48	560.00	9898.60	10053.60	.00	.00	9377.09	10308.75	.33
*	10.521	2943.00	1597.28	.00	3.99	560.00	9898.60	10053.60	9884.87	10067.38	9884.87	10067.38	.33
*	10.606	2943.00	1598.87	.00	3.39	450.00	9797.40	10059.30	.00	.00	9458.84	10096.27	.39
*	10.606	2943.00	1599.64	.00	3.64	450.00	9797.40	10059.30	9797.40	10059.30	9797.40	10059.30	.37
*	10.681	2943.00	1600.80	.00	4.96	395.00	9957.90	10064.70	.00	.00	9561.81	10274.93	.47
*	10.681	2943.00	1601.59	.00	6.08	395.00	9957.90	10064.70	9925.41	10064.70	9925.41	10064.70	.52
*	10.787	2943.00	1603.99	1603.96	7.47	560.00	9977.30	10040.00	.00	.00	9829.06	10340.57	.69
*	10.787	2943.00	1605.02	.00	6.98	560.00	9977.30	10040.00	9962.07	10146.53	9962.07	10146.53	.57
*	10.890	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.29	.36
*	10.890	3120.00	1609.38	.00	5.19	550.00	9983.40	10030.50	9983.40	10347.52	9983.40	10347.52	.39

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	.173	1813.62	432.65	794.72	4.51	3.48	2.24	1254.00	1253.07	.00	1105.94	1249.30	1.27
	.173	837.85	1812.70	390.45	3.45	8.61	3.25	1254.00	1254.07	.00	353.80	1249.30	1.74
	.261	1631.48	391.38	1018.14	4.34	4.61	2.23	1263.80	1257.14	4.07	927.55	1252.20	1.32
*	.261	1591.61	643.98	805.40	2.81	5.14	2.62	1263.80	1258.16	4.09	523.49	1252.20	1.25
*	.309	2228.13	357.18	455.69	6.95	3.65	1.82	1262.00	1259.26	2.12	696.09	1254.00	1.81
*	.309	1813.21	1081.90	145.88	9.60	7.24	3.75	1262.00	1260.10	1.94	176.52	1254.00	1.14
*	.428	2026.53	135.29	879.18	3.47	2.90	3.26	1280.00	1264.79	5.54	838.58	1261.70	1.01
*	.428	2269.57	273.25	498.18	2.89	2.57	2.80	1280.00	1265.77	5.68	525.67	1261.70	1.00
*	.514	2321.74	84.27	634.99	2.78	2.45	2.45	1276.60	1268.17	3.38	848.20	1266.00	1.01
*	.514	2784.62	256.38	.00	5.01	4.87	.00	1276.60	1268.56	2.79	360.76	1266.00	1.00
*	.625	2747.54	285.11	8.35	3.82	3.70	2.49	1282.10	1272.57	4.40	547.48	1270.50	1.00
*	.625	2655.64	385.36	.00	3.76	3.21	.00	1282.10	1273.55	4.98	307.63	1270.50	1.01
*	.745	2700.59	305.36	35.04	2.76	2.78	1.46	1287.70	1276.52	3.95	776.64	1274.00	1.01
	.745	2400.66	640.34	.00	4.83	4.42	.00	1287.70	1277.06	3.51	278.35	1274.00	1.00
*	.825	1704.18	1336.07	.74	4.05	5.55	1.25	1288.20	1280.01	3.49	515.96	1277.80	1.08
	.825	1198.06	1842.94	.00	4.91	5.20	.00	1288.20	1281.01	3.95	209.69	1277.80	1.00
*	.923	1260.44	556.99	1223.57	2.53	3.32	2.87	1291.80	1284.01	3.99	664.58	1280.60	1.03
	.923	1194.48	1032.00	814.53	3.45	4.70	3.89	1291.80	1284.77	3.76	292.54	1280.60	1.05
*	1.021	1464.33	1307.58	269.09	5.43	8.16	2.87	1295.40	1287.18	3.17	315.10	1283.70	1.29
	1.021	1331.97	1709.03	.00	5.98	8.16	.00	1295.40	1288.12	3.35	118.53	1283.70	1.07
*	1.078	744.75	1427.52	868.73	2.41	5.50	3.06	1290.00	1289.74	2.56	447.00	1285.30	1.44
*	1.078	687.84	1704.14	649.02	2.50	5.67	3.30	1290.00	1290.39	2.27	257.77	1285.30	1.40
	1.208	7.34	1018.86	2014.80	2.09	7.26	2.65	1301.80	1292.65	2.91	802.97	1289.30	1.98
*	1.208	.00	1746.61	1294.39	.00	8.90	3.22	1301.80	1293.59	3.20	325.55	1289.30	1.93
*	1.296	512.15	1310.72	1218.13	2.81	7.32	2.73	1304.10	1296.13	3.48	795.09	1292.90	1.93
	1.296	.00	2193.19	847.81	.00	9.00	3.85	1304.10	1297.13	3.54	189.42	1292.90	1.45
	1.406	368.56	1299.28	1373.16	2.20	5.18	4.63	1312.50	1300.47	4.33	488.43	1296.70	1.20
*	1.406	.00	1869.80	1171.20	.00	5.27	5.83	1310.00	1301.43	4.31	182.00	1296.70	1.01
	1.466	121.15	2709.60	210.25	1.67	6.06	2.60	1313.80	1302.31	1.84	355.06	1298.90	1.30
	1.466	.00	3041.00	.00	.00	5.69	.00	1313.80	1302.88	1.45	153.60	1298.90	1.00
	1.592	312.63	2565.66	162.70	1.47	5.20	2.45	1309.50	1306.32	4.01	827.44	1302.70	1.51
	1.592	.00	3041.00	.00	.00	5.84	.00	1309.50	1306.47	3.59	189.70	1302.70	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	1.753	1416.39	855.63	768.98	3.51	5.20	3.69	1324.30	1313.32	7.01	712.20	1309.40	1.09
*	1.753	1612.86	1428.14	.00	5.52	6.35	.00	1324.30	1314.27	7.80	220.63	1309.40	1.01
*	1.857	32.68	1457.40	1550.92	1.78	8.35	2.75	1326.70	1317.40	4.08	444.22	1312.80	2.31
*	1.857	.00	1980.98	1060.02	.00	9.02	3.23	1326.70	1318.40	4.13	191.93	1312.80	1.84
*	1.949	1.32	2264.26	775.42	.53	7.20	1.89	1330.10	1320.13	2.73	549.04	1316.30	2.25
	1.949	.00	3041.00	.00	.00	8.13	.00	1330.10	1320.69	2.28	108.40	1316.30	1.00
	2.088	911.79	1565.66	563.54	2.98	5.38	3.77	1330.80	1325.20	5.06	656.94	1321.40	1.22
	2.088	497.51	2543.49	.00	3.12	6.48	.00	1330.00	1326.21	5.53	215.87	1321.40	1.21
	2.215	1072.52	1479.75	488.73	2.60	5.80	2.46	1333.20	1330.90	5.71	725.56	1325.10	1.60
	2.215	1083.08	1957.92	.00	3.04	6.28	.00	1333.20	1331.79	5.58	285.43	1325.10	1.38
*	2.340	1056.27	1984.72	.00	3.89	7.99	.00	1341.80	1337.01	6.11	361.29	1330.60	1.37
*	2.340	289.03	2751.97	.00	3.66	9.30	.00	1341.80	1337.86	6.07	137.46	1330.60	1.21
*	2.438	576.11	2699.39	1.50	2.74	6.85	.64	1340.80	1340.03	3.02	395.91	1336.20	1.37
*	2.438	.00	3277.00	.00	.00	6.32	.00	1340.80	1340.99	3.13	129.80	1336.20	1.00
*	2.549	851.61	207.11	2218.28	6.73	4.92	5.89	1350.00	1343.93	3.89	482.48	1341.90	1.02
*	2.549	.00	756.17	2520.83	.00	8.41	7.06	1349.50	1344.87	3.87	275.15	1341.90	1.02
	2.593	163.53	725.62	2387.85	2.21	6.02	4.41	1350.00	1346.87	2.94	536.15	1343.90	1.13
*	2.593	.00	996.24	2280.76	.00	5.63	4.29	1350.00	1347.88	3.01	274.68	1343.90	1.05
*	2.634	.00	880.78	2396.21	.00	4.29	4.80	1351.80	1348.85	1.98	561.24	1345.70	1.01
*	2.634	.00	1703.13	1573.87	.00	6.50	8.53	1351.80	1349.20	1.32	233.79	1345.70	1.06
*	2.730	.00	631.73	2645.27	.00	3.31	2.30	1353.00	1351.88	3.03	906.32	1347.80	1.07
*	2.730	.00	849.37	2427.63	.00	3.38	2.69	1353.00	1352.88	3.68	447.70	1347.80	1.03
*	2.826	.00	701.09	2575.91	.00	4.68	4.07	1354.90	1354.20	2.32	573.67	1349.30	1.01
*	2.826	.00	1052.48	2224.52	.00	5.16	5.41	1354.90	1355.01	2.13	314.40	1349.30	1.00
*	2.919	281.21	1969.11	1026.69	2.11	6.93	2.59	1359.00	1357.09	2.89	476.05	1352.80	1.94
*	2.919	.00	2408.51	868.49	.00	6.90	2.47	1359.00	1357.90	2.89	268.68	1352.80	1.67
	3.014	10.54	3197.29	69.17	.68	5.06	1.55	1366.10	1359.14	2.05	341.83	1355.80	1.12
	3.014	.00	3277.00	.00	.00	4.47	.00	1366.10	1359.60	1.70	226.90	1355.80	1.00
*	3.109	105.29	3128.46	43.24	3.36	8.53	1.26	1363.90	1361.56	2.42	263.78	1356.80	1.22
*	3.109	.00	3277.00	.00	.00	9.54	.00	1363.90	1361.38	1.78	125.80	1356.80	1.00
*	3.190	.00	2596.94	680.05	.00	6.99	4.31	1365.60	1364.50	2.94	154.23	1355.90	1.11
*	3.190	.00	3277.00	.00	.00	7.91	.00	1365.60	1365.07	3.70	73.50	1355.90	1.00
*	3.247	323.63	2741.47	211.90	10.10	12.96	8.42	1371.60	1365.11	.61	57.40	1360.00	1.04
	3.247	331.57	2743.91	201.52	8.31	10.69	6.55	1371.60	1366.13	1.06	57.40	1360.00	1.05

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	3.251	.00	3277.00	.00	.00	13.10	.00	1367.00	1366.28	1.16	47.40	1361.00	1.00
*	3.251	.00	3277.00	.00	.00	13.09	.00	1367.00	1366.28	.15	47.40	1361.00	1.00
*	3.253	.00	3277.00	.00	.00	8.45	.00	1369.40	1368.39	2.11	47.39	1358.40	1.00
*	3.253	.00	3277.00	.00	.00	8.46	.00	1369.40	1368.38	2.10	47.39	1358.40	1.00
*	3.254	.00	3277.00	.00	.00	13.15	.00	1372.40	1368.46	.08	47.36	1361.40	1.00
*	3.254	.00	3277.00	.00	.00	13.15	.00	1372.40	1368.47	.08	47.36	1361.40	1.00
*	3.256	.00	3277.00	.00	.00	13.12	.00	1375.40	1371.48	3.01	47.36	1364.40	1.00
*	3.256	.00	3277.00	.00	.00	13.12	.00	1375.40	1371.48	3.01	47.36	1364.40	1.00
*	3.257	.00	3277.00	.00	.00	13.12	.00	1378.50	1374.58	3.10	47.36	1367.50	1.00
*	3.257	.00	3277.00	.00	.00	13.12	.00	1378.50	1374.58	3.10	47.36	1367.50	1.00
*	3.259	.00	3277.00	.00	.00	13.12	.00	1381.50	1377.58	3.00	47.36	1370.50	1.00
*	3.259	.00	3277.00	.00	.00	13.12	.00	1381.50	1377.58	3.00	47.36	1370.50	1.00
*	3.259	.00	3277.00	.00	.00	7.84	.00	1380.30	1379.82	2.25	47.40	1371.00	1.00
*	3.259	.00	3277.00	.00	.00	7.84	.00	1380.30	1379.82	2.24	47.40	1371.00	1.00
*	3.259	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.43	47.40	1369.37	1.00
*	3.259	.00	3277.00	.00	.00	6.36	.00	1380.30	1380.25	.43	47.40	1369.37	1.00
	3.262	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.00	47.40	1369.37	1.00
	3.262	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.00	47.40	1369.37	1.00
*	3.264	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.65	-.60	47.40	1373.30	1.00
*	3.264	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.65	-.60	47.40	1373.30	1.00
	3.267	.00	3277.00	.00	.00	10.87	.00	1380.30	1379.67	.02	47.40	1373.30	1.00
	3.267	.00	3277.00	.00	.00	10.87	.00	1380.30	1379.67	.02	47.40	1373.30	1.00
	3.269	.00	3277.00	.00	.00	10.73	.00	1380.30	1379.74	.07	47.40	1373.30	1.00
	3.269	.00	3277.00	.00	.00	10.73	.00	1380.30	1379.74	.07	47.40	1373.30	1.00
	3.273	.00	3277.00	.00	.00	10.60	.00	1380.30	1379.82	.08	47.40	1373.30	1.00
	3.273	.00	3277.00	.00	.00	10.59	.00	1380.30	1379.83	.08	47.40	1373.30	1.00
	3.282	.00	3277.00	.00	.00	10.37	.00	1380.30	1379.96	.14	47.40	1373.30	1.00
	3.282	.00	3277.00	.00	.00	10.38	.00	1380.30	1379.96	.14	47.40	1373.30	1.00
	3.284	.00	3277.00	.00	.00	8.14	.00	1380.70	1380.80	.84	53.70	1373.30	1.00
	3.284	.00	3277.00	.00	.00	8.14	.00	1380.70	1380.80	.84	53.70	1373.30	1.00
	3.285	.00	3277.00	.00	.00	6.95	.00	1381.10	1381.17	.36	59.90	1373.30	1.00
	3.285	.00	3277.00	.00	.00	6.95	.00	1381.10	1381.17	.36	59.90	1373.30	1.00
	3.287	.00	3277.00	.00	.00	5.49	.00	1381.80	1381.54	.37	72.40	1373.30	1.00
	3.287	.00	3277.00	.00	.00	5.49	.00	1381.80	1381.54	.37	72.40	1373.30	1.00

	SECND	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	3.291	139.55	2997.90	139.55	1.90	3.78	1.90	1383.00	1381.88	.34	126.72	1373.30	1.10
	3.291	139.55	2997.90	139.55	1.90	3.78	1.90	1383.00	1381.88	.34	126.72	1373.30	1.10
	3.299	213.63	2865.26	198.12	1.90	3.64	1.89	1383.00	1381.92	.04	141.88	1373.30	1.13
	3.299	213.63	2865.24	198.12	1.90	3.64	1.89	1383.00	1381.92	.04	141.88	1373.30	1.13
*	3.302	189.05	2904.28	183.67	1.30	2.47	1.30	1383.00	1382.05	.13	199.63	1373.30	1.11
*	3.302	189.06	2904.27	183.68	1.30	2.47	1.30	1383.00	1382.05	.13	199.64	1373.30	1.11
*	3.306	244.98	2787.03	244.98	.86	1.60	.86	1383.00	1382.12	.07	326.24	1373.30	1.14
*	3.306	244.99	2787.02	244.99	.86	1.60	.86	1383.00	1382.12	.07	326.24	1373.30	1.14
*	3.328	860.62	3804.28	292.10	.42	1.03	.48	1386.50	1382.15	.03	1099.74	1371.10	1.40
*	3.328	860.63	3804.27	292.10	.42	1.03	.48	1386.50	1382.15	.03	1099.75	1371.10	1.40
	3.418	1707.29	1341.21	1908.50	.61	.60	.51	1384.00	1382.17	.02	1395.52	1373.30	1.02
	3.418	1707.28	1341.20	1908.51	.61	.60	.51	1384.00	1382.17	.02	1395.53	1373.30	1.02
*	3.507	958.20	2795.67	1203.13	1.08	1.24	1.20	1384.20	1382.21	.03	1029.33	1376.40	1.01
*	3.507	958.21	2795.66	1203.13	1.08	1.24	1.19	1384.20	1382.21	.03	1029.33	1376.40	1.01
*	3.601	2167.30	2718.87	70.83	3.95	3.78	3.15	1388.90	1382.53	.32	740.52	1379.80	1.00
*	3.601	2167.30	2718.87	70.83	3.95	3.78	3.15	1388.90	1382.53	.32	740.52	1379.80	1.00
*	3.696	1042.94	3882.52	31.54	2.21	4.54	2.41	1391.80	1385.59	3.06	733.82	1382.40	1.26
*	3.696	.00	4957.00	.00	.00	5.23	.00	1391.80	1385.84	3.31	367.60	1382.40	1.00
*	3.791	1045.48	3891.69	19.83	2.96	4.93	2.82	1395.90	1388.91	3.33	985.05	1386.10	1.13
*	3.791	.00	4957.00	.00	.00	4.92	.00	1395.90	1389.38	3.54	462.10	1386.10	1.00
*	3.888	1279.20	2944.38	733.42	2.06	3.47	3.93	1398.90	1393.22	4.30	1146.94	1389.10	1.18
	3.888	.00	4957.00	.00	.00	4.59	.00	1398.90	1393.84	4.46	375.50	1389.10	1.00
	3.984	1243.83	3703.15	10.02	2.28	4.82	2.30	1402.00	1396.29	3.07	1039.39	1392.30	1.32
	3.984	.00	4957.00	.00	.00	4.73	.00	1402.00	1397.05	3.20	367.40	1392.30	1.00
*	4.080	1379.41	2495.43	1082.16	1.99	4.42	2.51	1401.10	1398.84	2.55	1028.84	1393.90	1.43
	4.080	398.62	4558.38	.00	3.93	6.04	.00	1401.10	1399.72	2.67	250.77	1393.90	1.04
*	4.178	354.99	3284.91	1317.10	2.09	5.70	2.93	1406.00	1401.62	2.78	983.50	1396.80	1.40
	4.178	.00	3998.21	958.79	.00	4.82	3.38	1406.00	1402.65	2.93	360.90	1396.80	1.06
	4.273	4.69	3043.01	1909.29	1.31	6.29	2.63	1409.70	1405.47	3.85	757.40	1400.00	1.61
	4.273	.00	4048.57	908.43	.00	8.02	4.69	1409.70	1405.63	2.98	212.91	1400.00	1.12
	4.368	146.24	1861.99	2948.77	3.75	5.98	3.44	1412.00	1409.45	3.98	884.39	1403.30	1.24
	4.368	.00	2101.43	2855.57	.00	5.61	4.62	1412.00	1410.40	4.77	304.95	1403.30	1.03
*	4.464	556.90	2364.49	2035.61	2.57	6.51	2.14	1415.70	1412.05	2.60	1067.99	1406.10	2.18
	4.464	.00	3108.60	1848.40	.00	7.45	3.47	1415.70	1412.78	2.38	280.61	1406.10	1.44

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	4.541	1342.98	2411.33	800.69	2.99	7.36	2.50	1416.00	1413.74	1.69	701.89	1408.30	1.88
	4.541	1237.49	2871.52	446.00	3.86	7.27	3.97	1416.00	1414.60	1.83	229.66	1408.30	1.28
	4.635	940.11	2799.23	815.65	2.60	7.90	3.96	1421.60	1416.91	3.17	522.46	1411.20	1.74
	4.635	590.34	3964.66	.00	4.39	9.78	.00	1421.60	1417.47	2.87	154.48	1411.20	1.20
	4.731	585.84	2153.00	1816.16	2.21	5.31	3.90	1424.30	1420.42	3.51	517.49	1414.40	1.25
*	4.731	517.70	2292.22	1745.08	2.61	4.75	3.99	1424.30	1421.38	3.91	283.92	1414.40	1.10
	4.827	.00	2115.28	2439.72	.00	4.98	5.37	1424.40	1423.96	3.54	271.62	1418.50	1.00
*	4.827	.00	2457.97	2097.03	.00	5.57	6.66	1424.40	1424.13	2.75	162.52	1418.50	1.02
	4.918	747.82	1931.86	1875.31	3.31	4.94	3.83	1427.20	1426.81	2.84	413.15	1420.60	1.07
	4.918	35.80	2602.38	1916.82	3.73	5.84	4.79	1427.20	1427.47	3.34	191.80	1420.60	1.03
	5.011	1802.55	1445.59	1306.86	3.69	5.04	3.45	1431.90	1429.42	2.62	562.62	1423.30	1.08
	5.011	1609.28	1985.82	959.90	5.03	5.80	4.91	1431.90	1430.36	2.89	208.03	1423.30	1.02
	5.106	2136.69	2027.50	390.81	3.26	6.07	2.60	1436.00	1431.88	2.46	465.87	1425.80	1.38
*	5.106	2211.14	2343.85	.00	3.89	5.98	.00	1436.00	1432.74	2.38	224.17	1425.80	1.14
*	5.201	1298.95	2849.21	406.84	3.84	10.10	4.12	1443.10	1434.47	2.59	305.24	1428.40	1.74
*	5.201	895.49	3659.51	.00	4.75	11.53	.00	1434.90	1435.05	2.31	141.45	1428.40	1.37
	5.307	1353.27	2759.70	442.03	3.43	8.39	2.55	1444.50	1438.37	3.91	417.58	1431.60	1.81
*	5.307	1387.07	3159.02	8.91	3.97	8.02	1.74	1438.40	1439.37	4.32	158.81	1431.60	1.34
	5.414	731.27	3718.09	105.64	3.37	9.33	2.81	1450.40	1441.35	2.97	249.28	1435.60	1.50
*	5.414	.00	4555.00	.00	.00	10.47	.00	1445.90	1441.77	2.40	83.80	1435.60	1.00
	5.518	660.93	2608.13	1285.93	4.26	7.39	2.88	1449.00	1445.10	3.76	384.75	1438.60	1.59
	5.518	.00	3412.72	1142.28	.00	7.99	3.54	1449.00	1446.14	4.37	193.79	1438.60	1.38
	5.626	1003.81	3043.43	507.76	3.62	7.99	3.50	1455.70	1447.59	2.49	243.57	1441.10	1.46
	5.626	689.12	3865.88	.00	4.04	8.51	.00	1453.30	1448.59	2.44	120.12	1441.10	1.20
	5.732	18.19	2169.26	1962.54	2.31	7.20	4.38	1456.90	1450.76	3.17	217.06	1444.70	1.21
	5.732	.00	2282.99	1867.01	.00	6.48	4.35	1456.90	1451.64	3.05	160.10	1444.70	1.12
	5.824	1842.33	1329.40	978.27	3.51	4.95	3.39	1460.60	1453.66	2.90	419.49	1447.20	1.09
	5.824	1828.95	1806.91	514.14	4.12	6.12	4.66	1460.60	1454.22	2.58	288.93	1447.20	1.11
	5.934	2745.11	1347.26	57.63	3.05	4.90	2.67	1460.70	1456.68	3.02	590.37	1450.00	1.17
	5.934	2411.60	1738.40	.00	4.54	5.29	.00	1460.70	1457.72	3.50	206.83	1450.00	1.02
*	6.033	1870.19	2279.81	.00	4.11	6.55	.00	1468.60	1460.14	3.46	488.34	1453.10	1.17
	6.033	1440.82	2709.17	.00	6.25	6.57	.00	1468.60	1461.04	3.33	136.12	1453.10	1.00
	6.144	1365.53	2532.09	252.38	3.67	5.46	4.50	1468.60	1464.88	4.74	352.99	1457.20	1.10
	6.144	931.94	3218.06	.00	5.77	5.96	.00	1468.60	1465.79	4.75	119.97	1457.20	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	6.244	27.41	1945.67	2176.92	1.71	4.37	3.52	1470.00	1467.79	2.91	385.77	1461.20	1.05
	6.244	.00	2461.98	1688.02	.00	4.55	3.47	1470.00	1468.80	3.00	267.14	1461.20	1.05
	6.364	57.07	3942.52	150.41	1.35	5.85	1.54	1472.30	1470.34	2.55	467.39	1465.60	1.25
	6.364	.00	4150.00	.00	.00	5.35	.00	1472.30	1470.87	2.08	194.40	1465.60	1.00
	6.480	3.32	3915.58	231.10	.58	6.14	1.89	1479.20	1472.81	2.47	359.47	1468.90	1.22
	6.480	.00	4150.00	.00	.00	6.29	.00	1479.20	1472.91	2.04	224.50	1468.90	1.00
*	6.585	.61	4097.19	52.20	.51	8.00	1.50	1480.40	1475.74	2.93	353.77	1472.50	1.10
*	6.585	.00	4150.00	.00	.00	8.08	.00	1480.40	1475.75	2.84	232.50	1472.50	1.00
*	6.697	2058.35	2087.20	4.45	3.08	4.12	.60	1485.10	1479.84	4.10	509.49	1475.60	1.07
	6.697	761.62	3388.38	.00	3.91	5.58	.00	1485.10	1480.45	4.70	233.79	1475.60	1.05
	6.801	794.60	2591.24	764.15	2.68	7.03	2.91	1488.00	1482.36	2.52	519.37	1477.20	1.69
	6.801	.00	3062.54	1087.46	.00	6.84	3.52	1484.70	1483.31	2.86	209.85	1477.20	1.26
	6.908	192.29	2716.56	841.15	2.14	7.88	2.48	1492.00	1485.91	3.55	550.84	1481.30	1.98
	6.908	.00	3750.00	.00	.00	9.68	.00	1492.00	1486.38	3.07	91.60	1481.30	1.00
	7.012	277.97	3262.33	209.70	2.02	8.05	1.90	1492.00	1488.80	2.89	408.53	1483.80	1.73
*	7.012	.00	3750.00	.00	.00	7.41	.00	1491.90	1489.81	3.43	99.30	1483.80	1.00
*	7.130	289.21	3107.93	352.86	4.04	7.90	3.22	1499.40	1493.52	4.72	359.40	1486.70	1.27
*	7.130	.00	3750.00	.00	.00	9.46	.00	1499.40	1493.56	3.75	75.10	1486.70	1.00
*	7.232	954.93	1545.94	1249.13	2.40	4.50	2.23	1500.10	1497.89	4.37	842.76	1489.80	1.38
*	7.232	388.01	1976.07	1385.92	2.75	4.93	3.42	1500.10	1498.91	5.36	283.80	1489.80	1.14
	7.337	254.50	3218.01	277.49	1.84	5.81	1.80	1502.60	1500.08	2.20	504.02	1492.70	1.50
	7.337	.00	3750.00	.00	.00	5.84	.00	1502.60	1500.97	2.06	100.00	1492.70	1.00
	7.448	5.98	3699.01	45.01	.74	7.86	1.42	1507.40	1502.37	2.28	193.43	1496.70	1.13
	7.448	.00	3750.00	.00	.00	7.06	.00	1507.40	1502.91	1.94	111.70	1496.70	1.00
	7.562	225.92	2166.42	1357.65	3.00	5.80	3.71	1509.60	1506.53	4.17	374.69	1499.30	1.18
*	7.562	.00	2654.88	1095.12	.00	7.15	5.25	1509.60	1506.49	3.58	162.65	1499.30	1.06
*	7.666	1501.37	1821.94	426.69	3.46	4.53	2.26	1514.70	1509.62	3.09	378.20	1502.40	1.15
*	7.666	710.93	2549.16	489.91	4.91	5.40	3.59	1513.70	1510.60	4.11	147.88	1502.40	1.05
	7.770	84.68	3594.10	71.22	1.84	5.50	1.68	1514.00	1511.84	2.22	231.55	1504.90	1.14
	7.770	.00	3750.00	.00	.00	4.94	.00	1513.30	1512.75	2.15	116.90	1504.90	1.00
	7.883	221.04	2215.28	1313.68	3.90	5.55	3.91	1520.00	1515.39	3.54	309.47	1508.70	1.09
*	7.883	.00	3322.06	427.94	.00	7.53	4.00	1520.00	1515.97	3.22	138.37	1508.70	1.11
	7.988	498.68	1845.02	1406.30	3.10	4.35	3.55	1521.00	1518.56	3.17	455.71	1513.30	1.05
*	7.988	98.31	2022.74	1628.95	2.76	3.87	2.71	1521.00	1519.51	3.54	453.67	1513.30	1.10

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	8.092	698.89	1068.01	1578.11	3.22	5.06	6.50	1523.10	1522.12	3.57	462.12	1516.70	1.22
*	8.092	110.39	1740.30	1494.31	5.96	7.23	7.01	1523.10	1522.67	3.16	298.95	1516.70	1.00
	8.196	.00	1509.12	1835.88	.00	4.98	3.28	1531.20	1526.31	4.19	436.34	1519.30	1.14
*	8.196	.00	1745.71	1599.29	.00	4.83	4.12	1531.20	1527.30	4.63	175.66	1519.30	1.02
	8.301	147.76	2042.63	1154.61	3.01	5.03	3.03	1535.40	1529.38	3.07	368.03	1522.00	1.19
	8.301	.00	2683.34	661.66	.00	5.81	3.55	1535.30	1530.11	2.82	175.61	1522.00	1.11
	8.407	1253.58	1640.94	450.48	2.91	4.57	2.60	1537.00	1532.81	3.43	508.53	1526.20	1.19
	8.407	1212.84	2132.16	.00	4.38	4.93	.00	1536.90	1533.82	3.71	162.00	1526.20	1.01
	8.524	730.66	2540.06	74.27	2.09	5.94	2.53	1538.30	1536.21	3.40	478.15	1529.80	1.62
	8.524	.72	3344.28	.00	.92	6.59	.00	1538.30	1537.15	3.33	86.02	1529.80	1.00
	8.634	1017.76	2321.54	5.70	2.72	4.98	1.52	1543.50	1539.76	3.55	380.18	1532.70	1.24
	8.634	233.86	3111.14	.00	3.61	5.44	.00	1543.50	1540.80	3.66	126.50	1532.70	1.03
	8.736	673.65	1633.32	1038.03	2.66	4.19	2.55	1544.70	1542.55	2.79	465.13	1535.50	1.19
	8.736	233.46	2086.84	1024.70	3.10	4.55	3.49	1544.70	1543.51	2.71	196.98	1535.50	1.06
	8.840	367.70	2638.88	338.42	2.21	8.55	2.48	1547.60	1544.46	1.90	324.98	1538.70	1.96
	8.840	.00	3345.00	.00	.00	9.34	.00	1547.60	1545.14	1.63	72.00	1538.70	1.00
	8.948	200.60	2902.59	241.81	1.63	4.47	2.16	1549.30	1547.33	2.88	405.15	1542.70	1.25
*	8.948	.00	3345.00	.00	.00	4.21	.00	1549.30	1548.14	2.99	179.50	1542.70	1.00
*	9.053	18.59	2029.47	1296.94	1.70	8.66	3.20	1554.20	1550.36	3.03	348.82	1546.40	1.87
*	9.053	.00	2565.07	779.93	.00	10.26	4.28	1554.20	1550.58	2.45	157.71	1546.40	1.42
	9.158	1105.60	1309.03	930.37	4.26	5.71	2.25	1558.00	1554.72	4.36	644.58	1549.30	1.47
	9.158	359.05	1727.24	1258.72	3.07	6.14	3.20	1558.00	1555.73	5.14	307.86	1549.30	1.36
	9.262	41.97	2230.51	670.52	1.36	6.32	2.54	1561.90	1557.48	2.76	465.80	1552.70	1.54
	9.262	.00	2943.00	.00	.00	6.91	.00	1558.90	1558.20	2.48	101.80	1552.70	1.00
	9.375	115.12	2108.03	719.85	1.25	7.06	3.93	1563.20	1560.05	2.57	543.54	1556.00	1.51
	9.375	.00	2591.38	351.62	.00	7.05	5.17	1562.70	1560.75	2.55	132.04	1556.00	1.03
	9.481	468.06	1721.01	753.93	3.08	4.03	2.55	1568.70	1563.79	3.74	590.88	1558.00	1.12
	9.481	.00	2712.18	230.81	.00	5.21	3.54	1568.70	1564.50	3.75	166.41	1558.00	1.03
	9.585	345.72	2122.87	474.41	2.28	3.36	2.81	1570.70	1567.71	3.92	627.03	1562.00	1.05
	9.585	.00	2943.00	.00	.00	3.47	.00	1570.70	1568.55	4.05	257.30	1562.00	1.00
	9.691	461.59	1000.84	1480.58	1.79	3.48	3.15	1577.80	1571.80	4.09	817.99	1566.70	1.14
	9.691	18.18	1803.62	1121.20	2.81	4.88	4.14	1577.80	1572.60	4.06	250.71	1566.70	1.02
*	9.765	98.75	808.32	2035.93	1.07	2.65	2.20	1580.00	1573.43	1.64	888.80	1569.00	1.07
*	9.765	.00	1245.85	1697.15	.00	2.95	2.55	1580.00	1574.48	1.87	382.37	1569.00	1.02

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	9.783	37.98	524.85	2380.17	.95	4.83	2.62	1580.00	1573.73	.30	773.42	1571.70	1.25
*	9.783	.00	1142.40	1800.60	.00	6.40	3.27	1580.00	1574.65	.17	380.01	1571.70	1.38
	9.888	36.47	426.15	2480.38	1.14	3.59	2.89	1581.30	1576.72	2.99	737.64	1573.20	1.05
	9.888	.00	622.24	2320.76	.00	3.66	3.15	1581.30	1577.74	3.09	444.64	1573.20	1.01
*	9.997	10.98	542.81	2389.21	1.39	2.48	4.47	1582.80	1581.20	4.48	519.21	1576.00	1.16
*	9.997	.00	1294.59	1648.41	.00	3.64	4.96	1582.80	1582.07	4.33	338.98	1576.00	1.07
*	10.103	548.00	1486.79	908.20	2.03	5.38	2.41	1586.00	1583.92	2.72	616.89	1579.30	1.69
*	10.103	.00	2175.73	767.27	.00	5.74	2.48	1584.80	1584.97	2.90	256.26	1579.30	1.42
*	10.207	1647.80	595.35	699.85	2.86	2.93	3.77	1587.30	1586.71	2.79	670.15	1582.00	1.04
*	10.207	1881.88	1061.12	.00	3.91	3.67	.00	1587.30	1587.72	2.75	302.91	1582.00	1.00
	10.311	1170.08	773.13	999.79	1.78	3.42	2.42	1598.40	1589.53	2.82	937.05	1585.00	1.23
*	10.311	1541.61	1161.44	239.95	2.66	4.01	2.89	1598.40	1590.54	2.81	378.95	1585.00	1.12
*	10.415	638.56	1193.10	1111.34	2.56	5.08	3.48	1600.40	1592.92	3.39	744.50	1588.00	1.23
*	10.415	540.84	1738.67	663.49	4.69	5.88	4.68	1600.40	1593.83	3.29	188.55	1588.00	1.04
*	10.521	384.51	1875.67	682.81	1.47	3.48	2.24	1603.20	1596.33	3.41	810.66	1591.90	1.29
*	10.521	98.33	2744.34	100.33	2.88	3.99	2.72	1603.20	1597.28	3.45	182.51	1591.90	1.02
*	10.606	638.97	2048.50	255.53	2.53	3.39	4.17	1602.00	1598.87	2.54	637.43	1593.30	1.06
*	10.606	.00	2943.00	.00	.00	3.64	.00	1602.00	1599.64	2.36	261.90	1593.30	1.00
*	10.681	501.37	1812.19	629.43	1.52	4.96	2.06	1605.30	1600.80	1.93	713.12	1596.00	1.90
*	10.681	207.82	2735.18	.00	2.86	6.08	.00	1605.30	1601.59	1.94	139.29	1596.00	1.10
*	10.787	517.53	1728.94	696.53	3.77	7.47	3.47	1609.50	1603.99	3.19	478.79	1599.00	1.43
*	10.787	80.22	2069.05	793.73	3.55	6.98	4.43	1609.50	1605.02	3.43	184.46	1599.00	1.14
*	10.890	398.48	980.90	1740.62	1.84	4.42	2.13	1613.10	1608.61	4.61	909.37	1603.00	1.47
*	10.890	.00	1341.16	1778.84	.00	5.19	2.93	1613.10	1609.38	4.36	364.12	1603.00	1.27

DAGGS WASH 100-YEAR PRD

SUMMARY PRINTOUT

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	.173	.00	.00	1253.30	.24	.00	.00	100.69	.00	3.77	44.72	55.45	55.00
	.173	.00	.00	1254.83	.76	.00	.00	100.64	.00	4.77	55.00	31.08	55.00
	.261	465.00	6.24	1257.36	.23	4.06	.00	58.78	10.66	4.94	36.91	41.13	58.58
*	.261	465.00	6.24	1258.34	.18	3.45	.06	47.74	9.57	5.96	53.64	43.17	64.63
*	.309	255.00	7.06	1259.84	.58	1.31	.11	54.15	14.98	5.26	32.13	40.68	55.00
*	.309	255.00	7.06	1261.25	1.15	1.75	.29	133.25	13.28	6.10	32.89	42.75	55.00
*	.428	630.00	12.22	1264.97	.18	5.09	.04	119.97	26.46	3.09	55.00	47.02	55.00
*	.428	630.00	12.22	1265.90	.13	4.55	.10	41.35	24.27	4.07	55.00	53.83	55.00
*	.514	450.00	9.56	1268.29	.11	3.31	.01	54.89	36.32	2.17	55.00	36.79	55.00
*	.514	450.00	9.56	1268.95	.39	2.97	.08	144.65	32.43	2.56	55.01	39.60	.00
*	.625	585.00	7.69	1272.80	.22	4.48	.03	113.92	49.27	2.07	55.10	61.84	55.00
*	.625	585.00	7.69	1273.76	.21	4.79	.02	52.62	42.06	3.05	55.24	62.60	.00
*	.745	635.00	5.51	1276.64	.12	3.84	.01	55.87	60.19	2.52	55.00	56.29	55.00
	.745	635.00	5.51	1277.41	.35	3.61	.04	101.93	50.62	3.06	55.00	56.47	.00
*	.825	425.00	8.94	1280.37	.35	3.65	.07	176.15	68.28	2.21	55.00	58.40	55.00
	.825	425.00	8.94	1281.41	.40	3.98	.02	95.34	56.37	3.21	55.00	58.73	.00
*	.923	515.00	5.44	1284.13	.12	3.74	.02	47.95	77.30	3.41	58.41	56.19	55.00
	.923	515.00	5.44	1285.02	.25	3.59	.02	64.36	63.60	4.17	63.05	55.05	55.00
*	1.021	515.00	6.02	1287.86	.68	3.56	.17	135.31	86.05	3.48	51.74	44.67	59.71
	1.021	515.00	6.02	1288.94	.82	3.75	.17	100.60	70.07	4.42	54.33	44.56	.00
*	1.078	300.00	5.33	1290.03	.28	2.13	.04	44.93	90.75	4.44	55.59	45.73	64.49
*	1.078	300.00	5.33	1290.72	.34	1.74	.05	39.23	74.10	5.09	56.15	45.73	70.58
	1.208	685.00	5.84	1293.00	.35	2.95	.02	65.16	101.15	3.35	55.00	29.20	55.00
*	1.208	685.00	5.84	1294.36	.77	3.14	.13	75.13	82.91	4.29	.00	30.77	55.00
*	1.296	465.00	7.74	1296.56	.43	3.14	.02	103.06	108.28	3.23	55.00	40.39	55.60
	1.296	465.00	7.74	1298.10	.97	3.68	.06	106.53	87.55	4.23	.00	39.73	60.65
	1.406	580.00	6.55	1300.80	.34	4.24	.01	63.16	117.48	3.77	55.00	39.98	41.85
*	1.406	580.00	6.55	1301.90	.47	3.75	.05	48.34	93.80	4.73	.00	42.82	33.94
	1.466	315.00	6.98	1302.83	.52	1.97	.05	63.16	122.19	3.41	55.00	39.69	55.00
	1.466	315.00	6.98	1303.38	.50	1.47	.01	46.17	97.71	3.98	.00	40.09	.00
	1.592	665.00	5.71	1306.68	.36	3.84	.02	54.43	132.19	3.62	55.00	39.82	55.15
	1.592	665.00	5.71	1307.00	.53	3.61	.01	64.56	105.77	3.77	.00	39.81	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	1.753	850.00	7.88	1313.58	.26	6.89	.01	159.71	145.85	3.92	55.00	68.72	55.00
*	1.753	850.00	7.88	1314.81	.54	7.81	.00	173.72	115.05	4.87	55.00	69.50	.00
*	1.857	550.00	6.18	1317.98	.58	4.30	.10	51.72	154.75	4.60	90.00	31.64	55.36
*	1.857	550.00	6.18	1319.28	.88	4.37	.10	51.23	121.24	5.60	.00	31.64	56.20
*	1.949	485.00	7.22	1320.75	.61	2.28	.01	47.45	162.28	3.83	90.00	28.89	55.00
	1.949	485.00	7.22	1321.71	1.03	2.39	.04	49.55	126.13	4.39	.00	28.69	.00
	2.088	735.00	6.94	1325.51	.31	4.73	.03	96.22	174.22	3.80	46.21	54.98	55.00
	2.088	735.00	6.94	1326.78	.57	5.02	.05	96.49	134.21	4.81	59.66	55.12	.00
	2.215	670.00	5.52	1331.21	.31	5.70	.00	71.18	187.19	5.80	53.26	53.09	55.00
	2.215	670.00	5.52	1332.23	.44	5.44	.01	65.50	144.07	6.69	55.80	53.09	.00
*	2.340	660.00	8.33	1337.74	.73	6.40	.13	125.07	198.39	6.41	47.05	55.49	.00
*	2.340	660.00	8.33	1339.10	1.24	6.63	.24	159.96	152.42	7.26	55.00	57.96	.00
*	2.438	520.00	10.77	1340.65	.62	2.90	.01	37.21	204.18	3.83	41.24	27.71	90.00
*	2.438	520.00	10.77	1341.61	.62	2.45	.06	23.76	157.60	4.79	.00	28.36	.00
*	2.549	585.00	9.74	1344.50	.57	3.56	.00	92.16	212.54	2.03	29.85	27.34	29.71
*	2.549	585.00	9.74	1345.71	.85	3.20	.07	141.93	164.96	2.97	.00	29.77	36.98
	2.593	230.00	8.70	1347.22	.35	2.70	.02	60.32	217.96	2.97	61.13	31.91	36.21
*	2.593	230.00	8.70	1348.23	.35	2.46	.05	37.48	170.06	3.98	.00	33.79	38.84
*	2.634	220.00	8.18	1349.19	.34	1.97	.00	175.36	221.36	3.15	.00	53.24	55.69
*	2.634	220.00	8.18	1350.09	.88	1.70	.16	296.38	172.81	3.50	.00	53.51	56.99
*	2.730	505.00	4.16	1351.98	.10	2.76	.02	38.71	230.27	4.08	.00	59.82	55.10
*	2.730	505.00	4.16	1353.01	.13	2.85	.08	30.19	180.15	5.08	.00	60.86	55.49
*	2.826	505.00	2.97	1354.47	.28	2.44	.05	125.39	239.40	4.90	.00	67.26	55.00
*	2.826	505.00	2.97	1355.45	.44	2.35	.09	166.44	188.06	5.71	.00	72.71	55.00
*	2.919	490.00	7.14	1357.57	.49	3.04	.06	41.64	247.53	4.29	55.00	31.98	55.00
*	2.919	490.00	7.14	1358.47	.57	2.98	.04	34.05	194.94	5.10	.00	32.72	55.00
	3.014	500.00	6.00	1359.53	.39	1.95	.01	37.93	255.87	3.34	55.00	35.69	55.00
	3.014	500.00	6.00	1359.91	.31	1.41	.03	24.48	202.97	3.80	.00	35.69	.00
*	3.109	500.00	2.00	1362.65	1.08	2.91	.21	100.26	262.33	4.76	55.00	35.35	55.00
*	3.109	500.00	2.00	1362.79	1.41	2.43	.33	138.79	209.15	4.58	.00	35.35	.00
*	3.190	430.00	-2.09	1365.16	.66	2.47	.04	37.82	266.99	8.60	.00	38.19	35.12
*	3.190	430.00	-2.09	1366.04	.97	3.21	.04	46.60	212.89	9.17	.00	38.44	.00
*	3.247	315.00	13.02	1367.52	2.41	1.78	.52	96.60	269.80	5.11	32.00	32.00	32.00
	3.247	315.00	13.02	1367.77	1.64	1.53	.20	50.79	215.56	6.13	32.00	32.00	32.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	3.251	20.00	50.00	1368.94	2.67	.20	.13	99.56	269.92	5.28	.00	30.00	.00
*	3.251	20.00	50.00	1368.94	2.66	.14	.51	99.22	215.69	5.28	.00	30.00	.00
*	3.253	13.50	-192.59	1369.50	1.11	.09	.47	46.04	270.01	9.99	.00	30.00	.00
*	3.253	13.50	-192.59	1369.49	1.11	.09	.46	46.09	215.79	9.98	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.69	.06	.79	184.99	270.07	7.06	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.68	.06	.79	184.83	215.84	7.07	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.33	270.11	7.08	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.42	215.88	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.55	270.15	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.59	215.92	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.67	270.19	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.59	215.97	7.08	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.96	270.21	8.82	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.97	215.98	8.82	.00	30.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	2.12	270.21	10.88	.00	13.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	2.12	215.98	10.88	.00	13.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	2.12	270.38	10.88	.00	13.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	2.12	216.16	10.88	.00	13.00	.00
*	3.264	12.50	314.40	1381.49	1.84	.01	.61	10.59	270.50	6.35	.00	13.00	.00
*	3.264	12.50	314.40	1381.49	1.84	.01	.61	10.59	216.27	6.35	.00	13.00	.00
	3.267	11.90	.00	1381.50	1.83	.01	.00	10.53	270.58	6.37	.00	13.00	.00
	3.267	11.90	.00	1381.50	1.83	.01	.00	10.53	216.36	6.37	.00	13.00	.00
	3.269	11.90	.00	1381.53	1.79	.01	.01	10.14	270.67	6.44	.00	13.00	.00
	3.269	11.90	.00	1381.53	1.79	.01	.01	10.13	216.44	6.44	.00	13.00	.00
	3.273	23.80	.00	1381.57	1.74	.02	.01	9.75	270.83	6.52	.00	13.00	.00
	3.273	23.80	.00	1381.57	1.74	.02	.01	9.74	216.61	6.53	.00	13.00	.00
	3.282	47.70	.00	1381.63	1.67	.05	.02	9.14	271.18	6.66	.00	13.00	.00
	3.282	47.70	.00	1381.63	1.67	.05	.02	9.14	216.95	6.66	.00	13.00	.00
	3.284	6.30	.00	1381.83	1.03	.00	.19	4.80	271.23	7.50	.00	13.00	.00
	3.284	6.30	.00	1381.83	1.03	.00	.19	4.80	217.00	7.50	.00	13.00	.00
	3.285	6.20	.00	1381.92	.75	.00	.08	3.22	271.29	7.87	.00	13.00	.00
	3.285	6.20	.00	1381.92	.75	.00	.08	3.22	217.06	7.87	.00	13.00	.00
	3.287	12.50	.00	1382.00	.47	.00	.08	1.83	271.44	8.24	.00	13.00	.00
	3.287	12.50	.00	1382.00	.47	.00	.08	1.83	217.22	8.24	.00	13.00	.00

	SECNO	XLCH	K*CHSL	EG	HV	ML	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	3.291	22.10	.00	1382.09	.21	.01	.08	3.32	271.83	8.58	35.00	30.00	35.00
	3.291	22.10	.00	1382.09	.21	.01	.08	3.32	217.61	8.58	35.00	30.00	35.00
	3.299	38.40	.00	1382.11	.19	.01	.01	3.05	272.69	8.62	35.00	30.00	35.00
	3.299	38.40	.00	1382.11	.19	.01	.01	3.05	218.46	8.62	35.00	30.00	35.00
*	3.302	20.00	.00	1382.14	.09	.00	.03	1.38	273.26	8.75	35.00	30.00	35.00
*	3.302	20.00	.00	1382.14	.09	.00	.03	1.38	219.03	8.75	35.00	30.00	35.00
*	3.306	19.50	.00	1382.16	.04	.00	.02	.57	274.10	8.82	35.00	30.00	35.00
*	3.306	19.50	.00	1382.16	.04	.00	.02	.57	219.87	8.82	35.00	30.00	35.00
*	3.328	90.00	-24.45	1382.16	.01	.00	.00	.25	283.05	11.05	55.00	32.00	55.00
*	3.328	90.00	-24.45	1382.16	.01	.00	.00	.25	228.82	11.05	55.00	32.00	55.00
	3.418	475.00	4.63	1382.18	.01	.01	.00	.41	364.03	8.87	58.76	63.12	60.38
	3.418	475.00	4.63	1382.18	.01	.01	.00	.41	309.81	8.87	58.76	63.12	60.38
*	3.507	470.00	6.60	1382.23	.02	.04	.01	3.50	437.02	5.81	55.00	63.94	62.95
*	3.507	470.00	6.60	1382.23	.02	.04	.01	3.50	382.80	5.81	55.00	63.94	62.95
*	3.601	495.00	6.87	1382.76	.23	.47	.06	104.76	466.46	2.73	55.00	61.24	63.70
*	3.601	495.00	6.87	1382.76	.23	.47	.06	104.76	412.24	2.73	55.00	61.24	63.70
*	3.696	500.00	5.20	1385.86	.27	3.08	.01	42.15	481.13	3.19	56.71	37.24	55.00
*	3.696	500.00	5.20	1386.27	.42	3.45	.06	50.16	424.86	3.44	.00	37.51	.00
*	3.791	500.00	7.40	1389.24	.33	3.37	.02	133.68	494.82	2.81	55.21	49.85	55.00
*	3.791	500.00	7.40	1389.76	.38	3.48	.00	103.36	436.08	3.28	.00	51.34	.00
*	3.888	510.00	5.88	1393.38	.16	4.12	.02	56.72	510.49	4.12	55.00	55.48	50.00
	3.888	510.00	5.88	1394.17	.33	4.41	.00	73.33	448.29	4.74	.00	55.48	.00
	3.984	505.00	6.34	1396.58	.29	3.16	.04	79.19	526.10	3.99	55.00	44.83	55.00
	3.984	505.00	6.34	1397.39	.35	3.22	.01	55.84	460.63	4.75	.00	46.75	.00
*	4.080	505.00	3.17	1399.03	.19	2.44	.01	37.57	541.33	4.94	55.00	39.03	55.00
	4.080	505.00	3.17	1400.26	.54	2.81	.06	56.69	471.49	5.82	55.00	42.26	.00
*	4.178	515.00	5.63	1401.99	.38	2.91	.06	94.34	557.99	4.82	55.00	44.65	55.00
	4.178	515.00	5.63	1402.98	.32	2.70	.02	47.80	483.30	5.85	.00	47.71	55.00
	4.273	500.00	6.40	1405.89	.42	3.89	.01	59.18	572.86	5.47	55.00	42.64	55.00
	4.273	500.00	6.40	1406.51	.88	3.37	.17	93.08	494.25	5.63	.00	42.92	55.00
	4.368	500.00	6.60	1409.78	.32	3.88	.01	106.73	586.70	6.15	55.00	70.65	55.00
	4.368	500.00	6.60	1410.79	.40	4.24	.05	77.44	503.96	7.10	.00	70.65	55.00
*	4.464	505.00	5.54	1412.41	.35	2.62	.01	38.21	599.79	5.95	55.00	40.17	55.00
	4.464	505.00	5.54	1413.39	.61	2.53	.06	44.62	513.37	6.68	.00	40.39	55.00

	SECNO	XLCH	K*CHSL	EB	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	4.541	406.00	5.42	1414.25	.50	1.80	.04	64.57	610.36	5.44	55.00	41.94	55.00
	4.541	406.00	5.42	1415.21	.60	1.82	.00	52.23	520.81	6.30	55.00	43.25	55.00
	4.635	495.00	5.86	1417.57	.66	3.28	.05	70.16	621.54	5.71	55.00	38.49	60.73
	4.635	495.00	5.86	1418.80	1.33	3.38	.22	96.60	528.37	6.27	55.00	39.01	.00
	4.731	505.00	6.34	1420.73	.31	3.13	.03	55.95	633.06	6.02	55.00	60.40	55.00
*	4.731	505.00	6.34	1421.66	.28	2.75	.10	35.42	537.80	6.98	55.00	60.40	55.00
	4.827	505.00	8.12	1424.38	.42	3.62	.03	86.20	645.16	5.46	.00	70.83	55.00
*	4.827	505.00	8.12	1424.71	.58	2.96	.09	103.02	549.01	5.63	.00	70.88	55.00
	4.918	480.00	4.37	1427.09	.28	2.69	.01	47.65	654.96	6.21	55.00	58.24	55.00
	4.918	480.00	4.37	1427.92	.45	3.21	.01	56.09	556.99	6.87	55.00	58.24	55.00
	5.011	490.00	5.51	1429.69	.26	2.59	.00	66.21	666.97	6.12	55.00	67.76	55.00
	5.011	490.00	5.51	1430.81	.45	2.88	.00	68.90	566.07	7.06	55.00	67.76	55.00
	5.106	500.00	5.00	1432.22	.34	2.51	.02	39.85	680.02	6.08	55.00	44.67	55.00
*	5.106	500.00	5.00	1433.14	.40	2.33	.00	33.61	576.52	6.94	55.00	44.93	.00
*	5.201	500.00	5.20	1435.55	1.08	2.85	.22	87.11	690.77	6.07	55.00	38.19	55.00
*	5.201	500.00	5.20	1436.78	1.73	2.75	.40	103.89	585.02	6.65	55.00	37.97	.00
	5.307	560.00	5.71	1439.10	.73	3.52	.04	48.93	700.89	6.77	55.00	35.96	55.00
*	5.307	560.00	5.71	1440.14	.77	3.26	.10	38.32	592.84	7.77	55.00	37.55	55.00
	5.414	565.00	7.08	1442.48	1.14	3.26	.12	71.55	710.66	5.75	55.00	37.86	55.00
*	5.414	565.00	7.08	1443.47	1.70	3.05	.28	84.01	600.35	6.17	.00	37.32	.00
	5.518	550.00	5.45	1445.67	.56	3.13	.06	46.83	720.70	6.50	55.00	39.51	55.00
	5.518	550.00	5.45	1446.94	.79	3.37	.09	46.71	607.83	7.54	.00	39.51	55.00
	5.626	570.00	4.39	1448.32	.73	2.61	.05	46.27	731.91	6.49	55.00	37.65	55.00
	5.626	570.00	4.39	1449.58	.99	2.58	.06	44.71	616.71	7.49	55.00	37.76	.00
	5.732	560.00	6.43	1451.32	.56	2.99	.02	63.68	741.88	6.06	55.00	48.81	57.62
	5.732	560.00	6.43	1452.13	.49	2.50	.05	44.66	625.70	6.94	.00	48.81	58.47
	5.824	485.00	5.15	1453.91	.25	2.55	.03	45.58	751.95	6.46	55.00	63.31	55.00
	5.824	485.00	5.15	1454.63	.41	2.50	.01	61.35	634.68	7.02	55.00	63.31	55.00
	5.934	580.00	4.83	1456.89	.22	2.98	.00	54.29	767.74	6.68	55.00	67.23	55.00
	5.934	580.00	4.83	1458.08	.37	3.45	.00	54.83	646.39	7.72	55.00	67.23	.00
*	6.033	525.00	5.90	1460.62	.48	3.65	.08	111.94	778.63	7.04	55.00	68.95	.00
	6.033	525.00	5.90	1461.69	.65	3.52	.08	98.29	654.80	7.94	55.00	69.97	.00
	6.144	590.00	6.95	1463.25	.37	4.62	.01	64.23	789.26	7.68	55.00	67.72	55.00
	6.144	590.00	6.95	1466.34	.54	4.63	.01	69.61	663.50	8.59	55.00	67.72	.00

	SECNO	XLOC	K*CHSL	EB	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	6.244	530.00	7.55	1468.03	.24	2.77	.01	47.02	800.64	6.59	55.00	64.90	55.00
	6.244	530.00	7.55	1469.06	.27	2.70	.03	40.91	673.84	7.60	.00	64.90	55.00
	6.364	635.00	6.93	1470.85	.51	2.73	.08	46.29	813.02	4.74	55.00	39.52	55.00
	6.364	635.00	6.93	1471.32	.44	2.20	.05	33.14	686.01	5.27	.00	39.52	.00
	6.480	610.00	5.41	1473.36	.56	2.50	.01	37.09	823.89	3.91	55.00	29.42	55.00
	6.480	610.00	5.41	1473.53	.61	2.16	.03	37.85	696.06	4.01	.00	29.58	.00
*	6.585	555.00	6.49	1476.72	.98	3.04	.13	90.42	832.11	3.24	55.00	29.83	55.00
*	6.585	555.00	6.49	1476.76	1.01	3.12	.12	91.92	703.54	3.25	.00	29.79	.00
*	6.697	590.00	5.25	1480.05	.21	3.25	.08	36.95	843.83	4.24	55.00	45.93	55.00
	6.697	590.00	5.25	1480.89	.44	4.07	.06	53.57	712.45	4.85	55.00	45.93	.00
	6.801	550.00	2.91	1482.88	.52	2.74	.10	69.95	857.25	5.16	55.00	47.75	55.00
	6.801	550.00	2.91	1483.90	.59	2.97	.04	53.53	722.40	6.11	.00	47.75	55.00
	6.908	565.00	7.26	1486.63	.72	3.69	.06	63.34	867.91	4.61	55.00	36.24	55.00
	6.908	565.00	7.26	1487.83	1.46	3.68	.26	87.11	729.49	5.08	.00	36.31	.00
	7.012	550.00	4.55	1489.68	.98	3.00	.05	48.84	876.61	5.00	55.00	32.89	55.00
*	7.012	550.00	4.55	1490.66	.85	2.77	.06	32.68	735.13	6.01	.00	32.43	.00
*	7.130	625.00	4.64	1494.36	.84	4.67	.00	128.99	885.38	6.82	55.00	63.88	55.00
*	7.130	625.00	4.64	1494.95	1.39	4.13	.16	197.02	741.61	6.86	.00	63.88	.00
*	7.232	540.00	5.74	1498.06	.18	3.64	.07	41.37	897.00	8.09	55.00	69.61	55.00
*	7.232	540.00	5.74	1499.19	.28	4.13	.11	40.38	749.93	9.11	55.00	69.61	55.00
	7.337	555.00	5.23	1500.54	.46	2.39	.08	44.96	910.67	7.38	55.00	53.22	55.00
	7.337	555.00	5.23	1501.50	.53	2.23	.08	40.10	760.06	8.27	.00	53.22	.00
	7.448	585.00	6.84	1503.31	.95	2.63	.15	44.77	919.82	5.67	55.00	32.84	55.00
	7.448	585.00	6.84	1503.69	.77	2.11	.07	32.68	767.93	6.21	.00	33.39	.00
	7.562	600.00	4.33	1506.92	.39	3.55	.06	80.62	929.02	7.23	55.00	69.00	55.00
*	7.562	600.00	4.33	1507.18	.69	3.49	.01	128.10	775.66	7.19	.00	69.00	55.00
*	7.666	550.00	5.64	1509.86	.24	2.92	.01	36.83	940.83	7.22	55.00	62.56	55.00
*	7.666	550.00	5.64	1511.00	.40	3.79	.03	42.25	784.20	8.20	55.00	62.56	55.00
	7.770	550.00	4.55	1512.30	.45	2.37	.06	51.84	951.88	6.94	55.00	60.78	55.00
	7.770	550.00	4.55	1513.13	.38	2.12	.00	35.63	793.69	7.85	.00	60.78	.00
	7.883	595.00	6.39	1515.77	.38	3.46	.01	67.65	962.18	6.69	55.00	68.12	55.00
*	7.883	595.00	6.39	1516.78	.81	3.52	.13	118.53	802.56	7.27	.00	68.12	55.00
	7.988	555.00	8.29	1518.79	.24	3.01	.01	44.83	973.43	5.26	55.00	58.68	42.40
*	7.988	555.00	8.29	1519.69	.18	2.85	.06	28.60	813.40	6.21	55.00	59.53	48.99

	SECNO	XLCH	K*CHBL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	8.092	550.00	6.18	1522.59	.47	3.73	.07	94.70	984.77	5.42	55.00	70.18	37.21
*	8.092	550.00	6.18	1523.45	.78	3.31	.18	161.57	824.98	5.97	55.00	70.18	39.23
	8.196	550.00	4.73	1526.58	.27	3.97	.02	56.73	994.45	7.01	.00	64.84	55.00
*	8.196	550.00	4.73	1527.61	.31	4.11	.05	42.96	832.70	8.00	.00	64.84	55.00
	8.301	555.00	4.86	1529.67	.30	3.09	.01	62.90	1004.35	7.38	55.00	71.05	55.00
	8.301	555.00	4.86	1530.57	.46	2.92	.04	74.23	841.05	8.11	.00	71.05	55.00
	8.407	560.00	7.50	1533.03	.22	3.35	.01	58.63	1015.70	6.61	55.00	71.08	55.00
	8.407	560.00	7.50	1534.17	.35	3.58	.01	55.83	849.74	7.62	55.00	71.08	.00
	8.524	620.00	5.81	1536.64	.43	3.55	.06	59.64	1027.68	6.41	55.00	56.06	55.00
	8.524	620.00	5.81	1537.82	.68	3.56	.10	61.45	858.18	7.35	55.00	56.06	.00
	8.634	580.00	5.00	1540.06	.30	3.41	.01	60.07	1038.35	7.06	55.00	63.45	55.00
	8.634	580.00	5.00	1541.25	.44	3.40	.02	56.29	865.77	8.10	55.00	63.45	.00
	8.736	540.00	5.19	1542.74	.19	2.67	.01	41.63	1050.02	7.05	55.00	69.99	55.00
	8.736	540.00	5.19	1543.78	.27	2.52	.02	39.40	874.84	8.01	55.00	69.99	55.00
	8.840	550.00	5.82	1545.37	.91	2.41	.22	46.12	1060.51	5.75	55.00	30.95	55.00
	8.840	550.00	5.82	1546.50	1.36	2.39	.33	48.16	862.32	6.44	.00	30.62	.00
	8.948	570.00	7.02	1547.61	.28	2.18	.06	32.22	1070.25	4.63	55.00	44.33	55.00
*	8.948	570.00	7.02	1548.41	.27	1.80	.11	22.39	889.87	5.44	.00	44.33	.00
*	9.053	555.00	6.67	1551.13	.77	2.59	.15	72.31	1080.10	3.96	55.00	32.79	55.00
*	9.053	555.00	6.67	1551.90	1.32	2.26	.31	95.13	897.72	4.18	.00	32.71	55.00
	9.158	555.00	5.23	1555.04	.31	3.86	.05	69.07	1089.75	5.42	50.54	57.68	56.05
	9.158	555.00	5.23	1556.10	.38	4.11	.09	60.67	905.35	6.43	59.17	57.68	56.80
	9.262	550.00	6.18	1557.98	.49	2.88	.05	39.93	1099.53	4.78	55.00	33.89	42.47
	9.262	550.00	6.18	1558.95	.74	2.73	.11	40.45	913.04	5.50	.00	34.60	.00
	9.375	595.00	5.55	1560.67	.61	2.66	.04	53.77	1107.51	4.05	55.00	31.83	37.81
	9.375	595.00	5.55	1561.48	.73	2.54	.00	45.78	918.86	4.75	.00	33.43	32.71
	9.481	560.00	3.57	1563.99	.20	3.28	.04	63.39	1116.87	5.79	60.21	64.00	55.00
	9.481	560.00	3.57	1564.90	.40	3.39	.03	83.05	925.46	6.50	.00	64.00	55.00
	9.585	550.00	7.27	1567.86	.16	3.87	.00	80.26	1128.27	5.71	55.00	71.50	55.00
	9.585	550.00	7.27	1568.73	.19	3.81	.02	58.60	934.51	6.55	.00	71.53	.00
	9.691	560.00	8.39	1571.95	.15	4.08	.00	66.65	1140.74	5.10	55.00	68.59	55.00
	9.691	560.00	8.39	1572.93	.33	4.15	.04	94.11	944.24	5.90	55.00	68.68	55.00
*	9.765	390.00	5.90	1573.51	.08	1.56	.01	30.14	1150.41	4.43	55.00	60.33	55.00
*	9.765	390.00	5.90	1574.59	.12	1.64	.02	25.56	951.58	5.48	.00	61.06	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	9.783	94.80	28.48	1573.88	.15	.35	.02	46.82	1152.95	2.03	55.00	28.41	55.00
*	9.783	94.80	28.48	1574.99	.35	.33	.07	53.28	953.53	2.95	.00	26.64	55.06
	9.888	555.00	2.70	1576.86	.14	2.97	.00	57.42	1166.58	3.52	55.00	57.09	55.00
	9.888	555.00	2.70	1577.91	.17	2.89	.02	48.01	964.33	4.54	.00	60.61	55.00
*	9.997	575.00	4.87	1581.47	.27	4.58	.04	117.53	1178.26	5.20	55.00	82.12	55.00
*	9.997	575.00	4.87	1582.38	.30	4.43	.04	143.19	974.86	6.07	.00	82.52	55.00
*	10.103	560.00	5.89	1584.19	.27	2.71	.00	34.81	1187.31	4.62	55.00	32.40	55.00
*	10.103	560.00	5.89	1585.37	.40	2.96	.03	33.18	982.46	5.67	.00	35.98	55.00
*	10.207	550.00	4.91	1586.86	.15	2.67	.01	71.95	1199.20	4.71	55.00	75.65	46.81
*	10.207	550.00	4.91	1587.95	.23	2.56	.02	72.20	991.65	5.72	55.00	75.65	.00
	10.311	550.00	5.45	1589.63	.10	2.76	.01	37.02	1213.49	4.53	55.00	61.32	55.00
*	10.311	550.00	5.45	1590.70	.17	2.75	.01	36.61	1002.52	5.54	55.00	61.32	55.00
*	10.415	550.00	5.45	1593.18	.26	3.50	.05	118.58	1227.62	4.92	55.00	73.40	55.00
*	10.415	550.00	5.45	1594.29	.46	3.50	.09	117.01	1012.71	5.83	55.00	73.40	55.00
*	10.521	560.00	6.96	1596.47	.14	3.28	.01	36.62	1239.41	4.43	55.00	58.97	55.00
*	10.521	560.00	6.96	1597.52	.24	3.21	.02	34.83	1021.00	5.38	55.00	58.97	55.00
*	10.606	450.00	3.11	1599.04	.17	2.56	.01	105.37	1249.56	5.57	55.00	78.47	55.00
*	10.606	450.00	3.11	1599.85	.21	2.33	.00	84.97	1029.08	6.34	.00	78.47	.00
*	10.681	395.00	6.84	1601.05	.26	1.99	.03	30.91	1257.82	4.80	55.00	37.70	55.00
*	10.681	395.00	6.84	1602.13	.54	2.18	.10	39.08	1035.05	5.59	55.00	39.15	.00
*	10.787	560.00	5.36	1604.58	.59	3.43	.10	183.86	1267.65	4.99	55.00	63.60	55.00
*	10.787	560.00	5.36	1605.64	.62	3.49	.02	115.62	1041.55	6.02	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.75	.14	4.12	.05	40.77	1279.40	5.61	55.00	58.50	55.00
*	10.890	550.00	7.27	1609.63	.26	3.96	.04	48.83	1050.34	6.38	.00	58.50	55.00

SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= .261 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= .309 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= .309 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= .309 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= .309 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= .309 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= .309 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= .428 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO= .428 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= .428 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .514 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= .514 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .625 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= .625 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .745 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .825 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= .923 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.021 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.078 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 1.078 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 1.208 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.208 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.296 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.296 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 1.406 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.753 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO= 1.753 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO= 1.753 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 1.857 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 1.857 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 1.949 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.949 PROFILE= 1 MINIMUM SPECIFIC ENERGY

```
CAUTION SECNO=     2.340  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     2.340  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=     2.340  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.438  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.438  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     2.549  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     2.549  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     2.549  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     2.549  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     2.549  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     2.593  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.634  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.634  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.730  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.730  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.826  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.826  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.919  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.919  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.109  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=     3.109  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.109  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     3.190  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.190  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.247  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.247  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     3.251  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.251  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.251  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.251  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.251  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.251  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.253  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.253  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.254  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.254  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.254  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

```
CAUTION SECNO=     3.254  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.254  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.254  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.256  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.256  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.256  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.256  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.256  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.256  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.257  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.257  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.257  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.257  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.257  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.257  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.259  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.259  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.259  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.259  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.259  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.259  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.259  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.259  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.264  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.264  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.302  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.302  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.306  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.306  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.328  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.328  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.507  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.507  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.601  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.601  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.696  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.696  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

```
WARNING SECNO=     3.791  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.791  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.888  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.080  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.178  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.464  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.731  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.827  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     5.106  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     5.201  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     5.201  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     5.201  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     5.201  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     5.307  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     5.414  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     6.033  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     6.585  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     6.585  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=     6.585  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     6.697  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.012  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.130  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.130  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.232  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.232  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.562  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.666  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.666  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.863  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.988  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

```
WARNING SECNO=     8.092  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=     8.092  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     8.092  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     8.196  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     8.948  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     9.053  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     9.053  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     9.053  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     9.053  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     9.765  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     9.765  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     9.783  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     9.997  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     9.997  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.103  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.103  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.207  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.207  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.311  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.415  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.415  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.521  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.521  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.606  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.606  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.681  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.681  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.787  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.787  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.890  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.890  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
.173	354.	574.	5.3	1254.1	1253.1	1.0
.261	523.	999.	3.0	1258.1	1257.1	1.0
.309	177.	377.	8.1	1260.1	1259.3	.8
.428	526.	1068.	2.8	1265.8	1264.8	1.0
.514	361.	609.	5.0	1268.6	1268.2	.4
.625	308.	826.	3.7	1273.6	1272.6	1.0
.745	278.	642.	4.7	1277.0	1276.5	.5
.825	210.	598.	5.1	1281.0	1280.0	1.0
.923	293.	775.	3.9	1284.8	1284.0	.8
1.021	119.	432.	7.0	1288.1	1287.2	.9
1.078	258.	772.	3.9	1290.3	1289.7	.6
1.208	326.	598.	5.1	1293.5	1292.6	.9
1.296	189.	464.	6.6	1297.1	1296.1	1.0
1.406	182.	556.	5.5	1301.5	1300.5	1.0
1.466	154.	534.	5.7	1302.9	1302.3	.6
1.592	190.	521.	5.8	1306.5	1306.3	.2
1.753	221.	517.	5.9	1314.2	1313.3	.9
1.857	192.	548.	5.6	1318.4	1317.4	1.0
1.949	108.	374.	8.1	1320.7	1320.1	.6
2.088	216.	552.	5.5	1326.2	1325.2	1.0
2.215	285.	668.	4.6	1331.8	1330.9	.9
2.340	269.	375.	8.1	1337.9	1337.0	.9
2.438	130.	519.	6.3	1341.0	1340.0	1.0
2.549	275.	447.	7.3	1344.8	1343.9	.9
2.593	275.	709.	4.6	1347.9	1346.9	1.0
2.634	234.	446.	7.3	1349.2	1348.8	.4
2.730	448.	1153.	2.8	1352.9	1351.9	1.0
2.826	314.	615.	5.3	1355.0	1354.2	.8
2.919	269.	700.	4.7	1357.9	1357.1	.8
3.014	227.	733.	4.5	1359.6	1359.1	.5
3.109	126.	344.	9.5	1361.4	1361.6	-.2
3.190	74.	414.	7.9	1365.1	1364.5	.6
3.247	57.	327.	10.0	1366.1	1365.1	1.0
3.251	47.	250.	13.1	1366.3	1366.3	.0
3.253	47.	388.	8.5	1368.4	1368.4	.0
3.254	47.	249.	13.1	1368.5	1368.5	.0
3.256	47.	250.	13.1	1371.5	1371.5	.0
3.257	47.	250.	13.1	1374.6	1374.6	.0
3.259	47.	250.	13.1	1377.6	1377.6	.0
3.259	47.	418.	7.8	1379.8	1379.8	.0
3.259	47.	516.	6.4	1380.2	1380.2	.0
3.262	47.	516.	6.3	1380.3	1380.3	.0

FLOODWAY DATA, DA685 WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
3.264	47.	301.	10.9	1379.6	1379.6	.0
3.267	47.	302.	10.9	1379.7	1379.7	.0
3.269	47.	305.	10.7	1379.7	1379.7	.0
3.273	47.	309.	10.6	1379.8	1379.8	.0
3.282	47.	316.	10.4	1380.0	1380.0	.0
3.284	54.	403.	8.1	1380.8	1380.8	.0
3.285	60.	472.	7.0	1381.2	1381.2	.0
3.287	72.	596.	5.5	1381.5	1381.5	.0
3.291	127.	940.	3.5	1381.9	1381.9	.0
3.299	142.	1005.	3.3	1381.9	1381.9	.0
3.302	200.	1462.	2.2	1382.1	1382.1	.0
3.306	326.	2308.	1.4	1382.1	1382.1	.0
3.328	1100.	6352.	.8	1382.1	1382.1	.0
3.418	1396.	8746.	.6	1382.2	1382.2	.0
3.507	1029.	4154.	1.2	1382.2	1382.2	.0
3.601	741.	1289.	3.8	1382.5	1382.5	.0
3.696	368.	949.	5.2	1385.9	1385.6	.3
3.791	462.	1007.	4.9	1389.4	1388.9	.5
3.888	376.	1079.	4.6	1393.8	1393.2	.6
3.984	367.	1049.	4.7	1397.1	1396.3	.8
4.080	251.	856.	5.8	1399.7	1398.8	.9
4.178	361.	1114.	4.5	1402.6	1401.6	1.0
4.273	213.	699.	7.1	1405.7	1405.5	.2
4.368	305.	994.	5.0	1410.4	1409.5	.9
4.464	281.	950.	5.2	1412.8	1412.1	.7
4.541	230.	827.	5.5	1414.6	1413.7	.9
4.635	154.	540.	8.4	1417.5	1416.9	.6
4.731	284.	1117.	4.1	1421.4	1420.4	1.0
4.827	183.	756.	6.0	1424.2	1424.0	.2
4.918	192.	855.	5.3	1427.5	1426.8	.7
5.011	208.	858.	5.3	1430.3	1429.4	.9
5.106	224.	960.	4.7	1432.8	1431.9	.9
5.201	141.	506.	9.0	1435.1	1434.5	.6
5.307	159.	749.	6.1	1439.4	1438.4	1.0
5.414	84.	435.	10.5	1441.7	1441.3	.4
5.518	194.	750.	6.1	1446.1	1445.1	1.0
5.626	120.	625.	7.3	1448.6	1447.6	1.0
5.732	160.	781.	5.3	1451.7	1450.8	.9
5.824	289.	850.	4.9	1454.3	1453.7	.6
5.934	207.	861.	4.8	1457.7	1456.7	1.0
6.033	136.	643.	6.5	1461.0	1460.1	.9
6.144	120.	702.	5.9	1465.8	1464.9	.9

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.244	267.	1028.	4.0	1468.8	1467.8	1.0
6.364	194.	776.	5.4	1470.8	1470.3	.5
6.480	225.	660.	6.3	1472.9	1472.8	.1
6.585	233.	514.	8.1	1475.7	1475.7	.0
6.697	234.	802.	5.2	1480.4	1479.8	.6
6.801	210.	756.	5.5	1483.4	1482.4	1.0
6.908	92.	387.	9.7	1486.4	1485.9	.5
7.012	99.	506.	7.4	1489.8	1488.8	1.0
7.130	75.	396.	9.5	1493.5	1493.5	.0
7.232	284.	947.	4.0	1498.9	1497.9	1.0
7.337	100.	642.	5.8	1501.0	1500.1	.9
7.448	112.	531.	7.1	1502.9	1502.4	.5
7.562	163.	580.	6.5	1506.5	1506.5	.0
7.666	148.	754.	5.0	1510.6	1509.6	1.0
7.770	117.	760.	4.9	1512.7	1511.8	.9
7.883	138.	548.	6.8	1516.0	1515.4	.6
7.988	514.	1158.	3.2	1519.6	1518.6	1.0
8.092	321.	473.	7.1	1522.6	1522.1	.5
8.196	176.	750.	4.5	1527.3	1526.3	1.0
8.301	176.	648.	5.2	1530.1	1529.4	.7
8.407	162.	709.	4.7	1533.8	1532.8	1.0
8.524	86.	508.	6.6	1537.1	1536.2	.9
8.634	127.	637.	5.3	1540.8	1539.8	1.0
8.736	199.	828.	4.0	1543.6	1542.6	1.0
8.840	72.	358.	9.3	1545.2	1544.5	.7
8.948	180.	795.	4.2	1548.1	1547.3	.8
9.053	158.	432.	7.7	1550.6	1550.4	.2
9.158	308.	792.	4.2	1555.7	1554.7	1.0
9.262	102.	426.	6.9	1558.2	1557.5	.7
9.375	132.	436.	6.8	1560.8	1560.1	.7
9.481	166.	586.	5.0	1564.5	1563.8	.7
9.585	257.	849.	3.5	1568.5	1567.7	.8
9.691	251.	647.	4.5	1572.6	1571.8	.8
9.765	382.	1089.	2.7	1574.4	1573.4	1.0
9.783	380.	730.	4.0	1574.6	1573.7	.9
9.888	445.	907.	3.2	1577.7	1576.7	1.0
9.997	339.	688.	4.3	1582.1	1581.2	.9
10.103	256.	689.	4.3	1584.9	1583.9	1.0
10.207	303.	771.	3.8	1587.7	1586.7	1.0
10.311	379.	952.	3.1	1590.5	1589.5	1.0
10.415	189.	553.	5.3	1593.8	1592.9	.9
10.521	183.	759.	3.9	1597.3	1596.3	1.0

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
10.606	262.	808.	3.6	1599.7	1598.9	.8
10.681	139.	522.	5.6	1601.6	1600.8	.8
10.787	184.	498.	5.9	1605.0	1604.0	1.0
10.890	364.	865.	3.6	1609.4	1608.6	.8

25JUN93 13:20:05

THIS RUN EXECUTED 25JUN93 13:20:05

```
************************************
HEC-2 WATER SURFACE PROFILES

Version   4.6.2;  May 1991
************************************
```

Evaluation of Floodway Concept upstream of Sec. 10.89 To Create Floodway in Main Channel and East Split, Conveying Total Flow and Restricting Flow To Floodplain Limits.

Note: 10 Sections Had More Than (1) Foot Rise in WSEL. Therefore This Concept For Floodway Not Applicable

```
T1      DAGGS WASH FIS          FCDMC CONTRACT NO.:92-08        FILE:DGWH8
T2      100-YEAR WATER SURFACE PROFILE                  A-N WEST INC. PHX. AZ.
T3      DAGGS WASH  100-YEAR PROFILE          DATE:5\18\93   AMMENDED:6\17\93
T4      THIS FILE COPIED FROM DGWH6.DAT AND MODIFIED TO EVALUATE FLOODWAY
T5      UPSTREAM OF SEC. 10.89, WHICH HAS SEVERAL BREAKOUTS AND SPLITS OF FLOW

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        2                                                          1603.99

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

      1                -1                                                                15

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38       43        1        2       26       39       21       22       27       28
     53       54       68        0       38       13       14       15       55       26
     56       63        1       51        4       42       57        0       38       39
     33        3       10       11       12        5        7        8       16       17
     18        0      200

NC                                   .1       .3
QT       2     2943     2943
NH       5     .055   9977.3      .09    9993.6     .028   10025.0      .09   10040.0     .055
NH   10619
ET                        9.1                                                  9962.07  10146.53
        THIS MODEL WAS COPIED FROM THE EXISTING FLOODPLAIN MODEL(DGWH6)
        TO EVALUATE THE FLOODWAY UPSTREAM OF SEC. 10.89.
        THE FILE DATA WAS DELETED DOWNSTREAM OF SEC.10.787 FROM COPIED
        FILE(DGWH6) TO SIMPLIFY THIS ANALYSIS.
        THE TYPICAL EQUAL CONVEYANCE REDUCTION FLOODWAY ANALYSIS DID NOT APPLY
        UPSTREAM OF SEC. 10.89, BECAUSE OF THREE FLOW BREAKOUTS WHICH WERE
```

IDENTIFIED UPSTREAM OF SEC. 10.89.

********THE FOLLOWING IS A DISCUSSION OF THE APPROACH AND ASSUMPTIONS***
********MADE IN EVALUATING A FLOODWAY FOR THIS REACH OF DAGGS WASH.*****

THE WEST BREAKOUT WASH WAS ESTIMATED TO RECEIVE THE PEAK 1535 CFS
OF THE 100-YR. HYDROGRAPH BETWEEN SEC. 12.56 AND 12.179 AND RETURN
TO THE MAIN WASH AT SEC. 10.89.
THE EAST BREAKOUT WASH WAS ESTIMATED TO RECEIVE UP TO 749 CFS OF THE
100-YR HYDROGRAPH BETWEEN SEC. 12.275 AND 12.043 , WHICH IMMEDIATELY
RETURNED TO THE MAIN WASH AT SEC. 11.95.
THE EAST SPLIT FLOW WASH WAS ESTIMATED TO RECEIVE 829 CFS OF THE 100-YR.
HYDROGRAPH AT SEC. 11.512, WHICH RETURNED TO THE MAIN CHANNEL AT
SEC. 10.89.
A FLOODWAY ENCROACHMENT ON ALL THREE BREAKOUTS AND THE MAIN CHANNEL
DID NOT SEEM APPROPRIATE, AS THESE ENCROACHMENTS WOULD LIKELY ALTER
THE ESTIMATED FLOW DISTRIBUTIONS TO EACH BREAKOUT DETERMINED FOR
THE EXISTING FLOODPLAIN DELINEATION.
THE MAIN CHANNEL AND THE EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE FIRST FLOWS OF THE HYDROGRAPH.
A TYPICAL FLOODWAY INVOLVES THE TOTAL FLOW IN ONE WASH CROSS SECTION
WHEREIN THE OUTSIDE FRINGE OF THE FLOODPLAIN IS ALLOWED TO BE FILLED
IN , SO LONG AS THE REMAINING MAIN CHANNEL AND ADJACENT FLOODPLAIN
CONVEY THE TOTAL FLOW WITHOUT MORE THAN A 1 FT. RISE IN THE WSEL
DUE TO THE FILLING IN OF THE OUTER FRINGE OF THE CROSS-SECTION.
THE ONLY PRACTICAL FLOODWAY FOR THIS SITUATION, WHEREIN ENCROACHMENT
OF THE THE TOTAL IDENIFIED FLOODPLAIN WIDTH COULD BE MADE WITH A
REASONABLE ASSURANCE OF MAINTAINING A DEFINED FLOW DISTRIBUTION
SEEMED TO INVOLVE FORCING ALL FLOW FROM THE WEST AND EAST BREAKOUTS
INTO THE MAIN DAGGS WASH CHANNEL AND THE EAST SPLIT FLOW WASH.
THE MAIN CHANNEL AND EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE INITIAL FLOWS FROM THE HYDROGRAPH AND THEREFORE ARE THE
LOW FLOWPATHS FOR FLOW IN KEEPING WITH THE TYPICAL FLOODWAY CONCEPT.
IF THE MAIN CHANNEL AND EAST SPLIT RECEIVE ALL OF THE FLOW IT WOULD
SEEM LOGICAL AGAIN THAT AT A MINIMUM , THE RISE IN WATER SURF. ELEVS.
SHOULD BE NO MORE THAN ONE FOOT, IN KEEPING WITH THE TYPICAL FLOODWAY
CONCEPT, WITH NO ADDITIONAL WIDINNG OF THE EXIST. FLOODPLAIN.
THE FLOW DISTRIBUTION TO MAIN CHANNEL AND EAST SPLIT FLOW WASH WAS
ASSUMED TO BE PROPORTIONAL TO THE EXISTING FLOOPPLAIN ESTIMATED SPLIT.
THIS FLOODWAY ANALYIS, THEREFORE INVOLED FORCING THE TOTAL 100 YR
FLOW OF 3120 CFS IN THE MAIN CHANNEL AND EAST SPLIT FLOW WASH.
ENCROACHMENTS WERE ADDED ON THE SECOND PROFILE EQUAL TO THE EXISTING
FLOODPLAIN LT. AND RT. END STATIONS AS ABTAINED FROM FILE;DGWH6.
A RISE OF MORE THAN ONE FOOT WOULD BE CONSIDERED INAPPROPRIATE AND
INDICATE THAT A FLOODWAY FOR THIS REACH OF DAGGS WASH IS NOT APPLICABLE.
*********END DISCUSSION OF FLOODWAY EVALUATION METHODOLGY *********
CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM

CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. FORCEFED FROM EXIST. FLOODPLN. MODEL(DGWH6)
AND EQUAL CONVEYANCE REDUCTION METHOD FLOODWAY MODEL(DGWH7),RESPECTIVLY.

X1	10.787	59	9977.3	10040.0	0	0	0			
GR	1610.8	9682.6	1611.0	9688.4	1610.1	9698.7	1610.1	9700.0	1609.3	9705.0
GR	1609.4	9718.0	1609.8	9726.3	1609.7	9728.3	1608.2	9740.3	1607.4	9746.5
GR	1607.4	9749.0	1607.0	9785.6	1606.6	9798.3	1603.5	9834.8	1603.1	9845.2
GR	1602.7	9851.2	1602.7	9852.8	1602.7	9860.8	1602.7	9868.8	1602.5	9871.3
GR	1602.0	9878.3	1602.5	9884.8	1602.8	9886.4	1603.0	9905.9	1603.6	9977.3
GR	1600.5	9989.8	1599.5	9993.6	1599.5	10000.0	1599.0	10025.0	1600.5	10031.9
GR	1603.6	10040.0	1603.3	10064.8	1604.0	10076.9	1604.0	10109.4	1603.0	10110.9
GR	1601.4	10114.6	1600.0	10115.7	1600.6	10117.7	1602.0	10122.7	1603.3	10126.7
GR	1603.2	10131.4	1603.3	10151.7	1603.3	10189.5	1603.2	10211.0	1603.6	10243.9
GR	1603.3	10264.2	1602.9	10324.8	1604.7	10350.9	1605.6	10365.4	1606.3	10420.0
GR	1606.4	10433.0	1606.7	10451.2	1606.7	10470.7	1606.7	10477.1	1606.7	10481.6
GR	1606.8	10487.4	1608.3	10551.3	1608.6	10563.0	1609.5	10619		
NH	5	.055	9983.4	.09	9988.6	.028	10017.0	.09	10030.5	.055
NH	10921									
QT	2	3120	3120							
ET			9.1						9983.40	10347.52

THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF EAST SPLIT FLOW WASH FROM DAGGS WASH.
THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.(NOT MODELED FOR THIS FLOODWAY ANALYSIS).
THE EAST SPLIT FLOW OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

X1	10.89	75	9983.4	10030.5	550	570	550			
GR	1616.2	9693.6	1616.2	9697.2	1616.1	9707.6	1616.0	9710.7	1615.5	9730.6
GR	1610.9	9764.8	1608.9	9777.8	1608.0	9784.6	1607.4	9826.3	1607.3	9827.8
GR	1607.3	9828.5	1607.6	9890.9	1607.8	9904.7	1607.7	9926.5	1607.3	9946.8
GR	1607.4	9952.2	1607.1	9983.4	1604.4	9986.3	1603.0	9988.6	1603.1	10000.0
GR	1603.0	10017.0	1605.4	10024.0	1607.6	10030.5	1607.6	10055.8	1607.8	10084.5
GR	1607.5	10092.2	1606.9	10103.9	1607.1	10120.6	1606.9	10143.4	1606.9	10171.3
GR	1607.5	10182.9	1607.8	10191.3	1607.9	10200.0	1607.7	10260.7	1607.5	10330.8
GR	1607.3	10339.4	1607.1	10340.7	1606.0	10349.9	1606.7	10353.3	1607.3	10360.8
GR	1607.3	10422.2	1607.3	10468.3	1607.1	10470.7	1606.4	10474.8	1606.8	10480.0
GR	1607.3	10483.8	1606.9	10499.6	1606.8	10508.1	1606.4	10510.5	1606.4	10512.2
GR	1606.4	10514.0	1606.9	10517.5	1607.3	10529.2	1607.3	10545.5	1607.1	10566.1
GR	1606.3	10568.4	1605.0	10572.5	1606.0	10578.4	1607.2	10585.0	1607.6	10623.6
GR	1607.5	10645.8	1608.5	10671.0	1609.1	10680.3	1609.1	10684.1	1608.7	10696.9
GR	1608.4	10705.3	1608.7	10721.3	1608.8	10731.6	1609.3	10783.4	1609.9	10807.0
GR	1610.0	10815.3	1610.1	10818.8	1610.3	10830.6	1612.0	10898.7	1613.1	10921
NH	9	.055	9761.8	.09	9772.1	.028	9802.8	.09	9819.4	.055
NH	9945.0	.09	9956.1	.028	10000.0	.09	10036.3	.055	11072.9	
QT	2	756	1488							
ET		7.1					9903.3	10127.3		
ET			9.1						9903.3	10058.83

XI	10.996	89	9945.0	10036.3	560	555	555			
GR	1619.1	9652.6	1618.7	9670.0	1616.0	9687.6	1615.1	9693.9	1615.7	9696.1
GR	1616.3	9699.6	1616.7	9709.0	1617.8	9717.3	1618.8	9728.3	1619.7	9737.0
GR	1619.6	9743.6	1619.3	9748.3	1618.4	9751.4	1612.3	9761.8	1608.3	9770.0
GR	1606.0	9772.1	1606.0	9774.8	1605.4	9802.8	1606.6	9807.7	1609.5	9819.4
GR	1610.5	9881.8	1610.5	9903.3	1610.0	9945.0	1609.4	9946.5	1606.6	9956.1
GR	1606.4	9970.0	1607.3	10000.0	1609.4	10012.8	1610.2	10016.4	1610.8	10036.3
GR	1610.9	10066.3	1611.3	10127.3	1611.3	10145.7	1611.3	10150.2	1610.7	10152.2
GR	1610.0	10154.5	1611.2	10166.1	1611.3	10168.1	1611.4	10214.1	1611.4	10233.2
GR	1611.9	10327.5	1611.9	10343.4	1611.9	10350.6	1611.8	10366.9	1611.9	10429.8
GR	1612.7	10454.9	1612.7	10468.2	1612.7	10479.8	1612.7	10505.4	1612.4	10508.3
GR	1610.7	10514.5	1610.0	10516.3	1612.0	10527.6	1612.0	10527.7	1612.0	10527.8
GR	1612.0	10527.8	1612.0	10527.9	1612.0	10545.2	1612.0	10577.6	1613.2	10653.6
GR	1613.2	10658.0	1613.3	10726.8	1613.3	10730.9	1613.3	10731.3	1613.3	10733.7
GR	1612.7	10775.3	1613.1	10785.1	1614.5	10807.8	1613.5	10827.2	1613.3	10832.0
GR	1611.4	10845.2	1610.7	10850.4	1610.7	10859.1	1610.7	10868.0	1610.8	10868.8
GR	1611.8	10876.5	1612.1	10908.3	1612.0	10918.8	1610.7	10922.5	1610.7	10922.6
GR	1610.7	10923.7	1611.3	10935.2	1611.4	10936.8	1612.1	10988.1	1612.3	11006.8
GR	1612.5	11026.5	1613.2	11054.5	1613.3	11062.0	1614.2	11072.9		
NH	9	.055	9579.5	.09	9589.0	.028	9601.6	.09	9617.9	.055
NH	9972.0	.09	9983.6	.028	10004.0	.09	10064.6	.055	11192.9	
ET		7.1					9825.0	10064.6		
ET			9.1						9865.00	10058.13
XI	11.101	79	9944.8	10064.6	740	350	555			
GR	1620.7	9549.3	1620.3	9551.3	1614.3	9577.8	1614.0	9579.5	1611.1	9585.2
GR	1608.2	9589.0	1608.0	9593.4	1608.4	9601.6	1611.7	9609.9	1614.5	9617.9
GR	1613.4	9669.6	1613.3	9678.0	1613.3	9683.1	1613.8	9716.0	1614.0	9768.8
GR	1614.0	9793.8	1615.4	9822.3	1615.5	9825.0	1612.8	9872.4	1612.7	9879.0
GR	1612.9	9895.1	1612.9	9908.5	1612.9	9917.8	1612.3	9926.0	1612.0	9944.8
GR	1611.0	9972.0	1610.8	9976.4	1610.6	9981.9	1610.6	9983.6	1609.6	10004.0
GR	1610.7	10046.3	1614.6	10064.6	1614.5	10090.1	1614.2	10180.0	1614.3	10193.5
GR	1614.0	10262.2	1613.6	10270.7	1613.5	10321.6	1613.3	10328.2	1613.2	10329.8
GR	1613.3	10335.8	1614.0	10342.1	1614.0	10418.5	1614.0	10423.5	1613.8	10424.4
GR	1613.0	10428.4	1612.0	10433.4	1614.0	10441.4	1614.0	10441.5	1614.0	10442.0
GR	1613.3	10505.3	1612.6	10513.2	1612.0	10517.2	1612.9	10522.7	1613.3	10524.1
GR	1613.9	10562.7	1614.0	10569.1	1613.3	10572.5	1612.6	10575.2	1613.0	10583.3
GR	1613.4	10594.1	1614.0	10610.9	1614.0	10616.2	1614.7	10641.4	1616.0	10699.0
GR	1616.2	10703.8	1616.1	10742.7	1614.1	10865.9	1614.0	10870.5	1613.9	10874.1
GR	1612.7	10914.8	1612.7	10921.8	1613.6	10984.7	1615.1	11044.1	1615.3	11074.1
GR	1615.8	11088.5	1616.8	11148.9	1620.1	11184.7	1620.1	11192.9		
NH	9	.055	9402.4	.09	9418.2	.028	9434.8	.09	9458.3	.055
NH	9968.5	.09	9981.9	.028	10002.3	.09	10012.9	.055	10705.8	
ET		7.1					9639.4	10143.8		
ET			9.1						9712.57	10011.25
XI	11.205	90	9968.5	10095.6	500	555	550			
GR	1620	9160	1617.5	9258.2	1616.3	9321.7	1616.4	9331.0	1616.4	9335.8
GR	1616.5	9344.1	1615.8	9371.0	1614.6	9376.8	1615.2	9381.5	1616.0	9389.0
GR	1616.4	9402.4	1616.7	9410.3	1615.5	9412.2	1612.8	9418.2	1611.3	9420.9
GR	1611.0	9424.6	1610.3	9429.5	1613.8	9434.8	1617.7	9439.8	1617.0	9447.0
GR	1616.5	9458.3	1616.3	9464.7	1615.6	9471.5	1615.3	9474.0	1615.8	9478.6
GR	1616.7	9487.8	1616.7	9490.0	1616.7	9490.4	1616.8	9491.8	1617.6	9509.6
GR	1618.0	9517.8	1618.7	9635.3	1618.8	9637.9	1618.8	9639.2	1618.8	9639.4

GR	1618.7	9646.0	1618.0	9707.6	1617.4	9714.0	1617.3	9714.7	1617.8	9719.3
GR	1617.8	9724.0	1618.6	9756.5	1617.7	9760.8	1616.5	9766.5	1617.4	9772.6
GR	1618.2	9781.4	1618.0	9815.4	1618.0	9860.6	1618.0	9880.0	1618.0	9884.8
GR	1617.5	9886.4	1614.7	9894.3	1616.5	9900.6	1618.7	9908.9	1618.2	9950.8
GR	1618.1	9964.3	1618.0	9968.5	1617.4	9969.5	1614.3	9981.9	1614.6	10000.0
GR	1614.7	10001.6	1615.0	10002.3	1618.0	10012.9	1618.0	10095.6	1618.2	10143.8
GR	1617.7	10147.8	1617.3	10155.8	1618.3	10161.5	1618.8	10164.4	1618.6	10176.5
GR	1618.3	10233.2	1618.4	10258.7	1618.4	10292.9	1616.7	10296.7	1616.7	10296.8
GR	1616.7	10297.5	1616.9	10307.9	1616.8	10316.1	1616.7	10317.5	1617.4	10335.4
GR	1617.3	10336.2	1616.0	10346.0	1616.0	10346.3	1616.0	10346.4	1616.0	10346.4
GR	1618.0	10348.2	1618.2	10454.1	1617.8	10573.2	1618.2	10627.4	1620.1	10705.8
NH	9	.055	9498.9	.09	9514.3	.028	9523.3	.09	9532.7	.055
NH	9989.5	.09	10000.0	.028	10028.0	.09	10045.9	.055	10777.0	
ET		7.1					9827.9	10045.9		
ET			9.1						9827.90	10045.42
X1	11.309	95	9989.5	10045.9	680	550	550			
GR	1626.2	8819.5	1624.0	8842.5	1622.7	8934.3	1622.7	8949.7	1622.3	8954.8
GR	1622.4	9022.1	1622.1	9032.5	1620.5	9065.9	1620.3	9069.3	1620.0	9075.2
GR	1620.0	9137.5	1620.0	9155.5	1620.4	9165.8	1620.7	9173.1	1616.3	9182.2
GR	1615.2	9184.5	1615.1	9185.0	1619.9	9195.1	1620.7	9197.2	1620.7	9198.5
GR	1620.0	9200.4	1615.6	9210.3	1617.3	9215.2	1620.9	9228.8	1620.7	9235.1
GR	1622.0	9384.3	1622.0	9437.1	1621.5	9454.7	1621.4	9460.3	1621.3	9471.7
GR	1621.3	9476.9	1621.7	9498.9	1620.4	9504.2	1616.0	9514.3	1616.1	9519.5
GR	1616.4	9523.3	1619.7	9528.2	1621.5	9532.7	1621.5	9587.5	1621.7	9621.7
GR	1621.2	9684.2	1621.2	9699.7	1621.3	9701.0	1621.7	9711.8	1622.0	9756.6
GR	1621.3	9800.8	1621.3	9801.3	1620.0	9811.5	1620.3	9816.7	1622.4	9827.9
GR	1622.0	9877.9	1622.0	9879.9	1621.9	9880.4	1621.3	9893.5	1621.3	9893.5
GR	1621.5	9921.4	1622.0	9989.5	1621.9	9989.7	1618.0	10000.0	1618.0	10018.3
GR	1618.0	10028.0	1621.5	10043.5	1622.7	10045.9	1622.3	10074.3	1621.8	10114.1
GR	1622.0	10151.7	1622.9	10188.8	1620.8	10196.0	1620.3	10198.8	1620.8	10201.1
GR	1622.2	10209.2	1622.2	10231.9	1622.4	10280.2	1621.7	10326.8	1622.0	10414.5
GR	1621.8	10416.0	1620.8	10422.5	1621.3	10428.0	1621.3	10428.5	1621.3	10432.2
GR	1621.2	10481.3	1621.5	10511.0	1620.7	10516.7	1619.9	10521.4	1620.6	10528.1
GR	1621.6	10533.0	1622.6	10600.0	1622.7	10614.1	1622.7	10631.3	1623.3	10635.8
GR	1624.2	10654.5	1625.2	10664.5	1625.5	10669.5	1627.7	10722.4	1630.6	10777.0
NH	10	.055	9679.9	.09	9690.8	.028	9704.4	.09	9719.3	.055
NH	9971.8	.09	9982.0	.055	9996.7	.028	10013.2	.09	10032.1	.055
NH	10857									
ET		7.1					9760.6	10082.3		
ET			9.1						9973.51	10026.05
X1	11.405	80	9971.8	10032.1	700	350	505			
GR	1631.9	9525.2	1631.9	9528.7	1632.0	9531.7	1631.5	9534.8	1628.6	9556.7
GR	1628.2	9560.7	1625.4	9602.4	1624.7	9606.7	1624.7	9614.7	1624.6	9617.8
GR	1624.5	9617.9	1622.7	9624.5	1624.8	9630.9	1625.3	9632.7	1626.0	9677.1
GR	1626.0	9677.8	1626.0	9678.2	1625.5	9679.9	1621.9	9690.8	1621.7	9692.8
GR	1622.0	9702.4	1622.0	9704.4	1624.3	9711.5	1626.6	9719.3	1626.6	9760.6
GR	1626.3	9881.7	1626.3	9902.0	1626.2	9922.5	1626.0	9941.5	1625.4	9948.2
GR	1625.8	9961.5	1625.8	9971.8	1623.1	9982.0	1620.7	9990.4	1620.7	9990.4
GR	1623.4	9996.3	1620.8	9996.7	1620.8	10000.0	1621.0	10005.4	1621.2	10013.2
GR	1622.0	10015.6	1622.7	10018.3	1625.5	10026.5	1625.6	10032.1	1625.8	10082.3
GR	1625.8	10101.0	1625.8	10104.2	1626.0	10111.7	1625.7	10163.3	1626.6	10213.6
GR	1626.8	10220.2	1626.8	10220.7	1626.6	10224.9	1626.5	10232.7	1624.7	10362.2

```
GR   1624.6   10386.1    1624.3   10388.0    1623.3   10390.0    1623.5   10392.5    1624.0   10400.4
GR   1624.6   10416.6    1624.7   10418.2    1624.6   10419.0    1623.3   10428.2    1624.4   10434.8
GR   1624.8   10439.6    1623.9   10489.2    1623.7   10541.0    1623.7   10548.0    1623.7   10553.8
GR   1626.0   10683.1    1626.0   10686.7    1626.0   10697.4    1626.2   10721.8    1627.5   10743.9
GR   1628.3   10795.8    1628.4   10801.6    1628.8   10812.1    1628.9   10815.3    1632.0    10857

NH       13      .055    9802.4       .09    9825.3      .028    9841.2       .09    9856.2      .055
NH   9895.5       .09    9926.8      .028    9940.3       .09    9954.9      .055    9988.0       .09
NH   9996.8      .028   10016.4       .09   10024.7      .055   10753.5
ET                7.1                                          9895.5   10174.0
ET                         9.1                                                      9916.29   10050.93
      DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.
      THIS WAS CONSIDERED UPSTREAM LIMIT OF EAST (LT. SIDE) BREAKOUT
      OF FLOW WHICH RETURNS AT SEC, 10.89.BREAKOUT TO EAST SIDE WAS BASED ON
      LEFT OVERBANK FLOW DISTRIBUTION FROM PRVIOUS RUN.
      THE FLOW WAS CONSIDERED CAPABLE OF SHIFTING FLOW DISTRIBUTIONS TO
      MAINTAIN RELATIVLY EQUAL WATER SURF.ELV. ACROSS CROSS-SECTION UPSTREAM
      OF SEC. 11.512 TO SECTION 11.95.
X1   11.512        95    9895.5   10055.5       510       600       565
GR   1635.3    9226.0    1631.3    9322.4    1630.2    9359.3    1630.1    9364.3    1630.1    9382.7
GR   1630.4    9394.6    1629.6    9408.9    1629.5    9412.6    1629.3    9420.2    1628.3    9458.4
GR   1628.3    9469.0    1628.1    9480.1    1627.6    9508.8    1627.1    9512.2    1626.7    9517.2
GR   1627.2    9519.6    1627.6    9521.7    1628.8    9553.7    1628.8    9562.7    1628.3    9577.4
GR   1628.0    9594.2    1627.3    9612.3    1627.3    9613.4    1626.0    9633.1    1624.1    9638.0
GR   1624.9    9642.5    1625.3    9644.7    1625.4    9644.9    1625.4    9649.4    1625.9    9674.8
GR   1625.9    9676.2    1625.9    9677.7    1624.7    9684.9    1626.6    9689.3    1626.7    9689.6
GR   1626.7    9696.6    1626.8    9697.4    1628.0    9725.6    1628.1    9734.0    1628.7    9760.5
GR   1628.7    9786.7    1628.5    9795.7    1628.2    9802.4    1627.3    9818.9    1626.6    9825.3
GR   1625.7    9829.9    1626.1    9836.3    1626.4    9841.2    1627.1    9846.9    1628.3    9856.2
GR   1628.7    9872.8    1628.7    9895.5    1628.4    9914.8    1628.0    9923.8    1626.8    9925.0
GR   1626.0    9926.8    1626.0    9927.5    1626.0    9931.4    1626.0    9934.9    1625.6    9940.3
GR   1626.8    9944.4    1627.3    9946.6    1627.3    9954.9    1627.0    9978.4    1627.0    9988.0
GR   1626.0    9994.1    1625.3    9996.8    1625.1   10000.0    1625.0   10015.4    1625.1   10016.4
GR   1625.3   10017.5    1625.7   10020.8    1626.3   10024.7    1627.4   10038.2    1628.3   10050.7
GR   1629.0   10055.5    1629.0   10056.8    1629.6   10105.9    1630.1   10174.0    1629.3   10235.7
GR   1628.9   10262.4    1629.2   10293.1    1629.2   10313.4    1629.1   10360.8    1629.0   10392.7
GR   1628.7   10396.2    1628.7   10400.7    1629.3   10403.2    1630.0   10415.6    1629.9   10438.2
GR   1630.3   10565.2    1630.8   10598.6    1632.7   10665.8    1633.3   10697.5    1635.1   10753.5

NH        9      .055    9869.1       .09    9885.9      .028    9905.2       .09    9917.5      .055
NH   9973.1       .09    9988.3      .028   10001.9       .09   10012.3      .055   10790.7
QT        2      1585      3120
ET                7.1                                          9544.8   10054.3
ET                         9.1                                                      9619.91   10051.79
X1   11.578        95    9869.1   10012.3       380       250       350
GR   1635.3    9154.6    1634.8    9193.6    1634.5    9201.3    1633.5    9242.2    1633.3    9279.5
GR   1632.0    9383.4    1632.2    9392.6    1632.7    9410.4    1632.7    9420.1    1632.7    9424.7
GR   1632.7    9426.0    1633.3    9434.8    1633.3    9441.2    1633.4    9443.4    1634.4    9475.7
GR   1634.4    9544.8    1631.8    9608.8    1630.9    9622.4    1628.5    9632.5    1630.0    9640.7
GR   1630.0    9640.8    1630.0    9641.0    1629.9    9641.5    1629.2    9643.4    1629.4    9645.4
GR   1628.5    9648.7    1628.0    9651.2    1629.3    9658.5    1630.0    9660.3    1629.7    9663.0
GR   1629.3    9669.4    1629.9    9678.4    1630.0    9679.8    1630.2    9683.7    1630.6    9693.9
GR   1631.2    9708.3    1630.9    9710.6    1630.6    9712.5    1628.0    9720.1    1629.3    9724.9
GR   1630.7    9730.1    1631.3    9754.3    1631.2    9755.5    1631.1    9756.5    1630.0    9761.5
```

GR	1630.0	9768.4	1630.0	9770.0	1630.1	9775.2	1630.4	9789.5	1632.0	9858.3
GR	1632.0	9869.1	1631.7	9871.5	1629.3	9885.9	1628.9	9899.0	1628.8	9905.2
GR	1631.6	9915.3	1631.9	9917.5	1631.6	9951.4	1631.3	9973.1	1631.1	9974.3
GR	1626.7	9988.3	1627.3	10000.0	1627.3	10001.0	1627.5	10001.9	1630.8	10012.3
GR	1630.7	10034.8	1630.7	10035.3	1630.7	10035.5	1630.7	10045.0	1631.2	10054.3
GR	1630.7	10257.8	1632.0	10401.0	1632.0	10403.4	1631.8	10403.7	1630.6	10411.9
GR	1631.7	10416.3	1632.2	10418.8	1632.0	10457.2	1631.7	10477.6	1631.9	10484.1
GR	1632.5	10508.9	1631.3	10514.9	1631.3	10515.3	1631.4	10517.4	1631.9	10535.4
GR	1632.0	10539.4	1632.0	10540.5	1632.9	10601.3	1633.1	10627.2	1633.6	10659.2
GR	1633.8	10682.2	1633.9	10710.5	1634.0	10728.7	1636.8	10784.4	1636.2	10790.7
NH	7	.055	9911.3	.09	9932.4	.028	9953.7	.09	9978.2	.028
NH	10024	.09	10038.5	.055	10581.1					
ET		7.1					9419.9	10581.1		
ET			9.1						9606.95	10121.43
XI	11.642	95	9911.3	10038.5	285	440	340			
GR	1639.9	8964.7	1638.7	8993.1	1638.3	8998.3	1637.7	9023.5	1636.5	9077.2
GR	1636.0	9111.5	1635.3	9142.5	1635.3	9145.9	1635.2	9150.6	1635.4	9187.3
GR	1635.0	9218.9	1634.1	9252.4	1634.0	9255.7	1634.0	9256.4	1635.1	9275.5
GR	1635.1	9283.7	1634.9	9290.2	1634.7	9295.7	1635.4	9299.5	1636.0	9319.4
GR	1636.8	9346.7	1637.0	9352.0	1637.2	9357.7	1637.6	9388.4	1638.1	9419.0
GR	1638.1	9419.9	1637.8	9436.8	1637.0	9493.7	1636.3	9516.2	1636.0	9528.4
GR	1635.5	9555.9	1635.1	9572.1	1635.0	9579.6	1634.1	9597.7	1632.2	9627.7
GR	1632.0	9647.9	1632.0	9647.9	1632.0	9648.1	1632.0	9653.7	1632.3	9671.6
GR	1630.8	9676.3	1629.3	9678.9	1630.4	9682.5	1632.0	9684.7	1632.0	9690.8
GR	1631.6	9694.3	1632.0	9699.4	1632.7	9702.2	1632.7	9706.8	1632.7	9711.0
GR	1630.5	9716.2	1630.0	9717.8	1631.4	9722.8	1632.4	9726.9	1632.7	9728.4
GR	1632.6	9730.3	1632.0	9742.0	1632.4	9747.0	1633.3	9759.5	1633.3	9813.0
GR	1633.3	9911.3	1631.8	9927.3	1630.7	9932.4	1630.4	9939.8	1631.1	9953.7
GR	1631.1	9962.0	1631.1	9972.7	1630.5	9978.2	1630.0	9983.1	1629.7	10000.0
GR	1628.9	10012.0	1629.6	10024	1632.8	10036.4	1633.2	10038.5	1633.1	10073.8
GR	1633.1	10093.3	1633.2	10097.7	1633.3	10105.7	1633.5	10121.0	1634.0	10136.1
GR	1634.6	10148.0	1636.1	10176.5	1637.8	10206.5	1638.0	10234.4	1638.0	10314.5
GR	1637.9	10319.4	1637.9	10319.8	1636.2	10371.8	1636.0	10415.2	1635.5	10444.5
GR	1635.4	10445.7	1635.5	10462.0	1635.4	10472.0	1636.0	10495.4	1637.3	10581.1
NH	7	.055	9987.0	.09	9998.8	.028	10011.0	.09	10050.2	.028
NH	10116	.09	10137.3	.055	10430.0					
ET		7.1					9435.5	10200.0		
ET			9.1						9640.96	10135.67
XI	11.717	95	9987.0	10137.3	340	410	395			
GR	1642.0	9033.2	1641.9	9035.2	1641.9	9037.2	1641.2	9058.4	1638.8	9127.3
GR	1638.7	9262.2	1638.7	9263.6	1640.4	9328.8	1640.7	9352.2	1640.7	9373.6
GR	1641.1	9386.6	1640.9	9394.2	1640.7	9407.4	1640.9	9415.1	1641.1	9422.5
GR	1640.2	9435.5	1639.3	9449.1	1639.4	9462.8	1639.5	9480.0	1640.2	9491.0
GR	1640.2	9496.1	1639.6	9510.0	1639.3	9523.0	1639.2	9533.1	1638.2	9597.7
GR	1637.4	9617.5	1635.3	9648.4	1635.3	9657.0	1635.3	9688.9	1633.7	9693.2
GR	1633.3	9694.2	1634.0	9696.9	1635.3	9702.9	1635.3	9710.0	1635.3	9711.0
GR	1635.3	9711.3	1634.8	9713.1	1632.7	9719.6	1634.8	9725.7	1635.8	9729.5
GR	1635.1	9739.9	1634.7	9745.1	1634.8	9748.1	1635.3	9762.4	1635.3	9772.0
GR	1635.3	9783.1	1634.8	9785.2	1633.7	9787.1	1634.6	9792.3	1635.5	9798.0
GR	1634.9	9805.6	1634.7	9807.9	1634.7	9813.1	1634.6	9815.3	1634.8	9816.8
GR	1635.3	9823.5	1635.4	9849.6	1635.4	9877.0	1635.7	9910.0	1636.0	9933.0
GR	1636.4	9987.0	1633.2	9997.5	1632.7	9998.8	1632.8	10000.0	1633.0	10011.0

GR	1634.7	10019.5	1635.5	10022.9	1636.3	10033.7	1637.0	10041.3	1635.6	10045.3
GR	1633.6	10050.2	1633.6	10089.1	1633.8	10102.9	1633.8	10111.6	1633.3	10116
GR	1634.9	10128.2	1635.0	10128.9	1636.0	10137.3	1636.0	10189.2	1636.1	10200.0
GR	1635.7	10200.5	1634.7	10207.8	1635.0	10213.1	1635.3	10218.8	1635.4	10223.9
GR	1635.6	10230.5	1635.9	10247.8	1636.5	10272.2	1636.9	10285.4	1637.2	10301.4
GR	1640.1	10373.9	1640.4	10387.2	1640.5	10392.1	1640.9	10405.3	1641.7	10430.0
NH	9	.055	9985.9	.09	10000.0	.028	10015.7	.09	10025.2	.055
NH	10178	.09	10194.3	.028	10211.2	.09	10230.6	.055	10709.2	
ET		7.1					9507.6	10230.6		
ET			9.1						9626.23	10228.51
	DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.									
X1	11.776	95	9985.9	10230.6	260	360	310			
GR	1642.3	9050.9	1641.7	9076.4	1640.3	9130.3	1639.1	9150.6	1638.5	9162.7
GR	1640.2	9227.5	1640.0	9295.9	1640.0	9299.8	1640.0	9322.8	1641.9	9376.3
GR	1643.4	9507.6	1642.7	9528.7	1641.1	9567.3	1640.1	9583.8	1637.9	9635.9
GR	1637.3	9650.6	1637.1	9666.7	1636.2	9694.8	1636.1	9700.0	1636.0	9700.6
GR	1636.7	9704.0	1637.3	9708.9	1637.3	9722.0	1637.0	9731.0	1635.2	9738.0
GR	1634.7	9739.5	1635.2	9741.1	1637.8	9749.3	1637.6	9790.3	1637.3	9799.4
GR	1637.4	9800.0	1637.1	9803.6	1635.4	9812.2	1635.5	9814.0	1637.3	9827.1
GR	1637.5	9883.5	1637.8	9908.2	1637.7	9927.1	1637.4	9968.5	1637.4	9985.9
GR	1637.3	9986.2	1636.8	9995.9	1636.7	9997.0	1636.7	9997.2	1636.6	9997.5
GR	1635.3	10000.0	1634.7	10014.5	1634.7	10015.5	1634.6	10015.7	1635.2	10017.2
GR	1637.4	10024.2	1638.1	10025.2	1638.0	10029.4	1638.0	10033.5	1638.2	10035.1
GR	1639.1	10039.8	1639.2	10041.6	1637.7	10046.7	1637.9	10081.0	1637.3	10107.4
GR	1637.3	10108.0	1637.3	10125.9	1637.1	10130.5	1637.1	10152.7	1638.5	10174.0
GR	1638.7	10178.0	1637.7	10182.2	1634.7	10194.3	1634.7	10198.8	1634.7	10211.2
GR	1636.3	10217.8	1638.7	10230.6	1638.4	10271.2	1638.5	10311.6	1638.1	10314.3
GR	1637.3	10324.4	1637.6	10328.1	1638.2	10332.5	1639.2	10411.3	1639.3	10428.1
GR	1639.7	10435.7	1640.0	10445.9	1640.6	10454.9	1640.7	10459.2	1641.4	10496.4
GR	1641.8	10523.7	1641.9	10527.9	1642.1	10539.4	1642.7	10577.5	1643.1	10583.5
GR	1643.0	10597.6	1643.3	10620.9	1644.9	10676.5	1644.9	10687.7	1645.0	10709.2
NH	13	.055	9982.5	.09	9991.6	.028	10007.7	.09	10019.4	.055
NH	10302	.09	10308.6	.028	10313.1	.09	10346.8	.028	10353.5	.09
NH	10373	.028	10387.3	.09	10400.0	.055	10769.8			
ET		7.1					9619.5	10769.8		
ET			9.1						9705.71	10495.32
X1	11.885	95	9982.5	10443.5	575	470	575			
GR	1646.4	9138.4	1645.7	9194.7	1645.5	9206.0	1644.3	9285.8	1643.2	9382.4
GR	1643.2	9401.9	1642.7	9475.9	1642.9	9483.6	1643.8	9538.7	1645.1	9612.3
GR	1645.2	9617.1	1645.2	9618.8	1645.3	9619.5	1645.2	9624.3	1642.3	9704.4
GR	1641.5	9717.2	1641.3	9720.9	1641.3	9721.1	1641.3	9721.2	1641.3	9725.8
GR	1641.3	9727.9	1641.1	9739.2	1640.3	9740.5	1639.3	9744.5	1641.4	9750.9
GR	1641.7	9753.1	1641.6	9762.9	1641.4	9767.3	1640.9	9769.2	1639.0	9776.0
GR	1641.6	9781.8	1641.9	9783.4	1642.0	9785.2	1641.5	9786.1	1638.7	9791.1
GR	1641.2	9798.4	1641.3	9798.8	1641.6	9825.3	1642.0	9858.9	1642.0	9860.0
GR	1642.1	9860.9	1642.0	9863.9	1642.1	9894.5	1642.0	9926.1	1642.0	9954.1
GR	1641.8	9982.5	1639.4	9991.6	1638.7	9993.7	1638.9	10000.0	1639.3	10007.7
GR	1640.7	10012.8	1642.2	10019.4	1642.1	10064.7	1642.1	10141.6	1642.6	10156.1
GR	1642.6	10208.3	1642.0	10231.6	1641.7	10232.3	1640.0	10239.5	1640.1	10240.1
GR	1641.3	10248.6	1641.6	10273.9	1641.7	10302	1639.6	10308.6	1638.4	10313.1
GR	1640.1	10318.1	1642.3	10325.8	1638.3	10346.8	1638.1	10348.3	1638.6	10350.2
GR	1639.2	10353.5	1641.3	10362.8	1639.3	10373	1637.3	10378.8	1638.7	10387.3

```
GR   1640.7   10400.0    1641.6   10431.2    1641.9   10443.5    1641.3   10445.5    1640.7   10452.4
GR   1640.7   10452.7    1641.9   10466.0    1641.9   10478.2    1642.7   10521.2    1643.2   10557.7
GR   1643.3   10562.4    1643.3   10565.5    1643.2   10575.4    1643.1   10657.8    1643.3   10663.8
GR   1643.7   10685.3    1644.6   10717.0    1644.6   10733.5    1645.5   10749.5    1646.0   10769.8

NH      15      .055    9994.4       .09   10000.0      .028   10022.4       .09   10036.2      .055
NH   10335       .09   10341.4      .028   10346.6       .09   10357.4      .028   10361.8       .09
NH   10413      .028   10415.3       .09   10464.5      .028   10488.7       .09   10493.7      .055
NH   10967
ET                        9.1                                                      9655.97   10591.45
      SECTION NO. 11.954 WAS SHORTENED TO 11.95 TO ALLOW REPEATING FOR
      ANALYSIS OF BREAKOUT ON EAST SIDE FROM SEC. 12.043 TO SEC. 12.179,
      WHERE WEIR FLOW INTO EAST (LT. SIDE) OVERBANK WAS COMPUTED FROM MAIN
      CHANNEL.(NOT MODELED FOR THIS FLOODWAY ANALYSIS)
X1   11.95        90    9973.9   10582.5       390       320       365
GR   1651.4    9445.0    1649.8    9508.6    1650.0    9511.0    1649.2    9533.8    1648.7    9553.1
GR   1648.0    9569.9    1647.4    9595.0    1647.5    9619.9    1647.0    9640.2    1644.8    9665.7
GR   1644.7    9669.2    1644.6    9669.4    1644.7    9790.2    1644.9    9792.8    1645.3    9800.3
GR   1645.1    9805.4    1645.1    9815.0    1645.3    9822.3    1645.3    9822.4    1645.3    9824.1
GR   1644.3    9827.4    1643.4    9829.6    1644.9    9836.3    1645.3    9837.7    1644.7    9917.6
GR   1644.9    9934.5    1645.2    9948.3    1645.3    9950.5    1645.3    9950.8    1646.6    9965.1
GR   1646.6    9973.9    1646.0    9994.4    1644.2    9999.2    1643.9   10000.0    1643.9   10018.0
GR   1644.0   10022.4    1644.7   10025.5    1646.9   10036.2    1646.6   10069.4    1645.3   10167.8
GR   1645.3   10176.5    1645.1   10264.5    1645.3   10276.6    1644.1   10289.5    1644.0   10290.0
GR   1644.0   10290.4    1645.2   10295.9    1645.3   10312.9    1645.5     10335    1643.7   10341.4
GR   1642.5   10345.1    1642.7   10346.6    1644.2   10351.9    1642.7   10357.4    1643.6   10361.8
GR   1644.7   10368.6    1645.8   10395.7    1646.0   10398.8    1645.7   10399.6    1641.5     10413
GR   1642.5   10415.3    1646.0   10424.6    1646.0   10451.8    1646.0   10453.8    1645.8   10454.4
GR   1642.3   10464.5    1643.1   10471.8    1643.3   10474.6    1643.3   10480.7    1643.1   10484.0
GR   1643.7   10488.7    1644.4   10493.7    1644.7   10550.8    1644.9   10569.9    1645.5   10582.5
GR   1646.6   10653.0    1646.7   10660.3    1648.2   10724.5    1647.9   10744.4    1646.9   10776.2
GR   1646.7   10795.3    1646.6   10832.8    1646.6   10844.2    1646.8   10848.7    1648.6   10903.3
GR   1648.7   10908.8    1648.8   10912.5    1648.9   10918.0    1649.7   10950.2    1650.1     10967

NH      13      .055    9974.5       .09    9982.6      .028   10000.0       .09   10010.4      .055
NH   10183       .09   10193.3      .028   10214.7       .09   10237.8      .028   10254.9       .09
NH   10294      .028   10313.5       .09   10319.5      .055   10786.3
QT       2       836      3120
ET               7.1                                          9974.5   10786.3
ET                        9.1                                                      9974.50   10568.00
      EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT
      SECTIONS 12.043, 12.107 AND 12.179 TO DEFINE BDY. WHERE WEIR FLOW
      INTO LT. OVERBANK OCCURED.
      MAIN CHANNEL DISCHARGES ARE REDUCED AT SECTIONS 12.043 ,12.107 AND
      TO REFLECT WEIR FLOW INTO LT. OVERBANK. THIS WEIR FLOW INTO
      LT. OVERBANK WAS THEN MODELED BY TRIBUTARY ANALYSIS OPTION OF HEC2
      DIRT ROAD, AT GRADE, NOT MAINTAINED, NO CULVERTS, NO SPECIAL MODELING.
X1   12.043        95    9974.5   10365.3       465       350       470
GR   1658.4    9383.6    1658.2    9396.5    1658.7    9404.2    1658.6    9405.6    1658.5    9407.1
GR   1657.3    9415.6    1654.7    9434.4    1654.7    9435.0    1653.7    9441.8    1651.2    9459.9
GR   1650.8    9465.8    1649.9    9473.5    1649.3    9486.6    1649.3    9486.9    1649.3    9489.5
GR   1649.2    9495.3    1648.0    9520.2    1648.0    9526.2    1647.4    9541.5    1647.1    9564.5
GR   1646.7    9570.8    1646.7    9572.1    1646.9    9573.4    1647.3    9575.1    1647.6    9586.2
GR   1648.0    9618.9    1647.1    9622.3    1646.8    9624.2    1646.9    9627.1    1646.7    9629.1
```

```
GR   1647.4    9634.2   1647.2    9640.7   1647.3    9641.6   1647.3    9655.8   1648.5    9853.2
GR   1648.6    9968.2   1648.7    9974.5   1646.9    9982.6   1646.9    9982.8   1646.7    9983.5
GR   1646.7    9983.7   1646.8    9985.7   1647.3   10000.0   1649.4   10010.4   1650.0   10013.6
GR   1649.9   10014.0   1650.0   10016.8   1649.1   10069.7   1648.4   10121.1   1647.1     10183
GR   1646.7   10193.3   1646.2   10195.7   1645.3   10199.3   1645.6   10207.8   1646.0   10214.7
GR   1647.2   10220.6   1648.0   10223.9   1647.5   10231.6   1647.3   10235.7   1646.6   10237.8
GR   1645.3   10239.9   1645.3   10251.7   1645.3   10253.6   1645.6   10254.9   1647.0   10260.5
GR   1647.1   10275.5   1647.1   10289.8   1646.9     10294   1646.7   10298.3   1647.0   10300.4
GR   1646.9   10306.5   1646.6   10313.5   1647.1   10319.5   1647.6   10330.0   1648.7   10365.3
GR   1648.5   10397.9   1648.9   10416.9   1648.7   10451.4   1648.5   10481.1   1648.1   10525.0
GR   1648.4   10545.0   1648.8   10572.4   1648.8   10583.4   1648.9   10595.7   1649.0   10623.2
GR   1649.3   10672.6   1649.3   10674.7   1649.3   10675.2   1649.3   10675.5   1649.3   10676.8
GR   1650.0   10705.8   1650.7   10733.5   1651.2   10777.4   1651.5   10784.7   1651.6   10786.3

NH      9      .055    9974.9       .09    9985.2      .028   10008.8       .09   10019.9      .055
NH  10146       .09   10154.7      .028   10168.6       .09   10181.1      .055   11249.4
QT      2      1017      3120
ET             7.1                                           9974.9   10451.5
ET                       9.1                                                    9977.12   10356.02
     WEIR FLOW TO EAST (LT. SIDE) WAS ESTIMATED AT 206 CFS,BETWEEN SEC.12.107
     AND SEC.12.179. TOTAL FLOW IN MAIN CHANNEL AT SEC. 12.107 IS 1017CFS.
X1   12.107        69    9974.9   10216.7      340       330       340
GR   1660.1    9211.0   1659.0    9247.5   1658.0    9274.0   1658.0    9274.4   1657.9    9277.1
GR   1656.8    9321.7   1656.6    9326.3   1656.1    9342.9   1655.6    9348.1   1655.1    9364.1
GR   1654.8    9370.4   1653.1    9395.3   1652.5    9408.7   1652.4    9434.6   1652.5    9452.7
GR   1652.5    9464.5   1652.3    9468.3   1651.6    9474.9   1649.9    9493.8   1648.9    9506.4
GR   1648.8    9513.7   1648.9    9517.3   1648.2    9523.6   1648.2    9525.9   1648.5    9527.8
GR   1649.5    9535.7   1649.5    9607.0   1650.0    9744.6   1650.0    9750.2   1650.0    9761.3
GR   1650.6    9867.8   1651.1    9926.0   1651.7    9974.9   1650.3    9979.0   1648.7    9985.2
GR   1649.1   10000.0   1649.1   10008.8   1650.6   10014.2   1651.8   10019.9   1651.7   10035.2
GR   1650.2   10123.6   1650.0     10146   1649.0   10150.2   1648.0   10154.7   1648.0   10165.7
GR   1648.0   10167.1   1648.3   10168.6   1649.7   10181.1   1649.7   10183.3   1650.0   10206.9
GR   1650.0   10209.1   1650.0   10216.7   1650.3   10338.5   1651.8   10379.5   1651.9   10387.9
GR   1652.0   10415.5   1652.3   10451.5   1651.3   10470.6   1651.2   10474.7   1651.2   10498.2
GR   1651.0   10541.1   1651.0   10736.8   1650.9   10785.5   1650.9   10816.2   1650.9   11066.3
GR   1651.1   11102.4   1651.3   11150.9   1651.5   11178.6   1654.2   11249.4

NH      6      .055    9969.5       .09    9974.8      .028   10000.0       .09   10032.2      .055
NH  10487       .09   11151.6
QT      2      1223      3120
ET             7.1                                           9969.5   10232.4
ET                       9.1                                                    9969.50   10212.94
     EFFECTIVE AREA ENCROACHMENTS WERE APPLIED IN RIGHT OVERBANK TO
     ALONG GRADE BREAK WHICH DEFINED BREAKOUT OF FLOW TO WEST BETWEEN
     SECTIONS 12.179 AND 12.560.
     A WEIR FLOW ANALYSIS WAS INITIALLY CONDUCTED TO DETERMINE THE
     AMOUNT OF FLOW WHICH COULD BREAKOUT TO THE WEST.THIS ANAYLSIS
     INDICATED UP TO 2350CFS OF THE Q100=3120 CFS COULD BREAKOUT TO WEST.
     ANOTHER BACKWATER ANALYSIS OF THE WEST BREAKOUT WASH CAPACITY WAS
```

THEN CONDUCTED TO DETERMINE IF THIS WEST BREAKOUT WASH COULD
CONVEY THIS MUCH FLOW. IT WAS DETERMINED THAT THE WEST WASH CAPACITY
DICTATED BREAKOUT BETWEEN SEC. 12.275 AND 12.560 AND THAT BETWEEN
SECTIONS 12.179 AND 12.275, WEIR FLOW DICTATED BREAKOUT TO THE WEST.
THE BREAKOUT TO THE WEST BETWEEN SECTIONS 12.179 AND 12.275 WAS ESTI-
MATED TO BE 615CFS (WEIR FLOW) FOR THE 100 YR. EVENT.
TOTAL FLOW IN WEST WASH BREAKOUT AT SEC. 12.179 IS 1535 CFS.
LIKEWISE IT WAS ESTIMATED THAT 362 CFS, BREAKS OUT TO THE EAST BASED
ON WEIR FLOW BETWEEN SEC. 12.179 AND 12.275.
AS SUCH THE MAIN CHANNEL FLOW AT SEC. 12.179 IS 1223 CFS.
BEGIN PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 490 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT. ALONG SECTN
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA.10487 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.
PATTON ROAD ALIGNMENT. NO ROAD ACROSS DAGGS WASH.

X1	12.179	88	9969.5	10032.2	345	400	380			
GR	1661.0	9047.0	1660.7	9066.7	1660.0	9092.1	1659.5	9116.0	1657.4	9171.5
GR	1656.4	9189.8	1655.7	9219.0	1653.1	9318.6	1652.5	9337.9	1651.5	9385.0
GR	1651.3	9407.5	1651.3	9420.1	1651.3	9439.4	1651.2	9443.9	1651.1	9464.3
GR	1651.3	9476.5	1651.3	9490.0	1651.3	9505.5	1651.3	9598.6	1651.3	9607.3
GR	1652.0	9697.1	1652.0	9704.4	1652.0	9761.8	1652.0	9771.3	1652.0	9774.7
GR	1652.0	9808.2	1652.7	9835.5	1652.9	9843.2	1653.0	9848.3	1652.8	9882.3
GR	1652.8	9890.4	1653.0	9904.9	1652.7	9911.0	1652.7	9912.5	1652.7	9918.7
GR	1652.7	9921.4	1652.7	9933.2	1653.7	9969.5	1651.7	9974.8	1650.7	9976.9
GR	1650.8	9982.3	1651.1	10000.0	1652.8	10014.5	1653.2	10017.2	1653.3	10032.2
GR	1653.3	10064.0	1652.1	10072.0	1652.0	10072.4	1652.0	10072.8	1653.1	10088.3
GR	1653.1	10102.1	1653.1	10128.0	1650.9	10133.4	1650.7	10134.2	1651.5	10144.5
GR	1652.0	10148.5	1652.2	10152.3	1653.2	10164.3	1652.6	10166.5	1650.7	10173.6
GR	1651.7	10183.3	1652.2	10187.0	1652.3	10193.0	1652.7	10197.6	1655.8	10230.0
GR	1656.0	10232.4	1656.0	10232.9	1655.6	10269.9	1655.4	10289.0	1654.7	10313.0
GR	1654.3	10330.6	1653.3	10476.3	1653.3	10485.4	1653.3	10487	1653.3	10556.1
GR	1653.1	10602.8	1652.7	10725.3	1652.8	10732.4	1652.2	10820.2	1652.0	10838.0
GR	1652.1	10854.3	1652.2	10992.4	1652.3	11023.4	1653.1	11060.2	1654.1	11083.4
GR	1655.3	11122.3	1656.6	11150.5	1656.6	11151.6				
NH	5	.055	9971.3	.09	9983.3	.028	10010.4	.09	10022.9	.055
NH	11066									
QT	2	2200	3120							
ET		7.1					9761.1	10657.7		
ET			9.1						9910.84	10657.70

TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC 12.275
WAS ESTIMATED AT 920 CFS.

X1	12.275	95	9971.3	10022.9	500	510	505			
GR	1661.5	8941.8	1662.0	8953.8	1662.0	8957.6	1661.9	8960.9	1660.7	8979.9
GR	1660.7	8981.1	1659.6	9044.5	1659.3	9069.8	1658.7	9096.8	1657.5	9126.8
GR	1657.3	9139.9	1656.9	9162.0	1656.3	9173.7	1655.6	9192.2	1655.1	9220.7
GR	1655.0	9250.8	1654.0	9351.3	1654.0	9354.1	1653.7	9389.5	1653.7	9435.0
GR	1653.7	9450.7	1653.7	9454.5	1653.7	9459.4	1653.7	9474.7	1653.8	9482.2
GR	1653.9	9484.9	1653.8	9485.7	1654.5	9520.2	1656.5	9592.2	1656.7	9599.6
GR	1656.7	9600.7	1657.4	9643.0	1658.8	9686.3	1659.2	9739.3	1659.2	9747.3
GR	1659.2	9761.1	1659.0	9765.3	1658.9	9791.1	1658.7	9798.7	1658.7	9804.5
GR	1658.7	9808.3	1657.3	9859.1	1657.3	9862.8	1657.3	9892.6	1656.9	9921.7
GR	1656.6	9932.3	1656.7	9948.1	1656.7	9953.8	1656.7	9957.0	1656.7	9959.0
GR	1656.7	9971.3	1656.7	9978.7	1654.7	9980.6	1653.7	9983.3	1653.7	10000.0

```
GR   1654.0   10010.4   1655.7   10016.7   1657.3   10022.9   1656.6   10088.1   1655.9   10127.6
GR   1655.8   10160.3   1655.9   10185.0   1656.0   10278.4   1655.6   10281.6   1655.1   10286.2
GR   1655.3   10292.8   1656.0   10330.6   1656.6   10360.2   1656.0   10364.2   1654.7   10374.2
GR   1654.7   10375.1   1655.3   10393.7   1655.3   10411.6   1655.3   10416.2   1655.3     10526
GR   1655.3   10526.8   1655.3   10526.9   1655.9   10545.8   1655.9   10594.2   1656.2   10607.0
GR   1656.4   10638.5   1656.7   10657.7   1656.7   10672.2   1656.7   10707.0   1655.5   10737.3
GR   1655.4   10742.7   1655.4   10751.2   1655.4   10756.8   1655.4   10767.7   1655.4   10821.3
GR   1656.7   10927.3   1657.7   10955.3   1658.3   10983.1   1659.1   11016.3   1660.3     11066

NH         6      .055    9762.9       .05    9970.2      .055    9979.8      .028   10000.0       .05
NH     10509      .055   10952.6
QT         2      2750      3120
ET               7.1                                           9580.5   10740.1
ET                         9.1                                                     9864.20   10740.10
      LAND CLEARED ON EACH SIDE OF WASH FOR RANCH\FARM OPERATION.
      LOWER OVERBANK 'N' VALUES AT THIS SECTION FOR THIS LAND TREATMENT.
      TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC.12.370
      WAS ESTIMATED AT 370 CFS.
X1   12.370        56    9970.2   10011.3       540       480       500
GR   1666.3    9580.5   1666.0    9599.8   1666.8    9608.8   1665.1    9637.0   1664.8    9641.3
GR   1664.7    9643.8   1664.7    9647.2   1662.8    9696.0   1662.4    9713.0   1662.5    9725.7
GR   1662.2    9752.9   1662.1    9762.9   1662.5    9786.0   1661.9    9797.4   1660.7    9824.2
GR   1659.9    9872.7   1659.1    9926.0   1659.5    9955.2   1659.8    9970.2   1657.8    9974.8
GR   1656.7    9979.8   1656.7    9989.6   1656.7   10000.0   1660.2   10010.0   1660.7   10011.3
GR   1660.7   10011.8   1659.3   10193.5   1659.1   10306.1   1659.0   10344.0   1658.6   10388.2
GR   1658.2   10429.0   1657.8     10509   1658.1   10514.8   1658.9   10526.2   1658.7   10534.1
GR   1658.3   10537.7   1658.6   10558.9   1659.1   10573.0   1659.0   10580.7   1659.5   10585.5
GR   1660.0   10596.6   1659.1   10647.5   1658.4   10740.1   1659.1   10774.1   1658.0   10784.3
GR   1658.1   10784.8   1659.2   10797.8   1659.3   10800.0   1659.3   10800.7   1659.3   10802.0
GR   1659.3   10839.1   1662.7   10903.6   1662.7   10904.7   1662.8   10905.2   1663.8   10936.0
GR   1664.7   10952.6

NH         5      .055    9986.1       .09    9997.0      .028   10020.0       .09   10030.7      .055
NH     11036
QT         2      2820      3120
ET               7.1                                           9364.1   10683.9
ET                         9.1                                                     9650.35   10658.63
      TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAP. ANALYSIS AT SEC. 12.464
      WAS ESTIMATED AT 250 CFS.
X1   12.464        70    9986.1   10030.7       500       400       495
GR   1668.0    9364.1   1667.6    9367.8   1667.1    9383.7   1666.1    9404.8   1665.3    9425.2
GR   1665.1    9431.3   1664.8    9445.8   1664.3    9473.1   1664.0    9488.3   1664.0    9493.6
GR   1663.3    9526.8   1663.2    9605.5   1663.1    9626.9   1662.7    9675.2   1662.7    9676.4
GR   1662.7    9742.0   1662.8    9785.5   1662.9    9791.7   1663.4    9804.3   1663.8    9819.4
GR   1664.0    9870.7   1664.0    9881.2   1663.9    9881.4   1663.5    9883.4   1661.8    9890.7
GR   1662.0    9893.6   1662.3    9904.6   1662.2    9928.8   1661.4    9950.2   1662.5    9986.1
GR   1659.4    9997.0   1659.3    9998.0   1659.3   10000.0   1659.3   10019.8   1659.4   10020.0
GR   1661.8   10025.1   1663.3   10030.7   1663.2   10057.5   1662.2   10190.0   1661.6   10191.0
GR   1661.2   10193.6   1661.3   10196.6   1661.3   10201.2   1661.7   10206.6   1661.6   10227.6
GR   1661.2     10296   1660.8   10308.2   1661.0   10314.9   1661.3   10401.7   1661.3   10408.8
GR   1661.2   10475.8   1661.1   10483.9   1661.3   10513.1   1661.3   10606.2   1661.3   10636.4
GR   1662.9   10658.5   1664.0   10683.9   1663.7   10705.1   1663.0   10718.2   1662.1   10745.3
GR   1661.7   10763.0   1661.3   10781.6   1661.3   10796.0   1661.7   10814.5   1664.5   10994.2
GR   1664.6   11003.1   1664.7   11008.5   1664.8   11009.4   1668.0   11035.4   1668.0     11036
```

```
NH       6      .055    9964.3      .09     9970.7      .028    10012.6       .09    10020.2      .055
NH   10080       .09   10850.4
QT       2      2870      3120
ET              7.1                                            9423.1    10631.1
ET                        9.1                                                        9632.90   10631.10
      PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
      APPROX. 80 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT.,PARALLELING
      CROSS-SECTION AND APPRX. 75 FT. UPSTREAM OF SECTION.
      INCREASE 'N' VALUE TO 0.09 TO RT. OF STA. 10080 TO MODEL RESISTANCE TO
      FLOW PASSING THROUGH AND/OR UNDER FENCE.
X1   12.560        70    9964.3   10020.2       500       460       505
GR   1668.6    9423.1    1668.4    9443.3    1668.4    9470.2    1668.0    9516.0    1667.7    9545.5
GR   1668.2    9577.6    1668.5    9593.0    1667.5    9606.0    1667.3    9613.6    1665.9    9632.5
GR   1665.1    9640.6    1664.4    9649.3    1664.7    9668.4    1664.5    9674.6    1664.6    9677.3
GR   1664.7    9678.0    1664.7    9682.6    1664.8    9816.0    1665.6    9937.0    1665.8    9964.3
GR   1663.8    9970.7    1662.4    9978.0    1662.2   10000.0    1662.2   10012.6    1664.0   10018.7
GR   1665.0   10020.2    1664.7   10048.4    1664.5   10077.7    1664.7     10080    1664.7   10081.7
GR   1663.9   10095.8    1663.5   10101.8    1664.0   10103.0    1664.4   10109.3    1664.9   10121.6
GR   1664.8   10125.4    1664.9   10147.0    1665.2   10175.6    1666.3   10209.6    1666.3   10217.4
GR   1665.0   10254.6    1665.0   10266.9    1664.9   10275.7    1664.8   10284.6    1665.0   10302.8
GR   1664.5   10347.3    1664.4   10380.3    1664.4   10384.0    1664.5   10442.5    1664.0   10464.1
GR   1664.0   10465.5    1663.8   10470.4    1663.3   10481.6    1663.5   10489.3    1663.6   10502.6
GR   1664.4   10591.3    1664.6   10614.3    1664.7   10622.5    1664.8   10631.2    1665.6   10684.1
GR   1664.9   10708.1    1664.7   10715.9    1664.7   10775.3    1664.7   10795.1    1664.7   10796.3
GR   1667.5   10812.3    1668.7   10819.7    1668.7   10827.1    1668.1   10834.5    1669.0   10850.4

QT       2      3297      3297
NH       7      .055    9963.5      .09     9973.2      .028    10004.4       .09    10011.8      .055
NH   10164      .028   10175.9     .055    10548.1
ET              7.1      10.4                                     9890    10548.1
      RETURN TO TOTAL 100 YR. FLOW IN MAIN CHANNEL AT THIS SECTION.
      100-YR DISCHARGE INCREASES FROM 3120CFS TO 3297CFS.THIS REFLECTS
      APPARENT ATTENUATION OF FLOW PEAK DUE TO CHANNEL ROUTING WHICH
      WAS REFLECTED IN THE JACKRABBIT WASH HYDROLOGY.
      100-YR 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
      HEC-1 MODEL I.D. NO.=C88.  (D.A.=13.31 SQ. MI.).
      AREA TO LEFT OF STA.9890 BLOCKED OUT AS INEFFECTIVE FLOW, BASED ON
      4:1 FLARE ANGLE DOWNSTREAM FROM BOX CULVERT OUTLET. THE 2-36"X 22"
      CMPA'S AT LEFT WERE CONSIDERED TO CONTRIBUTE INSIGNIFICANT FLOW TO
      THIS OVERBANK. FLOW OVER THE RD. DOES NOT OCCUR IN LT. OVERBANK.
X1   12.657        50    9963.5   10011.8       400       580       510
GR   1671.6    9501.7    1669.3    9524.5    1669.0    9535.5    1668.0    9552.6    1668.0    9553.6
GR   1667.7    9558.4    1667.7    9572.4    1667.6    9619.8    1667.5    9628.2    1667.5    9643.0
GR   1667.4    9653.6    1667.5    9673.3    1668.2    9760.6    1668.6    9820.2    1668.5    9826.0
GR   1667.6    9870.0    1667.5    9907.2    1667.5    9918.0    1667.6    9922.7    1667.5    9932.8
GR   1668.0    9963.5    1665.7    9971.1    1665.1    9973.2    1665.2   10000.0    1665.1   10004.4
GR   1666.1   10007.2    1666.6   10008.7    1668.0   10011.8    1668.0   10038.8    1667.6   10117.2
GR   1667.3   10158.8    1667.0   10160.4    1665.3     10164    1665.3   10168.6    1665.3   10175.9
GR   1665.7   10177.0    1667.3   10180.8    1667.3   10188.5    1667.3   10194.3    1667.3   10211.2
GR   1667.6   10222.3    1668.2   10246.3    1667.8   10357.4    1667.9   10405.1    1668.1   10438.5
GR   1669.1   10487.2    1669.8   10505.4    1670.4   10524.3    1671.5   10540.8    1671.3   10548.1
```

```
NH      5      .055     9947.3      .09     9954.1      .028    10000.0      .09     10012.6      .055
NH   10630
X1   12.697       79     9959.0   10000.0       230       210       210
X3      10                                                                 1670.5    1668.4
GR   1677.3    9485.1    1676.1    9520.0    1676.0    9522.6    1675.6    9525.9    1672.5    9549.1
GR   1671.7    9555.0    1671.7    9561.1    1672.3    9572.0    1672.2    9590.4    1672.1    9594.3
GR   1669.4    9619.3    1669.4    9620.2    1669.3    9622.5    1669.2    9624.1    1668.1    9656.4
GR   1668.2    9665.2    1668.1    9673.8    1669.2    9685.2    1669.3    9695.9    1669.3    9794.6
GR   1669.3    9802.4    1669.3    9845.5    1670.0    9914.3    1670.0    9914.7    1670.0    9914.9
GR   1670.0    9915.2    1670.0    9915.6    1670.0    9917.5    1670.0    9947.3    1667.1    9954.1
GR   1666.7    9955.0    1666.7    9959.0    1666.7   10000.0    1668.5   10003.0    1670.0   10005.5
GR   1670.0   10006.5    1670.0   10012.6    1670.0   10023.7    1669.3   10035.9    1669.3   10040.7
GR   1669.1   10050.2    1669.1   10058.2    1669.4   10066.3    1668.9   10088.1    1669.3   10100.0
GR   1668.4   10136.2    1668.2   10148.6    1668.1   10156.3    1668.1   10156.7    1668.0   10157.1
GR   1667.5   10186.6    1667.3   10193.7    1667.2   10197.0    1666.9   10271.7    1666.9   10286.3
GR   1666.7   10310.2    1666.8   10319.9    1667.3   10346.3    1667.3   10349.0    1667.4   10352.1
GR   1667.1   10373.8    1668.7   10397.8    1669.8   10409.1    1670.1   10411.6    1670.3   10417.4
GR   1670.9   10433.3    1671.0   10434.3    1671.0   10441.3    1670.7   10456.8    1670.3   10476.6
GR   1670.0   10484.4    1670.0   10489.4    1669.9   10528.1    1669.9   10550.5    1669.9   10559.1
GR   1670.8   10572.6    1671.3   10575.7    1671.6   10586.4    1672.6     10630

NC    .024      .016      .013        .3        .5
      BEGIN NORMAL BRIDGE MODELING OF PEAKVIEW ROAD (A.K.A.TOYOTA PROVING
      GROUNDS ACCESS RD.)
      THE MAIN DAGGS WASH HAS A 4 BARREL 10FT.X 3 FT. X 48FT. CONCRETE BOX
      CULVERT CROSSING, WITH 45 DEGREE ANGLE WINGWALLS.
      THE BOX OUTLET CONC. I.E.=1666.15.
      THE BOX INLET CONC. I.E.=1666.35.
      THE BOX CULVERT WAS MODELED AS A 40 FT. WIDE X 3.0 FT HIGH OPENING
      (I.E. WITHOUT PIERS TO SIMPLIFY MODEL).
      THE 'N' VALUES FOR LT., RT.,OVERBANKS AND CHANNEL WERE REDUCED
      TO MODEL THE FLOW SURFACES FOR THE PAVEMENT (N=.016),CONCRETE BOX
      CULVERT(N=.013), AND THE MINOR CAPACITY CMPA CULVERTS(N=.024).
      SINCE FLOW OVER THE PAVEMENT DOES NOT OCCUR AT THE LT.OVERBANK OR
      CHANNEL, THESE 'N' VALUES REPRESENT THE RESPECTIVE CULVERT TYPE.
      THE RIGHT SIDE ROAD OVERBANK DIPS DOWN TO A LOW ELEV. OF 1668.0 WHICH
      IS BELOW THE BOX CULVERT INLET LOW CHORD EL=1669.35.,HENCE THE NORMAL
      BRIDGE MODELING OF THIS CROSSING, DUE TO BACKWATER SUBMERGENCE OF RD.
      AND RELATIVE SMALL CAPACITY OF CULVERTS TO 100 YR. DISCHARGE.
      THE LEFT OVERBANK (STA.9687.3) CONTAINS TWO 36"X22"X50 FT. CORRAGATED
      METAL PIPE ARCH (CMPA'S) CULVERTS. THESE TWO CULVERTS WERE ALSO
      MODELED AS ONE 4.8 FT. (WIDE) X 1.83 FT. OPENING TO SIMPLIFY MODEL.
      THE CMPA'S OUTLET I.E.=1668.8 AND THE INLET I.E.=1669.1.
X1   12.701        22      9960     10000        20        20        20
BT      -18    9577.3    1675.9    1675.9    9667.3   1673.55   1673.55    9684.91    1673.2    1670.63
BT             9689.7    1673.2    1670.6    9767.3    1671.9    1671.9     9867.3   1671.07    1671.07
BT               9960   1671.03   1669.15     10000   1671.03   1669.15      10065   1670.65    1670.65
BT              10145    1669.4    1669.4     10165    1669.0    1669.0      10215    1668.3    1668.3
BT            10265.0    1668.0    1668.0   10390.0    1668.0    1668.0      10440   1668.25    1668.25
BT              10490    1668.9    1668.9   10527.5    1669.6    1669.6      10615    1670.5    1670.5
GR   1675.9    9577.3   1673.55    9667.3   1670.63   9684.91    1668.8    9684.91    1668.8    9689.7
GR   1670.6    9689.7    1671.9    9767.3   1671.07    9867.3   1669.15       9960   1666.15       9960
GR   1666.2     10000   1669.15     10000   1670.65     10065    1669.4      10145    1669.0      10165
```

```
GR  1668.3     10215     1668.0     10265.0     1668.0     10390.0     1668.25     10440     1668.9     10490
GR  1669.6     10527.5   1670.5     10615

        END PEAKVIEW ROAD.
X1  12.709        22      9960       10000         40         40          40
BT     -18     9577.3    1675.9     1675.9      9667.3     1673.55     1673.55    9684.91    1673.2     1670.93
BT             9689.7    1673.2     1670.9      9767.3     1671.9      1671.9     9867.3     1671.07    1671.07
BT              9960     1671.03    1669.35      10000     1671.03     1669.35     10065     1670.65    1670.65
BT             10145     1669.4     1669.4       10165     1669.0      1669.0      10215     1668.3     1668.3
BT             10265.0   1668.0     1668.0      10390.0    1668.0      1668.0      10440     1668.25    1668.25
BT             10490     1668.9     1668.9      10527.5    1669.6      1669.6      10615     1670.5     1670.5
GR  1675.9     9577.3    1673.55    9667.3      1670.93    9684.91     1669.1     9684.91    1669.1     9689.7
GR  1670.9     9689.7    1671.9     9767.3      1671.07    9867.3      1669.35     9960      1666.35     9960
GR  1666.4     10000     1669.35    10000       1670.65    10065       1669.4     10145      1669.0     10165
GR  1668.3     10215     1668.0     10265.0     1668.0     10390.0     1668.25    10440      1668.9     10490
GR  1669.6     10527.5   1670.5     10615

NH      5      .055      9948.7      .09        9958.3      .028       10000       .09       10009.5     .055
NH  10633
X1  12.712        68      9958.3     10000         16         16          16
X3      10                                                                       1671.6     1668.5
GR  1677.4     9437.2    1677.5     9464.3      1676.6     9500.9      1676.3     9506.4     1675.3     9525.0
GR  1675.2     9526.5    1672.0     9570.0      1671.4     9586.9      1669.6     9632.8     1669.3     9647.0
GR  1669.5     9657.6    1669.4     9664.9      1669.4     9675.9      1669.3     9679.5     1669.3     9687.1
GR  1669.3     9742.2    1669.5     9761.9      1669.6     9814.2      1670.1     9856.6     1669.9     9873.6
GR  1669.7     9880.3    1669.6     9889.1      1670.7     9903.8      1671.0     9909.1     1670.8     9918.3
GR  1669.6     9941.7    1670.0     9947.5      1670.3     9948.4      1670.6     9948.7     1668.1     9956.1
GR  1667.5     9957.8    1667.3     9958.3      1667.3     9960.0      1666.9     10000.0    1669.4     10005.3
GR  1671.1     10008.7   1671.3     10009.5     1670.8     10028.5     1670.7     10031.3    1670.7     10032.2
GR  1670.4     10045.8   1670.0     10060.0     1669.9     10067.0     1669.9     10078.2    1670.0     10097.6
GR  1669.4     10146.2   1668.4     10227.3     1668.7     10242.1     1669.2     10280.7    1669.1     10287.5
GR  1669.6     10290.8   1669.8     10306.9     1669.8     10357.5     1669.8     10360.9    1669.8     10362.3
GR  1669.7     10368.5   1669.4     10391.4     1669.3     10397.7     1670.0     10428.9    1670.5     10458.9
GR  1670.8     10473.0   1670.7     10536.1     1670.7     10538.0     1670.7     10540.9    1670.9     10565.3
GR  1671.3     10591.0   1671.4     10594.6     1672.7      10633

NC                                      .1          .3
NH      7      .055      9909.9      .09        9937.0      .028       9957.6       .09       9996.5      .028
NH  10017        .09     10041.8     .055       10678.8
ET                7.1                                                 9810      10678.8
        UPSTREAM END OF STUDY.
        AREA TO LEFT OF STA. 9810 WAS BLOCKED OUT AS INEFFECTIVE BASED ON
        1:1 FLARE ANGLE UPSTREAM FROM BOX CULVERT INLET. THE 2-36"X22"CMPA'S
        ON LT. SIDE WERE CONSIDERED OF INSIGNIFICANT CAPACITY AND NO RD.
        OVERTOPPING OF LEFT OVERBANK OCCURS FOR Q100 WERE BASIS FOR BLOCKOUT.
X1  12.740        91      9909.9     10057.1       150        150         150
GR  1678.3     9452.3    1677.8     9455.4      1677.3     9488.2      1677.3     9488.8     1677.3     9489.4
GR  1675.4     9513.0    1675.2     9514.8      1675.9     9525.9      1675.7     9540.4     1675.3     9546.7
GR  1675.0     9559.2    1674.2     9575.0      1674.1     9586.7      1672.4     9605.9     1671.5     9620.8
GR  1671.1     9639.6    1671.2     9651.5      1670.7     9656.6      1670.7     9677.1     1670.7     9692.3
GR  1670.9     9705.2    1671.1     9720.6      1670.7     9734.3      1670.6     9739.9     1670.6     9747.7
GR  1670.1     9793.2    1670.0     9798.3      1670.0     9799.8      1670.9     9844.3     1670.9     9849.1
GR  1671.0     9853.3    1671.3     9896.8      1671.2     9900.0      1671.3     9902.5     1671.3     9909.9
GR  1670.8     9922.0    1670.6     9928.7      1670.0     9930.7      1668.3     9937.0     1667.5     9939.8
```

```
GR   1667.3    9952.8    1667.2    9957.1    1667.1    9957.2    1667.3    9957.6    1669.4    9962.8
GR   1671.3    9965.2    1671.3    9982.5    1671.3    9989.8    1668.3    9996.5    1667.3    9998.4
GR   1667.3    9998.7    1667.4   10000.0    1668.0     10017    1670.6   10020.4    1670.7   10020.7
GR   1670.6   10021.7    1670.4   10034.0    1671.6   10041.8    1672.3   10049.6    1672.2   10055.1
GR   1672.7   10057.1    1672.1   10061.7    1670.7   10067.9    1671.2   10105.8    1671.3   10167.6
GR   1670.5   10236.9    1670.1   10264.8    1670.3   10283.3    1670.0   10312.8    1671.7   10328.0
GR   1672.7   10342.9    1672.7   10351.7    1672.6   10359.5    1672.4   10386.4    1672.6   10413.5
GR   1671.4   10485.1    1671.3   10489.4    1671.2   10493.0    1670.3   10532.4    1670.7   10546.9
GR   1670.6   10554.0    1672.0   10577.6    1673.3   10598.2    1673.3   10601.5    1673.3   10604.0
GR   1673.6   10606.9    1674.1   10619.0    1673.9   10660.7    1673.8   10665.9    1673.8   10669.0
GR   1673.6   10678.8

NH        5      .055    9983.4       .09    9988.6       .028   10017.0       .09   10030.5      .055
NH    10921
QT        2      3120      3120
ET                         9.1                                                      9983.4   10347.52
X1   -10.89        75    9983.4   10030.5       550        570       550
GR   1616.2    9693.6    1616.2    9697.2    1616.1    9707.6    1616.0    9710.7    1615.5    9730.6
GR   1610.9    9764.8    1608.9    9777.8    1608.0    9784.6    1607.4    9826.3    1607.3    9827.8
GR   1607.3    9828.5    1607.6    9890.9    1607.8    9904.7    1607.7    9926.5    1607.3    9946.8
GR   1607.4    9952.2    1607.1    9983.4    1604.4    9986.3    1603.0    9988.6    1603.1   10000.0
GR   1603.0   10017.0    1605.4   10024.0    1607.6   10030.5    1607.6   10055.8    1607.8   10084.5
GR   1607.5   10092.2    1606.9   10103.9    1607.1   10120.6    1606.9   10143.4    1606.9   10171.3
GR   1607.5   10182.9    1607.8   10191.3    1607.9   10200.0    1607.7   10260.7    1607.5   10330.8
GR   1607.3   10339.4    1607.1   10340.7    1606.0   10349.9    1606.7   10353.3    1607.3   10360.8
GR   1607.3   10422.2    1607.3   10468.3    1607.1   10470.7    1606.4   10474.8    1606.8   10480.0
GR   1607.3   10483.8    1606.9   10499.6    1606.8   10508.1    1606.4   10510.5    1606.4   10512.2
GR   1606.4   10514.0    1606.9   10517.5    1607.3   10529.2    1607.3   10545.5    1607.1   10566.1
GR   1606.3   10568.4    1605.0   10572.5    1606.0   10578.4    1607.2   10585.0    1607.6   10623.6
GR   1607.5   10645.8    1608.5   10671.0    1609.1   10680.3    1609.1   10684.1    1608.7   10696.9
GR   1608.4   10705.3    1608.7   10721.3    1608.8   10731.6    1609.3   10783.4    1609.9   10807.0
GR   1610.0   10815.3    1610.1   10818.8    1610.3   10830.6    1612.0   10898.7    1613.1    10921

NH        9      .055    9761.8       .09    9772.1       .028    9802.8       .09   9819.4       .055
NH   9945.0       .09    9956.1       .028  10000.0       .09    10036.3      .055  11072.9
QT        2       829      1632
ET                 7.1                                          9652.6    9881.8
ET                         9.1                                                      9765.97   9867.11
        REPEAT COMMON SECTION 10.89 FOR TRIBUTARY ANALYSIS OF EAST SPLIT FLOW.
        THIS SPLIT FLOW WAS CONSIDERED TO START UPSTREAM AT MAIN CHANNEL SECTION
        NO. 11.512, WHERE THE LEFT OVERBANK DISCHARGE OF 829CFS.
        SEPARATES TO A DEFINED WASH WHICH REJOINS THE MAIN DAGGS WASH CHANNEL
        AT SECTION 10.89.
        SECTION 30.996 IS MAIN CHANNEL SECTION NO.10.996 REPEATED WITH 20
        ADDED TO THE I.D. NUMBER TO DIFFERENTIATE THE EAST SPLIT FLOW ANALYSIS.
        UPSTREAM SECTION I.D. NOS. ARE REPEATED WITH 20 ADDED TO I.D. TO
        UPPER LIMIT OF THIS SPLIT FLOW ANALYSIS AT SECTION 31.512.(A.K.A.,SECT-
        ION I.D.11.512 OF MAIN CHANNEL).
        ENCROACHMENTS ADDED TO RESTRICT FLOW TO THE EAST SPLIT FLOW WASH.
X1   30.996        89    9945.0   10036.3       560        555       555
GR   1619.1    9652.6    1618.7    9670.0    1616.0    9687.6    1615.1    9693.9    1615.7    9696.1
GR   1616.3    9699.6    1616.7    9709.0    1617.8    9717.3    1618.8    9728.3    1619.7    9737.0
GR   1619.6    9743.6    1619.3    9748.3    1618.4    9751.4    1612.3    9761.8    1608.3    9770.0
GR   1606.0    9772.1    1606.0    9774.8    1605.4    9802.8    1606.6    9807.7    1609.5    9819.4
```

```
GR   1610.5    9881.8   1610.5    9903.3   1610.0    9945.0   1609.4    9946.5   1606.6    9956.1
GR   1606.4    9970.0   1607.3   10000.0   1609.4   10012.8   1610.2   10016.4   1610.8   10036.3
GR   1610.9   10066.3   1611.3   10127.3   1611.3   10145.7   1611.3   10150.2   1610.7   10152.2
GR   1610.0   10154.5   1611.2   10166.1   1611.3   10168.1   1611.4   10214.1   1611.4   10233.2
GR   1611.9   10327.5   1611.9   10343.4   1611.9   10350.6   1611.8   10366.9   1611.9   10429.8
GR   1612.7   10454.9   1612.7   10468.2   1612.7   10479.8   1612.7   10505.4   1612.4   10508.3
GR   1610.7   10514.5   1610.0   10516.3   1612.0   10527.6   1612.0   10527.7   1612.0   10527.8
GR   1612.0   10527.8   1612.0   10527.9   1612.0   10545.2   1612.0   10577.6   1613.2   10653.6
GR   1613.2   10658.0   1613.3   10726.8   1613.3   10730.9   1613.3   10731.3   1613.3   10733.7
GR   1612.7   10775.3   1613.1   10785.1   1614.5   10807.8   1613.5   10827.2   1613.3   10832.0
GR   1611.4   10845.2   1610.7   10850.4   1610.7   10859.1   1610.7   10868.0   1610.8   10868.8
GR   1611.8   10876.5   1612.1   10908.3   1612.0   10918.8   1610.7   10922.5   1610.7   10922.6
GR   1610.7   10923.7   1611.3   10935.2   1611.4   10936.8   1612.1   10988.1   1612.3   11006.8
GR   1612.5   11026.5   1613.2   11054.5   1613.3   11062.0   1614.2   11072.9

NH      9      .055    9579.5      .09    9589.0      .028   9601.6      .09    9617.9      .055
NH   9972.0     .09    9983.6      .028  10004.0      .09   10064.6     .055   11192.9
ET              7.1                                         9549.3    9768.8
ET                      9.1                                                   9582.67   9611.87
X1  31.101       79    9944.8   10064.6      740       350      555
GR   1620.7    9549.3   1620.3    9551.3   1614.3    9577.8   1614.0    9579.5   1611.1    9585.2
GR   1608.2    9589.0   1608.0    9593.4   1608.4    9601.6   1611.7    9609.9   1614.5    9617.9
GR   1613.4    9669.6   1613.3    9678.0   1613.3    9683.1   1613.8    9716.0   1614.0    9768.8
GR   1614.0    9793.8   1615.4    9822.3   1615.5    9825.0   1612.8    9872.4   1612.7    9879.0
GR   1612.9    9895.1   1612.9    9908.5   1612.9    9917.8   1612.3    9926.0   1612.0    9944.8
GR   1611.0    9972.0   1610.8    9976.4   1610.6    9981.9   1610.6    9983.6   1609.6   10004.0
GR   1610.7   10046.3   1614.6   10064.6   1614.5   10090.1   1614.2   10180.0   1614.3   10193.5
GR   1614.0   10262.2   1613.6   10270.7   1613.5   10321.6   1613.3   10328.2   1613.2   10329.8
GR   1613.3   10335.8   1614.0   10342.1   1614.0   10418.5   1614.0   10423.5   1613.8   10424.4
GR   1613.0   10428.4   1612.0   10433.4   1614.0   10441.4   1614.0   10441.5   1614.0   10442.0
GR   1613.3   10505.3   1612.6   10513.2   1612.0   10517.2   1612.9   10522.7   1613.3   10524.1
GR   1613.9   10562.7   1614.0   10569.1   1613.3   10572.5   1612.6   10575.2   1613.0   10583.3
GR   1613.4   10594.1   1614.0   10610.9   1614.0   10616.2   1614.7   10641.4   1616.0   10699.0
GR   1616.2   10703.8   1616.1   10742.7   1614.1   10865.9   1614.0   10870.5   1613.9   10874.1
GR   1612.7   10914.8   1612.7   10921.8   1613.6   10984.7   1615.1   11044.1   1615.3   11074.1
GR   1615.8   11088.5   1618.8   11148.9   1620.1   11184.7   1620.1   11192.9

NH      9      .055    9402.4      .09    9418.2      .028   9434.8      .09    9458.3      .055
NH   9968.5     .09    9981.9      .028  10002.3      .09   10012.9     .055   10705.8
ET              7.1                                         9160      9637.9
ET                      9.1                                                   9319.61   9484.11
X1  31.205       90    9968.5   10095.6      500       555      550
GR     1620     9160   1617.5    9258.2   1616.3    9321.7   1616.4    9331.0   1616.4    9335.8
GR   1616.5    9344.1   1615.8    9371.0   1614.6    9376.8   1615.2    9381.5   1616.0    9389.0
GR   1616.4    9402.4   1616.7    9410.3   1615.5    9412.2   1612.8    9418.2   1611.3    9420.9
GR   1611.0    9424.6   1610.3    9429.5   1613.8    9434.8   1617.7    9439.8   1617.0    9447.0
GR   1616.5    9458.3   1616.3    9464.7   1615.6    9471.5   1615.3    9474.0   1615.8    9478.6
GR   1616.7    9487.8   1616.7    9490.0   1616.7    9490.4   1616.8    9491.8   1617.6    9509.6
GR   1618.0    9517.8   1618.7    9635.3   1618.8    9637.9   1618.8    9639.2   1618.8    9639.4
GR   1618.7    9646.0   1618.0    9707.6   1617.4    9714.0   1617.3    9714.7   1617.8    9719.3
GR   1617.8    9724.0   1618.6    9756.5   1617.7    9760.8   1616.5    9766.5   1617.4    9772.6
GR   1618.2    9781.4   1618.0    9815.4   1618.0    9860.6   1618.0    9880.0   1618.0    9884.8
GR   1617.5    9886.4   1614.7    9894.3   1616.5    9900.6   1618.7    9908.9   1618.2    9950.8
GR   1618.1    9964.3   1618.0    9968.5   1617.4    9969.5   1614.3    9981.9   1614.6   10000.0
```

GR	1614.7	10001.6	1615.0	10002.3	1618.0	10012.9	1618.0	10095.6	1618.2	10143.8
GR	1617.7	10147.8	1617.3	10155.8	1618.3	10161.5	1618.8	10164.4	1618.6	10176.5
GR	1618.3	10233.2	1618.4	10258.7	1618.4	10292.9	1616.7	10296.7	1616.7	10296.8
GR	1616.7	10297.5	1616.9	10307.9	1616.8	10316.1	1616.7	10317.5	1617.4	10335.4
GR	1617.3	10336.2	1616.0	10346.0	1616.0	10346.3	1616.0	10346.4	1616.0	10346.4
GR	1618.0	10348.2	1618.2	10454.1	1617.8	10578.2	1618.2	10627.4	1620.1	10705.8
NH	9	.055	9498.9	.09	9514.3	.028	9523.3	.09	9532.7	.055
NH	9989.5	.09	10000.0	.028	10026.0	.09	10045.9	.055	10777.0	
ET		7.1					9437.1	9756.6		
ET			9.1						9447.22	9713.68
X1	31.309	95	9989.5	10045.9	680	550	550			
GR	1626.2	8819.5	1624.0	8842.5	1622.7	8934.3	1622.7	8949.7	1622.3	8954.8
GR	1622.4	9022.1	1622.1	9032.5	1620.5	9065.9	1620.3	9069.3	1620.0	9075.2
GR	1620.0	9137.5	1620.0	9155.5	1620.4	9165.8	1620.7	9173.1	1616.3	9182.2
GR	1615.2	9184.5	1615.1	9185.0	1619.9	9195.1	1620.7	9197.2	1620.7	9198.5
GR	1620.0	9200.4	1615.6	9210.3	1617.3	9215.2	1620.9	9228.8	1620.7	9235.1
GR	1622.0	9384.3	1622.0	9437.1	1621.5	9454.7	1621.4	9460.3	1621.3	9471.7
GR	1621.3	9476.9	1621.7	9498.9	1620.4	9504.2	1616.0	9514.3	1616.1	9519.5
GR	1616.4	9523.3	1619.7	9528.2	1621.5	9532.7	1621.5	9587.5	1621.7	9621.7
GR	1621.2	9684.2	1621.2	9699.7	1621.3	9701.0	1621.7	9711.8	1622.0	9756.6
GR	1621.3	9800.8	1621.3	9801.3	1620.0	9811.5	1620.3	9816.7	1622.2	9827.9
GR	1622.0	9877.9	1622.0	9879.9	1621.9	9880.4	1621.3	9893.5	1621.3	9893.5
GR	1621.5	9921.4	1622.0	9989.5	1621.9	9989.7	1618.0	10000.0	1618.0	10018.3
GR	1618.0	10028.0	1621.5	10043.5	1622.7	10045.9	1622.3	10074.3	1621.8	10114.1
GR	1622.0	10151.7	1622.9	10188.8	1620.8	10196.0	1620.3	10198.8	1620.8	10201.1
GR	1622.2	10209.2	1622.2	10231.9	1622.4	10280.2	1621.7	10326.8	1622.0	10414.5
GR	1621.8	10416.0	1620.8	10422.5	1621.3	10428.0	1621.3	10428.5	1621.3	10432.2
GR	1621.2	10481.3	1621.5	10511.0	1620.7	10516.7	1619.9	10521.4	1620.6	10528.1
GR	1621.6	10533.0	1622.6	10600.0	1622.7	10614.1	1622.7	10631.3	1623.3	10635.8
GR	1624.2	10654.5	1625.2	10664.5	1625.5	10669.5	1627.7	10722.4	1630.6	10777.0
NH	10	.055	9679.9	.09	9690.8	.028	9704.4	.09	9719.3	.055
NH	9971.8	.09	9982.0	.055	9996.7	.028	10013.2	.09	10032.1	.055
NH	10857									
ET		7.1					9525.2	9719.3		
ET			9.1						9595.60	9716.78
X1	31.405	80	9971.8	10032.1	700	350	505			
GR	1631.9	9525.2	1631.9	9528.7	1632.0	9531.7	1631.5	9534.8	1628.6	9556.7
GR	1628.2	9560.7	1625.4	9602.4	1624.7	9606.7	1624.7	9614.7	1624.6	9617.8
GR	1624.5	9617.9	1622.7	9624.5	1624.8	9630.9	1625.3	9632.7	1626.0	9677.1
GR	1626.0	9677.8	1626.0	9678.2	1625.5	9679.9	1621.9	9690.8	1621.7	9692.8
GR	1622.0	9702.4	1622.0	9704.4	1624.3	9711.5	1626.6	9719.3	1626.6	9760.6
GR	1626.3	9881.7	1626.3	9902.0	1626.2	9922.5	1626.0	9941.5	1625.4	9948.2
GR	1625.8	9961.5	1625.8	9971.8	1623.1	9982.0	1620.7	9990.4	1620.7	9990.4
GR	1623.4	9996.3	1620.8	9996.7	1620.8	10000.0	1621.0	10005.4	1621.2	10013.2
GR	1622.0	10015.6	1622.7	10018.3	1625.5	10026.5	1625.6	10032.1	1625.8	10082.3
GR	1625.8	10101.0	1625.8	10104.2	1626.0	10111.7	1625.7	10163.3	1626.6	10213.6
GR	1626.8	10220.2	1626.8	10220.7	1626.6	10224.9	1626.5	10232.7	1624.7	10362.2
GR	1624.6	10386.1	1624.3	10388.0	1623.3	10390.0	1623.5	10392.5	1624.0	10400.4
GR	1624.6	10416.6	1624.7	10418.2	1624.6	10419.0	1623.3	10428.2	1624.4	10434.8
GR	1624.8	10439.6	1623.9	10489.2	1623.7	10541.0	1623.7	10548.0	1623.7	10553.8
GR	1626.0	10683.1	1626.0	10686.7	1626.0	10697.4	1626.2	10721.8	1627.5	10743.9
GR	1628.3	10795.8	1628.4	10801.6	1628.8	10812.1	1628.9	10815.3	1632.0	10857

NH	13	.055	9802.4	.09	9825.3	.028	9841.2	.09	9856.2	.055
NH	9895.5	.09	9926.8	.028	9940.3	.09	9954.9	.055	9988.0	.09
NH	9996.8	.028	10016.4	.09	10024.7	.055	10753.5			
ET		7.1					9562.7	9895.5		
ET			9.1						9576.79	9857.06

UPSTREAM END OF EAST SPLIT FLOW ANALYSIS, WHICH MATCHES MAIN DAGGS WASH CHANNEL SECTION 11.512.

X1	31.512	95	9895.5	10055.5	510	600	565			
GR	1635.3	9226.0	1631.3	9322.4	1630.2	9359.3	1630.1	9364.3	1630.1	9382.7
GR	1630.4	9394.6	1629.6	9408.9	1629.5	9412.6	1629.3	9420.2	1628.3	9458.4
GR	1628.3	9469.0	1628.1	9480.1	1627.6	9508.8	1627.1	9512.2	1626.7	9517.2
GR	1627.2	9519.6	1627.6	9521.7	1628.8	9553.7	1628.8	9562.7	1628.3	9577.4
GR	1628.0	9594.2	1627.3	9612.3	1627.3	9613.4	1626.0	9633.1	1624.1	9638.0
GR	1624.9	9642.5	1625.3	9644.7	1625.4	9644.9	1625.4	9649.4	1625.9	9674.8
GR	1625.9	9676.2	1625.9	9677.7	1624.7	9684.9	1626.6	9689.3	1626.7	9689.6
GR	1626.7	9696.6	1626.8	9697.4	1628.0	9725.6	1628.1	9734.0	1628.7	9760.5
GR	1628.7	9786.7	1628.5	9795.7	1628.2	9802.4	1627.3	9818.9	1626.6	9825.3
GR	1625.7	9829.9	1626.1	9836.3	1626.4	9841.2	1627.1	9846.9	1628.3	9856.2
GR	1628.7	9872.8	1628.7	9895.5	1628.4	9914.8	1628.0	9923.8	1626.8	9925.0
GR	1626.0	9926.8	1626.0	9927.5	1626.0	9931.4	1626.0	9934.9	1625.6	9940.3
GR	1626.8	9944.4	1627.3	9946.6	1627.3	9954.9	1627.0	9978.4	1627.0	9988.0
GR	1626.0	9994.1	1625.3	9996.8	1625.1	10000.0	1625.0	10015.4	1625.1	10016.4
GR	1625.3	10017.5	1625.7	10020.8	1626.3	10024.7	1627.4	10038.2	1628.3	10050.7
GR	1629.0	10055.5	1629.0	10056.8	1629.6	10105.9	1630.1	10174.0	1629.3	10235.7
GR	1628.9	10262.4	1629.2	10293.1	1629.2	10313.4	1629.1	10360.8	1629.0	10392.7
GR	1628.7	10396.2	1628.7	10400.7	1629.3	10403.2	1630.0	10415.6	1629.9	10438.2
GR	1630.3	10565.2	1630.8	10598.6	1632.7	10665.8	1633.3	10697.5	1635.1	10753.5

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

*PROF 1

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 10.787
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
3720 CRITICAL DEPTH ASSUMED
THIS MODEL WAS COPIED FROM THE EXISTING FLOODPLAIN MODEL(DGWH6)
TO EVALUATE THE FLOODWAY UPSTREAM OF SEC. 10.89.
THE FILE DATA WAS DELETED DOWNSTREAM OF SEC.10.787 FROM COPIED
FILE(DGWH6) TO SIMPLIFY THIS ANALYSIS.
THE TYPICAL EQUAL CONVEYANCE REDUCTION FLOODWAY ANALYSIS DID NOT APPLY
UPSTREAM OF SEC. 10.89, BECAUSE OF THREE FLOW BREAKOUTS WHICH WERE
IDENTIFIED UPSTREAM OF SEC. 10.89.

*********THE FOLLOWING IS A DISCUSSION OF THE APPROACH AND ASSUMPTIONS***
*********MADE IN EVALUATING A FLOODWAY FOR THIS REACH OF DAGGS WASH.*****

THE WEST BREAKOUT WASH WAS ESTIMATED TO RECEIVE THE PEAK 1535 CFS
OF THE 100-YR. HYDROGRAPH BETWEEN SEC. 12.56 AND 12.179 AND RETURN
TO THE MAIN WASH AT SEC. 10.89.
THE EAST BREAKOUT WASH WAS ESTIMATED TO RECEIVE UP TO 749 CFS OF THE
100-YR HYDROGRAPH BETWEEN SEC. 12.275 AND 12.043 , WHICH IMMEDIATELY
RETURNED TO THE MAIN WASH AT SEC. 11.95.
THE EAST SPLIT FLOW WASH WAS ESTIMATED TO RECEIVE 829 CFS OF THE 100-YR.
HYDROGRAPH AT SEC. 11.512, WHICH RETURNED TO THE MAIN CHANNEL AT
SEC. 10.89.
A FLOODWAY ENCROACHMENT ON ALL THREE BREAKOUTS AND THE MAIN CHANNEL
DID NOT SEEM APPROPRIATE, AS THESE ENCROACHMENTS WOULD LIKELY ALTER
THE ESTIMATED FLOW DISTRIBUTIONS TO EACH BREAKOUT DETERMINED FOR
THE EXISTING FLOODPLAIN DELINEATION.
THE MAIN CHANNEL AND THE EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE FIRST FLOWS OF THE HYDROGRAPH.
A TYPICAL FLOODWAY INVOLVES THE TOTAL FLOW IN ONE WASH CROSS SECTION
WHEREIN THE OUTSIDE FRINGE OF THE FLOODPLAIN IS ALLOWED TO BE FILLED
IN , SO LONG AS THE REMAINING MAIN CHANNEL AND ADJACENT FLOODPLAIN
CONVEY THE TOTAL FLOW WITHOUT MORE THAN A 1 FT. RISE IN THE WSEL
DUE TO THE FILLING IN OF THE OUTER FRINGE OF THE CROSS-SECTION.
THE ONLY PRACTICAL FLOODWAY FOR THIS SITUATION, WHEREIN ENCROACHMENT
OF THE THE TOTAL IDENIFIED FLOODPLAIN WIDTH COULD BE MADE WITH A
REASONABLE ASSURANCE OF MAINTAINING A DEFINED FLOW DISTRIBUTION
SEEMED TO INVOLVE FORCING ALL FLOW FROM THE WEST AND EAST BREAKOUTS

INTO THE MAIN DAGGS WASH CHANNEL AND THE EAST SPLIT FLOW WASH.
THE MAIN CHANNEL AND EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE INITIAL FLOWS FROM THE HYDROGRAPH AND THEREFORE ARE THE
LOW FLOWPATHS FOR FLOW IN KEEPING WITH THE TYPICAL FLOODWAY CONCEPT.
IF THE MAIN CHANNEL AND EAST SPLIT RECEIVE ALL OF THE FLOW IT WOULD
SEEM LOGICAL AGAIN THAT AT A MINIMUM , THE RISE IN WATER SURF. ELEVS.
SHOULD BE NO MORE THAN ONE FOOT, IN KEEPING WITH THE TYPICAL FLOODWAY
CONCEPT, WITH NO ADDITIONAL WIDINNG OF THE EXIST. FLOODPLAIN.
THE FLOW DISTRIBUTION TO MAIN CHANNEL AND EAST SPLIT FLOW WASH WAS
ASSUMED TO BE PROPORTIONAL TO THE EXISTING FLOODPLAIN ESTIMATED SPLIT.
THIS FLOODWAY ANALYIS, THEREFORE INVOLED FORCING THE TOTAL 100 YR
FLOW OF 3120 CFS IN THE MAIN CHANNEL AND EAST SPLIT FLOW WASH.
ENCROACHMENTS WERE ADDED ON THE SECOND PROFILE EQUAL TO THE EXISTING
FLOODPLAIN LT. AND RT. END STATIONS AS ABTAINED FROM FILE;DGWH6.
A RISE OF MORE THAN ONE FOOT WOULD BE CONSIDERED INAPPROPRIATE AND
INDICATE THAT A FLOODWAY FOR THIS REACH OF DAGGS WASH IS NOT APPLICABLE.
*********END DISCUSSION OF FLOODWAY EVALUATION METHODOLGY *********
CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. FORCEFED FROM EXIST. FLOODPLN. MODEL(DGWH6)
AND EQUAL CONVEYANCE REDUCTION METHOD FLOODWAY MODEL(DGWH7),RESPECTIVLY.

10.787	5.02	1604.02	1604.02	1603.99	1604.58	.56	.00	.00	1603.60
2943.0	526.8	1702.4	713.8	141.4	233.3	208.8	.0	.0	1603.60
.00	3.73	7.30	3.42	.055	.064	.055	.000	1599.00	9828.72
.017370	0.	0.	0.	0	4	0	.00	512.27	10340.99

FLOW DISTRIBUTION FOR SECNO= 10.79 CWSEL= 1604.02

STA=	9829.	9861.	9878.	9906.	9977.	10040.	10116.	10123.	10190.	10244.	10325.	10341.
PER Q=	3.5	4.3	5.2	5.0	57.8	3.4	5.2	5.4	3.4	6.1	.7	
AREA=	28.4	26.4	35.4	51.2	233.3	30.2	21.0	51.7	36.8	60.0	9.0	
VEL=	3.6	4.7	4.3	2.9	7.3	3.3	7.3	3.0	2.8	3.0	2.4	
DEPTH=	.9	1.5	1.3	.7	3.7	.4	3.0	.8	.7	.7	.6	

1490 NH CARD USED
*SECNO 10.890
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.16

THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF EAST SPLIT FLOW WASH FROM DAGGS WASH.

THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.(NOT MODELED FOR THIS FLOODWAY ANALYSIS).
THE EAST SPLIT FLOW OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

10.890	5.59	1608.59	.00	.00	1608.73	.14	4.11	.04	1607.10
3120.0	396.0	988.3	1735.7	214.4	221.3	808.6	11.8	9.2	1607.60
.05	1.85	4.47	2.15	.055	.058	.055	.000	1603.00	9780.11
.004174	550.	550.	570.	6	0	0	.00	908.15	10715.66

FLOW DISTRIBUTION FOR SECNO= 10.89 CWSEL= 1608.59

STA=	9780.	9891.	9952.	9983.	10031.	10092.	10121.	10171.	10261.	10331.	10353.	10422.	10468.
PER Q=	6.5	3.3	2.9	31.7	3.1	3.2	6.5	4.2	3.9	3.2	6.2	4.0	
AREA=	112.8	59.7	41.9	221.3	58.1	42.9	83.6	78.8	69.7	38.5	91.4	59.7	
VEL=	1.8	1.7	2.1	4.5	1.7	2.3	2.4	1.6	1.7	2.6	2.1	2.1	
DEPTH=	1.0	1.0	1.3	4.7	.9	1.5	1.6	.9	1.0	1.7	1.3	1.3	

STA=	10468.	10500.	10529.	10566.	10578.	10624.	10716.
PER Q=	3.9	4.2	3.4	3.9	4.1	1.9	
AREA=	50.8	51.6	49.8	34.7	59.3	39.8	
VEL=	2.4	2.5	2.1	3.5	2.1	1.5	
DEPTH=	1.6	1.7	1.4	2.8	1.3	.4	

1490 NH CARD USED
*SECNO 10.996
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .25

3470 ENCROACHMENT STATIONS= 9903.3 10127.3 TYPE= 1 TARGET= 224.000

10.996	5.49	1610.89	.00	.00	1611.01	.12	2.28	.00	1610.00
756.0	33.3	722.4	.3	26.9	256.4	1.4	21.5	16.0	1610.80
.11	1.24	2.82	.22	.055	.064	.055	.000	1605.40	9903.30
.003809	560.	555.	555.	4	0	0	.00	161.64	10064.94

FLOW DISTRIBUTION FOR SECNO= 11.00 CWSEL= 1610.89

STA=	9903.	9945.	10036.	10065.
PER Q=	4.4	95.6	.0	
AREA=	26.9	256.4	1.4	
VEL=	1.2	2.8	.2	
DEPTH=	.6	2.8	.0	

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

1490 NH CARD USED
*SECND 11.101
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9825.0 10064.6 TYPE= 1 TARGET= 239.600

11.101	5.21	1613.21	.00	.00	1613.30	.09	2.29	.00	1612.00
756.0	59.9	696.1	.0	43.4	283.0	.0	25.6	18.5	100000.00
.18	1.38	2.46	.00	.055	.073	.000	.000	1608.00	9865.13
.004289	740.	555.	350.	2	0	0	.00	192.96	10058.10

FLOW DISTRIBUTION FOR SECNO= 11.10 CWSEL= 1613.21

STA=	9865.	9926.	9945.	10065.
PER Q=	3.0	4.9	92.1	
AREA=	23.4	20.0	283.0	
VEL=	1.0	1.8	2.5	
DEPTH=	.4	1.1	2.5	

1490 NH CARD USED
*SECND 11.205
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .41

3470 ENCROACHMENT STATIONS= 9639.4 10143.8 TYPE= 1 TARGET= 504.399

11.205	7.25	1617.55	1617.13	.00	1618.10	.56	4.66	.14	1618.00
756.0	164.5	591.5	.0	32.7	95.1	.0	28.4	20.1	1618.00
.20	5.03	6.22	.00	.055	.064	.000	.000	1610.30	9712.43
.025136	500.	550.	555.	9	14	0	.00	77.59	10011.30

FLOW DISTRIBUTION FOR SECNO= 11.20 CWSEL= 1617.55

STA=	9712.	9894.	9901.	9905.	10013.
PER Q=	10.5	10.6	.7	78.2	
AREA=	18.3	12.3	2.1	95.1	
VEL=	4.3	6.5	2.7	6.2	
DEPTH=	.1	1.9	.5	2.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 11.309
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.61

3470 ENCROACHMENT STATIONS= 9827.9 10045.9 TYPE= 1 TARGET= 218.000

11.309	7.36	1622.46	.00	.00	1622.60	.13	4.45	.04	1622.00
756.0	138.4	617.6	.0	102.4	193.4	.0	31.3	22.3	100000.00
.26	1.35	3.19	.00	.055	.064	.000	.000	1615.10	9827.90
.003699	680.	550.	550.	4	0	0	.00	217.51	10045.41

FLOW DISTRIBUTION FOR SECNO= 11.31 CWSEL= 1622.46

STA=	9828.	9878.	9880.	9880.	9894.	9921.	9990.	10046.
PER Q=	1.1	.1	.0	2.2	6.6	8.2	81.7	
AREA=	12.7	.9	.3	11.2	29.4	47.9	193.4	
VEL=	.7	1.0	1.0	1.5	1.7	1.3	3.2	
DEPTH=	.3	.5	.5	.9	1.1	.7	3.5	

1490 NH CARD USED
*SECNO 11.405
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9760.6 10082.3 TYPE= 1 TARGET= 321.700

11.405	4.65	1625.35	.00	.00	1625.70	.35	3.04	.06	1625.80
756.0	.0	756.0	.0	.0	159.1	.0	34.1	24.2	1625.60
.29	.00	4.75	.00	.000	.064	.000	.000	1620.70	9973.48
.010467	700.	505.	350.	4	0	0	.00	52.59	10026.07

FLOW DISTRIBUTION FOR SECNO= 11.40 CWSEL= 1625.35

STA=	9973.	10027.
PER Q=	100.0	
AREA=	159.1	
VEL=	4.8	
DEPTH=	3.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 11.512

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.92

3470 ENCROACHMENT STATIONS= 9895.5 10174.0 TYPE= 1 TARGET= 278.500
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.
THIS WAS CONSIDERED UPSTREAM LIMIT OF EAST (LT. SIDE) BREAKOUT
OF FLOW WHICH RETURNS AT SEC, 10.89.BREAKOUT TO EAST SIDE WAS BASED ON
LEFT OVERBANK FLOW DISTRIBUTION FROM PRVIOUS RUN.
THE FLOW WAS CONSIDERED CAPABLE OF SHIFTING FLOW DISTRIBUTIONS TO
MAINTAIN RELATIVLY EQUAL WATER SURF.ELV. ACROSS CROSS-SECTION UPSTREAM
OF SEC. 11.512 TO SECTION 11.95.

11.512	4.23	1628.33	.00	.00	1628.50	.17	2.78	.02	1628.70
756.0	.0	756.0	.0	.0	229.5	.0	36.7	25.4	1629.00
.34	.00	3.29	.00	.000	.034	.000	.000	1624.10	9916.29
.002848	510.	565.	600.	4	0	0	.00	134.64	10050.93

FLOW DISTRIBUTION FOR SECNO= 11.51 CWSEL= 1628.33

STA=	9916.	9927.	9940.	9955.	9988.	9997.	10016.	10025.	10056.
PER Q=	.4	21.9	2.9	8.9	3.5	52.6	4.8	4.9	
AREA=	5.9	32.6	20.2	40.6	18.4	63.9	21.9	26.1	
VEL=	.6	5.1	1.1	1.7	1.4	6.2	1.7	1.4	
DEPTH=	.6	2.4	1.4	1.2	2.1	3.3	2.6	1.0	

1490 NH CARD USED
*SECNO 11.578
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9544.8 10054.3 TYPE= 1 TARGET= 509.500

11.578	4.37	1631.07	.00	.00	1631.38	.31	2.84	.04	1632.00
1585.0	816.0	749.4	19.6	183.5	162.9	12.0	39.1	27.2	1630.80
.36	4.45	4.60	1.63	.055	.069	.055	.000	1626.70	9619.91
.017142	380.	350.	250.	3	0	0	.00	297.46	10051.78

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

FLOW DISTRIBUTION FOR SECNO= 11.58 CWSEL= 1631.07

STA=	9620.	9633.	9641.	9649.	9651.	9659.	9669.	9678.	9720.	9725.	9768.	9790.	9818.
PER Q=	3.7	4.9	4.7	3.1	7.0	4.5	3.8	6.8	4.5	3.5	3.9	1.0	
AREA=	14.0	14.9	14.3	7.0	17.6	15.8	13.2	28.8	11.6	18.1	18.6	9.5	
VEL=	4.2	5.2	5.2	7.0	6.3	4.5	4.6	3.8	6.2	3.1	3.3	1.7	
DEPTH=	1.1	1.8	1.8	2.8	2.4	1.5	1.5	.7	2.4	.4	.9	.3	

STA=	9818.	10012.	10052.
PER Q=	47.3	1.2	
AREA=	162.9	12.0	
VEL=	4.6	1.6	
DEPTH=	2.1	.3	

1490 NH CARD USED
*SECNO 11.642
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.13

3470 ENCROACHMENT STATIONS= 9419.9 10581.1 TYPE= 1 TARGET= 1161.199

11.642	4.61	1633.52	.00	.00	1633.63	.11	2.22	.02	1633.30
1585.0	512.1	1051.1	21.8	247.0	357.6	26.4	42.7	30.2	1633.20
.39	2.07	2.94	.83	.055	.062	.055	.000	1628.90	9606.94
.003768	285.	340.	440.	4	0	0	.00	514.49	10121.44

FLOW DISTRIBUTION FOR SECNO= 11.64 CWSEL= 1633.52

STA=	9607.	9648.	9672.	9679.	9683.	9699.	9718.	9727.	9760.	9911.	10039.	10121.
PER Q=	4.8	4.4	3.4	3.2	4.3	3.7	3.8	3.5	1.2	66.3	1.4	
AREA=	42.2	33.2	18.2	13.2	29.1	25.6	20.7	32.2	32.6	357.6	26.4	
VEL=	1.8	2.1	3.0	3.8	2.3	2.3	2.9	1.7	.6	2.9	.8	
DEPTH=	1.0	1.4	2.5	3.7	1.7	1.4	2.3	1.0	.2	2.8	.3	

1490 NH CARD USED
*SECNO 11.717

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .55

3470 ENCROACHMENT STATIONS= 9435.5 10200.0 TYPE= 1 TARGET= 764.500

11.717	3.10	1635.80	.00	.00	1636.05	.25	2.38	.04	1636.40
1585.0	512.9	1072.1	.0	180.4	242.4	.0	47.2	34.0	1636.00
.42	2.84	4.42	.00	.055	.057	.000	.000	1632.70	9640.97
.012638	340.	395.	410.	2	0	0	.00	406.10	10135.66

FLOW DISTRIBUTION FOR SECNO= 11.72 CWSEL= 1635.80

STA=	9641.	9693.	9703.	9720.	9726.	9762.	9792.	9815.	9877.	9918.	10137.
PER Q=	3.9	4.0	4.7	3.7	3.8	4.5	3.5	3.7	.7	67.6	
AREA=	27.9	15.1	19.0	12.5	24.3	23.6	19.5	29.7	8.8	242.4	
VEL=	2.2	4.2	4.0	4.7	2.5	3.0	2.8	1.9	1.2	4.4	
DEPTH=	.5	1.6	1.1	2.1	.7	.8	.8	.5	.2	1.9	

1490 NH CARD USED
*SECNO 11.776
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9507.6 10230.6 TYPE= 1 TARGET= 723.000
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.

11.776	3.71	1638.31	.00	.00	1638.39	.08	2.33	.02	1637.40
1585.0	893.2	691.8	.0	377.1	310.7	.0	50.8	37.1	100000.00
.45	2.37	2.23	.00	.055	.062	.000	.000	1634.60	9626.23
.005607	260.	310.	360.	2	0	0	.00	584.76	10228.51

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

FLOW DISTRIBUTION FOR SECNO= 11.78 CWSEL= 1638.31

STA=	9626.	9667.	9695.	9704.	9731.	9738.	9749.	9799.	9812.	9827.	9884.	9969.	9986.
PER Q=	3.6	8.3	4.0	4.1	3.3	5.6	3.2	4.2	6.2	6.1	5.8	1.9	
AREA=	30.2	46.6	19.2	30.0	15.5	25.2	32.8	22.1	30.1	51.2	58.2	15.8	
VEL=	1.9	2.8	3.3	2.2	3.4	3.5	1.5	3.0	3.3	1.9	1.6	1.9	
DEPTH=	.7	1.7	2.1	1.1	2.2	2.2	.7	1.7	2.0	.9	.7	.9	

STA=	9986.	10231.
PER Q=	43.6	
AREA=	310.7	
VEL=	2.2	
DEPTH=	1.4	

1490 NH CARD USED
*SECNO 11.885
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9619.5 10769.8 TYPE= 1 TARGET= 1150.300

11.885	4.92	1642.22	.00	.00	1642.31	.10	3.92	.00	1641.80	
1585.0	475.9	1046.3	62.8	177.6	436.0	28.9	59.6	45.6	1641.90	
.52	2.68	2.40	2.17	.055	.062	.055	.000	1637.30	9705.71	
.008542	575.	575.	470.	4	0	0	.00	710.79	10495.31	

FLOW DISTRIBUTION FOR SECNO= 11.89 CWSEL= 1642.22

STA=	9706.	9739.	9745.	9763.	9776.	9791.	9798.	9859.	9983.	10444.	10466.	10495.
PER Q=	3.5	3.1	3.5	4.8	5.2	4.3	4.0	1.6	66.0	3.6	.4	
AREA=	25.1	11.6	19.0	20.6	23.4	16.6	34.8	26.5	436.0	22.3	6.6	
VEL=	2.2	4.2	3.0	3.7	3.5	4.2	1.8	.9	2.4	2.5	1.0	
DEPTH=	.7	2.2	1.0	1.6	1.5	2.3	.6	.2	1.1	1.0	.2	

1490 NH CARD USED
*SECNO 11.950

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

SECTION NO. 11.954 WAS SHORTENED TO 11.95 TO ALLOW REPEATING FOR
ANALYSIS OF BREAKOUT ON EAST SIDE FROM SEC. 12.043 TO SEC. 12.179,
WHERE WEIR FLOW INTO EAST (LT. SIDE) OVERBANK WAS COMPUTED FROM MAIN
CHANNEL.(NOT MODELED FOR THIS FLOODWAY ANALYSIS)

11.950	4.14	1645.64	.00	.00	1645.72	.09	3.41	.00	1646.60
1585.0	573.4	1011.3	.3	237.0	425.6	.6	65.2	51.9	1645.50
.56	2.42	2.38	.46	.055	.061	.055	.000	1641.50	9655.97
.009849	390.	365.	320.	5	0	0	.00	743.42	10591.47

FLOW DISTRIBUTION FOR SECNO= 11.95 CWSEL= 1645.64

STA=	9656.	9790.	9830.	9918.	9948.	9955.	10583.	10591.
PER Q=	21.0	3.3	8.7	3.1	.1	63.8	.0	
AREA=	127.0	24.2	61.9	22.3	1.6	425.6	.6	
VEL=	2.6	2.2	2.2	2.2	1.2	2.4	.5	
DEPTH=	.9	.6	.7	.7	.3	1.0	.1	

1490 NH CARD USED
*SECNO 12.043
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9974.5 10786.3 TYPE= 1 TARGET= 811.800
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT
SECTIONS 12.043, 12.107 AND 12.179 TO DEFINE BOY. WHERE WEIR FLOW
INTO LT. OVERBANK OCCURED.
MAIN CHANNEL DISCHARGES ARE REDUCED AT SECTIONS 12.043 ,12.107 AND
TO REFLECT WEIR FLOW INTO LT. OVERBANK. THIS WEIR FLOW INTO
LT. OVERBANK WAS THEN MODELED BY TRIBUTARY ANALYSIS OPTION OF HEC2
DIRT ROAD, AT GRADE, NOT MAINTAINED, NO CULVERTS, NO SPECIAL MODELING.

12.043	3.44	1648.74	.00	.00	1648.79	.05	3.06	.00	1648.70
836.0	.0	802.4	33.6	.0	434.9	42.5	71.2	58.1	1648.70
.63	.00	1.85	.79	.000	.061	.055	.000	1645.30	9974.50
.003599	465.	470.	350.	4	0	0	.00	467.93	10567.98

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

FLOW DISTRIBUTION FOR SECNO= 12.04 CWSEL= 1648.74

STA=	9975.	10365.	10398.	10409.	10481.	10525.	10545.	10568.
PER Q=	96.0	.2	.1	.2	2.1	1.2	.2	
AREA=	434.9	4.4	1.3	4.1	19.1	9.7	3.9	
VEL=	1.8	.4	.4	.4	.9	1.0	.5	
DEPTH=	1.4	.1	.1	.1	.4	.5	.2	

1490 NH CARD USED
*SECNO 12.107
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9974.9 10451.5 TYPE= 1 TARGET= 476.600
WEIR FLOW TO EAST (LT. SIDE) WAS ESTIMATED AT 206 CFS,BETWEEN SEC.12.107
AND SEC.12.179. TOTAL FLOW IN MAIN CHANNEL AT SEC. 12.107 IS 1017CFS.

12.107	2.94	1650.94	.00	.00	1651.10	.16	2.28	.03	1651.70
1017.0	.0	746.1	270.9	.0	216.8	102.0	74.3	61.2	1650.00
.66	.00	3.44	2.66	.000	.058	.055	.000	1648.00	9977.12
.013894	340.	340.	330.	2	0	0	.00	314.82	10356.03

FLOW DISTRIBUTION FOR SECNO= 12.11 CWSEL= 1650.94

STA=	9977.	10217.	10339.	10356.
PER Q=	73.4	25.8	.8	
AREA=	216.8	96.4	5.6	
VEL=	3.4	2.7	1.5	
DEPTH=	1.2	.8	.3	

1490 NH CARD USED
*SECNO 12.179
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.87

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

3470 ENCROACHMENT STATIONS= 9969.5 10232.4 TYPE= 1 TARGET= 262.900
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED IN RIGHT OVERBANK TO
ALONG GRADE BREAK WHICH DEFINED BREAKOUT OF FLOW TO WEST BETWEEN
SECTIONS 12.179 AND 12.560.
A WEIR FLOW ANALYSIS WAS INITIALLY CONDUCTED TO DETERMINE THE
AMOUNT OF FLOW WHICH COULD BREAKOUT TO THE WEST.THIS ANAYLSIS
INDICATED UP TO 2350CFS OF THE Q100=3120 CFS COULD BREAKOUT TO WEST.
ANOTHER BACKWATER ANALYSIS OF THE WEST BREAKOUT WASH CAPACITY WAS
THEN CONDUCTED TO DETERMINE IF THIS WEST BREAKOUT WASH COULD
CONVEY THIS MUCH FLOW. IT WAS DETERMINED THAT THE WEST WASH CAPACITY
DICTATED BREAKOUT BETWEEN SEC. 12.275 AND 12.560 AND THAT BETWEEN
SECTIONS 12.179 AND 12.275, WEIR FLOW DICTATED BREAKOUT TO THE WEST.
THE BREAKOUT TO THE WEST BETWEEN SECTIONS 12.179 AND 12.275 WAS ESTI-
MATED TO BE 615CFS (WEIR FLOW) FOR THE 100 YR. EVENT.
TOTAL FLOW IN WEST WASH BREAKOUT AT SEC. 12.179 IS 1535 CFS.
LIKEWISE IT WAS ESTIMATED THAT 362 CFS, BREAKS OUT TO THE EAST BASED
ON WEIR FLOW BETWEEN SEC. 12.179 AND 12.275.
AS SUCH THE MAIN CHANNEL FLOW AT SEC. 12.179 IS 1223 CFS.
BEGIN PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 490 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT. ALONG SECTN
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA.10497 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.
PATTON ROAD ALIGNMENT. NO ROAD ACROSS DAGGS WASH.

12.179	3.46	1654.16	.00	.00	1654.29	.14	3.19	.00	1653.70
1223.0	.0	379.6	843.4	.0	138.5	277.7	77.6	63.7	1653.30
.70	.00	2.74	3.04	.000	.069	.055	.000	1650.70	9969.50
.005746	345.	380.	400.	2	0	0	.00	243.44	10212.94

FLOW DISTRIBUTION FOR SECNO= 12.18 CWSEL= 1654.16

STA=	9970.	10032.	10064.	10088.	10128.	10133.	10145.	10152.	10164.	10174.	10183.	10193.	10213.
PER Q=	31.0	4.2	8.8	7.4	3.1	12.1	5.0	3.8	5.9	9.9	5.3	3.3	
AREA=	138.5	27.6	38.5	42.4	11.7	34.3	17.5	17.6	20.7	28.8	19.7	18.9	
VEL=	2.7	1.9	2.8	2.1	3.3	4.3	3.5	2.6	3.5	4.2	3.3	2.2	
DEPTH=	2.2	.9	1.6	1.1	2.2	3.1	2.2	1.5	2.2	3.0	2.0	.9	

1490 NH CARD USED
*SECNO 12.275

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

1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.83

3470 ENCROACHMENT STATIONS= 9761.1 10657.7 TYPE= 1 TARGET= 896.601
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC 12.275
WAS ESTIMATED AT 920 CFS.

12.275	3.35	1657.05	.00	.00	1657.15	.10	2.85	.00	1656.70
2200.0	18.1	371.3	1810.6	18.4	119.4	733.9	85.1	69.3	1657.30
.75	.98	3.11	2.47	.055	.062	.055	.000	1653.70	9910.83
.005535	500.	505.	510.	5	0	0	.00	722.56	10657.70

FLOW DISTRIBUTION FOR SECNO= 12.27 CWSEL= 1657.05

STA=	9911.	9971.	10023.	10160.	10185.	10278.	10293.	10331.	10374.	10394.	10412.	10526.	10546.
PER Q=	.8	16.9	6.8	3.1	10.0	3.1	6.0	4.1	6.0	4.2	26.5	3.4	
AREA=	18.4	119.4	80.2	29.6	102.7	24.0	52.9	42.2	40.2	31.3	200.1	29.0	
VEL=	1.0	3.1	1.9	2.3	2.1	2.9	2.5	2.1	3.3	2.9	2.9	2.6	
DEPTH=	.3	2.4	.6	1.2	1.1	1.7	1.4	1.0	2.1	1.7	1.7	1.5	

STA=	10546.	10594.	10658.
PER Q=	5.6	3.5	
AREA=	55.6	46.0	
VEL=	2.2	1.7	
DEPTH=	1.1	.7	

1490 NH CARD USED
*SECNO 12.370
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9580.5 10740.1 TYPE= 1 TARGET= 1159.600
LAND CLEARED ON EACH SIDE OF WASH FOR RANCH\FARM OPERATION.
LOWER OVERBANK 'N' VALUES AT THIS SECTION FOR THIS LAND TREATMENT.
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC.12.370

WAS ESTIMATED AT 370 CFS.

12.370	3.34	1660.04	.00	.00	1660.25	.21	3.07	.03	1659.80
2750.0	100.1	583.5	2066.5	56.9	103.1	707.2	94.8	77.8	1660.70
.79	1.76	5.66	2.92	.050	.041	.052	.000	1656.70	9864.20
.007082	540.	500.	480.	3	0	0	.00	788.00	10740.10

FLOW DISTRIBUTION FOR SECNO= 12.37 CWSEL= 1660.04

STA=	9864.	9955.	9970.	10010.	10306.	10344.	10388.	10429.	10509.	10526.	10559.	10648.	10740.
PER Q=	3.4	.3	21.2	9.3	3.4	5.8	8.5	23.9	3.6	5.3	3.8	11.6	
AREA=	51.0	5.9	103.1	130.1	37.5	54.8	66.9	163.2	29.7	49.1	56.4	119.5	
VEL=	1.8	1.3	5.7	2.0	2.5	2.9	3.5	4.0	3.3	3.0	1.9	2.7	
DEPTH=	.6	.4	2.6	.4	1.0	1.2	1.6	2.0	1.7	1.5	.6	1.3	

1490 NH CARD USED
*SECNO 12.464
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9364.1 10683.9 TYPE= 1 TARGET= 1319.801
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAP. ANALYSIS AT SEC. 12.464
WAS ESTIMATED AT 250 CFS.

12.464	3.60	1662.90	.00	.00	1663.03	.13	2.77	.01	1662.50
2920.0	188.9	427.2	2203.8	111.1	118.2	778.4	103.9	85.8	1663.30
.83	1.70	3.61	2.83	.055	.062	.055	.000	1659.30	9650.37
.006111	500.	495.	400.	2	0	0	.00	846.88	10658.63

FLOW DISTRIBUTION FOR SECNO= 12.46 CWSEL= 1662.90

STA=	9650.	9950.	9986.	10031.	10207.	10296.	10315.	10402.	10476.	10513.	10606.	10636.	10659.
PER Q=	4.2	2.5	15.2	3.7	12.4	4.3	16.6	12.8	6.9	15.4	5.0	1.2	
AREA=	76.8	34.3	118.2	57.9	129.4	36.7	152.4	122.3	64.0	149.5	48.5	17.8	
VEL=	1.5	2.0	3.6	1.8	2.7	3.3	3.1	3.0	3.0	2.9	2.9	1.8	
DEPTH=	.3	1.0	2.7	.3	1.4	1.9	1.8	1.7	1.7	1.6	1.6	.8	

1490 NH CARD USED
*SECNO 12.560
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9423.1 10631.1 TYPE= 1 TARGET= 1208.000

PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 80 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT.,PARALLELING
CROSS-SECTION AND APPRX. 75 FT. UPSTREAM OF SECTION.
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA. 10080 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.

12.560	3.66	1665.86	.00	.00	1666.02	.17	2.98	.01	1665.80
2870.0	613.0	877.7	1379.3	287.8	170.3	767.0	116.0	95.6	1665.00
.89	2.13	5.15	1.80	.055	.048	.086	.000	1662.20	9632.89
.006424	500.	505.	460.	3	0	0	.00	964.28	10631.10

FLOW DISTRIBUTION FOR SECNO= 12.56 CWSEL= 1665.86

STA=	9633.	9668.	9816.	9937.	9964.	10020.	10078.	10109.	10196.	10347.	10384.	10443.	10470.
PER Q=	3.2	13.5	4.6	.1	30.6	5.4	3.6	3.1	4.7	3.0	4.8	3.1	
AREA=	37.6	165.8	80.0	4.4	170.3	65.5	52.8	70.5	105.1	52.0	82.5	47.0	
VEL=	2.4	2.3	1.6	.6	5.2	2.4	1.9	1.2	1.3	1.7	1.7	1.9	
DEPTH=	1.1	1.1	.7	.2	3.0	1.1	1.7	.8	.7	1.4	1.4	1.7	

STA=	10470.	10489.	10591.	10631.
PER Q=	3.7	14.0	2.7	
AREA=	44.8	195.8	50.8	
VEL=	2.4	2.1	1.5	
DEPTH=	2.4	1.9	1.3	

1490 NH CARD USED
*SECNO 12.657
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9890.0 10548.1 TYPE= 1 TARGET= 658.100
RETURN TO TOTAL 100 YR. FLOW IN MAIN CHANNEL AT THIS SECTION.
100-YR DISCHARGE INCREASES FROM 3120CFS TO 3297CFS.THIS REFLECTS
APPARENT ATTENUATION OF FLOW PEAK DUE TO CHANNEL ROUTING WHICH
WAS REFLECTED IN THE JACKRABBIT WASH HYDROLOGY.
100-YR 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C88. (D.A.=13.31 SQ. MI.).
AREA TO LEFT OF STA.9890 BLOCKED OUT AS INEFFECTIVE FLOW, BASED ON
4:1 FLARE ANGLE DOWNSTREAM FROM BOX CULVERT OUTLET. THE 2-36"X 22"
CMPA'S AT LEFT WERE CONSIDERED TO CONTRIBUTE INSIGNIFICANT FLOW TO
THIS OVERBANK. FLOW OVER THE RD. DOES NOT OCCUR IN LT. OVERBANK.

12.657	4.09	1669.19	.00	.00	1669.41	.21	3.37	.01	1668.00
3297.0	327.3	844.4	2125.4	115.1	171.8	658.7	129.3	105.1	1668.00
.92	2.84	4.92	3.23	.055	.055	.049	.000	1665.10	9890.00
.006247	400.	510.	580.	3	0	0	.00	599.43	10489.43

FLOW DISTRIBUTION FOR SECNO= 12.66 CWSEL= 1669.19

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

STA=	9890.	9918.	9964.	10012.	10117.	10159.	10169.	10176.	10189.	10211.	10246.	10357.	10405.
PER Q=	4.1	5.8	25.6	11.1	6.8	7.3	8.9	3.2	4.2	4.2	9.6	5.0	
AREA=	46.8	68.3	171.8	140.7	72.2	32.1	28.4	28.8	42.8	50.1	131.7	63.7	
VEL=	2.9	2.8	4.9	2.6	3.1	7.6	10.4	3.7	3.3	2.7	2.4	2.6	
DEPTH=	1.7	1.5	3.6	1.3	1.7	3.3	3.9	2.3	1.9	1.4	1.2	1.3	

STA=	10405.	10487.
PER Q=	4.2	
AREA=	68.1	
VEL=	2.0	
DEPTH=	.8	

1490 NH CARD USED
*SECNO 12.697

3265 DIVIDED FLOW

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1670.50 ELREA= 1668.40

12.697	3.35	1670.05	.00	.00	1670.33	.28	.91	.02	1666.70
3297.0	.0	919.0	2378.0	.0	137.8	859.3	134.0	107.9	1666.70
.94	.00	6.67	2.77	.000	.028	.055	.000	1666.70	9959.00
.003140	230.	210.	210.	2	0	0	.00	530.92	10561.50

FLOW DISTRIBUTION FOR SECNO= 12.70 CWSEL= 1670.05

STA=	9959.	10000.	10136.	10187.	10272.	10286.	10310.	10320.	10346.	10374.	10398.	10561.
PER Q=	27.9	5.2	8.1	24.0	4.6	7.9	3.3	7.6	7.0	4.0	.5	
AREA=	137.8	116.6	106.3	253.0	46.1	77.9	32.1	79.5	76.8	51.8	19.2	
VEL=	6.7	1.5	2.5	3.1	3.3	3.3	3.4	3.2	3.0	2.5	.8	
DEPTH=	3.4	.9	2.1	3.0	3.2	3.3	3.3	3.0	2.8	2.2	.1	

CCHV= .300 CEHV= .500
*SECNO 12.701

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

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.88

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.15

BEGIN NORMAL BRIDGE MODELING OF PEAKVIEW ROAD (A.K.A.TOYOTA PROVING GROUNDS ACCESS RD.)
THE MAIN DAGGS WASH HAS A 4 BARREL 10FT.X 3 FT. X 48FT. CONCRETE BOX CULVERT CROSSING, WITH 45 DEGREE ANGLE WINGWALLS.
THE BOX OUTLET CONC. I.E.=1666.15.
THE BOX INLET CONC. I.E.=1666.35.
THE BOX CULVERT WAS MODELED AS A 40 FT. WIDE X 3.0 FT HIGH OPENING (I.E. WITHOUT PIERS TO SIMPLIFY MODEL).
THE 'N' VALUES FOR LT., RT.,OVERBANKS AND CHANNEL WERE REDUCED TO MODEL THE FLOW SURFACES FOR THE PAVEMENT (N=.016),CONCRETE BOX CULVERT(N=.013), AND THE MINOR CAPACITY CMPA CULVERTS(N=.024). SINCE FLOW OVER THE PAVEMENT DOES NOT OCCUR AT THE LT.OVERBANK OR CHANNEL, THESE 'N' VALUES REPRESENT THE RESPECTIVE CULVERT TYPE.
THE RIGHT SIDE ROAD OVERBANK DIPS DOWN TO A LOW ELEV. OF 1668.0 WHICH IS BELOW THE BOX CULVERT INLET LOW CHORD EL=1669.35.,HENCE THE NORMAL BRIDGE MODELING OF THIS CROSSING, DUE TO BACKWATER SUBMERGENCE OF RD. AND RELATIVE SMALL CAPACITY OF CULVERTS TO 100 YR. DISCHARGE.
THE LEFT OVERBANK (STA.9687.3) CONTAINS TWO 36"X22"X50 FT. CORRAGATED METAL PIPE ARCH (CMPA'S) CULVERTS. THESE TWO CULVERTS WERE ALSO MODELED AS ONE 4.8 FT. (WIDE) X 1.83 FT. OPENING TO SIMPLIFY MODEL.
THE CMPA'S OUTLET I.E.=1668.8 AND THE INLET I.E.=1669.1.

12.701	3.97	1670.12	.00	.00	1670.37	.25	.03	.01	1669.15
3297.0	10.4	503.8	2782.8	6.3	119.0	692.6	134.5	108.1	1669.15
.94	1.66	4.23	4.02	.024	.013	.016	.000	1666.15	9684.91
.000889	20.	20.	20.	2	0	0	-81.32	611.65	10577.62

FLOW DISTRIBUTION FOR SECNO= 12.70 CWSEL= 1670.12

STA=	9685.	9690.	10000.	10145.	10165.	10215.	10265.	10390.	10440.	10490.	10528.	10578.
PER Q=	.3	15.3	.7	1.4	7.9	13.0	36.6	13.2	8.6	2.5	.4	
AREA=	6.3	119.0	16.4	18.3	73.3	98.3	264.4	99.5	77.0	32.5	12.9	
VEL=	1.7	4.2	1.4	2.6	3.6	4.3	4.6	4.4	3.7	2.5	1.1	
DEPTH=	1.3	3.0	.1	.9	1.5	2.0	2.1	2.0	1.5	.9	.3	

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

*SECNO 12.709

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.35

END PEAKVIEW ROAD.

12.709	3.82	1670.17	.00	.00	1670.41	.24	.03	.00	1669.35
3297.0	7.4	482.7	2806.9	5.1	119.0	718.6	135.2	108.7	1669.35
.94	1.45	4.06	3.91	.024	.013	.016	.000	1666.35	9684.91
.000816	40.	40.	40.	2	0	0	-67.65	617.00	10582.85

FLOW DISTRIBUTION FOR SECNO= 12.71 CWSEL= 1670.17

STA=	9685.	9690.	10000.	10145.	10165.	10215.	10265.	10390.	10440.	10490.	10528.	10583.
PER Q=	.2	14.6	.8	1.5	8.1	13.0	36.6	13.2	8.8	2.6	.5	
AREA=	5.1	119.0	18.9	19.4	76.0	101.0	271.2	102.2	79.7	34.5	15.8	
VEL=	1.4	4.1	1.4	2.6	3.5	4.2	4.4	4.3	3.6	2.5	1.1	
DEPTH=	1.1	3.0	.1	1.0	1.5	2.0	2.2	2.0	1.6	.9	.3	

1490 NH CARD USED
*SECNO 12.712

3265 DIVIDED FLOW

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1671.60 ELREA= 1668.50

12.712	4.12	1671.02	1671.02	.00	1671.71	.69	.03	.23	1667.30
3297.0	.0	1532.5	1764.5	.0	163.1	685.6	135.5	108.9	1666.90
.94	.00	9.40	2.57	.000	.028	.056	.000	1666.90	9958.30
.005085	16.	16.	16.	20	8	0	.00	603.08	10572.99

FLOW DISTRIBUTION FOR SECNO= 12.71 CWSEL= 1671.02

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

STA=	9958.	10000.	10078.	10146.	10227.	10242.	10281.	10307.	10358.	10391.	10429.	10573.
PER Q=	46.5	3.2	5.8	16.6	3.9	7.6	3.1	4.1	3.5	3.9	1.9	
AREA=	163.1	57.9	84.9	171.9	36.6	79.9	39.5	61.7	47.4	53.3	52.7	
VEL=	9.4	1.8	2.2	3.2	3.5	3.1	2.6	2.2	2.4	2.4	1.2	
DEPTH=	3.9	.7	1.2	2.1	2.5	2.1	1.5	1.2	1.4	1.4	.4	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 12.740

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9810.0 10678.8 TYPE= 1 TARGET= 868.800
UPSTREAM END OF STUDY.
AREA TO LEFT OF STA. 9810 WAS BLOCKED OUT AS INEFFECTIVE BASED ON
1:1 FLARE ANGLE UPSTREAM FROM BOX CULVERT INLET. THE 2-36"X22"CMPA'S
ON LT. SIDE WERE CONSIDERED OF INSIGNIFICANT CAPACITY AND NO RD.
OVERTOPPING OF LEFT OVERBANK OCCURS FOR Q100 WERE BASIS FOR BLOCKOUT.

12.740	4.97	1672.07	.00	.00	1672.48	.41	.74	.03	1671.30
3297.0	230.6	2046.3	1020.1	112.5	326.4	460.0	138.5	111.1	1672.70
.95	2.05	6.27	2.22	.055	.029	.055	.000	1667.10	9810.00
.004745	150.	150.	150.	4	0	0	.00	642.04	10578.67

FLOW DISTRIBUTION FOR SECNO= 12.74 CWSEL= 1672.07

STA=	9810.	9844.	9910.	9937.	9958.	9997.	10017.	10042.	10050.	10168.	10237.	10265.	10313.
PER Q=	3.7	3.3	2.0	29.3	2.5	26.5	1.8	.0	5.2	5.1	4.1	7.9	
AREA=	51.9	60.5	43.4	95.5	57.5	89.9	38.9	1.2	97.0	80.9	49.3	91.1	
VEL=	2.4	1.8	1.5	10.1	1.4	9.7	1.5	.7	1.8	2.1	2.7	2.9	
DEPTH=	1.5	.9	1.6	4.6	1.5	4.4	1.6	.2	.8	1.2	1.8	1.9	

STA=	10313.	10532.	10578.
PER Q=	5.4	3.3	
AREA=	90.7	50.9	
VEL=	2.0	2.1	
DEPTH=	.4	1.1	

1490 NH CARD USED

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

*SECNO -10.890
START TRIB COMP
-10.890 10.890 1608.587
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

-10.890	5.59	1608.59	.00	.00	1608.73	.15	.00	.00	1607.10
3120.0	394.4	993.1	1732.5	212.9	221.0	803.7	152.3	121.1	1607.60
1.00	1.85	4.49	2.16	.055	.058	.055	.000	1603.00	9780.17
.004236	550.	550.	570.	0	0	0	.00	907.37	10715.26

FLOW DISTRIBUTION FOR SECNO= -10.89 CWSEL= 1608.59

STA=	9780.	9891.	9952.	9983.	10031.	10092.	10121.	10171.	10261.	10331.	10353.	10422.	10468.
PER Q=	6.5	3.3	2.9	31.8	3.1	3.2	6.5	4.1	3.9	3.2	6.2	4.0	
AREA=	112.0	59.2	41.7	221.0	57.6	42.7	83.2	78.1	69.2	38.4	90.9	59.3	
VEL=	1.8	1.7	2.1	4.5	1.7	2.3	2.4	1.7	1.7	2.6	2.1	2.1	
DEPTH=	1.0	1.0	1.3	4.7	.9	1.5	1.6	.9	1.0	1.7	1.3	1.3	

STA=	10468.	10500.	10529.	10566.	10578.	10624.	10715.
PER Q=	3.9	4.2	3.4	3.9	4.0	1.9	
AREA=	50.5	51.4	49.5	34.6	58.9	39.3	
VEL=	2.4	2.6	2.1	3.5	2.1	1.5	
DEPTH=	1.6	1.7	1.3	2.8	1.3	.4	

1490 NH CARD USED
*SECNO 30.996

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .47

3470 ENCROACHMENT STATIONS= 9652.6 9881.8 TYPE= 1 TARGET= 229.200
REPEAT COMMON SECTION 10.89 FOR TRIBUTARY ANALYSIS OF EAST SPLIT FLOW.
THIS SPLIT FLOW WAS CONSIDERED TO START UPSTREAM AT MAIN CHANNEL SECTION
NO. 11.512, WHERE THE LEFT OVERBANK DISCHARGE OF 829CFS.
SEPARATES TO A DEFINED WASH WHICH REJOINS THE MAIN DAGGS WASH CHANNEL
AT SECTION 10.89.
SECTION 30.996 IS MAIN CHANNEL SECTION NO.10.996 REPEATED WITH 20
ADDED TO THE I.D. NUMBER TO DIFFERENTIATE THE EAST SPLIT FLOW ANALYSIS.
UPSTREAM SECTION I.D. NOS. ARE REPEATED WITH 20 ADDED TO I.D. TO

UPPER LIMIT OF THIS SPLIT FLOW ANALYSIS AT SECTION 31.512.(A.K.A.,SECT-
ION I.D.11.512 OF MAIN CHANNEL).
ENCROACHMENTS ADDED TO RESTRICT FLOW TO THE EAST SPLIT FLOW WASH.

30.996	4.88	1610.28	.00	.00	1610.51	.23	1.75	.02	100000.00
829.0	829.0	.0	.0	217.0	.0	.0	161.6	127.5	100000.00
1.04	3.82	.00	.00	.033	.000	.000	.000	1605.40	9765.93
.001349	560.	555.	555.	2	0	0	.00	102.49	9868.42

FLOW DISTRIBUTION FOR SECNO= 31.00 CWSEL= 1610.28

STA=	9766.	9770.	9772.	9775.	9803.	9808.	9819.	9868.	10036.
PER Q=	.3	.8	7.2	83.3	4.0	3.2	1.2	.0	
AREA=	4.0	6.6	11.6	128.4	21.0	26.2	19.3	.0	
VEL=	.6	1.0	5.1	5.4	1.6	1.0	.5	.0	
DEPTH=	1.0	3.1	4.3	4.6	4.3	2.2	.4	.0	

1490 NH CARD USED
*SECNO 31.101

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9549.3 9768.8 TYPE= 1 TARGET= 219.500

31.101	4.38	1612.38	1612.38	.00	1613.85	1.47	2.15	.37	100000.00
829.0	829.0	.0	.0	85.2	.0	.0	164.2	128.7	100000.00
1.07	9.73	.00	.00	.034	.000	.000	.000	1608.00	9582.68
.010207	740.	555.	350.	20	12	0	.00	29.17	9611.85

FLOW DISTRIBUTION FOR SECNO= 31.10 CWSEL= 1612.38

STA=	9583.	9585.	9589.	9593.	9602.	9610.	9612.	10065.
PER Q=	.2	3.5	32.1	57.5	6.5	.1	.0	
AREA=	1.6	10.4	18.8	34.3	19.4	.7	.0	
VEL=	1.1	2.8	14.1	13.9	2.8	.8	.0	
DEPTH=	.6	2.7	4.3	4.2	2.3	.3	.0	

1490 NH CARD USED
*SECNO 31.205

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 = 1.62

3470 ENCROACHMENT STATIONS= 9160.0 9637.9 TYPE= 1 TARGET= 477.900

31.205	6.04	1616.34	.00	.00	1616.92	.58	2.97	.09	100000.00
829.0	829.0	.0	.0	136.2	.0	.0	165.5	129.4	100000.00
1.09	6.09	.00	.00	.032	.000	.000	.000	1610.30	9319.42
.003887	500.	550.	555.	2	0	0	.00	104.68	9484.15

FLOW DISTRIBUTION FOR SECNO= 31.20 CWSEL= 1616.34

STA=	9319.	9382.	9418.	9421.	9425.	9430.	9435.	9484.	10096.
PER Q=	3.7	3.7	11.2	22.9	35.3	21.3	2.0	.0	
AREA=	19.2	21.3	11.6	19.2	27.9	22.8	14.2	.0	
VEL=	1.6	1.4	8.0	9.9	10.5	7.7	1.2	.0	
DEPTH=	.3	.6	4.3	5.2	5.7	4.3	.3	.0	

1490 NH CARD USED
*SECNO 31.309
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9437.1 9756.6 TYPE= 1 TARGET= 319.500

31.309	6.61	1621.71	1621.71	.00	1622.09	.38	3.16	.02	100000.00
829.0	829.0	.0	.0	168.1	.0	.0	167.8	132.3	100000.00
1.13	4.93	.00	.00	.041	.000	.000	.000	1615.10	9447.22
.005635	680.	550.	550.	2	18	0	.00	266.46	9713.68

FLOW DISTRIBUTION FOR SECNO= 31.31 CWSEL= 1621.71

STA=	9447.	9514.	9520.	9523.	9528.	9684.	9714.	10046.
PER Q=	13.4	45.0	30.9	5.6	3.6	1.5	.0	
AREA=	52.2	29.4	20.8	17.9	36.9	10.9	.0	
VEL=	2.1	12.7	12.3	2.6	.8	1.2	.0	
DEPTH=	.8	5.7	5.5	3.7	.2	.4	.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 31.405

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9525.2 9719.3 TYPE= 1 TARGET= 194.100

31.405	5.16	1625.86	.00	.00	1626.28	.42	4.18	.01	100000.00
829.0	829.0	.0	.0	159.1	.0	.0	170.5	135.3	100000.00
1.16	5.21	.00	.00	.041	.000	.000	.000	1620.70	9595.60
.006336	700.	505.	350.	3	0	0	.00	110.47	9716.78

FLOW DISTRIBUTION FOR SECNO= 31.41 CWSEL= 1625.86

STA=	9596.	9615.	9625.	9631.	9691.	9693.	9702.	9704.	9712.	9717.	10032.
PER Q=	3.6	7.6	5.6	7.4	10.5	49.4	9.7	5.7	.5	.0	
AREA=	14.3	18.8	13.5	35.0	8.1	38.5	7.7	19.2	4.1	.0	
VEL=	2.1	3.4	3.4	1.8	10.7	10.7	10.4	2.5	1.1	.0	
DEPTH=	.7	1.9	2.1	.6	4.1	4.0	3.9	2.7	.8	.0	

1490 NH CARD USED
*SECNO 31.512

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

3470 ENCROACHMENT STATIONS= 9562.7 9895.5 TYPE= 1 TARGET= 332.800
UPSTREAM END OF EAST SPLIT FLOW ANALYSIS, WHICH MATCHES MAIN
DAGGS WASH CHANNEL SECTION 11.512.

31.512	4.22	1628.32	.00	.00	1628.42	.10	2.11	.03	100000.00
829.0	829.0	.0	.0	322.6	.0	.0	173.3	137.3	100000.00
1.22	2.57	.00	.00	.051	.000	.000	.000	1624.10	9576.79
.002901	510.	565.	600.	3	0	0	.00	224.31	9857.06

FLOW DISTRIBUTION FOR SECNO= 31.51 CWSEL= 1628.32

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

STA=	9577.	9633.	9638.	9643.	9649.	9675.	9685.	9689.	9697.	9726.	9830.	9836.	9841.
PER Q=	10.1	5.9	7.3	7.6	22.9	10.1	3.8	3.2	4.3	7.8	9.6	5.7	
AREA=	49.0	16.0	17.2	20.8	67.8	28.8	11.7	13.1	26.0	31.7	15.5	10.1	
VEL=	1.7	3.1	3.5	3.0	2.8	2.9	2.6	2.0	1.4	2.0	5.1	4.6	
DEPTH=	.9	3.3	3.8	3.0	2.7	2.8	2.7	1.6	.9	.3	2.4	2.1	

STA=	9841.	9857.	10056.
PER Q=	1.7	.0	
AREA=	14.7	.0	
VEL=	1.0	.0	
DEPTH=	.9	.0	

```
T1      DAGGS WASH FLOODPLAIN DELINEATION STUDY
T2                                    A-N WEST INC., PHX. AZ.
T3      DAGGS WASH-100YR. FLOODWAY

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

     -10        3                                                      1605.02

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     15                 -1
```

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

*PROF 2

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 10.787
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9962.1 10146.5 TYPE= 1 TARGET= 184.460
THIS MODEL WAS COPIED FROM THE EXISTING FLOODPLAIN MODEL(DBWH6)
TO EVALUATE THE FLOODWAY UPSTREAM OF SEC. 10.89.
THE FILE DATA WAS DELETED DOWNSTREAM OF SEC.10.787 FROM COPIED
FILE(DBWH6) TO SIMPLIFY THIS ANALYSIS.
THE TYPICAL EQUAL CONVEYANCE REDUCTION FLOODWAY ANALYSIS DID NOT APPLY
UPSTREAM OF SEC. 10.89, BECAUSE OF THREE FLOW BREAKOUTS WHICH WERE
IDENTIFIED UPSTREAM OF SEC. 10.89.

********THE FOLLOWING IS A DISCUSSION OF THE APPROACH AND ASSUMPTIONS***
********MADE IN EVALUATING A FLOODWAY FOR THIS REACH OF DAGGS WASH.*****

THE WEST BREAKOUT WASH WAS ESTIMATED TO RECEIVE THE PEAK 1535 CFS
OF THE 100-YR. HYDROGRAPH BETWEEN SEC. 12.56 AND 12.179 AND RETURN
TO THE MAIN WASH AT SEC. 10.89.
THE EAST BREAKOUT WASH WAS ESTIMATED TO RECEIVE UP TO 749 CFS OF THE
100-YR HYDROGRAPH BETWEEN SEC. 12.275 AND 12.043 , WHICH IMMEDIATELY
RETURNED TO THE MAIN WASH AT SEC. 11.95.
THE EAST SPLIT FLOW WASH WAS ESTIMATED TO RECEIVE 829 CFS OF THE 100-YR.
HYDROGRAPH AT SEC. 11.512, WHICH RETURNED TO THE MAIN CHANNEL AT
SEC. 10.89.
A FLOODWAY ENCROACHMENT ON ALL THREE BREAKOUTS AND THE MAIN CHANNEL
DID NOT SEEM APPROPRIATE, AS THESE ENCROACHMENTS WOULD LIKELY ALTER
THE ESTIMATED FLOW DISTRIBUTIONS TO EACH BREAKOUT DETERMINED FOR
THE EXISTING FLOODPLAIN DELINEATION.
THE MAIN CHANNEL AND THE EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE FIRST FLOWS OF THE HYDROGRAPH.
A TYPICAL FLOODWAY INVOLVES THE TOTAL FLOW IN ONE WASH CROSS SECTION
WHEREIN THE OUTSIDE FRINGE OF THE FLOODPLAIN IS ALLOWED TO BE FILLED
IN , SO LONG AS THE REMAINING MAIN CHANNEL AND ADJACENT FLOODPLAIN
CONVEY THE TOTAL FLOW WITHOUT MORE THAN A 1 FT. RISE IN THE WSEL
DUE TO THE FILLING IN OF THE OUTER FRINGE OF THE CROSS-SECTION.
THE ONLY PRACTICAL FLOODWAY FOR THIS SITUATION, WHEREIN ENCROACHMENT
OF THE THE TOTAL IDENIFIED FLOODPLAIN WIDTH COULD BE MADE WITH A
REASONABLE ASSURANCE OF MAINTAINING A DEFINED FLOW DISTRIBUTION

SEEMED TO INVOLVE FORCING ALL FLOW FROM THE WEST AND EAST BREAKOUTS
INTO THE MAIN DAGGS WASH CHANNEL AND THE EAST SPLIT FLOW WASH.
THE MAIN CHANNEL AND EAST SPLIT FLOW WASH (SEC.10.89 TO 11.512)
RECEIVE THE INITIAL FLOWS FROM THE HYDROGRAPH AND THEREFORE ARE THE
LOW FLOWPATHS FOR FLOW IN KEEPING WITH THE TYPICAL FLOODWAY CONCEPT.
IF THE MAIN CHANNEL AND EAST SPLIT RECEIVE ALL OF THE FLOW IT WOULD
SEEM LOGICAL AGAIN THAT AT A MINIMUM , THE RISE IN WATER SURF. ELEVS.
SHOULD BE NO MORE THAN ONE FOOT, IN KEEPING WITH THE TYPICAL FLOODWAY
CONCEPT, WITH NO ADDITIONAL WIDINNG OF THE EXIST. FLOODPLAIN.
THE FLOW DISTRIBUTION TO MAIN CHANNEL AND EAST SPLIT FLOW WASH WAS
ASSUMED TO BE PROPORTIONAL TO THE EXISTING FLOOPPLAIN ESTIMATED SPLIT.
THIS FLOODWAY ANALYIS, THEREFORE INVOLED FORCING THE TOTAL 100 YR
FLOW OF 3120 CFS IN THE MAIN CHANNEL AND EAST SPLIT FLOW WASH.
ENCROACHMENTS WERE ADDED ON THE SECOND PROFILE EQUAL TO THE EXISTING
FLOODPLAIN LT. AND RT. END STATIONS AS ABTAINED FROM FILE;DGWH6.
A RISE OF MORE THAN ONE FOOT WOULD BE CONSIDERED INAPPROPRIATE AND
INDICATE THAT A FLOODWAY FOR THIS REACH OF DAGGS WASH IS NOT APPLICABLE.
*********END DISCUSSION OF FLOODWAY EVALUATION METHODOLGY *********
CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. FORCEFED FROM EXIST. FLOODPLN. MODEL(DGWH6)
AND EQUAL CONVEYANCE REDUCTION METHOD FLOODWAY MODEL(DGWH7),RESPECTIVLY.

10.787	6.02	1605.02	.00	1604.02	1605.64	.62	.00	.00	1603.60
2943.0	80.2	2069.6	793.2	22.6	296.2	178.9	.0	.0	1603.60
.00	3.55	6.99	4.43	.055	.064	.055	.000	1599.00	9962.07
.011582	0.	0.	0.	0	0	0	.00	184.46	10146.53

1490 NH CARD USED
*SECND 10.890
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.63

3470 ENCROACHMENT STATIONS= 9983.4 10347.5 TYPE= 1 TARGET= 364.119
THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF EAST SPLIT FLOW WASH FROM DAGGS WASH.
THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.(NOT MODELED FOR THIS FLOODWAY ANALYSIS).
THE EAST SPLIT FLOW OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

10.890	6.38	1609.38	.00	1608.59	1609.64	.26	3.96	.04	1607.10
3120.0	.0	1341.2	1778.8	.0	258.2	606.5	8.8	3.6	1607.60
.04	.00	5.19	2.93	.000	.058	.055	.000	1603.00	9983.40
.004883	550.	550.	570.	4	0	0	.00	364.12	10347.52

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 10.996
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .53

3470 ENCROACHMENT STATIONS= 9903.3 10058.8 TYPE= 1 TARGET= 155.530

10.996	6.59	1611.99	.00	1610.89	1612.17	.18	2.52	.01	1610.00
1488.0	173.2	1268.1	46.6	72.5	356.2	25.9	17.2	6.9	1610.80
.09	2.39	3.56	1.80	.055	.064	.055	.000	1605.40	9903.30
.003927	560.	555.	555.	3	0	0	.00	155.53	10058.83

1490 NH CARD USED
*SECNO 11.101
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9865.0 10058.1 TYPE= 1 TARGET= 193.130

11.101	6.30	1614.30	.00	1613.21	1614.42	.12	2.25	.01	1612.00
1488.0	303.4	1184.6	.0	129.8	405.9	.0	23.9	9.3	100000.00
.14	2.34	2.92	.00	.055	.073	.000	.000	1608.00	9865.00
.003806	740.	555.	350.	2	0	0	.00	193.13	10058.13

1490 NH CARD USED
*SECNO 11.205
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9712.6 10011.3 TYPE= 1 TARGET= 298.680

11.205	8.16	1618.46	1618.46	1617.55	1619.01	.56	4.04	.13	1618.00
1488.0	562.2	925.8	.0	139.7	133.8	.0	28.8	12.1	100000.00
.17	4.03	6.92	.00	.055	.066	.000	.000	1610.30	9712.57
.021522	500.	550.	555.	6	12	0	.00	270.87	10011.25

1490 NH CARD USED

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

*SECNO 11.309
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.39

3470 ENCROACHMENT STATIONS= 9827.9 10045.4 TYPE= 1 TARGET= 217.520

11.309	8.28	1623.38	.00	1622.46	1623.54	.16	4.49	.04	1622.00
1488.0	576.5	911.5	.0	253.6	245.7	.0	34.3	15.7	100000.00
.22	2.27	3.71	.00	.055	.064	.000	.000	1615.10	9827.90
.003762	680.	550.	550.	6	0	0	.00	217.52	10045.42

1490 NH CARD USED
*SECNO 11.405
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .51

3470 ENCROACHMENT STATIONS= 9973.5 10026.0 TYPE= 1 TARGET= 52.540

11.405	5.88	1626.58	.00	1625.35	1627.27	.69	3.57	.16	100000.00
1488.0	.0	1488.0	.0	.0	223.7	.0	39.0	17.6	100000.00
.24	.00	6.65	.00	.000	.065	.000	.000	1620.70	9973.51
.014284	700.	505.	350.	3	0	0	.00	52.54	10026.05

1490 NH CARD USED
*SECNO 11.512
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.21

3470 ENCROACHMENT STATIONS= 9916.3 10050.9 TYPE= 1 TARGET= 134.640
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.
THIS WAS CONSIDERED UPSTREAM LIMIT OF EAST (LT. SIDE) BREAKOUT

OF FLOW WHICH RETURNS AT SEC, 10.89.BREAKOUT TO EAST SIDE WAS BASED ON
LEFT OVERBANK FLOW DISTRIBUTION FROM PRVIOUS RUN.
THE FLOW WAS CONSIDERED CAPABLE OF SHIFTING FLOW DISTRIBUTIONS TO
MAINTAIN RELATIVLY EQUAL WATER SURF.ELV. ACROSS CROSS-SECTION UPSTREAM
OF SEC. 11.512 TO SECTION 11.95.

11.512	6.21	1630.31	.00	1628.33	1630.45	.14	3.13	.05	100000.00
1488.0	.0	1488.0	.0	.0	496.0	.0	43.7	18.9	100000.00
.30	.00	3.00	.00	.000	.062	.000	.000	1624.10	9916.29
.002919	510.	565.	600.	3	0	0	.00	134.64	10050.93

1490 NH CARD USED
*SECNO 11.578
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9619.9 10051.8 TYPE= 1 TARGET= 431.880

11.578	5.57	1632.27	.00	1631.07	1632.51	.24	2.03	.03	1632.00
3120.0	1893.5	1031.6	194.9	453.6	298.8	59.7	49.1	21.2	1630.80
.32	4.17	3.45	3.26	.055	.065	.055	.000	1626.70	9619.91
.008668	380.	350.	250.	3	0	0	.00	431.88	10051.79

1490 NH CARD USED
*SECNO 11.642
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.40

3470 ENCROACHMENT STATIONS= 9607.0 10121.4 TYPE= 1 TARGET= 514.479

11.642	5.36	1634.26	.00	1633.52	1634.42	.16	1.91	.01	1633.30
3120.0	1270.9	1683.2	165.9	474.0	452.5	88.3	55.8	24.7	1633.20
.35	2.68	3.72	1.88	.055	.062	.055	.000	1628.90	9606.95
.004410	285.	340.	440.	2	0	0	.00	514.48	10121.43

1490 NH CARD USED
*SECNO 11.717
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9641.0 10135.7 TYPE= 1 TARGET= 494.710

11.717	3.90	1636.60	.00	1635.80	1636.86	.26	2.41	.03	1636.40
3120.0	1541.3	1578.7	.0	433.9	351.5	.0	63.4	28.8	100000.00
.38	3.55	4.49	.00	.055	.061	.000	.000	1632.70	9640.96
.010486	340.	395.	410.	2	0	0	.00	489.27	10135.67

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 11.776
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9626.2 10228.5 TYPE= 1 TARGET= 602.279
DIRT ROAD. AT-GRADE. NO CULVERTS. NOT GRADED OR MAINTAINED.

11.776	4.32	1638.92	.00	1638.31	1639.06	.14	2.19	.01	1637.40
3120.0	1835.5	1284.5	.0	597.4	453.7	.0	69.3	32.3	100000.00
.40	3.07	2.83	.00	.055	.062	.000	.000	1634.60	9626.23
.005944	260.	310.	360.	2	0	0	.00	598.60	10228.51

1490 NH CARD USED
*SECNO 11.885
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9705.7 10495.3 TYPE= 1 TARGET= 789.610

11.885	5.51	1642.81	.00	1642.22	1642.94	.13	3.88	.00	1641.80
3120.0	1045.2	1908.9	166.0	341.7	684.4	59.6	83.3	41.4	1641.90
.46	3.06	2.79	2.78	.055	.061	.055	.000	1637.30	9705.71
.007818	575.	575.	470.	4	0	0	.00	789.61	10495.32

1490 NH CARD USED
*SECNO 11.950
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9656.0 10591.5 TYPE= 1 TARGET= 935.480
SECTION NO. 11.954 WAS SHORTENED TO 11.95 TO ALLOW REPEATING FOR
ANALYSIS OF BREAKOUT ON EAST SIDE FROM SEC. 12.043 TO SEC. 12.179,
WHERE WEIR FLOW INTO EAST (LT. SIDE) OVERBANK WAS COMPUTED FROM MAIN
CHANNEL.(NOT MODELED FOR THIS FLOODWAY ANALYSIS)

11.950	4.63	1646.13	.00	1645.64	1646.27	.14	3.33	.00	1646.60
3120.0	1272.4	1838.5	9.2	386.4	659.5	5.1	92.5	48.3	1645.50
.49	3.29	2.79	1.81	.055	.063	.055	.000	1641.50	9655.97
.010273	390.	365.	320.	5	0	0	.00	833.65	10591.45

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 12.043
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9974.5 10568.0 TYPE= 1 TARGET= 593.500
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT
SECTIONS 12.043, 12.107 AND 12.179 TO DEFINE BDY. WHERE WEIR FLOW
INTO LT. OVERBANK OCCURED.
MAIN CHANNEL DISCHARGES ARE REDUCED AT SECTIONS 12.043 ,12.107 AND
TO REFLECT WEIR FLOW INTO LT. OVERBANK. THIS WEIR FLOW INTO
LT. OVERBANK WAS THEN MODELED BY TRIBUTARY ANALYSIS OPTION OF HEC2
DIRT ROAD, AT GRADE, NOT MAINTAINED, NO CULVERTS, NO SPECIAL MODELING.

12.043	4.46	1649.76	.00	1648.74	1649.91	.15	3.63	.00	1648.70
3120.0	.0	2501.1	618.9	.0	784.4	248.7	103.3	55.6	1648.70
.53	.00	3.19	2.49	.000	.061	.055	.000	1645.30	9974.50
.006332	465.	470.	350.	3	0	0	.00	575.38	10568.00

1490 NH CARD USED
*SECNO 12.107
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9977.1 10356.0 TYPE= 1 TARGET= 378.899
WEIR FLOW TO EAST (LT. SIDE) WAS ESTIMATED AT 206 CFS,BETWEEN SEC.12.107
AND SEC.12.179. TOTAL FLOW IN MAIN CHANNEL AT SEC. 12.107 IS 1017CFS.

12.107	4.23	1652.23	.00	1650.94	1652.48	.25	2.55	.03	100000.00
3120.0	.0	1950.8	1169.2	.0	495.8	282.3	110.4	59.3	1650.00
.56	.00	3.93	4.14	.000	.058	.055	.000	1648.00	9977.12
.009179	340.	340.	330.	3	0	0	.00	378.90	10356.02

1490 NH CARD USED
*SECNO 12.179
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9969.5 10212.9 TYPE= 1 TARGET= 243.440
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED IN RIGHT OVERBANK TO
ALONG GRADE BREAK WHICH DEFINED BREAKOUT OF FLOW TO WEST BETWEEN
SECTIONS 12.179 AND 12.560.
A WEIR FLOW ANALYSIS WAS INITIALLY CONDUCTED TO DETERMINE THE

AMOUNT OF FLOW WHICH COULD BREAKOUT TO THE WEST.THIS ANAYLSIS
INDICATED UP TO 2350CFS OF THE Q100=3120 CFS COULD BREAKOUT TO WEST.
ANOTHER BACKWATER ANALYSIS OF THE WEST BREAKOUT WASH CAPACITY WAS
THEN CONDUCTED TO DETERMINE IF THIS WEST BREAKOUT WASH COULD
CONVEY THIS MUCH FLOW. IT WAS DETERMINED THAT THE WEST WASH CAPACITY
DICTATED BREAKOUT BETWEEN SEC. 12.275 AND 12.560 AND THAT BETWEEN
SECTIONS 12.179 AND 12.275, WEIR FLOW DICTATED BREAKOUT TO THE WEST.
THE BREAKOUT TO THE WEST BETWEEN SECTIONS 12.179 AND 12.275 WAS ESTI-
MATED TO BE 615CFS (WEIR FLOW) FOR THE 100 YR. EVENT.
TOTAL FLOW IN WEST WASH BREAKOUT AT SEC. 12.179 IS 1535 CFS.
LIKEWISE IT WAS ESTIMATED THAT 362 CFS, BREAKS OUT TO THE EAST BASED
ON WEIR FLOW BETWEEN SEC. 12.179 AND 12.275.
AS SUCH THE MAIN CHANNEL FLOW AT SEC. 12.179 IS 1223 CFS.
BEGIN PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 490 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT. ALONG SECTN
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA.10487 TO MODEL RESISTANCE TO
FLOW PASSING THROUGH AND/OR UNDER FENCE.
PATTON ROAD ALIGNMENT. NO ROAD ACROSS DAGGS WASH.

12.179	4.65	1655.35	.00	1654.16	1655.65	.31	3.15	.02	1653.70
3120.0	.0	857.3	2262.7	.0	213.1	492.8	117.0	62.1	1653.30
.58	.00	4.02	4.59	.000	.069	.055	.000	1650.70	9969.50
.007138	345.	380.	400.	2	0	0	.00	243.44	10212.94

1490 NH CARD USED
#SECNO 12.275
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.60

3470 ENCROACHMENT STATIONS= 9910.8 10657.7 TYPE= 1 TARGET= 746.860
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC 12.275
WAS ESTIMATED AT 920 CFS.

12.275	4.05	1657.75	.00	1657.05	1657.83	.08	2.15	.02	1656.70
3120.0	86.7	399.3	2634.0	60.6	155.3	1173.9	129.2	67.9	1657.30
.64	1.43	2.57	2.24	.055	.062	.055	.000	1653.70	9910.84
.002787	500.	505.	510.	3	0	0	.00	746.86	10657.70

1490 NH CARD USED
#SECNO 12.370
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .51

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

3470 ENCROACHMENT STATIONS= 9864.2 10740.1 TYPE= 1 TARGET= 875.899
LAND CLEARED ON EACH SIDE OF WASH FOR RANCH\FARM OPERATION.
LOWER OVERBANK 'N' VALUES AT THIS SECTION FOR THIS LAND TREATMENT.
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAPACITY ANALSIS AT SEC.12.370
WAS ESTIMATED AT 370 CFS.

12.370	3.27	1659.97	.00	1660.04	1660.28	.31	2.38	.07	1659.80
3120.0	99.3	692.9	2327.8	49.2	100.2	660.4	141.5	76.4	1660.70
.68	2.02	6.92	3.52	.050	.041	.052	.000	1656.70	9868.65
.010869	540.	500.	480.	2	0	0	.00	771.21	10740.10

1490 NH CARD USED
*SECNO 12.464
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9650.3 10658.6 TYPE= 1 TARGET= 1008.280
TOTAL BREAKOUT FLOW IN WEST WASH BASED ON CAP. ANALYSIS AT SEC. 12.464
WAS ESTIMATED AT 250 CFS.

12.464	3.82	1663.12	.00	1662.90	1663.23	.11	2.93	.02	1662.50
3120.0	271.8	420.6	2427.7	163.2	127.5	901.0	151.2	64.4	1663.30
.72	1.67	3.30	2.69	.055	.062	.055	.000	1659.30	9650.35
.004807	500.	495.	400.	2	0	0	.00	882.16	10658.63

1490 NH CARD USED
*SECNO 12.560
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9632.9 10631.1 TYPE= 1 TARGET= 998.199
PROPERTY LINE CHAIN LINK FENCE BDY. FOR TOYOTA PROVING GROUNDS,
APPROX. 80 FT. RT. OF HYD. BASELINE. FENCE CONTINUES TO RT.,PARALLELING
CROSS-SECTION AND APPRX. 75 FT. UPSTREAM OF SECTION.
INCREASE 'N' VALUE TO 0.09 TO RT. OF STA. 10080 TO MODEL RESISTANCE TO

```
      FLOW PASSING THROUGH AND/OR UNDER FENCE.
   12.560     3.67  1665.87      .00  1665.86  1666.06      .19     2.81      .02  1665.80
   3120.0    670.9    948.7   1500.4    291.3    170.9    773.0    164.4     94.5  1665.00
      .76     2.30     5.55     1.94     .055     .048     .086     .000  1662.20  9632.90
  .007420     500.     505.     460.        4        0        0      .00   964.90 10631.10


1490 NH CARD USED
*SECNO 12.657
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
 2800 NAT Q1=     417.15  WSELK=    1669.19  ENC Q1=     417.15  WSEL=    1670.19  RATIO=    .0000
 NAT Q1=    1257.  RATIOS LOB, CH, ROB=    .3852   .1287   .4860  WSEL=    1670.19

3470 ENCROACHMENT STATIONS=     9911.4   10164.4  TYPE=       4  TARGET=         .668
       RETURN TO TOTAL 100 YR. FLOW IN MAIN CHANNEL AT THIS SECTION.
       100-YR DISCHARGE INCREASES FROM 3120CFS TO 3297CFS.THIS REFLECTS
       APPARENT ATTENUATION OF FLOW PEAK DUE TO CHANNEL ROUTING WHICH
       WAS REFLECTED IN THE JACKRABBIT WASH HYDROLOGY.
       100-YR 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
       HEC-1 MODEL I.D. NO.=C8B.  (D.A.=13.31 SQ. MI.).
       AREA TO LEFT OF STA.9890 BLOCKED OUT AS INEFFECTIVE FLOW, BASED ON
       4:1 FLARE ANGLE DOWNSTREAM FROM BOX CULVERT OUTLET. THE 2-36"X 22"
       CMPA'S AT LEFT WERE CONSIDERED TO CONTRIBUTE INSIGNIFICANT FLOW TO
       THIS OVERBANK. FLOW OVER THE RD. DOES NOT OCCUR IN LT. OVERBANK.
   12.657     4.80  1669.90      .00  1669.19  1670.34      .44     4.20      .08  1668.00
   3297.0    491.7    1353.9   1451.4    116.8    206.4    337.8    175.8     101.7  1668.00
      .79     4.21     6.56     4.30     .055     .055     .055     .000  1665.10  9911.36
  .008709     400.     510.     580.        5        0        0      .00   253.01 10164.37


1490 NH CARD USED
*SECNO 12.697
 2800 NAT Q1=     588.37  WSELK=    1670.05  ENC Q1=     588.37  WSEL=    1671.05  RATIO=    .0000
 NAT Q1=    1316.  RATIOS LOB, CH, ROB=    .2071   .1920   .6009  WSEL=    1671.05

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  1.57


3470 ENCROACHMENT STATIONS=     9959.0   10244.5  TYPE=       4  TARGET=         .553
   12.697     4.29  1670.99      .00  1670.05  1671.47      .48     1.12      .01  1666.70
   3297.0       .0    1372.0   1925.0       .0    175.8    618.1    179.4     103.1  1666.70
      .80      .00     7.81     3.11     .000     .028     .056     .000  1666.70  9959.00
  .003547     230.     210.     210.        2        0        0      .00   285.51 10244.51


CCHV=     .300 CEHV=     .500
*SECNO 12.701
 2800 NAT Q1=    1105.82  WSELK=    1670.12  ENC Q1=    1105.82  WSEL=    1671.12  RATIO=    .0000
 NAT Q1=    2251.  RATIOS LOB, CH, ROB=    .0021   .0610   .9369  WSEL=    1671.12
```

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

3280 CROSS SECTION 12.70 EXTENDED .74 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.17

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.15

3470 ENCROACHMENT STATIONS= 9960.0 10319.9 TYPE= 4 TARGET= .509

BEGIN NORMAL BRIDGE MODELING OF PEAKVIEW ROAD (A.K.A.TOYOTA PROVING GROUNDS ACCESS RD.)
THE MAIN DAGGS WASH HAS A 4 BARREL 10FT.X 3 FT. X 48FT. CONCRETE BOX CULVERT CROSSING, WITH 45 DEGREE ANGLE WINGWALLS.
THE BOX OUTLET CONC. I.E.=1666.15.
THE BOX INLET CONC. I.E.=1666.35.
THE BOX CULVERT WAS MODELED AS A 40 FT. WIDE X 3.0 FT HIGH OPENING (I.E. WITHOUT PIERS TO SIMPLIFY MODEL).
THE 'N' VALUES FOR LT., RT.,OVERBANKS AND CHANNEL WERE REDUCED TO MODEL THE FLOW SURFACES FOR THE PAVEMENT (N=.016),CONCRETE BOX CULVERT(N=.013), AND THE MINOR CAPACITY CMPA CULVERTS(N=.024).
SINCE FLOW OVER THE PAVEMENT DOES NOT OCCUR AT THE LT.OVERBANK OR CHANNEL, THESE 'N' VALUES REPRESENT THE RESPECTIVE CULVERT TYPE.
THE RIGHT SIDE ROAD OVERBANK DIPS DOWN TO A LOW ELEV. OF 1668.0 WHICH IS BELOW THE BOX CULVERT INLET LOW CHORD EL=1669.35.,HENCE THE NORMAL BRIDGE MODELING OF THIS CROSSING, DUE TO BACKWATER SUBMERGENCE OF RD. AND RELATIVE SMALL CAPACITY OF CULVERTS TO 100 YR. DISCHARGE.
THE LEFT OVERBANK (STA.9687.3) CONTAINS TWO 36"X22"X50 FT. CORRAGATED METAL PIPE ARCH (CMPA'S) CULVERTS. THESE TWO CULVERTS WERE ALSO MODELED AS ONE 4.8 FT. (WIDE) X 1.83 FT. OPENING TO SIMPLIFY MODEL.
THE CMPA'S OUTLET I.E.=1668.8 AND THE INLET I.E.=1669.1.

12.701	5.09	1671.24	.00	1670.12	1671.55	.31	.03	.05	1669.15
3297.0	.0	401.8	2895.2	.0	127.4	625.7	179.7	103.2	1669.15
.80	.00	3.15	4.63	.000	.013	.016	.000	1666.15	9960.00
.000752	20.	20.	20.	3	0	0	-136.30	359.93	10319.93

*SECNO 12.709
2800 NAT Q1= 1154.14 WSELK= 1670.17 ENC Q1= 1154.14 WSEL= 1671.17 RATIO= .0000
NAT Q1= 2335. RATIOS LOB, CH, ROB= .0025 .0605 .9370 WSEL= 1671.17
3280 CROSS SECTION 12.71 EXTENDED .79 FEET

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

3370 NORMAL BRIDGE, NRD= 18 MIN ELTRD= 1668.00 MAX ELLC= 1669.35

3470 ENCROACHMENT STATIONS= 9960.0 10321.0 TYPE= 4 TARGET= .506
END PEAKVIEW ROAD.

12.709	4.94	1671.29	.00	1670.17	1671.58	.29	.03	.01	1669.35
3297.0	.0	396.5	2900.5	.0	129.3	644.9	180.4	103.5	1669.35
.80	.00	3.07	4.50	.000	.013	.016	.000	1666.35	9960.00
.000696	40.	40.	40.	2	0	0	-121.80	360.98	10320.98

1490 NH CARD USED
*SECNO 12.712
2800 NAT Q1= 462.36 WSELK= 1671.02 ENC Q1= 462.36 WSEL= 1672.02 RATIO= .0000
NAT Q1= 1311. RATIOS LOB, CH, ROB= .2983 .2396 .4621 WSEL= 1672.02

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9958.3 10166.3 TYPE= 4 TARGET= .647

12.712	5.10	1672.00	1672.00	1671.02	1673.26	1.26	.02	.48	1667.30
3297.0	.0	2197.4	1099.6	.0	204.0	339.1	180.7	103.6	1666.90
.81	.00	10.77	3.24	.000	.028	.057	.000	1666.90	9958.30
.005721	16.	16.	16.	20	8	0	.00	207.99	10166.29

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 12.740
2800 NAT Q1= 478.63 WSELK= 1672.07 ENC Q1= 478.63 WSEL= 1673.07 RATIO= .0000
NAT Q1= 1178. RATIOS LOB, CH, ROB= .2714 .3785 .3501 WSEL= 1673.07

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9909.9 10097.9 TYPE= 4 TARGET= .594
UPSTREAM END OF STUDY.
AREA TO LEFT OF STA. 9810 WAS BLOCKED OUT AS INEFFECTIVE BASED ON
1:1 FLARE ANGLE UPSTREAM FROM BOX CULVERT INLET. THE 2-36"X22"CMPA'S

ON LT. SIDE WERE CONSIDERED OF INSIGNIFICANT CAPACITY AND NO RD.
OVERTOPPING OF LEFT OVERBANK OCCURS FOR Q100 WERE BASIS FOR BLOCKOUT.

12.740	6.42	1673.52	.00	1672.07	1673.98	.46	.65	.08	1671.30
3297.0	.0	3031.6	265.4	.0	538.1	97.0	182.7	104.3	1672.70
.81	.00	5.63	2.74	.000	.035	.055	.000	1667.10	9909.90
.003378	150.	150.	150.	4	0	0	.00	188.03	10097.93

1490 NH CARD USED
*SECNO -10.890
START TRIB COMP
-10.890 10.890 1609.381
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9983.4 10347.5 TYPE= 1 TARGET= 364.119

-10.890	6.38	1609.38	.00	1608.59	1609.64	.26	.00	.00	1607.10
3120.0	.0	1339.6	1780.4	.0	258.4	607.7	192.3	107.9	1607.60
.85	.00	5.18	2.93	.000	.058	.055	.000	1603.00	9983.40
.004861	550.	550.	570.	0	0	0	.00	364.12	10347.52

1490 NH CARD USED
*SECNO 30.996

3470 ENCROACHMENT STATIONS= 9766.0 9867.1 TYPE= 1 TARGET= 101.141
REPEAT COMMON SECTION 10.89 FOR TRIBUTARY ANALYSIS OF EAST SPLIT FLOW.
THIS SPLIT FLOW WAS CONSIDERED TO START UPSTREAM AT MAIN CHANNEL SECTION
NO. 11.512, WHERE THE LEFT OVERBANK DISCHARGE OF 829CFS.
SEPARATES TO A DEFINED WASH WHICH REJOINS THE MAIN DAGGS WASH CHANNEL
AT SECTION 10.89.
SECTION 30.996 IS MAIN CHANNEL SECTION NO.10.996 REPEATED WITH 20
ADDED TO THE I.D. NUMBER TO DIFFERENTIATE THE EAST SPLIT FLOW ANALYSIS.
UPSTREAM SECTION I.D. NOS. ARE REPEATED WITH 20 ADDED TO I.D. TO
UPPER LIMIT OF THIS SPLIT FLOW ANALYSIS AT SECTION 31.512.(A.K.A.,SECT-
ION I.D.11.512 OF MAIN CHANNEL).
ENCROACHMENTS ADDED TO RESTRICT FLOW TO THE EAST SPLIT FLOW WASH.

30.996	5.91	1611.31	.00	1610.28	1611.71	.40	2.03	.04	100000.00
1632.0	1632.0	.0	.0	320.0	.0	.0	199.9	110.9	100000.00
.88	5.10	.00	.00	.035	.000	.000	.000	1605.40	9765.97
.002310	560.	555.	555.	2	0	0	.00	101.14	9867.11

1490 NH CARD USED
*SECNO 31.101

3301 HV CHANGED MORE THAN HVINS

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

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

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9582.7 9611.9 TYPE= 1 TARGET= 29.200

31.101	6.03	1614.03	1614.03	1612.38	1616.36	2.33	3.31	.58	100000.00
1632.0	1632.0	.0	.0	133.4	.0	.0	203.8	112.0	100000.00
.90	12.24	.00	.00	.037	.000	.000	.000	1608.00	9582.67
.012034	740.	555.	350.	20	8	0	.00	29.20	9611.87

1490 NH CARD USED
*SECNO 31.205

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9319.6 9484.1 TYPE= 1 TARGET= 164.500

31.205	8.10	1618.40	.00	1616.34	1618.60	.20	2.03	.21	100000.00
1632.0	1632.0	.0	.0	458.4	.0	.0	207.2	113.1	100000.00
.94	3.56	.00	.00	.041	.000	.000	.000	1610.30	9319.61
.002016	500.	550.	555.	4	0	0	.00	164.50	9484.11

1490 NH CARD USED
*SECNO 31.309
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9447.2 9713.7 TYPE= 1 TARGET= 266.460

31.309	7.05	1622.15	1622.15	1621.71	1622.66	.51	2.71	.10	100000.00
1632.0	1632.0	.0	.0	283.5	.0	.0	212.9	116.4	100000.00
.97	5.76	.00	.00	.044	.000	.000	.000	1615.10	9447.22
.011349	680.	550.	550.	20	9	0	.00	266.46	9713.68

1490 NH CARD USED
*SECNO 31.405

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

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

3470 ENCROACHMENT STATIONS= 9595.6 9716.8 TYPE= 1 TARGET= 121.181

31.405	6.59	1627.29	.00	1625.86	1627.67	.37	4.99	.01	100000.00
1632.0	1632.0	.0	.0	332.3	.0	.0	217.9	119.6	100000.00
1.01	4.91	.00	.00	.045	.000	.000	.000	1620.70	9595.60
.004894	700.	505.	350.	4	0	0	.00	121.18	9716.78

1490 NH CARD USED
*SECNO 31.512

3470 ENCROACHMENT STATIONS= 9576.8 9857.1 TYPE= 1 TARGET= 280.270
UPSTREAM END OF EAST SPLIT FLOW ANALYSIS, WHICH MATCHES MAIN
DAGGS WASH CHANNEL SECTION 11.512.

31.512	5.24	1629.34	.00	1628.32	1629.46	.12	1.76	.03	100000.00
1632.0	1632.0	.0	.0	592.1	.0	.0	223.3	121.9	100000.00
1.06	2.76	.00	.00	.052	.000	.000	.000	1624.10	9576.79
.002569	510.	565.	600.	4	0	0	.00	280.27	9857.06

THIS RUN EXECUTED 25JUN93 13:20:24

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

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

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	10.787	2943.00	1604.02	1604.02	7.30	.00	9977.30	10040.00	.00	.00	9828.72	10340.99	.67
	10.787	2943.00	1605.02	.00	6.99	.00	9977.30	10040.00	9962.07	10146.53	9962.07	10146.53	.57
*	10.890	3120.00	1608.59	.00	4.47	550.00	9983.40	10030.50	.00	.00	9780.11	10715.66	.36
*	10.890	3120.00	1609.38	.00	5.19	550.00	9983.40	10030.50	9983.40	10347.52	9983.40	10347.52	.39
*	10.996	756.00	1610.89	.00	2.82	555.00	9945.00	10036.30	9903.30	10127.30	9903.30	10064.94	.30
*	10.996	1488.00	1611.99	.00	3.56	555.00	9945.00	10036.30	9903.30	10058.83	9903.30	10058.83	.32
	11.101	756.00	1613.21	.00	2.46	555.00	9944.80	10064.60	9825.00	10064.60	9865.13	10058.10	.27
	11.101	1488.00	1614.30	.00	2.92	555.00	9944.80	10064.60	9865.00	10058.13	9865.00	10058.13	.27
*	11.205	756.00	1617.55	1617.13	6.22	550.00	9968.50	10095.60	9639.40	10143.80	9712.43	10011.30	.74
*	11.205	1488.00	1618.46	1618.46	6.92	550.00	9968.50	10095.60	9712.57	10011.25	9712.57	10011.25	.69
*	11.309	756.00	1622.46	.00	3.19	550.00	9989.50	10045.90	9827.90	10045.90	9827.90	10045.41	.30
*	11.309	1488.00	1623.38	.00	3.71	550.00	9989.50	10045.90	9827.90	10045.42	9827.90	10045.42	.31
*	11.405	756.00	1625.35	.00	4.75	505.00	9971.80	10032.10	9760.60	10082.30	9973.48	10026.07	.48
*	11.405	1488.00	1626.58	.00	6.65	505.00	9971.80	10032.10	9973.51	10026.05	9973.51	10026.05	.57
*	11.512	756.00	1628.33	.00	3.29	565.00	9895.50	10055.50	9895.50	10174.00	9916.29	10050.93	.44
*	11.512	1488.00	1630.31	.00	3.00	565.00	9895.50	10055.50	9916.29	10050.93	9916.29	10050.93	.28
	11.578	1585.00	1631.07	.00	4.60	350.00	9869.10	10012.30	9544.80	10054.30	9619.91	10051.78	.76
	11.578	3120.00	1632.27	.00	3.45	350.00	9869.10	10012.30	9619.91	10051.79	9619.91	10051.79	.42
*	11.642	1585.00	1633.52	.00	2.94	340.00	9911.30	10038.50	9419.90	10581.10	9606.94	10121.44	.31
*	11.642	3120.00	1634.26	.00	3.72	340.00	9911.30	10038.50	9606.95	10121.43	9606.95	10121.43	.35
*	11.717	1585.00	1635.80	.00	4.42	395.00	9987.00	10137.30	9435.50	10200.00	9640.97	10135.66	.61
*	11.717	3120.00	1636.60	.00	4.49	395.00	9987.00	10137.30	9640.96	10135.67	9640.96	10135.67	.51

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	11.776	1585.00	1638.31	.00	2.23	310.00	9985.90	10230.60	9507.60	10230.60	9626.23	10228.51	.35
	11.776	3120.00	1638.92	.00	2.83	310.00	9985.90	10230.60	9626.23	10228.51	9626.23	10228.51	.36
	11.885	1585.00	1642.22	.00	2.40	575.00	9982.50	10443.50	9619.50	10769.80	9705.71	10495.31	.43
	11.885	3120.00	1642.81	.00	2.79	575.00	9982.50	10443.50	9705.71	10495.32	9705.71	10495.32	.40
	11.950	1585.00	1645.64	.00	2.38	365.00	9973.90	10582.50	.00	.00	9655.97	10591.47	.50
	11.950	3120.00	1646.13	.00	2.79	365.00	9973.90	10582.50	9655.97	10591.45	9655.97	10591.45	.47
	12.043	836.00	1648.74	.00	1.85	470.00	9974.50	10365.30	9974.50	10786.30	9974.50	10567.98	.31
	12.043	3120.00	1649.76	.00	3.19	470.00	9974.50	10365.30	9974.50	10568.00	9974.50	10568.00	.40
*	12.107	1017.00	1650.94	.00	3.44	340.00	9974.90	10216.70	9974.90	10451.50	9977.12	10356.03	.64
	12.107	3120.00	1652.23	.00	3.93	340.00	9974.90	10216.70	9977.12	10356.02	9977.12	10356.02	.48
*	12.179	1223.00	1654.16	.00	2.74	380.00	9969.50	10032.20	9969.50	10232.40	9969.50	10212.94	.33
	12.179	3120.00	1655.35	.00	4.02	380.00	9969.50	10032.20	9969.50	10212.94	9969.50	10212.94	.38
*	12.275	2200.00	1657.05	.00	3.11	505.00	9971.30	10022.90	9761.10	10657.70	9910.83	10657.70	.36
*	12.275	3120.00	1657.75	.00	2.57	505.00	9971.30	10022.90	9910.84	10657.70	9910.84	10657.70	.26
	12.370	2750.00	1660.04	.00	5.66	500.00	9970.20	10011.30	9580.50	10740.10	9864.20	10740.10	.63
*	12.370	3120.00	1659.97	.00	6.92	500.00	9970.20	10011.30	9864.20	10740.10	9868.65	10740.10	.78
	12.464	2820.00	1662.90	.00	3.61	495.00	9986.10	10030.70	9364.10	10683.90	9650.37	10658.63	.39
*	12.464	3120.00	1663.12	.00	3.30	495.00	9986.10	10030.70	9650.35	10658.63	9650.35	10658.63	.34
	12.560	2870.00	1665.86	.00	5.15	505.00	9964.30	10020.20	9423.10	10631.10	9632.89	10631.10	.52
	12.560	3120.00	1665.87	.00	5.55	505.00	9964.30	10020.20	9632.90	10631.10	9632.90	10631.10	.56
	12.657	3297.00	1669.19	.00	4.92	510.00	9963.50	10011.80	9890.00	10548.10	9890.00	10489.43	.46
	12.657	3297.00	1669.90	.00	6.56	510.00	9963.50	10011.80	9911.36	10164.37	9911.36	10164.37	.56
*	12.697	3297.00	1670.05	.00	6.67	210.00	9959.00	10000.00	.00	.00	9959.00	10561.50	.64
*	12.697	3297.00	1670.99	.00	7.81	210.00	9959.00	10000.00	9959.00	10244.51	9959.00	10244.51	.66
*	12.701	3297.00	1670.12	.00	4.23	20.00	9960.00	10000.00	.00	.00	9684.91	10577.62	.43
*	12.701	3297.00	1671.24	.00	3.15	20.00	9960.00	10000.00	9960.00	10319.93	9960.00	10319.93	.31
	12.709	3297.00	1670.17	.00	4.06	40.00	9960.00	10000.00	.00	.00	9684.91	10582.85	.41
	12.709	3297.00	1671.29	.00	3.07	40.00	9960.00	10000.00	9960.00	10320.99	9960.00	10320.98	.30
*	12.712	3297.00	1671.02	1671.02	9.40	16.00	9958.30	10000.00	.00	.00	9958.30	10572.99	.84
*	12.712	3297.00	1672.00	1672.00	10.77	16.00	9958.30	10000.00	9958.30	10166.29	9958.30	10166.29	.86
	12.740	3297.00	1672.07	.00	6.27	150.00	9909.90	10057.10	9810.00	10678.80	9810.00	10578.67	.74
	12.740	3297.00	1673.52	.00	5.63	150.00	9909.90	10057.10	9909.90	10097.93	9909.90	10097.93	.52
	-10.890	3120.00	1608.59	.00	4.49	550.00	9983.40	10030.50	.00	.00	9780.17	10715.26	.37
	-10.890	3120.00	1609.38	.00	5.18	550.00	9983.40	10030.50	9983.40	10347.52	9983.40	10347.52	.39

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STEMCL	STEMCR	SSTA	ENDST	FRCH
*	30.996	829.00	1610.28	.00	.00	555.00	9945.00	10036.30	9652.60	9881.80	9765.93	9868.42	.00
	30.996	1632.00	1611.31	.00	.00	555.00	9945.00	10036.30	9765.97	9867.11	9765.97	9867.11	.00
*	31.101	829.00	1612.38	1612.38	.00	555.00	9944.80	10064.60	9549.30	9768.80	9582.68	9611.85	.00
*	31.101	1632.00	1614.03	1614.03	.00	555.00	9944.80	10064.60	9582.67	9611.87	9582.67	9611.87	.00
*	31.205	829.00	1616.34	.00	.00	550.00	9968.50	10095.60	9160.00	9637.90	9319.42	9484.15	.00
*	31.205	1632.00	1618.40	.00	.00	550.00	9968.50	10095.60	9319.61	9484.11	9319.61	9484.11	.00
*	31.309	829.00	1621.71	1621.71	.00	550.00	9989.50	10045.90	9437.10	9756.60	9447.22	9713.68	.00
*	31.309	1632.00	1622.15	1622.15	.00	550.00	9989.50	10045.90	9447.22	9713.68	9447.22	9713.68	.00
	31.405	829.00	1625.86	.00	.00	505.00	9971.80	10032.10	9525.20	9719.30	9595.60	9716.78	.00
*	31.405	1632.00	1627.29	.00	.00	505.00	9971.80	10032.10	9595.60	9716.78	9595.60	9716.78	.00
*	31.512	829.00	1628.32	.00	.00	565.00	9895.50	10055.50	9562.70	9895.50	9576.79	9857.06	.00
	31.512	1632.00	1629.34	.00	.00	565.00	9895.50	10055.50	9576.79	9857.06	9576.79	9857.06	.00

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	10.787	526.85	1702.40	713.75	3.73	7.30	3.42	1609.50	1604.02	.00	512.27	1599.00	1.42
	10.787	80.16	2069.63	793.22	3.55	6.99	4.43	1609.50	1605.02	.00	184.46	1599.00	1.14
*	10.890	396.00	988.30	1735.70	1.85	4.47	2.15	1613.10	1608.59	4.57	908.15	1603.00	1.48
*	10.890	.00	1341.19	1778.81	.00	5.19	2.93	1613.10	1609.38	4.36	364.12	1603.00	1.27
*	10.996	33.31	722.39	.30	1.24	2.82	.22	1614.20	1610.89	2.30	161.64	1605.40	1.09
*	10.996	173.23	1268.13	46.64	2.39	3.56	1.80	1614.20	1611.99	2.60	155.53	1605.40	1.08
	11.101	59.88	696.12	.00	1.38	2.46	.00	1620.10	1613.21	2.32	192.96	1608.00	1.07
	11.101	303.42	1184.58	.00	2.34	2.92	.00	1620.10	1614.30	2.31	193.13	1608.00	1.02
*	11.205	164.50	591.50	.00	5.03	6.22	.00	1620.10	1617.55	4.34	77.59	1610.30	1.02
*	11.205	562.24	925.76	.00	4.03	6.92	.00	1620.10	1618.46	4.16	270.87	1610.30	1.21
*	11.309	138.42	617.58	.00	1.35	3.19	.00	1630.60	1622.46	4.92	217.51	1615.10	1.33
*	11.309	576.47	911.53	.00	2.27	3.71	.00	1630.60	1623.38	4.92	217.52	1615.10	1.17
*	11.405	.00	756.00	.00	.00	4.75	.00	1632.00	1625.35	2.89	52.59	1620.70	1.00
*	11.405	.00	1488.00	.00	.00	6.65	.00	1632.00	1626.58	3.20	52.54	1620.70	1.00
*	11.512	.00	756.00	.00	.00	3.29	.00	1635.10	1628.33	2.98	134.64	1624.10	1.00
*	11.512	.00	1488.00	.00	.00	3.00	.00	1635.10	1630.31	3.73	134.64	1624.10	1.00
	11.578	815.99	749.42	19.58	4.45	4.60	1.63	1636.20	1631.07	2.73	297.46	1626.70	1.03
	11.578	1893.48	1031.64	194.88	4.17	3.45	3.26	1636.20	1632.27	1.96	431.88	1626.70	1.03
*	11.642	512.11	1051.06	21.83	2.07	2.94	.83	1637.30	1633.52	2.45	514.49	1628.90	1.13
*	11.642	1270.92	1683.19	165.89	2.68	3.72	1.88	1637.30	1634.26	1.99	514.48	1628.90	1.12
*	11.717	512.86	1072.14	.00	2.84	4.42	.00	1641.70	1635.80	2.28	406.10	1632.70	1.13
*	11.717	1541.25	1578.74	.00	3.55	4.49	.00	1641.70	1636.60	2.34	489.27	1632.70	1.04
*	11.776	893.17	691.83	.00	2.37	2.23	.00	1645.00	1638.31	2.51	584.76	1634.60	1.00
	11.776	1835.51	1284.49	.00	3.07	2.83	.00	1645.00	1638.92	2.32	598.60	1634.60	1.00
	11.885	475.90	1046.29	62.81	2.68	2.40	2.17	1646.00	1642.22	3.91	710.79	1637.30	1.01
	11.885	1045.18	1908.85	165.97	3.06	2.79	2.78	1646.00	1642.81	3.89	789.61	1637.30	1.01
	11.950	573.41	1011.31	.29	2.42	2.38	.46	1650.10	1645.64	3.42	743.42	1641.50	1.00
	11.950	1272.35	1838.50	9.15	3.29	2.79	1.81	1650.10	1646.13	3.32	833.65	1641.50	1.02
	12.043	.00	802.44	33.56	.00	1.85	.79	1651.60	1648.74	3.10	467.93	1645.30	1.07
	12.043	.00	2501.06	618.94	.00	3.19	2.49	1651.60	1649.76	3.63	575.38	1645.30	1.03
*	12.107	.00	746.05	270.95	.00	3.44	2.66	1654.20	1650.94	2.20	314.82	1648.00	1.04
	12.107	.00	1950.76	1169.23	.00	3.93	4.14	1654.20	1652.23	2.47	378.90	1648.00	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	12.179	.00	379.61	843.39	.00	2.74	3.04	1656.60	1654.16	3.22	243.44	1650.70	1.01
	12.179	.00	857.27	2262.73	.00	4.02	4.59	1656.60	1655.35	3.11	243.44	1650.70	1.01
*	12.275	18.11	371.32	1810.56	.98	3.11	2.47	1660.30	1657.05	2.89	722.56	1653.70	1.04
*	12.275	86.75	399.27	2633.99	1.43	2.57	2.24	1660.30	1657.75	2.40	746.86	1653.70	1.02
	12.370	100.05	583.45	2066.50	1.76	5.66	2.92	1664.70	1660.04	3.00	798.00	1656.70	1.33
*	12.370	99.31	692.87	2327.81	2.02	6.92	3.52	1664.70	1659.97	2.22	771.21	1656.70	1.35
	12.464	188.92	427.24	2203.84	1.70	3.61	2.83	1668.00	1662.90	2.86	846.88	1659.30	1.08
*	12.464	271.79	420.56	2427.65	1.67	3.30	2.69	1668.00	1663.12	3.15	882.16	1659.30	1.07
	12.560	613.05	877.65	1379.30	2.13	5.15	1.80	1669.00	1665.86	2.96	964.28	1662.20	1.94
	12.560	670.95	948.66	1500.39	2.30	5.55	1.94	1669.00	1665.87	2.75	964.90	1662.20	1.93
	12.657	327.29	844.35	2125.36	2.84	4.92	3.23	1671.30	1669.19	3.33	599.43	1665.10	1.13
	12.657	491.73	1353.87	1451.40	4.21	6.56	4.30	1671.30	1669.90	4.03	253.01	1665.10	1.14
*	12.697	.00	919.04	2377.96	.00	6.67	2.77	1672.60	1670.05	.86	530.92	1666.70	1.64
*	12.697	.00	1371.97	1925.03	.00	7.81	3.11	1672.60	1670.99	1.09	285.51	1666.70	1.80
*	12.701	10.43	503.82	2782.75	1.66	4.23	4.02	1670.50	1670.12	.06	611.65	1666.15	1.01
*	12.701	.00	401.78	2895.22	.00	3.15	4.63	1670.50	1671.24	.25	359.93	1666.15	1.04
	12.709	7.41	482.71	2806.89	1.45	4.06	3.91	1670.50	1670.17	.05	617.00	1666.35	1.01
	12.709	.00	396.50	2900.50	.00	3.07	4.50	1670.50	1671.29	.05	360.98	1666.35	1.04
*	12.712	.00	1532.48	1764.52	.00	9.40	2.57	1672.70	1671.02	.85	603.08	1666.90	2.95
*	12.712	.00	2197.38	1099.62	.00	10.77	3.24	1672.70	1672.00	.71	207.99	1666.90	2.19
	12.740	230.59	2046.31	1020.10	2.05	6.27	2.22	1673.60	1672.07	1.05	642.04	1667.10	1.95
	12.740	.00	3031.64	265.36	.00	5.63	2.74	1673.60	1673.52	1.52	188.03	1667.10	1.11
	-10.890	394.40	993.05	1732.55	1.85	4.49	2.16	1613.10	1608.59	-63.48	907.37	1603.00	1.49
	-10.890	.00	1339.56	1780.44	.00	5.18	2.93	1613.10	1609.38	-64.14	364.12	1603.00	1.27
*	30.996	829.00	.00	.00	3.82	.00	.00	1614.20	1610.28	1.69	102.49	1605.40	1.00
	30.996	1632.00	.00	.00	5.10	.00	.00	1614.20	1611.31	1.93	101.14	1605.40	1.00
*	31.101	829.00	.00	.00	9.73	.00	.00	1620.10	1612.38	2.10	29.17	1608.00	1.00
*	31.101	1632.00	.00	.00	12.24	.00	.00	1620.10	1614.03	2.72	29.20	1608.00	1.00
*	31.205	829.00	.00	.00	6.09	.00	.00	1620.10	1616.34	3.96	104.68	1610.30	1.00
*	31.205	1632.00	.00	.00	3.56	.00	.00	1620.10	1618.40	4.37	164.50	1610.30	1.00
*	31.309	829.00	.00	.00	4.93	.00	.00	1630.60	1621.71	5.37	266.46	1615.10	1.00
*	31.309	1632.00	.00	.00	5.76	.00	.00	1630.60	1622.15	3.74	266.46	1615.10	1.00
	31.405	829.00	.00	.00	5.21	.00	.00	1632.00	1625.86	4.15	110.47	1620.70	1.00
*	31.405	1632.00	.00	.00	4.91	.00	.00	1632.00	1627.29	5.15	121.18	1620.70	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	31.512	829.00	.00	.00	2.57	.00	.00	1635.10	1628.32	2.46	224.31	1624.10	1.00
	31.512	1632.00	.00	.00	2.76	.00	.00	1635.10	1629.34	2.04	280.27	1624.10	1.00

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	10.787	.00	.00	1604.58	.56	.00	.00	173.70	.00	5.02	55.00	63.60	55.00
	10.787	.00	.00	1605.64	.62	.00	.00	115.82	.00	6.02	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.73	.14	4.11	.04	41.74	11.77	5.59	55.00	58.50	55.00
*	10.890	550.00	7.27	1609.64	.26	3.96	.04	48.83	8.78	6.38	.00	58.50	55.00
*	10.996	555.00	4.32	1611.01	.12	2.28	.00	38.09	21.53	5.49	55.00	64.44	55.00
*	10.996	555.00	4.32	1612.17	.18	2.52	.01	39.27	17.19	6.59	55.00	64.44	55.00
	11.101	555.00	4.68	1613.30	.09	2.29	.00	42.89	25.57	5.21	55.00	72.72	.00
	11.101	555.00	4.68	1614.42	.12	2.25	.01	38.06	23.87	6.30	55.00	72.90	.00
*	11.205	550.00	4.18	1618.10	.56	4.66	.14	251.36	28.39	7.25	55.00	64.42	.00
*	11.205	550.00	4.18	1619.01	.56	4.04	.13	215.22	28.82	8.16	55.00	65.51	.00
*	11.309	550.00	8.73	1622.60	.13	4.45	.04	36.99	31.27	7.36	55.00	63.73	.00
*	11.309	550.00	8.73	1623.54	.16	4.49	.04	37.62	34.28	8.28	55.00	64.19	.00
*	11.405	505.00	11.09	1625.70	.35	3.04	.06	104.67	34.13	4.65	.00	63.66	.00
*	11.405	505.00	11.09	1627.27	.69	3.57	.16	142.84	39.04	5.88	.00	64.84	.00
*	11.512	565.00	6.02	1628.50	.17	2.78	.02	28.48	36.65	4.23	.00	34.14	.00
*	11.512	565.00	6.02	1630.45	.14	3.13	.05	29.19	43.71	6.21	.00	62.23	.00
	11.578	350.00	7.43	1631.38	.31	2.84	.04	171.42	39.06	4.37	55.00	69.32	55.00
	11.578	350.00	7.43	1632.51	.24	2.03	.03	86.68	49.05	5.57	55.00	64.88	55.00
*	11.642	340.00	6.47	1633.63	.11	2.22	.02	37.68	42.70	4.61	55.00	61.58	55.00
*	11.642	340.00	6.47	1634.42	.16	1.91	.01	44.10	55.77	5.36	55.00	61.58	55.00
*	11.717	395.00	9.62	1636.05	.25	2.38	.04	126.38	47.21	3.10	55.00	57.10	.00
*	11.717	395.00	9.62	1636.86	.26	2.41	.03	104.86	63.37	3.90	55.00	60.94	.00
*	11.776	310.00	6.13	1638.39	.08	2.33	.02	56.07	50.84	3.71	55.00	61.58	.00
	11.776	310.00	6.13	1639.06	.14	2.19	.01	59.44	69.31	4.32	55.00	61.56	.00
	11.885	575.00	4.70	1642.31	.10	3.92	.00	85.42	59.59	4.92	55.00	62.08	55.00
	11.885	575.00	4.70	1642.94	.13	3.88	.00	78.18	83.35	5.51	55.00	60.97	55.00
	11.950	365.00	11.51	1645.72	.09	3.41	.00	98.49	65.16	4.14	55.00	60.71	55.00
	11.950	365.00	11.51	1646.27	.14	3.33	.00	102.73	92.47	4.63	55.00	62.91	55.00
	12.043	470.00	8.09	1648.79	.05	3.06	.00	35.99	71.24	3.44	.00	61.47	55.00
	12.043	470.00	8.09	1649.91	.15	3.63	.00	63.32	103.34	4.46	.00	60.60	55.00
*	12.107	340.00	7.94	1651.10	.16	2.28	.03	138.94	74.33	2.94	.00	58.42	55.00
	12.107	340.00	7.94	1652.48	.25	2.55	.03	91.79	110.35	4.23	.00	58.39	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	12.179	380.00	7.11	1654.29	.14	3.19	.00	57.46	77.63	3.46	.00	68.82	55.00
	12.179	380.00	7.11	1655.65	.31	3.15	.02	71.38	117.00	4.65	.00	68.82	55.00
*	12.275	505.00	5.94	1657.15	.10	2.85	.00	35.35	85.15	3.35	55.00	61.85	55.00
*	12.275	505.00	5.94	1657.83	.08	2.15	.02	27.87	129.24	4.05	55.00	62.44	55.00
	12.370	500.00	6.00	1660.25	.21	3.07	.03	70.82	94.83	3.34	50.00	41.21	51.62
*	12.370	500.00	6.00	1660.28	.31	2.38	.07	108.69	141.50	3.27	50.00	41.16	51.61
	12.464	495.00	5.25	1663.03	.13	2.77	.01	61.11	103.87	3.60	55.00	61.88	55.00
*	12.464	495.00	5.25	1663.23	.11	2.93	.02	48.07	151.18	3.82	55.00	62.44	55.00
	12.560	505.00	5.74	1666.02	.17	2.98	.01	64.24	116.00	3.66	55.00	48.00	85.87
	12.560	505.00	5.74	1666.06	.19	2.81	.02	74.20	164.35	3.67	55.00	48.00	85.85
	12.657	510.00	5.69	1669.41	.21	3.37	.01	62.47	129.34	4.09	55.00	54.92	48.91
	12.657	510.00	5.69	1670.34	.44	4.20	.08	87.09	175.83	4.80	55.00	54.92	54.92
*	12.697	210.00	7.62	1670.33	.28	.91	.02	31.40	134.05	3.35	.00	28.00	55.19
*	12.697	210.00	7.62	1671.47	.48	1.12	.01	35.47	179.37	4.29	.00	28.00	55.60
*	12.701	20.00	-27.50	1670.37	.25	.03	.01	8.89	134.47	3.97	24.00	13.00	16.00
*	12.701	20.00	-27.50	1671.55	.31	.03	.05	7.52	179.72	5.09	.00	13.00	16.00
	12.709	40.00	5.00	1670.41	.24	.03	.00	8.16	135.23	3.82	24.00	13.00	16.00
	12.709	40.00	5.00	1671.58	.29	.03	.01	6.96	180.42	4.94	.00	13.00	16.00
*	12.712	16.00	34.38	1671.71	.69	.03	.23	50.85	135.54	4.12	.00	28.00	55.72
*	12.712	16.00	34.38	1673.26	1.26	.02	.48	57.21	180.66	5.10	.00	28.00	57.20
	12.740	150.00	1.33	1672.48	.41	.74	.03	47.45	138.55	4.97	55.00	28.62	55.00
	12.740	150.00	1.33	1673.98	.46	.65	.08	33.78	182.69	6.42	.00	35.45	55.00
	-10.890	550.00	.00	1608.73	.15	.00	.00	42.36	152.33	5.59	55.00	58.50	55.00
	-10.890	550.00	.00	1609.64	.26	.00	.00	48.61	192.33	6.38	.00	58.50	55.00
*	30.996	555.00	4.32	1610.51	.23	1.75	.02	13.49	161.62	4.88	33.45	.00	.00
	30.996	555.00	4.32	1611.71	.40	2.03	.04	23.10	199.91	5.91	35.46	.00	.00
*	31.101	555.00	4.68	1613.85	1.47	2.15	.37	102.07	164.18	4.38	34.40	.00	.00
*	31.101	555.00	4.68	1616.36	2.33	3.31	.58	120.34	203.76	6.03	36.83	.00	.00
*	31.205	550.00	4.18	1616.92	.58	2.97	.09	38.87	165.45	6.04	31.63	.00	.00
*	31.205	550.00	4.18	1618.60	.20	2.03	.21	20.16	207.15	8.10	41.40	.00	.00
*	31.309	550.00	8.73	1622.09	.38	3.16	.02	56.35	167.83	6.61	40.95	.00	.00
*	31.309	550.00	8.73	1622.66	.51	2.71	.10	113.49	212.94	7.05	44.10	.00	.00
	31.405	505.00	11.09	1626.28	.42	4.18	.01	63.36	170.46	5.16	40.51	.00	.00
*	31.405	505.00	11.09	1627.67	.37	4.99	.01	48.94	217.89	6.59	45.43	.00	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	31.512	565.00	6.02	1628.42	.10	2.11	.03	29.01	173.28	4.22	50.59	.00	.00
	31.512	565.00	6.02	1629.46	.12	1.76	.03	25.69	223.30	5.24	51.95	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 10.787 PROFILE= 1 CRITICAL DEPTH ASSUMED

WARNING SECNO= 10.890 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 10.890 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 10.996 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 10.996 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.205 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO= 11.205 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 11.205 PROFILE= 2 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 11.309 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 11.309 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.405 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 11.405 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.512 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 11.512 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.642 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 11.642 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.717 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 11.717 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 11.776 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.107 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.179 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.275 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 12.275 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.370 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.464 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.697 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 12.697 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 12.701 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 12.701 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 12.712 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 12.712 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 12.712 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 12.712 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 12.712 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

```
CAUTION SECNO=    12.712  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=    30.996  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    31.101  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    31.101  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    31.101  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    31.101  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    31.101  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    31.101  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=    31.205  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    31.205  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    31.309  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    31.309  PROFILE=  1  MINIMUN SPECIFIC ENERGY
CAUTION SECNO=    31.309  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    31.309  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    31.309  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=    31.405  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    31.512  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
10.787	184.	498.	5.9	1605.0	1604.0	1.0
10.890	364.	865.	3.6	1609.4	1608.6	.8
10.996	156.	455.	3.3	1612.0	1610.9	1.1
11.101	193.	536.	2.8	1614.3	1613.2	1.1
11.205	299.	273.	5.4	1618.4	1617.5	.9
11.309	218.	499.	3.0	1623.4	1622.5	.9
11.405	53.	224.	6.7	1626.6	1625.4	1.2
11.512	135.	496.	3.0	1630.3	1628.3	2.0
11.578	432.	812.	3.8	1632.3	1631.1	1.2
11.642	514.	1015.	3.1	1634.2	1633.5	.7
11.717	495.	785.	4.0	1636.6	1635.8	.8
11.776	602.	1051.	3.0	1638.9	1638.3	.6
11.885	790.	1086.	2.9	1642.8	1642.2	.6
11.950	935.	1051.	3.0	1646.1	1645.6	.5
12.043	593.	1033.	3.0	1649.7	1648.7	1.0
12.107	379.	778.	4.0	1652.2	1650.9	1.3
12.179	243.	706.	4.4	1655.4	1654.2	1.2
12.275	747.	1390.	2.2	1657.7	1657.0	.7
12.370	871.	810.	3.9	1659.9	1660.0	-.1
12.464	1008.	1192.	2.6	1663.1	1662.9	.2
12.560	998.	1235.	2.5	1665.9	1665.9	.0
12.657	253.	661.	5.0	1669.9	1669.2	.7
12.697	286.	794.	4.2	1671.0	1670.1	.9
12.701	360.	753.	4.4	1671.2	1670.1	1.1
12.709	361.	774.	4.3	1671.3	1670.2	1.1
12.712	208.	543.	6.1	1672.0	1671.0	1.0
12.740	188.	635.	5.2	1673.6	1672.1	1.5
-10.890	364.	866.	3.6	1609.4	1608.6	.8
30.996	101.	320.	5.1	1611.3	1610.3	1.0
31.101	29.	133.	12.2	1614.1	1612.4	1.7
31.205	164.	458.	3.6	1618.4	1616.3	2.1
31.309	266.	283.	5.8	1622.1	1621.7	.4
31.405	121.	332.	4.9	1627.3	1625.9	1.4
31.512	280.	592.	2.8	1629.3	1628.3	1.0

THIS RUN EXECUTED 24JUN93 14:32:37

```
************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
************************************


T1      DAGGS WASH FIS          FCDMC CONTRACT NO.:92-08       FILE:DGWH9
T2      100-YEAR WATER SURFACE PROFILE                A-N WEST INC. PHX. AZ.
T3      DAGGS WASH  100-YEAR PROFILE         DATE:5\18\93   AMMENDED:6\24\93
T4      FIXED ENCROACHMENT (METHOD 1) FLOODWAY RUN (SEC. 0.173 TO 10.891)
T5      TRIBUTARIES UPSTREAM OF SEC. 10.891 PREVENT FLOODWAY ANALYSIS UPSTREAM

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC    HVINS     Q        WSEL     FQ

      0        2                        0.010                                 1252

J2  NPROF     IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC     IBW      CHNIM    ITRACE

     1                 -1                                                                15


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38        43         1         2        26        39        21        22        27        28
    53        54        68         0        38        13        14        15        55        26
    56        63         1        51         4        42        57         0        38        39
    33         3        10        11        12         5         7         8        16        17
    18         0       200

QT       2      3041      3041
NC                                     .1         .3
NH       7      .055      9660      .028      9680      .055     9973.4       .09     9985.9      .028
NH   10018       .09   10028.3      .055   10933.4
ET                         9.1                                                      9798.43   10152.23
        THIS FIXED ENCROACHMENT (METHOD 1) FLOODWAY WAS GENERATED FROM THE
        EQUAL CONVEYANCE METHOD (METHOD 4) FLOODWAY (FILE:DGWH7).
        CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
        HYDRAULIC BASELINE.
        SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
        CONFLUENCE WITH HASSAYAMPA RIVER.
```

STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
CONFLUENCE WITH HASSAYAMPA R.).
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI.).

X1	0.173	73	9973.4	10060.3	0	0	0			
GR	1254	9480	1253.8	9500	1252	9520	1250	9540	1252	9560
GR	1253.3	9580	1253.5	9600	1253.3	9630	1252	9652	1250	9660
GR	1250	9680	1251.8	9690	1251.8	9720	1250.5	9730	1252.5	9760
GR	1252.5	9820	1252	9850	1252	9860	1252.8	9865	1253	9970
GR	1253.5	9973.4	1251.8	9985.9	1249.3	10000.0	1251.0	10018	1252.4	10028.3
GR	1252.5	10042.5	1252.8	10059.8	1253.1	10060.3	1252.3	10079.9	1252.3	10081.9
GR	1252.2	10086.1	1253.1	10110.6	1253.1	10117.6	1253.1	10126.7	1252.5	10155.1
GR	1251.7	10177.3	1251.6	10178.9	1251.7	10181.2	1252.2	10210.0	1252.2	10218.6
GR	1252.6	10278.1	1252.8	10305.7	1252.7	10307.9	1251.8	10325.5	1252.1	10335.2
GR	1251.4	10344.2	1252.6	10355.9	1252.6	10407.7	1252.6	10460.2	1252.8	10509.5
GR	1252.8	10510.3	1252.0	10520.6	1251.7	10525.6	1251.7	10525.7	1253.6	10542.1
GR	1253.3	10548.2	1253.1	10559.0	1251.8	10572.6	1251.2	10578.5	1252.5	10603.6
GR	1252.8	10609.0	1252.8	10610.1	1252.8	10620.0	1253.0	10713.1	1253.3	10737.0
GR	1253.4	10744.2	1253.5	10823.6	1253.7	10848.8	1253.5	10885.2	1253.3	10892.3
GR	1253.9	10903.1	1254.2	10918.3	1257.3	10933.4				
NH	7	.055	9633.5	.028	9658.7	.055	9930.3	.09	9985.2	.028
NH	10001	.09	10059.2	.055	10485.7					
ET			9.1						9653.08	10176.57
X1	0.261	71	9985.2	10024.6	600	450	465			
GR	1263.8	9402.6	1263.6	9407.3	1261.5	9419.6	1258.4	9438.7	1257.6	9448.3
GR	1257.7	9457.7	1257.5	9496.3	1256.9	9524.2	1256.7	9553.6	1256.7	9603.4
GR	1256.7	9612.6	1256.7	9616.9	1256.4	9618.7	1253.6	9633.5	1252.7	9650.9
GR	1252.2	9658.7	1253.1	9660.8	1257.0	9671.4	1256.8	9690.9	1256.8	9719.8
GR	1256.3	9752.5	1256.2	9755.0	1256.7	9798.9	1256.7	9840.2	1256.7	9840.5
GR	1256.7	9841.3	1256.7	9865.0	1256.7	9874.3	1256.2	9897.4	1256.5	9930.3
GR	1257.2	9972.1	1255.0	9985.2	1254.3	9997.3	1254.4	10000.0	1254.6	10001
GR	1255.9	10024.6	1255.2	10046.5	1255.4	10059.2	1256.7	10080.5	1256.7	10084.3
GR	1257.0	10107.5	1256.6	10119.7	1256.3	10140.4	1256.1	10146.2	1256.0	10151.2
GR	1255.6	10191.1	1256.2	10227.1	1255.9	10256.6	1255.8	10261.1	1255.6	10280.0
GR	1255.6	10282.0	1255.6	10282.8	1256.2	10291.0	1256.4	10298.3	1256.4	10314.1
GR	1256.7	10344.5	1256.7	10347.5	1256.4	10352.1	1255.0	10374.8	1255.3	10385.5
GR	1256.1	10400.0	1256.1	10400.0	1255.9	10408.0	1255.8	10419.8	1255.9	10425.6
GR	1256.1	10430.4	1257.1	10444.1	1257.8	10455.1	1259.2	10460.0	1263.4	10477.4
GR	1265.2	10485.7								
NH	6	.055	9785	.028	9810	.055	9930.1	.028	10000.0	.09
NH	10036	.055	10490							
ET			9.1						9888.45	10064.96
X1	0.309	49	9974.4	10036	220	250	255			
GR	1270	9740	1260	9770	1256	9785	1254	9795	1254	9810
GR	1256	9815	1258	9822	1259	9850	1259.2	9860	1259.2	9880
GR	1259.2	9893.7	1259.4	9908.6	1256.4	9928.0	1256.1	9930.1	1257.8	9956.5
GR	1257.8	9956.9	1258.1	9974.4	1257.1	9987.5	1257.2	9991.8	1257.2	10000.0
GR	1257.2	10002.9	1257.8	10015.9	1258.6	10036	1258.9	10064.0	1258.9	10068.2
GR	1258.9	10074.8	1259.2	10132.7	1259.2	10181.8	1259.2	10208.7	1259.1	10227.9

GR	1258.9	10249.0	1258.5	10288.3	1258.2	10316.1	1257.8	10333.3	1258.4	10359.5
GR	1258.8	10366.0	1258.7	10379.8	1258.6	10404.6	1258.1	10415.4	1257.3	10426.7
GR	1257.8	10435.0	1258.3	10439.2	1258.6	10446.4	1258.9	10459.2	1257.3	10472.6
GR	1257.2	10473.4	1257.8	10475.2	1260	10483	1262	10490		
NH	5	.055	9980	.09	9995	.028	10003	.09	10015	.055
NH	10370									
ET			9.1						9591.12	10116.79
X1	0.428	60	9969.2	10030	700	530	630			
GR	1280.1	9168.5	1273.4	9190.7	1273.3	9191.1	1273.3	9191.7	1273.1	9192.9
GR	1270.0	9220.1	1268.6	9231.1	1268.3	9247.7	1268.3	9280.7	1268.1	9305.7
GR	1267.5	9324.3	1266.5	9359.3	1266.1	9378.3	1265.6	9402.4	1264.5	9448.8
GR	1264.4	9456.0	1263.4	9530.6	1263.3	9537.3	1263.2	9545.5	1263.0	9552.8
GR	1262.8	9564.5	1263.2	9576.5	1263.4	9584.6	1264.0	9597.1	1263.9	9612.4
GR	1263.5	9700.2	1263.4	9739.3	1263.4	9749.8	1263.1	9752.8	1262.3	9760.7
GR	1261.7	9769.2	1263.8	9783.2	1263.9	9783.6	1263.9	9827.0	1263.8	9835.0
GR	1263.9	9837.3	1263.9	9839.4	1263.6	9845.3	1262.5	9855.4	1264.4	9876.4
GR	1264.9	9880.8	1263.8	9910.8	1264.0	9938.4	1264.4	9964.4	1264.5	9969.2
GR	1264.4	9980	1264	9990	1263.5	9995	1263.5	10003	1264.0	10015
GR	1264.4	10030	1264	10045	1263.1	10062	1263.9	10095	1263.6	10170
GR	1263.2	10210	1264	10255	1266	10315	1270	10330	1280	10370
NH	5	.055	9982.9	.09	10000.0	.028	10019.8	.09	10030.9	.055
NH	10312									
ET			9.1						9670.14	10030.90
X1	0.514	48	9984.7	10030.9	420	430	450			
GR	1276.6	9309.7	1276.3	9313.2	1274.6	9327.3	1274.0	9332.8	1272.8	9345.3
GR	1271.7	9358.5	1268.3	9387.3	1268.2	9398.5	1268.1	9414.5	1267.4	9436.3
GR	1266.6	9494.2	1266.6	9496.0	1266.6	9496.8	1266.6	9521.0	1266.4	9531.9
GR	1266.0	9584.7	1266.3	9622.8	1266.4	9660.4	1266.7	9705.9	1266.9	9707.3
GR	1267.0	9720.1	1266.4	9751.8	1266.0	9831.4	1266.1	9837.8	1266.5	9859.5
GR	1266.8	9881.0	1267.5	9904.8	1267.4	9923.3	1267.6	9953.0	1267.8	9969.8
GR	1267.8	9972.8	1268.3	9982.9	1268.1	9984.7	1266.7	10000.0	1266.8	10002.5
GR	1267.8	10019.8	1267.8	10030.9	1267.5	10053.4	1266.9	10092.5	1266.4	10117.4
GR	1266.3	10162.4	1266.5	10175.8	1267.6	10228.3	1268.5	10272.0	1268.5	10279.2
GR	1269.7	10286.0	1275.9	10307.0	1277.5	10312				
NH	5	.055	9979.1	.09	9995.0	.028	10002.5	.09	10028.8	.055
NH	10053									
ET			9.1						9721.17	10028.80
X1	0.625	35	9984.4	10028.8	585	585	585			
GR	1283.4	9257.3	1281.9	9263.9	1281.7	9264.8	1281.6	9265.4	1281.5	9266.2
GR	1276.0	9298.0	1275.6	9319.5	1275.0	9366.6	1274.2	9388.4	1273.6	9420.3
GR	1273.5	9422.8	1273.4	9429.9	1273.3	9451.9	1273.4	9468.5	1273.1	9474.4
GR	1271.2	9512.8	1271.6	9621.3	1271.6	9648.5	1271.5	9659.3	1270.9	9717.5
GR	1270.6	9753.2	1270.7	9764.2	1270.7	9764.4	1270.7	9773.3	1270.6	9822.2
GR	1270.6	9864.1	1271.0	9911.8	1271.1	9930.6	1271.6	9979.1	1271.7	9984.4
GR	1270.9	9995.0	1270.5	10000.0	1270.6	10002.5	1270.8	10028.8	1282.1	10053

NH	5	.055	9963.2	.09	10000.0	.028	10015.4	.09	10028.8	.055
NH	10125									
ET			9.1						9750.45	10028.80
X1	0.745	46	9963.2	10028.8	480	635	635			
GR	1287.7	9138.9	1279.4	9170.7	1278.6	9173.5	1278.3	9174.5	1277.8	9218.0
GR	1277.7	9230.1	1276.9	9268.2	1276.3	9305.4	1276.0	9313.2	1276.1	9318.2
GR	1275.7	9363.1	1275.7	9371.1	1275.1	9404.3	1274.8	9411.7	1275.0	9442.9
GR	1275.1	9476.8	1275.1	9489.6	1275.4	9565.3	1274.8	9603.3	1275.0	9638.7
GR	1275.7	9693.4	1275.3	9703.2	1274.0	9722.1	1274.0	9733.1	1274.6	9752.2
GR	1274.4	9781.6	1274.8	9820.1	1274.8	9839.7	1274.4	9879.0	1274.8	9928.2
GR	1275.0	9935.4	1275.1	9940.8	1275.9	9963.2	1274.7	9979.4	1274.3	9987.3
GR	1274.4	10000.0	1274.5	10001.8	1274.5	10002.0	1275.0	10015.4	1275.3	10028.8
GR	1277.0	10083.3	1278.5	10094.0	1280.0	10098.2	1282.2	10103.7	1286.4	10116.4
GR	1288.9	10125								
NH	5	.055	9919.0	.09	9975.0	.028	10000.0	.09	10030.8	.055
NH	10057									
ET			9.1						9810	10032
X1	0.825	58	9916.5	10030.8	390	420	425			
GR	1300.1	9088.2	1299.9	9089.9	1297.5	9106.7	1295.3	9119.9	1295.0	9120.9
GR	1294.7	9123.5	1290.4	9146.1	1289.1	9162.6	1288.8	9167.1	1288.5	9169.4
GR	1285.0	9198.7	1282.9	9221.1	1282.5	9236.3	1281.7	9268.5	1281.5	9282.9
GR	1280.7	9332.3	1280.6	9341.9	1280.2	9383.1	1280.1	9413.7	1278.1	9463.2
GR	1277.9	9468.3	1278.2	9470.3	1280.2	9479.1	1280.2	9518.5	1280.0	9585.2
GR	1279.9	9586.7	1278.4	9627.6	1279.2	9642.4	1279.3	9646.0	1277.8	9665.8
GR	1279.4	9685.4	1279.4	9686.3	1279.4	9687.6	1279.4	9696.8	1279.5	9753.0
GR	1279.5	9758.8	1279.4	9760.9	1278.9	9777.5	1279.3	9793.1	1279.4	9804.4
GR	1279.0	9828.2	1277.8	9916.5	1277.8	9917.6	1277.8	9919.0	1277.8	9960.1
GR	1277.8	9965.5	1277.8	9975.0	1277.8	9981.0	1277.8	9994.3	1277.9	10000.0
GR	1277.8	10008.7	1277.9	10010.6	1277.8	10013.2	1278.6	10026.0	1279.6	10030.8
GR	1280.7	10038.4	1287.6	10054.2	1288.2	10057				
NH	5	.055	9930.6	.09	9981.8	.028	10000.0	.09	10031.8	.055
NH	10322									
ET			9.1						9842.60	10135.15
X1	0.923	44	9981.8	10050.4	375	540	515			
GR	1291.8	9536.9	1288.3	9560.4	1285.3	9575.9	1284.5	9591.9	1284.1	9601.5
GR	1283.9	9635.0	1283.8	9668.7	1283.6	9680.1	1282.9	9730.0	1281.5	9747.3
GR	1280.6	9760.9	1282.3	9776.7	1282.7	9781.5	1282.7	9785.3	1282.3	9848.9
GR	1282.3	9904.1	1282.2	9906.2	1282.2	9907.0	1282.0	9913.9	1281.6	9926.8
GR	1281.6	9927.9	1281.7	9930.6	1283.2	9981.8	1281.9	9991.0	1280.6	10000.0
GR	1281.4	10022.1	1281.7	10031.8	1282.1	10050.4	1282.2	10057.8	1282.2	10061.5
GR	1282.2	10072.2	1282.5	10122.6	1281.5	10149.6	1281.1	10158.3	1281.9	10171.6
GR	1282.1	10178.3	1282.2	10243.4	1282.3	10270.3	1283.7	10280.5	1285.6	10285.5
GR	1286.5	10288.0	1291.3	10297.8	1294.3	10308.2	1299.3	10322		
NH	6	.055	9895.3	.028	9919.0	.09	9979.6	.028	10000.0	.09
NH	10028	.055	10456.8							
ET			9.1						9898	10020

X1	1.021	42	9965.9	10018.1	400	550	515			
GR	1295.4	9733.7	1293.3	9738.6	1291.6	9743.4	1290.0	9754.8	1289.5	9758.4
GR	1289.4	9759.2	1288.0	9798.2	1287.5	9803.7	1285.8	9821.9	1286.3	9828.1
GR	1287.3	9851.5	1287.3	9853.5	1287.0	9854.9	1284.4	9876.1	1284.5	9876.6
GR	1285.3	9895.3	1284.1	9919.0	1285.5	9945.7	1285.5	9947.4	1284.1	9965.9
GR	1283.8	9979.6	1283.9	9984.4	1283.7	10000.0	1285.4	10018.1	1286.0	10028
GR	1286.0	10034.4	1286.2	10071.9	1286.7	10109.6	1287.6	10144.4	1287.8	10160.9
GR	1288.3	10201.0	1288.7	10240.8	1288.9	10273.9	1289.0	10285.4	1289.1	10289.2
GR	1291.9	10363.6	1292.6	10382.5	1293.1	10393.8	1298.0	10426.8	1298.2	10429.2
GR	1304.8	10452.6	1305.7	10456.8						
NH	5	.055	9958.1	.09	9975.4	.028	10025.4	.09	10054.8	.055
NH	10648									
ET			9.1						9818.47	10076.24
X1	1.078	54	9965.1	10029.6	260	350	300			
GR	1290.0	9750.0	1287.2	9759.3	1287.5	9766.0	1288.2	9780.2	1288.3	9783.2
GR	1288.3	9786.2	1288.1	9800.1	1287.4	9806.7	1287.0	9812.7	1287.9	9828.6
GR	1288.3	9836.0	1288.5	9854.4	1288.5	9898.9	1288.9	9937.0	1288.9	9958.1
GR	1287.9	9965.1	1285.8	9975.4	1285.3	10000.0	1285.5	10025.4	1286.3	10029.6
GR	1286.0	10054.8	1286.0	10055.1	1286.0	10055.1	1286.1	10064.0	1286.2	10066.1
GR	1287.0	10092.7	1287.9	10099.3	1288.6	10106.2	1289.5	10159.9	1289.7	10195.3
GR	1290.2	10221.8	1290.4	10273.9	1290.6	10299.0	1290.3	10314.5	1290.6	10327.8
GR	1290.9	10334.3	1291.1	10367.0	1291.1	10368.9	1291.1	10370.5	1291.5	10385.7
GR	1291.3	10412.5	1291.3	10432.6	1291.8	10455.6	1291.8	10460.1	1292.7	10476.7
GR	1293.8	10488.3	1294.7	10540.6	1294.9	10568.4	1295.1	10582.6	1299.2	10598.8
GR	1305.6	10623.5	1309.9	10646.9	1309.9	10647.2	1310.0	10648		
NH	4	.055	9980	.028	10024.9	.09	10039.7	.055	10992	
ET			9.1						9980.00	10305.55
X1	1.208	52	9980	10039.7	685	400	685			
GR	1315	9955	1305	9960	1300	9970	1295	9975	1290	9980
GR	1289.3	9989.3	1289.8	10000.0	1290.8	10024.9	1291.7	10039.7	1292.6	10051.2
GR	1292.3	10075.9	1292.6	10109.3	1292.7	10128.3	1292.1	10136.2	1290.8	10156.6
GR	1291.3	10163.9	1292.0	10177.2	1292.6	10199.3	1292.8	10212.8	1290.6	10237.5
GR	1290.6	10237.8	1290.7	10238.9	1292.2	10262.3	1292.1	10274.3	1292.2	10307.8
GR	1292.2	10338.2	1292.3	10373.5	1291.9	10387.0	1290.4	10421.6	1291.1	10443.4
GR	1291.4	10456.2	1291.6	10471.6	1291.7	10476.5	1291.2	10483.4	1290.0	10496.1
GR	1289.9	10507.9	1290.4	10519.1	1291.4	10532.6	1291.3	10584.9	1291.0	10681.5
GR	1291.8	10748.7	1293.3	10842.5	1293.4	10850.7	1294.1	10868.6	1294.8	10883.0
GR	1296.5	10936.9	1297.3	10954.8	1297.3	10956.6	1297.4	10958.8	1298.0	10968.8
GR	1300.6	10984.6	1301.8	10992						
NH	5	.055	9955.3	.09	9981.7	.028	10017.8	.09	10062.4	.055
NH	10740									
ET			9.1						9953	10146
X1	1.296	44	9955.3	10020.4	465	320	465			
GR	1306.1	9677.3	1306.0	9681.6	1305.6	9683.7	1298.9	9706.1	1297.5	9717.5
GR	1296.1	9762.2	1295.3	9793.2	1294.7	9858.9	1295.2	9899.8	1295.9	9933.8
GR	1293.9	9955.3	1293.2	9961.5	1293.0	9981.7	1292.9	10000.0	1294.8	10017.8
GR	1295.2	10020.4	1296.1	10062.4	1296.1	10078.8	1295.1	10106.2	1294.6	10112.1
GR	1294.3	10133.6	1294.6	10139.6	1295.6	10167.3	1295.2	10235.3	1295.2	10244.3
GR	1295.0	10266.4	1294.9	10280.8	1294.9	10284.9	1295.3	10322.5	1295.2	10330.2
GR	1295.0	10364.2	1294.6	10390.8	1294.4	10396.2	1294.7	10409.2	1295.2	10420.3
GR	1295.7	10500.8	1296.0	10537.6	1296.2	10565.8	1298.1	10652.3	1298.9	10681.1

```
GR   1300.1   10696.6    1300.6   10708.3     1303.5    10732.3     1304.1      10740

NH        8      .055    9965.0       .09     9977.7       .028    10013.8        .09    10072.9       .055
NH    10111      .028   10160.3       .09    10185.1       .055    10608.1
ET                7.1       9.1                                     8910      10322    9965.00   10147.00
      AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
      THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
      LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
      DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
      SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
      AND SEC.1.406 (LEFT OF STA. 9800+\-).
      THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
      APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.
X1    1.406        66    9965.0   10072.9        580        470        580
GR     1310      8910      1308      8918       1306       8930       1304       9060       1302       9150
GR     1300      9380      1302      9540     1308.1       9580     1304.1     9779.2     1303.9     9782.4
GR   1302.4    9798.3    1301.7    9818.8     1301.6     9824.1     1301.3     9828.6     1299.1     9853.5
GR   1299.0    9870.0    1299.2    9894.0     1299.5     9965.0     1298.0     9977.7     1296.7     9986.4
GR   1297.3   10000.0    1297.8   10009.2     1297.9    10013.8     1298.3    10033.0     1299.1    10072.9
GR   1299.3   10083.5    1299.6   10095.1     1298.8      10111     1298.1    10121.3     1297.8    10160.3
GR   1297.5   10185.1    1299.2   10200.0     1299.8    10204.1     1299.3    10219.3     1299.3    10221.0
GR   1299.4   10227.0    1301.7   10244.9     1302.2    10256.6     1303.3    10262.9     1305.9    10279.1
GR   1308.4   10293.4    1308.3   10295.8     1309.3    10307.1     1311.8    10321.3     1311.9    10322.2
GR   1311.9   10322.3    1311.8   10323.3     1310.0    10341.7     1310.0    10341.7     1306.3    10356.8
GR   1305.8   10360.4    1301.0   10380.7     1300.6    10392.8     1300.0    10426.9     1300.0    10427.7
GR   1300.0   10428.6    1300.9   10450.2     1301.0    10476.5     1301.8    10536.7     1303.5    10557.4
GR   1303.9   10564.2    1304.2   10567.0     1306.5    10588.6     1307.5    10591.3     1310.4    10602.8
GR   1312.5   10608.1

NH        5      .055    9956.4       .09       9974       .028    10036.0        .09    10057.6       .055
NH    10517
ET                        9.1                                                            9947.10   10100.70
      THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
      APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
      SEC. 1.753.
X1    1.466        86    9947.1   10100.7        320        300        315
GR   1314.0    8674.9    1308.0    8721.1     1308.0     8726.6     1307.8     8728.4     1307.8     8734.5
GR   1306.5    8827.4    1306.1    8884.2     1304.6     9017.9     1304.5     9022.8     1304.5     9026.4
GR   1303.9    9078.1    1304.1    9128.0     1303.5     9177.9     1302.8     9221.1     1302.8     9245.7
GR   1302.1    9302.1    1302.0    9308.9     1302.9     9313.7     1305.0     9328.7     1306.8     9344.0
GR   1310.8    9370.6    1311.6    9377.0     1311.7     9379.1     1312.0     9400.8     1311.9     9401.2
GR   1311.1    9420.0    1311.0    9429.3     1310.1     9438.1     1308.7     9448.9     1306.2     9457.8
GR   1305.6    9460.3    1305.6    9461.8     1305.7     9466.5     1306.6     9494.1     1306.7     9512.5
GR   1306.7    9514.2    1310.2    9533.3     1309.8     9540.3     1308.8     9559.5     1309.0     9561.3
GR   1310.7    9577.8    1311.1    9602.0     1311.6     9625.9     1310.9     9643.9     1311.0     9676.0
GR   1310.7    9678.3    1310.2    9682.1     1309.8     9684.8     1306.6     9712.4     1302.5     9740.1
GR   1302.6    9768.3    1302.8    9789.2     1303.0     9805.5     1301.9     9854.3     1301.2     9877.0
GR   1301.7    9922.3    1302.2    9947.1     1301.2     9956.4     1299.4     9974.0     1299.2    10000.0
GR   1298.9   10036.0    1298.9   10057.6     1298.9    10084.0     1300.1    10100.7     1300.6    10106.8
GR   1300.7   10113.7    1300.9   10123.4     1301.6    10162.9     1306.9    10185.8     1308.7    10193.4
GR   1304.1   10234.0    1303.9   10236.5     1304.0    10249.4     1304.3    10287.2     1304.3    10290.3
GR   1304.4   10325.7    1304.4   10335.4     1304.6    10354.9     1304.8    10362.4     1305.9    10416.1
GR   1307.0   10456.5    1308.3   10461.0     1311.3    10476.3     1312.6    10501.0     1313.4    10507.3
GR   1313.8     10517
```

NH	5	.055	9898.7	.09	9962.3	.028	10057.0	.09	10089.7	.055
NH	10232									
ET			9.1						9898.7	10089.7
X1	1.592	81	9898.7	10089.4	500	700	665			
GR	1309.5	8622.6	1309.4	8631.8	1308.4	8674.9	1308.2	8725.0	1307.9	8733.8
GR	1307.8	8753.3	1307.8	8835.3	1307.4	8850.7	1306.1	8907.5	1306.1	8922.2
GR	1306.1	8975.0	1306.4	9072.0	1306.4	9109.2	1306.5	9170.7	1306.1	9233.0
GR	1306.1	9236.6	1306.2	9242.9	1306.8	9282.1	1307.7	9375.7	1307.8	9387.4
GR	1307.7	9388.9	1306.6	9419.8	1306.7	9424.0	1306.7	9454.9	1306.7	9464.9
GR	1306.9	9494.6	1306.3	9525.1	1306.0	9549.6	1305.8	9584.7	1306.1	9633.5
GR	1305.8	9675.0	1306.0	9706.2	1306.0	9723.7	1305.9	9733.3	1306.1	9794.4
GR	1306.0	9795.4	1303.9	9815.2	1304.6	9821.1	1304.6	9827.5	1304.5	9829.3
GR	1305.3	9835.6	1305.6	9838.2	1305.8	9842.3	1306.1	9892.1	1305.4	9898.7
GR	1304.3	9918.1	1303.6	9926.5	1302.9	9937.6	1303.0	9942.5	1302.8	9945.3
GR	1302.7	9962.3	1303.2	9965.7	1304.0	9976.7	1303.7	9982.9	1303.6	10000.0
GR	1303.5	10008.8	1303.1	10018.7	1303.1	10024.1	1303.8	10050.4	1303.9	10052.4
GR	1304.0	10057.0	1304.2	10076.2	1305.3	10084.6	1305.7	10088.4	1305.7	10089.7
GR	1306.1	10117.5	1303.5	10131.8	1303.3	10133.1	1303.7	10135.3	1306.9	10156.1
GR	1307.2	10160.5	1307.2	10161.5	1307.5	10164.7	1309.2	10185.6	1309.4	10186.8
GR	1309.8	10195.8	1311.7	10206.0	1312.0	10209.0	1313.2	10212.5	1315.6	10220.2
GR	1318.8	10232								
NH	5	.055	9980.1	.09	9999.1	.028	10024.3	.09	10044.3	.055
NH	10426									
ET			9.1						9823.67	10044.30
	THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO									
	CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.									
X1	1.753	58	9980.1	10044.3	600	950	850			
GR	1324.3	9439.8	1319.4	9484.0	1314.3	9515.7	1312.8	9524.0	1312.8	9535.3
GR	1312.7	9571.8	1312.6	9599.7	1312.7	9635.3	1312.7	9651.9	1312.2	9670.2
GR	1312.2	9682.6	1312.2	9684.1	1312.4	9689.7	1312.8	9698.4	1312.7	9704.2
GR	1312.2	9748.9	1311.0	9758.8	1310.5	9762.5	1312.7	9782.7	1312.8	9783.8
GR	1312.4	9822.8	1312.6	9859.8	1312.8	9877.0	1312.6	9882.2	1311.2	9896.4
GR	1311.5	9899.2	1311.7	9910.3	1311.7	9924.9	1313.8	9980.1	1309.6	9999.1
GR	1309.4	10000.0	1309.6	10008.0	1309.9	10024.3	1310.3	10026.9	1312.6	10044.3
GR	1312.6	10074.6	1312.5	10103.6	1312.2	10124.5	1312.0	10142.4	1312.2	10160.2
GR	1311.9	10172.3	1311.7	10179.3	1311.7	10193.3	1311.7	10197.8	1311.8	10200.7
GR	1312.4	10222.3	1312.6	10230.6	1313.7	10257.2	1315.0	10274.3	1315.4	10291.0
GR	1316.3	10312.0	1317.2	10352.0	1317.5	10358.5	1317.7	10362.4	1321.2	10375.8
GR	1325.4	10398.6	1327.5	10408.4	1332.7	10426				
NH	5	.055	9963.9	.09	9979.7	.028	10022.6	.09	10029.0	.055
NH	10839									
ET			9.1						9973	10175
X1	1.857	56	9977.9	10022.6	390	550	550			
GR	1326.7	9884.4	1326.7	9895.1	1326.6	9899.3	1326.2	9911.3	1325.3	9931.4
GR	1322.5	9945.2	1322.2	9949.0	1319.5	9963.9	1313.4	9977.9	1312.8	9979.7
GR	1312.8	9984.6	1312.8	10000.0	1315.5	10022.6	1316.1	10028.1	1316.1	10029.0
GR	1315.8	10059.8	1315.6	10069.2	1316.0	10076.6	1316.7	10098.5	1316.1	10161.8
GR	1316.0	10167.8	1315.5	10171.3	1314.1	10180.8	1313.9	10182.3	1314.0	10182.6
GR	1315.6	10192.5	1315.6	10198.1	1315.3	10206.6	1313.9	10212.3	1313.3	10216.3
GR	1314.0	10221.8	1315.4	10233.2	1315.9	10252.8	1316.0	10257.8	1316.0	10265.3
GR	1315.4	10283.6	1315.8	10299.8	1316.3	10313.0	1316.2	10352.7	1316.3	10362.3

```
GR   1317.9   10435.9   1318.2   10456.7   1319.1   10491.3   1321.7   10591.4   1322.7   10625.6
GR   1323.3   10653.4   1323.9   10693.0   1324.4   10708.9   1324.1   10733.6   1324.1   10748.2
GR   1324.1   10761.4   1324.3   10781.7   1332.3   10815.4   1332.8   10817.4   1333.3   10820.0
GR   1338.1   10839

NH      5      .055    9953.7      .09    9967.0      .028   10060.1      .09   10072.1      .055
NH  11096
ET                      9.1                                                    9960      10075
X1  1.949        55    9963.7   10072.1       485       420       485
GR  1330.1    9903.9   1328.0    9913.5   1324.4    9930.6   1323.9    9933.6   1323.6    9935.9
GR  1320.3    9953.7   1319.5    9963.7   1319.0    9967.0   1318.5    9969.5   1316.4    9982.6
GR  1316.3   10000.0   1317.9   10060.1   1318.2   10072.1   1318.3   10073.9   1318.6   10078.9
GR  1319.4   10096.0   1319.4   10158.7   1319.6   10176.3   1319.4   10180.0   1319.1   10190.2
GR  1319.2   10206.1   1319.3   10215.1   1319.4   10229.8   1319.4   10253.3   1319.0   10325.1
GR  1318.9   10333.8   1318.9   10340.6   1318.9   10342.1   1318.8   10346.5   1318.9   10358.6
GR  1318.9   10438.9   1318.9   10461.7   1318.9   10464.4   1318.9   10465.9   1320.0   10468.3
GR  1320.4   10538.0   1320.3   10560.5   1320.4   10580.8   1321.0   10621.4   1322.1   10685.2
GR  1322.7   10715.3   1323.4   10750.7   1323.6   10767.7   1323.8   10778.1   1324.8   10818.9
GR  1324.9   10823.7   1325.3   10868.6   1325.6   10905.0   1325.6   10906.9   1325.8   10910.9
GR  1326.5   10967.2   1328.3   11008.7   1329.2   11048.8   1335.9   11075.6   1341.2   11096

NH      10      .055      9395      .028      9405      .09      9420      .055    9512.5      .028
NH  9537.6      .055    9883.9       .09    9936.4      .028   10000.0       .09   10028.1      .055
NH  10730
ET                7.1       9.1                                 9220   10265.3      9800      10037
X1  2.088          85    9927.9   10028.1       880       580       735
GR   1330        9220      1326      9230      1326      9350    1325.6    9364.1    1325.5      9390
GR  1323.7        9395    1323.3      9405      1324      9410    1324.3      9420    1325.9      9450
GR  1323.3        9465    1324.0    9482.4    1325.0    9483.2    1325.0    9486.5    1324.6    9501.5
GR  1323.8      9512.5    1323.8    9516.6    1323.9    9537.6    1325.0    9553.2    1325.0    9553.3
GR  1325.0      9553.4    1324.6    9567.4    1325.4    9577.4    1325.6    9586.0    1325.8    9593.5
GR  1325.2      9605.4    1325.2    9649.9    1324.8    9678.3    1324.3    9698.7    1323.9    9717.7
GR  1324.2      9721.4    1324.4    9743.0    1324.7    9775.5    1324.5    9824.7    1324.6    9829.7
GR  1324.5      9832.6    1324.6    9848.7    1324.3    9851.5    1324.0    9857.5    1324.5    9863.3
GR  1324.8      9866.7    1325.0    9883.9    1325.5    9926.5    1325.3    9927.9    1322.8    9936.4
GR  1322.7      9941.9    1322.2    9964.2    1322.0    9973.8    1321.7    9980.2    1321.7    9989.5
GR  1321.7      9993.3    1321.7   10000.0    1321.4   10016.5    1324.5   10028.1    1324.9   10029.3
GR  1324.7     10037.6    1324.4   10052.4    1322.3   10063.1    1321.8   10067.7    1322.9   10081.7
GR  1324.3     10100.4    1324.3   10109.7    1324.5   10116.2    1325.0   10155.6    1325.4   10181.4
GR  1325.2     10243.8    1325.3   10245.6    1326.3   10265.3    1325.9   10295.3    1325.3   10329.3
GR  1324.7     10345.1    1324.6   10351.6    1325.3   10379.2    1326.1   10400.8    1326.8   10427.2
GR  1326.8     10433.4    1326.9   10476.0    1328.6   10565.7    1328.8   10577.8    1328.9   10584.8
GR  1328.9     10588.5    1329.3   10601.0    1330.5   10672.8    1330.7   10718.3    1330.8      10730

NH      13      .055      9250       .09      9260      .028      9270       .09      9290      .055
NH  9511.3       .09    9533.6      .028    9540.4       .09    9550.5      .055    9960.2       .09
NH  9974.1      .028   10017.5       .09   10033.9      .055   10504.0
ET                7.1       9.1                                 9200   10504.0    9748.5   10033.9
X1  2.215          74    9969.7   10033.9       750       650       670
GR   1334        8975      1332      9000      1330      9020      1330      9050      1332      9060
GR   1330        9150      1330      9160      1332      9200      1330      9250    1329.1      9260
GR  1329.1        9270      1330      9275      1332      9290      1332      9360      1332      9500
GR  1331.8      9511.3    1328.8    9533.6    1328.2    9540.4    1328.2    9550.5    1329.1    9555.7
GR  1329.2      9557.7    1330.0    9572.9    1330.0    9580.5    1330.1    9588.8    1330.0    9590.1
```

GR	1329.7	9592.5	1329.3	9596.5	1329.3	9602.3	1329.9	9616.0	1329.9	9624.5
GR	1330.6	9649.0	1330.5	9649.7	1329.8	9660.1	1330.7	9694.1	1331.6	9705.5
GR	1331.7	9706.4	1331.7	9710.3	1331.2	9739.6	1331.0	9748.7	1330.7	9782.3
GR	1329.9	9840.3	1329.5	9854.6	1329.6	9859.3	1329.7	9870.7	1329.9	9890.7
GR	1330.1	9937.4	1330.4	9960.2	1330.2	9969.6	1330.3	9969.7	1329.1	9974.1
GR	1326.6	9983.0	1326.0	9986.9	1326.0	10000.0	1325.8	10017.5	1325.1	10017.6
GR	1330.3	10033.9	1330.6	10035.5	1330.5	10041.1	1330.1	10062.5	1329.8	10095.4
GR	1329.8	10116.2	1329.6	10122.8	1329.0	10161.6	1330.1	10187.2	1330.1	10188.8
GR	1330.2	10189.5	1331.1	10269.7	1331.8	10306.5	1332.2	10332.5	1332.6	10356.1
GR	1332.8	10401.6	1333.1	10477.3	1333.2	10489.4	1333.2	10504.0		
NH	9	.055	9561.3	.09	9579.4	.028	9600.0	.09	9615.1	.055
NH	9983.3	.09	10000.0	.028	10035.3	.09	10051.6	.055	10216.6	
ET		7.1	9.1				9378.5	10216.6	9765	10051.6
X1	2.340	73	9983.3	10051.6	750	660	660			
GR	1343.2	9008.4	1342.3	9016.4	1342.2	9017.7	1342.1	9021.5	1340.5	9092.0
GR	1340.2	9113.8	1338.9	9132.1	1338.9	9132.1	1338.9	9132.2	1339.3	9150.5
GR	1338.9	9171.5	1338.0	9244.5	1337.2	9294.5	1337.2	9330.9	1336.4	9343.6
GR	1336.1	9352.8	1337.2	9362.9	1337.8	9373.0	1337.8	9375.0	1337.8	9378.5
GR	1337.7	9383.2	1336.7	9459.0	1336.7	9463.8	1336.7	9477.7	1336.9	9485.6
GR	1337.2	9516.5	1337.6	9553.0	1337.7	9561.3	1337.1	9566.3	1335.0	9579.4
GR	1335.0	9589.0	1335.2	9600.0	1335.7	9604.2	1337.0	9615.1	1335.5	9626.7
GR	1335.5	9629.1	1335.5	9630.5	1335.3	9638.0	1335.4	9644.0	1335.4	9646.1
GR	1335.8	9663.0	1335.8	9676.6	1335.9	9708.7	1336.1	9714.6	1336.0	9717.2
GR	1336	9736.7	1336.5	9763.5	1337.2	9774.8	1337.2	9788.7	1337.1	9795.6
GR	1336	9810.1	1336	9816.4	1336	9817.0	1337.9	9854.7	1339.4	9870.2
GR	1339.4	9871.2	1339.8	9918.4	1338.5	9942.4	1338.0	9960.0	1337.8	9969.6
GR	1340.7	9981.3	1341.3	9983.3	1333.6	9996.1	1330.6	10000.0	1331.6	10028.7
GR	1331.6	10031.3	1333.2	10035.3	1340.0	10051.6	1340.4	10066.0	1339.3	10134.6
GR	1339.6	10152.2	1340.3	10188.9	1341.8	10216.6				
NH	9	.055	9721.9	.09	9735	.028	9753.9	.09	9771.7	.055
NH	9955.1	.09	9971.5	.028	10077.0	.09	10092.8	.055	10149.2	
QT	2	3277	3277							
ET			9.1						9950	10085

OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
HYDRAULIC MODELING MADE FOR ROAD.
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C900. (D.A.=26.14 SQ. MI.).

X1	2.438	54	9955.1	10084.9	350	500	520			
GR	1344.2	9151.3	1342.9	9199.5	1342.5	9202.7	1341.8	9243.1	1341.1	9271.8
GR	1341.5	9288.5	1341.1	9352.5	1340.4	9375.1	1340.4	9412.9	1340.4	9452.2
GR	1340.3	9536.5	1340.0	9576.9	1340.0	9590.1	1339.9	9619.4	1339.5	9638.7
GR	1339.5	9714.2	1339.5	9719.8	1339.5	9721.9	1337.5	9735	1337.0	9740.6
GR	1337.0	9740.7	1337.0	9753.9	1340.1	9771.7	1341.7	9780.3	1341.2	9783.7
GR	1339.2	9794.7	1339.0	9807.6	1338.9	9811.9	1338.9	9824.7	1338.7	9832.8
GR	1340.8	9857.5	1341.1	9861.3	1341.1	9862.9	1341.6	9889.0	1341.8	9895.6
GR	1341.9	9910.8	1341.0	9933.4	1339.8	9955.1	1339.2	9959.8	1338.8	9964.9
GR	1338.0	9971.5	1337.2	9974.1	1336.2	9979.7	1336.2	10000.0	1336.9	10058.7
GR	1337.1	10073.5	1337.2	10073.9	1337.5	10077.0	1339.0	10084.9	1340.8	10092.8
GR	1340.3	10107.6	1340.3	10117.3	1340.4	10125.8	1340.8	10149.2		

ET		7.1	9.1				9832	10730	9965.5	10240.7
NH	9	.055	9885.1	.09	9893.9	.028	9957.2	.09	9965.5	.028
NH	10003	.09	10017.9	.055	10180	.028	10440	.055	10730	
X1	2.549	52	9965.5	10017.9	505	800	585			
GR	1349.5	9593.7	1349.1	9603.1	1345.9	9632.7	1343.9	9659.9	1343.9	9660.0
GR	1342.4	9673.7	1342.9	9683.8	1343.1	9689.3	1343.0	9695.8	1342.8	9720.8
GR	1343.0	9747.9	1344.3	9757.3	1344.8	9763.0	1346.6	9777.4	1348.2	9793.6
GR	1348.9	9802.7	1349.4	9832.7	1349.2	9843.7	1349.2	9843.8	1348.7	9871.7
GR	1344.3	9885.1	1342.8	9890.2	1342.4	9893.9	1342.2	9924.6	1341.9	9957.2
GR	1343.7	9964.5	1344.0	9965.5	1343.9	9966.4	1342.3	9988.2	1342.2	9989.8
GR	1342.4	9992.3	1342.6	10000.0	1343.2	10003	1344.4	10017.9	1344.0	10040
GR	1343.5	10130	1342.5	10180	1343	10200	1342	10215	1342	10230
GR	1343.3	10260	1344	10290	1344	10320	1342	10340	1342.5	10400
GR	1342	10430	1342	10440	1346	10450	1346	10460	1346	10530
GR	1348	10615	1350	10730						
NH	8	.055	9956.6	.09	9978.3	.028	10014.7	.09	10034.2	.055
NH	10190	.028	10290	.09	10305	.055	10710			
ET			9.1						9978.3	10253.0
X1	2.593	25	9978.3	10034.2	200	430	230			
GR	1354.7	9888.0	1354.9	9890.9	1350.6	9905.7	1344.7	9922.4	1345.5	9937.8
GR	1346.3	9956.6	1345.4	9978.3	1343.9	10000.0	1344.2	10014.7	1345.2	10023.9
GR	1346.4	10034.2	1345.9	10056.7	1345.8	10120	1345.0	10150	1346	10180
GR	1346.0	10190	1344.3	10220	1344.3	10240	1344.2	10290	1346	10305
GR	1346	10340	1345	10350	1346	10370	1348	10560	1350	10710
NH	4	.09	9966.6	.028	10074.6	.09	10129.1	.055	10831.3	
ET			9.1						9952.4	10186.2
X1	2.634	51	9944.8	10116.7	220	200	220			
GR	1355.4	9924.3	1355.4	9924.5	1355.6	9934.3	1351.8	9944.8	1345.7	9962.7
GR	1346.2	9966.6	1348.0	9994.3	1348.1	10000.0	1347.3	10019.4	1348.0	10051.4
GR	1348.0	10061.6	1347.9	10069.7	1347.8	10072.2	1347.8	10074.6	1347.8	10113.3
GR	1347.8	10115.2	1347.8	10116.7	1347.1	10129.1	1345.9	10160.8	1345.9	10168.2
GR	1346.8	10190.8	1347.9	10206.6	1347.8	10225.0	1347.7	10269.5	1348.6	10303.8
GR	1348.6	10311.1	1348.1	10347.7	1347.6	10401.0	1346.5	10410.8	1346.1	10416.9
GR	1348.7	10431.1	1349.4	10435.4	1349.4	10438.7	1349.2	10454.4	1348.1	10509.1
GR	1347.3	10518.7	1346.1	10532.4	1346.1	10532.5	1346.1	10532.9	1349.5	10559.4
GR	1349.0	10589.8	1348.9	10591.3	1348.9	10592.3	1348.9	10593.4	1349.4	10609.4
GR	1349.8	10691.7	1350.3	10717.2	1350.6	10740.2	1351.3	10783.9	1352.0	10814.0
GR	1351.8	10831.3								
NH	4	.09	9994.8	.028	10028.0	.09	10068.0	.055	10987.8	
ET			9.1						9989.4	10437.1
X1	2.730	50	9976.6	10050.4	505	350	505			
GR	1362.0	9963.0	1362.6	9965.4	1361.1	9967.4	1360.9	9974.8	1361.0	9975.3
GR	1360.9	9976.1	1360.6	9976.6	1349.6	9994.8	1347.8	9998.4	1347.8	10000.0
GR	1347.8	10028.0	1348.7	10034.0	1351.1	10050.4	1351.5	10068.0	1350.7	10069.8
GR	1351.0	10075.7	1351.2	10086.5	1350.7	10104.3	1351.2	10159.4	1350.9	10180.2
GR	1350.6	10218.4	1350.6	10260.0	1350.1	10282.3	1348.6	10287.9	1347.9	10298.3
GR	1348.7	10309.8	1350.0	10324.5	1350.5	10330.8	1350.6	10362.2	1350.7	10418.8
GR	1350.6	10447.2	1350.4	10510.4	1349.9	10538.5	1349.9	10581.1	1349.9	10612.5
GR	1350.0	10614.4	1349.9	10615.5	1348.3	10625.5	1351.0	10650.6	1351.1	10651.3
GR	1351.1	10652.7	1351.1	10658.7	1351.3	10771.8	1349.9	10820.8	1349.3	10838.7

GR	1349.8	10848.4	1350.5	10858.3	1351.8	10891.2	1352.2	10923.3	1353.0	10987.8
NH	4	.09	9996.4	.028	10020.5	.09	10063.1	.055	10943.7	
ET		7.1	9.1				9950.0	10643.5	9991.0	10305.4
X1	2.826	59	9990.3	10063.1	510	350	505			
GR	1372.3	9950.0	1370.3	9962.0	1368.4	9967.2	1363.4	9977.3	1359.4	9985.5
GR	1355.6	9990.3	1350.6	9996.4	1349.4	9997.8	1349.3	10000.0	1349.9	10014.6
GR	1351.0	10020.5	1354.0	10041.5	1354.7	10063.1	1355.0	10073.5	1354.3	10075.7
GR	1351.7	10082.6	1353.2	10108.7	1353.3	10119.0	1353.7	10130.9	1353.7	10169.5
GR	1353.8	10219.5	1353.8	10231.0	1353.8	10234.1	1353.5	10237.2	1351.9	10245.0
GR	1350.7	10250.5	1351.2	10254.0	1353.7	10269.8	1353.0	10281.4	1353.0	10290.5
GR	1353.8	10322.4	1353.9	10324.4	1353.9	10325.2	1353.0	10351.6	1353.3	10430.0
GR	1353.3	10437.0	1352.8	10443.2	1350.9	10465.6	1351.5	10479.5	1352.4	10500.0
GR	1352.2	10519.2	1352.2	10553.1	1353.9	10586.1	1354.4	10599.7	1354.5	10605.0
GR	1355.1	10643.5	1354.5	10670.7	1354.3	10686.6	1353.7	10706.3	1353.0	10733.6
GR	1353.0	10740.4	1352.0	10748.8	1351.8	10751.3	1352.4	10767.1	1353.1	10779.8
GR	1354.2	10860.8	1354.3	10877.7	1354.4	10886.8	1354.9	10943.7		
NH	5	.055	9941.9	.09	9957.8	.028	10005.6	.09	10022.2	.055
NH	10581									
ET		7.1	9.1				9717.3	10316.2	9941.9	10210.6
X1	2.919	48	9941.9	10022.2	400	430	490			
GR	1359.5	9717.3	1358.9	9724.5	1358.6	9738.2	1358.0	9774.6	1358.3	9801.3
GR	1357.9	9809.4	1357.2	9831.5	1355.9	9859.1	1355.6	9883.8	1355.6	9927.4
GR	1355.8	9941.9	1353.1	9957.8	1352.8	9958.7	1352.8	9958.7	1352.8	9985.6
GR	1352.8	9985.6	1352.8	10000.0	1353.8	10005.6	1353.6	10008.5	1356.2	10022.2
GR	1356.6	10027.4	1357.2	10029.7	1356.4	10074.3	1355.9	10156.3	1355.6	10181.5
GR	1355.6	10191.8	1355.1	10193.8	1352.8	10210.9	1353.0	10212.5	1355.2	10229.0
GR	1355.0	10240.3	1355.0	10261.1	1355.3	10281.0	1356.3	10302.6	1356.6	10309.9
GR	1356.9	10316.3	1356.4	10335.1	1356.1	10359.4	1356.4	10375.2	1355.2	10395.2
GR	1355.3	10396.7	1356.7	10426.8	1356.7	10429.4	1356.0	10509.2	1355.9	10527.8
GR	1356.2	10543.8	1357.9	10564.0	1359.0	10581				
NH	3	.055	9807.8	.032	10002.8	.055	10279.5			
ET			9.1						9800.5	10027.4
X1	3.014	55	9800.5	10027.4	470	450	500			
GR	1366.1	9480.0	1364.7	9524.0	1364.2	9554.8	1363.9	9566.0	1363.4	9580.3
GR	1362.1	9621.4	1361.7	9637.1	1360.9	9678.4	1360.4	9694.7	1360.4	9697.5
GR	1359.9	9713.0	1358.8	9751.2	1358.9	9774.0	1358.9	9782.3	1358.9	9786.1
GR	1358.9	9800.5	1356.8	9807.8	1356.1	9810.8	1356.1	9811.0	1356.1	9812.4
GR	1356.1	9812.5	1356.1	9813.4	1355.8	9901.5	1357.1	9909.7	1357.3	9911.5
GR	1357.0	9918.4	1356.1	9963.4	1356.3	9970.9	1356.2	10000.0	1356.3	10000.7
GR	1356.3	10002.8	1356.1	10008.0	1358.3	10027.4	1358.3	10027.5	1358.3	10027.5
GR	1358.0	10056.4	1358.3	10060.3	1358.3	10062.6	1358.3	10064.8	1358.5	10069.0
GR	1358.9	10079.4	1359.8	10084.8	1359.8	10095.1	1359.9	10119.0	1360.3	10139.3
GR	1360.3	10155.3	1360.5	10159.8	1361.7	10188.5	1362.2	10198.2	1363.5	10226.3
GR	1363.2	10228.6	1363.4	10229.8	1363.8	10237.8	1365.7	10256.0	1368.2	10279.5
NH	3	.055	9854.1	.032	9964.2	.055	10399.8			
ET		7.1	9.1				9743.6	10139.8	9851.5	9977.3

```
X1   3.109      57   9851.5   9977.3     550     470     500
GR  1366.1  9743.6  1365.7  9779.1  1365.5  9785.2  1365.4  9786.7  1364.6  9794.0
GR  1363.8  9807.6  1363.3  9820.2  1362.1  9826.5  1360.1  9832.4  1359.8  9832.8
GR  1360.0  9837.5  1360.3  9851.5  1359.5  9854.1  1358.5  9858.7  1358.0  9858.9
GR  1357.8  9860.2  1359.2  9881.1  1360.0  9909.4  1357.6  9939.2  1356.8  9956.7
GR  1356.9  9958.1  1356.9  9960.5  1357.2  9964.2  1360.9  9977.3  1361.7  9979.7
GR  1361.6  9982.9  1361.3  9992.4  1361.3 10000.0  1361.1 10066.0  1362.2 10139.8
GR  1362.2 10169.8  1360.0 10182.5  1360.0 10182.6  1360.0 10182.8  1360.1 10196.1
GR  1360.8 10201.5  1360.8 10202.9  1361.1 10216.3  1358.8 10218.7  1358.3 10220.8
GR  1358.6 10224.3  1359.4 10234.5  1360.2 10239.7  1361.5 10249.7  1361.9 10258.2
GR  1362.4 10266.5  1361.8 10274.8  1361.1 10287.1  1362.6 10295.4  1362.8 10297.2
GR  1363.2 10318.1  1363.3 10324.9  1363.2 10327.0  1362.4 10358.9  1363.3 10386.9
GR  1363.9 10396.5  1363.9 10399.8

NH      3    .055   9951.3    .032 10055.8    .055 10690.5
ET           7.1     9.1                  9839.6 10308.5  9933.1 10006.6
X1   3.190      58   9933.1  10006.6     440     390     430
GR  1370.3  9839.6  1368.7  9850.4  1366.2  9861.7  1366.2  9865.3  1366.3  9876.8
GR  1365.7  9900.1  1365.5  9905.4  1365.3  9913.7  1364.8  9933.1  1359.2  9951.3
GR  1355.9  9961.1  1358.3  9973.8  1359.4  9980.2  1359.4  9985.8  1359.4  9997.8
GR  1359.8 10000.0  1361.0 10006.6  1361.1 10006.9  1362.8 10044.1  1362.9 10055.8
GR  1362.8 10076.6  1364.2 10084.3  1364.6 10089.7  1365.1 10308.5  1365.1 10308.6
GR  1365.1 10308.6  1365.1 10308.6  1365.1 10308.7  1365.1 10308.7  1365.1 10308.7
GR  1365.1 10308.8  1365.1 10309.2  1363.3 10444.0  1362.9 10446.6  1361.7 10453.8
GR  1361.3 10468.5  1361.1 10479.0  1361.1 10481.5  1361.1 10482.4  1361.2 10483.0
GR  1362.8 10490.6  1362.8 10495.8  1362.9 10502.6  1362.5 10503.7  1361.7 10506.1
GR  1361.7 10509.5  1362.1 10523.9  1362.8 10525.3  1364.3 10533.2  1364.2 10547.2
GR  1364.3 10556.7  1364.1 10561.8  1363.3 10581.7  1363.5 10586.0  1364.2 10602.0
GR  1364.5 10638.1  1365.0 10666.2  1365.6 10690.5

NC    .032    .032    .032
ET           7.1     9.1                  9971.3 10028.7  9971.3 10028.7
     THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
     EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
     FLOW  TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.
     FLOODWAY ENCROACHMENT TERMINATED FROM THIS SECTION UPSTREAM TO
     SECTION 3.696.THE CAP OVERCHUTE SPILLWAY AND THE STORAGE PONDING
     UPSTREAM OF THE OVERCHUTE TO SEC. 3.696. PROVIDE ATTENUATION OF PEAK
     DISCHARGES AND THEREFORE NO FLOODWAY ENCROACHMENT WAS UTILIZED
     WHICH WOULD ALLOW REDUCTION OF STORAGE VOLUME.
X1   3.247      33   9979.0  10023.2     315     280     315
GR  1370.9  9807.4  1370.6  9816.7  1370.7  9829.3  1369.6  9853.3  1369.1  9866.4
GR  1367.9  9892.5  1367.4  9904.5  1365.2  9930.7  1362.8  9959.2  1360.9  9973.8
GR  1360.9  9979.0  1360.6  9984.4  1360.0  9999.8  1360.0 10000.0  1360.0 10000.0
GR  1360.0 10000.0  1360.5 10023.2  1360.6 10030.3  1361.1 10031.8  1361.3 10033.9
GR  1364.1 10050.4  1364.7 10054.9  1364.7 10060.6  1365.6 10074.3  1365.6 10081.8
GR  1367.1 10115.4  1367.2 10116.6  1369.2 10149.3  1369.2 10149.6  1369.3 10152.8
GR  1369.4 10156.9  1371.9 10194.8  1371.6 10206.2
```

```
NC      .03       .03       .03        .3        .5
        BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR
        THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.
X1    3.251         4    9976.3   10023.7        20        20        20
GR     1367    9976.3      1361    9976.3      1361   10023.7      1367   10023.7

        THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
        WITHIN 47.33 FOOT WIDE SPILLWAY.
        BAFFLE BLOCKS ARE 5.67 FOOT WIDE  X 3.8 FOOT HIGH (NORMAL TO FLOOR)
        BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
        ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
        EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
        SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.
X1    3.253        20    9976.3   10023.7      13.5      13.5      13.5
GR   1369.4    9976.3    1358.4    9976.4    1358.4    9980.1    1362.1    9980.1    1362.1    9985.8
GR   1358.4    9985.8    1358.4    9991.4    1362.1    9991.4    1362.4    9997.1    1358.4    9997.1
GR   1358.4   10002.8    1362.1   10002.8    1362.1   10008.5    1358.4   10008.5    1358.4   10014.1
GR   1362.1   10014.1    1362.1   10019.8    1358.4   10019.8    1358.4   10023.7    1369.4   10023.7

X1    3.254         0         0         0       7.3       7.3       7.3                 3.0

X1    3.256         0         0         0       7.3       7.3       7.3                 3.0

X1    3.257         0         0         0       7.3       7.3       7.3                 3.1

        THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.
X1    3.259         0         0         0       7.3       7.3       7.3                 3.0

        THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.
X1   3.2591         4    9976.3   10023.7         2         2         2
GR   1380.3    9976.3    1371.0    9976.3    1371.0   10023.7    1380.3   10023.7

NC     .013      .013      .013
        THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
        DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).
X1   3.2593         4    9976.3   10023.7        .1        .1        .1
GR   1380.3    9976.3   1369.37    9976.3   1369.37   10023.7    1380.3   10023.7

        THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.
X1    3.262         0         0         0      14.7      14.7      14.7

        END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
        WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.
X1    3.264         4    9976.3   10023.7      12.5      12.5      12.5
GR   1380.3    9976.3    1373.3    9976.3    1373.3   10023.7    1380.3   10023.7

X1    3.267         0         0         0      11.9      11.9      11.9
```

```
X1    3.269        0        0        0       11.9       11.9       11.9

X1    3.273        0        0        0       23.8       23.8       23.8

        END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.
X1    3.282        0        0        0       47.7       47.7       47.7

X1    3.284        4   9973.2  10026.9        6.3        6.3        6.3
GR   1380.7   9973.2   1373.3   9973.2   1373.3  10026.9   1380.7  10026.9

X1    3.285        4   9970.1  10030.0        6.2        6.2        6.2
GR   1381.1   9970.1   1373.3   9970.1   1373.3  10030.0   1381.1  10030.0

        END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
        INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
        END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
        HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).
X1    3.287        4   9963.8  10036.2       12.5       12.5       12.5
GR   1381.8   9963.8   1373.3   9963.8   1373.3  10036.2   1381.8  10036.2

NC    .035     .035      .03
X1    3.291        4   9953.8  10046.2       22.1       22.1       22.1
GR    1383   9934.4   1373.3   9953.8   1373.3  10046.2       1383  10065.6

X1    3.299        4   9955.3  10046.7       38.4       38.4       38.4
GR    1383   9925.9   1373.3   9955.3   1373.3  10046.7       1383  10074.1

X1    3.302        4   9933.4  10067.7         20         20         20
GR    1383   9896.7   1373.3   9933.4   1373.3  10067.7       1383  10103.4

        END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.
X1    3.306        4   9901.5  10098.6       19.5       19.5       19.5
GR    1383   9830.5   1373.3   9901.5   1373.3  10098.6       1383  10169.6

NC    .055     .055     .032       .1        .3
QT       2     4957     4957
ET                      9.1                                          9396.97  10496.72
        100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
        HEC-1 CONC. PT. I.D.=C90I.  (D.A.=26.14 SQ. MI.)
X1    3.328       69   9975.0  10374.7         90         90         90
GR   1386.5   9047.5   1383.8   9064.5   1383.7   9067.2   1383.5   9116.0   1383.6   9149.1
GR   1383.9   9178.3   1384.3   9227.9   1384.2   9236.2   1384.4   9246.6   1383.5   9319.2
GR   1383.5   9332.8   1382.9   9367.5   1382.8   9376.5   1382.7   9383.3   1382.2   9394.9
GR   1381.1   9432.9   1381.1   9483.4   1381.1   9495.1   1381.6   9517.8   1381.7   9531.6
GR   1381.5   9553.3   1381.1   9586.3   1381.1   9626.0   1379.4   9679.0   1378.5   9717.4
GR   1377.9   9742.2   1377.7   9767.3   1376.6   9794.1   1375.9   9837.5   1375.9   9858.0
GR   1375.4   9870.2   1375.1   9887.6   1374.9   9897.7   1374.0   9923.4   1373.8   9942.1
GR   1373.3   9961.7   1373.8   9975.0   1372.8   9997.2   1372.6  10000.0   1372.8  10037.2
GR   1372.8  10040.7   1372.8  10049.7   1373.3  10103.2   1373.7  10139.1   1373.7  10159.9
GR   1373.7  10210.2   1373.6  10216.9   1372.8  10256.1   1372.8  10271.2   1372.5  10274.9
GR   1371.2  10294.2   1371.1  10295.1   1371.1  10295.4   1371.7  10324.9   1371.7  10329.4
GR   1371.9  10351.6   1372.6  10374.7   1372.6  10381.1   1373.1  10389.7   1373.2  10396.1
GR   1373.1  10401.1   1376.3  10425.2   1381.4  10480.0   1381.4  10484.8   1384.2  10529.9
```

```
GR   1384.6   10540.8    1384.9   10546.2     1388.7    10592.0     1389.9    10614.8

NH       5     0.055    9598.7      .065     9990.6        .04    10007.3       .065    10261.4       .055
NH   10720
ET                         9.1                                                          9307.99   10703.52
      SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
      MINIMAL GRADING;
X1   3.418        57    9729.0   10007.3        460        465        475
GR   1384.0      9285    1378.6    9352.8     1377.8     9360.0     1377.4     9366.5     1375.9     9432.9
GR   1375.6    9459.3    1374.9    9489.5     1373.9     9576.9     1373.9     9597.3     1374.8     9598.7
GR   1374.2    9626.5    1373.4    9723.2     1373.3     9729.0     1373.3     9735.1     1373.8     9866.0
GR   1374.0    9883.1    1374.1    9884.5     1375.4     9973.2     1375.5     9985.5     1375.6     9990.6
GR   1375.3   10000.0    1375.0   10007.3     1375.0    10086.6     1374.9    10138.8     1375.0    10147.9
GR   1375.0   10211.4    1374.9   10214.8     1373.9    10241.4     1373.9    10241.4     1373.9    10241.6
GR   1374.3   10251.8    1374.2   10258.6     1373.8    10260.9     1374.0    10261.4     1374.1    10265.7
GR   1375.6   10299.9    1375.7   10302.5     1376.0    10306.3     1377.9    10348.8     1378.0    10353.9
GR   1378.0   10358.4    1378.9   10403.7     1378.9    10409.9     1378.9    10454.2     1379.0    10459.8
GR   1379.0   10465.3    1378.0   10533.3     1378.0    10539.5     1377.9    10545.0     1377.4    10592.6
GR   1377.2   10596.8    1377.3   10601.5     1377.8    10640.5     1378.0    10649.4     1380.1     10678
GR    1382     10702      1384     10720

NH       5      .055    9582.9      .065     9987.0       .040    10000.0       .065    10238.0       .055
NH   10295
ET                         9.1                                                          9257.05   10286.38
X1   3.507        33    9582.9   10055.4        550        470        470
GR   1390.8    9199.9    1388.8    9209.9     1383.9     9246.1     1382.4     9254.7     1382.2     9257.0
GR   1381.9    9265.2    1379.3    9406.7     1379.1     9426.1     1378.9     9453.8     1377.6     9582.9
GR   1376.4    9628.0    1376.6    9677.2     1376.7     9683.6     1376.7     9686.2     1376.8     9687.2
GR   1376.7    9706.5    1376.8    9756.3     1377.8     9851.0     1378.3     9903.0     1377.8     9939.1
GR   1377.8    9970.3    1377.9    9987.0     1377.9    10000.0     1378.5    10055.4     1377.8    10120.7
GR   1377.8   10126.5    1377.2   10201.6     1377.5    10238.0     1377.3    10242.8     1377.1    10253.0
GR   1377.2   10265.0    1377.3   10265.3     1384.2      10295

NH       5      .055    9641.5      .065     9965.8        .04    10000.0       .065    10033.8       .055
NH   10082
ET                         9.1                                                          9299.15   10039.67
X1   3.601        33    9641.5   10023.3        430        460        495
GR   1390.2    9194.9    1386.3    9240.6     1382.8     9289.2     1381.5     9338.5     1379.9     9406.8
GR   1381.6    9519.8    1381.7    9522.7     1380.6     9581.4     1380.6     9585.7     1380.6     9587.5
GR   1380.6    9604.9    1380.6    9641.5     1380.3     9685.2     1380.7     9742.5     1380.5     9833.4
GR   1380.4    9871.3    1380.9    9879.1     1381.2     9900.9     1381.1     9911.1     1381.5     9965.8
GR   1380.4    9988.7    1379.8   10000.0     1379.8    10017.6     1380.0    10020.5     1380.5    10023.3
GR   1381.1   10033.8    1384.7   10048.5     1384.6    10051.8     1385.9    10060.8     1386.4    10066.0
GR   1388.5   10075.1    1388.7   10079.7     1388.9      10082

NH       5      .055    9807.7       .09     9850.8       .028    10000.0        .09    10010.3       .055
NH   10266
ET                         9.1                                                          9850.8    10218.4
      FLOODWAY ENCROACHMENT CONTINUED UPSTREAM OF THIS SECTION.
X1   3.696        45    9850.8   10218.4        465        480        500
GR   1393.9    9286.6    1393.5    9294.9     1392.0     9318.9     1390.6     9341.9     1390.5     9342.5
GR   1390.5    9342.5    1390.5    9342.7     1387.5     9358.3     1386.7     9361.6     1386.1     9375.9
GR   1386.3    9377.9    1385.6    9395.6     1385.6     9403.0     1385.6     9472.8     1385.6     9493.5
GR   1384.8    9533.7    1384.2    9595.3     1384.0     9608.6     1383.9     9613.7     1383.7     9626.2
```

GR	1383.1	9646.0	1384.0	9700.2	1384.6	9807.7	1384.6	9845.3	1383.6	9850.8
GR	1382.9	9856.1	1383.2	9869.1	1382.8	9952.6	1382.9	9985.2	1382.8	10000.0
GR	1384.0	10008.3	1384.3	10010.3	1383.6	10105.4	1383.3	10144.7	1382.7	10182.5
GR	1382.8	10204.2	1382.4	10213.6	1382.6	10214.0	1382.8	10218.4	1383.9	10222.1
GR	1390.6	10244.7	1391.9	10248.3	1391.9	10249.0	1392.3	10253.2	1391.8	10266
NH	9	.055	9848.2	.09	9879.5	.028	9896.9	.09	9923.3	.055
NH	9984.3	.09	10000.0	.028	10034.5	.09	10089.8	.055	10393.6	
ET			9.1						9858.2	10320.3
X1	3.791	65	9858.2	10320.3	440	410	500			
GR	1395.9	9204.4	1395.7	9205.9	1395.3	9208.4	1393.6	9229.8	1392.4	9235.7
GR	1391.7	9242.3	1390.6	9254.7	1389.9	9256.8	1389.3	9286.9	1389.1	9294.8
GR	1389.0	9301.5	1387.9	9391.5	1387.2	9486.9	1387.2	9488.2	1387.3	9492.4
GR	1388.1	9527.3	1388.4	9530.8	1388.0	9564.1	1387.8	9568.2	1387.9	9572.5
GR	1388.1	9594.3	1388.7	9603.7	1389.0	9608.3	1388.9	9646.8	1388.7	9704.0
GR	1388.6	9721.0	1388.5	9775.4	1388.4	9848.2	1388.4	9858.2	1388.1	9861.7
GR	1386.6	9879.5	1386.7	9896.7	1386.7	9896.8	1386.7	9896.9	1386.9	9916.3
GR	1387.8	9923.3	1388.9	9937.8	1388.9	9949.0	1388.2	9973.5	1387.8	9984.3
GR	1387.5	9991.8	1387.2	10000.0	1386.3	10025.2	1386.1	10034.5	1386.1	10068.2
GR	1387.1	10089.8	1387.6	10099.3	1387.8	10104.8	1387.6	10142.1	1387.9	10159.1
GR	1387.6	10186.2	1386.7	10198.3	1386.1	10206.0	1387.2	10226.9	1387.2	10227.5
GR	1387.2	10229.9	1386.7	10259.0	1386.6	10271.7	1387.2	10320.3	1387.3	10320.7
GR	1394.4	10355.4	1398.0	10376.9	1400.2	10390.9	1400.3	10392.7	1400.4	10393.6
NH	7	.055	9670.5	.028	9708.4	.055	9965.1	.09	9990.0	.028
NH	10005	.09	10014.8	.05	10122.7					
ET			9.1						9639.3	10014.8
X1	3.888	64	9639.3	10014.8	430	570	510			
GR	1399.2	8811.4	1397.2	8818.9	1396.2	8830.3	1396.3	8837.0	1396.0	8841.1
GR	1395.4	8857.7	1394.6	8889.0	1392.9	8968.8	1392.7	8995.2	1392.7	9015.3
GR	1392.7	9018.6	1392.7	9023.9	1392.4	9055.0	1392.5	9079.5	1392.5	9122.7
GR	1392.8	9175.6	1392.9	9189.6	1392.7	9198.0	1391.9	9223.7	1392.1	9239.7
GR	1392.3	9265.5	1392.3	9309.2	1392.4	9337.2	1392.5	9410.4	1392.4	9433.8
GR	1391.7	9515.3	1391.6	9523.1	1391.7	9532.8	1392.0	9608.8	1392.1	9618.9
GR	1391.0	9639.3	1390.2	9654.8	1390.9	9668.0	1391.0	9670.5	1391.0	9673.2
GR	1390.6	9691.1	1390.2	9708.4	1390.2	9718.3	1391.3	9734.4	1391.8	9738.9
GR	1391.7	9761.1	1391.6	9786.2	1390.9	9825.6	1390.7	9844.3	1390.8	9850.5
GR	1391.7	9892.1	1390.7	9909.5	1391.3	9965.1	1391.7	9976.3	1390.7	9981.5
GR	1389.1	9990.0	1389.4	10000.0	1389.4	10005.0	1391.3	10010.9	1392.0	10014.8
GR	1391.2	10044.9	1391.4	10051.5	1390.9	10057.9	1390.4	10068.3	1390.0	10090.8
GR	1390.0	10091.5	1390.9	10094.1	1398.3	10114.7	1398.9	10122.7		
NH	7	.055	9823.3	.028	9856.1	.055	9974.9	.09	9984.4	.028
NH	10000	.09	10022.7	.055	10072.2					
ET			9.1						9674.4	10041.8
X1	3.984	57	9674.4	10041.8	380	520	505			
GR	1402	8955	1400	8965	1398	8975	1396.1	9010	1396	9043
GR	1396	9046.0	1395.8	9090.6	1395.8	9102.7	1395.2	9165.9	1395.2	9214.2
GR	1395.0	9259.9	1395.0	9263.5	1394.8	9265.4	1395.7	9291.5	1395.2	9328.3
GR	1395.2	9383.4	1395.9	9450.4	1395.3	9472.1	1395.6	9530.2	1395.8	9559.5
GR	1395.9	9595.6	1395.2	9634.1	1394.4	9674.4	1393.7	9679.8	1392.8	9687.2
GR	1393.8	9699.0	1394.6	9705.7	1394.7	9720.5	1394.8	9729.3	1395.1	9750.2
GR	1395.2	9756.2	1395.0	9762.5	1394.7	9766.5	1393.7	9774.1	1394.0	9788.1
GR	1393.9	9803.6	1393.5	9814.5	1393.3	9823.3	1393.1	9846.2	1392.9	9856.1

GR	1395.2	9875.8	1396.1	9881.5	1396.1	9886.4	1395.6	9898.0	1395.1	9913.3
GR	1394.9	9916.6	1394.4	9934.3	1394.9	9952.2	1395.2	9974.9	1394.3	9984.4
GR	1393.1	10000	1392.3	10022.7	1392.3	10026.3	1392.5	10028.3	1394.2	10041.8
GR	1405.1	10063.7	1409.1	10072.2						
NH	5	.055	9923.9	.09	9963.4	.028	10003.3	.09	10038.3	.055
NH	10325									
ET			9.1						9785	10040
X1	4.080	62	9822.5	10038.3	350	505	505			
GR	1402	9233	1400	9258	1398	9280	1397.8	9292.7	1397.6	9369.8
GR	1397.7	9397.9	1397.9	9420.2	1397.4	9444.6	1397.0	9453.4	1397.0	9463.4
GR	1397.2	9474.6	1397.9	9580.1	1397.9	9600.3	1397.9	9615.3	1397.9	9694.6
GR	1397.2	9757.3	1397.2	9761.1	1397.2	9763.8	1397.1	9766.3	1396.7	9822.5
GR	1395.6	9830.6	1394.7	9838.6	1395.9	9849.7	1396.8	9860.9	1397.6	9891.6
GR	1397.8	9910.5	1397.3	9923.9	1396.5	9952.5	1395.4	9963.4	1394.1	9978.5
GR	1393.9	10000.0	1393.9	10003.3	1394.3	10005.3	1397.2	10021.5	1397.2	10038.3
GR	1397.1	10042.2	1397.3	10045.7	1397.8	10056.8	1397.5	10077.1	1397.2	10102.4
GR	1397.0	10107.3	1396.6	10118.8	1396.3	10129.6	1396.3	10131.5	1396.1	10134.6
GR	1396.6	10151.0	1397.1	10158.3	1397.2	10161.3	1397.2	10201.3	1396.1	10209.9
GR	1395.6	10213.3	1396.6	10231.1	1396.7	10233.6	1396.7	10234.0	1396.8	10236.4
GR	1398.3	10264.4	1398.0	10266.7	1398.0	10274.8	1398.7	10298.9	1399.6	10303.1
GR	1400.4	10307.6	1401.1	10325						
NH	5	.055	9953.4	.09	9989.3	.028	10021.1	.09	10048.9	.055
NH	10597									
ET			9.1						9804.0	10164.9
X1	4.178	70	9804.0	10048.9	375	615	515			
GR	1406	9415	1404	9440	1402	9470	1401.9	9486.3	1401.8	9496.6
GR	1400.7	9587.4	1400.5	9625.6	1400.5	9635.2	1401.5	9668.3	1400.8	9671.1
GR	1400.9	9673.2	1400.9	9677.8	1400.9	9708.5	1401.6	9715.6	1401.4	9761.2
GR	1401.3	9766.1	1401.1	9775.2	1400.6	9799.1	1400.4	9804.0	1397.8	9836.5
GR	1397.8	9836.5	1400.0	9859.6	1400.5	9864.1	1400.4	9868.4	1400.2	9898.6
GR	1400.3	9905.1	1400.2	9932.5	1399.8	9933.3	1399.1	9940.3	1399.8	9953.4
GR	1400.2	9958.5	1400.2	9961.9	1400.1	9976.1	1398.9	9989.3	1397.7	10000.0
GR	1397.1	10021.1	1396.8	10033.0	1397.1	10034.8	1400.6	10048.9	1400.6	10050.6
GR	1400.8	10078.2	1399.6	10141.4	1399.5	10151.9	1399.7	10158.8	1400.9	10196.3
GR	1401.0	10213.6	1400.9	10226.7	1400.9	10243.7	1401.0	10296.5	1401.0	10301.1
GR	1400.7	10314.0	1400.2	10337.9	1401.7	10372.9	1401.7	10374.0	1401.5	10375.5
GR	1400.2	10387.9	1399.9	10393.4	1400.0	10427.4	1400.1	10428.4	1400.2	10431.7
GR	1400.6	10438.0	1401.0	10453.9	1401.5	10488.8	1401.7	10505.9	1401.8	10514.0
GR	1402.7	10522.1	1403.3	10529.5	1404.3	10537.4	1408.0	10581.9	1409.9	10597
NH	5	.055	9956.7	.09	10000.0	.028	10033.2	.09	10052.1	.055
NH	10948									
ET			9.1						9918.2	10131.1
X1	4.273	66	9918.2	10052.1	350	600	500			
GR	1411.1	9684.3	1410.8	9691.8	1409.1	9721.9	1406.8	9735.6	1406.9	9741.6
GR	1406.4	9773.1	1406.4	9774.5	1406.1	9798.3	1406.4	9806.0	1406.3	9811.6
GR	1405.6	9904.8	1405.4	9911.5	1404.5	9918.2	1402.6	9932.6	1401.8	9942.3
GR	1401.7	9943.5	1402.3	9956.7	1402.8	9971.3	1403.6	9979.9	1402.4	9987.0
GR	1400.9	10000.0	1400.1	10029.8	1400.0	10033.2	1400.5	10037.2	1402.8	10052.1
GR	1403.4	10113.7	1403.7	10168.1	1404.7	10220.4	1404.9	10231.3	1404.8	10242.6
GR	1404.5	10260.6	1404.7	10274.5	1405.2	10312.5	1405.5	10339.9	1405.6	10347.6
GR	1405.5	10349.0	1404.3	10389.8	1404.4	10407.8	1404.6	10421.8	1404.1	10442.1

```
GR  1403.7   10460.4   1404.5   10499.0   1404.8   10517.4   1404.8   10528.5   1405.0   10533.2
GR  1404.8   10537.0   1404.4   10555.7   1404.0   10585.4   1403.7   10589.3   1403.8   10592.8
GR  1404.4   10599.3   1403.7   10614.1   1405.8   10691.0   1406.1   10698.5   1406.3   10707.8
GR  1406.4   10720.6   1406.8   10749.3   1407.0   10774.8   1407.2   10787.8   1407.1   10789.5
GR  1407.4   10791.7   1407.5   10798.1   1409.4   10855.2   1409.7   10870.7   1409.6   10928.5
GR  1409.7   10948

NH      5      .055   9960.5       .09   9975.0      .028   10000.0       .09   10027.8      .055
NH  10890
ET                      9.1                                                    9960.5   10265.5
X1  4.368        56   9960.5   10027.8       420       500       500
GR  1419.9   9698.4   1419.7   9703.2   1417.6   9725.1   1415.6   9770.8   1415.6   9774.1
GR  1413.7   9821.6   1413.2   9832.6   1413.1   9844.5   1413.4   9865.1   1413.9   9888.1
GR  1413.9   9894.9   1414.4   9907.6   1414.0   9910.0   1408.1   9940.4   1407.4   9960.5
GR  1407.2   9967.1   1404.5   9975.0   1403.8   9977.6   1403.7   9984.0   1403.3   10000.0
GR  1404.9   10014.2  1407.1   10027.8  1406.9   10057.0  1407.0   10088.3  1408.0   10131.4
GR  1408.4   10152.8  1408.5   10180.7  1408.2   10249.9  1407.4   10260.0  1407.2   10262.6
GR  1407.2   10264.8  1407.2   10277.5  1407.2   10283.9  1407.1   10286.2  1407.4   10289.5
GR  1409.2   10321.1  1409.5   10342.3  1409.5   10342.4  1409.0   10376.5  1408.9   10394.9
GR  1408.9   10415.2  1408.7   10469.5  1408.7   10482.5  1408.7   10545.5  1408.7   10567.1
GR  1408.7   10611.5  1408.7   10648.5  1408.7   10672.3  1408.1   10687.4  1408.1   10693.6
GR  1408.2   10746.7  1408.7   10776.8  1408.5   10785.8  1408.8   10805.6     1410  10840.2
GR     1412  10890

NH      5      .055   9965.2       .09   9988.3      .028   10017.4       .09   10040.2      .055
NH  10998
ET                      9.1                                                    9965.2   10245.8
X1  4.464        59   9965.2   10040.2       550       365       505
GR  1417.0   9659.3   1415.8   9665.1   1415.3   9674.2   1412.8   9737.5   1412.8   9737.8
GR  1412.8   9737.8   1412.8   9737.9   1412.8   9738.2   1411.9   9807.3   1411.4   9817.1
GR  1410.6   9833.9   1411.2   9846.8   1412.1   9862.9   1411.7   9879.2   1411.1   9896.3
GR  1410.5   9906.8   1409.4   9925.0   1409.4   9951.0   1409.4   9965.2   1408.1   9974.0
GR  1406.1   9988.3   1406.1   10000.0  1406.1   10017.4  1407.7   10027.0  1410.3   10040.2
GR  1410.9   10052.0  1410.0   10098.0  1410.0   10098.8  1410.5   10128.1  1410.6   10131.3
GR  1410.6   10136.8  1410.7   10179.3  1409.7   10197.7  1409.0   10221.0  1409.3   10225.4
GR  1409.1   10232.3  1409.5   10245.3  1411.1   10293.7  1411.7   10310.8  1411.7   10366.8
GR  1411.6   10409.1  1411.5   10468.7  1411.2   10510.8  1411.0   10572.7  1410.6   10636.8
GR  1410.7   10639.4  1410.6   10674.6  1410.8   10713.5  1410.6   10733.7  1410.5   10747.3
GR  1410.9   10772.6  1412.0   10846.6  1412.1   10880.3  1412.1   10913.7  1412.4   10951.3
GR  1412.8   10964.5  1415.1   10989.1  1415.5   10994.5  1415.7   10998

NH      5      .055   9973.1       .09   10000.0     .028   10028.2       .09   10051.5      .055
NH  10430
QT      2      4555      4555
ET                      9.1                                                    9859.8   10089.5
        INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1  4.541        46   9973.1   10051.5       390       300       406
GR  1418.4   9476.0   1417.8   9488.0   1417.0   9506.2   1415.3   9559.1   1414.5   9603.3
GR  1414.4   9609.1   1414.3   9613.8   1414.1   9626.5   1413.3   9670.8   1413.0   9683.2
GR  1412.5   9704.9   1411.9   9721.9   1412.9   9745.9   1413.0   9758.7   1412.8   9775.1
GR  1412.3   9784.2   1413.1   9807.5   1413.3   9813.5   1413.2   9814.0   1412.0   9835.9
GR  1411.7   9854.5   1411.4   9882.6   1411.2   9889.3   1411.1   9894.6   1411.4   9903.4
GR  1411.8   9909.6   1412.2   9954.9   1412.2   9973.1   1410.1   9988.5   1408.9   10000.0
GR  1408.6   10015.0  1408.3   10028.2  1410.9   10049.7  1411.1   10051.5  1411.8   10074.0
```

```
GR   1411.9    10078.6    1412.0    10087.8    1412.8    10121.6    1412.7    10176.8    1412.7    10178.6
GR   1412.7    10181.5    1413.0    10242.5    1412.6      10270    1412.7      10300      1414      10360
GR     1416      10430

NH        7       .055    9972.9       .09    9995.3       .028   10020.8       .09   10040.1       .028
NH    10065        .09   10083.8       .055   10202.4
ET                          9.1                                                          9910      10066
X1    4.635         42    9972.9      10065       450        515       495
GR   1421.6     9485.1    1418.1     9515.8    1416.7     9527.5    1416.7     9530.3    1417.6     9596.6
GR   1417.9     9617.7    1416.7     9651.0    1416.1     9669.5    1416.3     9685.3    1416.7     9710.8
GR   1416.3     9728.8    1416.0     9734.3    1415.6     9743.6    1415.1     9753.7    1415.1     9757.6
GR   1415.6     9772.7    1415.6     9793.3    1416.1     9869.3    1416.1     9872.9    1415.5     9903.0
GR   1415.1     9911.5    1415.1     9919.5    1415.6     9972.6    1415.6     9972.7    1415.6     9972.9
GR   1411.2     9995.3    1411.6     9999.6    1414.1    10020.8    1413.7    10024.7    1412.5    10040.1
GR   1412.4    10042.7    1412.2    10045.3    1412.3    10046.3    1414.4       10065    1414.1    10083.8
GR   1413.9    10087.5    1413.9    10094.1    1414.3    10132.4    1416.2    10141.6    1417.3    10149.2
GR   1418.4    10160.8    1422.6    10202.4

NH        5       .055    9943.6       .09    9965.4       .028   10010.4       .09   10025.3       .055
NH    10396
ET                          9.1                                                          9849.9    10133.8
X1    4.731         52    9943.6     10025.3       400        550       505
GR   1424.3     9586.0    1424.4     9588.3    1424.4     9591.2    1423.9     9593.0    1421.7     9614.1
GR   1421.2     9624.2    1421.5     9640.4    1421.5     9653.5    1422.7     9677.0    1422.7     9678.1
GR   1422.7     9678.9    1419.7     9705.3    1419.8     9711.4    1419.9     9714.2    1419.9     9717.2
GR   1419.8     9739.0    1419.4     9753.6    1418.9     9774.1    1418.9     9774.6    1418.9     9774.8
GR   1419.4     9788.1    1419.1     9809.5    1419.2     9859.0    1419.2     9901.3    1419.4     9924.8
GR   1419.4     9943.6    1417.7     9952.3    1414.6     9965.4    1414.4    10000.0    1414.4    10010.4
GR   1414.9    10012.8    1417.8    10025.3    1417.6    10038.4    1417.5    10076.9    1417.7    10082.1
GR   1416.9    10095.6    1416.7    10113.0    1418.4    10148.8    1418.8    10157.9    1418.9    10161.5
GR   1418.6    10169.7    1418.5    10178.4    1418.3    10181.9    1421.2    10228.8    1421.7    10237.0
GR   1421.6    10239.3    1420.6    10296.8    1420.8    10338.7    1422.6    10373.8    1422.7    10374.6
GR   1423.3    10380.7    1425.0      10396

NH        5       .055    9959.3       .09    9974.2       .028   10012.1       .09   10067.7       .055
NH    10369
ET                  7.1       9.1                                    9956.0      10369    9965.5    10148.0
      ENCROACHMENT (ET RECORD) USED TO BLOCK OUT INEFFECTIVE FLOW AREA
      FOR FLOODPLAIN ANALYSIS (FILE:D6WH6).FOR EQUAL CONVEYANCE FLOODWAY
      (ET RECORD-METHOD 4) THE GR PTS WERE DELETED OUTSIDE INEFF. BYD.
      TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA.
X1    4.827         21    9959.3     10067.7       450        560       505
GR   1428.3     9902.1    1429.3     9926.3    1429.4     9929.3    1429.8     9956.0    1428.1     9959.3
GR   1418.5     9974.2    1418.5    10000.0    1418.6    10012.1    1420.5    10027.9    1421.3    10035.8
GR   1420.3    10067.7    1419.9    10081.8    1419.9    10097.4    1421.0    10163.1    1421.6    10175.1
GR   1424.3    10246.2    1424.2    10255.5    1424.4    10263.9    1424.2    10323.2    1424.3    10342.1
GR   1424.4      10369

NH        5       .055    9993.2       .09   10000.0       .028   10024.3       .09   10037.8       .055
NH    10463
ET                  7.1       9.1                                    9875.6      10463    9990.0    10181.8
```

PER SECTION 4.827 COMMENTS, GR PTS OUTSIDE INEFF. AREA ENCROACHMENT
WERE DELETED TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA

X1	4.918	31	9993.2	10075.8	500	370	480			
GR	1431.7	9875.6	1431.5	9876.8	1430.4	9881.5	1425.5	9899.7	1424.9	9902.4
GR	1424.5	9905.3	1424.3	9914.5	1424.1	9951.9	1424.9	9981.5	1424.9	9990.4
GR	1424.0	9993.2	1421.1	10000.0	1420.9	10009.3	1420.6	10024.3	1422.0	10036.0
GR	1422.3	10037.8	1422.8	10058.4	1422.6	10059.2	1422.9	10060.3	1424.4	10075.8
GR	1423.7	10117.5	1423.5	10124.0	1423.5	10139.3	1423.3	10198.8	1425.4	10231.3
GR	1427.3	10264.8	1427.0	10307.8	1426.8	10324.3	1426.9	10372.0	1426.7	10442.3
GR	1427.2	10463								
NH	5	.055	9983.6	.09	9999.5	.028	10024.8	.09	10043.2	.055
NH	10567									
ET			9.1						9892.0	10100.1
X1	5.011	39	9983.6	10043.2	525	390	490			
GR	1434.2	9692.0	1430.2	9722.8	1428.7	9752.4	1428.3	9760.2	1428.2	9768.2
GR	1427.5	9808.1	1427.6	9824.4	1428.0	9839.9	1427.2	9870.8	1426.4	9884.7
GR	1426.7	9890.9	1427.0	9924.0	1426.9	9951.1	1426.7	9968.7	1427.1	9983.6
GR	1423.3	9999.5	1423.3	9999.6	1423.3	10000.0	1423.9	10024.8	1425.2	10031.5
GR	1427.0	10043.2	1426.8	10126.7	1426.7	10134.2	1426.7	10136.6	1426.9	10139.3
GR	1428.3	10161.2	1428.9	10258.0	1428.9	10259.0	1428.9	10259.4	1428.9	10260.6
GR	1428.9	10263.6	1430.5	10375.2	1430.4	10401.8	1430.0	10450.3	1430.0	10451.7
GR	1430.4	10482.3	1430.5	10504.5	1431.2	10537.3	1431.9	10567		
NH	5	.055	9963.7	.09	9987.8	.028	10009.3	.09	10031.1	.055
NH	10153									
ET			9.1						9805	10032
X1	5.106	33	9963.7	10031.1	510	460	500			
GR	1436.7	9554.0	1433.4	9592.7	1433.3	9593.2	1433.3	9595.5	1431.2	9677.7
GR	1430.5	9706.0	1430.1	9743.7	1429.8	9788.0	1430.2	9845.0	1430.1	9885.5
GR	1427.7	9908.6	1426.4	9916.0	1426.2	9927.3	1426.5	9930.3	1429.0	9939.6
GR	1428.9	9952.7	1428.8	9963.7	1427.9	9970.7	1425.8	9987.8	1425.8	10000.0
GR	1425.8	10009.3	1428.8	10027.1	1429.6	10031.1	1429.6	10047.4	1429.8	10058.6
GR	1430.0	10075.1	1429.7	10080.0	1430.5	10084.3	1430.4	10102.1	1430.6	10106.3
GR	1435.8	10148.9	1436.1	10151.9	1436.0	10153				
NH	5	.055	9977.1	.09	9991.1	.028	10017.4	.09	10037.3	.055
NH	10186									
ET		7.1	9.1				9783.7	10186	9894	10040

PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

X1	5.201	24	9977.1	10037.3	510	490	500			
GR	1434.9	9782.8	1435.0	9783.7	1434.5	9787.3	1430.9	9818.5	1432.0	9837.4
GR	1433.2	9853.2	1433.3	9866.0	1433.0	9889.6	1432.5	9977.1	1429.8	9991.1
GR	1428.9	9995.1	1428.9	10000.0	1428.4	10017.4	1429.7	10022.7	1431.3	10037.3
GR	1431.5	10042.5	1432.2	10052.2	1432.4	10057.4	1433.0	10076.6	1433.3	10080.4
GR	1437.7	10127.2	1438.6	10138.2	1439.7	10148.3	1443.1	10186		
NH	5	.055	9976.8	.09	9996.5	.028	10024.0	.09	10042.3	.055
NH	10214									
ET		7.1	9.1				9745.9	10214	9885.1	10043.9

PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

X1	5.307	33	9976.8	10042.3	520	580	560			
GR	1438.4	9671.3	1438.4	9697.8	1438.4	9717.0	1438.4	9726.0	1438.4	9745.9
GR	1438.1	9807.5	1436.3	9860.0	1436.1	9866.8	1436.0	9868.6	1435.4	9876.9
GR	1435.3	9881.4	1435.3	9912.4	1435.6	9921.9	1435.5	9924.3	1435.6	9933.8
GR	1435.9	9976.8	1432.2	9996.5	1431.6	10000.0	1431.7	10006.2	1431.7	10019.4
GR	1432.9	10024.0	1436.1	10037.3	1436.1	10042.3	1436.1	10056.7	1437.2	10078.2
GR	1438.2	10098.4	1436.3	10142.0	1436.2	10147.6	1436.6	10157.5	1437.7	10163.6
GR	1440.0	10178.4	1441.6	10189.5	1444.5	10214				
NH	5	.055	9956.2	.09	9976.9	.028	10017.3	.09	10040.0	.055
NH	10269									
ET		7.1	9.1				9662.0	10269	9954	10042.0
X1	5.414	57	9956.2	10040.0	525	565	565			
GR	1445.9	9211.1	1445.8	9215.7	1445.0	9231.6	1443.2	9265.1	1442.6	9272.3
GR	1442.0	9280.2	1443.7	9294.1	1444.6	9304.7	1445.3	9324.1	1444.8	9362.3
GR	1444.4	9371.0	1444.4	9397.3	1444.4	9398.1	1444.4	9398.2	1443.9	9418.2
GR	1444.1	9427.4	1444.1	9457.2	1444.6	9465.9	1444.5	9473.2	1444.4	9486.5
GR	1443.2	9500.5	1440.9	9533.1	1441.6	9555.9	1442.4	9591.2	1442.7	9611.3
GR	1443.7	9662.0	1442.9	9688.3	1441.9	9739.5	1441.7	9778.4	1441.6	9812.3
GR	1441.6	9817.6	1441.3	9824.6	1439.8	9857.3	1439.0	9868.8	1439.4	9903.9
GR	1439.7	9956.2	1437.4	9965.0	1436.1	9969.7	1436.1	9976.9	1435.9	9989.9
GR	1435.9	10000.0	1435.6	10013.8	1435.6	10017.3	1436.1	10020.7	1438.9	10040.0
GR	1439.6	10046.6	1439.8	10050.7	1442.5	10089.6	1442.8	10094.3	1442.8	10095.5
GR	1442.8	10133.6	1442.8	10133.7	1442.8	10134.2	1444.3	10193.7	1444.4	10195.3
GR	1445.9	10213.6	1450.4	10269						
NH	5	.055	9974.6	.09	9989.2	.028	10017.8	.09	10046.3	.055
NH	10353									
ET			9.1						9967	10173
X1	5.518	37	9974.6	10046.3	525	550	550			
GR	1449.0	9797.1	1448.9	9811.8	1447.5	9836.7	1446.1	9858.3	1447.5	9883.3
GR	1447.7	9889.7	1447.6	9892.2	1446.2	9909.4	1446.2	9914.1	1442.2	9944.8
GR	1442.1	9946.0	1440.2	9965.9	1440.7	9974.6	1441.1	9983.8	1439.4	9989.2
GR	1439.2	10000.0	1438.6	10017.8	1440.0	10027.2	1443.9	10046.3	1443.0	10115.2
GR	1442.8	10123.8	1442.9	10125.8	1443.9	10150.7	1444.8	10179.5	1444.9	10185.0
GR	1444.9	10188.3	1443.0	10220.9	1442.6	10228.4	1443.2	10240.0	1442.2	10246.0
GR	1442.2	10248.6	1441.8	10273.6	1441.7	10276.5	1447.3	10327.1	1448.4	10337.9
GR	1450.3	10351.6	1450.4	10353						
NH	5	.055	9951.2	.09	9969.8	.028	10004.4	.09	10024.9	.055
NH	10125									
ET		7.1	9.1				9755.5	10125	9902	10026
X1	5.626	43	9951.2	10024.9	520	565	570			
GR	1453.3	9523.1	1451.9	9550.0	1451.7	9562.1	1450.7	9583.9	1450.4	9597.9
GR	1447.5	9633.0	1447.3	9635.5	1447.2	9637.0	1447.0	9638.8	1444.9	9658.8
GR	1445.9	9665.2	1447.4	9677.2	1447.4	9686.9	1446.5	9727.6	1446.2	9732.7
GR	1446.7	9739.1	1446.9	9744.4	1448.5	9752.8	1448.9	9755.5	1448.6	9774.8
GR	1447.8	9836.1	1447.4	9840.6	1446.8	9848.9	1443.6	9895.2	1443.9	9918.6
GR	1444.0	9920.1	1446.3	9935.5	1445.9	9940.2	1445.6	9947.5	1445.0	9951.2
GR	1441.9	9969.8	1441.2	10000.0	1441.1	10002.7	1441.3	10004.4	1444.8	10024.9
GR	1445.3	10032.5	1445.9	10043.7	1444.5	10048.6	1442.5	10055.4	1443.0	10056.5
GR	1452.5	10109.2	1455.6	10122.2	1455.7	10125				

```
NH       5      .055    9954.6       .09     9966.0       .028    10008.7        .09    10029.1       .055
NH   10228
QT       2      4150      4150
ET                         9.1                                                        9954.6    10114.7
      INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1   5.732        20    9954.6   10012.7        540        560        560
GR  1456.9    9882.0    1454.7    9913.5     1451.5     9942.2     1450.0     9949.9     1448.8     9954.6
GR  1445.0    9966.0    1445.0    9978.4     1444.7    10000.0     1446.7    10008.7     1447.7    10012.7
GR  1447.5   10029.1    1447.1   10067.3     1447.7    10104.9     1448.3    10148.4     1451.0    10164.5
GR  1454.9   10191.0    1456.6   10200.4     1456.7    10202.9     1456.9    10211.0     1457.2     10228

NH       5      .055    9982.2       .09     9990.9       .028    10015.0        .09    10030.1       .055
NH   10258
ET                         9.1                                                        9771.2    10060.2
X1   5.824        56    9982.2   10030.1        520        440        485
GR  1461.8    9575.0    1461.7    9575.7     1454.7     9604.0     1454.3     9607.6     1456.2     9639.7
GR  1458.8    9654.3    1458.2    9667.2     1455.8     9689.3     1454.4     9701.0     1452.9     9710.8
GR  1451.2    9721.4    1451.0    9722.4     1450.3     9731.0     1450.1     9750.9     1450.1     9754.6
GR  1450.1    9755.7    1450.2    9760.1     1450.0     9771.6     1450.0     9772.6     1450.1     9774.3
GR  1450.8    9783.9    1450.7    9817.0     1450.7     9825.6     1451.3     9839.1     1452.4     9867.6
GR  1452.5    9879.7    1454.2    9936.0     1454.1     9943.1     1453.0     9961.9     1453.0     9962.6
GR  1452.6    9967.7    1449.3    9982.2     1447.2     9990.9     1447.2    10000.0     1447.3    10015.0
GR  1449.3   10022.0    1450.9   10030.1     1450.7    10037.6     1450.5    10044.1     1450.2    10069.5
GR  1451.9   10091.4    1451.8   10101.0     1451.6    10117.8     1451.6    10118.5     1451.7    10120.8
GR  1451.5   10129.2    1451.9   10135.6     1452.9    10148.7     1454.2    10164.1     1455.5    10173.2
GR  1457.7   10192.1    1458.1   10196.9     1459.0    10214.1     1460.0    10230.0     1460.6    10256.7
GR  1460.6     10258

NH       5      .055    9979.6       .09     9992.8       .028    10015.4        .09    10031.4       .055
NH   10080
ET                         9.1                                                         9822    10031.4
X1   5.934        52    9979.6   10031.4        600        660        580
GR  1462.0    9397.7    1461.5    9401.4     1460.8     9423.2     1460.6     9428.4     1460.6     9429.1
GR  1459.2    9437.5    1457.9    9446.8     1457.3     9454.4     1455.8     9462.3     1453.9     9494.0
GR  1454.0    9495.3    1454.0    9497.0     1454.5     9519.0     1454.8     9526.5     1454.8     9532.5
GR  1454.6    9544.9    1455.3    9575.4     1456.3     9596.3     1455.7     9611.5     1454.7     9637.5
GR  1455.0    9644.0    1455.7    9671.6     1455.6     9700.5     1455.3     9750.9     1455.1     9766.5
GR  1455.4    9784.0    1455.7    9804.2     1454.2     9851.5     1454.4     9856.6     1454.4     9860.4
GR  1453.6    9875.4    1453.1    9881.2     1454.0     9893.0     1454.3     9896.3     1453.9     9910.6
GR  1453.9    9910.8    1453.9    9910.9     1453.9     9911.3     1455.0     9942.3     1454.2     9970.8
GR  1453.9    9979.6    1453.4    9981.4     1450.5     9992.8     1450.4    10000.0     1450.0    10015.4
GR  1452.3   10022.3    1453.8   10031.4     1455.0    10036.7     1458.5    10060.4     1459.6    10069.7
GR  1460.4   10075.7    1460.7     10080

NH       5      .055    9977.7       .09     9992.6       .028    10021.1        .09    10079.7       .055
NH   10090
ET                7.1       9.1                                    9412.3      10090     9914.9    10051.0
X1   6.033        56    9977.7   10079.7        450        550        525
GR  1469.5    9055.4    1465.1    9069.9     1463.8     9076.5     1461.8     9088.6     1461.7     9090.7
GR  1458.0    9185.5    1457.8    9189.9     1457.8     9190.7     1457.8     9208.4     1457.8     9221.7
GR  1457.8    9222.9    1460.0    9276.1     1460.0     9276.8     1460.0     9278.5     1460.5     9336.2
GR  1461.3    9356.9    1461.6    9384.4     1462.5     9412.3     1460.9     9467.8     1460.7     9475.5
GR  1460.6    9480.6    1460.3    9498.6     1459.4     9567.5     1459.4     9574.9     1459.4     9588.0
```

GR	1459.7	9626.7	1459.7	9661.6	1459.7	9677.3	1459.7	9705.3	1459.8	9745.3
GR	1459.8	9749.1	1461.1	9760.4	1461.6	9768.4	1462.4	9772.5	1464.1	9784.8
GR	1461.1	9795.9	1459.5	9803.4	1459.0	9838.1	1458.4	9874.0	1457.9	9898.2
GR	1457.8	9907.8	1457.7	9912.3	1457.5	9922.3	1456.7	9962.3	1458.6	9971.3
GR	1458.9	9972.7	1457.8	9977.7	1457.8	9979.7	1457.5	9980.3	1453.8	9992.6
GR	1453.6	10000.0	1453.1	10021.1	1454.7	10027.8	1468.9	10079.7	1469.3	10081.7
GR	1468.6	10090								
NH	5	.055	9925.9	.09	9970.4	.028	10006.0	.09	10010.2	.055
NH	10038									
ET		7.1	9.1				9645.2	10038	9890.2	10010.2
X1	6.144	46	9925.9	10010.2	500	590	590			
GR	1477.6	9009.5	1476.1	9016.1	1474.2	9035.9	1473.2	9040.0	1472.8	9043.1
GR	1467.2	9086.2	1467.1	9104.4	1466.4	9168.0	1466.3	9197.3	1466.2	9206.5
GR	1465.8	9250.3	1464.8	9338.4	1464.9	9344.2	1464.9	9349.0	1465.2	9431.6
GR	1465.7	9534.4	1465.8	9557.2	1466.0	9595.0	1466.1	9645.2	1465.4	9661.6
GR	1464.2	9692.1	1463.9	9715.4	1463.6	9725.0	1463.9	9735.7	1464.2	9744.1
GR	1463.9	9759.1	1463.7	9771.3	1464.1	9793.5	1464.4	9818.9	1463.7	9847.0
GR	1463.2	9869.0	1462.3	9872.2	1461.1	9881.0	1461.1	9899.1	1461.0	9901.3
GR	1461.1	9907.1	1461.4	9912.3	1461.6	9925.9	1461.4	9951.5	1459.6	9963.1
GR	1458.3	9970.4	1457.4	10000.0	1457.2	10006.0	1457.5	10006.8	1458.5	10010.2
GR	1468.6	10038								
NH	5	.055	9945	.09	9955	.028	10000.0	.09	10040	.055
NH	10335									
ET			9.1						9945.0	10212.1
X1	6.244	23	9945	10040	340	560	530			
GR	1472	9244	1470	9685	1468.5	9725	1468.5	9775	1469.4	9880
GR	1468	9925	1466	9945	1464	9952	1462	9955	1461.2	9960
GR	1461.2	9975	1462	9992	1462.5	10000.0	1464	10012	1466	10040
GR	1466.5	10140	1466	10175	1464	10210	1464	10245	1464	10270
GR	1466	10295	1468	10315	1470	10335				
NH	5	.055	9836.1	.09	9844.8	.028	10012.0	.09	10030.5	.055
NH	10543									
ET		7.1	9.1				9688.7	10298.1	9836.1	10030.5
X1	6.364	48	9836.1	10030.5	650	460	635			
GR	1477.6	9688.7	1475.3	9694.6	1474.4	9699.1	1470.8	9717.9	1470.1	9769.8
GR	1469.6	9820.4	1469.4	9833.4	1468.4	9836.1	1466.3	9844.8	1466.7	9908.0
GR	1466.7	9909.8	1466.8	9912.1	1467.9	9970.4	1467.8	9974.1	1467.4	9979.6
GR	1467.3	9985.2	1466.8	9987.0	1465.8	9992.8	1465.9	10000.0	1465.6	10012.0
GR	1468.9	10030.5	1468.9	10030.8	1468.9	10033.4	1469.4	10067.2	1469.5	10073.9
GR	1470.1	10114.0	1470.3	10144.9	1470.0	10180.2	1469.9	10207.8	1472.7	10276.7
GR	1473.3	10298.9	1473.1	10305.9	1471.2	10331.7	1469.8	10358.5	1469.9	10361.8
GR	1469.8	10363.6	1468.7	10399.7	1467.4	10440.1	1466.3	10469.0	1467.8	10476.0
GR	1468.3	10479.0	1465.8	10485.4	1465.6	10485.9	1465.9	10487.7	1466.3	10489.7
GR	1471.9	10535.2	1472.2	10537.7	1472.3	10543				
NH	7	.055	9847.2	.09	9931.3	.028	9931.3	.09	9980.7	.028
NH	10045	.09	10071.7	.055	10699.7					
ET		7.1	9.1				9681.8	10303.0	9846	10074

```
X1    6.480       57    9847.2   10071.7      675      520      610
GR   1479.4   9681.8   1478.8    9687.2   1475.6   9705.2   1474.8   9729.9   1473.1   9804.5
GR   1472.8   9819.6   1472.4    9847.2   1471.2   9849.0   1469.4   9855.5   1469.4   9862.0
GR   1469.1   9888.1   1469.1    9894.2   1469.1   9919.4   1469.7   9931.3   1471.3   9940.8
GR   1471.0   9951.5   1471.1    9954.0   1470.8   9960.6   1470.8   9970.2   1470.3   9977.0
GR   1469.8   9980.7   1469.6   10000.0   1469.0  10031.1   1468.9  10041.2   1470.8  10045
GR   1471.8  10048.0   1471.9   10071.7   1471.7  10116.2   1471.7  10117.4   1471.6  10119.3
GR   1471.1  10135.3   1471.3   10140.7   1471.3  10142.0   1471.1  10150.5   1471.2  10154.6
GR   1472.4  10172.7   1473.2   10184.4   1473.5  10188.0   1475.0  10218.5   1475.3  10229.5
GR   1476.1  10266.5   1476.4   10282.7   1476.7  10303.0   1475.0  10328.3   1473.1  10360.7
GR   1476.3  10430.1   1476.8   10445.1   1477.4  10463.4   1476.0  10506.9   1475.5  10520.2
GR   1475.3  10534.0   1477.0   10585.8   1478.3  10624.1   1479.4  10655.0   1479.5  10674.2
GR   1479.5  10674.3   1479.2   10699.7

NH       5      .055    9919.4       .09    9943.9      .028   10138.8       .09   10151.9      .055
NH   10696
ET                       9.1                                                      9919.4   10151.9
X1    6.585       52    9919.4   10151.9      565      475      555
GR   1480.4   9778.4   1479.8    9787.1   1478.2   9802.0   1475.9   9878.3   1475.6   9886.3
GR   1475.6   9887.3   1476.1    9915.0   1475.5   9919.4   1472.5   9933.1   1473.0   9943.9
GR   1473.8  10000.0   1473.6   10010.1   1473.4  10016.7   1473.6  10044.4   1473.5  10061.8
GR   1473.4  10078.4   1473.4   10112.9   1473.4  10125.7   1473.3  10131.7   1473.3  10138.8
GR   1474.3  10140.5   1475.6   10143.4   1475.3  10151.9   1475.2  10158.2   1475.6  10192.8
GR   1475.7  10202.3   1475.7   10209.7   1475.8  10236.4   1475.0  10241.4   1475.0  10243.2
GR   1475.0  10251.8   1475.7   10257.2   1475.4  10260.7   1475.0  10267.5   1476.1  10277.1
GR   1477.5  10296.6   1479.2   10313.0   1479.3  10316.2   1479.4  10338.0   1479.5  10384.2
GR   1479.8  10390.3   1480.0   10439.7   1478.9  10490.2   1479.6  10527.9   1479.7  10540.5
GR   1479.9  10550.3   1480.3   10592.9   1480.4  10604.1   1480.9  10656.6   1481.0  10664.1
GR   1482.1  10693.3   1482.3   10696

NH       5      .055    9972.8       .09    9995.7      .028   10124.0       .09   10139.2      .055
NH   10517
ET                7.1       9.1                                 9581.4  10288.1   9905.4  10139.2
X1    6.697       60    9972.8   10139.2      590      590      590
GR   1486.3   9581.4   1485.2    9591.1   1485.6   9603.3   1485.7   9606.9   1482.4   9625.5
GR   1482.2   9626.5   1482.1    9627.0   1480.2   9636.7   1480.1   9638.7   1479.6   9686.4
GR   1479.4   9701.0   1479.4    9704.1   1477.9   9740.3   1477.8   9742.4   1477.9   9743.1
GR   1477.9   9745.8   1477.8    9750.2   1477.6   9770.4   1476.8   9792.5   1476.3   9801.7
GR   1476.6   9805.0   1476.7    9809.9   1476.7   9810.4   1476.7   9811.1   1475.9   9818.1
GR   1475.6   9823.5   1476.3    9829.7   1477.2   9836.5   1477.2   9843.4   1477.0   9911.7
GR   1478.1   9967.1   1478.3    9972.8   1476.5   9991.5   1475.9   9995.7   1475.8   9998.5
GR   1475.6  10000.0   1476.0   10003.6   1477.2  10023.7   1476.5  10096.3   1476.1  10124.0
GR   1477.7  10132.2   1479.4   10139.2   1480.0  10185.0   1480.3  10219.4   1480.4  10288.1
GR   1480.4  10313.0   1479.8   10315.6   1478.1  10325.6   1479.7  10337.1   1479.9  10339.1
GR   1479.9  10341.3   1479.9   10343.7   1480.4  10413.4   1480.6  10422.6   1481.5  10453.9
GR   1481.8  10460.7   1482.8   10480.7   1483.1  10485.9   1484.4  10508.6   1485.1  10517

NH       5      .055    9976.8       .09    9985.7      .028   10047.2       .09   10058.8      .055
NH   10871
ET                7.1       9.1                                 9672.5  10246.9   9976.8  10186.7
```

```
X1    6.801       94    9976.8   10058.8       550       580       550
GR   1484.7   9672.5    1483.8    9707.2    1483.3    9717.3    1480.9    9741.7    1480.8    9743.3
GR   1480.9   9743.3    1480.9    9744.8    1481.3    9745.9    1481.8    9756.7    1482.0    9761.8
GR   1481.7   9769.6    1481.5    9786.5    1481.4    9792.5    1481.3    9802.7    1481.1    9804.1
GR   1479.5   9807.7    1479.7    9810.9    1481.8    9844.2    1480.6    9886.1    1480.4    9893.4
GR   1481.5   9903.4    1481.7    9905.1    1481.5    9909.3    1480.8    9948.8    1481.1    9955.4
GR   1481.3   9963.3    1480.8    9973.1    1480.6    9976.8    1479.2    9981.0    1477.3    9985.7
GR   1477.5  10000.0    1477.2   10031.1    1477.6   10031.3    1477.6   10037.1    1477.8   10047.2
GR   1478.2  10048.9    1478.7   10051.3    1480.6   10058.8    1480.7   10060.7    1480.9   10060.9
GR   1480.8  10060.9    1480.7   10060.9    1480.8   10061.6    1481.0   10063.8    1480.7   10086.8
GR   1480.8  10129.2    1481.3   10151.8    1481.3   10153.9    1481.3   10157.8    1480.8   10180.0
GR   1480.7  10187.0    1480.7   10194.8    1480.7   10216.5    1481.5   10234.1    1482.4   10246.9
GR   1481.8  10249.8    1481.6   10255.1    1481.9   10276.4    1479.9   10295.3    1478.7   10318.6
GR   1480.8  10331.8    1482.0   10339.4    1482.0   10359.3    1482.1   10363.0    1481.8   10366.9
GR   1480.7  10379.2    1480.7   10379.7    1480.8   10381.0    1481.8   10394.3    1481.9   10398.8
GR   1482.1  10401.6    1482.1   10403.6    1482.7   10432.3    1483.2   10465.6    1483.4   10472.2
GR   1483.1  10497.2    1483.1   10517.5    1483.6   10540.7    1483.3   10620.0    1483.3   10624.1
GR   1483.4  10625.4    1485.0   10661.4    1486.0   10684.5    1487.3   10718.1    1487.1   10734.4
GR   1487.7  10741.8    1487.7   10745.4    1487.7   10763.9    1488.6   10790.9    1488.7   10794.4
GR   1488.6  10795.9    1488.6   10797.0    1488.5   10814.0    1488.0    10871

NH       5      .055    9948.7       .09    9965.5      .028   10008.3       .09   10040.3      .055
NH   10711
QT       2      3750      3750
ET               7.1       9.1                                9719.2   10476.1      9945     10044
      INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1    6.908       67    9948.7   10040.3       620       475       565
GR   1493.3   9719.2    1492.6    9723.1    1492.2    9726.0    1486.7    9757.0    1486.1    9785.5
GR   1485.3   9808.5    1485.5    9820.8    1485.2    9845.0    1486.0    9882.3    1486.1    9888.4
GR   1486.0   9888.6    1486.0    9892.3    1486.0    9909.3    1485.5    9913.7    1484.0    9922.0
GR   1484.6   9928.5    1484.2    9945.8    1484.1    9948.7    1482.3    9959.5    1481.3    9965.5
GR   1481.3  10000.0    1481.3   10004.4    1481.3   10008.3    1484.7   10040.3    1485.2   10045.1
GR   1485.3  10056.6    1485.3   10103.9    1485.3   10117.6    1484.7   10130.0    1484.7   10143.9
GR   1485.2  10176.7    1485.3   10180.1    1485.1   10187.3    1484.7   10207.2    1485.1   10213.6
GR   1485.1  10217.8    1484.0   10230.1    1484.3   10236.4    1484.4   10240.7    1483.6   10249.7
GR   1483.3  10251.4    1484.1   10274.8    1484.9   10311.8    1485.6   10354.0    1485.9   10372.9
GR   1486.1  10377.1    1486.2   10382.8    1486.8   10421.4    1487.9   10476.1    1487.9   10477.1
GR   1487.7  10481.2    1486.2   10512.7    1487.3   10541.4    1487.3   10542.5    1486.7   10556.2
GR   1485.7  10564.1    1485.3   10568.3    1485.3   10571.6    1485.7   10590.8    1486.3   10594.7
GR   1486.9  10599.1    1487.3   10627.9    1487.3   10631.7    1487.5   10635.2    1488.2   10645.2
GR   1492.0  10702.5    1492.0    10711

NH       5      .055    9934.4       .09    9965.9      .028   10031.1       .09   10033.7      .055
NH   10731
ET               7.1       9.1                                9713.5   10347.9      9933     10035
X1    7.012       59    9934.4   10033.7       550       490       550
GR   1491.9   9713.5    1490.7    9724.6    1490.0    9736.3    1490.0    9743.8    1489.7    9752.8
GR   1488.9   9762.4    1488.7    9763.8    1488.6    9766.8    1488.9    9772.5    1489.3    9788.0
GR   1488.7   9797.4    1487.4    9827.6    1487.3    9829.2    1487.3    9829.7    1487.3    9837.9
GR   1488.0   9848.5    1488.4    9858.5    1488.4    9863.9    1488.1    9877.4    1487.3    9915.6
GR   1487.1   9927.5    1487.2    9934.4    1485.0    9954.1    1484.7    9957.7    1484.4    9965.9
GR   1483.8   9989.3    1483.8   10000.0    1485.0   10024.2    1485.3   10031.1    1485.6   10033.7
GR   1489.3  10070.7    1489.3   10126.1    1489.1   10163.1    1488.8   10195.7    1488.6   10205.8
GR   1488.6  10231.2    1488.2   10285.0    1487.8   10297.0    1487.1   10301.0    1487.5   10301.8
```

GR	1488.7	10325.6	1489.2	10338.2	1489.4	10347.9	1489.3	10362.3	1489.3	10392.8
GR	1489.3	10430.7	1489.3	10469.0	1488.1	10486.3	1488.0	10488.1	1489.0	10500.9
GR	1489.8	10511.8	1490.8	10548.6	1491.9	10573.6	1492.4	10587.3	1491.7	10629.6
GR	1491.8	10644.9	1491.9	10653.2	1491.8	10710.2	1492.0	10731		
NH	5	.055	10000.0	.09	10025.0	.028	10062.0	.09	10075.1	.055
NH	10929									
ET			9.1						9998	10077
X1	7.130	60	10000.0	10075.1	630	605	625			
GR	1500.9	9859.6	1498.7	9874.6	1498.1	9879.2	1494.6	9903.0	1491.9	9918.3
GR	1491.9	9918.3	1490.5	9923.9	1490.0	9925.4	1490.2	9926.3	1493.0	9940.0
GR	1493.3	9958.8	1493.5	9970.3	1493.3	9982.4	1492.9	10000.0	1489.4	10013.5
GR	1486.7	10025.0	1486.9	10035.8	1487.6	10062.0	1490.0	10075.1	1492.0	10088.9
GR	1492.8	10106.1	1494.4	10133.8	1494.1	10149.3	1494.1	10197.1	1493.6	10263.1
GR	1494.0	10317.1	1494.1	10328.4	1493.8	10347.9	1493.0	10399.0	1493.3	10425.0
GR	1493.3	10451.4	1493.3	10462.6	1492.9	10485.5	1492.7	10501.3	1492.8	10503.3
GR	1493.3	10506.6	1493.8	10528.1	1494.0	10541.4	1495.0	10555.6	1497.3	10594.2
GR	1497.9	10623.4	1497.7	10633.7	1497.5	10639.1	1496.7	10678.0	1496.5	10695.0
GR	1496.8	10704.4	1497.0	10723.3	1497.3	10744.9	1497.7	10782.3	1497.9	10801.4
GR	1498.0	10815.3	1498.0	10833.0	1497.7	10851.6	1498.0	10859.7	1498.0	10885.4
GR	1498.1	10888.9	1498.7	10908.5	1499.2	10924.1	1499.3	10928.3	1499.4	10929
NH	5	.055	9964.7	.09	9982.2	.028	10004.6	.09	10020.5	.055
NH	10639									
ET			9.1						9894.4	10178.2
X1	7.232	57	9964.7	10020.5	540	540	540			
GR	1503.0	9641.6	1502.6	9645.1	1502.5	9646.2	1499.2	9657.8	1498.8	9662.5
GR	1496.6	9683.8	1496.2	9688.6	1495.1	9703.2	1494.8	9707.0	1494.8	9707.9
GR	1496.0	9711.7	1496.0	9713.5	1495.5	9716.9	1495.6	9734.7	1496.0	9755.3
GR	1496.0	9756.4	1495.9	9757.0	1495.3	9766.5	1495.3	9767.0	1496.0	9775.9
GR	1496.3	9790.0	1497.1	9817.5	1497.1	9844.0	1497.2	9923.5	1497.3	9926.2
GR	1497.0	9934.5	1496.7	9945.9	1496.0	9964.7	1494.1	9970.4	1490.0	9982.2
GR	1490.0	10000.0	1489.8	10004.6	1491.2	10008.5	1495.8	10020.5	1495.3	10032.0
GR	1494.7	10054.6	1495.3	10068.5	1496.0	10076.0	1496.7	10097.3	1497.2	10112.3
GR	1497.3	10117.9	1497.1	10160.2	1497.0	10195.0	1497.0	10226.4	1496.3	10304.8
GR	1496.2	10326.5	1496.4	10336.4	1496.7	10370.3	1497.5	10437.2	1497.6	10450.4
GR	1497.4	10490.4	1497.3	10491.9	1497.3	10495.1	1498.5	10534.1	1499.1	10574.6
GR	1499.8	10614.0	1500.1	10639						
NH	5	.055	9986.1	.09	10000.0	.028	10066.7	.09	10086.1	.055
NH	10438									
ET		7.1	9.1				9687.0	10438	9986.1	10086.1
X1	7.337	59	9986.1	10086.1	555	555	555			
GR	1506.0	9279.1	1504.0	9294.0	1502.8	9298.4	1501.3	9313.7	1501.3	9314.2
GR	1501.3	9337.2	1500.0	9377.8	1499.4	9412.1	1499.3	9418.0	1499.4	9431.8
GR	1500.0	9487.5	1499.3	9502.3	1499.3	9502.4	1499.3	9502.5	1500.2	9574.1
GR	1500.7	9620.3	1500.8	9626.6	1501.7	9660.6	1502.3	9687.0	1502.2	9708.9
GR	1502.2	9715.4	1500.2	9745.4	1499.4	9752.4	1499.5	9762.3	1499.7	9786.1
GR	1500.5	9808.7	1500.7	9820.5	1500.0	9866.0	1499.5	9892.2	1499.2	9912.2
GR	1498.0	9927.7	1498.0	9928.2	1498.1	9929.7	1499.2	9945.8	1499.4	9949.7
GR	1499.2	9955.8	1499.0	9969.9	1498.7	9984.1	1498.0	9986.1	1492.7	10000.0
GR	1493.7	10041.5	1494.0	10052.1	1495.7	10066.7	1498.3	10086.1	1498.7	10114.2
GR	1499.2	10149.3	1499.3	10152.7	1499.3	10159.8	1498.8	10174.0	1499.8	10198.0
GR	1500.0	10203.4	1499.8	10218.8	1499.8	10296.7	1500.4	10333.7	1501.4	10365.8

```
GR   1501.7   10384.6    1501.8   10396.6     1502.4    10423.6     1502.6      10438

NH       5      .055    9972.4       .09    10000.0       .028    10058.0        .09    10084.1       .055
NH   10236
ET                        9.1                                                    9970      10086
X1   7.448        54    9972.4   10084.1        585        600        585
GR   1507.6    9181.0    1507.3    9205.4     1507.0     9234.8     1506.0     9292.7     1505.4     9321.7
GR   1504.6    9369.8    1504.5    9394.3     1504.5     9402.9     1504.5     9410.7     1504.8     9435.1
GR   1504.9    9437.2    1504.9    9469.8     1505.3     9525.9     1504.9     9531.8     1504.0     9543.4
GR   1503.7    9547.7    1504.0    9559.1     1504.1     9566.2     1504.3     9580.5     1504.2     9589.6
GR   1504.7    9621.9    1504.8    9631.7     1503.8     9662.5     1503.3     9678.7     1503.4     9683.6
GR   1504.0    9729.1    1504.7    9754.9     1505.3     9777.8     1504.0     9795.5     1503.0     9812.3
GR   1503.3    9838.7    1503.3    9858.0     1502.7     9898.1     1502.8     9909.3     1502.0     9962.5
GR   1502.0    9972.4    1498.1    9995.3     1497.3    10000.0     1497.3    10008.5     1497.1    10026.7
GR   1497.0   10037.2    1496.7   10058.0     1501.3    10084.1     1501.8    10089.5     1501.6    10104.4
GR   1501.4   10115.4    1503.3   10147.1     1503.3    10147.3     1503.3    10147.6     1503.8    10159.7
GR   1506.2   10191.8    1507.3   10226.2     1507.3    10230.2     1507.4      10236

NH       5      .055    9980.0       .09    10000.0       .028    10028.6        .09    10050.8       .055
NH   10464
ET                        9.1                                                    9980.0    10142.7
       AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
       BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
X1   7.562        53    9980.0   10050.8        540        630        600
GR   1509.6    9659.8    1509.3    9672.0     1509.0     9683.5     1508.3     9732.4     1508.0     9785.5
GR   1507.9    9797.0    1508.5    9836.9     1508.5     9842.5     1508.4     9862.4     1507.6     9897.7
GR   1505.1    9946.2    1505.0    9953.4     1504.7     9965.2     1505.0     9969.9     1504.7     9980.0
GR   1502.7    9988.8    1499.3   10000.0     1500.0    10027.0     1500.0    10027.8     1500.0    10027.9
GR   1500.2   10028.6    1504.7   10050.8     1504.7    10051.5     1504.4    10065.2     1504.4    10068.0
GR   1504.2   10082.5    1504.0   10087.0     1504.0    10110.4     1504.0    10111.8     1504.0    10112.2
GR   1504.0   10123.3    1504.7   10143.0     1504.7    10144.4     1504.7    10149.9     1504.7    10179.8
GR   1505.4   10190.9    1506.6   10222.1     1506.2    10229.8     1505.8    10237.2     1504.8    10252.6
GR   1505.2   10260.9    1506.6   10283.3     1506.3    10295.8     1507.8    10322.8     1508.1    10325.9
GR   1510.1   10344.9    1510.7   10366.5     1511.7    10390.0     1513.3    10401.2     1514.3    10429.8
GR   1514.7   10445.7    1514.7   10448.2     1515.6      10464

NH       5      .055    9975.7       .09     9989.0       .028    10025.7        .09    10046.8       .055
NH   10870
ET               7.1       9.1                                     9604.9    10201.0     9946.2    10094.0
X1   7.666        86    9975.7   10046.8        550        580        550
GR   1513.7    9604.9    1512.7    9620.0     1513.0     9637.3     1512.5     9676.3     1512.0     9707.0
GR   1512.0    9723.8    1512.0    9736.8     1511.8     9743.5     1509.8     9784.9     1509.7     9795.6
GR   1509.0    9821.3    1507.3    9878.9     1507.3     9879.1     1507.3     9879.1     1507.3     9879.3
GR     1506    9895.0      1506    9901.1     1506.6     9919.4     1506.2     9932.1     1505.0     9947.4
GR   1505.3    9955.8    1505.8    9963.5     1506.7     9975.7     1505.4     9982.2     1502.7     9989.0
GR   1502.4   10000.0    1502.6   10019.7     1502.7    10022.9     1503.4    10025.7     1508.0    10046.8
GR   1507.3   10060.4    1506.9   10069.5     1508.5    10086.7     1508.7    10089.2     1508.6    10093.3
GR   1508.0   10110.3    1508.0   10128.0     1508.2    10144.9     1510.7    10201.0     1510.7    10201.4
GR   1510.7   10201.5    1510.0   10251.9     1510.0    10260.0     1509.4    10317.0     1509.2    10320.9
GR   1509.2   10322.0    1509.2   10332.0     1508.6    10340.6     1507.8    10361.1     1508.5    10366.8
GR   1508.7   10367.4    1508.6   10368.5     1508.5    10369.0     1506.7    10379.1     1507.2    10383.0
GR   1508.0   10390.5    1508.4   10402.6     1509.5    10429.7     1510.2    10454.5     1510.9    10489.6
GR   1510.9   10494.1    1509.7   10514.7     1508.7    10539.0     1507.7    10546.4     1507.3    10547.9
GR   1508.8   10556.4    1509.2   10558.1     1509.3    10559.1     1509.9    10587.6     1510.2    10603.0
```

```
GR  1509.8   10609.7   1509.3   10620.2   1510.1   10634.9   1511.1   10646.6   1511.2   10655.0
GR  1511.7   10682.6   1511.8   10699.0   1511.9   10709.6   1512.6   10730.2   1512.9   10772.3
GR  1512.7   10781.5   1512.7   10799.2   1513.1   10811.1   1513.3   10825.7   1513.8   10848.7
GR  1514.7   10870

NH     5      .055    9961.8      .09    9983.5      .028   10047.1      .09   10078.7      .055
NH 10749
ET             7.1       9.1                                9885.7   10353.2    9961.8   10078.7
X1  7.770       60    9961.8   10078.7      550        510      550
GR  1513.3   9885.7   1512.1    9906.8   1510.8    9920.7   1510.8    9922.8   1510.7    9924.7
GR  1510.7   9930.8   1511.1    9961.8   1507.3    9975.9   1505.6    9983.5   1505.7    9985.3
GR  1504.9  10000.0   1504.9   10008.3   1504.9   10021.3   1504.9   10026.8   1505.3   10035.3
GR  1505.3  10047.1   1505.6   10055.9   1507.5   10066.7   1510.5   10078.7   1510.8   10090.8
GR  1511.3  10111.4   1511.3   10125.1   1512.0   10146.0   1512.1   10167.5   1512.2   10185.7
GR  1512.4  10200.1   1512.9   10212.1   1513.4   10234.3   1513.9   10250.4   1514.1   10253.7
GR  1514.0  10261.6   1514.4   10307.4   1515.2   10353.2   1515.2   10364.8   1515.1   10372.3
GR  1514.4  10405.9   1513.0   10452.7   1512.6   10466.6   1512.3   10471.0   1511.3   10497.8
GR  1511.3  10505.5   1512.3   10524.7   1512.1   10536.7   1511.3   10548.7   1511.7   10568.8
GR  1512.0  10583.0   1512.5   10606.9   1512.8   10614.1   1512.9   10618.5   1512.9   10622.1
GR  1512.4  10633.0   1512.2   10651.8   1512.0   10654.7   1512.4   10660.0   1513.1   10669.6
GR  1513.4  10678.2   1513.8   10683.3   1513.7   10728.6   1513.8   10736.9   1514.0    10749

NH     5      .055    9980.2      .09   10000.0      .028   10030.3      .09   10052.7      .055
NH 10959
ET             9.1                                                             9980.2   10118.6
X1  7.883       56    9980.2   10052.7      610        550      595
GR  1520.6   9913.1   1515.0    9951.5   1514.0    9964.4   1511.1    9980.2   1508.7   10000.0
GR  1508.7  10028.6   1508.7   10030.0   1508.7   10030.3   1508.9   10031.4   1514.3   10052.7
GR  1514.7  10080.4   1514.5   10104.6   1513.1   10115.1   1511.0   10137.4   1510.7   10141.4
GR  1511.5  10147.0   1513.2   10158.3   1513.3   10178.3   1513.2   10182.9   1513.2   10184.0
GR  1513.2  10188.2   1514.7   10227.6   1515.1   10231.4   1515.3   10235.4   1515.3   10255.2
GR  1516.7  10306.3   1517.2   10324.6   1517.0   10360.9   1517.2   10380.2   1517.4   10403.9
GR  1518.0  10450.1   1517.6   10476.0   1518.0   10536.9   1518.2   10554.8   1517.9   10556.5
GR  1517.8  10561.9   1517.3   10579.2   1517.0   10584.1   1516.7   10587.3   1517.9   10609.6
GR  1518.1  10617.6   1518.3   10623.8   1518.3   10642.7   1518.4   10653.0   1517.9   10683.5
GR  1517.6  10706.5   1517.5   10720.4   1516.9   10753.8   1516.4   10771.4   1516.8   10782.1
GR  1518.3  10828.0   1518.5   10840.3   1519.1   10863.2   1519.4   10901.7   1519.7   10932.4
GR  1520.0  10959

NH     7      .055    9936.4      .09    9964.0      .028   10023.0      .09   10041.8      .055
NH 10427      .028   10450.8      .055  10876
ET             9.1                                                             9926.6   10440.5
X1  7.988       65    9936.4   10041.8      555        550      555
GR  1522.8   9833.6   1521.8    9838.6   1518.0    9857.4   1518.0    9860.3   1516.8    9885.6
GR  1516.0   9903.8   1515.7    9916.8   1515.6    9931.7   1516.4    9933.4   1516.1    9936.4
GR  1515.0   9949.5   1514.4    9964.0   1513.5   10000.0   1513.3   10023.0   1515.6   10031.0
GR  1519.9  10041.8   1519.1   10062.8   1518.3   10067.7   1516.7   10082.8   1517.7   10098.0
GR  1519.5  10126.0   1520.0   10136.2   1519.6   10172.7   1517.4   10234.7   1517.3   10236.1
GR  1517.2  10237.7   1516.6   10268.2   1516.7   10284.0   1516.7   10285.1   1516.7   10285.5
GR  1516.8  10311.1   1518.2   10348.0   1519.2   10376.8   1519.2   10379.4   1519.1   10394.7
GR  1516.0  10421.9   1515.3     10427   1515.3   10431.7   1514.9   10450.8   1518.0   10467.3
GR  1518.7  10470.5   1518.7   10470.8   1518.7   10471.3   1518.7   10502.8   1518.9   10510.0
GR  1520.6  10542.0   1520.6   10552.7   1520.2   10567.6   1519.6   10588.3   1519.3   10598.3
GR  1520.0  10616.3   1521.0   10653.3   1520.9   10674.0   1521.0   10698.2   1520.9   10728.4
```

```
GR  1520.9   10740.1   1520.3   10761.5   1520.0   10762.1   1520.3   10779.2   1520.7   10800.8
GR  1520.7   10829.7   1520.7   10830.3   1520.9   10845.9   1520.9   10855.5   1521.0   10876

NH     9       .055    9977.8      .09    9985.3      .028   10005.9      .09   10031.8      .055
NH 10241       .09    10271.1      .028   10303.3      .09   10319.0      .055  10642.2
QT     2       3345    3345
ET                     9.1                                                     9970.6   10291.4
     AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
     BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
     INTERPOLATED 100-YR. 24-HR. DISCHARGE.
X1  8.092      61      9977.8   10031.8      525      690      550
GR  1525.9   9761.6    1523.7   9778.6    1522.6   9790.8    1520.5   9813.7    1520.5   9818.6
GR  1520.5   9827.1    1520.5   9834.1    1520.5   9837.9    1520.5   9854.8    1520.5   9870.8
GR  1520.5   9875.7    1520.5   9885.7    1520.5   9886.1    1521.3   9919.0    1521.3   9919.3
GR  1521.3   9919.5    1521.7   9938.2    1521.9   9949.8    1521.6   9956.3    1520.7   9972.4
GR  1519.1   9977.8    1516.7   9985.3    1516.7   10000.0   1516.7   10001.4   1517.3   10005.9
GR  1521.6   10031.8   1522.7   10078.4   1522.7   10078.9   1522.7   10079.7   1522.7   10081.4
GR  1522.5   10118.8   1522.5   10126.5   1522.2   10139.2   1521.6   10169.5   1522.2   10186.2
GR  1522.7   10196.9   1522.8   10203.3   1522.5   10215.6   1522.2   10241     1519.8   10266.5
GR  1519.3   10271.1   1518.8   10284.3   1518.1   10303.3   1521.2   10319.0   1521.3   10319.8
GR  1521.3   10322.8   1521.5   10349.0   1522.0   10387.8   1522.7   10440.8   1523.1   10463.6
GR  1523.1   10488.0   1522.8   10527.8   1522.9   10540.2   1522.5   10549.2   1522.4   10556.1
GR  1522.0   10563.3   1522.0   10568.0   1522.6   10580.7   1522.7   10583.3   1522.7   10587.3
GR  1523.1   10642.2

NH     5       .055    9956.2      .09    9971.4      .028   10000.4      .09   10015.6      .055
NH 10747
ET                     7.1      9.1                                     9937.5   10449.2   9956.2   10131.9
X1  8.196      54      9956.2   10015.6      550      550      550
GR  1533.5   9937.5    1533.2   9940.5    1532.0   9944.4    1526.3   9956.2    1520.8   9969.5
GR  1520.0   9971.4    1519.9   9973.6    1519.3   10000.0   1519.4   10000.4   1525.2   10015.6
GR  1524.7   10033.2   1524.7   10036.0   1524.3   10039.4   1524.1   10061.2   1524.7   10068.3
GR  1524.7   10075.0   1525.1   10090.6   1522.8   10103.8   1521.3   10110.8   1521.5   10113.2
GR  1523.1   10130.6   1525.8   10155.9   1526.5   10207.8   1526.6   10217.3   1526.7   10221.1
GR  1526.4   10228.6   1525.0   10271.0   1524.7   10274.0   1524.1   10290.2   1524.0   10293.2
GR  1524.1   10295.1   1524.8   10306.9   1524.3   10319.4   1524.0   10328.6   1524.3   10335.0
GR  1525.3   10363.5   1525.3   10371.3   1525.8   10404.2   1526.1   10419.7   1526.7   10449.2
GR  1526.7   10451.2   1526.7   10452.0   1526.4   10455.8   1524.7   10477.2   1524.9   10479.3
GR  1526.0   10492.5   1526.6   10570.8   1526.7   10582.2   1526.9   10592.2   1528.3   10671.7
GR  1529.8   10713.6   1530.2   10724.0   1530.3   10727.7   1531.2   10747

NH     5       .055    9965.5      .09    9985.7      .028   10013.5      .09   10041.3      .055
NH 10700
ET                     7.1      9.1                                     9905.0   10369.3   9965.5   10141.1
X1  8.301      50      9965.5   10041.3      565      470      555
GR  1535.3   9905.0    1534.1   9910.7    1533.9   9913.7    1528.0   9940.1    1527.7   9948.5
GR  1527.3   9965.5    1523.8   9981.0    1522.6   9985.7    1522.3   10000.0   1522.0   10013.5
GR  1525.9   10031.2   1527.9   10041.3   1527.9   10075.0   1528.0   10078.1   1528.1   10082.0
GR  1528.7   10124.0   1528.6   10143.6   1528.0   10202.9   1528.0   10206.0   1527.9   10208.3
GR  1526.0   10251.9   1526.7   10264.7   1529.3   10300.4   1529.6   10306.3   1529.7   10312.7
GR  1530.1   10369.3   1529.6   10411.0   1529.4   10417.0   1528.7   10422.6   1529.2   10424.0
GR  1527.3   10435.4   1527.7   10441.1   1529.0   10454.8   1528.8   10471.9   1528.8   10475.9
GR  1528.0   10481.4   1527.3   10487.0   1527.4   10488.9   1528.7   10505.9   1528.6   10507.4
GR  1528.7   10511.0   1528.7   10515.3   1528.9   10518.0   1530.5   10584.6   1530.6   10591.1
```

```
GR   1530.8    10596.9    1531.3    10607.2    1534.0    10663.1    1535.1    10680.0    1535.4    10700

NH      5       .055     9973.5       .09     10000.0       .028    10026.8       .09     10046.9       .055
NH  10556
ET              7.1        9.1                                      9645.9    10369.3     9884.9    10046.9
        AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE
        BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.
X1   8.407         67     9973.5    10046.9        590        500        560
GR   1536.9    9645.9    1535.0    9663.0     1533.5    9678.0     1532.0    9689.1    1531.5    9702.9
GR   1531.5    9717.2    1531.5    9725.1     1531.5    9726.4     1531.5    9728.3    1531.5    9734.0
GR   1531.5    9748.1    1531.5    9750.7     1531.5    9751.0     1531.5    9753.5    1531.5    9757.9
GR   1531.5    9763.5    1531.5    9768.4     1531.5    9780.1     1531.5    9784.8    1531.5    9787.0
GR   1531.5    9790.3    1531.5    9794.7     1531.5    9796.7     1531.5    9813.3    1531.5    9825.2
GR   1531.7    9857.8    1532.1    9866.7     1531.9    9876.1     1531.3    9901.8    1530.7    9929.8
GR   1529.8    9936.4    1528.9    9942.2     1530.4    9955.2     1530.7    9959.8    1530.7    9960.8
GR   1530.8    9962.7    1531.0    9973.5     1528.4    9987.0     1526.2   10000.0    1526.7   10020.0
GR   1526.7   10026.8    1528.2   10032.5     1531.1   10046.9     1531.2   10059.6    1531.3   10126.8
GR   1531.4   10135.4    1531.5   10140.5     1532.7   10177.5     1533.0   10214.0    1533.2   10245.0
GR   1533.4   10258.8    1534.2   10270.8     1534.7   10283.9     1535.8   10311.5    1535.9   10350.5
GR   1535.9   10356.5    1535.6   10360.2     1533.7   10409.4     1533.6   10419.7    1533.4   10435.8
GR   1533.1   10458.7    1532.9   10465.6     1531.5   10470.5     1531.3   10471.4    1533.8   10517.6
GR   1534.1   10521.0    1537.0   10556

NH      5       .055     9979.8       .09     10000.0       .028    10047.8       .09     10057.2       .055
NH  10149
ET                         9.1                                                           9971.2    10057.2
X1   8.524         37     9971.5    10057.2        550        625        620
GR   1538.3    9352.3    1538.2    9374.6     1537.3    9405.0     1537.5    9422.3    1537.6    9445.2
GR   1537.6    9483.0    1538.0    9506.2     1538.2    9520.8     1539.0    9547.3    1538.0    9567.4
GR   1536.3    9601.7    1534.8    9671.4     1534.7    9676.6     1534.8    9678.9    1536.0    9771.7
GR   1535.9    9775.8    1534.7    9824.3     1535.2    9847.7     1535.4    9851.3    1535.2    9853.1
GR   1535.1    9914.6    1535.0    9937.4     1534.9    9958.0     1534.7    9971.5    1533.6    9979.8
GR   1529.8   10000.0    1530.2   10026.5     1530.0   10038.3     1531.7   10047.8    1534.0   10057.2
GR   1535.3   10072.7    1536.7   10089.8     1536.7   10094.5     1537.0   10104.3    1538.7   10125.2
GR   1538.6   10134.7    1539.3   10149

NH      5       .055     9944.9       .09     9964.1        .028    10014.4       .09     10046.6       .055
NH  10070
ET                         9.1                                                           9915      10050
X1   8.634         24     9944.9    10046.6        540        600        580
GR   1544.0    9614.6    1543.0    9623.6     1541.9    9638.7     1541.0    9648.8    1540.0    9667.7
GR   1539.4    9679.6    1539.1    9687.9     1537.0    9736.8     1537.9    9758.1    1538.7    9782.0
GR   1538.7    9838.3    1538.4    9890.7     1538.6    9907.0     1538.0    9944.7    1538.0    9944.8
GR   1538.0    9944.9    1533.3    9964.1     1533.3    9965.0     1532.7   10000.0    1536.4   10014.4
GR   1536.7   10015.4    1536.8   10016.1     1538.5   10046.6     1543.5   10070

NH      5       .055     9962.6       .09     9981.1        .028    10008.8       .09     10034.2       .055
NH  10489
ET                         9.1                                                           9932.7    10131.7
X1   8.736         44     9962.6    10034.2        530        540        540
GR   1547.8    9755.8    1546.2    9767.4     1544.5    9777.2     1543.9    9793.9    1543.2    9804.2
GR   1543.4    9807.3    1542.5    9823.5     1539.3    9899.9     1540.9    9933.2    1541.3    9943.5
GR   1541.0    9946.1    1541.1    9948.7     1540.7    9962.6     1537.6    9973.1    1535.5    9981.1
GR   1535.5   10000.0    1535.5   10008.8     1537.2   10016.1     1540.7   10034.2    1540.7   10078.4
```

GR	1540.6	10098.1	1540.6	10101.0	1540.0	10114.9	1540.0	10128.0	1540.0	10136.0
GR	1540.5	10142.3	1541.6	10163.7	1540.9	10193.5	1540.7	10210.7	1540.7	10215.6
GR	1541.3	10236.4	1541.4	10241.2	1542.0	10276.4	1542.2	10283.1	1545.8	10329.3
GR	1545.9	10332.6	1545.4	10363.2	1545.3	10401.2	1545.3	10411.0	1545.1	10415.5
GR	1544.3	10435.6	1544.3	10442.3	1544.7	10461.6	1544.7	10489		
NH	5	.055	9966.6	.09	9980.5	.028	10027.2	.09	10038.6	.055
NH	10691									
ET			9.1						9964	10040
X1	8.840	44	9966.6	10038.6	550	550	550			
GR	1551.0	9693.6	1550.9	9695.6	1548.7	9712.3	1547.2	9720.1	1546.4	9725.1
GR	1544.2	9788.4	1544.0	9793.3	1544.0	9795.7	1544.7	9848.0	1544.7	9848.4
GR	1544.7	9848.9	1542.0	9898.4	1543.5	9944.1	1543.8	9959.1	1542.6	9966.6
GR	1540.0	9980.5	1539.2	10000.0	1538.7	10014.7	1540.8	10027.2	1542.8	10038.6
GR	1542.7	10087.7	1542.7	10090.8	1542.8	10094.1	1542.9	10110.7	1548.4	10178.0
GR	1548.7	10181.3	1548.7	10183.0	1548.2	10222.5	1548.2	10239.4	1548.0	10258.5
GR	1547.7	10270.7	1547.0	10300.6	1546.9	10334.6	1547.2	10343.8	1547.1	10361.5
GR	1547.1	10416.4	1546.9	10425.9	1546.6	10482.9	1546.6	10485.7	1546.8	10498.6
GR	1547.1	10556.6	1547.3	10595.5	1547.6	10666.6	1547.6	10691		
NH	5	.055	9923.8	.09	9938.8	.028	10081.3	.09	10103.3	.055
NH	10559									
ET			9.1						9921	10105
X1	8.948	61	9923.8	10103.3	540	590	570			
GR	1549.3	9716.6	1548.4	9724.4	1548.5	9727.7	1548.4	9743.0	1548.3	9765.3
GR	1547.4	9780.6	1546.7	9804.7	1546.8	9811.9	1546.6	9814.7	1546.0	9829.6
GR	1546.2	9833.0	1546.9	9845.6	1547.1	9849.1	1547.0	9857.6	1546.6	9867.8
GR	1545.8	9879.4	1545.8	9888.3	1545.4	9902.9	1546.1	9909.3	1547.1	9923.8
GR	1543.4	9938.8	1543.3	9939.3	1543.3	9970.6	1543.3	9972.1	1542.7	10000.0
GR	1542.7	10015.2	1543.5	10022.4	1544.1	10030.8	1544.4	10035.0	1544.8	10051.4
GR	1544.1	10059.9	1543.1	10066.4	1543.3	10072.8	1543.3	10081.3	1544.6	10095.5
GR	1545.3	10103.3	1545.2	10107.0	1545.3	10125.3	1545.4	10138.1	1545.4	10141.3
GR	1546.7	10160.0	1546.7	10162.9	1547.1	10183.2	1547.6	10194.8	1548.2	10203.9
GR	1548.3	10214.5	1548.7	10227.4	1548.9	10233.4	1548.7	10255.3	1548.8	10267.0
GR	1548.8	10274.3	1549.1	10297.3	1549.1	10324.7	1549.4	10343.6	1549.1	10363.6
GR	1549.1	10381.7	1548.7	10395.1	1548.7	10414.7	1549.2	10473.3	1550.0	10535.5
GR	1550.0	10559								
NH	5	.055	9967.3	.09	9978.4	.028	10022.8	.09	10036.7	.055
NH	10637									
ET			9.1						9967.3	10125.0
X1	9.053	73	9967.3	10036.7	550	570	555			
GR	1555.8	9628.3	1554.9	9642.3	1552.6	9671.2	1552.0	9676.4	1552.0	9682.5
GR	1551.7	9721.6	1550.9	9732.2	1550.7	9736.8	1550.9	9741.4	1551.7	9747.1
GR	1551.7	9754.9	1552.0	9760.1	1552.5	9775.5	1554.0	9791.2	1554.1	9792.2
GR	1554.3	9795.5	1554.0	9798.3	1553.0	9816.1	1552.6	9825.1	1551.8	9854.9
GR	1551.9	9860.5	1550.7	9930.0	1550.6	9941.4	1549.9	9955.8	1549.3	9967.3
GR	1547.8	9978.4	1546.6	9986.0	1546.4	10000.0	1546.4	10022.8	1547.7	10036.7
GR	1548.0	10050.2	1548.4	10058.3	1548.9	10079.7	1548.7	10086.3	1548.7	10092.6
GR	1548.7	10100.4	1548.7	10143.8	1549.0	10178.5	1549.3	10216.4	1549.3	10228.5
GR	1548.2	10248.5	1548.1	10251.4	1548.7	10271.0	1548.7	10274.4	1550.7	10299.4
GR	1550.7	10299.5	1551.8	10307.1	1552.5	10315.7	1552.7	10321.8	1552.8	10328.4
GR	1553.3	10349.5	1553.3	10351.2	1553.8	10353.9	1553.5	10370.4	1553.9	10415.0
GR	1553.9	10425.1	1554.0	10426.6	1553.9	10433.8	1553.9	10437.4	1553.6	10463.5

```
GR   1553.8   10477.5    1554.0   10488.7    1553.8   10494.8    1553.6   10506.7    1554.3   10537.5
GR   1554.3   10568.1    1553.3   10595.6    1553.0   10600.5    1553.1   10606.8    1553.8   10622.0
GR   1553.9   10625.3    1554.1   10628.6    1554.2    10637

NH       9      .055    9855.0      .09    9867.7     .028    9877.6      .09    9888.3     .055
NH  9967.0       .09    9985.3     .028   10016.2      .09   10038.3     .055     10715
ET                        9.1                                                   9919.0   10226.8
X1   9.158        52    9975.7   10026.9      555      530      555
GR   1566.7    9794.8    1561.8    9811.8    1552.9    9837.8    1553.0    9846.1    1553.1    9851.5
GR   1552.3    9855.0    1550.7    9867.7    1550.6    9870.0    1550.0    9877.6    1552.7    9888.3
GR   1553.8    9892.1    1553.6    9897.6    1553.0    9910.7    1552.7    9915.0    1552.7    9916.1
GR   1552.9    9918.0    1554.0    9932.1    1553.9    9945.4    1553.5    9967.0    1553.5    9975.7
GR   1551.4    9980.5    1549.4    9985.3    1549.3   10000.0    1549.3   10012.8    1550.1   10016.2
GR   1553.3   10026.9    1553.3   10038.3    1553.3   10038.7    1553.4   10040.7    1554.0   10063.2
GR   1554.0   10109.0    1554.0   10122.0    1553.9   10135.0    1553.8   10139.0    1553.7   10142.0
GR   1553.5     10145    1553.5     10155    1553.7     10160    1553.7     10265    1552.9     10270
GR   1552.9     10275    1553.3     10280    1553.3     10285    1552.9     10295    1552.9     10300
GR   1553.3     10310      1554     10350      1554     10380    1553.5     10390      1554     10400
GR     1556     10615      1558     10715

NH       7      .055    9927.4      .09    9957.2     .028   10010.7      .09   10029.2     .055
NH   10162      .028   10182.8     .055   11080.4
QT       2      2943      2943
ET                7.1       9.1                                9871.0   10358.2      9925     10032
      100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
      HEC-1 MODEL I.D. NO.=C89.  (D.A.=18.60 SQ. MI.)
X1   9.262        70    9927.4   10029.2      550      550      550
GR   1558.9    9871.0    1557.3    9880.5    1556.9    9896.1    1556.7    9908.5    1556.7    9922.4
GR   1556.1    9927.4    1552.8    9947.0    1552.7    9948.2    1552.8    9957.2    1553.3   10000.0
GR   1555.3   10010.7    1556.2   10015.1    1556.6   10023.4    1556.7   10029.2    1556.0   10054.7
GR   1556.0   10070.7    1556.6   10079.2    1557.3   10084.6    1556.9   10094.7    1557.0   10128.0
GR   1556.6   10159.5    1556.3     10162    1554.7   10171.0    1554.7   10177.5    1554.7   10182.8
GR   1555.4   10187.5    1556.7   10195.0    1556.7   10244.2    1556.7   10248.1    1556.7   10248.7
GR   1556.6   10249.9    1556.3   10268.8    1557.0   10281.9    1557.1   10287.0    1557.4   10294.7
GR   1557.5   10336.8    1557.4   10344.3    1557.4   10351.5    1557.6   10358.2    1557.6   10366.0
GR   1557.5   10370.4    1556.8   10458.5    1556.6   10459.4    1556.0   10467.6    1556.7   10478.0
GR   1556.7   10478.6    1556.7   10480.8    1557.6   10573.5    1557.1   10622.3    1557.4   10659.3
GR   1557.3   10668.0    1557.2   10669.8    1556.7   10677.8    1556.8   10680.2    1557.3   10688.8
GR   1557.5   10710.9    1557.6   10756.7    1557.7   10772.5    1558.6   10806.0    1559.0   10818.7
GR   1559.0   10836.5    1559.3   10860.5    1559.0   10895.7    1559.1   10941.3    1559.3   10977.2
GR   1559.7   10984.8    1561.1   11030.6    1561.3   11039.2    1561.4   11045.0    1561.9   11080.4

NH       7      .055    9956.2      .09    9970.5     .028   10019.9      .09   10071.9     .028
NH   10098       .09   10111.7     .055   11129.2
ET                7.1       9.1                                9586.1   10274.6    9956.2    10090
X1   9.375        89    9956.2   10056.5      650      510      595
GR   1562.7    9586.1    1561.7    9597.7    1561.4    9599.3    1561.1    9611.7    1560.2    9647.2
GR   1559.8    9651.1    1558.8    9664.2    1559.2    9669.8    1560.0    9674.5    1560.2    9705.7
GR   1560.1    9718.7    1559.9    9740.3    1559.9    9743.4    1559.9    9746.8    1559.8    9753.0
GR   1559.7    9771.4    1560.1    9785.9    1560.1    9798.3    1559.5    9812.4    1559.1    9821.9
GR   1559.9    9846.3    1560.1    9849.5    1560.0    9852.6    1559.7    9879.9    1559.3    9893.2
GR   1559.8    9913.3    1560.0    9924.2    1559.9    9932.5    1559.3    9956.2    1558.4    9962.3
GR   1556.9    9970.5    1556.0    9980.7    1556.0   10000.0    1556.0   10019.9    1556.5   10022.9
GR   1557.8   10031.2    1557.8   10031.8    1557.3   10036.6    1559.2   10048.2    1559.6   10056.5
```

```
GR   1559.4   10066.2   1559.3   10071.8   1559.2   10071.9   1556.6   10087.1   1556.6   10089.5
GR   1556.6     10098   1558.0   10105.2   1559.3   10111.7   1559.4   10119.9   1559.3   10140.8
GR   1559.5   10175.4   1559.4   10183.5   1559.3   10188.0   1559.4   10195.1   1560.4   10274.6
GR   1559.8   10315.3   1559.7   10333.5   1559.3   10354.3   1558.8   10365.2   1558.7   10366.1
GR   1558.7   10366.6   1559.0   10371.1   1559.3   10376.2   1559.3   10376.8   1559.3   10422.7
GR   1560.5   10475.3   1560.6   10486.0   1560.7   10495.0   1560.2   10524.6   1560.6   10649.9
GR   1560.6   10666.3   1560.6   10671.4   1560.6   10679.6   1560.5   10695.1   1560.4   10730.8
GR   1560.8   10768.3   1560.9   10801.9   1561.6   10838.6   1562.4   10908.0   1562.7   10922.4
GR   1562.7   10924.3   1562.3   10946.6   1562.0   10960.1   1561.3   10976.5   1561.1   10990.9
GR   1562.5   10998.8   1562.9   11003.6   1563.0   11054.5   1563.2   11129.2

NH         7      .055   9889.1       .09   9903.9      .028   9924.3       .09   9975.5      .028
NH     10019       .09  10031.1      .055  10800.1
ET                        9.1                                                     9900.9  10067.3
X1     9.481        86   9900.9  10031.1       535       580       560
GR   1568.7    9386.1   1567.3    9399.3   1566.2    9427.1   1565.7    9442.4   1564.3    9477.4
GR   1563.5    9510.7   1563.3    9512.1   1562.9    9518.9   1563.4    9524.4   1564.0    9536.5
GR   1563.5    9548.0   1563.3    9572.7   1564.0    9581.9   1564.1    9621.6   1564.1    9681.0
GR   1563.7    9701.8   1564.5    9758.8   1564.8    9780.1   1564.8    9782.2   1564.6    9789.1
GR   1564.3    9794.2   1562.7    9864.8   1562.3    9866.9   1560.2    9877.7   1560.0    9887.1
GR   1560.0    9889.1   1562.6    9900.9   1559.9    9903.9   1560.0    9913.3   1560.0    9924.3
GR   1561.0    9928.2   1562.4    9934.3   1562.8    9949.2   1562.0    9974.5   1562.0    9975.1
GR   1561.9    9975.5   1558.8    9984.6   1558.4   10000.0   1558.0     10019   1559.6   10024.5
GR   1562.7   10031.1   1562.7   10049.0   1562.7   10077.2   1561.6   10083.5   1560.0   10087.9
GR   1561.3   10096.5   1563.3   10106.5   1563.3   10113.4   1563.1   10123.6   1562.4   10130.9
GR   1561.8   10136.2   1562.4   10165.2   1562.6   10171.6   1562.9   10189.5   1563.4   10297.1
GR   1563.3   10313.9   1563.3   10316.1   1564.7   10345.2   1564.6   10369.9   1564.4   10381.5
GR   1564.4   10389.6   1565.4   10410.4   1565.9   10417.6   1566.0   10421.7   1566.6   10496.6
GR   1566.6   10502.8   1566.5   10505.0   1565.2   10539.7   1565.8   10549.0   1566.8   10566.5
GR   1566.8   10599.8   1566.8   10616.1   1565.3   10635.2   1565.3   10659.0   1565.3   10659.3
GR   1566.6   10667.8   1566.8   10670.6   1567.0   10676.0   1567.2   10695.6   1567.8   10705.2
GR   1568.0   10717.0   1568.0   10724.3   1568.0   10725.3   1568.1   10728.0   1568.1   10744.9
GR   1568.7   10800.1

NH        10      .055   9814.3       .09   9824.2      .028   9839.6      .055   9882.5       .09
NH    9987.3      .028  10015.3       .09  10037.4      .028  10057.5       .09  10071.6      .055
NH     10300
ET                        9.1                                                     9814.3  10071.6
X1     9.585        95   9814.3  10071.6       510       550       550
GR   1571.1    9333.5   1570.5    9347.0   1570.1    9358.7   1569.6    9379.9   1568.7    9398.1
GR   1568.7    9400.1   1568.8    9403.9   1568.6    9421.7   1568.3    9450.0   1568.1    9462.2
GR   1568.2    9472.0   1568.2    9475.0   1568.1    9479.1   1568.0    9492.7   1567.3    9497.1
GR   1566.7    9499.5   1567.2    9504.2   1567.3    9505.3   1566.9    9517.6   1566.7    9524.2
GR   1567.1    9527.6   1568.0    9534.2   1567.7    9551.1   1567.9    9577.5   1566.6    9587.3
GR   1566.0    9594.2   1568.4    9605.8   1568.4    9607.0   1566.7    9617.4   1567.4    9620.0
GR   1568.2    9623.1   1568.0    9634.0   1567.4    9675.8   1566.5    9679.6   1565.2    9683.0
GR   1565.5    9685.3   1567.2    9693.9   1567.1    9714.1   1566.9    9754.3   1566.1    9765.5
GR   1566.0    9767.5   1566.3    9769.6   1567.3    9776.4   1568.0    9813.0   1568.0    9814.2
GR   1567.9    9814.3   1563.3    9824.2   1563.3    9833.0   1563.4    9834.6   1564.6    9839.6
GR   1566.0    9846.0   1566.3    9858.2   1566.8    9875.2   1566.8    9882.5   1566.3    9920.2
GR   1567.2    9945.1   1567.2    9946.8   1567.3    9948.2   1567.2    9949.9   1565.4    9963.7
GR   1565.3    9964.5   1565.4    9965.7   1566.1    9970.2   1566.0    9974.5   1565.7    9984.6
GR   1564.9    9987.3   1563.5    9997.6   1562.9   10000.0   1562.7   10009.9   1562.7   10015.2
GR   1563.5   10015.3   1564.7   10023.7   1564.7   10024.3   1564.0   10037.4   1563.2   10040.2
```

```
GR   1562.8    10041.1    1562.7    10041.2    1562.7    10042.0    1562.0    10057.2    1562.1    10057.5
GR   1564.6    10065.4    1566.7    10071.6    1566.7    10071.8    1566.7    10075.4    1566.0    10134.8
GR   1565.6    10140.2    1565.2    10141.6    1565.4    10142.9    1566.4    10146.5    1567.1    10200.4
GR   1567.2    10211.1    1567.6    10220.0    1568.7    10259.0    1568.8    10264.1    1570.7      10300

NH        5        .055    9945.1        .09    9995.1        .028   10037.2        .09    10048.2       .055
NH    10636
ET                         9.1                                                            9940.8    10191.5
X1    9.691          94    9945.1    10048.2        460         600         560
GR   1579.0    9298.7     1579.0    9300.5     1578.2    9303.9     1578.0    9307.9     1576.7    9331.6
GR   1576.6    9332.0     1576.4    9332.4     1576.0    9340.9     1574.9    9356.1     1574.1    9394.5
GR   1573.0    9415.9     1572.4    9453.6     1571.9    9514.3     1571.4    9545.8     1570.1    9550.2
GR   1571.4    9550.3     1571.0    9557.1     1571.5    9558.2     1571.2    9563.7     1571.3    9584.2
GR   1570.9    9586.3     1571.5    9591.5     1571.9    9607.8     1572.1    9631.8     1570.0    9638.5
GR   1570.1    9640.1     1571.5    9652.9     1571.6    9656.1     1571.5    9672.4     1570.9    9816.1
GR   1570.9    9818.4     1570.9    9818.4     1570.9    9818.7     1570.4    9826.9     1570.4    9827.9
GR   1570.2    9830.3     1571.1    9840.3     1570.9    9876.0     1571.1    9945.1     1570.7    9974.6
GR   1568.3    9995.1     1567.9    9997.9     1567.9    10000.0    1566.7    10037.2    1570.6    10045.7
GR   1572.0    10048.2    1570.7    10102.0    1570.2    10130.6    1570.5    10138.0    1570.3    10165.2
GR   1570.0    10189.3    1569.4    10191.1    1569.8    10198.7    1570.4    10201.5    1570.0    10211.7
GR   1570.0    10219.7    1569.1    10225.6    1568.7    10229.9    1568.9    10231.2    1569.8    10235.0
GR   1569.8    10244.8    1570.0    10251.6    1569.2    10254.2    1568.7    10258.1    1569.0    10259.2
GR   1570.6    10264.2    1570.6    10267.9    1570.0    10288.7    1569.3    10296.0    1569.3    10296.6
GR   1569.9    10299.5    1569.9    10300.6    1569.9    10307.0    1569.5    10326.7    1569.9    10333.3
GR   1570.1    10336.1    1570.1    10336.3    1570.2    10338.5    1571.1    10349.8    1572.7    10372.6
GR   1572.7    10375.8    1572.7    10383.8    1572.9    10406.8    1571.9    10418.4    1571.0    10429.0
GR   1572.3    10441.2    1572.9    10448.1    1573.3    10470.7    1573.7    10491.2    1574.0    10507.1
GR   1576.8    10545.5    1578.0    10562.7    1577.7    10575.7    1577.8      10636

NH        5        .055    9958.7        .09    9973.9        .028   10034.5        .09    10071.4       .055
NH    10853
ET                         9.1                                                            9958.7    10341.1
      CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
      CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
      GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
      SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
      PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
      THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
      INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
      ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
      WHEN INSPECTED BY A-N WEST IN NOV.,1992.
      THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
      GRADE WITH THE WASH.
X1    9.765          84    9958.7    10071.4        350         350         390
GR   1583.3    9526.3     1583.2    9529.3     1581.2    9558.9     1580.4    9568.1     1575.2    9617.9
GR   1574.7    9625.4     1574.7    9642.0     1573.7    9676.6     1573.2    9696.8     1573.1    9702.8
GR   1572.7    9731.2     1572.1    9741.9     1572.0    9742.7     1572.1    9743.2     1572.7    9747.8
GR   1572.7    9753.8     1573.2    9766.2     1573.1    9771.2     1573.1    9818.1     1573.3    9849.9
GR   1573.3    9863.0     1573.8    9904.3     1573.7    9914.8     1573.9    9924.0     1572.5    9935.2
GR   1571.8    9935.5     1572.0    9940.5     1573.9    9956.8     1574.0    9957.5     1574.0    9958.7
GR   1573.9    9959.1     1570.5    9973.9     1569.1    10000.0    1569.4    10027.4    1569.3    10031.1
GR   1569.0    10034.5    1572.4    10047.3    1572.7    10049.9    1573.2    10071.4    1572.2    10170.0
GR   1572.1    10183.5    1572.1    10197.4    1571.9    10209.2    1571.2    10301.5    1571.3    10311.8
GR   1571.3    10333.4    1571.3    10363.8    1570.9    10370.2    1570.5    10371.7    1571.0    10380.1
```

GR	1571.3	10380.9	1571.5	10394.2	1572.0	10436.9	1571.8	10439.1	1570.7	10450.1
GR	1570.9	10454.0	1571.3	10461.2	1571.3	10481.6	1571.3	10487.2	1571.3	10488.0
GR	1571.2	10493.9	1571.2	10537.7	1571.4	10538.2	1572.0	10548.0	1571.9	10557.2
GR	1572.0	10575.6	1572.0	10616.2	1572.2	10617.3	1573.1	10634.3	1574.0	10647.3
GR	1574.0	10648.2	1574.2	10656.3	1574.2	10662.9	1574.5	10675.7	1575.7	10723.8
GR	1575.4	10739.6	1576.9	10766.3	1577.1	10773.0	1576.8	10784.6	1576.7	10789.3
GR	1578.0	10804.0	1578.5	10813.7	1579.2	10829.6	1580.0	10853		
NH	5	.055	9921.2	.09	9944.5	.028	10001.6	.09	10037.1	.055
NH	10825									
ET			9.1						9930.9	10320
X1	9.783	90	9921.2	10020.9	92.8	92.8	94.8			
GR	1580.8	9521.6	1580.1	9536.4	1579.4	9563.6	1578.5	9571.6	1577.1	9582.7
GR	1575.8	9609.3	1575.3	9626.2	1575.0	9638.5	1577.0	9643.7	1577.5	9652.0
GR	1577.0	9654.3	1577.0	9655.4	1576.4	9657.0	1574.7	9661.4	1574.6	9666.7
GR	1574.3	9673.4	1574.0	9683.5	1574.0	9684.3	1573.9	9689.8	1573.3	9724.3
GR	1573.3	9756.9	1573.2	9763.6	1573.3	9765.5	1573.4	9801.9	1574.0	9832.5
GR	1574.7	9916.8	1574.7	9921.2	1574.7	9929.8	1574.2	9938.7	1572.0	9944.5
GR	1572.2	9948.7	1571.8	10000.0	1572.0	10001.5	1572.0	10001.6	1574.2	10010.8
GR	1574.3	10016.5	1574.5	10020.9	1574.1	10037.1	1574.0	10048.6	1573.3	10082.8
GR	1573.3	10098.8	1573.2	10105.1	1572.7	10130.6	1572.8	10131.9	1572.7	10132.9
GR	1572.7	10167.2	1572.7	10168.1	1572.7	10180.3	1572.2	10204.2	1572.0	10238.7
GR	1571.9	10299.0	1571.7	10300.2	1571.8	10301.6	1571.9	10307.6	1572.0	10316.4
GR	1571.9	10366.4	1571.8	10372.5	1571.8	10384.6	1571.8	10412.8	1571.9	10415.1
GR	1571.8	10468.9	1572.0	10476.7	1571.8	10480.1	1571.8	10492.0	1571.8	10496.3
GR	1571.8	10568.4	1571.8	10572.3	1571.8	10574.9	1572.0	10578.5	1572.0	10595.4
GR	1572.0	10622.1	1572.0	10627.2	1572.0	10627.5	1573.8	10647.9	1574.1	10650.5
GR	1574.0	10655.4	1574.0	10655.5	1574.0	10656.6	1575.0	10690.4	1574.7	10701.8
GR	1574.7	10703.3	1575.0	10721.7	1576.9	10746.0	1577.4	10751.4	1577.9	10756.6
GR	1579.3	10774.0	1579.3	10774.2	1579.4	10780.9	1579.0	10804.5	1580.0	10825
NH	5	.055	9981.7	.09	9991.6	.028	10020.6	.09	10033.9	.055
NH	11184									
ET		7.1	9.1				9724.5	10947.1	9970	10440
X1	9.888	94	9981.7	10033.9	510	580	555			
GR	1582.3	9724.5	1581.3	9738.3	1579.1	9766.0	1577.2	9789.5	1577.1	9803.9
GR	1575.9	9877.1	1576.0	9880.7	1576.4	9889.7	1577.3	9961.7	1577.5	9981.7
GR	1575.1	9986.4	1573.2	9991.6	1573.5	10000.0	1574.0	10020.6	1575.5	10026.0
GR	1577.6	10033.9	1577.1	10094.2	1576.9	10110.5	1576.8	10116.5	1576.2	10148.0
GR	1576.0	10150.5	1575.5	10160.3	1575.8	10165.8	1576.0	10167.3	1576.0	10169.8
GR	1575.3	10203.9	1575.3	10204.7	1575.3	10205.9	1576.0	10248.8	1575.9	10254.0
GR	1575.8	10261.2	1575.5	10270.9	1575.4	10285.7	1575.1	10318.2	1575.2	10372.8
GR	1575.2	10391.4	1575.2	10393.8	1574.9	10395.3	1574.0	10399.0	1574.3	10400.9
GR	1575.0	10405.0	1574.7	10442.8	1574.4	10475.6	1573.9	10479.5	1573.4	10482.9
GR	1574.2	10492.8	1574.7	10495.0	1574.7	10498.2	1574.7	10505.3	1574.7	10508.2
GR	1574.7	10527.4	1573.7	10534.9	1573.7	10537.6	1573.7	10538.5	1574.1	10541.9
GR	1574.7	10544.6	1574.7	10557.6	1574.6	10586.2	1574.6	10586.8	1574.7	10593.3
GR	1575.4	10611.1	1576.0	10644.3	1576.1	10650.9	1576.1	10655.8	1576.2	10685.3
GR	1575.9	10697.7	1575.8	10700.2	1576.0	10708.4	1577.2	10732.7	1577.3	10734.6
GR	1578.5	10770.3	1578.6	10774.1	1578.5	10778.8	1577.5	10798.6	1577.6	10810.0
GR	1579.6	10857.6	1579.6	10863.4	1580.3	10884.6	1580.7	10931.5	1581.0	10947.1
GR	1580.9	10968.8	1580.9	10993.4	1580.1	11048.9	1580.0	11051.8	1580.0	11052.5
GR	1579.9	11054.0	1578.0	11091.6	1577.5	11104.7	1577.6	11108.4	1577.6	11110.1
GR	1579.2	11142.5	1579.3	11147.7	1580.0	11157.1	1581.3	11184		

NH	5	.055	9965.8	.09	9996.7	.028	10020.6	.09	10133.7	.055
NH	11343									
ET		7.1	9.1				9839.0	10585.4	9973.0	10312.0
X1	9.997	94	9934.7	10133.7	570	575	575			
GR	1585.3	9839.0	1583.9	9854.6	1582.0	9873.3	1581.0	9883.3	1580.8	9885.3
GR	1580.7	9888.5	1581.0	9890.3	1580.8	9898.7	1580.7	9900.6	1582.3	9921.6
GR	1583.0	9931.7	1583.2	9934.7	1583.0	9938.4	1582.7	9965.8	1582.4	9970.1
GR	1581.1	9981.8	1576.2	9996.7	1576.0	9997.2	1576.0	9997.5	1576.2	10000.0
GR	1577.2	10020.6	1577.7	10022.5	1580.4	10027.8	1581.0	10133.7	1581.0	10136.4
GR	1580.1	10231.5	1580.0	10253.9	1579.7	10275.4	1579.3	10332.4	1579.2	10344.4
GR	1578.7	10398.5	1578.7	10412.4	1578.7	10425.2	1578.2	10429.2	1577.8	10434.3
GR	1577.8	10436.9	1578.4	10442.2	1578.0	10444.8	1578.6	10450.7	1582.3	10484.2
GR	1583.2	10501.4	1583.5	10509.3	1583.4	10534.3	1583.4	10540.5	1583.1	10544.8
GR	1582.2	10556.3	1583.8	10585.4	1583.9	10587.1	1583.9	10590.4	1582.7	10634.3
GR	1579.6	10672.4	1578.7	10682.1	1578.6	10687.9	1578.0	10715.5	1578.0	10723.4
GR	1578.0	10819.6	1578.0	10827.3	1578.0	10829.3	1578.0	10832.3	1577.4	10865.7
GR	1577.5	10867.9	1577.8	10870.9	1580.6	10911.2	1580.6	10912.6	1580.7	10913.6
GR	1580.7	10914.0	1580.8	10915.0	1582.0	10947.9	1581.8	10977.3	1581.0	11004.1
GR	1581.5	11049.1	1582.1	11057.0	1582.2	11061.9	1582.0	11070.0	1582.0	11077.5
GR	1580.2	11101.7	1580.0	11103.2	1580.2	11109.8	1580.6	11124.4	1580.3	11127.0
GR	1579.9	11136.6	1580.2	11139.8	1580.7	11150.7	1581.0	11156.4	1581.3	11169.3
GR	1581.3	11169.9	1582.6	11189.0	1582.7	11191.5	1582.6	11192.2	1582.8	11207.6
GR	1583.7	11248.2	1583.3	11281.9	1583.3	11304.4	1582.8	11343		

NH	5	.055	9938.7	.09	9986.4	.028	10022.3	.09	10036.9	.055
NH	11220									
ET		7.1	9.1				9636.1	10303.5	9930	10200
X1	10.103	94	9938.7	10036.9	560	390	560			
GR	1584.8	9636.1	1584.6	9641.9	1584.4	9650.2	1583.7	9702.5	1583.3	9740.6
GR	1583.5	9779.9	1583.2	9788.9	1582.7	9841.7	1582.7	9843.1	1581.8	9850.4
GR	1581.3	9877.1	1581.4	9877.3	1582.0	9887.8	1582.7	9919.1	1582.8	9938.7
GR	1582.7	9959.2	1582.7	9971.0	1581.7	9975.3	1579.6	9986.4	1579.3	10000.0
GR	1579.9	10018.6	1580.0	10022.3	1580.9	10027.4	1582.7	10036.9	1583.5	10097.7
GR	1583.7	10118.3	1582.8	10155.3	1581.9	10193.6	1581.8	10197.3	1581.3	10206.5
GR	1581.3	10229.3	1581.3	10230.0	1581.3	10230.5	1580.0	10239.1	1581.0	10245.5
GR	1582.0	10270	1584.0	10303.5	1583.9	10310.3	1583.2	10337.4	1582.9	10342.0
GR	1581.8	10352.7	1582.7	10361.1	1583.4	10377.0	1583.5	10384.7	1583.8	10392.4
GR	1584.6	10411.9	1585.2	10433.6	1585.3	10435.6	1585.8	10467.0	1585.9	10475.0
GR	1586.0	10479.8	1585.9	10482.8	1585.8	10492.0	1585.5	10519.7	1585.6	10528.8
GR	1586.3	10548.4	1586.2	10581.5	1585.8	10596.1	1584.8	10628.4	1584.7	10635.8
GR	1584.0	10653.9	1583.0	10672.1	1582.8	10691.5	1579.4	10726.1	1579.3	10728.5
GR	1579.3	10804.7	1579.3	10807.0	1579.4	10856.7	1579.3	10896.5	1579.9	10906.5
GR	1580.1	10909.3	1580.5	10913.8	1582.1	10936.1	1583.1	10945.0	1584.4	10953.2
GR	1584.7	10955.0	1584.8	10960.0	1585.0	10980.5	1585.3	10990.7	1585.9	11042.6
GR	1585.9	11048.5	1585.9	11050.9	1586.0	11053.6	1585.9	11058.5	1584.7	11118.3
GR	1584.7	11118.5	1583.4	11129.4	1583.4	11130.3	1583.4	11142.1	1583.4	11143.7
GR	1583.6	11149.6	1583.9	11161.0	1584.0	11165.2	1586.0	11220		

```
NH       7      .055    9988.2       .09    10000.0       .028    10024.0       .09    10107.3       .028
NH   10121       .09   10141.1      .055    10274.6
ET               7.1       9.1                                   9332.3   10263.3     9771.0    10073.9
      PER SEC.4.827 COMMENTS, GR PTS. REMOVED OUTSIDE INEFF. AREA LIMITS.
X1   10.207        40    9988.2   10073.9        500        620        550
GR   1591.3    9332.3    1589.3    9354.5     1588.9     9361.8     1588.0    9390.6     1588.2    9392.1
GR   1588.0    9405.2    1587.7    9420.0     1587.6     9438.3     1587.6    9449.3     1587.3    9460.3
GR   1586.9    9529.6    1586.8    9537.0     1586.6     9550.5     1585.1    9617.9     1585.0    9676.1
GR   1585.0    9708.0    1585.2    9780.9     1585.3     9879.8     1585.9    9914.7     1585.8    9975.2
GR   1585.8    9988.2    1585.2    9990.2     1582.0    10000.0     1582.0   10013.6     1582.0   10020.8
GR   1582.8   10024.0    1585.7   10033.2     1586.0    10073.9     1586.0   10094.0     1584.5   10107.3
GR   1583.2   10117.6    1583.7     10121     1585.3    10129.5     1585.2   10141.1     1585.3   10175.3
GR   1585.6   10181.9    1586.7   10211.3     1587.1    10244.4     1587.3   10263.3     1587.3   10274.6

NH       5      .055    9956.8       .09     9968.4       .028    10002.4       .09    10020.1       .055
NH   10648
ET                       9.1                                                           9676.4    10055.3
X1   10.311        70    9956.8   10020.1        550        550        550
GR   1600.2    9119.6    1600.0    9122.9     1600.0     9123.7     1599.1    9126.6     1597.1    9134.8
GR   1594.8    9144.8    1593.7    9151.4     1592.0     9162.3     1591.7    9166.9     1590.9    9239.4
GR   1590.4    9277.5    1590.3    9293.5     1590.0     9311.8     1588.4    9399.2     1588.0    9412.7
GR   1588.1    9415.7    1588.5    9427.1     1588.7     9436.2     1588.7    9473.4     1588.7    9475.3
GR   1588.7    9480.9    1588.5    9487.1     1588.5     9528.9     1588.5    9530.3     1588.3    9566.0
GR   1588.0    9672.4    1588.0    9677.2     1588.2     9730.8     1588.3    9744.5     1588.4    9762.6
GR   1588.4    9803.9    1588.7    9813.7     1588.6     9896.0     1588.6    9902.8     1588.8    9956.8
GR   1587.5    9960.2    1585.0    9968.4     1585.3    10000.0     1585.3   10002.4     1586.6   10009.6
GR   1588.6   10020.1    1588.4   10027.3     1587.8    10055.2     1587.4   10106.0     1587.3   10107.4
GR   1587.3   10138.6    1587.5   10157.8     1587.5    10164.5     1587.5   10180.6     1587.5   10186.7
GR   1587.6   10188.9    1588.7   10235.2     1588.7    10240.4     1588.2   10248.2     1589.2   10263.8
GR   1589.9   10286.0    1590.0   10289.6     1590.0    10290.9     1590.4   10333.3     1590.3   10337.8
GR   1590.6   10346.1    1591.4   10413.4     1592.2    10434.1     1592.6   10444.6     1592.7   10446.2
GR   1595.8   10515.1    1596.3   10526.0     1596.9    10542.8     1597.0   10550.2     1598.4     10648

NH       5      .055    9959.8       .09     9988.5       .028    10009.9       .09    10026.2       .055
NH   10464
ET                       9.1                                                           9905.3    10093.8
X1   10.415        66    9959.8   10026.2        640        540        550
GR   1600.6    9165.8    1596.8    9189.6     1596.0     9196.8     1595.4    9231.9     1595.0    9257.5
GR   1594.2    9319.6    1594.1    9326.1     1593.9     9345.8     1593.8    9359.8     1593.6    9402.8
GR   1593.3    9454.5    1593.2    9461.9     1592.9     9465.4     1592.4    9473.0     1592.8    9476.0
GR   1593.3    9485.2    1593.4    9510.5     1593.3     9515.2     1593.3    9526.8     1593.2    9528.0
GR   1593.3    9537.8    1592.9    9563.5     1592.3     9629.8     1592.7    9663.4     1592.8    9672.7
GR   1592.8    9676.1    1592.7    9683.5     1592.7     9696.7     1592.4    9741.9     1592.5    9808.8
GR   1592.7    9822.1    1592.1    9832.6     1591.8     9860.7     1591.6    9902.5     1591.6    9922.3
GR   1591.8    9941.9    1591.9    9959.8     1591.3     9964.8     1589.3    9973.7     1588.7    9988.5
GR   1588.2   10000.0    1588.0   10009.9     1589.5    10016.2     1592.0   10026.2     1592.0   10043.7
GR   1591.9   10050.9    1591.6   10070.9     1591.0    10118.8     1592.4   10152.7     1592.7   10161.3
GR   1591.5   10193.3    1591.3   10197.3     1591.3    10199.7     1591.3   10212.2     1591.8   10268.1
GR   1592.1   10282.3    1593.4   10300.7     1597.8    10363.6     1597.9   10364.3     1597.5   10368.9
GR   1596.9   10379.6    1595.4   10401.0     1595.2    10404.2     1595.8   10411.1     1598.4   10443.1
GR   1600.4     10464
```

```
NH       7      .055    9898.6      .09    9907.5     .028    9918.5      .09    9960.8     .028
NH   10038       .09   10053.6     .055   10471.6
ET                      9.1                                                     9884.9   10067.4
X1  10.521        70    9898.6  10053.6       520      525       560
GR  1603.2    9291.0    1600.9   9300.6    1599.4   9311.1    1598.9   9323.7    1597.3   9338.6
GR  1597.1    9348.5    1596.3   9378.0    1596.3   9402.2    1596.7   9430.4    1596.4   9456.8
GR  1596.8    9467.9    1596.2   9513.3    1596.0   9545.2    1596.0   9565.4    1596.0   9575.7
GR  1596.0    9595.5    1595.9   9610.9    1595.3   9675.6    1595.3   9682.2    1595.3   9686.6
GR  1595.8    9727.5    1595.9   9751.1    1595.9   9800.0    1595.7   9823.8    1595.3   9836.0
GR  1595.1    9845.6    1594.7   9885.1    1594.9   9898.6    1592.4   9907.5    1592.0   9909.5
GR  1592.1    9910.5    1592.3   9918.5    1593.5   9926.8    1594.2   9930.2    1594.3   9945.7
GR  1594.7    9960.8    1592.7   9965.3    1591.9   9966.9    1592.0  10000.0    1592.0  10021.5
GR  1592.0   10025.2    1592.1     10038   1593.0  10044.0    1594.7  10053.6    1594.4  10075.9
GR  1594.0   10102.5    1594.3  10118.5    1594.7  10133.5    1594.8  10146.1    1594.9  10155.7
GR  1595.1   10192.6    1595.2  10227.4    1595.7  10245.4    1596.4  10267.9    1596.4  10269.1
GR  1596.3   10292.2    1596.3  10292.6    1596.3  10307.0    1596.5  10321.3    1596.9  10348.3
GR  1597.3   10360.9    1597.3  10369.2    1597.8  10377.3    1599.6  10397.0    1600.8  10409.8
GR  1601.1   10412.8    1602.9  10433.1    1603.5  10441.1    1605.1  10456.5    1606.4  10471.6

NH       7      .055    9797.4      .09    9806.8     .028    9822.2      .09    9996.3     .028
NH   10040       .09   10059.3     .055   10400.6
ET                      9.1                                                     9797.4   10059.3
X1  10.606        71    9797.4  10059.3       380      475       450
GR    1602      9320    1601.8   9361.3    1600.1   9385.2    1599.2   9436.8    1599.1   9454.2
GR  1598.8    9460.3    1598.7   9478.3    1598.6   9492.6    1598.3   9555.5    1598.0   9592.7
GR  1597.9    9598.4    1597.7   9601.3    1597.3   9609.6    1597.8   9634.3    1597.9   9636.5
GR  1597.8    9643.4    1597.8   9660.4    1597.8   9660.7    1597.8   9665.0    1597.9   9688.3
GR  1597.9    9691.0    1598.0   9693.8    1598.1   9703.8    1598.2   9768.8    1598.0   9778.7
GR  1598.0    9783.8    1598.0   9788.2    1597.8   9797.4    1596.7   9801.8    1595.0   9806.8
GR  1595.3    9820.5    1595.3   9821.7    1595.4   9822.2    1597.3   9839.5    1597.7   9845.8
GR  1597.5    9853.5    1597.8   9875.7    1598.1   9947.6    1597.3   9967.6    1597.1   9986.5
GR  1594.9    9996.3    1594.0  10000.0    1593.6  10026.5    1593.3     10040   1596.3  10051.1
GR  1596.7   10052.1    1596.7  10059.3    1596.7  10078.1    1597.0  10081.3    1600.0  10105.3
GR  1601.4   10139.3    1601.5  10142.7    1600.8  10155.0    1600.7  10162.3    1600.7  10177.5
GR  1600.6   10190.1    1600.7  10209.4    1600.7  10215.6    1600.7  10217.4    1600.7  10218.0
GR  1600.7   10247.2    1600.5  10252.9    1600.6  10261.8    1601.0  10276.8    1601.1  10295.5
GR  1601.3   10304.0    1601.9  10354.1    1602.0  10364.5    1602.3  10377.1    1603.0  10392.3
GR  1603.3   10400.6

NH       5      .055    9957.9      .09    9975.8     .028   10017.7      .09   10064.7     .055
NH   10539
ET                      9.1                                                      9920     10066
        PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.
X1  10.681        56    9957.9  10064.7       325      400       395
GR    1606      9400      1604     9435      1602     9470    1600.3     9600    1600.3   9732.0
GR  1600.0    9773.2    1600.0   9812.0    1599.5   9850.6    1599.3   9869.8    1599.3   9871.1
GR  1599.3    9871.6    1599.3   9872.7    1599.3   9875.1    1599.3   9888.5    1599.3   9897.0
GR  1599.4    9898.4    1599.3   9900.4    1599.4   9923.9    1599.4   9925.9    1599.3   9957.6
GR  1599.3    9957.9    1597.1   9972.9    1596.6   9975.8    1596.3  10000.0    1596.0  10000.0
GR  1596.3   10015.7    1596.3  10017.7    1597.3  10029.7    1598.0  10040.6    1599.1  10053.1
GR  1599.5   10064.7    1599.4  10073.7    1599.4  10087.2    1598.7  10112.2    1598.5  10122.6
GR  1599.3   10168.7    1599.3  10174.1    1599.3  10175.5    1599.3  10183.0    1599.9  10207.8
GR  1599.9   10212.6    1598.7  10235.3    1598.7  10235.5    1599.9  10249.6    1600.2  10254.1
```

```
GR  1601.4   10295.8   1601.9   10305.3   1602.7   10342.3   1602.7   10342.7   1602.7   10342.8
GR  1602.8   10357.7   1603.3   10408.0   1603.3   10409.2   1604.4   10487.6   1604.7   10510.1
GR  1605.3     10539

NH        5      .055   9977.3       .09   9993.6      .028   10025.0       .09   10040.0      .055
NH    10619
ET                         9.1                                                      9960      10150
X1   10.787        59   9977.3   10040.0      510       560       560
GR  1610.8   9682.6   1611.0   9688.4   1610.1   9698.7   1610.1   9700.0   1609.3   9705.0
GR  1609.4   9718.0   1609.8   9726.3   1609.7   9728.3   1608.2   9740.3   1607.4   9746.5
GR  1607.4   9749.0   1607.0   9785.6   1606.6   9798.3   1603.5   9834.8   1603.1   9845.2
GR  1602.7   9851.2   1602.7   9852.8   1602.7   9860.8   1602.7   9868.8   1602.5   9871.3
GR  1602.0   9878.3   1602.5   9884.8   1602.8   9886.4   1603.0   9905.9   1603.6   9977.3
GR  1600.5   9989.8   1599.5   9993.6   1599.5   10000.0   1599.0   10025.0   1600.5   10031.9
GR  1603.6   10040.0   1603.3   10064.8   1604.0   10076.9   1604.0   10109.4   1603.0   10110.9
GR  1601.4   10114.6   1600.0   10115.7   1600.6   10117.7   1602.0   10122.7   1603.3   10126.7
GR  1603.2   10131.4   1603.3   10151.7   1603.3   10189.5   1603.2   10211.0   1603.6   10243.9
GR  1603.3   10284.2   1602.9   10324.8   1604.7   10350.9   1605.6   10365.4   1606.3   10420.0
GR  1606.4   10433.0   1606.7   10451.2   1606.7   10470.7   1606.7   10477.1   1606.7   10481.6
GR  1606.8   10487.4   1608.3   10551.3   1608.6   10563.0   1609.5     10619

NH        5      .055   9983.4       .09   9988.6      .028   10017.0       .09   10030.5      .055
NH    10921
QT        2      3120      3120
ET                         9.1                                                   9780.02   10716.29
          THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
          FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
          THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
          UPSTREAM AT SEC. 12.560.
          THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
          AT SEC. 11.512.
          INTERPOLATED 100-YR. 24-HR. DISCHARGE.
          NO FLOODWAY ENCROACHMENT UPSTREAM OF SEC. 10.89 BECAUSE OF WEST BREAKOUT
          WASH AND EAST SPLIT FLOW WASH WHICH DIVIDE FLOWS, UPSTREAM TO
          STUDY LIMITS.
          ANOTHER HEC2 ANALYSIS (FILE:DGWH8) WAS CONDUCTED WEREIN
          THE WEST BREAKOUT FLOWS WERE CONFINED TO THE MAIN CHANNEL AND EAST SPLIT
          (SEC. 10.89 TO 11.512) WITH THE FLOODPLAIN LIMITS HELD BY ENCROACHMENTS
          TO DETERMINE IF THE TOTAL FLOW COULD BE CONVEYED WITHOUT RISING MORE
          THAN ONE FOOT. TEN SECTIONS HAD WSEL RISES OF MORE THAN ONE FOOT.
          A FLOODWAY WAS THEREFORE NOT CONSIDERED APPLICABLE UPSTREAM OF SEC.10.89
          THE SEC. 10.89 FLOODWAY ENCROACHMENTS WERE SET AT THE FLOODPLAIN LIMITS
          TO FACILITATE THE TRANSITION FROM FLOODWAY TO NO FLOODWAY ABOVE THIS SEC
X1    10.89        75   9983.4   10030.5      550       570       550
GR  1616.2   9693.6   1616.2   9697.2   1616.1   9707.6   1616.0   9710.7   1615.5   9730.6
GR  1610.9   9764.8   1608.9   9777.8   1608.0   9784.6   1607.4   9826.3   1607.3   9827.8
GR  1607.3   9828.5   1607.6   9890.9   1607.8   9904.7   1607.7   9926.5   1607.3   9946.8
GR  1607.4   9952.2   1607.1   9983.4   1604.4   9986.3   1603.0   9988.6   1603.1   10000.0
GR  1603.0   10017.0   1605.4   10024.0   1607.6   10030.5   1607.6   10055.8   1607.8   10084.5
GR  1607.5   10092.2   1606.9   10103.9   1607.1   10120.6   1606.9   10143.4   1606.9   10171.3
GR  1607.5   10182.9   1607.8   10191.3   1607.9   10200.0   1607.7   10260.7   1607.5   10330.8
GR  1607.3   10339.4   1607.1   10340.7   1606.0   10349.9   1606.7   10353.3   1607.3   10360.8
GR  1607.3   10422.2   1607.3   10468.3   1607.1   10470.7   1606.4   10474.8   1606.8   10480.0
GR  1607.3   10483.8   1606.9   10499.6   1606.8   10508.1   1606.4   10510.5   1606.4   10512.2
```

GR	1606.4	10514.0	1606.9	10517.5	1607.3	10529.2	1607.3	10545.5	1607.1	10566.1
GR	1606.3	10568.4	1605.0	10572.5	1606.0	10578.4	1607.2	10585.0	1607.6	10623.6
GR	1607.5	10645.8	1608.5	10671.0	1609.1	10680.3	1609.1	10684.1	1608.7	10696.9
GR	1608.4	10705.3	1608.7	10721.3	1608.8	10731.6	1609.3	10783.4	1609.9	10807.0
GR	1610.0	10815.3	1610.1	10818.8	1610.3	10830.6	1612.0	10898.7	1613.1	10921

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

*PROF 1

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO .173
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

THIS FIXED ENCROACHMENT (METHOD 1) FLOODWAY WAS GENERATED FROM THE
EQUAL CONVEYANCE METHOD (METHOD 4) FLOODWAY (FILE:DGWN7).
CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
CONFLUENCE WITH HASSAYAMPA R.).
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI.).

.173	3.77	1253.07	.00	1252.00	1253.30	.24	.00	.00	1253.50
3041.0	1813.6	432.7	794.7	402.1	124.2	355.3	.0	.0	1253.10
.00	4.51	3.48	2.24	.045	.055	.055	.000	1249.30	9508.12
.010069	0.	0.	0.	0	0	7	.00	1105.94	10718.61

FLOW DISTRIBUTION FOR SECNO= .17 CWSEL= 1253.07

STA=	9508.	9540.	9560.	9660.	9680.	9690.	9720.	9760.	9850.	9970.	10060.	10177.	10210.
PER Q=	6.3	6.0	3.4	22.7	3.2	4.0	8.3	4.0	1.7	14.2	3.4	3.7	
AREA=	47.7	41.4	35.0	61.4	21.7	38.1	66.3	58.7	31.8	124.2	51.7	37.8	
VEL=	4.0	4.4	3.0	11.2	4.5	3.2	3.8	2.1	1.6	3.5	2.0	3.0	
DEPTH=	1.5	2.1	.4	3.1	2.2	1.3	1.7	.7	.3	1.5	.4	1.2	

STA=	10210.	10278.	10344.	10460.	10573.	10604.	10719.
PER Q=	3.3	3.9	3.8	3.1	4.2	.7	
AREA=	47.3	48.0	61.5	48.1	39.9	21.2	
VEL=	2.1	2.5	1.9	1.9	3.2	.9	
DEPTH=	.7	.7	.5	.4	1.3	.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .261

3265 DIVIDED FLOW

.261	4.94	1257.14	.00	.00	1257.36	.23	4.06	.00	1255.00
3041.0	1631.5	391.4	1018.1	376.1	84.8	455.6	10.7	12.0	1255.90
.04	4.34	4.61	2.23	.037	.041	.059	.000	1252.20	9513.11
.005878	600.	465.	450.	4	0	0	.00	927.55	10444.70

FLOW DISTRIBUTION FOR SECNO= .26 CWSEL= 1257.14

STA=	9513.	9634.	9651.	9659.	9671.	9799.	9930.	9985.	10001.	10025.	10059.	10146.	10191.
PER Q=	5.0	23.3	13.7	4.0	3.1	3.7	.8	10.0	2.8	3.4	3.2	4.8	
AREA=	71.7	69.4	36.6	31.6	66.1	74.9	25.8	40.3	44.6	58.1	55.4	58.8	
VEL=	2.1	10.2	11.4	3.9	1.4	1.5	1.0	7.6	1.9	1.8	1.7	2.5	
DEPTH=	.6	4.0	4.7	2.5	.5	.6	.5	2.5	1.9	1.7	.6	1.3	

STA=	10191.	10227.	10280.	10345.	10375.	10400.	10444.
PER Q=	3.5	5.1	3.1	3.0	4.1	3.2	
AREA=	44.6	65.1	50.1	36.7	42.1	44.6	
VEL=	2.4	2.4	1.9	2.5	3.0	2.2	
DEPTH=	1.2	1.2	.8	1.2	1.7	1.0	

1490 NH CARD USED
*SECNO .309

3265 DIVIDED FLOW

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

.309	5.26	1259.26	1259.26	.00	1259.84	.58	1.31	.11	1258.10
3041.0	2228.1	357.2	455.7	320.5	97.7	250.6	15.0	16.5	1258.60
.05	6.95	3.65	1.82	.032	.041	.055	.000	1254.00	9772.78
.005415	220.	255.	250.	20	8	0	.00	696.09	10480.37

FLOW DISTRIBUTION FOR SECNO= .31 CWSEL= 1259.26

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

STA=	9773.	9795.	9810.	9815.	9928.	9957.	9974.	10000.	10036.	10316.	10360.	10427.	10473.
PER Q=	15.9	30.6	3.5	5.1	14.5	3.6	9.3	2.5	3.7	3.8	3.4	3.4	
AREA=	62.5	78.9	21.3	67.1	67.2	23.5	47.7	50.1	89.2	52.0	53.8	47.1	
VEL=	7.8	11.8	5.0	2.3	6.6	4.7	5.9	1.5	1.3	2.2	1.9	2.2	
DEPTH=	2.8	5.3	4.3	.6	2.4	1.3	1.9	1.4	.3	1.2	.8	1.0	

STA=	10473.	10480.
PER Q=	.7	
AREA=	8.5	
VEL=	2.3	
DEPTH=	1.1	

1490 NH CARD USED
*SECNO .428

3265 DIVIDED FLOW

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

.428	3.09	1264.79	1264.45	.00	1264.97	.18	5.09	.04	1264.50
3041.0	2026.5	135.3	879.2	583.5	46.7	270.0	26.5	27.3	1264.40
.11	3.47	2.90	3.26	.055	.047	.055	.000	1261.70	9436.41
.011997	700.	630.	530.	20	11	0	.00	838.58	10278.81

FLOW DISTRIBUTION FOR SECNO= .43 CWSEL= 1264.79

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

STA=	9436.	9531.	9553.	9565.	9577.	9612.	9700.	9739.	9761.	9769.	9783.	9827.	9855.
PER Q=	6.2	4.6	3.3	3.1	4.1	9.9	6.2	5.0	4.6	4.5	3.5	4.2	
AREA=	71.0	34.7	22.2	21.5	38.7	96.0	52.5	35.8	23.7	28.6	39.2	35.4	
VEL=	2.7	4.0	4.5	4.4	3.2	3.1	3.6	4.2	5.9	4.7	2.7	3.6	
DEPTH=	.8	1.6	1.9	1.8	1.1	1.1	1.3	1.7	2.8	2.0	.9	1.2	

STA=	9855.	9876.	9938.	9969.	9980.	9995.	10003.	10015.	10030.	10095.	10170.	10210.	10255.
PER Q=	3.3	3.1	1.1	.2	.5	2.3	.8	.6	7.9	7.8	6.8	5.9	
AREA=	28.2	38.8	17.1	3.7	11.2	10.4	12.5	8.9	72.7	78.3	55.8	53.7	
VEL=	3.6	2.4	2.0	1.5	1.5	6.9	1.9	2.1	3.3	3.0	3.7	3.3	
DEPTH=	1.3	.6	.6	.3	.7	1.3	1.0	.6	1.1	1.0	1.4	1.2	

STA=	10255.	10279.
PER Q=	.5	
AREA=	9.5	
VEL=	1.6	
DEPTH=	.4	

1490 NH CARD USED
*SECNO .514

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

.514	2.17	1268.17	.00	.00	1268.29	.11	3.31	.01	1268.10
3041.0	2321.7	84.3	635.0	834.7	34.4	259.1	36.3	35.6	1267.80
.15	2.78	2.45	2.45	.055	.037	.055	.000	1266.00	9403.75
.005489	420.	450.	430.	4	0	0	.00	848.20	10255.84

FLOW DISTRIBUTION FOR SECNO= .51 CWSEL= 1268.17

STA=	9404.	9494.	9521.	9585.	9623.	9660.	9706.	9752.	9831.	9860.	9905.	9985.	10000.
PER Q=	5.3	3.7	12.4	8.1	6.7	6.7	5.3	16.2	5.5	4.4	2.1	.4	
AREA=	77.0	42.0	122.0	76.9	68.3	73.6	64.0	156.6	54.1	56.8	43.4	11.7	
VEL=	2.1	2.7	3.1	3.2	3.0	2.8	2.5	3.1	3.1	2.4	1.5	1.0	
DEPTH=	.9	1.6	1.9	2.0	1.8	1.6	1.4	2.0	1.9	1.3	.5	.8	

STA=	10000.	10020.	10031.	10117.	10162.	10228.	10256.
PER Q=	2.3	.1	6.2	8.0	6.4	.2	
AREA=	18.5	4.1	87.2	81.8	82.3	7.8	
VEL=	3.8	.6	2.2	3.0	2.4	.9	
DEPTH=	.9	.4	1.0	1.8	1.2	.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .625

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .69

.625	2.07	1272.57	.00	.00	1272.80	.22	4.48	.03	1271.70
3041.0	2747.5	285.1	8.3	719.6	77.0	3.4	49.3	44.9	1270.80
.19	3.82	3.70	2.49	.055	.062	.055	.000	1270.50	9485.11
.011392	585.	585.	585.	4	0	0	.00	547.48	10032.59

FLOW DISTRIBUTION FOR SECNO= .63 CWSEL= 1272.57

STA=	9485.	9621.	9659.	9718.	9753.	9764.	9822.	9864.	9912.	9931.	9979.	9984.	9995.
PER Q=	14.8	3.5	9.3	9.2	3.1	16.2	12.3	11.7	3.6	6.4	.3	.9	
AREA=	145.9	37.4	79.7	65.0	21.1	110.9	82.5	84.4	28.6	59.2	4.9	13.5	
VEL=	3.1	2.9	3.6	4.3	4.5	4.4	4.5	4.2	3.8	3.3	1.7	2.1	
DEPTH=	1.1	1.0	1.4	1.8	1.9	1.9	2.0	1.8	1.5	1.2	.9	1.3	

STA=	9995.	10003.	10029.	10033.
PER Q=	4.1	4.3	.3	
AREA=	14.4	49.2	3.4	
VEL=	8.7	2.7	2.5	
DEPTH=	1.9	1.9	.9	

1490 NH CARD USED
*SECNO .745

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.43

.745	2.52	1276.52	.00	.00	1276.64	.12	3.84	.01	1275.90
3041.0	2700.6	305.4	35.0	978.3	109.8	24.1	60.2	52.5	1275.30
.24	2.76	2.78	1.46	.055	.056	.055	.000	1274.00	9291.44
.005587	480.	635.	635.	5	0	0	.00	776.64	10068.08

FLOW DISTRIBUTION FOR SECNO= .75 CWSEL= 1276.52

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

STA=	9291.	9404.	9443.	9477.	9565.	9603.	9639.	9693.	9722.	9733.	9752.	9782.	9820.
PER Q=	4.7	5.7	4.3	9.1	4.6	5.3	4.8	4.3	3.4	4.8	6.3	7.6	
AREA=	78.9	62.4	50.0	114.8	54.2	57.5	64.3	45.5	27.8	42.5	59.5	74.1	
VEL=	1.8	2.8	2.6	2.4	2.6	2.8	2.2	2.8	3.7	3.4	3.2	3.1	
DEPTH=	.7	1.6	1.5	1.3	1.4	1.6	1.2	1.6	2.5	2.2	2.0	1.9	

STA=	9820.	9840.	9879.	9928.	9963.	10000.	10015.	10029.	10068.
PER Q=	3.2	7.8	9.7	3.3	3.7	5.4	.9	1.2	
AREA=	33.8	75.7	94.7	42.6	63.5	27.9	18.4	24.1	
VEL=	2.9	3.1	3.1	2.4	1.8	5.9	1.5	1.5	
DEPTH=	1.7	1.9	1.9	1.2	1.7	1.8	1.4	.6	

1490 NH CARD USED
*SECNO .825

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

.825	2.21	1280.01	.00	.00	1280.37	.35	3.65	.07	1277.80
3041.0	1704.2	1336.1	.7	420.9	240.9	.6	68.3	58.4	1279.60
.27	4.05	5.55	1.25	.055	.058	.055	.000	1277.80	9415.80
.017615	390.	425.	420.	2	0	0	.00	515.96	10033.67

FLOW DISTRIBUTION FOR SECNO= .82 CWSEL= 1280.01

STA=	9416.	9463.	9478.	9628.	9666.	9685.	9753.	9793.	9917.	9919.	9975.	10000.	10031.
PER Q=	5.2	3.4	3.8	7.1	4.1	3.2	3.4	25.8	1.1	15.2	21.6	6.0	
AREA=	45.4	21.5	35.5	49.7	27.7	38.8	32.8	169.5	5.5	124.0	55.1	56.2	
VEL=	3.5	4.9	3.2	4.3	4.5	2.5	3.2	4.6	6.1	3.7	11.9	3.3	
DEPTH=	1.0	1.4	.2	1.3	1.4	.6	.8	1.4	2.2	2.2	2.2	1.8	

STA=	10031.	10034.
PER Q=	.0	
AREA=	.6	
VEL=	1.2	
DEPTH=	.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .923

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.92

.923	3.41	1284.01	.00	.00	1284.13	.12	3.74	.02	1283.20
3041.0	1260.4	557.0	1223.6	497.9	167.8	426.8	77.3	64.2	1282.10
.31	2.53	3.32	2.87	.058	.056	.055	.000	1280.60	9616.74
.004795	375.	515.	540.	6	0	0	.00	664.58	10281.31

FLOW DISTRIBUTION FOR SECNO= .92 CWSEL= 1284.01

STA=	9617.	9747.	9761.	9777.	9849.	9904.	9927.	9982.	10000.	10032.	10050.	10072.	10123.
PER Q=	5.0	5.1	4.6	8.7	8.3	4.7	5.0	7.5	6.8	4.0	3.7	7.2	
AREA=	79.0	40.2	40.4	108.2	94.3	46.8	88.8	38.3	90.4	39.2	39.8	83.6	
VEL=	1.9	3.9	3.5	2.5	2.7	3.0	1.7	6.0	2.3	3.1	2.8	2.6	
DEPTH=	.6	3.0	2.6	1.5	1.7	2.1	1.6	2.1	2.8	2.1	1.8	1.7	

STA=	10123.	10150.	10172.	10243.	10270.	10281.
PER Q=	5.3	6.6	12.6	4.2	.6	
AREA=	54.2	56.9	134.5	47.3	10.4	
VEL=	3.0	3.5	2.8	2.7	1.9	
DEPTH=	2.0	2.6	1.9	1.8	.9	

1490 NH CARD USED
*SECNO 1.021

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .60

1.021	3.48	1287.18	.00	.00	1287.86	.68	3.56	.17	1284.10
3041.0	1464.3	1307.6	269.1	269.8	160.2	93.9	86.1	69.4	1285.40
.33	5.43	8.16	2.87	.052	.045	.060	.000	1283.70	9807.20
.013531	400.	515.	550.	2	0	0	.00	315.10	10127.88

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

FLOW DISTRIBUTION FOR SECNO= 1.02 CWSEL= 1287.18

STA=	9807.	9876.	9895.	9919.	9946.	9966.	9980.	10000.	10018.	10072.	10128.
PER Q=	6.3	7.9	21.7	7.1	5.2	6.1	31.2	5.7	6.4	2.4	
AREA=	57.2	43.9	58.6	63.4	46.7	44.1	68.6	47.5	62.3	31.6	
VEL=	3.3	5.4	11.3	3.4	3.4	4.2	13.9	3.6	3.1	2.3	
DEPTH=	.8	2.3	2.5	2.4	2.3	3.2	3.4	2.6	1.2	.6	

1490 NH CARD USED
*SECNO 1.078
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

1.078	4.44	1289.74	.00	.00	1290.03	.28	2.13	.04	1287.90
3041.0	744.7	1427.5	868.7	308.9	259.7	284.3	90.7	72.1	1286.30
.35	2.41	5.50	3.06	.056	.046	.064	.000	1285.30	9750.84
.004493	260.	300.	350.	2	0	0	.00	447.00	10197.84

FLOW DISTRIBUTION FOR SECNO= 1.08 CWSEL= 1289.74

STA=	9751.	9780.	9807.	9829.	9899.	9958.	9965.	10030.	10055.	10064.	10093.	10160.	10198.
PER Q=	4.9	3.6	5.5	6.6	3.4	.4	46.9	7.7	4.8	11.8	4.1	.1	
AREA=	53.8	43.5	51.8	92.5	57.8	9.4	259.7	90.7	34.0	91.3	63.0	5.3	
VEL=	2.8	2.5	3.2	2.2	1.8	1.3	5.5	2.6	4.3	3.9	2.0	.5	
DEPTH=	1.8	1.6	2.4	1.3	1.0	1.3	4.0	3.6	3.7	3.2	.9	.1	

1490 NH CARD USED
*SECNO 1.208

3265 DIVIDED FLOW

1.208	3.35	1292.65	.00	.00	1293.00	.35	2.95	.02	1290.00
3041.0	7.3	1018.9	2014.8	3.5	140.4	761.4	101.1	78.9	1291.70
.39	2.09	7.26	2.65	.055	.029	.055	.000	1289.30	9977.35
.006516	685.	685.	400.	3	0	0	.00	802.97	10801.93

FLOW DISTRIBUTION FOR SECNO= 1.21 CWSEL= 1292.65

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

STA=	9977.	9980.	10025.	10040.	10164.	10238.	10308.	10422.	10443.	10472.	10496.	10508.	10519.
PER Q=	.2	32.4	1.1	3.7	3.0	3.6	6.4	4.6	3.0	4.0	4.4	3.7	
AREA=	3.5	119.6	20.7	55.9	45.4	53.1	87.3	41.4	35.7	39.2	31.9	28.0	
VEL=	2.1	8.2	1.7	2.0	2.0	2.0	2.2	3.3	2.6	3.1	4.2	4.0	
DEPTH=	1.3	2.7	1.4	.5	.6	.8	.8	1.9	1.3	1.6	2.7	2.5	

STA=	10519.	10585.	10682.	10749.	10802.
PER Q=	8.3	13.6	7.0	.9	
AREA=	91.7	145.0	84.1	22.7	
VEL=	2.7	2.9	2.5	1.2	
DEPTH=	1.4	1.5	1.3	.4	

1490 NH CARD USED
*SECNO 1.296
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1.296	3.23	1296.13	1296.13	.00	1296.56	.43	3.14	.02	1293.90
3041.0	512.2	1310.7	1218.1	182.5	179.1	446.1	108.3	85.3	1295.20
.41	2.81	7.32	2.73	.055	.040	.056	.000	1292.90	9761.17
.010306	465.	465.	320.	5	10	0	.00	795.09	10556.26

FLOW DISTRIBUTION FOR SECNO= 1.30 CWSEL= 1296.13

STA=	9761.	9859.	9900.	9955.	9982.	10018.	10020.	10134.	10167.	10235.	10281.	10323.	10364.
PER Q=	8.0	4.9	4.0	8.7	34.2	.2	7.0	3.9	3.6	4.5	4.1	3.8	
AREA=	87.8	48.4	46.3	77.3	98.9	2.9	79.1	38.7	49.8	46.2	43.9	41.9	
VEL=	2.8	3.1	2.6	3.4	10.5	1.8	2.7	3.1	2.2	2.9	2.8	2.8	
DEPTH=	.9	1.2	.8	2.9	2.7	1.1	.7	1.1	.7	1.1	1.1	1.0	

STA=	10364.	10391.	10409.	10501.	10556.
PER Q=	3.9	3.6	5.2	.4	
AREA=	35.4	29.4	68.1	11.6	
VEL=	3.3	3.7	2.3	1.1	
DEPTH=	1.3	1.6	.7	.2	

1490 NH CARD USED
*SECNO 1.406

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9910.0 10322.0 TYPE= 1 TARGET= 1412.000
AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
AND SEC.1.406 (LEFT OF STA. 9800+\-).
THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.

1.406	3.77	1300.47	.00	.00	1300.80	.34	4.24	.01	1299.50
3041.0	368.6	1299.3	1373.2	167.4	250.9	296.8	117.5	93.0	1299.10
.44	2.20	5.18	4.63	.055	.040	.042	.000	1296.70	9326.25
.006316	580.	580.	470.	5	0	0	.00	488.43	10235.31

FLOW DISTRIBUTION FOR SECNO= 1.41 CWSEL= 1300.47

STA=	9326.	9870.	9965.	9978.	10014.	10073.	10111.	10121.	10160.	10185.	10200.	10235.
PER Q=	3.2	8.9	1.3	33.5	7.8	3.6	4.6	25.2	6.0	3.7	2.1	
AREA=	55.3	112.2	21.8	113.2	116.0	45.4	20.8	98.2	69.9	31.6	31.0	
VEL=	1.8	2.4	1.9	9.0	2.1	2.4	6.7	7.8	2.6	3.5	2.0	
DEPTH=	.1	1.2	1.7	3.1	2.0	1.2	2.0	2.5	2.8	2.1	.9	

1490 NH CARD USED
*SECNO 1.466

3265 DIVIDED FLOW

THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
SEC. 1.753.

1.466	3.41	1302.31	.00	.00	1302.83	.52	1.97	.05	1302.20
3041.0	121.1	2709.6	210.3	72.5	447.1	80.9	122.2	96.0	1300.10
.46	1.67	6.06	2.60	.055	.040	.055	.000	1298.90	9285.28
.006316	320.	315.	300.	3	0	0	.00	355.06	10165.96

FLOW DISTRIBUTION FOR SECNO= 1.47 CWSEL= 1302.31

STA=	9285.	9922.	9947.	9956.	9974.	10036.	10058.	10101.	10123.	10163.	10166.
PER Q=	3.7	.3	.3	2.4	58.3	7.2	20.9	3.8	3.1	.0	
AREA=	63.6	8.9	5.7	35.4	195.5	73.6	136.9	38.0	41.8	1.1	
VEL=	1.8	1.1	1.5	2.1	9.1	3.0	4.6	3.0	2.2	1.1	
DEPTH=	.1	.4	.6	2.0	3.2	3.4	3.2	1.7	1.1	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 1.592

3265 DIVIDED FLOW

1.592	3.62	1306.32	.00	.00	1306.68	.36	3.84	.02	1305.40
3041.0	312.6	2565.7	162.7	212.8	493.2	66.4	132.2	103.7	1305.70
.50	1.47	5.20	2.45	.055	.040	.055	.000	1302.70	8897.96
.005443	500.	665.	700.	2	0	0	.00	827.44	10152.32

FLOW DISTRIBUTION FOR SECNO= 1.59 CWSEL= 1306.32

STA=	8898.	9733.	9821.	9899.	9962.	10057.	10088.	10135.	10152.
PER Q=	3.1	4.1	3.1	13.0	67.8	3.6	3.6	1.7	
AREA=	103.7	59.0	50.0	169.2	265.2	58.9	44.1	22.3	
VEL=	.9	2.1	1.9	2.3	7.8	1.8	2.5	2.4	
DEPTH=	.1	.7	.6	2.7	2.8	1.9	.9	1.3	

1490 NH CARD USED
*SECNO 1.753
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO
CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.

1.753	3.92	1313.32	1313.05	.00	1313.58	.26	6.89	.01	1313.80
3041.0	1416.4	855.6	769.0	403.8	164.5	208.3	145.8	116.1	1312.60
.55	3.51	5.20	3.69	.055	.069	.055	.000	1309.40	9521.11
.015971	600.	850.	950.	16	8	0	.00	712.20	10248.05

FLOW DISTRIBUTION FOR SECNO= 1.75 CWSEL= 1313.32

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

STA=	9521.	9600.	9670.	9698.	9749.	9763.	9783.	9860.	9896.	9910.	9925.	9968.	10044.
PER Q=	3.7	4.5	3.1	4.2	4.7	5.6	5.6	4.0	4.1	3.7	3.4	28.1	
AREA=	46.3	50.2	27.6	42.3	26.6	34.8	59.2	34.1	24.6	23.7	34.6	164.5	
VEL=	2.4	2.7	3.4	3.1	5.4	4.9	2.9	3.6	5.0	4.7	3.0	5.2	
DEPTH=	.6	.7	1.0	.8	2.0	1.7	.8	.9	1.8	1.6	.8	2.7	

STA=	10044.	10104.	10142.	10172.	10193.	10222.	10248.
PER Q=	4.1	5.0	4.8	5.1	5.2	1.0	
AREA=	44.2	42.2	37.1	33.4	38.2	13.1	
VEL=	2.8	3.6	3.9	4.7	4.1	2.4	
DEPTH=	.7	1.1	1.2	1.6	1.3	.5	

1490 NH CARD USED
*SECNO 1.857
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

1.857	4.60	1317.40	.00	.00	1317.98	.58	4.30	.10	1313.40
3041.0	32.7	1457.4	1550.9	18.4	174.6	563.4	154.7	122.6	1315.50
.58	1.78	8.35	2.75	.090	.032	.055	.000	1312.80	9968.72
.005172	390.	550.	550.	5	0	0	.00	444.22	10412.94

FLOW DISTRIBUTION FOR SECNO= 1.86 CWSEL= 1317.40

STA=	9969.	9978.	10023.	10060.	10099.	10162.	10181.	10193.	10212.	10222.	10233.	10253.	10284.
PER Q=	1.1	47.9	4.2	4.0	4.1	4.1	4.0	4.6	5.5	3.8	3.2	4.3	
AREA=	18.4	174.6	54.7	50.8	63.4	38.6	31.9	42.6	35.8	30.8	34.3	48.9	
VEL=	1.8	8.3	2.3	2.4	1.9	3.2	3.8	3.3	4.7	3.7	2.8	2.7	
DEPTH=	2.0	3.9	1.5	1.3	1.0	2.0	2.7	2.2	3.8	2.7	1.8	1.6	

STA=	10284.	10313.	10353.	10413.
PER Q=	4.2	3.2	2.0	
AREA=	47.0	45.7	38.9	
VEL=	2.7	2.1	1.5	
DEPTH=	1.6	1.2	.6	

1490 NH CARD USED
*SECNO 1.949
7185 MINIMUM SPECIFIC ENERGY

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

3720 CRITICAL DEPTH ASSUMED

1.949	3.83	1320.13	1320.13	.00	1320.75	.61	2.28	.01	1319.50
3041.0	1.3	2264.3	775.4	2.5	314.6	409.3	162.3	127.5	1318.20
.60	.53	7.20	1.89	.090	.029	.055	.000	1316.30	9955.79
.004745	485.	485.	420.	4	10	0	.00	549.04	10504.83

FLOW DISTRIBUTION FOR SECNO= 1.95 CWSEL= 1320.13

STA=	9956.	9964.	9967.	10060.	10072.	10159.	10230.	10325.	10439.	10488.	10505.
PER Q=	.0	.1	72.8	1.5	4.6	3.1	4.8	9.9	3.1	.0	
AREA=	2.5	2.9	286.7	25.0	77.1	57.6	84.2	140.7	48.6	1.1	
VEL=	.5	1.0	7.7	1.9	1.8	1.6	1.7	2.1	1.9	.3	
DEPTH=	.3	.9	3.1	2.1	.9	.8	.9	1.2	1.0	.1	

1490 NH CARD USED
*SECNO 2.088
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9220.0 10265.3 TYPE= 1 TARGET= 1045.300

2.088	3.80	1325.20	.00	.00	1325.51	.31	4.73	.03	1325.30
3041.0	911.8	1565.7	563.5	305.7	290.9	149.6	174.2	137.4	1324.50
.65	2.98	5.38	3.77	.046	.055	.055	.000	1321.40	9390.85
.009622	880.	735.	580.	7	0	0	.00	656.94	10168.19

FLOW DISTRIBUTION FOR SECNO= 2.09 CWSEL= 1325.20

STA=	9391.	9405.	9482.	9538.	9718.	9776.	9858.	9901.	10028.	10063.	10082.	10100.	10168.
PER Q=	4.3	5.5	8.4	4.1	3.3	3.5	.8	51.5	3.4	9.7	3.5	2.0	
AREA=	20.1	62.9	52.0	58.9	44.5	53.1	14.0	290.9	33.2	54.3	29.8	32.3	
VEL=	6.6	2.7	4.9	2.1	2.3	2.0	1.7	5.4	3.1	5.4	3.6	1.9	
DEPTH=	1.4	.8	.9	.3	.8	.6	.3	2.9	.9	2.9	1.6	.5	

1490 NH CARD USED
*SECNO 2.215

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9200.0 10504.0 TYPE= 1 TARGET= 1304.000

2.215	5.80	1330.90	.00	.00	1331.21	.31	5.70	.00	1330.30
3041.0	1072.5	1479.7	488.7	411.9	254.9	198.4	187.2	148.7	1330.30
.69	2.60	5.80	2.46	.053	.053	.055	.000	1325.10	9227.43
.007118	750.	670.	650.	6	0	0	.00	725.56	10252.12

FLOW DISTRIBUTION FOR SECNO= 2.21 CWSEL= 1330.90

STA=	9227.	9270.	9540.	9556.	9589.	9616.	9694.	9855.	9891.	9960.	9970.	10034.	10095.
PER Q=	5.1	5.5	3.9	3.1	3.3	3.3	3.4	3.6	3.8	.2	48.7	3.1	
AREA=	41.7	42.6	39.0	37.2	36.4	54.8	54.7	42.7	57.0	5.7	254.9	46.9	
VEL=	3.7	4.0	3.1	2.5	2.8	1.8	1.9	2.6	2.0	1.0	5.8	2.0	
DEPTH=	1.0	.2	2.5	1.1	1.3	.7	.3	1.2	.8	.6	4.0	.8	

STA=	10095.	10162.	10187.	10252.
PER Q=	8.9	3.2	.9	
AREA=	93.1	34.6	23.8	
VEL=	2.9	2.8	1.2	
DEPTH=	1.4	1.4	.4	

1490 NH CARD USED
*SECNO 2.340
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9378.5 10216.6 TYPE= 1 TARGET= 838.100

2.340	6.41	1337.01	1337.01	.00	1337.74	.73	6.40	.13	1341.30
3041.0	1056.3	1984.7	.0	271.2	248.5	.0	198.4	157.7	1340.00
.72	3.89	7.99	.00	.047	.055	.000	.000	1330.60	9435.27
.012507	750.	660.	660.	3	8	0	.00	361.29	10044.44

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

FLOW DISTRIBUTION FOR SECNO= 2.34 CWSEL= 1337.01

STA=	9435.	9589.	9600.	9638.	9663.	9709.	9764.	9837.	10052.
PER Q=	7.2	6.3	4.0	4.8	6.0	4.5	1.9	65.3	
AREA=	43.9	21.0	40.5	37.2	53.8	48.7	26.1	248.5	
VEL=	5.0	9.1	3.0	4.0	3.4	2.8	2.2	8.0	
DEPTH=	.3	1.9	1.1	1.5	1.2	.9	.4	4.6	

1490 NH CARD USED
*SECNO 2.438

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.98

OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
HYDRAULIC MODELING MADE FOR ROAD.
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C900. (D.A.=26.14 SQ. MI.).

2.438	3.83	1340.03	.00	.00	1340.65	.62	2.90	.01	1339.80
3277.0	576.1	2699.4	1.5	210.4	394.4	2.3	204.2	161.1	1339.00
.74	2.74	6.85	.64	.041	.028	.090	.000	1336.20	9572.35
.003721	350.	520.	500.	4	0	0	.00	395.91	10089.44

FLOW DISTRIBUTION FOR SECNO= 2.44 CWSEL= 1340.03

STA=	9572.	9741.	9754.	9833.	9955.	9972.	10077.	10085.	10089.
PER Q=	5.5	8.4	3.3	.4	.6	81.1	.6	.0	
AREA=	89.4	40.4	69.5	11.0	18.6	361.7	14.1	2.3	
VEL=	2.0	6.8	1.6	1.2	1.1	7.4	1.5	.6	
DEPTH=	.5	3.0	.9	.1	1.1	3.4	1.8	.5	

1490 NH CARD USED
*SECNO 2.549

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY

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

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	9832.0	10730.0	TYPE=	1	TARGET=	898.000			
2.549	2.03	1343.93	1343.93	.00	1344.50	.57	3.56	.00	1344.00
3277.0	851.6	207.1	2218.3	126.5	42.1	376.6	212.5	167.6	1344.40
.77	6.73	4.92	5.89	.030	.027	.030	.000	1341.90	9886.37
.009216	505.	585.	800.	3	11	0	.00	482.48	10444.82

FLOW DISTRIBUTION FOR SECNO= 2.55 CWSEL= 1343.93

STA=	9886.	9925.	9957.	9965.	10003.	10018.	10180.	10200.	10215.	10230.	10260.	10340.	10400.
PER Q=	11.1	14.5	.4	6.2	.1	3.9	4.1	4.2	7.0	7.0	3.4	22.1	
AREA=	57.0	61.2	8.3	38.8	3.3	62.7	23.5	21.4	28.9	38.3	27.0	100.6	
VEL=	6.4	7.8	1.7	5.3	.8	2.1	5.7	6.4	7.9	6.0	4.1	7.2	
DEPTH=	1.5	1.9	1.0	1.1	.4	.4	1.2	1.4	1.9	1.3	.3	1.7	

STA=	10400.	10430.	10440.	10445.
PER Q=	11.0	4.6	.3	
AREA=	50.3	19.3	4.6	
VEL=	7.2	7.9	2.4	
DEPTH=	1.7	1.9	1.0	

1490 NH CARD USED
*SECNO 2.593

2.593	2.97	1346.87	.00	.00	1347.22	.35	2.70	.02	1345.40
3277.0	163.5	725.6	2387.8	74.1	120.5	541.7	218.0	172.0	1346.40
.79	2.21	6.02	4.41	.061	.032	.036	.000	1343.90	9916.26
.006032	200.	230.	430.	3	0	0	.00	536.15	10452.42

FLOW DISTRIBUTION FOR SECNO= 2.59 CWSEL= 1346.87

STA=	9916.	9957.	9978.	10015.	10034.	10120.	10150.	10180.	10220.	10240.	10290.	10340.	10370.
PER Q=	4.1	.9	20.5	1.6	5.0	3.6	3.2	9.8	12.1	31.3	3.3	3.2	
AREA=	52.1	22.1	89.5	30.9	80.6	44.0	41.0	60.2	51.4	130.9	56.9	41.0	
VEL=	2.6	1.3	7.5	1.7	2.0	2.7	2.6	5.3	7.7	7.8	1.9	2.6	
DEPTH=	1.3	1.0	2.5	1.6	.9	1.5	1.4	1.5	2.6	2.6	1.1	1.4	

STA=	10370.	10452.
PER Q=	1.3	
AREA=	35.8	
VEL=	1.2	
DEPTH=	.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 2.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

2.634	3.15	1348.85	.00	.00	1349.19	.34	1.97	.00	1351.80
3277.0	.0	880.8	2396.2	.0	205.2	498.7	221.4	174.6	1347.80
.81	.00	4.29	4.80	.000	.053	.056	.000	1345.70	9953.45
.017536	220.	220.	200.	2	0	0	.00	561.24	10554.35

FLOW DISTRIBUTION FOR SECNO= 2.63 CWSEL= 1348.85

STA=	9953.	10117.	10161.	10168.	10191.	10207.	10270.	10348.	10401.	10417.	10509.	10532.	10554.
PER Q=	26.9	15.8	4.9	11.4	3.4	7.7	3.4	5.8	6.0	3.7	6.7	4.3	
AREA=	205.2	92.0	21.8	56.5	23.7	67.5	44.3	53.4	33.2	34.8	40.5	30.9	
VEL=	4.3	5.6	7.4	6.6	4.7	3.8	2.5	3.6	5.9	3.4	5.4	4.5	
DEPTH=	1.3	2.1	3.0	2.5	1.5	1.1	.6	1.0	2.1	.4	1.7	1.4	

1490 NH CARD USED
*SECNO 2.730

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.13

2.730	4.08	1351.88	.00	.00	1351.98	.10	2.76	.02	1360.60
3277.0	.0	631.7	2645.3	.0	190.6	1148.5	230.3	180.9	1351.10
.85	.00	3.31	2.30	.000	.060	.055	.000	1347.80	9991.03
.003871	505.	505.	350.	4	0	0	.00	906.32	10897.35

FLOW DISTRIBUTION FOR SECNO= 2.73 CWSEL= 1351.88

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

STA=	9991.	10050.	10159.	10218.	10260.	10288.	10298.	10310.	10325.	10362.	10419.	10510.	10539.
PER Q=	19.3	4.3	3.2	3.2	3.6	4.6	4.9	3.5	3.3	4.1	7.6	3.6	
AREA=	190.6	93.6	60.2	53.1	48.2	37.7	41.1	37.1	51.9	69.4	121.8	48.5	
VEL=	3.3	1.5	1.7	2.0	2.5	4.0	3.9	3.1	2.1	1.9	2.0	2.4	
DEPTH=	3.2	.9	1.0	1.3	1.7	3.6	3.6	2.5	1.4	1.2	1.3	1.7	

STA=	10539.	10581.	10613.	10626.	10651.	10772.	10821.	10839.	10858.	10897.
PER Q=	6.8	5.0	3.2	4.9	3.3	3.8	3.6	3.3	1.0	
AREA=	84.2	62.1	33.5	55.9	82.9	62.6	40.8	39.7	24.1	
VEL=	2.6	2.6	3.2	2.9	1.3	2.0	2.9	2.7	1.3	
DEPTH=	2.0	2.0	2.6	2.2	.7	1.3	2.3	2.0	.6	

1490 NH CARD USED
*SECNO 2.826
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

3470 ENCROACHMENT STATIONS= 9950.0 10643.5 TYPE= 1 TARGET= 693.500

2.826	4.90	1354.20	.00	.00	1354.47	.28	2.44	.05	1355.60	
3277.0	.0	701.1	2575.9	.0	149.8	632.4	239.4	187.1	1354.70	
.87	.00	4.68	4.07	.000	.067	.055	.000	1349.30	9992.01	
.012539	510.	505.	350.	5	0	0	.00	573.67	10594.13	

FLOW DISTRIBUTION FOR SECNO= 2.83 CWSEL= 1354.20

STA=	9992.	10063.	10109.	10220.	10251.	10270.	10322.	10430.	10466.	10480.	10500.	10519.	10553.
PER Q=	21.4	6.9	3.8	4.7	5.9	4.0	9.3	9.8	8.0	7.3	5.1	9.9	
AREA=	149.8	53.8	59.4	35.1	38.9	46.1	102.6	65.9	41.6	46.0	36.4	67.6	
VEL=	4.7	4.2	2.1	4.4	5.0	2.8	3.0	4.9	6.3	5.2	4.6	4.8	
DEPTH=	2.7	1.2	.5	1.1	2.0	.9	1.0	1.9	3.0	2.2	1.9	2.0	

STA=	10553.	10586.	10594.
PER Q=	3.8	.0	
AREA=	37.8	1.2	
VEL=	3.3	.8	
DEPTH=	1.1	.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 2.919

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= 9717.3 10316.2 TYPE= 1 TARGET= 598.900

2.919	4.29	1357.09	.00	.00	1357.57	.49	3.04	.06	1355.80
3277.0	281.2	1969.1	1026.7	133.6	284.2	396.8	247.5	192.3	1356.20
.90	2.11	6.93	2.59	.055	.032	.055	.000	1352.80	9833.77
.004164	400.	490.	430.	3	0	0	.00	476.05	10316.20

FLOW DISTRIBUTION FOR SECNO= 2.92 CWSEL= 1357.09

STA=	9834.	9927.	9942.	9958.	10006.	10022.	10156.	10192.	10211.	10229.	10261.	10281.	10316.
PER Q=	7.2	1.3	2.6	55.2	2.3	4.5	3.3	6.4	6.3	5.7	3.2	2.0	
AREA=	113.4	20.2	42.0	202.3	39.9	94.8	49.2	57.2	56.1	66.1	38.7	34.8	
VEL=	2.1	2.2	2.0	8.9	1.9	1.5	2.2	3.6	3.7	2.8	2.7	1.9	
DEPTH=	1.2	1.4	2.6	4.2	2.4	.7	1.4	3.0	3.1	2.1	1.9	1.0	

1490 NH CARD USED
*SECNO 3.014
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3.014	3.34	1359.14	.00	.00	1359.53	.39	1.95	.01	1358.90
3277.0	10.5	3197.3	69.2	15.6	631.5	44.7	255.9	196.8	1358.30
.93	.68	5.06	1.55	.055	.036	.055	.000	1355.80	9739.07
.003793	470.	500.	450.	3	0	0	.00	341.83	10080.90

FLOW DISTRIBUTION FOR SECNO= 3.01 CWSEL= 1359.14

STA=	9739.	9801.	10027.	10081.
PER Q=	.3	97.6	2.1	
AREA=	15.6	631.5	44.6	
VEL=	.7	5.1	1.6	
DEPTH=	.3	2.8	.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.109
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9743.6 10139.8 TYPE= 1 TARGET= 396.200

3.109	4.76	1361.56	1361.54	.00	1362.65	1.08	2.91	.21	1360.30
3277.0	105.3	3128.5	43.2	31.3	366.7	34.4	262.3	200.2	1360.90
.94	3.36	8.53	1.26	.055	.035	.055	.000	1356.80	9828.10
.010026	550.	500.	470.	3	14	0	.00	263.78	10096.79

FLOW DISTRIBUTION FOR SECNO= 3.11 CWSEL= 1361.56

STA=	9828.	9852.	9977.	10097.
PER Q=	3.2	95.5	1.3	
AREA=	31.3	366.7	34.4	
VEL=	3.4	8.5	1.3	
DEPTH=	1.3	2.9	.3	

1490 NH CARD USED
*SECNO 3.190

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.63

3470 ENCROACHMENT STATIONS= 9839.6 10308.5 TYPE= 1 TARGET= 468.900

3.190	8.60	1364.50	.00	.00	1365.16	.66	2.47	.04	1364.80
3277.0	.0	2596.9	680.1	.0	371.3	157.6	267.0	202.2	1361.00
.96	.00	6.99	4.31	.000	.038	.035	.000	1355.90	9934.08
.003782	440.	430.	390.	3	0	0	.00	154.23	10088.32

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

FLOW DISTRIBUTION FOR SECNO= 3.19 CWSEL= 1364.50

STA=	9934.	10007.	10007.	10044.	10056.	10077.	10084.	10088.
PER Q=	79.2	.2	15.4	2.3	2.4	.4	.0	
AREA=	371.3	1.0	94.8	19.3	34.3	7.7	.6	
VEL=	7.0	6.3	5.3	4.0	2.3	1.6	.5	
DEPTH=	5.1	3.4	2.5	1.6	1.6	1.0	.1	

*SECNO 3.247

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9971.3 10028.7 TYPE= 1 TARGET= 57.400
THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
FLOW TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.
FLOODWAY ENCROACHMENT TERMINATED FROM THIS SECTION UPSTREAM TO
SECTION 3.696.THE CAP OVERCHUTE SPILLWAY AND THE STORAGE PONDING
UPSTREAM OF THE OVERCHUTE TO SEC. 3.696. PROVIDE ATTENUATION OF PEAK
DISCHARGES AND THEREFORE NO FLOODWAY ENCROACHMENT WAS UTILIZED
WHICH WOULD ALLOW REDUCTION OF STORAGE VOLUME.

3.247	5.11	1365.11	1365.11	.00	1367.52	2.41	1.78	.52	1360.90
3277.0	323.6	2741.5	211.9	32.0	211.6	25.2	269.8	202.9	1360.50
.97	10.10	12.96	8.42	.032	.032	.032	.000	1360.00	9971.30
.009660	315.	315.	280.	3	14	0	.00	57.40	10028.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1365.11

STA=	9971.	9974.	9979.	10023.	10029.
PER Q=	1.9	8.0	83.7	6.5	
AREA=	10.1	21.9	211.6	25.2	
VEL=	6.2	11.9	13.0	8.4	
DEPTH=	4.1	4.2	4.8	4.6	

CCHV= .300 CEHV= .500
*SECND 3.251
3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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
BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR
THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.

3.251	5.28	1366.28	1366.28	.00	1368.94	2.67	.20	.13	1367.00
3277.0	.0	3277.0	.0	.0	250.1	.0	269.9	202.9	1367.00
.97	.00	13.10	.00	.000	.030	.000	.000	1361.00	9976.30
.009956	20.	20.	20.	20	8	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1366.28

STA= 9976. 10024.
PER Q= 100.0
AREA= 250.1
VEL= 13.1
DEPTH= 5.3

*SECNO 3.253

3301 HV CHANGED MORE THAN HVINS

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

THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
WITHIN 47.33 FOOT WIDE SPILLWAY.
BAFFLE BLOCKS ARE 5.67 FOOT WIDE X 3.8 FOOT HIGH (NORMAL TO FLOOR)
BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.

3.253	9.99	1368.39	.00	.00	1369.50	1.11	.09	.47	1369.40
3277.0	.0	3277.0	.0	.0	387.7	.0	270.0	203.0	1369.40
.97	.00	8.45	.00	.000	.030	.000	.000	1358.40	9976.31
.004604	14.	14.	14.	5	0	0	.00	47.39	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1368.39

STA= 9976. 10024.
PER Q= 100.0
AREA= 387.7
VEL= 8.5
DEPTH= 8.2

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

*SECNO 3.254

3301 HV CHANGED MORE THAN HVINS

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

3.254	7.06	1368.46	1368.46	.00	1371.15	2.69	.06	.79	1372.40
3277.0	.0	3277.0	.0	.0	249.1	.0	270.1	203.0	1372.40
.97	.00	13.15	.00	.000	.030	.000	.000	1361.40	9976.34
.018499	7.	7.	7.	20	19	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.25 CWSEL= 1368.46

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.1
VEL= 13.2
DEPTH= 5.3

*SECNO 3.256
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.256	7.08	1371.48	1371.48	.00	1374.15	2.67	.13	.00	1375.40
3277.0	.0	3277.0	.0	.0	249.8	.0	270.1	203.0	1375.40
.97	.00	13.12	.00	.000	.030	.000	.000	1364.40	9976.34
.018333	7.	7.	7.	20	5	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1371.48

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.8
VEL= 13.1
DEPTH= 5.3

*SECNO 3.257
3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3.257	7.08	1374.58	1374.58	.00	1377.25	2.67	.13	.00	1378.50
3277.0	.0	3277.0	.0	.0	249.8	.0	270.2	203.0	1378.50
.97	.00	13.12	.00	.000	.030	.000	.000	1367.50	9976.34
.018355	7.	7.	7.	20	5	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1374.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.8
VEL= 13.1
DEPTH= 5.3

*SECNO 3.259
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.

3.259	7.08	1377.58	1377.58	.00	1380.25	2.67	.13	.00	1381.50
3277.0	.0	3277.0	.0	.0	249.7	.0	270.2	203.0	1381.50
.97	.00	13.12	.00	.000	.030	.000	.000	1370.50	9976.34
.018367	7.	7.	7.	20	5	0	.00	47.36	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1377.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.7
VEL= 13.1
DEPTH= 5.3

*SECNO 3.259

3301 HV CHANGED MORE THAN HVINS

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.96

THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.

3.259	8.82	1379.82	.00	.00	1380.78	.95	.01	.52	1380.30
3277.0	.0	3277.0	.0	.0	418.0	.0	270.2	203.0	1380.30
.97	.00	7.84	.00	.000	.030	.000	.000	1371.00	9976.30
.002096	2.	2.	2.	4	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.82

STA= 9976. 10024.
PER Q= 100.0
AREA= 418.0
VEL= 7.8
DEPTH= 8.8

*SECNO 3.259

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.14

THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).

3.259	10.88	1380.25	.00	.00	1380.87	.63	.00	.10	1380.30
3277.0	.0	3277.0	.0	.0	515.7	.0	270.2	203.0	1380.30
.97	.00	6.35	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	0.	0.	0.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1380.25

STA= 9976. 10024.
PER Q= 100.0
AREA= 515.7
VEL= 6.4
DEPTH= 10.9

*SECNO 3.262

THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.

3.262	10.88	1380.25	.00	.00	1380.88	.63	.00	.00	1380.30
3277.0	.0	3277.0	.0	.0	516.1	.0	270.4	203.0	1380.30
.97	.00	6.35	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	15.	15.	15.	1	0	0	.00	47.40	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1380.25

STA= 9976. 10024.
PER Q= 100.0
AREA= 516.1
VEL= 6.3
DEPTH= 10.9

*SECNO 3.264

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .45

END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.

3.264	6.35	1379.65	.00	.00	1381.49	1.84	.01	.61	1380.30
3277.0	.0	3277.0	.0	.0	301.0	.0	270.5	203.0	1380.30
.97	.00	10.89	.00	.000	.013	.000	.000	1373.30	9976.30
.001059	13.	13.	13.	3	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.65

STA= 9976. 10024.
PER Q= 100.0
AREA= 301.0
VEL= 10.9
DEPTH= 6.3

*SECNO 3.267

3.267	6.37	1379.67	.00	.00	1381.50	1.83	.01	.00	1380.30
3277.0	.0	3277.0	.0	.0	301.5	.0	270.6	203.0	1380.30
.97	.00	10.87	.00	.000	.013	.000	.000	1373.30	9976.30
.001053	12.	12.	12.	1	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.67

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

STA= 9976. 10024.
PER Q= 100.0
AREA= 301.5
VEL= 10.9
DEPTH= 6.4

*SECNO 3.269									
3.269	6.44	1379.74	.00	.00	1381.53	1.79	.01	.01	1380.30
3277.0	.0	3277.0	.0	.0	305.3	.0	270.7	203.1	1380.30
.97	.00	10.73	.00	.000	.013	.000	.000	1373.30	9976.30
.001014	12.	12.	12.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.74

STA= 9976. 10024.
PER Q= 100.0
AREA= 305.3
VEL= 10.7
DEPTH= 6.4

*SECNO 3.273									
3.273	6.52	1379.82	.00	.00	1381.57	1.74	.02	.01	1380.30
3277.0	.0	3277.0	.0	.0	309.2	.0	270.8	203.1	1380.30
.97	.00	10.60	.00	.000	.013	.000	.000	1373.30	9976.30
.000975	24.	24.	24.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.82

STA= 9976. 10024.
PER Q= 100.0
AREA= 309.2
VEL= 10.6
DEPTH= 6.5

*SECNO 3.282									
END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.									
3.282	6.66	1379.96	.00	.00	1381.63	1.67	.05	.02	1380.30
3277.0	.0	3277.0	.0	.0	315.9	.0	271.2	203.1	1380.30
.97	.00	10.37	.00	.000	.013	.000	.000	1373.30	9976.30
.000914	48.	48.	48.	2	0	0	.00	47.40	10023.70

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

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1379.96

STA= 9976. 10024.
PER Q= 100.0
AREA= 315.9
VEL= 10.4
DEPTH= 6.7

*SECNO 3.284
3280 CROSS SECTION 3.28 EXTENDED .10 FEET

3301 HV CHANGED MORE THAN HVINS

3.284	7.50	1380.80	.00	.00	1381.83	1.03	.00	.19	1380.70
3277.0	.0	3277.0	.0	.0	402.6	.0	271.2	203.1	1380.70
.97	.00	8.14	.00	.000	.013	.000	.000	1373.30	9973.20
.000480	6.	6.	6.	3	0	0	.00	53.70	10026.90

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1380.80

STA= 9973. 10027.
PER Q= 100.0
AREA= 402.6
VEL= 8.1
DEPTH= 7.5

*SECNO 3.285
3280 CROSS SECTION 3.29 EXTENDED .07 FEET

3.285	7.87	1381.17	.00	.00	1381.92	.75	.00	.08	1381.10
3277.0	.0	3277.0	.0	.0	471.5	.0	271.3	203.1	1381.10
.97	.00	6.95	.00	.000	.013	.000	.000	1373.30	9970.10
.000322	6.	6.	6.	2	0	0	.00	59.90	10030.00

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.17

STA= 9970. 10030.
PER Q= 100.0
AREA= 471.5
VEL= 7.0
DEPTH= 7.9

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

*SECNO 3.287
END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).

3.287	8.24	1381.54	.00	.00	1382.00	.47	.00	.08	1381.80
3277.0	.0	3277.0	.0	.0	596.4	.0	271.4	203.2	1381.80
.97	.00	5.49	.00	.000	.013	.000	.000	1373.30	9963.80
.000183	13.	13.	13.	2	0	0	.00	72.40	10036.20

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.54

STA= 9964. 10036.
PER Q= 100.0
AREA= 596.4
VEL= 5.5
DEPTH= 8.2

*SECNO 3.291

3.291	8.58	1381.88	.00	.00	1382.09	.21	.01	.08	1373.30
3277.0	139.6	2997.9	139.6	73.6	792.9	73.6	271.8	203.2	1373.30
.98	1.90	3.78	1.90	.035	.030	.035	.000	1373.30	9936.64
.000332	22.	22.	22.	2	0	0	.00	126.72	10063.36

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.88

STA= 9937. 9954. 10046. 10063.
PER Q= 4.3 91.5 4.3
AREA= 73.6 792.9 73.6
VEL= 1.9 3.8 1.9
DEPTH= 4.3 8.6 4.3

*SECNO 3.299

3.299	8.62	1381.92	.00	.00	1382.11	.19	.01	.01	1373.30
3277.0	213.6	2865.3	198.1	112.6	787.9	104.9	272.7	203.3	1373.30
.98	1.90	3.64	1.89	.035	.030	.035	.000	1373.30	9929.17
.000305	38.	38.	38.	2	0	0	.00	141.88	10071.05

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

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1381.92

STA=	9929.	9955.	10047.	10071.
PER Q=	6.5	87.4	6.0	
AREA=	112.6	787.9	104.9	
VEL=	1.9	3.6	1.9	
DEPTH=	4.3	8.6	4.3	

*SECNO 3.302

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

3.302	8.75	1382.05	.00	.00	1382.14	.09	.00	.03	1373.30
3277.0	189.1	2904.3	183.7	144.9	1175.6	141.0	273.3	203.4	1373.30
.98	1.30	2.47	1.30	.035	.030	.035	.000	1373.30	9900.28
.000138	20.	20.	20.	2	0	0	.00	199.63	10099.92

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.05

STA=	9900.	9933.	10068.	10100.
PER Q=	5.8	88.6	5.6	
AREA=	144.9	1175.6	141.0	
VEL=	1.3	2.5	1.3	
DEPTH=	4.4	8.8	4.4	

*SECNO 3.306

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

END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.

3.306	8.82	1382.12	.00	.00	1382.16	.04	.00	.02	1373.30
3277.0	245.0	2787.0	245.0	284.8	1738.7	284.8	274.1	203.5	1373.30
.99	.86	1.60	.86	.035	.030	.035	.000	1373.30	9836.93
.000057	20.	20.	20.	2	0	0	.00	326.24	10163.17

FLOW DISTRIBUTION FOR SECNO= 3.31 CWSEL= 1382.12

STA=	9837.	9902.	10099.	10163.
PER Q=	7.5	85.0	7.5	
AREA=	284.8	1738.7	284.8	
VEL=	.9	1.6	.9	
DEPTH=	4.4	8.8	4.4	

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

CCHV= .100 CEHV= .300
*SECNO 3.328

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.28

100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC. PT. I.D.=C90I. (D.A.=26.14 SQ. MI.)

3.328	11.05	1382.15	.00	.00	1382.16	.01	.00	.00	1373.80
4957.0	860.6	3804.3	292.1	2040.8	3700.2	611.0	283.0	205.0	1372.60
1.01	.42	1.03	.48	.055	.032	.055	.000	1371.10	9396.98
.000025	90.	90.	90.	1	0	0	.00	1099.74	10496.72

FLOW DISTRIBUTION FOR SECNO= 3.33 CWSEL= 1382.15

STA=	9397.	9767.	9838.	9888.	9942.	9975.	10375.	10425.	10497.
PER Q=	3.1	3.4	3.1	4.6	3.2	76.7	4.8	1.1	
AREA=	618.1	389.4	327.0	423.8	282.6	3700.2	422.7	188.2	
VEL=	.2	.4	.5	.5	.6	1.0	.6	.3	
DEPTH=	1.7	5.5	6.5	7.8	8.6	9.3	8.4	2.6	

1490 NH CARD USED
*SECNO 3.418
SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
MINIMAL GRADING;

3.418	8.87	1382.17	.00	.00	1382.18	.01	.01	.00	1373.30
4957.0	1707.3	1341.2	1908.5	2815.2	2223.8	3706.7	364.0	218.3	1375.00
1.24	.61	.60	.51	.059	.063	.060	.000	1373.30	9307.99
.000041	460.	475.	465.	0	0	0	.00	1395.52	10703.52

FLOW DISTRIBUTION FOR SECNO= 3.42 CWSEL= 1382.17

STA=	9308.	9433.	9490.	9577.	9627.	9723.	9729.	9991.	10007.	10087.	10139.	10211.	10252.
PER Q=	4.9	4.7	9.3	5.0	9.9	.6	25.1	2.0	6.2	4.2	5.7	3.7	
AREA=	504.7	378.4	679.0	392.8	809.2	51.1	2109.4	114.4	568.5	376.8	520.9	315.1	
VEL=	.5	.6	.7	.6	.6	.6	.6	.9	.5	.5	.5	.6	
DEPTH=	4.0	6.7	7.8	7.9	8.4	8.8	8.1	6.8	7.2	7.2	7.2	7.8	

STA=	10252.	10300.	10354.	10465.	10593.	10678.	10704.
PER Q=	4.7	3.0	3.1	4.6	3.2	.1	
AREA=	362.0	284.3	387.7	513.6	350.9	27.0	
VEL=	.6	.5	.4	.4	.5	.2	
DEPTH=	7.5	5.3	3.5	4.0	4.1	1.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.507

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .34

3.507	5.81	1382.21	.00	.00	1382.23	.02	.04	.01	1377.60
4957.0	958.2	2795.7	1203.1	883.7	2262.9	1006.8	437.0	232.1	1378.50
1.36	1.08	1.24	1.20	.055	.064	.063	.000	1376.40	9257.06
.000350	550.	470.	470.	1	0	0	.00	1029.33	10286.38

FLOW DISTRIBUTION FOR SECNO= 3.51 CWSEL= 1382.21

STA=	9257.	9407.	9454.	9583.	9987.	10000.	10055.	10121.	10202.	10238.	10265.	10286.
PER Q=	3.2	3.2	13.0	49.5	2.1	4.8	5.8	9.1	4.4	4.0	1.0	
AREA=	227.3	146.7	509.7	1985.5	55.9	221.5	264.3	378.3	176.5	134.6	53.1	
VEL=	.7	1.1	1.3	1.2	1.8	1.1	1.1	1.2	1.2	1.5	.9	
DEPTH=	1.5	3.1	3.9	4.9	4.3	4.0	4.0	4.7	4.8	5.0	2.5	

1490 NH CARD USED
*SECNO 3.601

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .18

3.601	2.73	1382.53	.00	.00	1382.76	.23	.47	.06	1380.60
4957.0	2167.3	2718.9	70.8	548.4	718.4	22.5	466.5	241.6	1380.50
1.39	3.95	3.78	3.15	.055	.061	.064	.000	1379.80	9299.15
.010476	430.	495.	460.	2	0	0	.00	740.52	10039.67

FLOW DISTRIBUTION FOR SECNO= 3.60 CWSEL= 1382.53

STA=	9299.	9407.	9520.	9581.	9605.	9642.	9966.	10000.	10023.	10040.
PER Q=	11.2	16.6	5.8	3.9	6.1	41.8	7.4	5.6	1.4	
AREA=	145.9	202.0	84.0	45.5	70.9	592.3	63.9	62.2	22.5	
VEL=	3.8	4.1	3.4	4.3	4.3	3.5	5.8	4.5	3.2	
DEPTH=	1.4	1.8	1.4	1.9	1.9	1.8	1.9	2.7	1.4	

1490 NH CARD USED
*SECNO 3.696

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

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

FLOODWAY ENCROACHMENT CONTINUED UPSTREAM OF THIS SECTION.

3.696	3.19	1385.59	.00	.00	1385.86	.27	3.08	.01	1383.60
4957.0	1042.9	3882.5	31.5	471.5	854.4	13.1	481.1	249.7	1382.80
1.42	2.21	4.54	2.41	.057	.037	.055	.000	1382.40	9493.98
.004215	465.	500.	480.	4	0	0	.00	733.82	10227.80

FLOW DISTRIBUTION FOR SECNO= 3.70 CWSEL= 1385.59

STA=	9494.	9609.	9646.	9700.	9808.	9851.	10000.	10010.	10218.	10228.
PER Q=	3.7	4.2	6.3	5.8	1.0	51.8	.7	25.8	.6	
AREA=	102.7	74.1	110.6	138.7	45.4	391.6	21.1	441.7	13.1	
VEL=	1.8	2.8	2.8	2.1	1.1	6.6	1.7	2.9	2.4	
DEPTH=	.9	2.0	2.0	1.3	1.1	2.6	2.0	2.1	1.4	

1490 NH CARD USED
*SECNO 3.791

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

3.791	2.81	1388.91	.00	.00	1389.24	.33	3.37	.02	1388.40
4957.0	1045.5	3891.7	19.8	352.9	790.1	7.0	494.8	259.0	1387.20
1.45	2.96	4.93	2.82	.055	.050	.055	.000	1386.10	9308.63
.013368	440.	500.	410.	2	0	0	.00	985.05	10328.58

FLOW DISTRIBUTION FOR SECNO= 3.79 CWSEL= 1388.91

STA=	9309.	9487.	9527.	9594.	9858.	9880.	9897.	9923.	9984.	10000.	10035.	10090.	10320.
PER Q=	11.8	3.9	3.0	2.4	1.5	8.4	3.1	1.0	1.1	17.2	10.6	35.6	
AREA=	172.0	51.5	54.7	74.7	30.1	39.4	51.9	27.1	22.3	79.7	144.8	394.8	
VEL=	3.4	3.7	2.8	1.6	2.4	10.6	3.0	1.8	2.4	10.7	3.6	4.5	
DEPTH=	1.0	1.3	.8	.3	1.4	2.3	2.0	.4	1.4	2.3	2.6	1.7	

STA=	10320.	10329.
PER Q=	.4	
AREA=	7.0	
VEL=	2.8	
DEPTH=	.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.54

3.888	4.12	1393.22	.00	.00	1393.38	.16	4.12	.02	1391.00
4957.0	1279.2	2944.4	733.4	621.6	848.6	186.6	510.5	270.4	1392.00
1.50	2.06	3.47	3.93	.055	.055	.050	.000	1389.10	8953.63
.005672	430.	510.	570.	3	0	0	.00	1146.94	10100.57

FLOW DISTRIBUTION FOR SECNO= 3.89 CWSEL= 1393.22

STA=	8954.	9123.	9266.	9410.	9515.	9609.	9639.	10015.	10045.	10068.	10091.	10101.
PER Q=	3.0	4.0	4.4	5.0	6.8	2.5	59.4	3.0	4.1	6.4	1.2	
AREA=	99.8	108.8	121.4	113.7	131.9	46.0	848.6	48.9	52.7	68.0	17.0	
VEL=	1.5	1.8	1.8	2.2	2.6	2.7	3.5	3.1	3.9	4.7	3.5	
DEPTH=	.6	.8	.8	1.1	1.4	1.5	2.3	1.6	2.3	3.0	1.7	

1490 NH CARD USED
*SECNO 3.984

3.984	3.99	1396.29	.00	.00	1396.58	.29	3.16	.04	1394.40
4957.0	1243.8	3703.1	10.0	546.3	768.5	4.4	526.1	281.2	1394.20
1.53	2.28	4.82	2.30	.055	.045	.055	.000	1392.30	9006.60
.007919	380.	505.	520.	4	0	0	.00	1039.39	10045.99

FLOW DISTRIBUTION FOR SECNO= 3.98 CWSEL= 1396.29

STA=	9007.	9214.	9264.	9383.	9530.	9674.	9823.	9856.	9975.	9984.	10000.	10023.	10042.
PER Q=	5.5	3.2	5.9	4.6	5.9	24.4	21.1	9.3	.6	7.2	5.6	6.5	
AREA=	133.9	58.8	120.1	112.6	120.9	309.0	103.2	158.4	14.6	40.3	81.4	61.7	
VEL=	2.0	2.7	2.4	2.0	2.4	3.9	10.1	2.9	1.9	8.9	3.4	5.2	
DEPTH=	.6	1.2	1.0	.8	.8	2.1	3.1	1.3	1.5	2.6	3.6	3.2	

STA=	10042.	10046.
PER Q=	.2	
AREA=	4.4	
VEL=	2.3	
DEPTH=	1.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 4.080

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

4.080	4.94	1398.84	.00	.00	1399.03	.19	2.44	.01	1396.70
4957.0	1379.4	2495.4	1082.2	691.7	564.4	431.5	541.3	291.0	1397.20
1.57	1.99	4.42	2.51	.055	.039	.055	.000	1393.90	9270.73
.003757	350.	505.	505.	3	0	0	.00	1028.84	10299.57

FLOW DISTRIBUTION FOR SECNO= 4.08 CWSEL= 1398.84

STA=	9271.	9370.	9445.	9580.	9695.	9757.	9823.	9924.	9963.	10003.	10038.	10102.	10130.
PER Q=	3.7	3.2	7.9	3.5	3.2	6.4	11.2	3.0	32.9	3.3	3.7	3.2	
AREA=	104.0	85.9	188.8	107.9	81.1	124.1	207.9	87.1	182.2	87.2	88.7	57.9	
VEL=	1.8	1.8	2.1	1.6	2.0	2.5	2.7	1.7	8.9	1.8	2.1	2.8	
DEPTH=	1.0	1.1	1.4	.9	1.3	1.9	2.1	2.2	4.6	2.5	1.4	2.1	

STA=	10130.	10151.	10201.	10231.	10300.
PER Q=	3.3	4.1	5.0	2.6	
AREA=	53.9	85.3	77.9	67.9	
VEL=	3.1	2.4	3.2	1.9	
DEPTH=	2.5	1.7	2.6	1.0	

1490 NH CARD USED
*SECNO 4.178

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .63

4.178	4.82	1401.62	.00	.00	1401.99	.38	2.91	.06	1400.40
4957.0	355.0	3284.9	1317.1	169.9	576.0	448.8	558.0	302.3	1400.60
1.60	2.09	5.70	2.93	.055	.045	.055	.000	1396.80	9511.68
.009434	375.	515.	615.	2	0	0	.00	983.50	10498.83

FLOW DISTRIBUTION FOR SECNO= 4.18 CWSEL= 1401.62

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

STA=	9512.	9626.	9799.	9804.	9953.	9989.	10021.	10049.	10141.	10159.	10196.	10314.	10388.
PER Q=	3.2	3.7	.3	23.4	2.9	32.1	7.9	7.3	3.0	3.1	3.3	3.0	
AREA=	73.6	90.8	5.5	286.7	61.9	124.5	103.0	116.6	35.6	49.4	80.5	60.9	
VEL=	2.1	2.0	2.8	4.0	2.3	12.8	3.8	3.1	4.2	3.2	2.0	2.5	
DEPTH=	.6	.5	1.1	1.9	1.7	3.9	3.7	1.3	2.0	1.3	.7	.8	

STA=	10388.	10427.	10499.
PER Q=	4.8	1.9	
AREA=	65.3	40.5	
VEL=	3.7	2.3	
DEPTH=	1.7	.6	

1490 NH CARD USED
*SECNO 4.273

3265 DIVIDED FLOW

4.273	5.47	1405.47	.00	.00	1405.89	.42	3.89	.01	1404.50
4957.0	4.7	3043.0	1909.3	3.6	483.7	725.0	572.9	313.0	1402.80
1.63	1.31	6.29	2.63	.055	.043	.055	.000	1400.00	9909.07
.005918	350.	500.	600.	4	0	0	.00	757.40	10679.01

FLOW DISTRIBUTION FOR SECNO= 4.27 CWSEL= 1405.47

STA=	9909.	9918.	9957.	10000.	10033.	10052.	10114.	10168.	10220.	10408.	10460.	10517.	10589.
PER Q=	.1	9.2	6.9	40.2	5.1	10.9	6.8	3.3	3.6	3.2	3.3	3.2	
AREA=	3.5	109.7	129.5	166.6	77.8	146.1	104.6	66.6	108.1	65.2	68.1	72.8	
VEL=	1.3	4.2	2.6	12.0	3.2	3.7	3.2	2.4	1.7	2.5	2.4	2.2	
DEPTH=	.4	2.9	3.0	5.0	4.1	2.4	1.9	1.3	.6	1.2	1.2	1.0	

STA=	10589.	10679.
PER Q=	4.2	
AREA=	93.5	
VEL=	2.2	
DEPTH=	1.0	

1490 NH CARD USED
*SECNO 4.368

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
4.368	6.15	1409.45	.00	.00	1409.78	.32	3.88	.01	1407.40
4957.0	146.2	1862.0	2948.8	38.9	311.2	856.0	586.7	322.4	1407.10
1.66	3.75	5.98	3.44	.055	.071	.055	.000	1403.30	9933.43
.010673	420.	500.	500.	3	0	0	.00	884.39	10824.43

1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

FLOW DISTRIBUTION FOR SECNO= 4.37 CWSEL= 1409.45

STA=	9933.	9961.	10028.	10057.	10088.	10131.	10181.	10250.	10278.	10321.	10546.	10649.	10747.
PER Q=	3.0	37.6	7.3	8.1	7.4	3.3	4.6	5.1	4.9	5.1	3.6	7.0	
AREA=	38.9	311.2	71.6	78.3	84.2	54.8	76.3	55.9	63.4	122.5	77.6	111.4	
VEL=	3.8	6.0	5.1	5.1	4.4	3.0	3.0	4.5	3.8	2.1	2.3	3.1	
DEPTH=	1.4	4.6	2.5	2.5	2.0	1.1	1.1	2.0	1.5	.5	.8	1.1	

STA=	10747.	10824.
PER Q=	3.0	
AREA=	59.9	
VEL=	2.5	
DEPTH=	.8	

1490 NH CARD USED
*SECNO 4.464

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.67

4.464	5.95	1412.05	.00	.00	1412.41	.35	2.62	.01	1409.40
4957.0	556.9	2364.5	2035.6	216.4	363.2	950.8	599.8	331.3	1410.30
1.69	2.57	6.51	2.14	.055	.040	.055	.000	1406.10	9795.26
.003821	550.	505.	365.	3	0	0	.00	1067.99	10865.77

FLOW DISTRIBUTION FOR SECNO= 4.46 CWSEL= 1412.05

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

STA=	9795.	9925.	9951.	9965.	9988.	10017.	10040.	10098.	10137.	10198.	10221.	10245.	10294.
PER Q=	4.3	4.5	2.4	5.4	37.7	4.6	4.2	3.3	4.3	4.1	4.6	4.2	
AREA=	109.6	69.1	37.7	100.0	173.3	89.9	91.1	67.4	94.0	63.1	68.3	85.0	
VEL=	2.0	3.2	3.2	2.7	10.8	2.5	2.3	2.4	2.3	3.2	3.3	2.4	
DEPTH=	.8	2.7	2.7	4.3	6.0	3.9	1.6	1.7	1.5	2.7	2.8	1.8	

STA=	10294.	10573.	10637.	10714.	10773.	10866.
PER Q=	4.3	3.2	4.4	3.5	1.1	
AREA=	167.6	80.6	106.0	82.2	45.5	
VEL=	1.3	1.9	2.1	2.1	1.2	
DEPTH=	.6	1.3	1.4	1.4	.5	

1490 NH CARD USED
*SECNO 4.541

INTERPOLATED 100-YR. 24-HR. DISCHARGE.

4.541	5.44	1413.74	.00	.00	1414.25	.50	1.60	.04	1412.20
4555.0	1343.0	2411.3	800.7	449.7	327.5	320.3	610.4	338.0	1411.10
1.71	2.99	7.36	2.50	.055	.042	.055	.000	1408.30	9646.26
.006457	390.	406.	300.	3	0	0	.00	701.89	10348.15

FLOW DISTRIBUTION FOR SECNO= 4.54 CWSEL= 1413.74

STA=	9646.	9722.	9784.	9855.	9883.	9903.	9955.	9973.	10000.	10028.	10052.	10074.	10122.
PER Q=	3.0	3.5	5.2	5.0	4.6	6.5	1.8	5.7	40.3	6.9	4.3	4.4	
AREA=	60.6	67.1	88.1	61.6	52.1	92.3	28.1	88.7	144.8	94.0	51.6	70.6	
VEL=	2.3	2.3	2.7	3.7	4.0	3.2	2.9	2.9	12.7	3.3	3.8	2.9	
DEPTH=	.8	1.1	1.3	2.2	2.5	1.8	1.5	3.3	5.1	4.0	2.3	1.5	

STA=	10122.	10243.	10348.
PER Q=	5.3	3.6	
AREA=	114.2	83.8	
VEL=	2.1	2.0	
DEPTH=	.9	.8	

1490 NH CARD USED
*SECNO 4.635

3265 DIVIDED FLOW

4.635	5.71	1416.91	.00	.00	1417.57	.66	3.28	.05	1415.60
4555.0	940.1	2799.2	815.7	360.9	354.5	206.0	621.5	344.7	1414.40
1.73	2.60	7.90	3.96	.055	.038	.061	.000	1411.20	9525.67
.007016	450.	495.	515.	2	0	0	.00	522.46	10146.57

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

FLOW DISTRIBUTION FOR SECNO= 4.64 CWSEL= 1416.91

STA=	9526.	9754.	9793.	9869.	9920.	9973.	9973.	9995.	10021.	10040.	10065.	10088.	10132.
PER Q=	3.1	3.7	4.2	4.0	5.6	.0	5.5	28.3	5.1	22.6	4.0	12.8	
AREA=	73.0	58.0	81.3	65.0	83.3	.4	78.8	110.0	70.6	95.0	61.0	127.9	
VEL=	1.9	2.9	2.4	2.8	3.1	2.7	3.2	11.7	3.3	10.8	3.0	4.5	
DEPTH=	.3	1.5	1.1	1.3	1.6	1.3	3.5	4.3	3.7	3.8	2.7	2.8	

STA=	10132.	10147.
PER Q=	1.1	
AREA=	17.1	
VEL=	2.9	
DEPTH=	1.2	

1490 NH CARD USED
*SECNO 4.731
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

4.731	6.02	1420.42	.00	.00	1420.73	.31	3.13	.03	1419.40
4555.0	585.8	2153.0	1816.2	265.5	405.2	466.2	633.1	350.2	1417.80
1.76	2.21	5.31	3.90	.055	.060	.055	.000	1414.40	9698.87
.005595	400.	505.	550.	2	0	0	.00	517.49	10216.36

FLOW DISTRIBUTION FOR SECNO= 4.73 CWSEL= 1420.42

STA=	9699.	9788.	9859.	9925.	9944.	10025.	10038.	10077.	10096.	10113.	10149.	10178.	10216.
PER Q=	3.5	4.6	3.9	.9	47.3	3.1	10.0	5.3	6.6	9.3	3.4	2.2	
AREA=	78.8	88.7	78.6	19.4	405.2	35.8	110.9	57.0	63.2	103.1	52.5	43.8	
VEL=	2.0	2.3	2.3	2.1	5.3	3.9	4.1	4.2	4.8	4.1	3.0	2.3	
DEPTH=	.9	1.3	1.2	1.0	5.0	2.7	2.9	3.0	3.6	2.9	1.8	1.2	

1490 NH CARD USED
*SECNO 4.827

3470 ENCROACHMENT STATIONS= 9956.0 10369.0 TYPE= 1 TARGET= 413.000
ENCROACHMENT (ET RECORD) USED TO BLOCK OUT INEFFECTIVE FLOW AREA
FOR FLOODPLAIN ANALYSIS (FILE:DBWH6).FOR EQUAL CONVEYANCE FLOODWAY
(ET RECORD-METHOD 4) THE GR PTS WERE DELETED OUTSIDE INEFF. BYD.
TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA.

4.827	5.46	1423.96	.00	.00	1424.38	.42	3.62	.03	1428.10
4555.0	.0	2115.3	2439.7	.0	424.5	454.2	645.2	354.8	1420.30
1.79	.00	4.98	5.37	.000	.071	.055	.000	1418.50	9965.72
.008620	450.	505.	560.	4	0	0	.00	271.62	10237.34

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

FLOW DISTRIBUTION FOR SECNO= 4.83 CWSEL= 1423.96

STA=	9966.	10068.	10082.	10097.	10163.	10175.	10237.
PER Q=	46.4	7.4	8.9	29.4	3.4	4.5	
AREA=	424.5	54.5	63.4	230.8	32.0	73.6	
VEL=	5.0	6.2	6.4	5.8	4.8	2.8	
DEPTH=	4.2	3.9	4.1	3.5	2.7	1.2	

1490 NH CARD USED
*SECNO 4.918
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9875.6 10463.0 TYPE= 1 TARGET= 587.400
PER SECTION 4.827 COMMENTS, GR PTS OUTSIDE INEFF. AREA ENCROACHMENT
WERE DELETED TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA

4.918	6.21	1426.81	.00	.00	1427.09	.28	2.69	.01	1424.00
4555.0	747.8	1931.9	1875.3	225.7	391.3	490.1	655.0	358.1	1424.40
1.82	3.31	4.94	3.83	.055	.058	.055	.000	1420.60	9894.82
.004765	500.	480.	370.	2	0	0	.00	413.15	10446.98

FLOW DISTRIBUTION FOR SECNO= 4.92 CWSEL= 1426.81

STA=	9895.	9952.	9982.	9993.	10076.	10118.	10139.	10199.	10231.	10447.
PER Q=	10.0	4.9	1.5	42.4	9.3	6.5	18.9	6.0	.6	
AREA=	133.6	68.5	23.6	391.3	115.2	71.6	203.1	80.0	20.2	
VEL=	3.4	3.3	3.0	4.9	3.7	4.1	4.2	3.4	1.3	
DEPTH=	2.3	2.3	2.0	4.7	2.8	3.3	3.4	2.5	.1	

1490 NH CARD USED
*SECNO 5.011
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

5.011	6.12	1429.42	.00	.00	1429.69	.26	2.59	.00	1427.10
4555.0	1802.5	1445.6	1306.9	488.6	286.6	378.3	667.0	363.2	1427.00
1.85	3.69	5.04	3.45	.055	.068	.055	.000	1423.30	9737.98
.006621	525.	490.	390.	2	0	0	.00	562.62	10300.60

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

FLOW DISTRIBUTION FOR SECNO= 5.01 CWSEL= 1429.42

STA=	9738.	9808.	9840.	9871.	9885.	9924.	9951.	9969.	9984.	10043.	10127.	10139.	10258.
PER Q=	5.1	3.9	4.1	3.4	9.5	5.9	4.3	3.4	31.7	18.9	3.1	6.3	
AREA=	85.0	55.9	56.6	36.6	103.3	67.2	46.3	37.7	286.6	211.3	33.8	120.5	
VEL=	2.7	3.2	3.3	4.2	4.2	4.0	4.2	4.1	5.0	4.1	4.2	2.4	
DEPTH=	1.2	1.8	1.8	2.6	2.6	2.5	2.6	2.5	4.8	2.5	2.7	1.0	

STA=	10258.	10301.
PER Q=	.3	
AREA=	12.8	
VEL=	1.0	
DEPTH=	.3	

1490 NH CARD USED
*SECNO 5.106

5.106	6.08	1431.88	.00	.00	1432.22	.34	2.51	.02	1428.80
4555.0	2136.7	2027.5	390.8	655.9	333.9	150.1	680.0	369.0	1429.60
1.88	3.26	6.07	2.60	.055	.045	.055	.000	1425.80	9650.95
.003985	510.	500.	460.	2	0	0	.00	465.87	10116.81

FLOW DISTRIBUTION FOR SECNO= 5.11 CWSEL= 1431.88

STA=	9651.	9744.	9788.	9845.	9886.	9909.	9916.	9927.	9940.	9964.	9988.	10009.	10031.
PER Q=	4.3	5.0	6.1	3.8	5.3	3.8	7.4	5.6	5.6	7.0	32.1	5.5	
AREA=	98.1	85.6	107.4	70.2	68.9	35.8	63.1	55.0	71.8	110.8	130.8	92.3	
VEL=	2.0	2.6	2.6	2.5	3.5	4.8	5.4	4.6	3.5	2.9	11.2	2.7	
DEPTH=	1.1	1.9	1.9	1.7	3.0	4.8	5.6	4.5	3.0	4.6	6.1	4.2	

STA=	10031.	10059.	10102.	10117.
PER Q=	4.0	4.2	.5	
AREA=	61.7	75.9	12.6	
VEL=	2.9	2.5	1.7	
DEPTH=	2.2	1.7	.9	

1490 NH CARD USED
*SECNO 5.201

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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= 9783.7 10186.0 TYPE= 1 TARGET= 402.300
PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

5.201	6.07	1434.47	1434.47	.00	1435.55	1.08	2.85	.22	1432.50
4555.0	1299.0	2849.2	406.8	338.7	282.1	98.8	690.8	373.5	1431.30
1.90	3.84	10.10	4.12	.055	.038	.055	.000	1428.40	9787.58
.008711	510.	500.	490.	2	5	0	.00	305.24	10092.82

FLOW DISTRIBUTION FOR SECNO= 5.20 CWSEL= 1434.47

STA=	9788.	9819.	9837.	9866.	9977.	9991.	10017.	10037.	10052.	10077.	10093.
PER Q=	4.5	6.6	3.5	14.0	3.5	51.3	7.8	4.5	3.8	.6	
AREA=	55.2	57.0	45.1	181.4	46.4	149.0	86.6	41.3	45.2	12.3	
VEL=	3.7	5.3	3.5	3.5	3.4	15.7	4.1	5.0	3.8	2.3	
DEPTH=	1.8	3.0	1.6	1.6	3.3	5.7	4.4	2.8	1.9	.8	

1490 NH CARD USED
*SECNO 5.307

3470 ENCROACHMENT STATIONS= 9745.9 10214.0 TYPE= 1 TARGET= 468.100
PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

5.307	6.77	1438.37	.00	.00	1439.10	.73	3.52	.04	1435.90
4555.0	1353.3	2759.7	442.0	394.6	328.7	173.3	700.9	378.0	1436.10
1.92	3.43	8.39	2.55	.055	.036	.055	.000	1431.60	9750.39
.004893	520.	560.	580.	2	0	0	.00	417.58	10167.96

FLOW DISTRIBUTION FOR SECNO= 5.31 CWSEL= 1438.37

STA=	9750.	9867.	9881.	9912.	9934.	9977.	9997.	10024.	10042.	10078.	10148.	10168.
PER Q=	4.0	3.3	8.4	5.2	8.9	5.7	51.3	3.6	4.6	3.5	1.7	
AREA=	84.6	40.0	95.4	61.5	113.0	85.3	180.5	63.0	70.0	74.8	28.6	
VEL=	2.1	3.7	4.0	3.8	3.6	3.0	13.0	2.6	3.0	2.1	2.7	
DEPTH=	.7	2.7	3.1	2.9	2.6	4.3	6.6	3.4	1.9	1.1	1.4	

1490 NH CARD USED
*SECNO 5.414

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

3470 ENCROACHMENT STATIONS= 9662.0 10269.0 TYPE= 1 TARGET= 607.000

5.414	5.75	1441.35	.00	.00	1442.48	1.14	3.26	.12	1439.70
4555.0	731.3	3718.1	105.6	217.1	398.4	37.7	710.7	382.1	1438.90
1.94	3.37	9.33	2.81	.055	.038	.055	.000	1435.60	9823.63
.007155	525.	565.	565.	2	0	0	.00	249.28	10072.91

FLOW DISTRIBUTION FOR SECNO= 5.41 CWSEL= 1441.35

STA=	9824.	9904.	9956.	9977.	10017.	10040.	10073.
PER Q=	9.1	6.9	6.4	68.0	7.2	2.3	
AREA=	123.4	93.7	83.9	221.7	92.8	37.7	
VEL=	3.4	3.4	3.5	14.0	3.5	2.8	
DEPTH=	1.5	1.8	4.1	5.5	4.1	1.1	

1490 NH CARD USED
*SECNO 5.518

3301 HV CHANGED MORE THAN HVINS

5.518	6.50	1445.10	.00	.00	1445.67	.56	3.13	.06	1440.70
4555.0	660.9	2608.1	1285.9	155.1	352.8	445.8	720.7	386.1	1443.90
1.97	4.26	7.39	2.88	.055	.040	.055	.000	1438.60	9922.51
.004683	525.	550.	550.	2	0	0	.00	384.75	10307.26

FLOW DISTRIBUTION FOR SECNO= 5.52 CWSEL= 1445.10

STA=	9923.	9966.	9975.	9989.	10018.	10046.	10115.	10151.	10228.	10249.	10274.	10307.
PER Q=	9.9	4.6	4.3	45.8	7.1	6.5	4.1	3.7	3.4	6.7	3.9	
AREA=	114.6	40.5	64.9	173.1	114.8	114.0	65.9	78.7	47.5	77.6	62.1	
VEL=	3.9	5.1	3.0	12.1	2.8	2.6	2.8	2.1	3.3	3.9	2.9	
DEPTH=	2.6	4.7	4.4	6.1	4.0	1.7	1.9	1.0	2.4	3.1	1.8	

1490 NH CARD USED
*SECNO 5.626

3470 ENCROACHMENT STATIONS= 9755.5 10125.0 TYPE= 1 TARGET= 369.500

5.626	6.49	1447.59	.00	.00	1448.32	.73	2.61	.05	1445.00
4555.0	1003.8	3043.4	507.8	277.2	381.0	145.1	731.9	390.1	1444.80
1.99	3.62	7.99	3.50	.055	.038	.055	.000	1441.10	9838.42
.004627	520.	570.	565.	3	0	0	.00	243.57	10081.99

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

FLOW DISTRIBUTION FOR SECNO= 5.63 CWSEL= 1447.59

STA=	9838.	9895.	9919.	9936.	9951.	9970.	10004.	10025.	10049.	10057.	10082.
PER Q=	8.1	8.9	3.3	1.8	4.9	55.7	6.2	3.7	3.4	4.1	
AREA=	115.2	90.0	43.1	29.0	77.1	210.8	93.2	53.4	33.2	58.5	
VEL=	3.2	4.5	3.4	2.8	2.9	12.0	3.1	3.2	4.6	3.2	
DEPTH=	2.0	3.8	2.6	1.8	4.1	6.1	4.5	2.3	4.2	2.3	

1490 NH CARD USED
*SECNO 5.732
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

5.732	6.06	1450.76	.00	.00	1451.32	.56	2.99	.02	1448.80
4150.0	18.2	2169.3	1962.5	7.9	301.3	448.3	741.9	393.0	1447.70
2.02	2.31	7.20	4.38	.055	.049	.058	.000	1444.70	9946.00
.006368	540.	560.	560.	2	0	0	.00	217.06	10163.06

FLOW DISTRIBUTION FOR SECNO= 5.73 CWSEL= 1450.76

STA=	9946.	9950.	9955.	10013.	10029.	10067.	10105.	10148.	10163.
PER Q=	.0	.4	52.3	3.5	15.7	14.7	12.3	1.1	
AREA=	1.5	6.4	301.3	51.8	132.1	126.3	120.0	18.0	
VEL=	1.1	2.6	7.2	2.8	4.9	4.8	4.2	2.5	
DEPTH=	.4	1.4	5.2	3.2	3.5	3.4	2.8	1.2	

1490 NH CARD USED
*SECNO 5.824
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

5.824	6.46	1453.66	.00	.00	1453.91	.25	2.55	.03	1449.30
4150.0	1842.3	1329.4	978.3	524.8	268.4	288.9	752.0	396.5	1450.90
2.05	3.51	4.95	3.39	.055	.063	.055	.000	1447.20	9705.82
.004558	520.	485.	440.	2	0	0	.00	419.49	10157.72

FLOW DISTRIBUTION FOR SECNO= 5.82 CWSEL= 1453.66

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

STA=	9706.	9731.	9751.	9760.	9772.	9784.	9817.	9839.	9868.	9982.	10030.	10044.	10070.
PER Q=	3.6	6.9	3.3	4.2	4.0	8.6	5.3	3.4	5.0	32.0	3.7	8.2	
AREA=	47.4	68.9	32.5	41.0	40.6	96.4	61.4	51.6	84.9	268.4	41.4	84.1	
VEL=	3.2	4.2	4.2	4.3	4.0	3.7	3.6	2.7	2.4	5.0	3.8	4.1	
DEPTH=	1.9	3.5	3.5	3.6	3.3	2.9	2.8	1.8	.7	5.6	3.0	3.3	

STA=	10070.	10091.	10118.	10149.	10158.
PER Q=	4.8	3.4	3.4	.1	
AREA=	57.2	50.3	52.5	3.4	
VEL=	3.5	2.8	2.7	1.0	
DEPTH=	2.6	1.9	1.7	.4	

1490 NH CARD USED
*SECNO 5.934
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

5.934	6.68	1456.68	.00	.00	1456.89	.22	2.98	.00	1453.90
4150.0	2745.1	1347.3	57.6	900.2	275.1	21.6	767.7	403.5	1453.80
2.10	3.05	4.90	2.67	.055	.067	.055	.000	1450.00	9457.68
.005429	600.	580.	660.	3	0	0	.00	590.37	10048.06

FLOW DISTRIBUTION FOR SECNO= 5.93 CWSEL= 1456.68

STA=	9458.	9494.	9519.	9545.	9575.	9638.	9701.	9751.	9804.	9852.	9875.	9893.	9911.
PER Q=	4.2	5.4	3.8	3.6	3.6	4.4	3.4	4.1	5.6	5.5	5.8	4.1	
AREA=	59.9	61.5	51.0	52.7	67.0	78.2	61.8	70.8	81.7	60.9	56.2	45.2	
VEL=	2.9	3.6	3.1	2.9	2.2	2.3	2.3	2.4	2.9	3.7	4.3	3.7	
DEPTH=	1.7	2.5	2.0	1.7	1.1	1.2	1.2	1.3	1.7	2.5	3.2	2.6	

STA=	9911.	9942.	9971.	9980.	10031.	10048.
PER Q=	5.8	4.6	2.1	32.5	1.4	
AREA=	71.0	59.2	23.1	275.1	21.6	
VEL=	3.4	3.2	3.8	4.9	2.7	
DEPTH=	2.2	2.1	2.6	5.3	1.3	

1490 NH CARD USED
*SECNO 6.033
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9412.3 10090.0 TYPE= 1 TARGET= 677.700

6.033	7.04	1460.14	.00	.00	1460.62	.48	3.65	.08	1457.80
4150.0	1870.2	2279.8	.0	455.0	348.1	.0	778.6	409.2	1468.90
2.12	4.11	6.55	.00	.055	.069	.000	.000	1453.10	9510.97
.011194	450.	525.	550.	3	0	0	.00	488.34	10047.68

FLOW DISTRIBUTION FOR SECNO= 6.03 CWSEL= 1460.14

STA=	9511.	9662.	9838.	9874.	9898.	9912.	9922.	9962.	9978.	10080.
PER Q=	3.3	3.4	4.5	5.2	4.0	3.3	17.6	3.8	54.9	
AREA=	74.1	68.3	51.6	48.1	32.7	25.4	121.5	33.3	348.1	
VEL=	1.8	2.1	3.6	4.5	5.0	5.3	6.0	4.8	6.5	
DEPTH=	.5	.4	1.4	2.0	2.3	2.5	3.0	2.2	5.0	

1490 NH CARD USED
*SECNO 6.144
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9645.2 10038.0 TYPE= 1 TARGET= 392.800

6.144	7.68	1464.88	.00	.00	1465.25	.37	4.62	.01	1461.60
4150.0	1365.5	2532.1	252.4	372.4	463.7	56.0	789.3	414.2	1458.50
2.16	3.67	5.46	4.50	.055	.068	.055	.000	1457.20	9674.78
.006423	500.	590.	590.	2	0	0	.00	352.99	10027.76

FLOW DISTRIBUTION FOR SECNO= 6.14 CWSEL= 1464.88

STA=	9675.	9759.	9847.	9881.	9899.	9907.	9926.	10010.	10028.
PER Q=	3.2	3.5	5.8	8.7	3.9	7.7	61.0	6.1	
AREA=	67.7	74.4	66.3	68.4	30.7	64.9	463.7	56.0	
VEL=	2.0	2.0	3.6	5.3	5.3	4.9	5.5	4.5	
DEPTH=	.8	.8	2.0	3.8	3.8	3.5	5.5	3.2	

1490 NH CARD USED
*SECNO 6.244

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

6.244	6.59	1467.79	.00	.00	1468.03	.24	2.77	.01	1466.00
4150.0	27.4	1945.7	2176.9	16.0	445.7	618.3	800.6	418.2	1466.00
2.19	1.71	4.37	3.52	.055	.065	.055	.000	1461.20	9927.11
.004702	340.	530.	560.	2	0	0	.00	385.77	10312.89

FLOW DISTRIBUTION FOR SECNO= 6.24 CWSEL= 1467.79

STA=	9927.	9945.	10040.	10140.	10175.	10210.	10245.	10270.	10295.	10313.
PER Q=	.7	46.9	9.2	3.2	8.6	14.4	10.3	6.2	.7	
AREA=	16.0	445.7	153.9	53.9	97.6	132.6	94.7	69.7	16.0	
VEL=	1.7	4.4	2.5	2.5	3.7	4.5	4.5	3.7	1.7	
DEPTH=	.9	4.7	1.5	1.5	2.8	3.8	3.8	2.8	.9	

1490 NH CARD USED
*SECNO 6.364
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9688.7 10298.1 TYPE= 1 TARGET= 609.399

6.364	4.74	1470.34	.00	.00	1470.85	.51	2.73	.08	1468.40
4150.0	57.1	3942.5	150.4	42.4	674.3	97.7	813.0	423.6	1468.90
2.22	1.35	5.85	1.54	.055	.040	.055	.000	1465.60	9751.43
.004629	650.	635.	460.	2	0	0	.00	467.39	10218.82

FLOW DISTRIBUTION FOR SECNO= 6.36 CWSEL= 1470.34

STA=	9751.	9836.	10031.	10114.	10219.
PER Q=	1.4	95.0	3.2	.5	
AREA=	42.4	674.3	72.7	25.0	
VEL=	1.3	5.8	1.8	.8	
DEPTH=	.5	3.5	.9	.2	

1490 NH CARD USED
*SECNO 6.480

3470 ENCROACHMENT STATIONS= 9681.8 10303.0 TYPE= 1 TARGET= 621.200

6.480	3.91	1472.81	.00	.00	1473.36	.56	2.50	.01	1472.40
4150.0	3.3	3915.6	231.1	5.7	637.4	122.3	823.9	429.1	1471.90
2.25	.58	6.14	1.89	.055	.029	.055	.000	1468.90	9819.19
.003709	675.	610.	520.	2	0	0	.00	359.47	10178.67

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

FLOW DISTRIBUTION FOR SECNO= 6.48 CWSEL= 1472.81

STA=	9819.	9847.	9931.	9981.	10045.	10072.	10135.	10179.
PER Q=	.1	51.2	3.9	38.5	.7	3.1	2.4	
AREA=	5.7	289.8	101.2	219.3	27.2	71.7	50.6	
VEL=	.6	7.3	1.6	7.3	1.0	1.8	2.0	
DEPTH=	.2	3.4	2.0	3.4	1.0	1.1	1.2	

1490 NH CARD USED
*SECNO 6.585

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

6.585	3.24	1475.74	1475.74	.00	1476.72	.98	3.04	.13	1475.50
4150.0	.6	4097.2	52.2	1.2	512.2	34.8	832.1	433.5	1475.30
2.27	.51	8.00	1.50	.055	.030	.055	.000	1472.50	9882.47
.009042	565.	555.	475.	2	15	0	.00	353.77	10273.99

FLOW DISTRIBUTION FOR SECNO= 6.59 CWSEL= 1475.74

STA=	9882.	9919.	9944.	10139.	10152.	10274.
PER Q=	.0	3.7	94.8	.2	1.3	
AREA=	1.2	56.2	447.9	8.1	34.8	
VEL=	.5	2.7	8.8	1.1	1.5	
DEPTH=	.0	2.3	2.3	.6	.3	

1490 NH CARD USED
*SECNO 6.697
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.56

3470 ENCROACHMENT STATIONS= 9581.4 10288.1 TYPE= 1 TARGET= 706.699

6.697	4.24	1479.84	.00	.00	1480.05	.21	3.25	.08	1478.30
4150.0	2058.3	2087.2	4.5	668.1	506.4	7.4	843.8	439.3	1479.40
2.31	3.08	4.12	.60	.055	.046	.055	.000	1475.60	9663.39
.003695	590.	590.	590.	4	0	0	.00	509.49	10172.88

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

FLOW DISTRIBUTION FOR SECNO= 6.70 CWSEL= 1479.84

STA=	9663.	9750.	9793.	9805.	9818.	9830.	9843.	9912.	9967.	9973.	10139.	10173.
PER Q=	3.3	7.3	3.6	3.9	4.6	3.1	14.5	8.7	.5	50.3	.1	
AREA=	71.8	101.6	41.5	44.2	46.2	39.2	187.2	126.9	9.4	506.4	7.4	
VEL=	1.9	3.0	3.6	3.7	4.1	3.3	3.2	2.9	2.3	4.1	.6	
DEPTH=	.8	2.4	3.3	3.4	4.0	2.9	2.7	2.3	1.6	3.0	.2	

1490 NH CARD USED
*SECNO 6.801
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9672.5 10246.9 TYPE= 1 TARGET= 574.400

6.801	5.16	1482.36	.00	.00	1482.88	.52	2.74	.10	1480.60
4150.0	794.6	2591.2	764.2	297.0	368.8	262.9	857.3	445.9	1480.60
2.34	2.68	7.03	2.91	.055	.048	.055	.000	1477.20	9726.90
.006995	550.	550.	580.	2	0	0	.00	519.37	10246.27

FLOW DISTRIBUTION FOR SECNO= 6.80 CWSEL= 1482.36

STA=	9727.	9804.	9844.	9893.	9949.	9977.	10059.	10087.	10129.	10180.	10217.	10246.
PER Q=	3.0	5.5	4.0	4.1	2.5	62.4	3.0	5.1	4.2	4.6	1.6	
AREA=	61.8	69.7	62.0	66.2	37.3	368.8	42.5	68.1	64.8	60.1	27.3	
VEL=	2.0	3.3	2.7	2.6	2.8	7.0	3.0	3.1	2.7	3.2	2.4	
DEPTH=	.8	1.7	1.3	1.2	1.3	4.5	1.5	1.6	1.3	1.6	.9	

1490 NH CARD USED
*SECNO 6.908

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9719.2 10476.1 TYPE= 1 TARGET= 756.899
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

6.908	4.61	1485.91	1485.90	.00	1486.63	.72	3.69	.06	1484.10
3750.0	192.3	2716.6	841.2	89.8	344.9	339.1	867.9	452.5	1484.70
2.37	2.14	7.88	2.48	.055	.036	.055	.000	1481.30	9790.78
.006334	620.	565.	475.	4	12	0	.00	550.84	10373.25

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

FLOW DISTRIBUTION FOR SECNO= 6.91 CWSEL= 1485.91

STA=	9791.	9946.	9949.	9966.	10008.	10040.	10144.	10207.	10241.	10275.	10312.	10373.
PER Q=	4.7	.4	4.1	61.7	6.7	3.9	3.3	3.2	7.0	3.8	1.3	
AREA=	84.7	5.1	54.0	197.6	93.3	78.2	59.4	44.6	73.3	52.4	31.3	
VEL=	2.1	3.1	2.8	11.7	2.7	1.9	2.1	2.7	3.6	2.7	1.5	
DEPTH=	.5	1.8	3.2	4.6	2.9	.8	.9	1.3	2.1	1.4	.5	

1490 NH CARD USED
*SECNO 7.012

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9713.5 10347.9 TYPE= 1 TARGET= 634.400

7.012	5.00	1488.80	1488.52	.00	1489.68	.88	3.00	.05	1487.20
3750.0	278.0	3262.3	209.7	137.7	405.1	110.2	876.6	458.2	1485.60
2.39	2.02	8.05	1.90	.055	.033	.055	.000	1483.80	9763.17
.004884	550.	550.	490.	4	5	0	.00	408.53	10327.87

FLOW DISTRIBUTION FOR SECNO= 7.01 CWSEL= 1488.80

STA=	9763.	9877.	9928.	9934.	9966.	10031.	10034.	10066.	10328.
PER Q=	3.1	3.5	.8	6.8	79.6	.6	3.5	2.1	
AREA=	65.8	60.6	11.3	102.0	294.5	8.7	50.9	59.3	
VEL=	1.8	2.2	2.6	2.5	10.1	2.6	2.6	1.3	
DEPTH=	.6	1.2	1.6	3.2	4.5	3.3	1.6	.2	

1490 NH CARD USED
*SECNO 7.130
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

7.130	6.82	1493.52	1492.65	.00	1494.36	.84	4.67	.00	1492.90
3750.0	289.2	3107.9	352.9	71.7	393.4	109.7	885.4	463.7	1490.00
2.41	4.04	7.90	3.22	.055	.064	.055	.000	1486.70	9909.13
.012899	630.	625.	605.	5	8	0	.00	359.40	10515.95

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

FLOW DISTRIBUTION FOR SECNO= 7.13 CWSEL= 1493.52

STA=	9909.	9925.	9940.	10000.	10075.	10089.	10486.	10516.
PER Q=	3.2	3.8	.7	82.9	5.2	3.2	.9	
AREA=	25.3	29.3	17.0	393.4	34.7	59.5	15.4	
VEL=	4.7	4.9	1.5	7.9	5.6	2.0	2.3	
DEPTH=	1.6	2.0	.3	5.2	2.5	.2	.5	

1490 NH CARD USED
*SECNO 7.232
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.77

7.232	8.09	1497.89	.00	.00	1498.06	.18	3.64	.07	1496.00
3750.0	954.9	1545.9	1249.1	397.2	343.5	558.9	897.0	471.1	1495.80
2.46	2.40	4.50	2.23	.055	.070	.055	.000	1489.80	9671.36
.004137	540.	540.	540.	4	0	0	.00	842.76	10514.12

FLOW DISTRIBUTION FOR SECNO= 7.23 CWSEL= 1497.89

STA=	9671.	9703.	9735.	9755.	9776.	9818.	9924.	9965.	10021.	10055.	10069.	10097.	10226.
PER Q=	3.3	6.3	3.2	3.7	3.3	3.0	2.6	41.2	8.3	3.8	3.3	4.2	
AREA=	47.8	75.6	43.0	46.1	57.1	79.3	48.5	343.5	92.1	40.1	49.5	103.4	
VEL=	2.6	3.1	2.8	3.0	2.2	1.4	2.0	4.5	3.4	3.5	2.5	1.5	
DEPTH=	1.5	2.4	2.1	2.2	1.4	.7	1.2	6.2	2.7	2.9	1.7	.8	

STA=	10226.	10305.	10336.	10437.	10514.
PER Q=	5.2	3.3	4.6	.7	
AREA=	96.8	51.2	97.8	28.1	
VEL=	2.0	2.4	1.8	.9	
DEPTH=	1.2	1.6	1.0	.4	

1490 NH CARD USED
*SECNO 7.337

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9687.0 10438.0 TYPE= 1 TARGET= 751.000

7.337	7.38	1500.08	.00	.00	1500.54	.46	2.39	.08	1498.00
3750.0	254.5	3218.0	277.5	138.3	553.7	154.4	910.7	479.7	1498.30
2.49	1.84	5.81	1.80	.055	.053	.055	.000	1492.70	9746.42
.004496	555.	555.	555.	3	0	0	.00	504.02	10314.14

FLOW DISTRIBUTION FOR SECNO= 7.34 CWSEL= 1500.08

STA=	9746.	9930.	9984.	9986.	10086.	10149.	10314.
PER Q=	3.2	3.4	.2	85.8	5.0	2.4	
AREA=	72.5	62.3	3.5	553.7	84.2	70.1	
VEL=	1.6	2.0	2.5	5.8	2.2	1.3	
DEPTH=	.4	1.1	1.7	5.5	1.3	.4	

1490 NH CARD USED
*SECNO 7.448

7.448	5.67	1502.37	.00	.00	1503.31	.95	2.63	.15	1502.00
3750.0	6.0	3699.0	45.0	8.1	470.6	31.7	919.8	484.5	1501.30
2.51	.74	7.86	1.42	.055	.033	.055	.000	1496.70	9938.10
.004477	585.	585.	600.	2	0	0	.00	193.43	10131.53

FLOW DISTRIBUTION FOR SECNO= 7.45 CWSEL= 1502.37

STA=	9938.	9972.	10000.	10058.	10084.	10132.
PER Q=	.2	4.3	88.6	5.8	1.2	
AREA=	8.1	75.0	307.7	87.9	31.7	
VEL=	.7	2.1	10.8	2.5	1.4	
DEPTH=	.2	2.7	5.3	3.4	.7	

1490 NH CARD USED
*SECNO 7.562

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3301 HV CHANGED MORE THAN HVINS

AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "BR" PTS.

7.562	7.23	1506.53	.00	.00	1506.92	.39	3.55	.06	1504.70
3750.0	225.9	2166.4	1357.7	75.4	373.8	365.9	929.0	488.4	1504.70
2.54	3.00	5.80	3.71	.055	.069	.055	.000	1499.30	9918.40
.008062	540.	600.	630.	3	0	0	.00	374.69	10299.99

FLOW DISTRIBUTION FOR SECNO= 7.56 CWSEL= 1506.53

STA=	9918.	9965.	9980.	10051.	10068.	10083.	10110.	10123.	10143.	10180.	10253.	10300.
PER Q=	3.7	2.3	57.8	3.5	3.6	8.4	3.9	4.7	6.5	3.7	1.8	
AREA=	50.5	24.9	373.8	34.4	32.4	70.2	32.7	43.0	67.5	57.1	28.6	
VEL=	2.8	3.4	5.8	3.9	4.1	4.5	4.5	4.1	3.6	2.4	2.4	
DEPTH=	1.1	1.7	5.3	2.0	2.2	2.5	2.5	2.2	1.8	.8	.6	

1490 NH CARD USED
*SECNO 7.666
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

3470 ENCROACHMENT STATIONS= 9604.9 10201.0 TYPE= 1 TARGET= 596.100

7.666	7.22	1509.62	.00	.00	1509.86	.24	2.92	.01	1506.70
3750.0	1501.4	1821.9	426.7	434.4	402.5	188.6	940.8	493.3	1508.00
2.58	3.46	4.53	2.26	.055	.063	.055	.000	1502.40	9798.55
.003683	550.	550.	580.	3	0	0	.00	378.20	10176.75

FLOW DISTRIBUTION FOR SECNO= 7.67 CWSEL= 1509.62

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

STA=	9799.	9879.	9895.	9919.	9932.	9947.	9956.	9964.	9976.	10047.	10070.	10110.	10145.
PER Q=	4.9	4.3	8.2	3.9	6.8	4.5	3.5	4.0	48.6	3.7	3.7	3.2	
AREA=	91.7	47.5	82.8	40.9	61.5	37.5	31.3	41.1	402.5	49.7	62.0	54.3	
VEL=	2.0	3.4	3.7	3.6	4.1	4.4	4.2	3.7	4.5	2.8	2.2	2.2	
DEPTH=	1.1	3.0	3.4	3.2	4.0	4.5	4.1	3.4	5.7	2.2	1.5	1.6	

STA=	10145.	10177.
PER Q=	.8	
AREA=	22.6	
VEL=	1.3	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 7.770
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9885.7 10353.2 TYPE= 1 TARGET= 467.500

7.770	6.94	1511.84	.00	.00	1512.30	.45	2.37	.06	1511.10
3750.0	84.7	3594.1	71.2	46.0	653.1	42.3	951.9	497.0	1510.50
2.61	1.84	5.50	1.68	.055	.061	.055	.000	1504.90	9909.60
.005184	550.	550.	510.	2	0	0	.00	231.55	10141.15

FLOW DISTRIBUTION FOR SECNO= 7.77 CWSEL= 1511.84

STA=	9910.	9962.	10079.	10141.
PER Q=	2.3	95.8	1.9	
AREA=	46.0	653.1	42.3	
VEL=	1.8	5.5	1.7	
DEPTH=	.9	5.6	.7	

1490 NH CARD USED
*SECNO 7.883
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

7.883	6.69	1515.39	.00	.00	1515.77	.38	3.46	.01	1511.10
3750.0	221.0	2215.3	1313.7	56.7	399.1	336.1	962.2	500.6	1514.30
2.64	3.90	5.55	3.91	.055	.068	.055	.000	1508.70	9948.85
.006765	610.	595.	550.	3	0	0	.00	309.47	10258.33

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

FLOW DISTRIBUTION FOR SECNO= 7.88 CWSEL= 1515.39

STA=	9949.	9980.	10053.	10115.	10137.	10147.	10158.	10178.	10228.	10258.
PER Q=	5.9	59.1	3.6	9.8	6.7	4.2	4.2	6.4	.1	
AREA=	56.7	399.1	60.2	74.4	42.1	34.3	42.7	78.0	4.4	
VEL=	3.9	5.6	2.3	4.9	5.9	4.6	3.7	3.1	.9	
DEPTH=	1.8	5.5	1.0	3.3	4.4	3.0	2.1	1.6	.1	

1490 NH CARD USED
*SECNO 7.988
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

7.988	5.26	1518.56	.00	.00	1518.79	.24	3.01	.01	1516.10
3750.0	498.7	1845.0	1406.3	160.8	423.8	396.4	973.4	505.5	1519.90
2.68	3.10	4.35	3.55	.055	.059	.042	.000	1513.30	9854.64
.004483	555.	555.	550.	2	0	0	.00	455.71	10469.85

FLOW DISTRIBUTION FOR SECNO= 7.99 CWSEL= 1518.56

STA=	9855.	9904.	9917.	9932.	9936.	10042.	10238.	10268.	10311.	10422.	10432.	10451.	10470.
PER Q=	4.8	3.3	4.3	.9	49.2	3.0	3.4	5.8	3.6	4.6	14.3	2.7	
AREA=	71.0	35.2	43.3	11.3	423.8	65.3	50.6	79.2	69.6	30.1	66.1	35.5	
VEL=	2.5	3.5	3.7	3.2	4.4	1.7	2.5	2.7	1.9	5.8	8.1	2.9	
DEPTH=	1.4	2.7	2.9	2.4	4.2	.3	1.7	1.8	.6	3.1	3.5	1.9	

1490 NH CARD USED
*SECNO 8.092
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .61

AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

8.092	5.42	1522.12	.00	.00	1522.59	.47	3.73	.07	1519.10
3345.0	698.9	1068.0	1578.1	216.9	210.9	242.8	984.8	512.0	1521.60
2.72	3.22	5.06	6.50	.055	.070	.037	.000	1516.70	9796.07
.009470	525.	550.	690.	2	0	0	.00	462.12	10570.47

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

FLOW DISTRIBUTION FOR SECNO= 8.09 CWSEL= 1522.12

STA=	9796.	9827.	9855.	9876.	9919.	9978.	10032.	10271.	10284.	10303.	10319.	10570.
PER Q=	3.3	4.8	3.7	5.4	3.7	31.9	3.1	13.2	25.6	3.4	2.0	
AREA=	35.9	44.8	33.8	56.8	45.5	210.9	56.4	40.5	69.7	38.7	37.5	
VEL=	3.1	3.6	3.6	3.2	2.7	5.1	1.8	10.9	12.3	2.9	1.8	
DEPTH=	1.2	1.6	1.6	1.3	.8	3.9	.2	3.1	3.7	2.5	.1	

1490 NH CARD USED
*SECNO 8.196
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9937.5 10449.2 TYPE= 1 TARGET= 511.700

8.196	7.01	1526.31	.00	.00	1526.58	.27	3.97	.02	1526.30
3345.0	.0	1509.1	1835.9	.0	302.8	559.0	994.4	517.7	1525.20
2.75	.00	4.98	3.28	.000	.065	.055	.000	1519.30	9956.18
.005673	550.	550.	550.	3	0	0	.00	436.34	10430.06

FLOW DISTRIBUTION FOR SECNO= 8.20 CWSEL= 1526.31

STA=	9956.	10016.	10061.	10091.	10104.	10111.	10131.	10156.	10290.	10307.	10329.	10364.	10430.
PER Q=	45.1	7.3	3.9	3.3	4.7	12.8	4.3	4.7	3.2	4.0	4.9	1.9	
AREA=	302.8	80.6	46.4	31.2	29.8	81.6	47.1	71.0	33.0	41.9	56.9	39.6	
VEL=	5.0	3.0	2.8	3.6	5.3	5.2	3.1	2.2	3.2	3.2	2.9	1.6	
DEPTH=	5.1	1.8	1.6	2.4	4.3	4.1	1.9	.5	2.0	1.9	1.6	.6	

1490 NH CARD USED
*SECNO 8.301
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9905.0 10369.3 TYPE= 1 TARGET= 464.300

8.301	7.38	1529.38	.00	.00	1529.67	.30	3.09	.01	1527.30
3345.0	147.8	2042.6	1154.6	49.1	406.2	380.4	1004.4	522.2	1527.90
2.79	3.01	5.03	3.03	.055	.071	.055	.000	1522.00	9933.93
.006290	565.	555.	470.	3	0	0	.00	368.03	10301.96

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

FLOW DISTRIBUTION FOR SECNO= 8.30 CWSEL= 1529.38

STA=	9934.	9966.	10041.	10075.	10124.	10203.	10252.	10265.	10300.
PER Q=	4.4	61.1	4.1	3.4	5.1	12.9	5.2	3.9	
AREA=	49.1	406.2	49.9	50.7	78.3	113.5	38.8	49.2	
VEL=	3.0	5.0	2.8	2.2	2.2	3.8	4.5	2.7	
DEPTH=	1.6	5.4	1.5	1.0	1.0	2.3	3.0	1.4	

1490 NH CARD USED
*SECNO 8.407
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9645.9 10369.3 TYPE= 1 TARGET= 723.399
AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE
BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.

8.407	6.61	1532.81	.00	.00	1533.03	.22	3.35	.01	1531.00
3345.0	1253.6	1640.9	450.5	431.0	358.8	173.2	1015.7	527.6	1531.10
2.83	2.91	4.57	2.60	.055	.071	.055	.000	1526.20	9683.06
.005863	590.	560.	500.	2	0	0	.00	508.53	10191.59

FLOW DISTRIBUTION FOR SECNO= 8.41 CWSEL= 1532.81

STA=	9683.	9725.	9758.	9790.	9825.	9867.	9930.	9942.	9955.	9974.	10047.	10127.	10192.
PER Q=	3.2	3.2	3.2	3.4	3.3	7.3	4.8	5.5	3.7	49.1	10.6	2.9	
AREA=	46.4	43.2	42.6	45.9	47.8	89.8	37.0	41.2	37.2	358.8	126.4	46.9	
VEL=	2.3	2.5	2.5	2.5	2.3	2.7	4.3	4.4	3.3	4.6	2.8	2.0	
DEPTH=	1.1	1.3	1.3	1.3	1.2	1.4	3.0	3.2	2.0	4.9	1.6	.7	

1490 NH CARD USED
*SECNO 8.524
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.524	6.41	1536.21	.00	.00	1536.64	.43	3.55	.06	1534.70
3345.0	730.7	2540.1	74.3	349.9	427.7	29.3	1027.7	534.1	1534.00
2.86	2.09	5.94	2.53	.055	.056	.055	.000	1529.80	9605.71
.005964	550.	620.	625.	2	0	0	.00	478.15	10083.86

FLOW DISTRIBUTION FOR SECNO= 8.52 CWSEL= 1536.21

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

STA=	9606.	9679.	9772.	9848.	9915.	9958.	9972.	10057.	10084.
PER Q=	3.2	4.1	4.8	4.5	3.7	1.5	75.9	2.2	
AREA=	57.4	75.5	75.0	70.4	52.6	19.1	427.7	29.3	
VEL=	1.9	1.8	2.1	2.2	2.4	2.6	5.9	2.5	
DEPTH=	.8	.8	1.0	1.1	1.2	1.4	5.0	1.1	

1490 NH CARD USED
*SECNO 8.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.634	7.06	1539.76	.00	.00	1540.06	.30	3.41	.01	1538.00
3345.0	1017.8	2321.5	5.7	373.9	466.6	3.8	1038.3	539.6	1538.50
2.90	2.72	4.98	1.52	.055	.063	.055	.000	1532.70	9672.34
.006007	540.	580.	600.	2	0	0	.00	380.18	10052.52

FLOW DISTRIBUTION FOR SECNO= 8.63 CWSEL= 1539.76

STA=	9672.	9737.	9758.	9838.	9891.	9945.	9945.	10047.	10053.
PER Q=	7.7	5.4	6.7	4.5	6.0	.0	69.4	.2	
AREA=	89.5	49.3	95.0	63.7	75.9	.4	466.6	3.8	
VEL=	2.9	3.7	2.4	2.4	2.6	3.1	5.0	1.5	
DEPTH=	1.4	2.3	1.2	1.2	1.4	1.8	4.6	.6	

1490 NH CARD USED
*SECNO 8.736
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

8.736	7.05	1542.55	.00	.00	1542.74	.19	2.67	.01	1540.70
3345.0	673.7	1633.3	1038.0	253.7	389.7	407.3	1050.0	544.7	1540.70
2.94	2.66	4.19	2.55	.055	.070	.055	.000	1535.50	9822.52
.004163	530.	540.	540.	3	0	0	.00	465.13	10287.65

FLOW DISTRIBUTION FOR SECNO= 8.74 CWSEL= 1542.55

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

STA=	9823.	9900.	9933.	9963.	10034.	10078.	10098.	10115.	10128.	10142.	10194.	10216.	10276.
PER Q=	9.2	7.7	3.2	48.8	6.4	3.0	3.3	3.3	3.3	4.6	3.0	4.0	
AREA=	126.4	81.7	45.5	389.7	82.0	37.5	37.0	33.5	35.0	71.1	39.3	68.2	
VEL=	2.4	3.2	2.3	4.2	2.6	2.7	3.0	3.3	3.2	2.2	2.6	2.0	
DEPTH=	1.6	2.5	1.5	5.4	1.9	1.9	2.2	2.6	2.4	1.4	1.8	1.1	

STA=	10276.	10288.
PER Q=	.1	
AREA=	3.9	
VEL=	.9	
DEPTH=	.3	

1490 NH CARD USED
*SECNO 8.840

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

8.840	5.75	1544.45	1544.25	.00	1545.37	.91	2.41	.22	1542.60
3345.0	367.7	2638.9	338.4	166.2	308.5	136.2	1060.5	549.7	1542.80
2.96	2.21	8.55	2.48	.055	.031	.055	.000	1538.70	9781.06
.004612	550.	550.	550.	4	15	0	.00	324.98	10129.73

FLOW DISTRIBUTION FOR SECNO= 8.84 CWSEL= 1544.45

STA=	9781.	9898.	9944.	9967.	9981.	10027.	10039.	10088.	10130.
PER Q=	3.7	6.1	1.2	3.1	73.8	1.9	6.6	3.6	
AREA=	66.8	77.9	21.5	43.9	234.4	30.3	83.7	52.5	
VEL=	1.9	2.6	1.8	2.4	10.5	2.1	2.6	2.3	
DEPTH=	.6	1.7	1.0	3.2	5.0	2.7	1.7	1.2	

1490 NH CARD USED
*SECNO 8.948

3301 HV CHANGED MORE THAN HVINS

8.948	4.63	1547.33	.00	.00	1547.61	.28	2.18	.06	1547.10
3345.0	200.6	2902.6	241.8	122.8	649.2	111.8	1070.2	554.4	1545.30
3.00	1.63	4.47	2.16	.055	.044	.055	.000	1542.70	9783.23
.003222	540.	570.	590.	3	0	0	.00	405.15	10188.39

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

FLOW DISTRIBUTION FOR SECNO= 8.95 CWSEL= 1547.33

STA=	9783.	9888.	9924.	10103.	10125.	10160.	10188.
PER Q=	3.3	2.7	86.8	3.4	3.5	.3	
AREA=	77.1	45.7	649.2	45.6	55.2	11.0	
VEL=	1.4	2.0	4.5	2.5	2.1	.9	
DEPTH=	.7	1.3	3.6	2.1	1.6	.4	

1490 NH CARD USED
*SECNO 9.053
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

9.053	3.96	1550.36	1550.36	.00	1551.13	.77	2.59	.15	1549.30
3345.0	18.6	2029.5	1296.9	10.9	234.5	404.7	1080.1	559.3	1547.70
3.03	1.70	8.66	3.20	.055	.033	.055	.000	1546.40	9946.33
.007231	550.	555.	570.	5	10	0	.00	348.82	10295.15

FLOW DISTRIBUTION FOR SECNO= 9.05 CWSEL= 1550.36

STA=	9946.	9967.	9978.	10023.	10037.	10050.	10080.	10100.	10144.	10179.	10216.	10249.	10271.
PER Q=	.6	1.2	55.1	4.3	4.3	5.6	3.2	6.9	4.7	3.6	4.0	4.9	
AREA=	10.9	20.1	168.3	46.0	33.9	54.1	33.7	72.0	52.4	45.9	45.0	44.8	
VEL=	1.7	2.1	11.0	3.1	4.2	3.5	3.2	3.2	3.0	2.6	2.9	3.6	
DEPTH=	.5	1.8	3.8	3.3	2.5	1.8	1.6	1.7	1.5	1.2	1.4	2.0	

STA=	10271.	10295.
PER Q=	1.6	
AREA=	22.9	
VEL=	2.3	
DEPTH=	.9	

1490 NH CARD USED
*SECNO 9.158
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

9.158	5.42	1554.72	.00	.00	1555.04	.31	3.86	.05	1553.50
3345.0	1105.6	1309.0	930.4	259.6	229.2	412.6	1089.8	565.4	1553.30
3.06	4.26	5.71	2.25	.051	.058	.056	.000	1549.30	9832.49
.006907	555.	555.	530.	3	0	0	.00	644.58	10477.07

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

FLOW DISTRIBUTION FOR SECNO= 9.16 CWSEL= 1554.72

STA=	9832.	9855.	9868.	9870.	9878.	9888.	9915.	9967.	9976.	10027.	10109.	10160.	10265.
PER Q=	3.3	3.6	3.1	11.9	3.3	3.2	4.1	.5	39.1	4.4	3.0	7.2	
AREA=	35.5	40.9	9.4	33.6	36.0	37.8	55.9	10.6	229.2	75.2	46.8	106.8	
VEL=	3.1	3.0	11.2	11.8	3.0	2.9	2.4	1.6	5.7	2.0	2.2	2.3	
DEPTH=	1.6	3.2	4.1	4.4	3.4	1.4	1.1	1.2	4.5	.9	.9	1.0	

STA=	10265.	10295.	10350.	10477.
PER Q=	4.3	5.4	3.4	
AREA=	47.5	67.9	68.5	
VEL=	3.1	2.7	1.6	
DEPTH=	1.6	1.2	.5	

1490 NH CARD USED
*SECNO 9.262

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9871.0 10358.2 TYPE= 1 TARGET= 487.200
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C89. (D.A.=18.60 SQ. MI.)

9.262	4.78	1557.48	.00	.00	1557.98	.49	2.88	.05	1556.10
2943.0	42.0	2230.5	670.5	30.8	352.8	263.7	1099.5	572.4	1556.70
3.09	1.36	6.32	2.54	.055	.034	.042	.000	1552.70	9879.42
.003993	550.	550.	550.	3	0	0	.00	465.80	10354.24

FLOW DISTRIBUTION FOR SECNO= 9.26 CWSEL= 1557.48

STA=	9879.	9927.	9957.	10011.	10029.	10071.	10171.	10178.	10183.	10244.	10354.
PER Q=	1.4	8.9	66.0	.8	3.6	5.8	4.1	3.3	3.9	2.1	
AREA=	30.7	107.7	223.7	21.4	52.6	76.4	18.1	14.7	60.6	41.3	
VEL=	1.4	2.4	8.7	1.1	2.0	2.3	6.6	6.6	1.9	1.5	
DEPTH=	.6	3.6	4.2	1.2	1.3	.8	2.8	2.8	1.0	.4	

1490 NH CARD USED
*SECNO 9.375

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

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9586.1 10274.6 TYPE= 1 TARGET= 688.500

9.375	4.05	1560.05	1559.89	.00	1560.67	.61	2.66	.04	1559.30
2943.0	115.1	2108.0	719.8	92.5	298.7	183.2	1107.5	579.0	1559.60
3.12	1.25	7.06	3.93	.055	.032	.038	.000	1556.00	9648.56
.005377	650.	595.	510.	2	12	0	.00	543.54	10247.63

FLOW DISTRIBUTION FOR SECNO= 9.38 CWSEL= 1560.05

STA=	9649.	9913.	9956.	9971.	10020.	10057.	10087.	10098.	10141.	10248.
PER Q=	3.4	.5	1.7	64.9	5.0	7.5	11.4	3.2	2.4	
AREA=	78.9	13.6	27.2	196.0	75.5	42.3	37.7	49.7	53.4	
VEL=	1.3	1.1	1.8	9.7	1.9	5.2	8.9	1.9	1.3	
DEPTH=	.3	.3	1.9	4.0	2.1	1.4	3.5	1.2	.5	

1490 NH CARD USED
*SECNO 9.481
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

9.481	5.79	1563.79	.00	.00	1563.99	.20	3.28	.04	1562.60
2943.0	468.1	1721.0	753.9	152.0	427.4	296.0	1116.9	586.3	1562.70
3.16	3.08	4.03	2.55	.060	.064	.055	.000	1558.00	9498.81
.006339	535.	560.	580.	3	0	0	.00	590.88	10326.19

FLOW DISTRIBUTION FOR SECNO= 9.48 CWSEL= 1563.79

STA=	9499.	9878.	9887.	9901.	10031.	10077.	10097.	10136.	10165.	10297.	10326.
PER Q=	6.2	6.0	3.7	58.5	3.9	7.1	3.3	5.1	5.8	.4	
AREA=	80.5	34.6	36.9	427.4	50.1	50.4	40.7	48.9	95.2	10.8	
VEL=	2.3	5.1	3.0	4.0	2.3	4.2	2.4	3.0	1.8	1.2	
DEPTH=	.2	3.7	2.7	3.3	1.1	2.6	1.0	1.7	.7	.4	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
9.585	5.71	1567.71	.00	.00	1567.86	.16	3.87	.00	1567.90
2943.0	345.7	2122.9	474.4	151.4	631.7	169.0	1128.3	593.8	1566.70
3.21	2.28	3.36	2.81	.055	.071	.055	.000	1562.00	9494.50
.008026	510.	550.	550.	4	0	0	.00	627.03	10224.02

*SECNO 9.585
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

FLOW DISTRIBUTION FOR SECNO= 9.59 CWSEL= 1567.71

STA=	9495.	9602.	9694.	9766.	9798.	10072.	10135.	10147.	10200.	10224.
PER Q=	3.3	3.3	3.8	1.4	72.1	8.5	3.0	4.2	.4	
AREA=	45.6	34.9	53.6	17.3	631.7	84.8	23.2	51.9	9.0	
VEL=	2.2	2.8	2.1	2.3	3.4	3.0	3.8	2.4	1.5	
DEPTH=	.4	.4	.7	.5	2.5	1.3	2.0	1.0	.4	

1490 NH CARD USED
*SECNO 9.691
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

9.691	5.10	1571.80	.00	.00	1571.95	.15	4.08	.00	1571.10
2943.0	461.6	1000.8	1480.6	257.6	287.5	470.0	1140.7	602.6	1572.00
3.26	1.79	3.48	3.15	.055	.069	.055	.000	1566.70	9520.75
.006665	460.	560.	600.	4	0	0	.00	817.99	10436.49

FLOW DISTRIBUTION FOR SECNO= 9.69 CWSEL= 1571.80

STA=	9521.	9653.	9816.	9876.	9945.	10048.	10131.	10165.	10189.	10202.	10220.	10230.	10245.
PER Q=	3.2	4.7	4.2	3.6	34.0	4.8	4.6	4.2	3.1	3.3	3.6	4.2	
AREA=	55.1	90.7	56.7	55.1	287.5	63.5	48.7	39.7	25.2	30.7	25.7	32.8	
VEL=	1.7	1.5	2.2	1.9	3.5	2.2	2.8	3.1	3.6	3.1	4.1	3.7	
DEPTH=	.4	.6	.9	.8	2.8	.8	1.4	1.6	2.1	1.7	2.5	2.2	

STA=	10245.	10258.	10289.	10301.	10327.	10350.	10436.
PER Q=	3.8	5.1	3.2	6.5	3.7	.4	
AREA=	29.7	48.8	25.6	53.5	35.8	10.2	
VEL=	3.8	3.1	3.7	3.6	3.1	1.2	
DEPTH=	2.2	1.6	2.2	2.0	1.6	.1	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.765
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
WHEN INSPECTED BY A-N WEST IN NOV.,1992.
THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
GRADE WITH THE WASH.

9.765	4.43	1573.43	.00	.00	1573.51	.08	1.56	.01	1574.00
2943.0	98.7	808.3	2035.9	92.1	304.9	926.6	1150.4	609.6	1573.20
3.30	1.07	2.65	2.20	.055	.060	.055	.000	1569.00	9687.60
.003014	350.	390.	350.	4	0	0	.00	888.80	10639.03

FLOW DISTRIBUTION FOR SECNO= 9.77 CWSEL= 1573.43

STA=	9688.	9941.	9953.	10071.	10184.	10302.	10333.	10364.	10380.	10437.	10454.	10482.	10538.
PER Q=	3.0	.4	27.5	3.9	15.5	5.7	5.4	3.9	7.4	3.2	5.1	10.6	
AREA=	83.3	8.7	304.9	89.0	208.6	68.4	64.7	41.5	100.4	37.6	60.2	124.0	
VEL=	1.1	1.2	2.7	1.3	2.2	2.5	2.5	2.8	2.2	2.5	2.5	2.5	
DEPTH=	.3	.7	2.8	.8	1.8	2.1	2.1	2.5	1.8	2.2	2.2	2.2	

STA=	10538.	10576.	10616.	10639.
PER Q=	4.0	3.7	.7	
AREA=	58.8	58.0	15.5	
VEL=	2.0	1.9	1.3	
DEPTH=	1.6	1.4	.7	

1490 NH CARD USED

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

*SECNO 9.783

3265 DIVIDED FLOW

9.783	2.03	1573.73	.00	.00	1573.88	.15	.35	.02	1574.70
2943.0	38.0	524.9	2380.2	40.1	108.7	907.3	1153.0	611.4	1574.50
3.31	.95	4.83	2.62	.055	.028	.055	.000	1571.70	9699.56
.004682	93.	95.	93.	2	0	0	.00	773.42	10647.11

FLOW DISTRIBUTION FOR SECNO= 9.78 CWSEL= 1573.73

STA=	9700.	9819.	9945.	10002.	10011.	10167.	10204.	10239.	10299.	10316.	10366.	10385.	10413.
PER Q=	1.3	.1	17.5	.2	3.9	3.1	4.9	9.9	3.0	8.2	3.4	5.3	
AREA=	40.1	3.9	98.5	6.3	71.9	44.1	56.2	107.4	32.0	89.0	34.8	54.4	
VEL=	.9	1.0	5.2	1.0	1.6	2.1	2.6	2.7	2.8	2.7	2.8	2.9	
DEPTH=	.3	.9	1.7	.9	.5	1.2	1.6	1.8	1.8	1.8	1.9	1.9	

STA=	10413.	10469.	10492.	10568.	10595.	10622.	10647.
PER Q=	10.1	4.2	14.4	4.5	4.2	1.8	
AREA=	105.5	43.5	147.5	48.4	46.2	26.3	
VEL=	2.8	2.8	2.9	2.7	2.7	2.0	
DEPTH=	1.9	1.9	1.9	1.8	1.7	1.1	

1490 NH CARD USED
*SECNO 9.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 9724.5 10947.1 TYPE= 1 TARGET= 1222.600

9.888	3.52	1576.72	.00	.00	1576.86	.14	2.97	.00	1577.50
2943.0	36.5	426.1	2480.4	32.0	118.8	858.6	1166.6	621.2	1577.60
3.37	1.14	3.59	2.89	.055	.057	.055	.000	1573.20	9827.14
.005742	510.	555.	580.	4	0	0	.00	737.64	10722.96

FLOW DISTRIBUTION FOR SECNO= 9.89 CWSEL= 1576.72

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

STA=	9827.	9915.	10034.	10204.	10249.	10318.	10373.	10395.	10443.	10476.	10493.	10508.	10527.
PER Q=	1.2	14.5	4.2	3.6	7.2	8.0	3.2	10.0	8.3	6.9	3.6	4.3	
AREA=	32.0	118.8	63.5	48.7	87.1	85.7	34.4	92.4	71.1	49.4	31.6	38.8	
VEL=	1.1	3.6	1.9	2.2	2.4	2.8	2.7	3.2	3.4	4.1	3.3	3.3	
DEPTH=	.4	2.5	.4	1.1	1.3	1.6	1.5	1.9	2.2	2.9	2.1	2.0	

STA=	10527.	10538.	10558.	10586.	10611.	10685.	10723.
PER Q=	3.6	5.4	6.7	4.6	3.6	1.2	
AREA=	27.0	44.8	59.2	44.4	58.1	22.4	
VEL=	3.9	3.5	3.3	3.0	1.8	1.5	
DEPTH=	2.7	2.2	2.1	1.8	.8	.6	

1490 NH CARD USED
*SECNO 9.997

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9839.0 10585.4 TYPE= 1 TARGET= 746.400

9.997	5.20	1581.20	.00	.00	1581.47	.27	4.58	.04	1583.20
2943.0	11.0	542.8	2389.2	7.9	219.1	534.1	1178.3	629.5	1581.00
3.41	1.39	2.48	4.47	.055	.082	.055	.000	1576.00	9881.30
.011753	570.	575.	575.	6	0	0	.00	519.21	10474.24

FLOW DISTRIBUTION FOR SECNO= 10.00 CWSEL= 1581.20

STA=	9881.	9907.	10134.	10232.	10275.	10332.	10344.	10399.	10412.	10425.	10434.	10442.	10451.
PER Q=	.4	18.4	4.6	6.3	13.7	3.6	20.8	6.4	5.9	5.7	5.5	5.1	
AREA=	7.9	219.1	62.4	54.8	96.9	23.4	121.7	34.8	32.0	27.3	25.3	24.9	
VEL=	1.4	2.5	2.2	3.4	4.2	4.6	5.0	5.4	5.4	6.1	6.3	6.0	
DEPTH=	.3	1.4	.6	1.2	1.7	2.0	2.3	2.5	2.5	3.0	3.2	2.9	

STA=	10451.	10474.
PER Q=	3.6	
AREA=	30.6	
VEL=	3.5	
DEPTH=	1.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 10.103

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

3470 ENCROACHMENT STATIONS= 9636.1 10303.5 TYPE= 1 TARGET= 667.400

10.103	4.62	1583.92	.00	.00	1584.19	.27	2.71	.00	1582.80
2943.0	548.0	1486.8	908.2	269.9	276.6	376.2	1187.3	635.6	1582.70
3.44	2.03	5.38	2.41	.055	.032	.055	.000	1579.30	9685.41
.003481	560.	560.	390.	3	0	0	.00	616.89	10302.30

FLOW DISTRIBUTION FOR SECNO= 10.10 CWSEL= 1583.92

STA=	9685.	9842.	9877.	9919.	9939.	9986.	10022.	10037.	10155.	10194.	10229.	10239.	10270.
PER Q=	4.2	7.2	5.8	1.4	3.9	44.3	2.3	3.6	4.4	9.0	3.7	8.5	
AREA=	96.0	77.5	73.3	23.1	82.5	156.1	38.0	82.3	60.5	89.5	31.4	81.4	
VEL=	1.3	2.7	2.3	1.8	1.4	8.3	1.8	1.3	2.2	2.9	3.4	3.1	
DEPTH=	.6	2.2	1.7	1.2	1.7	4.3	2.6	.7	1.6	2.5	3.2	2.6	

STA=	10270.	10302.
PER Q=	1.6	
AREA=	31.2	
VEL=	1.6	
DEPTH=	1.0	

1490 NH CARD USED
*SECNO 10.207
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9332.3 10263.3 TYPE= 1 TARGET= 931.000
PER SEC.4.827 COMMENTS, 6R PTS. REMOVED OUTSIDE INEFF. AREA LIMITS.

10.207	4.71	1586.71	.00	.00	1586.86	.15	2.67	.01	1585.80
2943.0	1647.8	595.3	699.9	577.1	202.9	185.7	1199.2	643.7	1586.00
3.49	2.86	2.93	3.77	.055	.076	.047	.000	1582.00	9542.58
.007195	500.	550.	620.	3	0	0	.00	670.15	10212.73

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

FLOW DISTRIBUTION FOR SECNO= 10.21 CWSEL= 1586.71

STA=	9543.	9618.	9676.	9708.	9781.	9880.	9915.	9975.	9988.	10074.	10118.	10121.	10175.
PER Q=	4.1	10.6	6.1	12.7	14.6	3.3	3.7	.9	20.2	10.8	3.7	7.6	
AREA=	58.9	97.0	54.8	117.9	145.1	39.0	52.5	11.9	202.9	63.5	11.1	86.0	
VEL=	2.1	3.2	3.3	3.2	3.0	2.5	2.1	2.2	2.9	5.0	9.8	2.6	
DEPTH=	.8	1.7	1.7	1.6	1.5	1.1	.9	.9	2.4	1.5	3.3	1.6	

STA=	10175.	10213.
PER Q=	1.7	
AREA=	25.1	
VEL=	1.9	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 10.311
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

10.311	4.53	1589.53	.00	.00	1589.63	.10	2.76	.01	1588.80
2943.0	1170.1	773.1	999.8	658.9	226.4	414.0	1213.5	653.8	1588.60
3.55	1.78	3.42	2.42	.055	.061	.055	.000	1585.00	9337.31
.003702	550.	550.	550.	3	0	0	.00	937.05	10274.36

FLOW DISTRIBUTION FOR SECNO= 10.31 CWSEL= 1589.53

STA=	9337.	9427.	9529.	9672.	9731.	9804.	9896.	9957.	10020.	10055.	10106.	10139.	10158.
PER Q=	3.8	5.1	12.7	6.0	5.3	4.3	2.6	26.3	3.3	8.5	6.9	3.8	
AREA=	71.6	94.7	189.0	84.2	85.8	82.3	51.3	226.4	47.4	98.2	72.7	41.0	
VEL=	1.6	1.6	2.0	2.1	1.8	1.5	1.5	3.4	2.0	2.6	2.8	2.7	
DEPTH=	.8	.9	1.3	1.4	1.2	.9	.8	3.6	1.4	1.9	2.2	2.1	

STA=	10158.	10181.	10235.	10274.
PER Q=	4.2	5.9	1.4	
AREA=	46.4	80.8	27.5	
VEL=	2.6	2.2	1.5	
DEPTH=	2.0	1.5	.7	

1490 NH CARD USED
*SECNO 10.415

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

10.415	4.92	1592.92	.00	.00	1593.18	.26	3.50	.05	1591.90
2943.0	638.6	1193.1	1111.3	249.1	234.9	319.6	1227.6	665.4	1592.00
3.59	2.56	5.08	3.48	.055	.073	.055	.000	1588.00	9465.19
.011858	640.	550.	540.	2	0	0	.00	744.50	10293.88

FLOW DISTRIBUTION FOR SECNO= 10.41 CWSEL= 1592.92

STA=	9465.	9809.	9861.	9903.	9922.	9960.	10026.	10071.	10119.	10153.	10197.	10212.	10268.
PER Q=	4.8	3.2	5.8	3.1	4.7	40.5	4.8	10.7	4.7	3.3	3.3	9.4	
AREA=	92.2	36.9	50.9	26.1	43.0	234.9	46.4	77.5	41.3	35.4	24.1	76.5	
VEL=	1.5	2.6	3.4	3.5	3.2	5.1	3.0	4.1	3.4	2.7	4.1	3.6	
DEPTH=	.3	.7	1.2	1.3	1.1	3.5	1.0	1.6	1.2	.8	1.6	1.4	

STA=	10268.	10294.
PER Q=	1.6	
AREA=	18.5	
VEL=	2.6	
DEPTH=	.7	

1490 NH CARD USED
*SECNO 10.521
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.80

10.521	4.43	1596.33	.00	.00	1596.47	.14	3.28	.01	1594.90
2943.0	384.5	1875.7	682.8	262.5	539.0	304.5	1239.4	674.9	1594.70
3.64	1.47	3.48	2.24	.055	.059	.055	.000	1591.90	9377.09
.003662	520.	560.	525.	4	0	0	.00	810.66	10308.75

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

FLOW DISTRIBUTION FOR SECNO= 10.52 CWSEL= 1596.33

STA=	9377.	9682.	9824.	9885.	9899.	10054.	10076.	10103.	10119.	10146.	10193.	10245.	10309.
PER Q=	3.2	3.2	5.1	1.5	63.7	3.2	5.2	3.2	3.8	4.3	3.3	.2	
AREA=	84.1	80.6	77.1	20.6	539.0	39.6	56.5	34.8	47.2	63.0	56.6	6.7	
VEL=	1.1	1.2	1.9	2.2	3.5	2.4	2.7	2.7	2.3	2.0	1.7	.7	
DEPTH=	.3	.6	1.3	1.5	3.5	1.8	2.1	2.2	1.7	1.4	1.1	.1	

1490 NH CARD USED
*SECNO 10.606
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

10.606	5.57	1598.87	.00	.00	1599.04	.17	2.56	.01	1597.80
2943.0	639.0	2048.5	255.5	252.7	605.1	61.3	1249.6	681.8	1596.70
3.68	2.53	3.39	4.17	.055	.078	.055	.000	1593.30	9458.84
.010537	380.	450.	475.	3	0	0	.00	637.43	10096.27

FLOW DISTRIBUTION FOR SECNO= 10.61 CWSEL= 1598.87

STA=	9459.	9593.	9634.	9665.	9704.	9769.	9797.	10059.	10078.	10096.
PER Q=	3.6	5.8	3.2	3.4	3.6	2.1	69.6	6.5	2.2	
AREA=	58.7	52.4	32.4	37.2	46.9	24.9	605.1	40.8	20.5	
VEL=	1.8	3.3	2.9	2.7	2.2	2.5	3.4	4.7	3.2	
DEPTH=	.4	1.3	1.1	1.0	.7	.9	2.3	2.2	1.1	

1490 NH CARD USED
*SECNO 10.681

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.85

PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.

10.681	4.80	1600.80	.00	.00	1601.05	.26	1.99	.03	1599.30
2943.0	501.4	1812.2	629.4	329.6	365.5	305.9	1257.8	687.3	1599.50
3.71	1.52	4.96	2.06	.055	.038	.055	.000	1596.00	9561.81
.003091	325.	395.	400.	3	0	0	.00	713.12	10274.93

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

FLOW DISTRIBUTION FOR SECNO= 10.68 CWSEL= 1600.80

STA=	9562.	9773.	9851.	9889.	9924.	9958.	9958.	9976.	10000.	10018.	10065.	10112.	10169.
PER Q=	3.3	3.5	3.6	3.4	3.2	.0	3.1	28.1	22.6	7.8	5.2	8.8	
AREA=	102.2	71.5	54.9	51.7	48.7	.5	50.4	105.3	82.0	127.8	74.8	110.4	
VEL=	1.0	1.4	1.9	1.9	1.9	2.0	1.8	7.9	8.1	1.8	2.0	2.4	
DEPTH=	.5	.9	1.4	1.5	1.4	1.5	2.8	4.3	4.6	2.7	1.6	2.0	

STA=	10169.	10208.	10250.	10275.
PER Q=	3.1	3.9	.3	
AREA=	51.2	59.9	9.6	
VEL=	1.8	1.9	.9	
DEPTH=	1.3	1.4	.4	

1490 NH CARD USED
*SECNO 10.787
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .41

10.787	4.99	1603.99	1603.96	.00	1604.58	.59	3.43	.10	1603.60
2943.0	517.5	1728.9	696.5	137.1	231.5	200.5	1267.6	694.7	1603.60
3.74	3.77	7.47	3.47	.055	.064	.055	.000	1599.00	9829.06
.018386	510.	560.	560.	5	8	0	.00	478.79	10340.57

FLOW DISTRIBUTION FOR SECNO= 10.79 CWSEL= 1603.99

STA=	9829.	9861.	9878.	9906.	9977.	10040.	10116.	10123.	10190.	10244.	10325.	10341.
PER Q=	3.4	4.2	5.1	4.8	58.7	3.3	5.3	5.2	3.3	5.9	.7	
AREA=	27.4	25.9	34.6	49.1	231.5	28.4	20.8	49.8	35.2	57.7	8.6	
VEL=	3.7	4.8	4.4	2.9	7.5	3.4	7.5	3.1	2.8	3.0	2.4	
DEPTH=	.9	1.5	1.3	.7	3.7	.4	3.0	.7	.6	.7	.5	

1490 NH CARD USED
*SECNO 10.890

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.25

THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS
UPSTREAM AT SEC. 12.560.
THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.
NO FLOODWAY ENCROACHMENT UPSTREAM OF SEC. 10.89 BECAUSE OF WEST BREAKOUT
WASH AND EAST SPLIT FLOW WASH WHICH DIVIDE FLOWS, UPSTREAM TO
STUDY LIMITS.
ANOTHER HEC2 ANALYSIS (FILE:DGWH8) WAS CONDUCTED WEREIN
THE WEST BREAKOUT FLOWS WERE CONFINED TO THE MAIN CHANNEL AND EAST SPLIT
(SEC. 10.89 TO 11.512) WITH THE FLOODPLAIN LIMITS HELD BY ENCROACHMENTS
TO DETERMINE IF THE TOTAL FLOW COULD BE CONVEYED WITHOUT RISING MORE
THAN ONE FOOT. TEN SECTIONS HAD WSEL RISES OF MORE THAN ONE FOOT.
A FLOODWAY WAS THEREFORE NOT CONSIDERED APPLICABLE UPSTREAM OF SEC.10.89
THE SEC. 10.89 FLOODWAY ENCROACHMENTS WERE SET AT THE FLOODPLAIN LIMITS
TO FACILITATE THE TRANSITION FROM FLOODWAY TO NO FLOODWAY ABOVE THIS SEC

10.890	5.61	1608.61	.00	.00	1608.75	.14	4.12	.05	1607.10
3120.0	398.5	980.9	1740.6	216.8	221.9	816.3	1279.4	703.7	1607.60
3.79	1.84	4.42	2.13	.055	.058	.055	.000	1603.00	9780.02
.004077	550.	550.	570.	7	0	0	.00	909.37	10716.29

FLOW DISTRIBUTION FOR SECNO= 10.89 CWSEL= 1608.61

STA=	9780.	9891.	9952.	9983.	10031.	10092.	10121.	10171.	10261.	10331.	10353.	10422.	10468.
PER Q=	6.6	3.3	2.9	31.4	3.2	3.2	6.5	4.2	3.9	3.2	6.2	4.0	
AREA=	114.1	60.4	42.3	221.9	58.8	43.3	84.2	79.8	70.5	38.8	92.2	60.2	
VEL=	1.8	1.7	2.1	4.4	1.7	2.3	2.4	1.6	1.7	2.6	2.1	2.1	
DEPTH=	1.0	1.0	1.4	4.7	1.0	1.5	1.7	.9	1.0	1.7	1.3	1.3	

STA=	10468.	10500.	10529.	10566.	10578.	10624.	10716.
PER Q=	3.9	4.2	3.4	3.8	4.1	2.0	
AREA=	51.1	51.9	50.2	34.8	59.8	40.5	
VEL=	2.4	2.5	2.1	3.4	2.1	1.5	
DEPTH=	1.6	1.8	1.4	2.8	1.3	.4	

```
T1      DAGGS WASH FIS          FCDMC CONTRACT NO. 92-08
T2                              A-N WEST INC. PHX. AZ.
T3      DAGGS WASH 100-YEAR FLOODWAY                    AMMENDED:6\16\93

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

     -10        3                                                          1254.07

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     15                  -1
```

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

*PROF 2

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO .173

3470 ENCROACHMENT STATIONS= 9798.4 10152.2 TYPE= 1 TARGET= 353.801
THIS FIXED ENCROACHMENT (METHOD 1) FLOODWAY WAS GENERATED FROM THE
EQUAL CONVEYANCE METHOD (METHOD 4) FLOODWAY (FILE:DGWH7).
CROSS-SECTIONS ARE CODED FROM LEFT TO RIGHT WITH STATION 10000 AT
HYDRAULIC BASELINE.
SECTION I.D. NUMBERS ARE IN RIVER MILES INCREASING UPSTREAM FROM
CONFLUENCE WITH HASSAYAMPA RIVER.
STARTING WATER SURFACE ELEV. BASED ON SLOPE AREA METHOD,
AS HASSAYAMPA RIVER UNLIKELY TO PEAK AT SAME TIME AS DAGGS WASH SINCE
DRAINAGE AREAS VASTLY DIFFERENT.(D.A.=524 SQ. MI. AT MARICOPA-YAVAPAI
CO.LINE FOR HASSAYAMPA R. VERSUS D.A.=28.1 SQ.MI. FOR DAGGS WASH AT
CONFLUENCE WITH HASSAYAMPA R.).
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 CONC.PT. I.D. NO.=C99. (D.A.=28.08 SQ. MI.).

.173	4.77	1254.07	.00	1253.07	1254.83	.76	.00	.00	1253.50
3041.0	837.8	1812.7	390.4	243.1	210.5	120.1	.0	.0	1253.10
.00	3.45	8.61	3.25	.055	.031	.055	.000	1249.30	9798.43
.010064	0.	0.	0.	0	0	0	.00	353.80	10152.23

1490 NH CARD USED
*SECNO .261

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

3470 ENCROACHMENT STATIONS= 9653.1 10176.6 TYPE= 1 TARGET= 523.490

.261	5.97	1258.17	.00	1257.14	1258.35	.18	3.46	.06	1255.00
3041.0	1591.3	644.4	805.3	565.6	125.3	306.9	9.6	5.4	1255.90
.04	2.81	5.14	2.62	.054	.043	.064	.000	1252.20	9653.08
.004790	600.	465.	450.	4	0	0	.00	523.49	10176.57

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	DLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .309

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9888.5 10065.0 TYPE= 1 TARGET= 176.510

.309	6.10	1260.10	1260.10	1259.26	1261.25	1.15	1.76	.29	1258.10
3041.0	1813.1	1081.9	146.0	189.0	149.5	38.9	13.3	7.3	1258.60
.05	9.59	7.24	3.75	.033	.043	.055	.000	1254.00	9888.45
.013303	220.	255.	250.	20	8	0	.00	176.51	10064.96

1490 NH CARD USED
*SECNO .428

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.79

3470 ENCROACHMENT STATIONS= 9591.1 10116.8 TYPE= 1 TARGET= 525.670

.428	4.07	1265.77	.00	1264.79	1265.90	.13	4.54	.10	1264.50
3041.0	2269.6	273.3	498.2	784.0	106.2	178.2	24.3	12.6	1264.40
.12	2.90	2.57	2.80	.055	.054	.055	.000	1261.70	9591.12
.004136	700.	630.	530.	6	0	0	.00	525.67	10116.79

1490 NH CARD USED
*SECNO .514
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .53

3470 ENCROACHMENT STATIONS= 9670.1 10030.9 TYPE= 1 TARGET= 360.761

.514	2.59	1268.59	.00	1268.17	1268.98	.39	3.00	.08	1268.10
3041.0	2883.6	157.4	.0	563.2	53.7	.0	32.5	16.9	100000.00
.14	5.12	2.93	.00	.055	.068	.000	.000	1266.00	9670.14
.014915	420.	450.	430.	3	0	0	.00	360.76	10030.90

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 .625
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.69

3470 ENCROACHMENT STATIONS= 9721.2 10028.8 TYPE= 1 TARGET= 307.630

.625	3.10	1273.60	.00	1272.57	1273.81	.21	4.81	.02	1271.70
3041.0	2737.7	303.3	.0	721.0	122.7	.0	42.3	21.4	100000.00
.18	3.80	2.47	.00	.055	.082	.000	.000	1270.50	9721.17
.005206	585.	585.	585.	4	0	0	.00	307.63	10028.80

1490 NH CARD USED
*SECNO .745
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

3470 ENCROACHMENT STATIONS= 9750.5 10028.8 TYPE= 1 TARGET= 278.350

.745	3.11	1277.11	.00	1276.52	1277.47	.36	3.62	.04	1275.90
3041.0	2549.5	491.5	.0	508.3	148.2	.0	51.0	24.8	100000.00
.21	5.02	3.32	.00	.055	.078	.000	.000	1274.00	9750.45
.010701	480.	635.	635.	2	0	0	.00	278.35	10028.80

1490 NH CARD USED
*SECNO .825

3470 ENCROACHMENT STATIONS= 9810.0 10032.0 TYPE= 1 TARGET= 222.000

.825	3.22	1281.02	.00	1280.01	1281.39	.37	3.92	.01	1277.80
3041.0	1240.9	1797.0	3.1	265.3	355.7	1.6	56.9	27.2	1279.60
.24	4.68	5.05	1.91	.055	.059	.055	.000	1277.80	9810.00
.008859	390.	425.	420.	4	0	0	.00	222.00	10032.00

1490 NH CARD USED
*SECNO .923

3470 ENCROACHMENT STATIONS= 9842.6 10135.2 TYPE= 1 TARGET= 292.551

.923	4.12	1284.72	.00	1284.01	1284.98	.26	3.58	.01	1283.20
3041.0	1192.5	1035.8	812.7	339.5	216.6	205.5	64.2	29.8	1282.10
.27	3.51	4.78	3.96	.063	.055	.055	.000	1280.60	9842.60
.006819	375.	515.	540.	4	0	0	.00	292.55	10135.15

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CURAR	TOPWID	ENDST

1490 NH CARD USED
*SECNO 1.021

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9898.0 10020.0 TYPE= 1 TARGET= 122.000

1.021	4.42	1288.12	.00	1287.18	1288.91	.80	3.77	.16	1284.10
3041.0	1348.1	1684.1	8.8	227.7	209.6	5.1	70.7	32.0	1285.40
.29	5.92	8.04	1.74	.053	.046	.090	.000	1283.70	9898.00
.009507	400.	515.	550.	2	0	0	.00	122.00	10020.00

1490 NH CARD USED
*SECNO 1.078
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.53

3470 ENCROACHMENT STATIONS= 9818.5 10076.2 TYPE= 1 TARGET= 257.771

1.078	5.05	1290.35	.00	1289.74	1290.70	.35	1.74	.04	1287.90
3041.0	677.5	1712.1	651.4	269.3	298.4	194.6	74.7	33.3	1286.30
.30	2.52	5.74	3.35	.056	.046	.071	.000	1285.30	9818.47
.004069	260.	300.	350.	2	0	0	.00	257.77	10076.24

1490 NH CARD USED
*SECNO 1.208
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9980.0 10305.5 TYPE= 1 TARGET= 325.550

1.208	4.22	1293.52	1293.52	1292.65	1294.36	.84	3.34	.15	1290.00
3041.0	.0	1774.8	1266.2	.0	192.5	384.4	83.3	36.8	1291.70
.33	.00	9.22	3.29	.000	.031	.055	.000	1289.30	9980.00
.008236	685.	685.	400.	3	9	0	.00	325.55	10305.55

1490 NH CARD USED
*SECNO 1.296

3470 ENCROACHMENT STATIONS= 9953.0 10146.0 TYPE= 1 TARGET= 193.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1.296	4.27	1297.17	.00	1296.13	1298.08	.91	3.69	.02	1293.90
3041.0	23.7	2163.9	853.4	7.3	246.7	228.7	88.0	39.0	1295.20
.34	3.26	8.77	3.73	.055	.040	.061	.000	1292.90	9953.00
.009675	465.	465.	320.	2	0	0	.00	193.00	10146.00

1490 NH CARD USED
*SECNO 1.406

3470 ENCROACHMENT STATIONS= 9965.0 10147.0 TYPE= 1 TARGET= 182.000
AN EVALUATION OF FLOW DISTRIBUTION AT SECTION 1.753 INDICATED
THAT LESS THAN APPROX.5 PERCENT OF THE TOTAL FLOW OCCURED IN THE
LEFT SIDE (STA. 9600+/-) OF SEC. 1.753. THIS UPSTREAM FLOW
DISTRIBUTION CONTROLED FLOW IN THE LEFT OVERBANKS OF THE FOLLOWING
SECTIONS;SEC.1.592 (LEFT OF STA.9360+\-),SEC.1.466 (LEFT OF STA.9650+\-)
AND SEC.1.406 (LEFT OF STA. 9800+\-).
THE ALIGNMENT OF SEC. 1.406 WAS REVISED AND RECODED TO ACHIEVE THIS
APPRX. PERCENT FLOW DISTRIBUTION IN THE LT. OVERBANK.

1.406	4.67	1301.37	.00	1300.47	1301.86	.49	3.73	.04	1299.50
3041.0	.0	1874.3	1166.7	.0	348.5	196.5	94.3	41.2	1299.10
.37	.00	5.38	5.94	.000	.043	.034	.000	1296.70	9965.00
.005129	580.	580.	470.	3	0	0	.00	182.00	10147.00

1490 NH CARD USED
*SECNO 1.466
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9947.1 10100.7 TYPE= 1 TARGET= 153.601
THE LEFT SIDE ELEVS. AT STA 10300+\- OF THIS SECTION WERE LOWERED
APPRX.0.1 TO 0.3 FT. TO ACHIEVE THE FLOW DISTRIBUTION CONTROLED BY
SEC. 1.753.

1.466	4.34	1303.24	.00	1302.31	1303.66	.41	1.79	.01	1302.20
3041.0	.0	3041.0	.0	.0	590.0	.0	98.3	42.4	100000.00
.39	.00	5.15	.00	.000	.056	.000	.000	1298.90	9947.10
.006467	320.	315.	300.	2	0	0	.00	153.60	10100.70

1490 NH CARD USED
*SECNO 1.592

3470 ENCROACHMENT STATIONS= 9898.7 10089.7 TYPE= 1 TARGET= 191.000

1.592	4.09	1306.79	.00	1306.32	1307.21	.42	3.55	.00	1305.40
3041.0	.0	3039.9	1.1	.0	583.2	1.4	107.3	45.0	1305.70
.42	.00	5.21	.78	.000	.040	.090	.000	1302.70	9898.70
.004493	500.	665.	700.	2	0	0	.00	191.00	10089.70

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 1.753
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .39

3470 ENCROACHMENT STATIONS= 9823.7 10044.3 TYPE= 1 TARGET= 220.630
THE LEFT SIDE FLOW DISTRIBUTION AT THIS SECTION WAS CONSIDERED TO
CONTROL LEFT OVERBANK FLOW DISTRIBUTIONS DOWNSTREAM TO SEC. 1.406.

1.753	4.50	1313.90	1313.75	1313.32	1314.68	.78	7.36	.11	1313.80
3041.0	1489.3	1551.7	.0	234.1	201.2	.0	116.6	48.6	100000.00
.46	6.36	7.71	.00	.055	.070	.000	.000	1309.40	9823.67
.029919	600.	850.	950.	12	8	0	.00	220.63	10044.30

1490 NH CARD USED
*SECNO 1.857
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.65

3470 ENCROACHMENT STATIONS= 9973.0 10175.0 TYPE= 1 TARGET= 202.000

1.857	5.64	1318.44	.00	1317.40	1319.28	.84	4.58	.02	1313.40
3041.0	37.2	1960.8	1043.0	19.5	221.2	349.5	122.6	51.0	1315.50
.48	1.91	8.87	2.98	.090	.032	.056	.000	1312.80	9973.00
.004258	390.	550.	550.	5	0	0	.00	202.00	10175.00

1490 NH CARD USED
*SECNO 1.949

3470 ENCROACHMENT STATIONS= 9960.0 10075.0 TYPE= 1 TARGET= 115.000

1.949	4.25	1320.55	.00	1320.13	1321.64	1.09	2.28	.08	1319.50
3041.0	3.4	3019.2	18.4	3.3	359.7	6.6	127.7	52.6	1318.20
.49	1.01	8.39	2.80	.090	.029	.055	.000	1316.30	9960.00
.005499	485.	485.	420.	4	0	0	.00	115.00	10075.00

1490 NH CARD USED
*SECNO 2.088

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9800.0 10037.0 TYPE= 1 TARGET= 237.000

2.088	4.84	1326.24	.00	1325.20	1326.75	.51	5.05	.06	1325.30
3041.0	554.6	2449.4	37.0	183.3	395.7	12.9	136.1	55.8	1324.50
.53	3.02	6.19	2.87	.059	.055	.055	.000	1321.40	9800.00
.008534	880.	735.	580.	4	0	0	.00	237.00	10037.00

1490 NH CARD USED
*SECNO 2.215
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9748.5 10033.9 TYPE= 1 TARGET= 285.400

2.215	6.62	1331.72	.00	1330.90	1332.19	.47	5.44	.00	1330.30
3041.0	1060.0	1981.0	.0	339.8	307.3	.0	146.1	60.1	100000.00
.57	3.12	6.45	.00	.056	.054	.000	.000	1325.10	9748.50
.007280	750.	670.	650.	4	0	0	.00	285.40	10033.90

1490 NH CARD USED
*SECNO 2.340
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9765.0 10051.6 TYPE= 1 TARGET= 286.600

2.340	7.41	1338.01	.00	1337.01	1339.08	1.07	6.71	.18	1341.30
3041.0	374.1	2666.9	.0	104.2	304.3	.0	154.5	63.8	100000.00
.59	3.59	8.76	.00	.055	.058	.000	.000	1330.60	9765.00
.014067	750.	660.	660.	3	0	0	.00	159.64	10046.83

1490 NH CARD USED
*SECNO 2.438

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

3280 CROSS SECTION 2.44 EXTENDED .12 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.56

3470 ENCROACHMENT STATIONS= 9950.0 10085.0 TYPE= 1 TARGET= 135.000
OVERHEAD ELECTRIC TRANSMISSION LINE AND SERVICE ROAD CROSSING
SERVICE ROAD IS AT-GRADE, UNPAVED AND HAS NO CULVERTS.NO SPECIAL
HYDRAULIC MODELING MADE FOR ROAD.
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=C90D. (D.A.=26.14 SQ. MI.).

2.438	4.72	1340.92	.00	1340.03	1341.56	.64	2.44	.04	1339.80
3277.0	6.0	3270.9	.0	5.0	509.9	.2	159.8	65.4	1339.00
.61	1.20	6.42	.17	.055	.029	.090	.000	1336.20	9950.00
.002489	350.	520.	500.	4	0	0	.00	135.00	10085.00

1490 NH CARD USED
*SECNO 2.549
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9965.5 10240.7 TYPE= 1 TARGET= 275.200

2.549	2.97	1344.87	1344.87	1343.93	1345.71	.85	3.30	.06	1344.00
3277.0	.0	755.8	2521.1	.0	90.0	357.7	167.2	68.7	1344.40
.64	.00	8.40	7.05	.000	.030	.037	.000	1341.90	9965.50
.014145	505.	585.	800.	4	14	0	.00	275.20	10240.70

1490 NH CARD USED
*SECNO 2.593

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.94

3470 ENCROACHMENT STATIONS= 9978.3 10253.0 TYPE= 1 TARGET= 274.700

2.593	3.98	1347.88	.00	1346.87	1348.23	.35	2.46	.05	1345.40
3277.0	.0	996.3	2280.7	.0	176.9	531.6	172.3	71.2	1346.40
.66	.00	5.63	4.29	.000	.034	.039	.000	1343.90	9978.30
.003754	200.	230.	430.	3	0	0	.00	274.70	10253.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 2.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .36

3470 ENCROACHMENT STATIONS= 9952.4 10186.2 TYPE= 1 TARGET= 233.800

2.634	3.50	1349.20	.00	1348.85	1350.08	.88	1.70	.16	100000.00
3277.0	.0	1705.8	1571.2	.0	263.0	185.0	175.0	72.4	1347.80
.67	.00	6.49	8.49	.000	.054	.057	.000	1345.70	9952.41
.029313	220.	220.	200.	3	0	0	.00	233.79	10186.20

1490 NH CARD USED
*SECNO 2.730
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.11

3470 ENCROACHMENT STATIONS= 9989.4 10437.1 TYPE= 1 TARGET= 447.699

2.730	5.07	1352.87	.00	1351.88	1353.00	.13	2.85	.07	100000.00
3277.0	.0	849.9	2427.1	.0	250.8	901.4	182.4	75.5	1351.10
.71	.00	3.39	2.69	.000	.061	.055	.000	1347.80	9989.40
.003026	505.	505.	350.	5	0	0	.00	447.70	10437.10

1490 NH CARD USED
*SECNO 2.826
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
3280 CROSS SECTION 2.83 EXTENDED .18 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

3470 ENCROACHMENT STATIONS= 9991.0 10305.4 TYPE= 1 TARGET= 314.400

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2.826	5.78	1355.08	1354.51	1354.20	1355.49	.41	2.27	.85	100000.00
3277.0	.0	1036.7	2240.3	.0	209.4	430.1	190.4	78.8	1354.70
.73	.00	4.95	5.21	.000	.073	.055	.000	1349.30	9991.00
.014800	510.	505.	350.	20	9	0	.00	314.40	10305.40

1490 NH CARD USED
*SECNO 2.919

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.06

3470 ENCROACHMENT STATIONS= 9941.9 10210.6 TYPE= 1 TARGET= 268.699

2.919	5.08	1357.88	.00	1357.09	1358.46	.58	2.91	.05	1355.80
3277.0	.0	2415.3	861.7	.0	347.1	347.2	197.3	81.8	1356.20
.75	.00	6.96	2.48	.000	.033	.055	.000	1352.80	9941.90
.003479	400.	490.	430.	5	0	0	.00	268.70	10210.60

1490 NH CARD USED
*SECNO 3.014
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9800.5 10027.4 TYPE= 1 TARGET= 226.900

3.014	3.80	1359.60	.00	1359.14	1359.91	.31	1.43	.03	1358.90
3277.0	.0	3277.0	.0	.0	734.7	.0	205.3	84.5	100000.00
.78	.00	4.46	.00	.000	.036	.000	.000	1355.80	9800.50
.002450	470.	500.	450.	4	0	0	.00	226.90	10027.40

1490 NH CARD USED
*SECNO 3.109
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9851.5 9977.3 TYPE= 1 TARGET= 125.800

3.109	4.58	1361.38	1361.38	1361.56	1362.79	1.41	2.43	.33	1360.30
3277.0	.0	3277.0	.0	.0	343.7	.0	211.5	86.5	100000.00
.79	.00	9.54	.00	.000	.035	.000	.000	1356.80	9851.50
.013944	550.	500.	470.	2	11	0	.00	125.80	9977.30

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.190
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9933.1 10006.6 TYPE= 1 TARGET= 73.500

3.190	9.16	1365.06	.00	1364.50	1366.04	.98	3.20	.04	1364.80
3277.0	.0	3277.0	.0	.0	412.8	.0	215.3	87.5	100000.00
.81	.00	7.94	.00	.000	.038	.000	.000	1355.90	9933.10
.004628	440.	430.	390.	3	0	0	.00	73.50	10006.60

*SECNO 3.247

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9971.3 10028.7 TYPE= 1 TARGET= 57.400
THIS SECTION 20 FT. DOWNSTREAM OF END OF VERTICAL CONCRETE SPILLWAY.
EFFECTIVE AREA ENCROACHMENT ADDED (ET RECORD OPTION) TO RESTRICT
FLOW TO EFFECTIVE AREA, BASED ON 4:1 FLARE ANGLE FROM END OF CONCRETE.
FLOODWAY ENCROACHMENT TERMINATED FROM THIS SECTION UPSTREAM TO
SECTION 3.696.THE CAP OVERCHUTE SPILLWAY AND THE STORAGE PONDING
UPSTREAM OF THE OVERCHUTE TO SEC. 3.696. PROVIDE ATTENUATION OF PEAK
DISCHARGES AND THEREFORE NO FLOODWAY ENCROACHMENT WAS UTILIZED
WHICH WOULD ALLOW REDUCTION OF STORAGE VOLUME.

3.247	6.12	1366.12	.00	1365.11	1367.76	1.64	1.53	.20	1360.90
3277.0	331.5	2743.9	201.7	39.8	256.0	30.7	217.9	88.0	1360.50
.82	8.33	10.72	6.57	.032	.032	.032	.000	1360.00	9971.30
.005125	315.	315.	280.	3	0	0	.00	57.40	10028.70

CCHV= .300 CEHV= .500
*SECNO 3.251

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
BEGIN CONCRETE BAFFLED BLOCK SPILLWAY ENERGY DISSIPATOR

THIS SECTION IS AT DOWNSTREAM END OF CONCRETE SPILLWAY OVER CAP CANAL.

3.251	5.28	1366.28	1366.28	1366.28	1368.94	2.66	.14	.51	1367.00
3277.0	.0	3277.0	.0	.0	250.4	.0	218.1	88.0	1367.00
.82	.00	13.09	.00	.000	.030	.000	.000	1361.00	9976.30
.009922	20.	20.	20.	20	11	0	.00	47.40	10023.70

*SECNO 3.253

3301 HV CHANGED MORE THAN HVINS

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

THIS IS FIRST OF FIVE CROSS-SECTIONS MODELING ROWS OF BAFFLED BLOCKS
WITHIN 47.33 FOOT WIDE SPILLWAY.
BAFFLE BLOCKS ARE 5.67 FOOT WIDE X 3.8 FOOT HIGH (NORMAL TO FLOOR)
BAFFLE BLOCKS HAVE 5.67 FT. WIDE SPACE BETWEEN BLOCKS, AND
ALTERNATING ROWS HAVE 3.8 FT. SPACE BETWEEN BLOCK AND OUTSIDE WALL.
EACH SECTION MODELS SAME ORIENTATION OF BLOCKS EVEN THOUGH BLOCKS
SHIFT TRANSVERSE TO CENTERLINE FROM ROW TO ROW OF BLOCKS.

3.253	9.98	1368.38	.00	1368.39	1369.49	1.11	.09	.46	1369.40
3277.0	.0	3277.0	.0	.0	387.5	.0	218.2	88.0	1369.40
.82	.00	8.46	.00	.000	.030	.000	.000	1358.40	9976.31
.004609	14.	14.	14.	5	0	0	.00	47.39	10023.70

*SECNO 3.254

3301 HV CHANGED MORE THAN HVINS

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

3.254	7.07	1368.47	1368.47	1368.46	1371.15	2.68	.06	.79	1372.40
3277.0	.0	3277.0	.0	.0	249.2	.0	218.2	88.1	1372.40
.82	.00	13.15	.00	.000	.030	.000	.000	1361.40	9976.34
.018483	7.	7.	7.	20	19	0	.00	47.36	10023.70

*SECNO 3.256
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.256	7.08	1371.48	1371.48	1371.48	1374.15	2.67	.13	.00	1375.40
3277.0	.0	3277.0	.0	.0	249.8	.0	218.3	88.1	1375.40
.82	.00	13.12	.00	.000	.030	.000	.000	1364.40	9976.34
.018342	7.	7.	7.	20	5	0	.00	47.36	10023.70

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

*SECNO 3.257
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.257	7.08	1374.58	1374.58	1374.58	1377.25	2.67	.13	.00	1378.50
3277.0	.0	3277.0	.0	.0	249.7	.0	218.3	88.1	1378.50
.82	.00	13.12	.00	.000	.030	.000	.000	1367.50	9976.34
.018359	7.	7.	7.	20	5	0	.00	47.36	10023.70

*SECNO 3.259
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
THIS IS LAST OF FIVE CROSS-SECTIONS MODELLING BAFFLE BLOCKS IN SPILLWAY.

3.259	7.08	1377.58	1377.58	1377.58	1380.25	2.67	.13	.00	1381.50
3277.0	.0	3277.0	.0	.0	249.7	.0	218.3	88.1	1381.50
.82	.00	13.12	.00	.000	.030	.000	.000	1370.50	9976.34
.018359	7.	7.	7.	20	5	0	.00	47.36	10023.70

*SECNO 3.259

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.96

THIS IS RECTANGULAR SECTION AT APPROACH TO SLOPED SPILLWAY.

3.259	8.82	1379.82	.00	1379.82	1380.78	.95	.01	.52	1380.30
3277.0	.0	3277.0	.0	.0	418.0	.0	218.4	88.1	1380.30
.82	.00	7.84	.00	.000	.030	.000	.000	1371.00	9976.30
.002097	2.	2.	2.	4	0	0	.00	47.40	10023.70

*SECNO 3.259

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.14

THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN
DOWNSTREAM SECTION (I.E. VERTICAL GRADE CHANGE).

3.259	10.88	1380.25	.00	1380.25	1380.87	.63	.00	.10	1380.30
3277.0	.0	3277.0	.0	.0	515.7	.0	218.4	88.1	1380.30
.82	.00	6.36	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	0.	0.	0.	2	0	0	.00	47.40	10023.70

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

*SECNO 3.262

THIS SECTION IS RECTANGULAR SECTION AT SAME ELEV. AS DOWNSTREAM SEC.

3.262	10.88	1380.25	.00	1380.25	1380.88	.63	.00	.00	1380.30
3277.0	.0	3277.0	.0	.0	516.1	.0	218.5	88.1	1380.30
.82	.00	6.35	.00	.000	.013	.000	.000	1369.37	9976.30
.000212	15.	15.	15.	1	0	0	.00	47.40	10023.70

*SECNO 3.264

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .45

END BAFFLED BLOCK ENERGY DISSIPATOR. BEGIN OVERCHUTE FLUME.
WIDTH=47.33 FT. WALL HT.=7.0 FT. (VERTICAL). LONGITUDINAL SLOPE=0.0'/FT.

3.264	6.35	1379.65	.00	1379.65	1381.49	1.84	.01	.61	1380.30
3277.0	.0	3277.0	.0	.0	300.9	.0	218.6	88.1	1380.30
.82	.00	10.89	.00	.000	.013	.000	.000	1373.30	9976.30
.001059	13.	13.	13.	3	0	0	.00	47.40	10023.70

*SECNO 3.267

3.267	6.37	1379.67	.00	1379.67	1381.50	1.83	.01	.00	1380.30
3277.0	.0	3277.0	.0	.0	301.5	.0	218.7	88.1	1380.30
.82	.00	10.87	.00	.000	.013	.000	.000	1373.30	9976.30
.001053	12.	12.	12.	1	0	0	.00	47.40	10023.70

*SECNO 3.269

3.269	6.44	1379.74	.00	1379.74	1381.53	1.79	.01	.01	1380.30
3277.0	.0	3277.0	.0	.0	305.3	.0	218.8	88.1	1380.30
.82	.00	10.73	.00	.000	.013	.000	.000	1373.30	9976.30
.001013	12.	12.	12.	2	0	0	.00	47.40	10023.70

*SECNO 3.273

3.273	6.53	1379.83	.00	1379.82	1381.57	1.74	.02	.01	1380.30
3277.0	.0	3277.0	.0	.0	309.3	.0	219.0	88.2	1380.30
.82	.00	10.59	.00	.000	.013	.000	.000	1373.30	9976.30
.000974	24.	24.	24.	2	0	0	.00	47.40	10023.70

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

*SECNO 3.282
END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.

3.282	6.66	1379.96	.00	1379.96	1381.63	1.67	.05	.02	1380.30
3277.0	.0	3277.0	.0	.0	315.8	.0	219.3	88.2	1380.30
.82	.00	10.38	.00	.000	.013	.000	.000	1373.30	9976.30
.000914	48.	48.	48.	2	0	0	.00	47.40	10023.70

*SECNO 3.284
3280 CROSS SECTION 3.28 EXTENDED .10 FEET

3301 HV CHANGED MORE THAN HVINS

3.284	7.50	1380.80	.00	1380.80	1381.83	1.03	.00	.19	1380.70
3277.0	.0	3277.0	.0	.0	402.7	.0	219.4	88.2	1380.70
.82	.00	8.14	.00	.000	.013	.000	.000	1373.30	9973.20
.000480	6.	6.	6.	3	0	0	.00	53.70	10026.90

*SECNO 3.285
3280 CROSS SECTION 3.29 EXTENDED .07 FEET

3.285	7.87	1381.17	.00	1381.17	1381.92	.75	.00	.08	1381.10
3277.0	.0	3277.0	.0	.0	471.5	.0	219.4	88.2	1381.10
.82	.00	6.95	.00	.000	.013	.000	.000	1373.30	9970.10
.000322	6.	6.	6.	2	0	0	.00	59.90	10030.00

*SECNO 3.287
END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP SIDESLOPES.
END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
HT.=8.5 (I.E.,TOP OF WALL EL.=1381.8).

3.287	8.24	1381.54	.00	1381.54	1382.00	.47	.00	.08	1381.80
3277.0	.0	3277.0	.0	.0	596.4	.0	219.6	88.2	1381.80
.82	.00	5.49	.00	.000	.013	.000	.000	1373.30	9963.80
.000183	13.	13.	13.	2	0	0	.00	72.40	10036.20

*SECNO 3.291

3.291	8.58	1381.88	.00	1381.88	1382.09	.21	.01	.08	1373.30
3277.0	139.6	2997.9	139.6	73.6	792.9	73.6	220.0	88.3	1373.30
.83	1.90	3.78	1.90	.035	.030	.035	.000	1373.30	9936.64
.000332	22.	22.	22.	2	0	0	.00	126.72	10063.36

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
*SECNO 3.299									
3.299	8.62	1381.92	.00	1381.92	1382.11	.19	.01	.01	1373.30
3277.0	213.6	2865.2	198.1	112.6	787.9	104.9	220.8	88.4	1373.30
.83	1.90	3.64	1.89	.035	.030	.035	.000	1373.30	9929.17
.000305	38.	38.	38.	2	0	0	.00	141.88	10071.05
*SECNO 3.302									
3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.49									
3.302	8.75	1382.05	.00	1382.05	1382.14	.09	.00	.03	1373.30
3277.0	189.1	2904.3	183.7	145.0	1175.6	141.0	221.4	88.5	1373.30
.83	1.30	2.47	1.30	.035	.030	.035	.000	1373.30	9900.28
.000138	20.	20.	20.	2	0	0	.00	199.64	10099.92
*SECNO 3.306									
3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.55									
END OF ROCK RIPRAP SIDESLOPED CHANNEL TRANSITION.									
3.306	8.82	1382.12	.00	1382.12	1382.16	.04	.00	.02	1373.30
3277.0	245.0	2787.0	245.0	284.8	1738.7	284.8	222.2	88.6	1373.30
.84	.86	1.60	.86	.035	.030	.035	.000	1373.30	9836.93
.000057	20.	20.	20.	2	0	0	.00	326.24	10163.17
CCHV= .100 CEHV= .300									
*SECNO 3.328									
3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.28									
3470 ENCROACHMENT STATIONS= 9397.0 10496.7 TYPE= 1 TARGET= 1099.750									
100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.									
HEC-1 CONC. PT. I.D.=C90I. (D.A.=26.14 SQ. MI.)									
3.328	11.05	1382.15	.00	1382.15	1382.16	.01	.00	.00	1373.80
4957.0	860.6	3804.3	292.1	2040.9	3700.3	611.0	231.2	90.1	1372.60
.86	.42	1.03	.48	.055	.032	.055	.000	1371.10	9396.97
.000025	90.	90.	90.	1	0	0	.00	1099.75	10496.72

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 3.418

3470 ENCROACHMENT STATIONS= 9308.0 10703.5 TYPE= 1 TARGET= 1395.529
SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
MINIMAL GRADING;

3.418	8.87	1382.17	.00	1382.17	1382.18	.01	.01	.00	1373.30
4957.0	1707.3	1341.2	1908.5	2815.3	2223.9	3706.8	312.2	103.4	1375.00
1.09	.61	.60	.51	.059	.063	.060	.000	1373.30	9307.99
.000041	460.	475.	465.	0	0	0	.00	1395.52	10703.52

1490 NH CARD USED
*SECNO 3.507

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .34

3470 ENCROACHMENT STATIONS= 9257.0 10286.4 TYPE= 1 TARGET= 1029.330

3.507	5.81	1382.21	.00	1382.21	1382.23	.02	.04	.01	1377.60
4957.0	958.2	2795.7	1203.1	883.8	2262.9	1006.8	385.2	117.2	1378.50
1.21	1.08	1.24	1.19	.055	.064	.063	.000	1376.40	9257.05
.000350	550.	470.	470.	1	0	0	.00	1029.33	10286.38

1490 NH CARD USED
*SECNO 3.601

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .18

3470 ENCROACHMENT STATIONS= 9299.2 10039.7 TYPE= 1 TARGET= 740.520

3.601	2.73	1382.53	.00	1382.53	1382.76	.23	.47	.06	1380.60
4957.0	2167.3	2718.9	70.8	548.4	718.4	22.5	414.6	126.6	1380.50
1.24	3.95	3.78	3.15	.055	.061	.064	.000	1379.80	9299.15
.010476	430.	495.	460.	2	0	0	.00	740.52	10039.67

1490 NH CARD USED
*SECNO 3.696

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9850.8 10218.4 TYPE= 1 TARGET= 367.601
FLOODWAY ENCROACHMENT CONTINUED UPSTREAM OF THIS SECTION.

3.696	3.71	1386.11	.00	1385.59	1386.46	.35	3.66	.04	1383.60
4957.0	.0	4957.0	.0	.0	1045.5	.0	427.8	132.9	100000.00
1.27	.00	4.74	.00	.000	.046	.000	.000	1382.40	9850.80
.005555	465.	500.	480.	4	0	0	.00	367.60	10218.40

1490 NH CARD USED
*SECNO 3.791
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9858.2 10320.3 TYPE= 1 TARGET= 462.100

3.791	3.63	1389.73	.00	1388.91	1390.01	.28	3.54	.01	1388.40
4957.0	.0	4957.0	.0	.0	1167.2	.0	440.5	137.6	100000.00
1.30	.00	4.25	.00	.000	.062	.000	.000	1386.10	9858.20
.009356	440.	500.	410.	2	0	0	.00	462.10	10320.30

1490 NH CARD USED
*SECNO 3.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9639.3 10014.8 TYPE= 1 TARGET= 375.500

3.888	4.77	1393.87	.00	1393.22	1394.19	.32	4.17	.01	1391.00
4957.0	.0	4957.0	.0	.0	1087.5	.0	453.7	142.5	100000.00
1.33	.00	4.56	.00	.000	.056	.000	.000	1389.10	9639.30
.007203	430.	510.	570.	3	0	0	.00	375.50	10014.80

1490 NH CARD USED
*SECNO 3.984
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9674.4 10041.8 TYPE= 1 TARGET= 367.399

3.984	4.96	1397.26	.00	1396.29	1397.56	.30	3.37	.00	1394.40
4957.0	.0	4957.0	.0	.0	1126.8	.0	466.5	146.8	100000.00
1.36	.00	4.40	.00	.000	.055	.000	.000	1392.30	9674.40
.006190	380.	505.	520.	3	0	0	.00	367.40	10041.80

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 4.080

3470 ENCROACHMENT STATIONS= 9785.0 10040.0 TYPE= 1 TARGET= 255.000

4.080	5.97	1399.87	.00	1398.84	1400.36	.49	2.74	.06	1396.70
4957.0	430.6	4517.5	8.9	113.8	786.0	4.6	478.1	150.4	1397.20
1.39	3.78	5.75	1.94	.055	.043	.055	.000	1393.90	9785.00
.004925	350.	505.	505.	2	0	0	.00	255.00	10040.00

1490 NH CARD USED
*SECNO 4.178

3470 ENCROACHMENT STATIONS= 9804.0 10164.9 TYPE= 1 TARGET= 360.900

4.178	5.81	1402.61	.00	1401.62	1402.94	.33	2.57	.02	1400.40
4957.0	.0	4005.9	951.1	.0	819.2	278.5	490.1	154.1	1400.60
1.42	.00	4.89	3.41	.000	.048	.055	.000	1396.80	9804.00
.004994	375.	515.	615.	1	0	0	.00	360.90	10164.90

1490 NH CARD USED
*SECNO 4.273

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9918.2 10131.1 TYPE= 1 TARGET= 212.899

4.273	5.66	1405.66	.00	1405.47	1406.52	.86	3.42	.16	1404.50
4957.0	.0	4042.7	914.3	.0	508.5	196.0	501.0	157.6	1402.80
1.44	.00	7.95	4.66	.000	.043	.055	.000	1400.00	9918.20
.009081	350.	500.	600.	2	0	0	.00	212.90	10131.10

1490 NH CARD USED
*SECNO 4.368
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9960.5 10265.5 TYPE= 1 TARGET= 305.000

4.368	7.08	1410.38	.00	1409.45	1410.78	.40	4.22	.05	1407.40
4957.0	.0	2107.2	2849.8	.0	373.8	615.3	510.7	160.6	1407.10
1.47	.00	5.64	4.63	.000	.071	.055	.000	1403.30	9960.50
.007855	420.	500.	500.	4	0	0	.00	305.00	10265.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 4.464

3470 ENCROACHMENT STATIONS= 9965.2 10245.8 TYPE= 1 TARGET= 280.600

4.464	6.68	1412.78	.00	1412.05	1413.39	.61	2.54	.06	1409.40
4957.0	.0	3106.6	1850.4	.0	417.4	533.9	520.1	163.3	1410.30
1.49	.00	7.44	3.47	.000	.040	.055	.000	1406.10	9965.20
.004446	550.	505.	365.	3	0	0	.00	280.60	10245.80

1490 NH CARD USED
*SECNO 4.541

3470 ENCROACHMENT STATIONS= 9859.8 10089.5 TYPE= 1 TARGET= 229.700
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

4.541	6.30	1414.60	.00	1413.74	1415.20	.61	1.82	.00	1412.20
4555.0	1237.3	2871.8	445.9	320.1	394.7	112.3	527.5	165.3	1411.10
1.51	3.87	7.28	3.97	.055	.043	.055	.000	1408.30	9859.80
.005229	390.	406.	300.	2	0	0	.00	229.70	10089.50

1490 NH CARD USED
*SECNO 4.635

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9910.0 10066.0 TYPE= 1 TARGET= 156.000

4.635	6.22	1417.42	.00	1416.91	1418.79	1.37	3.36	.23	1415.60
4555.0	569.8	3981.2	4.0	132.8	401.1	3.0	535.1	167.4	1414.40
1.52	4.29	9.93	1.33	.055	.039	.090	.000	1411.20	9910.00
.009524	450.	495.	515.	2	0	0	.00	156.00	10066.00

1490 NH CARD USED
*SECNO 4.731
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.64

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

3470 ENCROACHMENT STATIONS= 9849.9 10133.8 TYPE= 1 TARGET= 283.899

4.731	6.97	1421.37	.00	1420.42	1421.65	.28	2.75	.11	1419.40
4555.0	516.4	2293.5	1745.1	197.5	482.2	436.3	544.5	169.9	1417.80
1.55	2.61	4.76	4.00	.055	.060	.055	.000	1414.40	9849.90
.003557	400.	505.	550.	2	0	0	.00	283.90	10133.80

1490 NH CARD USED
*SECNO 4.827
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9965.5 10148.0 TYPE= 1 TARGET= 182.500
ENCROACHMENT (ET RECORD) USED TO BLOCK OUT INEFFECTIVE FLOW AREA
FOR FLOODPLAIN ANALYSIS (FILE:DGWW6).FOR EQUAL CONVEYANCE FLOODWAY
(ET RECORD-METHOD 4) THE GR PTS WERE DELETED OUTSIDE INEFF. BYD.
TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA.

4.827	5.63	1424.13	.00	1423.96	1424.70	.58	2.97	.09	100000.00
4555.0	.0	2458.1	2096.9	.0	440.8	314.9	555.7	172.6	1420.30
1.58	.00	5.58	6.66	.000	.071	.055	.000	1418.50	9965.50
.010321	450.	505.	560.	2	0	0	.00	182.50	10148.00

1490 NH CARD USED
*SECNO 4.918
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
3280 CROSS SECTION 4.92 EXTENDED .27 FEET

3470 ENCROACHMENT STATIONS= 9990.0 10181.8 TYPE= 1 TARGET= 191.800
PER SECTION 4.827 COMMENTS, GR PTS OUTSIDE INEFF. AREA ENCROACHMENT
WERE DELETED TO PREVENT METHOD 4 ENCROACHMENT FROM CONSIDERING THIS AREA

4.918	6.87	1427.47	.00	1426.81	1427.92	.45	3.21	.01	1424.00
4555.0	35.6	2601.8	1917.6	9.5	445.6	400.4	563.7	174.4	1424.40
1.60	3.75	5.84	4.79	.055	.058	.055	.000	1420.60	9990.00
.005604	500.	480.	370.	2	0	0	.00	191.80	10181.80

1490 NH CARD USED

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

#SECNO 5.011
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9892.0 10100.1 TYPE= 1 TARGET= 208.100

5.011	7.06	1430.36	.00	1429.42	1430.81	.45	2.89	.00	1427.10
4555.0	1608.5	1986.6	959.9	319.2	342.2	195.3	572.7	176.5	1427.00
1.62	5.04	5.80	4.92	.055	.068	.055	.000	1423.30	9892.00
.006921	525.	490.	390.	3	0	0	.00	208.10	10100.10

1490 NH CARD USED
#SECNO 5.106

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

3470 ENCROACHMENT STATIONS= 9805.0 10032.0 TYPE= 1 TARGET= 227.000

5.106	6.93	1432.73	.00	1431.88	1433.13	.40	2.32	.00	1428.80
4555.0	2203.5	2348.0	3.4	572.3	391.0	2.8	583.2	179.0	1429.60
1.65	3.85	6.00	1.22	.055	.046	.055	.000	1425.80	9805.00
.003316	510.	500.	460.	3	0	0	.00	227.00	10032.00

1490 NH CARD USED
#SECNO 5.201

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9894.0 10040.0 TYPE= 1 TARGET= 146.000
PER SECTION 4.827 COMMENTS, GR PTS DELETED OUTSIDE INEFF. AREA LIMITS.

5.201	6.62	1435.02	1435.02	1434.47	1436.74	1.72	2.70	.39	1432.50
4555.0	881.9	3636.7	36.4	189.7	315.4	9.9	591.8	181.2	1431.30
1.67	4.65	11.53	3.68	.055	.039	.055	.000	1428.40	9894.00
.010170	510.	500.	490.	4	11	0	.00	146.00	10040.00

1490 NH CARD USED
#SECNO 5.307

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 = 1.61

3470 ENCROACHMENT STATIONS= 9885.1 10043.9 TYPE= 1 TARGET= 158.801
PER SECTION 4.827 COMMENTS, 6R PTS DELETED OUTSIDE INEFF. AREA LIMITS.

5.307	7.73	1439.33	.00	1438.37	1440.11	.78	3.28	.09	1435.90
4555.0	1379.5	3166.4	9.2	346.0	391.2	5.2	599.6	183.1	1436.10
1.69	3.99	8.09	1.77	.055	.037	.055	.000	1431.60	9885.10
.003921	520.	560.	580.	3	0	0	.00	158.80	10043.90

1490 NH CARD USED
*SECNO 5.414

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .69

3470 ENCROACHMENT STATIONS= 9954.0 10042.0 TYPE= 1 TARGET= 88.000

5.414	6.16	1441.76	.00	1441.35	1443.44	1.68	3.06	.27	1439.70
4555.0	11.6	4528.3	15.1	4.6	433.7	5.5	607.2	184.6	1438.90
1.70	2.55	10.44	2.73	.055	.038	.055	.000	1435.60	9954.00
.008177	525.	565.	565.	2	0	0	.00	88.00	10042.00

1490 NH CARD USED
*SECNO 5.518

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9967.0 10173.0 TYPE= 1 TARGET= 206.000

5.518	7.44	1446.04	.00	1445.10	1446.80	.76	3.26	.09	1440.70
4555.0	164.9	3318.8	1071.4	42.3	420.0	317.7	614.9	186.5	1443.90
1.73	3.90	7.90	3.37	.055	.041	.055	.000	1438.60	9967.00
.004506	525.	550.	550.	2	0	0	.00	206.00	10173.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 5.626

3470 ENCROACHMENT STATIONS= 9902.0 10026.0 TYPE= 1 TARGET= 124.000

5.626	7.34	1448.44	.00	1447.59	1449.45	1.01	2.58	.08	1445.00
4555.0	721.6	3826.9	6.5	176.7	443.3	4.0	623.9	188.6	1444.80
1.75	4.08	8.63	1.65	.055	.038	.055	.000	1441.10	9902.00
.004619	520.	570.	565.	3	0	0	.00	124.00	10026.00

1490 NH CARD USED
#SECNO 5.732
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9954.6 10114.7 TYPE= 1 TARGET= 160.101
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

5.732	6.88	1451.58	.00	1450.76	1452.08	.50	2.58	.05	1448.80
4150.0	.0	2290.3	1859.7	.0	348.9	423.1	632.8	190.4	1447.70
1.77	.00	6.56	4.40	.000	.049	.058	.000	1444.70	9954.60
.004629	540.	560.	560.	2	0	0	.00	160.10	10114.70

1490 NH CARD USED
#SECNO 5.824
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9771.2 10060.2 TYPE= 1 TARGET= 289.000

5.824	7.03	1454.23	.00	1453.66	1454.64	.41	2.54	.01	1449.30
4150.0	1829.6	1805.4	514.9	445.0	295.3	110.7	641.8	193.0	1450.90
1.80	4.11	6.11	4.65	.055	.063	.055	.000	1447.20	9771.20
.006115	520.	485.	440.	2	0	0	.00	289.00	10060.20

1490 NH CARD USED
#SECNO 5.934
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9822.0 10031.4 TYPE= 1 TARGET= 209.400

5.934	7.73	1457.73	.00	1456.68	1458.08	.36	3.44	.01	1453.90
4150.0	2450.1	1699.9	.0	540.3	329.4	.0	653.6	196.4	100000.00
1.83	4.53	5.16	.00	.055	.069	.000	.000	1450.00	9822.00
.005480	600.	580.	660.	2	0	0	.00	209.40	10031.40

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 6.033
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9914.9 10051.0 TYPE= 1 TARGET= 136.100

6.033	7.94	1461.04	.00	1460.14	1461.69	.65	3.52	.09	1457.80
4150.0	1440.5	2709.5	.0	230.4	412.7	.0	662.0	198.3	100000.00
1.85	6.25	6.57	.00	.055	.070	.000	.000	1453.10	9914.90
.009825	450.	525.	550.	2	0	0	.00	136.07	10050.97

1490 NH CARD USED
*SECNO 6.144
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9890.2 10010.2 TYPE= 1 TARGET= 120.000

6.144	8.63	1465.83	.00	1464.88	1466.37	.53	4.67	.01	1461.60
4150.0	956.6	3193.4	.0	163.4	544.5	.0	670.8	199.9	100000.00
1.88	5.85	5.86	.00	.055	.070	.000	.000	1457.20	9890.20
.007062	500.	590.	590.	2	0	0	.00	120.00	10010.20

1490 NH CARD USED
*SECNO 6.244
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9945.0 10212.1 TYPE= 1 TARGET= 267.100

6.244	7.62	1468.82	.00	1467.79	1469.08	.26	2.69	.03	1466.00
4150.0	.0	2456.0	1694.0	.0	543.4	490.3	681.2	202.2	1466.00
1.92	.00	4.52	3.46	.000	.065	.055	.000	1461.20	9945.00
.004021	340.	530.	560.	3	0	0	.00	267.10	10212.10

1490 NH CARD USED
*SECNO 6.364
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9836.1 10030.5 TYPE= 1 TARGET= 194.400

6.364	5.29	1470.89	.00	1470.34	1471.33	.44	2.20	.05	1468.40
4150.0	.0	4150.0	.0	.0	780.2	.0	693.4	205.3	100000.00
1.95	.00	5.32	.00	.000	.040	.000	.000	1465.60	9836.10
.003358	650.	635.	460.	3	0	0	.00	194.40	10030.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 6.480

3470 ENCROACHMENT STATIONS= 9846.0 10074.0 TYPE= 1 TARGET= 228.000

6.480	4.02	1472.92	.00	1472.81	1473.53	.61	2.15	.05	1472.40
4150.0	.5	4146.4	3.1	.6	663.5	2.4	703.5	208.2	1471.90
1.98	.84	6.25	1.31	.055	.030	.055	.000	1468.90	9846.00
.003704	675.	610.	520.	2	0	0	.00	228.00	10074.00

1490 NH CARD USED
*SECNO 6.585
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9919.4 10151.9 TYPE= 1 TARGET= 232.500

6.585	3.60	1476.10	.00	1475.74	1476.85	.75	3.28	.04	1475.50
4150.0	.0	4150.0	.0	.0	596.1	.0	711.6	211.2	100000.00
2.00	.00	6.96	.00	.000	.041	.000	.000	1472.50	9919.40
.010870	565.	555.	475.	3	0	0	.00	232.50	10151.90

1490 NH CARD USED
*SECNO 6.697
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9905.4 10139.2 TYPE= 1 TARGET= 233.800

6.697	4.98	1480.58	.00	1479.84	1480.98	.41	4.10	.03	1478.30
4150.0	775.9	3374.1	.0	203.7	628.9	.0	721.3	214.3	100000.00
2.03	3.81	5.37	.00	.055	.046	.000	.000	1475.60	9905.40
.004813	590.	590.	590.	3	0	0	.00	233.80	10139.20

1490 NH CARD USED
*SECNO 6.801

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9976.8 10186.7 TYPE= 1 TARGET= 209.900

6.801	6.08	1483.28	.00	1482.36	1483.88	.60	2.84	.06	1480.60
4150.0	.0	3071.5	1078.5	.0	445.1	305.1	731.3	217.2	1480.60
2.05	.00	6.90	3.53	.000	.048	.055	.000	1477.20	9976.80
.005480	550.	550.	580.	3	0	0	.00	209.90	10186.70

1490 NH CARD USED
*SECNO 6.908

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9945.0 10044.0 TYPE= 1 TARGET= 99.000
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

6.908	5.08	1486.38	.00	1485.91	1487.79	1.40	3.66	.24	1484.10
3750.0	30.3	3705.2	14.5	8.2	387.7	5.5	738.5	219.0	1484.70
2.07	3.69	9.56	2.63	.055	.037	.055	.000	1481.30	9945.00
.008346	620.	565.	475.	2	0	0	.00	99.00	10044.00

1490 NH CARD USED
*SECNO 7.012

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS= 9933.0 10035.0 TYPE= 1 TARGET= 102.000

7.012	5.93	1489.73	.00	1488.80	1490.60	.87	2.76	.05	1487.20
3750.0	5.2	3736.6	8.2	3.6	498.3	5.3	744.2	220.3	1485.60
2.09	1.46	7.50	1.56	.055	.034	.055	.000	1483.80	9933.00
.003350	550.	550.	490.	2	0	0	.00	102.00	10035.00

1490 NH CARD USED
*SECNO 7.130

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .42

3470 ENCROACHMENT STATIONS= 9998.0 10077.0 TYPE= 1 TARGET= 79.000

7.130	6.80	1493.50	.00	1493.52	1494.89	1.39	4.13	.16	1492.90
3750.0	2.5	3720.2	27.3	1.2	392.1	6.4	750.7	221.6	1490.00
2.11	2.18	9.49	4.27	.055	.064	.055	.000	1486.70	9998.00
.018683	630.	625.	605.	2	0	0	.00	79.00	10077.00

1490 NH CARD USED
*SECNO 7.232
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.12

3470 ENCROACHMENT STATIONS= 9894.4 10178.2 TYPE= 1 TARGET= 283.800

7.232	9.07	1498.87	.00	1497.89	1499.16	.29	4.16	.11	1496.00
3750.0	382.3	1991.0	1376.6	138.6	398.8	399.0	759.0	223.8	1495.80
2.15	2.76	4.99	3.45	.055	.070	.055	.000	1489.80	9894.40
.004173	540.	540.	540.	3	0	0	.00	283.80	10178.20

1490 NH CARD USED
*SECNO 7.337
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9986.1 10086.1 TYPE= 1 TARGET= 100.000

7.337	8.30	1501.00	.00	1500.08	1501.52	.52	2.30	.07	1498.00
3750.0	.0	3750.0	.0	.0	645.5	.0	769.1	226.3	100000.00
2.17	.00	5.81	.00	.000	.054	.000	.000	1492.70	9986.10
.004104	555.	555.	555.	4	0	0	.00	100.00	10086.10

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 7.448

3470 ENCROACHMENT STATIONS= 9970.0 10086.0 TYPE= 1 TARGET= 116.000

7.448	6.24	1502.94	.00	1502.37	1503.70	.76	2.11	.07	1502.00
3750.0	2.6	3743.3	4.1	2.2	534.2	2.9	777.0	227.7	1501.30
2.20	1.17	7.01	1.39	.055	.034	.055	.000	1496.70	9970.00
.003184	585.	585.	600.	2	0	0	.00	116.00	10086.00

1490 NH CARD USED
*SECNO 7.562
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .49

3470 ENCROACHMENT STATIONS= 9980.0 10142.7 TYPE= 1 TARGET= 162.700
AREA IN TRIBUTARY WASH TO RT. OF STA.10082 CONSIDERED INEFFECTIVE
BELOW ELEV.1404.0 AND WAS BLOCKED OUT BY RAISING "GR" PTS.

7.562	7.16	1506.46	.00	1506.53	1507.16	.70	3.45	.01	1504.70
3750.0	.0	2663.3	1086.7	.0	369.2	206.2	784.8	229.7	1504.70
2.22	.00	7.21	5.27	.000	.069	.055	.000	1499.30	9980.00
.013109	540.	600.	630.	3	0	0	.00	162.70	10142.70

1490 NH CARD USED
*SECNO 7.666
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3470 ENCROACHMENT STATIONS= 9946.2 10094.0 TYPE= 1 TARGET= 147.800

7.666	8.20	1510.60	.00	1509.62	1511.01	.40	3.82	.03	1506.70
3750.0	710.4	2548.9	490.7	144.7	472.9	136.7	793.3	231.7	1508.00
2.25	4.91	5.39	3.59	.055	.063	.055	.000	1502.40	9946.20
.004211	550.	550.	580.	2	0	0	.00	147.80	10094.00

1490 NH CARD USED
*SECNO 7.770

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3470 ENCROACHMENT STATIONS= 9961.8 10078.7 TYPE= 1 TARGET= 116.900

7.770	7.86	1512.76	.00	1511.84	1513.14	.38	2.13	.00	1511.10
3750.0	.0	3750.0	.0	.0	761.7	.0	802.8	233.3	100000.00
2.28	.00	4.92	.00	.000	.061	.000	.000	1504.90	9961.80
.003602	550.	550.	510.	3	0	0	.00	116.90	10078.70

1490 NH CARD USED
*SECNO 7.883
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .56

3470 ENCROACHMENT STATIONS= 9980.2 10118.6 TYPE= 1 TARGET= 138.399

7.883	7.29	1515.99	.00	1515.39	1516.79	.80	3.52	.13	1511.10
3750.0	.0	3314.6	435.4	.0	443.1	108.8	811.7	235.0	1514.30
2.31	.00	7.48	4.00	.000	.068	.055	.000	1508.70	9980.20
.011643	610.	595.	550.	3	0	0	.00	138.40	10118.60

1490 NH CARD USED
*SECNO 7.988
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.02

3470 ENCROACHMENT STATIONS= 9926.6 10440.5 TYPE= 1 TARGET= 513.900

7.988	6.21	1519.51	.00	1518.56	1519.69	.18	2.83	.06	1516.10
3750.0	98.3	2023.2	1628.5	35.6	521.8	600.1	822.6	238.8	1519.90
2.35	2.76	3.88	2.71	.055	.060	.049	.000	1513.30	9926.60
.002864	555.	555.	550.	3	0	0	.00	453.54	10440.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 8.092
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9970.6 10291.4 TYPE= 1 TARGET= 320.801
AREA IN TRIBUTARY WASH TO LEFT OF STA.9950 CONSIDERED INEFFECTIVE
BELOW ELEV. 1520.5 AND WAS BLOCKED OUT BY RAISING "GR" PTS.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.

8.092	5.97	1522.67	1522.67	1522.12	1523.45	.78	3.31	.18	1519.10
3345.0	110.1	1741.8	1493.1	18.4	240.9	213.1	834.2	244.5	1521.60
2.38	5.98	7.23	7.01	.055	.070	.039	.000	1516.70	9970.60
.016178	525.	550.	690.	3	10	0	.00	299.03	10291.40

1490 NH CARD USED
*SECNO 8.196
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.94

3470 ENCROACHMENT STATIONS= 9956.2 10131.9 TYPE= 1 TARGET= 175.700

8.196	8.00	1527.30	.00	1526.31	1527.61	.31	4.11	.05	1526.30
3345.0	.0	1745.1	1599.9	.0	361.7	388.9	841.9	247.5	1525.20
2.41	.00	4.82	4.11	.000	.065	.055	.000	1519.30	9956.20
.004287	550.	550.	550.	4	0	0	.00	175.70	10131.90

1490 NH CARD USED
*SECNO 8.301
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9965.5 10141.1 TYPE= 1 TARGET= 175.600

8.301	8.11	1530.11	.00	1529.38	1530.57	.46	2.91	.04	1527.30
3345.0	.0	2683.4	661.6	.0	461.8	186.2	850.2	249.5	1527.90
2.44	.00	5.81	3.55	.000	.071	.055	.000	1522.00	9965.50
.007424	565.	555.	470.	3	0	0	.00	175.60	10141.10

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 8.407
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9884.9 10046.9 TYPE= 1 TARGET= 162.000
AREA IN TRIBUTARY WASH TO LT. OF STA. 9866.7 CONSIDERED INEFFECTIVE
BELOW ELEV. 1531.5 AND WAS BLOCKED OUT BY RAISING "GR"PTS.

8.407	7.62	1533.82	.00	1532.81	1534.17	.35	3.59	.01	1531.00
3345.0	1223.1	2121.9	.0	278.3	433.3	.0	858.9	251.6	100000.00
2.47	4.39	4.90	.00	.055	.072	.000	.000	1526.20	9884.90
.005598	590.	560.	500.	2	0	0	.00	162.00	10046.90

1490 NH CARD USED
*SECNO 8.524
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9971.2 10057.2 TYPE= 1 TARGET= 86.000

8.524	7.39	1537.19	.00	1536.21	1537.86	.66	3.60	.10	1534.70
3345.0	.7	3344.3	.0	.7	511.4	.0	867.4	253.3	100000.00
2.50	.89	6.54	.00	.055	.057	.000	.000	1529.80	9971.20
.006274	550.	620.	625.	2	0	0	.00	86.00	10057.20

1490 NH CARD USED
*SECNO 8.634
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9915.0 10050.0 TYPE= 1 TARGET= 135.000

8.634	8.10	1540.80	.00	1539.76	1541.22	.42	3.34	.02	1538.00
3345.0	268.3	3061.3	15.4	76.4	570.9	6.6	875.2	254.8	1538.50
2.53	3.51	5.36	2.35	.055	.063	.055	.000	1532.70	9915.00
.005331	540.	580.	600.	1	0	0	.00	135.00	10050.00

1490 NH CARD USED
*SECNO 8.736
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9932.7 10131.7 TYPE= 1 TARGET= 199.000

8.736	7.97	1543.47	.00	1542.55	1543.75	.28	2.51	.01	1540.70
3345.0	229.8	2099.8	1015.4	73.7	455.2	288.5	884.3	256.8	1540.70
2.56	3.12	4.61	3.52	.055	.070	.055	.000	1535.50	9932.70
.004102	530.	540.	540.	2	0	0	.00	199.00	10131.70

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 8.840

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9964.0 10040.0 TYPE= 1 TARGET= 76.000

8.840	6.44	1545.14	.00	1544.45	1546.48	1.34	2.41	.32	1542.60
3345.0	13.2	3326.3	5.5	6.1	357.7	3.3	891.7	258.6	1542.80
2.58	2.18	9.30	1.70	.055	.032	.055	.000	1538.70	9964.00
.004702	550.	550.	550.	2	0	0	.00	76.00	10040.00

1490 NH CARD USED
*SECNO 8.948
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

3470 ENCROACHMENT STATIONS= 9921.0 10105.0 TYPE= 1 TARGET= 184.000

8.948	5.39	1548.09	.00	1547.33	1548.37	.28	1.79	.11	1547.10
3345.0	3.2	3335.4	6.3	3.0	786.7	4.8	899.3	260.3	1545.30
2.62	1.07	4.24	1.32	.055	.044	.055	.000	1542.70	9921.00
.002242	540.	570.	590.	2	0	0	.00	184.00	10105.00

1490 NH CARD USED
*SECNO 9.053

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 9967.3 10125.0 TYPE= 1 TARGET= 157.700

9.053	4.18	1550.58	1550.58	1550.36	1551.90	1.32	2.27	.31	1549.30
3345.0	.0	2565.8	779.2	.0	249.8	182.0	907.2	262.5	1547.70
2.63	.00	10.27	4.28	.000	.033	.055	.000	1546.40	9967.30
.009542	550.	555.	570.	7	15	0	.00	157.70	10125.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.158
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 9919.0 10226.8 TYPE= 1 TARGET= 307.800

9.158	6.43	1555.73	.00	1554.72	1556.11	.38	4.11	.09	1553.50
3345.0	358.6	1727.7	1258.7	116.6	281.3	393.6	914.8	265.4	1553.30
2.67	3.07	6.14	3.20	.059	.058	.057	.000	1549.30	9919.00
.006073	555.	555.	530.	2	0	0	.00	307.80	10226.80

1490 NH CARD USED
*SECNO 9.262

3470 ENCROACHMENT STATIONS= 9925.0 10032.0 TYPE= 1 TARGET= 107.000
100-YR. 24-HR. DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.
HEC-1 MODEL I.D. NO.=CB9. (D.A.=18.60 SQ. MI.)

9.262	5.49	1558.19	.00	1557.48	1558.92	.73	2.71	.11	1556.10
2943.0	8.5	2927.2	7.2	4.7	425.5	4.3	922.5	268.0	1556.70
2.69	1.82	6.88	1.68	.055	.035	.055	.000	1552.70	9925.00
.003967	550.	550.	550.	3	0	0	.00	107.00	10032.00

1490 NH CARD USED
*SECNO 9.375

3470 ENCROACHMENT STATIONS= 9956.2 10090.0 TYPE= 1 TARGET= 133.800

9.375	4.70	1560.70	.00	1560.05	1561.42	.72	2.49	.00	1559.30
2943.0	.0	2525.7	417.3	.0	362.6	73.7	928.4	269.6	1559.60
2.71	.00	6.97	5.66	.000	.033	.032	.000	1556.00	9956.20
.004516	650.	595.	510.	2	0	0	.00	133.80	10090.00

1490 NH CARD USED
*SECNO 9.481
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9900.9 10067.3 TYPE= 1 TARGET= 166.399

9.481	6.46	1564.46	.00	1563.79	1564.87	.41	3.42	.03	1562.60
2943.0	.0	2717.2	225.8	.0	514.8	63.6	935.0	271.5	1562.70
2.74	.00	5.28	3.55	.000	.064	.055	.000	1558.00	9900.90
.008662	535.	560.	580.	3	0	0	.00	166.40	10067.30

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

1490 NH CARD USED
*SECNO 9.585
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9814.3 10071.6 TYPE= 1 TARGET= 257.300

9.585	6.57	1568.57	.00	1567.71	1568.75	.19	3.86	.02	1567.90
2943.0	.0	2943.0	.0	.0	852.0	.0	944.0	274.2	100000.00
2.79	.00	3.45	.00	.000	.072	.000	.000	1562.00	9814.30
.005804	510.	550.	550.	4	0	0	.00	257.30	10071.60

1490 NH CARD USED
*SECNO 9.691
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9940.8 10191.5 TYPE= 1 TARGET= 250.700

9.691	5.90	1572.60	.00	1571.80	1572.92	.33	4.13	.04	1571.10
2943.0	18.2	1803.1	1121.7	6.5	370.2	270.8	953.8	277.5	1572.00
2.82	2.81	4.87	4.14	.055	.069	.055	.000	1566.70	9940.80
.009385	460.	560.	600.	2	0	0	.00	250.70	10191.50

1490 NH CARD USED
*SECNO 9.765
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.91

3470 ENCROACHMENT STATIONS= 9958.7 10341.1 TYPE= 1 TARGET= 382.399
CONSTRUCTION HAUL RD.CROSSES DAGGS WASH BETWEEN SECTION 9.765 AND 9.783.
CONSTRUCTION MATERIAL (SAND\GRAVEL) HAUL ROAD FOR TOYOTA PROVING
GROUND SITE CONSTRUCTION.CONSTRUCTED BY CONTRACTOR (KEWITT-WESTERN)
SOLELY FOR THIS CONSTR. PROJECT. NO CONSTR. PLANS FOR ROAD WERE
PREPARED. EASEMENTS WERE OBTAINED TO CONSTR. RD. FROM ADJ. LANDOWNERS.
THIS ROAD WAS ABANDONED AFTER END OF JAN.,1993. ABOVE
INFO. PER TELECO. CONVERSATION WITH CONTRACTOR'S ENGINEER.
ROAD HAS NO CULVERTS. IT WAS A GRAVEL SURFACED AND WELL GRADED ROAD
WHEN INSPECTED BY A-N WEST IN NOV.,1992.
THE ROAD PROFILE WAS NOT MODELED AS IT HAS BEEN ABANDONED AND IS AT-
GRADE WITH THE WASH.

9.765	5.47	1574.47	.00	1573.43	1574.59	.12	1.64	.02	1574.00
2943.0	.0	1246.6	1696.4	.0	422.1	664.6	961.1	280.2	1573.20
2.86	.00	2.95	2.55	.000	.061	.055	.000	1569.00	9958.70
.002572	350.	390.	350.	3	0	0	.00	382.40	10341.10

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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 9.783
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .64

3470 ENCROACHMENT STATIONS= 9930.9 10320.0 TYPE= 1 TARGET= 389.100

9.783	3.07	1574.77	.00	1573.73	1574.98	.21	.36	.03	100000.00
2943.0	.0	667.3	2275.7	.0	190.1	613.7	963.1	281.0	1574.50
2.87	.00	3.51	3.71	.000	.055	.055	.000	1571.70	9930.90
.006347	93.	95.	93.	2	0	0	.00	389.10	10320.00

1490 NH CARD USED
*SECNO 9.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS= 9970.0 10440.0 TYPE= 1 TARGET= 470.000

9.888	4.56	1577.76	.00	1576.72	1577.91	.15	2.93	.01	1577.50
2943.0	3.0	589.4	2350.6	3.8	171.3	787.0	974.8	286.7	1577.60
2.92	.80	3.44	2.99	.055	.061	.055	.000	1573.20	9970.00
.004184	510.	555.	580.	4	0	0	.00	470.00	10440.00

1490 NH CARD USED
*SECNO 9.997

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .49

3470 ENCROACHMENT STATIONS= 9973.0 10312.0 TYPE= 1 TARGET= 339.000

9.997	5.96	1581.96	1581.36	1581.20	1582.30	.34	4.33	.06	100000.00
2943.0	.0	1308.6	1634.4	.0	337.0	311.3	985.4	292.0	1581.00
2.95	.00	3.88	5.25	.000	.082	.055	.000	1576.00	9974.11
.017375	570.	575.	575.	11	12	0	.00	337.89	10312.00

1490 NH CARD USED
*SECNO 10.103

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.36

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

3470 ENCROACHMENT STATIONS= 9930.0 10200.0 TYPE= 1 TARGET= 270.000

10.103	5.66	1584.96	.00	1583.92	1585.33	.37	3.02	.01	1582.80
2943.0	41.5	2113.8	787.6	19.0	377.9	324.5	993.0	295.2	1582.70
2.98	2.19	5.59	2.43	.055	.036	.055	.000	1579.30	9930.00
.003131	560.	560.	390.	4	0	0	.00	270.00	10200.00

1490 NH CARD USED
*SECNO 10.207
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED
3280 CROSS SECTION 10.21 EXTENDED .36 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .63

3470 ENCROACHMENT STATIONS= 9771.0 10073.9 TYPE= 1 TARGET= 302.900
PER SEC.4.827 COMMENTS, GR PTS. REMOVED OUTSIDE INEFF. AREA LIMITS.

10.207	5.66	1587.66	.00	1586.71	1587.90	.24	2.55	.01	1585.80
2943.0	1873.9	1069.1	.0	469.0	283.9	.0	1002.2	298.9	100000.00
3.02	4.00	3.77	.00	.055	.076	.000	.000	1582.00	9771.00
.007824	500.	550.	620.	4	0	0	.00	302.90	10073.90

1490 NH CARD USED
*SECNO 10.311
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

3470 ENCROACHMENT STATIONS= 9676.4 10055.3 TYPE= 1 TARGET= 378.899

10.311	5.55	1590.55	.00	1589.53	1590.71	.16	2.81	.01	1588.80
2943.0	1546.1	1156.7	240.3	583.6	291.0	83.5	1013.0	303.2	1588.60
3.07	2.65	3.98	2.88	.055	.061	.055	.000	1585.00	9676.40
.003588	550.	550.	550.	2	0	0	.00	378.90	10055.30

1490 NH CARD USED
*SECNO 10.415

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .55

3470 ENCROACHMENT STATIONS= 9905.3 10093.8 TYPE= 1 TARGET= 188.500

10.415	5.82	1593.82	.00	1592.92	1594.28	.46	3.48	.09	1591.90
2943.0	538.2	1744.5	660.3	114.2	294.4	140.4	1023.3	307.1	1592.00
3.10	4.71	5.93	4.70	.055	.073	.055	.000	1588.00	9905.30
.011947	640.	550.	540.	1	0	0	.00	188.50	10093.80

1490 NH CARD USED
*SECNO 10.521
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.86

3470 ENCROACHMENT STATIONS= 9884.9 10067.4 TYPE= 1 TARGET= 182.500

10.521	5.39	1597.29	.00	1596.33	1597.53	.24	3.23	.02	1594.90
2943.0	98.5	2744.0	100.6	34.1	688.7	37.0	1031.5	309.4	1594.70
3.14	2.88	3.98	2.72	.055	.059	.055	.000	1591.90	9884.90
.003463	520.	560.	525.	3	0	0	.00	182.50	10067.40

1490 NH CARD USED
*SECNO 10.606
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .64

3470 ENCROACHMENT STATIONS= 9797.4 10059.3 TYPE= 1 TARGET= 261.899

10.606	6.35	1599.65	.00	1598.87	1599.85	.21	2.32	.00	1597.80
2943.0	.0	2943.0	.0	.0	808.0	.0	1039.6	311.7	100000.00
3.17	.00	3.64	.00	.000	.079	.000	.000	1593.30	9797.40
.008525	380.	450.	475.	3	0	0	.00	261.90	10059.30

1490 NH CARD USED
*SECNO 10.681

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

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

3470 ENCROACHMENT STATIONS= 9920.0 10066.0 TYPE= 1 TARGET= 146.000
PRIVATE, UNMAINTAINED,UNPAVED,AT-GRADE,ACCESS ROAD FOR RANCH OPERATION.

10.681	5.57	1601.57	.00	1600.80	1602.10	.53	2.16	.10	1599.30
2943.0	232.6	2706.5	3.9	84.0	448.1	2.7	1045.6	313.5	1599.50
3.19	2.77	6.04	1.44	.055	.039	.055	.000	1596.00	9920.00
.003834	325.	395.	400.	2	0	0	.00	146.00	10066.00

1490 NH CARD USED
*SECNO 10.787
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .57

3470 ENCROACHMENT STATIONS= 9960.0 10150.0 TYPE= 1 TARGET= 190.000

10.787	5.98	1604.98	.00	1603.99	1605.60	.62	3.47	.03	1603.60
2943.0	89.2	2058.1	795.7	25.1	293.5	180.3	1052.2	315.6	1603.60
3.21	3.56	7.01	4.41	.055	.064	.055	.000	1599.00	9960.00
.011807	510.	560.	560.	1	0	0	.00	190.00	10150.00

1490 NH CARD USED
*SECNO 10.890
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.97

3470 ENCROACHMENT STATIONS= 9780.0 10716.3 TYPE= 1 TARGET= 936.271
THIS SECTION NUMBER SHORTENED FROM 10.891 TO 10.89 TO ALLOW REPEATING
FOR ANALYSIS OF WEST BREAKOUT FLOW FROM DAGGS WASH.
THE WEST BREAKOUT OF DAGGS WASH ENDS AT THIS SECTION AND STARTS

UPSTREAM AT SEC. 12.560.
THE EAST BREAKOUT OF DAGGS WASH ALSO ENDS AT THIS SECTION AND STARTS
AT SEC. 11.512.
INTERPOLATED 100-YR. 24-HR. DISCHARGE.
NO FLOODWAY ENCROACHMENT UPSTREAM OF SEC. 10.89 BECAUSE OF WEST BREAKOUT
WASH AND EAST SPLIT FLOW WASH WHICH DIVIDE FLOWS, UPSTREAM TO
STUDY LIMITS.
ANOTHER HEC2 ANALYSIS (FILE:DGWH8) WAS CONDUCTED WEREIN
THE WEST BREAKOUT FLOWS WERE CONFINED TO THE MAIN CHANNEL AND EAST SPLIT
(SEC. 10.89 TO 11.512) WITH THE FLOODPLAIN LIMITS HELD BY ENCROACHMENTS
TO DETERMINE IF THE TOTAL FLOW COULD BE CONVEYED WITHOUT RISING MORE
THAN ONE FOOT. TEN SECTIONS HAD WSEL RISES OF MORE THAN ONE FOOT.
A FLOODWAY WAS THEREFORE NOT CONSIDERED APPLICABLE UPSTREAM OF SEC.10.89
THE SEC. 10.89 FLOODWAY ENCROACHMENTS WERE SET AT THE FLOODPLAIN LIMITS
TO FACILITATE THE TRANSITION FROM FLOODWAY TO NO FLOODWAY ABOVE THIS SEC

10.890	5.70	1608.70	.00	1608.61	1608.82	.12	3.17	.05	1607.10
3120.0	416.8	926.5	1776.7	235.4	226.2	876.9	1064.1	322.8	1607.60
3.27	1.77	4.10	2.03	.055	.058	.055	.000	1603.00	9780.02
.003411	550.	550.	570.	5	0	0	.00	913.37	10716.29

THIS RUN EXECUTED 24JUN93 14:33:28

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

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

DAGGS WASH 100-YEAR PRD

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	.173	3041.00	1253.07	.00	3.48	.00	9973.40	10060.30	.00	.00	9508.12	10718.61	.51
	.173	3041.00	1254.07	.00	8.61	.00	9973.40	10060.30	9798.43	10152.23	9798.43	10152.23	.98
	.261	3041.00	1257.14	.00	4.61	465.00	9985.20	10024.60	.00	.00	9513.11	10444.70	.55
*	.261	3041.00	1258.17	.00	5.14	465.00	9985.20	10024.60	9653.08	10176.57	9653.08	10176.57	.51
*	.309	3041.00	1259.26	1259.26	3.65	255.00	9974.40	10036.00	.00	.00	9772.78	10480.37	.51
*	.309	3041.00	1260.10	1260.10	7.24	255.00	9974.40	10036.00	9888.45	10064.96	9888.45	10064.96	.82
*	.428	3041.00	1264.79	1264.45	2.90	630.00	9969.20	10030.00	.00	.00	9436.41	10278.81	.58
*	.428	3041.00	1265.77	.00	2.57	630.00	9969.20	10030.00	9591.12	10116.79	9591.12	10116.79	.34
*	.514	3041.00	1268.17	.00	2.45	450.00	9984.70	10030.90	.00	.00	9403.75	10255.84	.50
*	.514	3041.00	1268.59	.00	2.93	450.00	9984.70	10030.90	9670.14	10030.90	9670.14	10030.90	.48
*	.625	3041.00	1272.57	.00	3.70	585.00	9984.40	10028.80	.00	.00	9485.11	10032.59	.50
*	.625	3041.00	1273.60	.00	2.47	585.00	9984.40	10028.80	9721.17	10028.80	9721.17	10028.80	.26
*	.745	3041.00	1276.52	.00	2.78	635.00	9963.20	10028.80	.00	.00	9291.44	10068.08	.38
*	.745	3041.00	1277.11	.00	3.32	635.00	9963.20	10028.80	9750.45	10028.80	9750.45	10028.80	.39
*	.825	3041.00	1280.01	.00	5.55	425.00	9916.50	10030.80	.00	.00	9415.80	10033.67	.67
	.825	3041.00	1281.02	.00	5.05	425.00	9916.50	10030.80	9810.00	10032.00	9810.00	10032.00	.50
*	.923	3041.00	1284.01	.00	3.32	515.00	9981.80	10050.40	.00	.00	9616.74	10281.31	.37
	.923	3041.00	1284.72	.00	4.78	515.00	9981.80	10050.40	9842.60	10135.15	9842.60	10135.15	.47
*	1.021	3041.00	1287.18	.00	8.16	515.00	9965.90	10018.10	.00	.00	9807.20	10127.88	.82
	1.021	3041.00	1288.12	.00	8.04	515.00	9965.90	10018.10	9898.00	10020.00	9898.00	10020.00	.71
*	1.078	3041.00	1289.74	.00	5.50	300.00	9965.10	10029.60	.00	.00	9750.84	10197.84	.48
*	1.078	3041.00	1290.35	.00	5.74	300.00	9965.10	10029.60	9818.47	10076.24	9818.47	10076.24	.47

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	1.208	3041.00	1292.65	.00	7.26	685.00	9980.00	10039.70	.00	.00	9977.35	10801.93	.83
*	1.208	3041.00	1293.52	1293.52	9.22	685.00	9980.00	10039.70	9980.00	10305.55	9980.00	10305.55	.90
*	1.296	3041.00	1296.13	1296.13	7.32	465.00	9955.30	10020.40	.00	.00	9761.17	10556.26	.78
	1.296	3041.00	1297.17	.00	8.77	465.00	9955.30	10020.40	9953.00	10146.00	9953.00	10146.00	.79
	1.406	3041.00	1300.47	.00	5.18	580.00	9965.00	10072.90	8910.00	10322.00	9326.25	10235.31	.60
	1.406	3041.00	1301.37	.00	5.38	580.00	9965.00	10072.90	9965.00	10147.00	9965.00	10147.00	.53
	1.466	3041.00	1302.31	.00	6.06	315.00	9947.10	10100.70	.00	.00	9285.28	10165.96	.63
	1.466	3041.00	1303.24	.00	5.15	315.00	9947.10	10100.70	9947.10	10100.70	9947.10	10100.70	.46
	1.592	3041.00	1306.32	.00	5.20	665.00	9898.70	10088.40	.00	.00	8897.96	10152.32	.57
	1.592	3041.00	1306.79	.00	5.21	665.00	9898.70	10088.40	9898.70	10089.70	9898.70	10089.70	.52
*	1.753	3041.00	1313.32	1313.05	5.20	850.00	9980.10	10044.30	.00	.00	9521.11	10248.05	.57
*	1.753	3041.00	1313.90	1313.75	7.71	850.00	9980.10	10044.30	9823.67	10044.30	9823.67	10044.30	.77
*	1.857	3041.00	1317.40	.00	8.35	550.00	9977.90	10022.60	.00	.00	9968.72	10412.94	.74
*	1.857	3041.00	1318.44	.00	8.87	550.00	9977.90	10022.60	9973.00	10175.00	9973.00	10175.00	.70
*	1.949	3041.00	1320.13	1320.13	7.20	485.00	9963.70	10072.10	.00	.00	9955.79	10504.83	.74
	1.949	3041.00	1320.55	.00	8.39	485.00	9963.70	10072.10	9960.00	10075.00	9960.00	10075.00	.81
	2.088	3041.00	1325.20	.00	5.38	735.00	9927.90	10028.10	9220.00	10265.30	9390.85	10168.19	.56
	2.088	3041.00	1326.24	.00	6.19	735.00	9927.90	10028.10	9800.00	10037.00	9800.00	10037.00	.55
	2.215	3041.00	1330.90	.00	5.80	670.00	9969.70	10033.90	9200.00	10504.00	9227.43	10252.12	.51
	2.215	3041.00	1331.72	.00	6.45	670.00	9969.70	10033.90	9748.50	10033.90	9748.50	10033.90	.52
*	2.340	3041.00	1337.01	1337.01	7.99	660.00	9983.30	10051.60	9378.50	10216.60	9435.27	10044.44	.70
	2.340	3041.00	1338.01	.00	8.76	660.00	9983.30	10051.60	9765.00	10051.60	9765.00	10046.83	.71
*	2.438	3277.00	1340.03	.00	6.85	520.00	9955.10	10084.90	.00	.00	9572.35	10089.44	.69
*	2.438	3277.00	1340.92	.00	6.42	520.00	9955.10	10084.90	9950.00	10085.00	9950.00	10085.00	.57
*	2.549	3277.00	1343.93	1343.93	4.92	585.00	9965.50	10017.90	9832.00	10730.00	9886.37	10444.82	.97
*	2.549	3277.00	1344.87	1344.87	8.40	585.00	9965.50	10017.90	9965.50	10240.70	9965.50	10240.70	1.13
	2.593	3277.00	1346.87	.00	6.02	230.00	9978.30	10034.20	.00	.00	9916.26	10452.42	.72
*	2.593	3277.00	1347.88	.00	5.63	230.00	9978.30	10034.20	9978.30	10253.00	9978.30	10253.00	.56
*	2.634	3277.00	1348.85	.00	4.29	220.00	9944.80	10116.70	.00	.00	9953.45	10554.35	.67
*	2.634	3277.00	1349.20	.00	6.49	220.00	9944.80	10116.70	9952.40	10186.20	9952.41	10186.20	.90
*	2.730	3277.00	1351.88	.00	3.31	505.00	9976.60	10050.40	.00	.00	9991.03	10897.35	.33
*	2.730	3277.00	1352.87	.00	3.39	505.00	9976.60	10050.40	9989.40	10437.10	9989.40	10437.10	.29
*	2.826	3277.00	1354.20	.00	4.68	505.00	9990.30	10063.10	9950.00	10643.50	9992.01	10594.13	.57
*	2.826	3277.00	1355.08	1354.51	4.95	505.00	9990.30	10063.10	9991.00	10305.40	9991.00	10305.40	.51

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	2.919	3277.00	1357.09	.00	6.93	490.00	9941.90	10022.20	9717.30	10316.20	9833.77	10316.20	.65
*	2.919	3277.00	1357.88	.00	6.96	490.00	9941.90	10022.20	9941.90	10210.60	9941.90	10210.60	.59
	3.014	3277.00	1359.14	.00	5.06	500.00	9800.50	10027.40	.00	.00	9739.07	10080.90	.53
	3.014	3277.00	1359.60	.00	4.46	500.00	9800.50	10027.40	9800.50	10027.40	9800.50	10027.40	.44
*	3.109	3277.00	1361.56	1361.54	8.53	500.00	9851.50	9977.30	9743.60	10139.80	9828.10	10096.79	.88
*	3.109	3277.00	1361.38	1361.38	9.54	500.00	9851.50	9977.30	9851.50	9977.30	9851.50	9977.30	1.02
*	3.190	3277.00	1364.50	.00	6.99	430.00	9933.10	10006.60	9839.60	10308.50	9934.08	10088.32	.54
*	3.190	3277.00	1365.06	.00	7.94	430.00	9933.10	10006.60	9933.10	10006.60	9933.10	10006.60	.59
*	3.247	3277.00	1365.11	1365.11	12.96	315.00	9979.00	10023.20	9971.30	10028.70	9971.30	10028.70	1.04
	3.247	3277.00	1366.12	.00	10.72	315.00	9979.00	10023.20	9971.30	10028.70	9971.30	10028.70	.78
*	3.251	3277.00	1366.28	1366.28	13.10	20.00	9976.30	10023.70	.00	.00	9976.30	10023.70	1.01
*	3.251	3277.00	1366.28	1366.28	13.09	20.00	9976.30	10023.70	.00	.00	9976.30	10023.70	1.00
*	3.253	3277.00	1368.39	.00	8.45	13.50	9976.30	10023.70	.00	.00	9976.31	10023.70	.52
*	3.253	3277.00	1368.38	.00	8.46	13.50	9976.30	10023.70	.00	.00	9976.31	10023.70	.52
*	3.254	3277.00	1368.46	1368.46	13.15	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.254	3277.00	1368.47	1368.47	13.15	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.256	3277.00	1371.48	1371.48	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.256	3277.00	1371.48	1371.48	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.257	3277.00	1374.58	1374.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.257	3277.00	1374.58	1374.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1377.58	1377.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1377.58	1377.58	13.12	7.30	9976.30	10023.70	.00	.00	9976.34	10023.70	1.01
*	3.259	3277.00	1379.82	.00	7.84	2.00	9976.30	10023.70	.00	.00	9976.30	10023.70	.47
*	3.259	3277.00	1379.82	.00	7.84	2.00	9976.30	10023.70	.00	.00	9976.30	10023.70	.47
*	3.259	3277.00	1380.25	.00	6.35	.10	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
*	3.259	3277.00	1380.25	.00	6.36	.10	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
	3.262	3277.00	1380.25	.00	6.35	14.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
	3.262	3277.00	1380.25	.00	6.35	14.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.34
*	3.264	3277.00	1379.65	.00	10.89	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
*	3.264	3277.00	1379.65	.00	10.89	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.267	3277.00	1379.67	.00	10.87	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.267	3277.00	1379.67	.00	10.87	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.269	3277.00	1379.74	.00	10.73	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.75
	3.269	3277.00	1379.74	.00	10.73	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.75

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	3.273	3277.00	1379.82	.00	10.60	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.273	3277.00	1379.83	.00	10.59	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.282	3277.00	1379.96	.00	10.37	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.71
	3.282	3277.00	1379.96	.00	10.38	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.71
	3.284	3277.00	1380.80	.00	8.14	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.284	3277.00	1380.80	.00	8.14	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.285	3277.00	1381.17	.00	6.95	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.44
	3.285	3277.00	1381.17	.00	6.95	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.44
	3.287	3277.00	1381.54	.00	5.49	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.34
	3.287	3277.00	1381.54	.00	5.49	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.34
	3.291	3277.00	1381.88	.00	3.78	22.10	9953.80	10046.20	.00	.00	9936.64	10063.36	.23
	3.291	3277.00	1381.88	.00	3.78	22.10	9953.80	10046.20	.00	.00	9936.64	10063.36	.23
	3.299	3277.00	1381.92	.00	3.64	38.40	9955.30	10046.70	.00	.00	9929.17	10071.05	.22
	3.299	3277.00	1381.92	.00	3.64	38.40	9955.30	10046.70	.00	.00	9929.17	10071.05	.22
*	3.302	3277.00	1382.05	.00	2.47	20.00	9933.40	10067.70	.00	.00	9900.28	10099.92	.15
*	3.302	3277.00	1382.05	.00	2.47	20.00	9933.40	10067.70	.00	.00	9900.28	10099.92	.15
*	3.306	3277.00	1382.12	.00	1.60	19.50	9901.50	10098.60	.00	.00	9836.93	10163.17	.10
*	3.306	3277.00	1382.12	.00	1.60	19.50	9901.50	10098.60	.00	.00	9836.93	10163.17	.10
*	3.328	4957.00	1382.15	.00	1.03	90.00	9975.00	10374.70	.00	.00	9396.98	10496.72	.06
*	3.328	4957.00	1382.15	.00	1.03	90.00	9975.00	10374.70	9396.97	10496.72	9396.97	10496.72	.06
	3.418	4957.00	1382.17	.00	.60	475.00	9729.00	10007.30	.00	.00	9307.99	10703.52	.04
	3.418	4957.00	1382.17	.00	.60	475.00	9729.00	10007.30	9307.99	10703.52	9307.99	10703.52	.04
*	3.507	4957.00	1382.21	.00	1.24	470.00	9582.90	10055.40	.00	.00	9257.06	10286.38	.10
*	3.507	4957.00	1382.21	.00	1.24	470.00	9582.90	10055.40	9257.05	10286.38	9257.05	10286.38	.10
*	3.601	4957.00	1382.53	.00	3.78	495.00	9641.50	10023.30	.00	.00	9299.15	10039.67	.49
*	3.601	4957.00	1382.53	.00	3.78	495.00	9641.50	10023.30	9299.15	10039.67	9299.15	10039.67	.49
*	3.696	4957.00	1385.59	.00	4.54	500.00	9850.80	10218.40	.00	.00	9493.98	10227.80	.53
	3.696	4957.00	1386.11	.00	4.74	500.00	9850.80	10218.40	9850.80	10218.40	9850.80	10218.40	.50
*	3.791	4957.00	1388.91	.00	4.93	500.00	9858.20	10320.30	.00	.00	9308.63	10328.58	.66
	3.791	4957.00	1389.73	.00	4.25	500.00	9858.20	10320.30	9858.20	10320.30	9858.20	10320.30	.47
*	3.888	4957.00	1393.22	.00	3.47	510.00	9639.30	10014.80	.00	.00	8953.63	10100.57	.41
	3.888	4957.00	1393.87	.00	4.56	510.00	9639.30	10014.80	9639.30	10014.80	9639.30	10014.80	.47
	3.984	4957.00	1396.29	.00	4.82	505.00	9674.40	10041.80	.00	.00	9006.60	10045.99	.59
	3.984	4957.00	1397.26	.00	4.40	505.00	9674.40	10041.80	9674.40	10041.80	9674.40	10041.80	.44

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	4.080	4957.00	1398.84	.00	4.42	505.00	9822.50	10038.30	.00	.00	9270.73	10299.57	.48
	4.080	4957.00	1399.87	.00	5.75	505.00	9822.50	10038.30	9785.00	10040.00	9785.00	10040.00	.53
*	4.178	4957.00	1401.62	.00	5.70	515.00	9804.00	10048.90	.00	.00	9511.68	10498.83	.66
	4.178	4957.00	1402.61	.00	4.89	515.00	9804.00	10048.90	9804.00	10164.90	9804.00	10164.90	.47
	4.273	4957.00	1405.47	.00	6.29	500.00	9918.20	10052.10	.00	.00	9909.07	10679.01	.58
	4.273	4957.00	1405.66	.00	7.95	500.00	9918.20	10052.10	9918.20	10131.10	9918.20	10131.10	.72
	4.368	4957.00	1409.45	.00	5.98	500.00	9960.50	10027.80	.00	.00	9933.43	10824.43	.49
	4.368	4957.00	1410.38	.00	5.64	500.00	9960.50	10027.80	9960.50	10265.50	9960.50	10265.50	.42
*	4.464	4957.00	1412.05	.00	6.51	505.00	9965.20	10040.20	.00	.00	9795.26	10865.77	.52
	4.464	4957.00	1412.78	.00	7.44	505.00	9965.20	10040.20	9965.20	10245.80	9965.20	10245.80	.56
	4.541	4555.00	1413.74	.00	7.36	406.00	9973.10	10051.50	.00	.00	9646.26	10348.15	.63
	4.541	4555.00	1414.60	.00	7.28	406.00	9973.10	10051.50	9859.80	10089.50	9859.80	10089.50	.57
	4.635	4555.00	1416.91	.00	7.90	495.00	9972.90	10065.00	.00	.00	9525.67	10146.57	.71
	4.635	4555.00	1417.42	.00	9.93	495.00	9972.90	10065.00	9910.00	10066.00	9910.00	10066.00	.84
	4.731	4555.00	1420.42	.00	5.31	505.00	9943.60	10025.30	.00	.00	9698.87	10216.36	.42
*	4.731	4555.00	1421.37	.00	4.76	505.00	9943.60	10025.30	9849.90	10133.80	9849.90	10133.80	.35
	4.827	4555.00	1423.96	.00	4.98	505.00	9959.30	10067.70	9956.00	10369.00	9965.72	10237.34	.43
*	4.827	4555.00	1424.13	.00	5.58	505.00	9959.30	10067.70	9965.50	10148.00	9965.50	10148.00	.47
	4.918	4555.00	1426.81	.00	4.94	480.00	9993.20	10075.80	9875.60	10463.00	9894.82	10446.98	.40
	4.918	4555.00	1427.47	.00	5.84	480.00	9993.20	10075.80	9990.00	10181.80	9990.00	10181.80	.44
	5.011	4555.00	1429.42	.00	5.04	490.00	9983.60	10043.20	.00	.00	9737.98	10300.60	.41
	5.011	4555.00	1430.36	.00	5.80	490.00	9983.60	10043.20	9892.00	10100.10	9892.00	10100.10	.43
	5.106	4555.00	1431.88	.00	6.07	500.00	9963.70	10031.10	.00	.00	9650.95	10116.81	.48
*	5.106	4555.00	1432.73	.00	6.00	500.00	9963.70	10031.10	9805.00	10032.00	9805.00	10032.00	.44
*	5.201	4555.00	1434.47	1434.47	10.10	500.00	9977.10	10037.30	9783.70	10186.00	9787.58	10092.82	.82
*	5.201	4555.00	1435.02	1435.02	11.53	500.00	9977.10	10037.30	9894.00	10040.00	9894.00	10040.00	.89
	5.307	4555.00	1438.37	.00	8.39	560.00	9976.80	10042.30	9745.90	10214.00	9750.39	10167.96	.66
*	5.307	4555.00	1439.33	.00	8.09	560.00	9976.80	10042.30	9885.10	10043.90	9885.10	10043.90	.58
	5.414	4555.00	1441.35	.00	9.33	565.00	9956.20	10040.00	9662.00	10269.00	9823.63	10072.91	.75
*	5.414	4555.00	1441.76	.00	10.44	565.00	9956.20	10040.00	9954.00	10042.00	9954.00	10042.00	.81
	5.518	4555.00	1445.10	.00	7.39	550.00	9974.60	10046.30	.00	.00	9922.51	10307.26	.59
	5.518	4555.00	1446.04	.00	7.90	550.00	9974.60	10046.30	9967.00	10173.00	9967.00	10173.00	.58
	5.626	4555.00	1447.59	.00	7.99	570.00	9951.20	10024.90	9755.50	10125.00	9838.42	10081.99	.62
	5.626	4555.00	1448.44	.00	8.63	570.00	9951.20	10024.90	9902.00	10026.00	9902.00	10026.00	.62

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	5.732	4150.00	1450.76	.00	7.20	560.00	9954.60	10012.70	.00	.00	9946.00	10163.06	.56
	5.732	4150.00	1451.58	.00	6.56	560.00	9954.60	10012.70	9954.60	10114.70	9954.60	10114.70	.47
	5.824	4150.00	1453.66	.00	4.95	485.00	9982.20	10030.10	.00	.00	9705.82	10157.72	.37
	5.824	4150.00	1454.23	.00	6.11	485.00	9982.20	10030.10	9771.20	10060.20	9771.20	10060.20	.43
	5.934	4150.00	1456.68	.00	4.90	580.00	9979.60	10031.40	.00	.00	9457.68	10048.06	.37
	5.934	4150.00	1457.73	.00	5.16	580.00	9979.60	10031.40	9822.00	10031.40	9822.00	10031.40	.36
*	6.033	4150.00	1460.14	.00	6.55	525.00	9977.70	10079.70	9412.30	10090.00	9510.97	10047.68	.52
	6.033	4150.00	1461.04	.00	6.57	525.00	9977.70	10079.70	9914.90	10051.00	9914.90	10050.97	.49
	6.144	4150.00	1464.88	.00	5.46	590.00	9925.90	10010.20	9645.20	10038.00	9674.78	10027.76	.41
	6.144	4150.00	1465.83	.00	5.86	590.00	9925.90	10010.20	9890.20	10010.20	9890.20	10010.20	.41
	6.244	4150.00	1467.79	.00	4.37	530.00	9945.00	10040.00	.00	.00	9927.11	10312.89	.36
	6.244	4150.00	1468.82	.00	4.52	530.00	9945.00	10040.00	9945.00	10212.10	9945.00	10212.10	.33
	6.364	4150.00	1470.34	.00	5.85	635.00	9836.10	10030.50	9688.70	10298.10	9751.43	10218.82	.55
	6.364	4150.00	1470.89	.00	5.32	635.00	9836.10	10030.50	9836.10	10030.50	9836.10	10030.50	.47
	6.480	4150.00	1472.81	.00	6.14	610.00	9847.20	10071.70	9681.80	10303.00	9819.19	10178.67	.64
	6.480	4150.00	1472.92	.00	6.25	610.00	9847.20	10071.70	9846.00	10074.00	9846.00	10074.00	.64
*	6.585	4150.00	1475.74	1475.74	8.00	555.00	9919.40	10151.90	.00	.00	9882.47	10273.99	.95
*	6.585	4150.00	1476.10	.00	6.96	555.00	9919.40	10151.90	9919.40	10151.90	9919.40	10151.90	.77
*	6.697	4150.00	1479.84	.00	4.12	590.00	9972.80	10139.20	9581.40	10288.10	9663.39	10172.88	.42
*	6.697	4150.00	1480.58	.00	5.37	590.00	9972.80	10139.20	9905.40	10139.20	9905.40	10139.20	.49
	6.801	4150.00	1482.36	.00	7.03	550.00	9976.80	10058.80	9672.50	10246.90	9726.90	10246.27	.58
	6.801	4150.00	1483.28	.00	6.90	550.00	9976.80	10058.80	9976.80	10186.70	9976.80	10186.70	.52
	6.908	3750.00	1485.91	1485.90	7.88	565.00	9948.70	10040.30	9719.20	10476.10	9790.78	10373.25	.72
	6.908	3750.00	1486.38	.00	9.56	565.00	9948.70	10040.30	9945.00	10044.00	9945.00	10044.00	.82
	7.012	3750.00	1488.80	1488.52	8.05	550.00	9934.40	10033.70	9713.50	10347.90	9763.17	10327.87	.70
*	7.012	3750.00	1489.73	.00	7.50	550.00	9934.40	10033.70	9933.00	10035.00	9933.00	10035.00	.59
*	7.130	3750.00	1493.52	1492.65	7.90	625.00	10000.00	10075.10	.00	.00	9909.13	10515.95	.61
*	7.130	3750.00	1493.50	.00	9.49	625.00	10000.00	10075.10	9998.00	10077.00	9998.00	10077.00	.73
*	7.232	3750.00	1497.89	.00	4.50	540.00	9964.70	10020.50	.00	.00	9671.36	10514.12	.32
*	7.232	3750.00	1498.87	.00	4.99	540.00	9964.70	10020.50	9894.40	10178.20	9894.40	10178.20	.33
	7.337	3750.00	1500.08	.00	5.81	555.00	9986.10	10086.10	9687.00	10438.00	9746.42	10314.14	.44
	7.337	3750.00	1501.00	.00	5.81	555.00	9986.10	10086.10	9986.10	10086.10	9986.10	10086.10	.40
	7.448	3750.00	1502.37	.00	7.86	585.00	9972.40	10084.10	.00	.00	9938.10	10131.53	.67
	7.448	3750.00	1502.94	.00	7.01	585.00	9972.40	10084.10	9970.00	10086.00	9970.00	10086.00	.56

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	7.562	3750.00	1506.53	.00	5.80	600.00	9980.00	10050.80	.00	.00	9918.40	10299.99	.44
*	7.562	3750.00	1506.46	.00	7.21	600.00	9980.00	10050.80	9980.00	10142.70	9980.00	10142.70	.56
*	7.666	3750.00	1509.62	.00	4.53	550.00	9975.70	10046.80	9604.90	10201.00	9798.55	10176.75	.34
*	7.666	3750.00	1510.60	.00	5.39	550.00	9975.70	10046.80	9946.20	10094.00	9946.20	10094.00	.37
	7.770	3750.00	1511.84	.00	5.50	550.00	9961.80	10078.70	9885.70	10353.20	9909.60	10141.15	.41
	7.770	3750.00	1512.76	.00	4.92	550.00	9961.80	10078.70	9961.80	10078.70	9961.80	10078.70	.34
	7.883	3750.00	1515.39	.00	5.55	595.00	9980.20	10052.70	.00	.00	9948.85	10258.33	.42
*	7.883	3750.00	1515.99	.00	7.48	595.00	9980.20	10052.70	9980.20	10118.60	9980.20	10118.60	.53
	7.988	3750.00	1518.56	.00	4.35	555.00	9936.40	10041.80	.00	.00	9854.64	10469.85	.38
*	7.988	3750.00	1519.51	.00	3.88	555.00	9936.40	10041.80	9926.60	10440.50	9926.60	10440.50	.31
*	8.092	3345.00	1522.12	.00	5.06	550.00	9977.80	10031.80	.00	.00	9796.07	10570.47	.45
*	8.092	3345.00	1522.67	1522.67	7.23	550.00	9977.80	10031.80	9970.60	10291.40	9970.60	10291.40	.60
	8.196	3345.00	1526.31	.00	4.98	550.00	9956.20	10015.60	9937.50	10449.20	9956.18	10430.06	.39
*	8.196	3345.00	1527.30	.00	4.82	550.00	9956.20	10015.60	9956.20	10131.90	9956.20	10131.90	.34
	8.301	3345.00	1529.38	.00	5.03	555.00	9965.50	10041.30	9905.00	10369.30	9933.93	10301.96	.38
	8.301	3345.00	1530.11	.00	5.81	555.00	9965.50	10041.30	9965.50	10141.10	9965.50	10141.10	.41
	8.407	3345.00	1532.81	.00	4.57	560.00	9973.50	10046.90	9645.90	10369.30	9683.06	10191.59	.36
	8.407	3345.00	1533.82	.00	4.90	560.00	9973.50	10046.90	9884.90	10046.90	9884.90	10046.90	.36
	8.524	3345.00	1536.21	.00	5.94	620.00	9971.50	10057.20	.00	.00	9605.71	10083.86	.47
	8.524	3345.00	1537.19	.00	6.54	620.00	9971.50	10057.20	9971.20	10057.20	9971.20	10057.20	.47
	8.634	3345.00	1539.76	.00	4.98	580.00	9944.90	10046.60	.00	.00	9672.34	10052.52	.41
	8.634	3345.00	1540.80	.00	5.36	580.00	9944.90	10046.60	9915.00	10050.00	9915.00	10050.00	.40
	8.736	3345.00	1542.55	.00	4.19	540.00	9962.60	10034.20	.00	.00	9822.52	10287.65	.32
	8.736	3345.00	1543.47	.00	4.61	540.00	9962.60	10034.20	9932.70	10131.70	9932.70	10131.70	.32
	8.840	3345.00	1544.45	1544.25	8.55	550.00	9966.60	10038.60	.00	.00	9781.06	10129.73	.73
	8.840	3345.00	1545.14	.00	9.30	550.00	9966.60	10038.60	9964.00	10040.00	9964.00	10040.00	.74
	8.948	3345.00	1547.33	.00	4.47	570.00	9923.80	10103.30	.00	.00	9783.23	10188.39	.41
*	8.948	3345.00	1548.09	.00	4.24	570.00	9923.80	10103.30	9921.00	10105.00	9921.00	10105.00	.36
*	9.053	3345.00	1550.36	1550.36	8.66	555.00	9967.30	10036.70	.00	.00	9946.33	10295.15	.83
*	9.053	3345.00	1550.58	1550.58	10.27	555.00	9967.30	10036.70	9967.30	10125.00	9967.30	10125.00	.95
	9.158	3345.00	1554.72	.00	5.71	555.00	9975.70	10026.90	.00	.00	9832.49	10477.07	.48
	9.158	3345.00	1555.73	.00	6.14	555.00	9975.70	10026.90	9919.00	10226.80	9919.00	10226.80	.46
	9.262	2943.00	1557.48	.00	6.32	550.00	9927.40	10029.20	9871.00	10358.20	9879.42	10354.24	.60
	9.262	2943.00	1558.19	.00	6.88	550.00	9927.40	10029.20	9925.00	10032.00	9925.00	10032.00	.59

	SECND	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	9.375	2943.00	1560.05	1559.89	7.06	595.00	9956.20	10056.50	9586.10	10274.60	9648.56	10247.63	.72
	9.375	2943.00	1560.70	.00	6.97	595.00	9956.20	10056.50	9956.20	10090.00	9956.20	10090.00	.65
	9.481	2943.00	1563.79	.00	4.03	560.00	9900.90	10031.10	.00	.00	9498.81	10326.19	.39
	9.481	2943.00	1564.46	.00	5.28	560.00	9900.90	10031.10	9900.90	10067.30	9900.90	10067.30	.47
	9.585	2943.00	1567.71	.00	3.36	550.00	9814.30	10071.60	.00	.00	9494.50	10224.02	.38
	9.585	2943.00	1568.57	.00	3.45	550.00	9814.30	10071.60	9814.30	10071.60	9814.30	10071.60	.33
	9.691	2943.00	1571.80	.00	3.48	560.00	9945.10	10048.20	.00	.00	9520.75	10436.49	.37
	9.691	2943.00	1572.60	.00	4.87	560.00	9945.10	10048.20	9940.80	10191.50	9940.80	10191.50	.45
*	9.765	2943.00	1573.43	.00	2.65	390.00	9958.70	10071.40	.00	.00	9687.60	10639.03	.28
*	9.765	2943.00	1574.47	.00	2.95	390.00	9958.70	10071.40	9958.70	10341.10	9958.70	10341.10	.27
	9.783	2943.00	1573.73	.00	4.83	94.80	9921.20	10020.90	.00	.00	9699.56	10647.11	.81
*	9.783	2943.00	1574.77	.00	3.51	94.80	9921.20	10020.90	9930.90	10320.00	9930.90	10320.00	.43
	9.888	2943.00	1576.72	.00	3.59	555.00	9981.70	10033.90	9724.50	10947.10	9827.14	10722.96	.42
	9.888	2943.00	1577.76	.00	3.44	555.00	9981.70	10033.90	9970.00	10440.00	9970.00	10440.00	.33
*	9.997	2943.00	1581.20	.00	2.48	575.00	9934.70	10133.70	9839.00	10585.40	9881.30	10474.24	.42
*	9.997	2943.00	1581.96	1581.36	3.88	575.00	9934.70	10133.70	9973.00	10312.00	9974.11	10312.00	.47
*	10.103	2943.00	1583.92	.00	5.38	560.00	9938.70	10036.90	9636.10	10303.50	9685.41	10302.30	.56
*	10.103	2943.00	1584.96	.00	5.59	560.00	9938.70	10036.90	9930.00	10200.00	9930.00	10200.00	.50
*	10.207	2943.00	1586.71	.00	2.93	550.00	9988.20	10073.90	9332.30	10263.30	9542.58	10212.73	.34
*	10.207	2943.00	1587.66	.00	3.77	550.00	9988.20	10073.90	9771.00	10073.90	9771.00	10073.90	.36
	10.311	2943.00	1589.53	.00	3.42	550.00	9956.80	10020.10	.00	.00	9337.31	10274.36	.32
*	10.311	2943.00	1590.55	.00	3.98	550.00	9956.80	10020.10	9676.40	10055.30	9676.40	10055.30	.33
*	10.415	2943.00	1592.92	.00	5.08	550.00	9959.80	10026.20	.00	.00	9465.19	10293.88	.48
*	10.415	2943.00	1593.82	.00	5.93	550.00	9959.80	10026.20	9905.30	10093.80	9905.30	10093.80	.50
*	10.521	2943.00	1596.33	.00	3.48	560.00	9898.60	10053.60	.00	.00	9377.09	10308.75	.33
*	10.521	2943.00	1597.29	.00	3.98	560.00	9898.60	10053.60	9884.90	10067.40	9884.90	10067.40	.33
*	10.606	2943.00	1598.87	.00	3.39	450.00	9797.40	10059.30	.00	.00	9458.84	10096.27	.39
*	10.606	2943.00	1599.65	.00	3.64	450.00	9797.40	10059.30	9797.40	10059.30	9797.40	10059.30	.37
*	10.681	2943.00	1600.80	.00	4.96	395.00	9957.90	10064.70	.00	.00	9561.81	10274.93	.47
*	10.681	2943.00	1601.57	.00	6.04	395.00	9957.90	10064.70	9920.00	10066.00	9920.00	10066.00	.52
*	10.787	2943.00	1603.99	1603.96	7.47	560.00	9977.30	10040.00	.00	.00	9829.06	10340.57	.69
*	10.787	2943.00	1604.98	.00	7.01	560.00	9977.30	10040.00	9960.00	10150.00	9960.00	10150.00	.57
*	10.898	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.29	.36
*	10.898	3120.00	1608.70	.00	4.10	550.00	9983.40	10030.50	9780.02	10716.29	9780.02	10716.29	.33

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	.173	1813.62	432.65	794.72	4.51	3.48	2.24	1254.00	1253.07	.00	1105.94	1249.30	1.27
	.173	837.85	1812.72	390.43	3.45	8.61	3.25	1257.30	1254.07	.00	353.80	1249.30	1.74
	.261	1631.48	391.38	1018.14	4.34	4.61	2.23	1263.80	1257.14	4.07	927.55	1252.20	1.32
*	.261	1591.32	644.38	805.30	2.81	5.14	2.62	1265.20	1258.17	4.10	523.49	1252.20	1.25
*	.309	2228.13	357.18	455.69	6.95	3.65	1.82	1262.00	1259.26	2.12	696.09	1254.00	1.81
*	.309	1813.15	1081.88	145.97	9.59	7.24	3.75	1262.00	1260.10	1.93	176.51	1254.00	1.14
*	.428	2026.53	135.29	879.18	3.47	2.90	3.26	1280.00	1264.79	5.54	838.58	1261.70	1.01
*	.428	2269.57	273.25	498.17	2.90	2.57	2.80	1280.00	1265.77	5.67	525.67	1261.70	1.00
*	.514	2321.74	84.27	634.99	2.78	2.45	2.45	1276.60	1268.17	3.38	848.20	1266.00	1.01
*	.514	2883.64	157.36	.00	5.12	2.93	.00	1277.50	1268.59	2.82	360.76	1266.00	1.04
*	.625	2747.54	285.11	8.35	3.82	3.70	2.49	1282.10	1272.57	4.40	547.48	1270.50	1.00
*	.625	2737.66	303.34	.00	3.80	2.47	.00	1282.10	1273.60	5.01	307.63	1270.50	1.05
*	.745	2700.59	305.36	35.04	2.76	2.78	1.46	1287.70	1276.52	3.95	776.64	1274.00	1.01
*	.745	2549.46	491.54	.00	5.02	3.32	.00	1288.90	1277.11	3.51	278.35	1274.00	1.07
*	.825	1704.18	1336.07	.74	4.05	5.55	1.25	1288.20	1280.01	3.49	515.96	1277.80	1.08
	.825	1240.94	1797.01	3.05	4.68	5.05	1.91	1288.20	1281.02	3.90	222.00	1277.80	1.01
*	.923	1260.44	556.99	1223.57	2.53	3.32	2.87	1291.80	1284.01	3.99	664.58	1280.60	1.03
	.923	1192.46	1035.82	812.72	3.51	4.78	3.96	1299.30	1284.72	3.70	292.55	1280.60	1.05
*	1.021	1464.33	1307.58	269.09	5.43	8.16	2.87	1295.40	1287.18	3.17	315.10	1283.70	1.29
	1.021	1348.11	1684.10	8.79	5.92	8.04	1.74	1305.70	1288.12	3.40	122.00	1283.70	1.09
*	1.078	744.75	1427.52	868.73	2.41	5.50	3.06	1290.00	1289.74	2.56	447.00	1285.30	1.44
*	1.078	677.51	1712.08	651.41	2.52	5.74	3.35	1310.00	1290.35	2.23	257.77	1285.30	1.40
	1.208	7.34	1018.86	2014.80	2.09	7.26	2.65	1301.80	1292.65	2.91	802.97	1289.30	1.98
*	1.208	.00	1774.78	1266.22	.00	9.22	3.29	1301.80	1293.52	3.18	325.55	1289.30	1.95
*	1.296	512.15	1310.72	1218.13	2.81	7.32	2.73	1304.10	1296.13	3.48	795.09	1292.90	1.93
	1.296	23.69	2163.92	853.39	3.26	8.77	3.73	1304.10	1297.17	3.64	193.00	1292.90	1.48
	1.406	368.56	1299.28	1373.16	2.20	5.18	4.63	1312.50	1300.47	4.33	488.43	1296.70	1.20
	1.406	.00	1874.29	1166.71	.00	5.38	5.94	1312.50	1301.37	4.20	182.00	1296.70	1.01
	1.466	121.15	2709.60	210.25	1.67	6.06	2.60	1313.80	1302.31	1.84	355.06	1298.90	1.30
	1.466	.00	3041.00	.00	.00	5.15	.00	1313.80	1303.24	1.87	153.60	1298.90	1.00
	1.592	312.63	2565.66	162.70	1.47	5.20	2.45	1309.50	1306.32	4.01	827.44	1302.70	1.51
	1.592	.00	3039.89	1.11	.00	5.21	.78	1318.80	1306.79	3.55	191.00	1302.70	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	1.753	1416.39	855.63	768.98	3.51	5.20	3.69	1324.30	1313.32	7.01	712.20	1309.40	1.09
*	1.753	1489.30	1551.70	.00	6.36	7.71	.00	1332.70	1313.90	7.11	220.63	1309.40	1.03
*	1.857	32.68	1457.40	1550.92	1.78	8.35	2.75	1326.70	1317.40	4.08	444.22	1312.80	2.31
*	1.857	37.20	1960.82	1042.97	1.91	8.87	2.98	1338.10	1318.44	4.54	202.00	1312.80	2.03
*	1.949	1.32	2264.26	775.42	.53	7.20	1.89	1330.10	1320.13	2.73	549.04	1316.30	2.25
	1.949	3.36	3019.20	18.43	1.01	8.39	2.80	1341.20	1320.55	2.11	115.00	1316.30	1.03
	2.088	911.79	1565.66	563.54	2.98	5.38	3.77	1330.80	1325.20	5.06	656.94	1321.40	1.22
	2.088	554.56	2449.44	37.00	3.02	6.19	2.87	1330.80	1326.24	5.69	237.00	1321.40	1.24
	2.215	1072.52	1479.75	488.73	2.60	5.80	2.46	1333.20	1330.90	5.71	725.56	1325.10	1.60
	2.215	1060.01	1980.99	.00	3.12	6.45	.00	1333.20	1331.72	5.48	285.40	1325.10	1.38
*	2.340	1056.27	1984.72	.00	3.89	7.99	.00	1341.80	1337.01	6.11	361.29	1330.60	1.37
	2.340	374.06	2666.94	.00	3.59	8.76	.00	1341.80	1338.01	6.29	159.64	1330.60	1.24
*	2.438	576.11	2699.39	1.50	2.74	6.85	.64	1340.80	1340.03	3.02	395.91	1336.20	1.37
*	2.438	6.03	3270.94	.03	1.20	6.42	.17	1340.80	1340.92	2.91	135.00	1336.20	1.01
*	2.549	851.61	207.11	2218.28	6.73	4.92	5.89	1350.00	1343.93	3.89	482.48	1341.90	1.02
*	2.549	.00	755.85	2521.15	.00	8.40	7.05	1350.00	1344.87	3.94	275.20	1341.90	1.02
	2.593	163.53	725.62	2387.85	2.21	6.02	4.41	1350.00	1346.87	2.94	536.15	1343.90	1.13
*	2.593	.00	996.26	2280.74	.00	5.63	4.29	1350.00	1347.88	3.01	274.70	1343.90	1.05
*	2.634	.00	880.78	2396.21	.00	4.29	4.80	1351.80	1348.85	1.98	561.24	1345.70	1.01
*	2.634	.00	1705.80	1571.20	.00	6.49	8.49	1351.80	1349.20	1.33	233.79	1345.70	1.06
*	2.730	.00	631.73	2645.27	.00	3.31	2.30	1353.00	1351.88	3.03	906.32	1347.80	1.07
*	2.730	.00	849.91	2427.09	.00	3.39	2.69	1353.00	1352.87	3.67	447.70	1347.80	1.03
*	2.826	.00	701.09	2575.91	.00	4.68	4.07	1354.90	1354.20	2.32	573.67	1349.30	1.01
*	2.826	.00	1036.72	2240.28	.00	4.95	5.21	1354.90	1355.08	2.21	314.40	1349.30	1.00
*	2.919	281.21	1969.11	1026.69	2.11	6.93	2.59	1359.00	1357.09	2.89	476.05	1352.80	1.94
*	2.919	.00	2415.26	861.73	.00	6.96	2.48	1359.00	1357.88	2.79	268.70	1352.80	1.67
	3.014	10.54	3197.29	69.17	.68	5.06	1.55	1366.10	1359.14	2.05	341.83	1355.80	1.12
	3.014	.00	3277.00	.00	.00	4.46	.00	1368.20	1359.60	1.73	226.90	1355.80	1.00
*	3.109	105.29	3128.46	43.24	3.36	8.53	1.26	1363.90	1361.56	2.42	263.78	1356.80	1.22
*	3.109	.00	3277.00	.00	.00	9.54	.00	1363.90	1361.38	1.77	125.80	1356.80	1.00
*	3.190	.00	2596.94	680.05	.00	6.99	4.31	1365.60	1364.50	2.94	154.23	1355.90	1.11
*	3.190	.00	3277.00	.00	.00	7.94	.00	1365.60	1365.06	3.68	73.50	1355.90	1.00
*	3.247	323.63	2741.47	211.90	10.10	12.96	8.42	1371.60	1365.11	.61	57.40	1360.00	1.04
	3.247	331.47	2743.85	201.67	8.33	10.72	6.57	1371.60	1366.12	1.06	57.40	1360.00	1.05

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	3.251	.00	3277.00	.00	.00	13.10	.00	1367.00	1366.28	1.16	47.40	1361.00	1.00
*	3.251	.00	3277.00	.00	.00	13.09	.00	1367.00	1366.28	.16	47.40	1361.00	1.00
*	3.253	.00	3277.00	.00	.00	8.45	.00	1369.40	1368.39	2.11	47.39	1358.40	1.00
*	3.253	.00	3277.00	.00	.00	8.46	.00	1369.40	1368.38	2.10	47.39	1358.40	1.00
*	3.254	.00	3277.00	.00	.00	13.15	.00	1372.40	1368.46	.08	47.36	1361.40	1.00
*	3.254	.00	3277.00	.00	.00	13.15	.00	1372.40	1368.47	.08	47.36	1361.40	1.00
*	3.256	.00	3277.00	.00	.00	13.12	.00	1375.40	1371.48	3.01	47.36	1364.40	1.00
*	3.256	.00	3277.00	.00	.00	13.12	.00	1375.40	1371.48	3.01	47.36	1364.40	1.00
*	3.257	.00	3277.00	.00	.00	13.12	.00	1378.50	1374.58	3.10	47.36	1367.50	1.00
*	3.257	.00	3277.00	.00	.00	13.12	.00	1378.50	1374.58	3.10	47.36	1367.50	1.00
*	3.259	.00	3277.00	.00	.00	13.12	.00	1381.50	1377.58	3.00	47.36	1370.50	1.00
*	3.259	.00	3277.00	.00	.00	13.12	.00	1381.50	1377.58	3.00	47.36	1370.50	1.00
*	3.259	.00	3277.00	.00	.00	7.84	.00	1380.30	1379.82	2.25	47.40	1371.00	1.00
*	3.259	.00	3277.00	.00	.00	7.84	.00	1380.30	1379.82	2.24	47.40	1371.00	1.00
*	3.259	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.43	47.40	1369.37	1.00
*	3.259	.00	3277.00	.00	.00	6.36	.00	1380.30	1380.25	.43	47.40	1369.37	1.00
	3.262	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.00	47.40	1369.37	1.00
	3.262	.00	3277.00	.00	.00	6.35	.00	1380.30	1380.25	.00	47.40	1369.37	1.00
*	3.264	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.65	-.60	47.40	1373.30	1.00
*	3.264	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.65	-.60	47.40	1373.30	1.00
	3.267	.00	3277.00	.00	.00	10.87	.00	1380.30	1379.67	.02	47.40	1373.30	1.00
	3.267	.00	3277.00	.00	.00	10.87	.00	1380.30	1379.67	.02	47.40	1373.30	1.00
	3.269	.00	3277.00	.00	.00	10.73	.00	1380.30	1379.74	.07	47.40	1373.30	1.00
	3.269	.00	3277.00	.00	.00	10.73	.00	1380.30	1379.74	.07	47.40	1373.30	1.00
	3.273	.00	3277.00	.00	.00	10.60	.00	1380.30	1379.82	.08	47.40	1373.30	1.00
	3.273	.00	3277.00	.00	.00	10.59	.00	1380.30	1379.83	.08	47.40	1373.30	1.00
	3.282	.00	3277.00	.00	.00	10.37	.00	1380.30	1379.96	.14	47.40	1373.30	1.00
	3.282	.00	3277.00	.00	.00	10.38	.00	1380.30	1379.96	.14	47.40	1373.30	1.00
	3.284	.00	3277.00	.00	.00	8.14	.00	1380.70	1380.80	.84	53.70	1373.30	1.00
	3.284	.00	3277.00	.00	.00	8.14	.00	1380.70	1380.80	.84	53.70	1373.30	1.00
	3.285	.00	3277.00	.00	.00	6.95	.00	1381.10	1381.17	.36	59.90	1373.30	1.00
	3.285	.00	3277.00	.00	.00	6.95	.00	1381.10	1381.17	.36	59.90	1373.30	1.00
	3.287	.00	3277.00	.00	.00	5.49	.00	1381.80	1381.54	.37	72.40	1373.30	1.00
	3.287	.00	3277.00	.00	.00	5.49	.00	1381.80	1381.54	.37	72.40	1373.30	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	3.291	139.55	2997.90	139.55	1.90	3.78	1.90	1383.00	1381.88	.34	126.72	1373.30	1.10
	3.291	139.55	2997.90	139.55	1.90	3.78	1.90	1383.00	1381.88	.34	126.72	1373.30	1.10
	3.299	213.63	2865.26	198.12	1.90	3.64	1.89	1383.00	1381.92	.04	141.88	1373.30	1.13
	3.299	213.63	2865.24	198.12	1.90	3.64	1.89	1383.00	1381.92	.04	141.88	1373.30	1.13
*	3.302	189.05	2904.28	183.67	1.30	2.47	1.30	1383.00	1382.05	.13	199.63	1373.30	1.11
*	3.302	189.06	2904.27	183.68	1.30	2.47	1.30	1383.00	1382.05	.13	199.64	1373.30	1.11
*	3.306	244.98	2787.03	244.98	.86	1.60	.86	1383.00	1382.12	.07	326.24	1373.30	1.14
*	3.306	244.99	2787.02	244.99	.86	1.60	.86	1383.00	1382.12	.07	326.24	1373.30	1.14
*	3.328	860.62	3804.28	292.10	.42	1.03	.48	1386.50	1382.15	.03	1099.74	1371.10	1.40
*	3.328	860.63	3804.27	292.10	.42	1.03	.48	1389.90	1382.15	.03	1099.75	1371.10	1.40
	3.418	1707.29	1341.21	1908.50	.61	.60	.51	1384.00	1382.17	.02	1395.52	1373.30	1.02
	3.418	1707.28	1341.20	1908.51	.61	.60	.51	1384.00	1382.17	.02	1395.52	1373.30	1.02
*	3.507	958.20	2795.67	1203.13	1.08	1.24	1.20	1384.20	1382.21	.03	1029.33	1376.40	1.01
*	3.507	958.21	2795.66	1203.13	1.08	1.24	1.19	1384.20	1382.21	.03	1029.33	1376.40	1.01
*	3.601	2167.30	2718.87	70.83	3.95	3.78	3.15	1388.90	1382.53	.32	740.52	1379.80	1.00
*	3.601	2167.30	2718.87	70.83	3.95	3.78	3.15	1388.90	1382.53	.32	740.52	1379.80	1.00
*	3.696	1042.94	3882.52	31.54	2.21	4.54	2.41	1391.80	1385.59	3.06	733.82	1382.40	1.26
	3.696	.00	4957.00	.00	.00	4.74	.00	1391.80	1386.11	3.58	367.60	1382.40	1.00
*	3.791	1045.48	3891.69	19.83	2.96	4.93	2.82	1395.90	1388.91	3.33	985.05	1386.10	1.13
	3.791	.00	4957.00	.00	.00	4.25	.00	1400.40	1389.73	3.62	462.10	1386.10	1.00
*	3.888	1279.20	2944.38	733.42	2.06	3.47	3.93	1398.90	1393.22	4.30	1146.94	1389.10	1.18
	3.888	.00	4957.00	.00	.00	4.56	.00	1398.90	1393.87	4.14	375.50	1389.10	1.00
	3.984	1243.83	3703.15	10.02	2.28	4.82	2.30	1402.00	1396.29	3.07	1039.39	1392.30	1.32
	3.984	.00	4957.00	.00	.00	4.40	.00	1409.10	1397.26	3.39	367.40	1392.30	1.00
*	4.080	1379.41	2495.43	1082.16	1.99	4.42	2.51	1401.10	1398.84	2.55	1028.84	1393.90	1.43
	4.080	430.60	4517.52	8.88	3.78	5.75	1.94	1401.10	1399.87	2.61	255.00	1393.90	1.04
*	4.178	354.99	3284.91	1317.10	2.09	5.70	2.93	1406.00	1401.62	2.78	983.50	1396.80	1.40
	4.178	.00	4005.92	951.08	.00	4.89	3.41	1409.90	1402.61	2.74	360.90	1396.80	1.06
	4.273	4.69	3043.01	1909.29	1.31	6.29	2.63	1409.70	1405.47	3.85	757.40	1400.00	1.61
	4.273	.00	4042.66	914.34	.00	7.95	4.66	1409.70	1405.66	3.05	212.90	1400.00	1.12
	4.368	146.24	1861.99	2948.77	3.75	5.98	3.44	1412.00	1409.45	3.98	884.39	1403.30	1.24
	4.368	.00	2107.22	2849.78	.00	5.64	4.63	1412.00	1410.38	4.72	305.00	1403.30	1.03
*	4.464	556.90	2364.49	2035.61	2.57	6.51	2.14	1415.70	1412.05	2.60	1067.99	1406.10	2.18
	4.464	.00	3106.63	1650.37	.00	7.44	3.47	1415.70	1412.78	2.39	280.60	1406.10	1.44

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	4.541	1342.98	2411.33	800.69	2.99	7.36	2.50	1416.00	1413.74	1.69	701.89	1408.30	1.88
	4.541	1237.29	2871.79	445.92	3.87	7.28	3.97	1416.00	1414.60	1.82	229.70	1408.30	1.29
	4.635	940.11	2799.23	815.65	2.60	7.90	3.96	1421.60	1416.91	3.17	522.46	1411.20	1.74
	4.635	569.76	3981.20	4.03	4.29	9.93	1.33	1422.60	1417.42	2.82	156.00	1411.20	1.23
	4.731	585.84	2153.00	1816.16	2.21	5.31	3.90	1424.30	1420.42	3.51	517.49	1414.40	1.25
*	4.731	516.42	2293.46	1745.12	2.61	4.76	4.00	1425.00	1421.37	3.94	283.90	1414.40	1.10
	4.827	.00	2115.28	2439.72	.00	4.98	5.37	1424.40	1423.96	3.54	271.62	1418.50	1.00
*	4.827	.00	2458.10	2096.89	.00	5.58	6.66	1424.40	1424.13	2.76	182.50	1418.50	1.02
	4.918	747.82	1931.86	1875.31	3.31	4.94	3.83	1427.20	1426.81	2.84	413.15	1420.60	1.07
	4.918	35.62	2601.81	1917.57	3.75	5.84	4.79	1427.20	1427.47	3.34	191.80	1420.60	1.03
	5.011	1802.55	1445.59	1306.86	3.69	5.04	3.45	1431.90	1429.42	2.62	562.62	1423.30	1.08
	5.011	1608.51	1986.58	959.91	5.04	5.80	4.92	1431.90	1430.36	2.89	208.10	1423.30	1.02
	5.106	2136.69	2027.50	390.81	3.26	6.07	2.60	1436.00	1431.88	2.46	465.87	1425.80	1.38
*	5.106	2203.51	2348.04	3.45	3.85	6.00	1.22	1436.00	1432.73	2.37	227.00	1425.80	1.16
*	5.201	1298.95	2849.21	406.84	3.84	10.10	4.12	1443.10	1434.47	2.59	305.24	1428.40	1.74
*	5.201	881.88	3636.72	36.40	4.65	11.53	3.68	1443.10	1435.02	2.29	146.00	1428.40	1.41
	5.307	1353.27	2759.70	442.03	3.43	8.39	2.55	1444.50	1438.37	3.91	417.58	1431.60	1.81
*	5.307	1379.48	3166.36	9.15	3.99	8.09	1.77	1444.50	1439.33	4.31	158.80	1431.60	1.34
	5.414	731.27	3718.09	105.64	3.37	9.33	2.81	1450.40	1441.35	2.97	249.28	1435.60	1.50
*	5.414	11.60	4528.34	15.06	2.55	10.44	2.73	1450.40	1441.76	2.43	88.00	1435.60	1.03
	5.518	660.93	2608.13	1285.93	4.26	7.39	2.88	1449.00	1445.10	3.76	384.75	1438.60	1.59
	5.518	164.86	3318.78	1071.36	3.90	7.90	3.37	1450.40	1446.04	4.28	206.00	1438.60	1.43
	5.626	1003.81	3043.43	507.76	3.62	7.99	3.50	1455.70	1447.59	2.49	243.57	1441.10	1.46
	5.626	721.58	3826.91	6.51	4.08	8.63	1.65	1455.70	1448.44	2.40	124.00	1441.10	1.22
	5.732	18.19	2169.26	1962.54	2.31	7.20	4.38	1456.90	1450.76	3.17	217.06	1444.70	1.21
	5.732	.00	2290.28	1859.72	.00	6.56	4.40	1457.20	1451.58	3.14	160.10	1444.70	1.12
	5.824	1842.33	1329.40	978.27	3.51	4.95	3.39	1460.60	1453.66	2.90	419.49	1447.20	1.09
	5.824	1829.64	1805.42	514.94	4.11	6.11	4.65	1460.60	1454.23	2.64	289.00	1447.20	1.11
	5.934	2745.11	1347.26	57.63	3.05	4.90	2.67	1460.70	1456.68	3.02	590.37	1450.00	1.17
	5.934	2450.12	1699.88	.00	4.53	5.16	.00	1460.70	1457.73	3.50	209.40	1450.00	1.01
*	6.033	1870.19	2279.81	.00	4.11	6.55	.00	1468.60	1460.14	3.46	488.34	1453.10	1.17
	6.033	1440.47	2709.53	.00	6.25	6.57	.00	1468.60	1461.04	3.32	136.07	1453.10	1.00
	6.144	1365.53	2532.09	252.38	3.67	5.46	4.50	1468.60	1464.88	4.74	352.99	1457.20	1.10
	6.144	956.59	3193.41	.00	5.85	5.86	.00	1468.60	1465.83	4.79	120.00	1457.20	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	6.244	27.41	1945.67	2176.92	1.71	4.37	3.52	1470.00	1467.79	2.91	385.77	1461.20	1.05
	6.244	.00	2456.00	1694.00	.00	4.52	3.46	1470.00	1468.82	2.98	267.10	1461.20	1.05
	6.364	57.07	3942.52	150.41	1.35	5.85	1.54	1472.30	1470.34	2.55	467.39	1465.60	1.25
	6.364	.00	4150.00	.00	.00	5.32	.00	1472.30	1470.89	2.07	194.40	1465.60	1.00
	6.480	3.32	3915.58	231.10	.58	6.14	1.89	1479.20	1472.81	2.47	359.47	1468.90	1.22
	6.480	.52	4146.39	3.10	.84	6.25	1.31	1479.20	1472.92	2.03	228.00	1468.90	1.01
*	6.585	.61	4097.19	52.20	.51	8.00	1.50	1480.40	1475.74	2.93	353.77	1472.50	1.10
*	6.585	.00	4150.00	.00	.00	6.96	.00	1482.30	1476.10	3.18	232.50	1472.50	1.00
*	6.697	2058.35	2087.20	4.45	3.08	4.12	.60	1485.10	1479.84	4.10	509.49	1475.60	1.07
*	6.697	775.88	3374.12	.00	3.81	5.37	.00	1485.10	1480.58	4.48	233.80	1475.60	1.05
	6.801	794.60	2591.24	764.15	2.68	7.03	2.91	1488.00	1482.36	2.52	519.37	1477.20	1.69
	6.801	.00	3071.45	1078.55	.00	6.90	3.53	1488.00	1483.28	2.71	209.90	1477.20	1.26
	6.908	192.29	2716.56	841.15	2.14	7.88	2.48	1492.00	1485.91	3.55	550.84	1481.30	1.98
	6.908	30.30	3705.21	14.49	3.69	9.56	2.63	1492.00	1486.38	3.10	99.00	1481.30	1.04
	7.012	277.97	3262.33	209.70	2.02	8.05	1.90	1492.00	1488.80	2.89	408.53	1483.80	1.73
*	7.012	5.18	3736.59	8.23	1.46	7.50	1.56	1492.00	1489.73	3.35	102.00	1483.80	1.02
*	7.130	289.21	3107.93	352.86	4.04	7.90	3.22	1499.40	1493.52	4.72	359.40	1486.70	1.27
*	7.130	2.51	3720.23	27.25	2.18	9.49	4.27	1499.40	1493.50	3.77	79.00	1486.70	1.02
*	7.232	954.93	1545.94	1249.13	2.40	4.50	2.23	1500.10	1497.89	4.37	842.76	1489.80	1.38
*	7.232	382.34	1991.05	1376.61	2.76	4.99	3.45	1500.10	1498.87	5.37	283.80	1489.80	1.15
	7.337	254.50	3218.01	277.49	1.84	5.81	1.80	1502.60	1500.08	2.20	504.02	1492.70	1.50
	7.337	.00	3750.00	.00	.00	5.81	.00	1502.60	1501.00	2.13	100.00	1492.70	1.00
	7.448	5.98	3699.01	45.01	.74	7.86	1.42	1507.40	1502.37	2.28	193.43	1496.70	1.13
	7.448	2.63	3743.27	4.10	1.17	7.01	1.39	1507.40	1502.94	1.94	116.00	1496.70	1.01
	7.562	225.92	2166.42	1357.65	3.00	5.80	3.71	1509.60	1506.53	4.17	374.69	1499.30	1.18
*	7.562	.00	2663.32	1086.67	.00	7.21	5.27	1515.60	1506.46	3.52	162.70	1499.30	1.06
*	7.666	1501.37	1821.94	426.69	3.46	4.53	2.26	1514.70	1509.62	3.09	378.20	1502.40	1.15
*	7.666	710.44	2548.87	490.69	4.91	5.39	3.59	1514.70	1510.60	4.14	147.80	1502.40	1.05
	7.770	84.68	3594.10	71.22	1.84	5.50	1.68	1514.00	1511.84	2.22	231.55	1504.90	1.14
	7.770	.00	3750.00	.00	.00	4.92	.00	1514.00	1512.76	2.16	116.90	1504.90	1.00
	7.883	221.04	2215.28	1313.68	3.90	5.55	3.91	1520.00	1515.39	3.54	309.47	1508.70	1.09
*	7.883	.00	3314.64	435.36	.00	7.48	4.00	1520.00	1515.99	3.23	138.40	1508.70	1.11
	7.988	498.68	1845.02	1406.30	3.10	4.35	3.55	1521.00	1518.56	3.17	455.71	1513.30	1.05
*	7.988	98.32	2023.18	1628.50	2.76	3.88	2.71	1521.00	1519.51	3.51	453.54	1513.30	1.10

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	8.092	698.88	1068.01	1578.11	3.22	5.06	6.50	1523.10	1522.12	3.57	462.12	1516.70	1.22
*	8.092	110.09	1741.82	1493.09	5.98	7.23	7.01	1523.10	1522.67	3.16	299.03	1516.70	1.00
	8.196	.00	1509.12	1835.88	.00	4.98	3.28	1531.20	1526.31	4.19	436.34	1519.30	1.14
*	8.196	.00	1745.06	1599.94	.00	4.82	4.11	1531.20	1527.30	4.62	175.70	1519.30	1.02
	8.301	147.76	2042.63	1154.61	3.01	5.03	3.03	1535.40	1529.38	3.07	368.03	1522.00	1.19
	8.301	.00	2683.42	661.58	.00	5.81	3.55	1535.40	1530.11	2.81	175.60	1522.00	1.11
	8.407	1253.58	1640.94	450.48	2.91	4.57	2.60	1537.00	1532.81	3.43	508.53	1526.20	1.19
	8.407	1223.09	2121.91	.00	4.39	4.90	.00	1537.00	1533.82	3.71	162.00	1526.20	1.01
	8.524	730.66	2540.06	74.27	2.09	5.94	2.53	1538.30	1536.21	3.40	478.15	1529.80	1.62
	8.524	.66	3344.34	.00	.89	6.54	.00	1539.30	1537.19	3.37	86.00	1529.80	1.00
	8.634	1017.76	2321.54	5.70	2.72	4.98	1.52	1543.50	1539.76	3.55	380.18	1532.70	1.24
	8.634	268.31	3061.28	15.41	3.51	5.36	2.35	1543.50	1540.80	3.60	135.00	1532.70	1.04
	8.736	673.65	1633.32	1038.03	2.66	4.19	2.55	1544.70	1542.55	2.79	465.13	1535.50	1.19
	8.736	229.82	2099.77	1015.41	3.12	4.61	3.52	1544.70	1543.47	2.67	199.00	1535.50	1.06
	8.840	367.70	2638.88	338.42	2.21	8.55	2.48	1547.60	1544.45	1.90	324.98	1538.70	1.96
	8.840	13.19	3326.26	5.55	2.18	9.30	1.70	1547.60	1545.14	1.67	76.00	1538.70	1.04
	8.948	200.60	2902.59	241.81	1.63	4.47	2.16	1549.30	1547.33	2.88	405.15	1542.70	1.25
*	8.948	3.25	3335.42	6.33	1.07	4.24	1.32	1550.00	1548.09	2.95	184.00	1542.70	1.01
*	9.053	18.59	2029.47	1296.94	1.70	8.66	3.20	1554.20	1550.36	3.03	348.82	1546.40	1.87
*	9.053	.00	2565.77	779.23	.00	10.27	4.28	1554.20	1550.58	2.49	157.70	1546.40	1.42
	9.158	1105.60	1309.03	930.37	4.26	5.71	2.25	1558.00	1554.72	4.36	644.58	1549.30	1.47
	9.158	358.59	1727.74	1258.67	3.07	6.14	3.20	1558.00	1555.73	5.15	307.80	1549.30	1.36
	9.262	41.97	2230.51	670.52	1.36	6.32	2.54	1561.90	1557.48	2.76	465.80	1552.70	1.54
	9.262	8.54	2927.24	7.22	1.82	6.88	1.68	1561.90	1558.19	2.46	107.00	1552.70	1.03
	9.375	115.12	2108.03	719.85	1.25	7.06	3.93	1563.20	1560.05	2.57	543.54	1556.00	1.51
	9.375	.00	2525.69	417.31	.00	6.97	5.66	1563.20	1560.70	2.51	133.80	1556.00	1.02
	9.481	468.06	1721.01	753.93	3.08	4.03	2.55	1568.70	1563.79	3.74	590.88	1558.00	1.12
	9.481	.00	2717.22	225.78	.00	5.28	3.55	1568.70	1564.46	3.76	166.40	1558.00	1.03
	9.585	345.72	2122.87	474.41	2.28	3.36	2.81	1570.70	1567.71	3.92	627.03	1562.00	1.05
	9.585	.00	2943.00	.00	.00	3.45	.00	1570.70	1568.57	4.11	257.30	1562.00	1.00
	9.691	461.59	1000.84	1480.58	1.79	3.48	3.15	1577.80	1571.80	4.09	817.99	1566.70	1.14
	9.691	18.23	1803.07	1121.70	2.81	4.87	4.14	1577.80	1572.60	4.03	250.70	1566.70	1.02
*	9.765	98.75	808.32	2035.93	1.07	2.65	2.20	1580.00	1573.43	1.64	888.80	1569.00	1.07
*	9.765	.00	1246.60	1696.40	.00	2.95	2.55	1580.00	1574.47	1.88	382.40	1569.00	1.02

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	9.783	37.98	524.85	2380.17	.95	4.83	2.62	1580.00	1573.73	.30	773.42	1571.70	1.25
*	9.783	.00	667.30	2275.69	.00	3.51	3.71	1580.00	1574.77	.29	389.10	1571.70	1.00
	9.888	36.47	426.15	2480.38	1.14	3.59	2.89	1581.30	1576.72	2.99	737.64	1573.20	1.05
	9.888	3.04	589.41	2350.56	.80	3.44	2.99	1581.30	1577.76	3.00	470.00	1573.20	1.01
*	9.997	10.98	542.81	2389.21	1.39	2.46	4.47	1582.80	1581.20	4.48	519.21	1576.00	1.16
*	9.997	.00	1308.63	1634.37	.00	3.88	5.25	1582.80	1581.96	4.19	337.89	1576.00	1.07
*	10.103	548.00	1486.79	908.20	2.03	5.38	2.41	1586.00	1583.92	2.72	616.89	1579.30	1.69
*	10.103	41.54	2113.82	787.65	2.19	5.59	2.43	1586.00	1584.96	3.00	270.00	1579.30	1.45
*	10.207	1647.80	595.35	699.85	2.86	2.93	3.77	1587.30	1586.71	2.79	670.15	1582.00	1.04
*	10.207	1873.91	1069.09	.00	4.00	3.77	.00	1587.30	1587.66	2.70	302.90	1582.00	1.00
	10.311	1170.08	773.13	999.79	1.78	3.42	2.42	1598.40	1589.53	2.82	937.05	1585.00	1.23
*	10.311	1546.07	1156.66	240.27	2.65	3.98	2.88	1598.40	1590.55	2.89	378.90	1585.00	1.12
*	10.415	638.56	1193.10	1111.34	2.56	5.08	3.48	1600.40	1592.92	3.39	744.50	1588.00	1.23
*	10.415	538.17	1744.49	660.33	4.71	5.93	4.70	1600.40	1593.82	3.27	188.50	1588.00	1.04
*	10.521	384.51	1875.67	682.81	1.47	3.48	2.24	1603.20	1596.33	3.41	810.66	1591.90	1.29
*	10.521	98.46	2743.95	100.59	2.88	3.98	2.72	1606.40	1597.29	3.47	182.50	1591.90	1.02
*	10.606	638.97	2048.50	255.53	2.53	3.39	4.17	1602.00	1598.87	2.54	637.43	1593.30	1.06
*	10.606	.00	2943.00	.00	.00	3.64	.00	1603.30	1599.65	2.36	261.90	1593.30	1.00
*	10.681	501.37	1812.19	629.43	1.52	4.96	2.06	1605.30	1600.80	1.93	713.12	1596.00	1.90
*	10.681	232.62	2706.50	3.89	2.77	6.04	1.44	1605.30	1601.57	1.93	146.00	1596.00	1.13
*	10.787	517.53	1728.94	696.53	3.77	7.47	3.47	1609.50	1603.99	3.19	478.79	1599.00	1.43
*	10.787	89.17	2058.12	795.71	3.56	7.01	4.41	1609.50	1604.98	3.40	190.00	1599.00	1.15
*	10.890	398.48	980.90	1740.62	1.84	4.42	2.13	1613.10	1608.61	4.61	909.37	1603.00	1.47
*	10.890	416.84	926.47	1776.68	1.77	4.10	2.03	1613.10	1608.70	3.72	913.37	1603.00	1.42

DAGGS WASH 100-YEAR PRO

SUMMARY PRINTOUT

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	.173	.00	.00	1253.30	.24	.00	.00	100.69	.00	3.77	44.72	55.45	55.00
	.173	.00	.00	1254.83	.76	.00	.00	100.64	.00	4.77	55.00	31.08	55.00
	.261	465.00	6.24	1257.36	.23	4.06	.00	58.78	10.66	4.94	36.91	41.13	58.58
*	.261	465.00	6.24	1258.35	.18	3.46	.06	47.90	9.57	5.97	53.63	43.17	64.04
*	.309	255.00	7.06	1259.84	.58	1.31	.11	54.15	14.98	5.26	32.13	40.68	55.00
*	.309	255.00	7.06	1261.25	1.15	1.76	.29	133.03	13.27	6.10	32.89	42.75	55.00
*	.428	630.00	12.22	1264.97	.18	5.09	.04	119.97	26.46	3.09	55.00	47.02	55.00
*	.428	630.00	12.22	1265.90	.13	4.54	.10	41.36	24.26	4.07	55.00	53.83	55.00
*	.514	450.00	9.56	1268.29	.11	3.31	.01	54.89	36.32	2.17	55.00	36.79	55.00
*	.514	450.00	9.56	1268.98	.39	3.00	.08	149.15	32.46	2.59	55.01	67.66	.00
*	.625	585.00	7.69	1272.80	.22	4.48	.03	113.92	49.27	2.07	55.10	61.84	55.00
*	.625	585.00	7.69	1273.81	.21	4.81	.02	52.06	42.26	3.10	55.25	81.92	.00
*	.745	635.00	5.51	1276.64	.12	3.84	.01	55.87	60.19	2.52	55.00	56.29	55.00
*	.745	635.00	5.51	1277.47	.36	3.62	.04	107.01	51.01	3.11	55.00	78.28	.00
*	.825	425.00	8.94	1280.37	.35	3.65	.07	176.15	68.28	2.21	55.00	58.40	55.00
	.825	425.00	8.94	1281.39	.37	3.92	.01	88.59	56.94	3.22	55.00	58.96	55.00
*	.923	515.00	5.44	1284.13	.12	3.74	.02	47.95	77.30	3.41	58.41	56.19	55.00
	.923	515.00	5.44	1284.98	.26	3.58	.01	68.19	64.21	4.12	63.03	55.11	55.00
*	1.021	515.00	6.02	1287.86	.68	3.56	.17	135.31	86.05	3.48	51.74	44.67	59.71
	1.021	515.00	6.02	1288.91	.80	3.77	.16	95.07	70.66	4.42	53.31	45.50	90.00
*	1.078	300.00	5.33	1290.03	.28	2.13	.04	44.93	90.75	4.44	55.59	45.73	64.49
*	1.078	300.00	5.33	1290.70	.35	1.74	.04	40.69	74.70	5.05	56.15	45.73	70.57
	1.208	685.00	5.84	1293.00	.35	2.95	.02	65.16	101.15	3.35	55.00	29.20	55.00
*	1.208	685.00	5.84	1294.36	.84	3.34	.15	82.36	83.33	4.22	.00	30.70	55.00
*	1.296	465.00	7.74	1296.56	.43	3.14	.02	103.06	108.28	3.23	55.00	40.39	55.60
	1.296	465.00	7.74	1298.08	.91	3.69	.02	96.75	87.97	4.27	55.00	40.43	60.63
	1.406	580.00	6.55	1300.80	.34	4.24	.01	63.16	117.48	3.77	55.00	39.98	41.85
	1.406	580.00	6.55	1301.86	.49	3.73	.04	51.29	94.27	4.67	.00	42.68	33.86
	1.466	315.00	6.98	1302.83	.52	1.97	.05	63.16	122.19	3.41	55.00	39.69	55.00
	1.466	315.00	6.98	1303.66	.41	1.79	.01	64.67	98.34	4.34	.00	55.81	.00
	1.592	665.00	5.71	1306.68	.36	3.84	.02	54.43	132.19	3.62	55.00	39.82	55.15
	1.592	665.00	5.71	1307.21	.42	3.55	.00	44.93	107.31	4.09	.00	40.16	90.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	1.753	850.00	7.88	1313.58	.26	6.89	.01	159.71	145.85	3.92	55.00	68.72	55.00
*	1.753	850.00	7.88	1314.68	.78	7.36	.11	299.19	116.59	4.50	55.00	69.93	.00
*	1.857	550.00	6.18	1317.98	.58	4.30	.10	51.72	154.75	4.60	90.00	31.64	55.36
*	1.857	550.00	6.18	1319.28	.84	4.58	.02	42.58	122.60	5.64	90.00	31.64	56.13
*	1.949	485.00	7.22	1320.75	.61	2.28	.01	47.45	162.28	3.83	90.00	28.89	55.00
	1.949	485.00	7.22	1321.64	1.09	2.28	.08	54.99	127.68	4.25	90.00	29.16	55.00
	2.088	735.00	6.94	1325.51	.31	4.73	.03	96.22	174.22	3.80	46.21	54.98	55.00
	2.088	735.00	6.94	1326.75	.51	5.05	.06	85.34	136.06	4.84	59.14	55.12	55.00
	2.215	670.00	5.52	1331.21	.31	5.70	.00	71.18	187.19	5.80	53.26	53.09	55.00
	2.215	670.00	5.52	1332.19	.47	5.44	.00	72.80	146.07	6.62	55.79	53.98	.00
*	2.340	660.00	8.33	1337.74	.73	6.40	.13	125.07	198.39	6.41	47.05	55.49	.00
	2.340	660.00	8.33	1339.08	1.07	6.71	.18	140.67	154.53	7.41	55.00	58.34	.00
*	2.438	520.00	10.77	1340.65	.62	2.90	.01	37.21	204.18	3.83	41.24	27.71	90.00
*	2.438	520.00	10.77	1341.56	.64	2.44	.04	24.89	159.82	4.72	55.00	28.70	90.00
*	2.549	585.00	9.74	1344.50	.57	3.56	.00	92.16	212.54	2.03	29.85	27.34	29.71
*	2.549	585.00	9.74	1345.71	.85	3.30	.06	141.45	167.17	2.97	.00	29.77	36.98
	2.593	230.00	8.70	1347.22	.35	2.70	.02	60.32	217.96	2.97	61.13	31.91	36.21
*	2.593	230.00	8.70	1348.23	.35	2.46	.05	37.54	172.26	3.98	.00	33.79	38.84
*	2.634	220.00	8.18	1349.19	.34	1.97	.00	175.36	221.36	3.15	.00	53.24	55.69
*	2.634	220.00	8.18	1350.08	.88	1.70	.16	293.13	175.02	3.50	.00	53.52	56.99
*	2.730	505.00	4.16	1351.98	.10	2.76	.02	38.71	230.27	4.08	.00	59.82	55.10
*	2.730	505.00	4.16	1353.00	.13	2.85	.07	30.26	182.36	5.07	.00	60.85	55.49
*	2.826	505.00	2.97	1354.47	.28	2.44	.05	125.39	239.40	4.90	.00	67.26	55.00
*	2.826	505.00	2.97	1355.49	.41	2.27	.85	148.00	190.38	5.78	.00	72.73	55.00
*	2.919	490.00	7.14	1357.57	.49	3.04	.06	41.64	247.53	4.29	55.00	31.98	55.00
*	2.919	490.00	7.14	1358.46	.58	2.91	.05	34.79	197.35	5.08	.00	32.70	55.00
	3.014	500.00	6.00	1359.53	.39	1.95	.01	37.93	255.87	3.34	55.00	35.69	55.00
	3.014	500.00	6.00	1359.91	.31	1.43	.03	24.50	205.35	3.80	.00	35.82	.00
*	3.109	500.00	2.00	1362.65	1.08	2.91	.21	100.26	262.33	4.76	55.00	35.35	55.00
*	3.109	500.00	2.00	1362.79	1.41	2.43	.33	139.44	211.54	4.58	.00	35.43	.00
*	3.190	430.00	-2.09	1365.16	.66	2.47	.04	37.82	266.99	8.60	.00	38.19	35.12
*	3.190	430.00	-2.09	1366.04	.98	3.20	.04	46.28	215.27	9.16	.00	38.13	.00
*	3.247	315.00	13.02	1367.52	2.41	1.78	.52	96.60	269.80	5.11	32.00	32.00	32.00
	3.247	315.00	13.02	1367.76	1.64	1.53	.20	51.25	217.93	6.12	32.00	32.00	32.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	3.251	20.00	50.00	1368.94	2.67	.20	.13	99.56	269.92	5.28	.00	30.00	.00
*	3.251	20.00	50.00	1368.94	2.66	.14	.51	99.22	218.06	5.28	.00	30.00	.00
*	3.253	13.50	-192.59	1369.50	1.11	.09	.47	46.04	270.01	9.99	.00	30.00	.00
*	3.253	13.50	-192.59	1369.49	1.11	.09	.46	46.09	218.16	9.98	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.69	.06	.79	184.99	270.07	7.06	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.68	.06	.79	184.83	218.21	7.07	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.33	270.11	7.08	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.42	218.26	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.55	270.15	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.59	218.30	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.67	270.19	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.59	218.34	7.08	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.96	270.21	8.82	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.97	218.36	8.82	.00	30.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	2.12	270.21	10.88	.00	13.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	2.12	218.36	10.88	.00	13.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	2.12	270.38	10.88	.00	13.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	2.12	218.53	10.88	.00	13.00	.00
*	3.264	12.50	314.40	1381.49	1.84	.01	.61	10.59	270.50	6.35	.00	13.00	.00
*	3.264	12.50	314.40	1381.49	1.84	.01	.61	10.59	218.65	6.35	.00	13.00	.00
	3.267	11.90	.00	1381.50	1.83	.01	.00	10.53	270.58	6.37	.00	13.00	.00
	3.267	11.90	.00	1381.50	1.83	.01	.00	10.53	218.73	6.37	.00	13.00	.00
	3.269	11.90	.00	1381.53	1.79	.01	.01	10.14	270.67	6.44	.00	13.00	.00
	3.269	11.90	.00	1381.53	1.79	.01	.01	10.13	218.81	6.44	.00	13.00	.00
	3.273	23.80	.00	1381.57	1.74	.02	.01	9.75	270.83	6.52	.00	13.00	.00
	3.273	23.80	.00	1381.57	1.74	.02	.01	9.74	218.98	6.53	.00	13.00	.00
	3.282	47.70	.00	1381.63	1.67	.05	.02	9.14	271.18	6.66	.00	13.00	.00
	3.282	47.70	.00	1381.63	1.67	.05	.02	9.14	219.32	6.66	.00	13.00	.00
	3.284	6.30	.00	1381.83	1.03	.00	.19	4.80	271.23	7.50	.00	13.00	.00
	3.284	6.30	.00	1381.83	1.03	.00	.19	4.80	219.38	7.50	.00	13.00	.00
	3.285	6.20	.00	1381.92	.75	.00	.08	3.22	271.29	7.87	.00	13.00	.00
	3.285	6.20	.00	1381.92	.75	.00	.08	3.22	219.44	7.87	.00	13.00	.00
	3.287	12.50	.00	1382.00	.47	.00	.08	1.83	271.44	8.24	.00	13.00	.00
	3.287	12.50	.00	1382.00	.47	.00	.08	1.83	219.59	8.24	.00	13.00	.00

	SECND	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	3.291	22.10	.00	1382.09	.21	.01	.08	3.32	271.83	8.58	35.00	30.00	35.00
	3.291	22.10	.00	1382.09	.21	.01	.08	3.32	219.98	8.58	35.00	30.00	35.00
	3.299	38.40	.00	1382.11	.19	.01	.01	3.05	272.69	8.62	35.00	30.00	35.00
	3.299	38.40	.00	1382.11	.19	.01	.01	3.05	220.84	8.62	35.00	30.00	35.00
*	3.302	20.00	.00	1382.14	.09	.00	.03	1.38	273.26	8.75	35.00	30.00	35.00
*	3.302	20.00	.00	1382.14	.09	.00	.03	1.38	221.40	8.75	35.00	30.00	35.00
*	3.306	19.50	.00	1382.16	.04	.00	.02	.57	274.10	8.82	35.00	30.00	35.00
*	3.306	19.50	.00	1382.16	.04	.00	.02	.57	222.25	8.82	35.00	30.00	35.00
*	3.328	90.00	-24.45	1382.16	.01	.00	.00	.25	283.05	11.05	55.00	32.00	55.00
*	3.328	90.00	-24.45	1382.16	.01	.00	.00	.25	231.20	11.05	55.00	32.00	55.00
	3.418	475.00	4.63	1382.18	.01	.01	.00	.41	364.03	8.87	58.76	63.12	60.38
	3.418	475.00	4.63	1382.18	.01	.01	.00	.41	312.18	8.87	58.76	63.12	60.38
*	3.507	470.00	6.60	1382.23	.02	.04	.01	3.50	437.02	5.81	55.00	63.94	62.95
*	3.507	470.00	6.60	1382.23	.02	.04	.01	3.50	385.17	5.81	55.00	63.94	62.95
*	3.601	495.00	6.87	1382.76	.23	.47	.06	104.76	466.46	2.73	55.00	61.24	63.70
*	3.601	495.00	6.87	1382.76	.23	.47	.06	104.76	414.61	2.73	55.00	61.24	63.70
*	3.696	500.00	5.20	1385.86	.27	3.08	.01	42.15	481.13	3.19	56.71	37.24	55.00
	3.696	500.00	5.20	1386.46	.35	3.66	.04	55.55	427.79	3.71	.00	46.39	.00
*	3.791	500.00	7.40	1389.24	.33	3.37	.02	133.68	494.82	2.81	55.21	49.85	55.00
	3.791	500.00	7.40	1390.01	.28	3.54	.01	93.56	440.49	3.63	.00	62.40	.00
*	3.888	510.00	5.88	1393.38	.16	4.12	.02	56.72	510.49	4.12	55.00	55.48	50.00
	3.888	510.00	5.88	1394.19	.32	4.17	.01	72.03	453.69	4.77	.00	55.67	.00
	3.984	505.00	6.34	1396.58	.29	3.16	.04	79.19	526.10	3.99	55.00	44.83	55.00
	3.984	505.00	6.34	1397.56	.30	3.37	.00	61.90	466.52	4.96	.00	55.43	.00
*	4.080	505.00	3.17	1399.03	.19	2.44	.01	37.57	541.33	4.94	55.00	39.03	55.00
	4.080	505.00	3.17	1400.36	.49	2.74	.06	49.25	478.09	5.97	55.00	42.86	55.00
*	4.178	515.00	5.63	1401.99	.38	2.91	.06	94.34	557.99	4.82	55.00	44.65	55.00
	4.178	515.00	5.63	1402.94	.33	2.57	.02	49.94	490.07	5.81	.00	47.62	55.00
	4.273	500.00	6.40	1405.89	.42	3.89	.01	59.18	572.86	5.47	55.00	42.64	55.00
	4.273	500.00	6.40	1406.52	.86	3.42	.16	90.81	500.96	5.66	.00	42.98	55.00
	4.368	500.00	6.60	1409.78	.32	3.88	.01	106.73	586.70	6.15	55.00	70.65	55.00
	4.368	500.00	6.60	1410.78	.40	4.22	.05	78.55	510.68	7.08	.00	70.65	55.00
*	4.464	505.00	5.54	1412.41	.35	2.62	.01	38.21	599.79	5.95	55.00	40.17	55.00
	4.464	505.00	5.54	1413.39	.61	2.54	.06	44.46	520.08	6.68	.00	40.39	55.00

	SECNO	XLCH	K*CHSL	EB	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	4.541	406.00	5.42	1414.25	.50	1.80	.04	64.57	610.36	5.44	55.00	41.94	55.00
	4.541	406.00	5.42	1415.20	.61	1.82	.00	52.29	527.52	6.30	55.00	43.24	55.00
	4.635	495.00	5.86	1417.57	.66	3.28	.05	70.16	621.54	5.71	55.00	38.49	60.73
	4.635	495.00	5.86	1418.79	1.37	3.36	.23	95.24	535.07	6.22	55.00	38.75	90.00
	4.731	505.00	6.34	1420.73	.31	3.13	.03	55.95	633.06	6.02	55.00	60.40	55.00
*	4.731	505.00	6.34	1421.65	.28	2.75	.11	35.57	544.48	6.97	55.00	60.40	55.00
	4.827	505.00	8.12	1424.38	.42	3.62	.03	86.20	645.16	5.46	.00	70.83	55.00
*	4.827	505.00	8.12	1424.70	.58	2.97	.09	103.21	555.67	5.63	.00	70.88	55.00
	4.918	480.00	4.37	1427.09	.28	2.69	.01	47.65	654.96	6.21	55.00	58.24	55.00
	4.918	480.00	4.37	1427.92	.45	3.21	.01	56.04	563.65	6.87	55.00	58.24	55.00
	5.011	490.00	5.51	1429.69	.26	2.59	.00	66.21	666.97	6.12	55.00	67.76	55.00
	5.011	490.00	5.51	1430.81	.45	2.89	.00	69.21	572.73	7.06	55.00	67.76	55.00
	5.106	500.00	5.00	1432.22	.34	2.51	.02	39.85	680.02	6.08	55.00	44.67	55.00
*	5.106	500.00	5.00	1433.13	.40	2.32	.00	33.16	583.20	6.93	55.00	45.78	55.00
*	5.201	500.00	5.20	1435.55	1.08	2.85	.22	87.11	690.77	6.07	55.00	38.19	55.00
*	5.201	500.00	5.20	1436.74	1.72	2.70	.39	101.70	591.79	6.62	55.00	38.93	55.00
	5.307	560.00	5.71	1439.10	.73	3.52	.04	48.93	700.89	6.77	55.00	35.96	55.00
*	5.307	560.00	5.71	1440.11	.78	3.28	.09	39.21	599.63	7.73	55.00	37.50	55.00
	5.414	565.00	7.08	1442.48	1.14	3.26	.12	71.55	710.66	5.75	55.00	37.86	55.00
*	5.414	565.00	7.08	1443.44	1.68	3.06	.27	81.77	607.16	6.16	55.00	38.29	55.00
	5.518	550.00	5.45	1445.67	.56	3.13	.06	46.83	720.70	6.50	55.00	39.51	55.00
	5.518	550.00	5.45	1446.80	.76	3.26	.09	45.06	614.87	7.44	55.00	40.73	55.00
	5.626	570.00	4.39	1448.32	.73	2.61	.05	46.27	731.91	6.49	55.00	37.65	55.00
	5.626	570.00	4.39	1449.45	1.01	2.58	.08	46.19	623.91	7.34	55.00	38.50	55.00
	5.732	560.00	6.43	1451.32	.56	2.99	.02	63.68	741.88	6.06	55.00	48.81	57.62
	5.732	560.00	6.43	1452.08	.50	2.58	.05	46.29	632.85	6.88	.00	48.81	58.46
	5.824	485.00	5.15	1453.91	.25	2.55	.03	45.58	751.95	6.46	55.00	63.31	55.00
	5.824	485.00	5.15	1454.64	.41	2.54	.01	61.15	641.78	7.03	55.00	63.31	55.00
	5.934	580.00	4.83	1456.89	.22	2.98	.00	54.29	767.74	6.68	55.00	67.23	55.00
	5.934	580.00	4.83	1458.08	.36	3.44	.01	54.80	653.57	7.73	55.00	68.93	.00
*	6.033	525.00	5.90	1460.62	.48	3.65	.08	111.94	778.63	7.04	55.00	68.95	.00
	6.033	525.00	5.90	1461.69	.65	3.52	.09	98.25	662.02	7.94	55.00	69.97	.00
	6.144	590.00	6.95	1465.25	.37	4.62	.01	64.23	789.26	7.68	55.00	67.72	55.00
	6.144	590.00	6.95	1466.37	.53	4.67	.01	70.62	670.76	8.63	55.00	69.62	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	6.244	530.00	7.55	1468.03	.24	2.77	.01	47.02	800.64	6.59	55.00	64.90	55.00
	6.244	530.00	7.55	1469.08	.26	2.69	.03	40.21	681.17	7.62	.00	64.90	55.00
	6.364	635.00	6.93	1470.85	.51	2.73	.08	46.29	813.02	4.74	55.00	39.52	55.00
	6.364	635.00	6.93	1471.33	.44	2.20	.05	33.58	693.41	5.29	.00	40.17	.00
	6.480	610.00	5.41	1473.36	.56	2.50	.01	37.09	823.89	3.91	55.00	29.42	55.00
	6.480	610.00	5.41	1473.53	.61	2.15	.05	37.04	703.53	4.02	55.00	29.68	55.00
*	6.585	555.00	6.49	1476.72	.98	3.04	.13	90.42	832.11	3.24	55.00	29.83	55.00
*	6.585	555.00	6.49	1476.85	.75	3.28	.04	108.70	711.58	3.60	.00	41.42	.00
*	6.697	590.00	5.25	1480.05	.21	3.25	.08	36.95	843.83	4.24	55.00	45.93	55.00
*	6.697	590.00	5.25	1480.98	.41	4.10	.03	48.13	721.25	4.98	55.00	46.30	.00
	6.801	550.00	2.91	1482.88	.52	2.74	.10	69.95	857.25	5.16	55.00	47.75	55.00
	6.801	550.00	2.91	1483.88	.60	2.84	.06	54.80	731.35	6.08	.00	47.75	55.00
	6.908	565.00	7.26	1486.63	.72	3.69	.06	63.34	867.91	4.61	55.00	36.24	55.00
	6.908	565.00	7.26	1487.79	1.40	3.66	.24	83.46	738.50	5.08	55.00	37.05	55.00
	7.012	550.00	4.55	1489.68	.88	3.00	.05	48.84	876.61	5.00	55.00	32.89	55.00
*	7.012	550.00	4.55	1490.60	.87	2.76	.05	33.50	744.23	5.93	55.00	33.57	55.00
*	7.130	625.00	4.64	1494.36	.84	4.67	.00	128.99	885.38	6.82	55.00	63.88	55.00
*	7.130	625.00	4.64	1494.89	1.39	4.13	.16	186.83	750.73	6.80	55.00	63.88	55.00
*	7.232	540.00	5.74	1498.06	.18	3.64	.07	41.37	897.00	8.09	55.00	69.61	55.00
*	7.232	540.00	5.74	1499.16	.29	4.16	.11	41.73	759.01	9.07	55.00	69.61	55.00
	7.337	555.00	5.23	1500.54	.46	2.39	.08	44.96	910.67	7.38	55.00	53.22	55.00
	7.337	555.00	5.23	1501.52	.52	2.30	.07	41.04	769.09	8.30	.00	54.32	.00
	7.448	585.00	6.84	1503.31	.95	2.63	.15	44.77	919.82	5.67	55.00	32.84	55.00
	7.448	585.00	6.84	1503.70	.76	2.11	.07	31.84	777.05	6.24	55.00	33.80	55.00
	7.562	600.00	4.33	1506.92	.39	3.55	.06	80.62	929.02	7.23	55.00	69.00	55.00
*	7.562	600.00	4.33	1507.16	.70	3.45	.01	131.09	784.80	7.16	.00	69.00	55.00
*	7.666	550.00	5.64	1509.86	.24	2.92	.01	36.83	940.83	7.22	55.00	62.56	55.00
*	7.666	550.00	5.64	1511.01	.40	3.82	.03	42.11	793.31	8.20	55.00	62.56	55.00
	7.770	550.00	4.55	1512.30	.45	2.37	.06	51.84	951.88	6.94	55.00	60.78	55.00
	7.770	550.00	4.55	1513.14	.38	2.13	.00	36.02	802.82	7.86	.00	61.39	.00
	7.883	595.00	6.39	1515.77	.38	3.46	.01	67.65	962.18	6.69	55.00	68.12	55.00
*	7.883	595.00	6.39	1516.79	.80	3.52	.13	116.43	811.73	7.29	.00	68.12	55.00
	7.988	555.00	8.29	1518.79	.24	3.01	.01	44.83	973.43	5.26	55.00	58.68	42.40
*	7.988	555.00	8.29	1519.69	.18	2.83	.06	28.64	822.58	6.21	55.00	59.53	48.97

	SECNO	XLCH	K*CHSL	ES	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	8.092	550.00	6.18	1522.59	.47	3.73	.07	94.70	984.77	5.42	55.00	70.18	37.21
*	8.092	550.00	6.18	1523.45	.78	3.31	.18	161.78	834.16	5.97	55.00	70.18	39.26
	8.196	550.00	4.73	1526.58	.27	3.97	.02	56.73	994.45	7.01	.00	64.84	55.00
*	8.196	550.00	4.73	1527.61	.31	4.11	.05	42.87	841.88	8.00	.00	64.84	55.00
	8.301	555.00	4.86	1529.67	.30	3.09	.01	62.90	1004.35	7.38	55.00	71.05	55.00
	8.301	555.00	4.86	1530.57	.46	2.91	.04	74.24	850.23	8.11	.00	71.05	55.00
	8.407	560.00	7.50	1533.03	.22	3.35	.01	58.63	1015.70	6.61	55.00	71.08	55.00
	8.407	560.00	7.50	1534.17	.35	3.59	.01	55.98	858.94	7.62	55.00	71.79	.00
	8.524	620.00	5.81	1536.64	.43	3.55	.06	59.64	1027.68	6.41	55.00	56.06	55.00
	8.524	620.00	5.81	1537.86	.66	3.60	.10	62.74	867.43	7.39	55.00	57.42	.00
	8.634	580.00	5.00	1540.06	.30	3.41	.01	60.07	1038.35	7.06	55.00	63.45	55.00
	8.634	580.00	5.00	1541.22	.42	3.34	.02	53.31	875.15	8.10	55.00	63.45	55.00
	8.736	540.00	5.19	1542.74	.19	2.67	.01	41.63	1050.02	7.05	55.00	69.99	55.00
	8.736	540.00	5.19	1543.75	.28	2.51	.01	41.02	884.26	7.97	55.00	69.99	55.00
	8.840	550.00	5.82	1545.37	.91	2.41	.22	46.12	1060.51	5.75	55.00	30.95	55.00
	8.840	550.00	5.82	1546.48	1.34	2.41	.32	47.02	891.73	6.44	55.00	31.73	55.00
	8.948	570.00	7.02	1547.61	.28	2.18	.06	32.22	1070.25	4.63	55.00	44.33	55.00
*	8.948	570.00	7.02	1548.37	.28	1.79	.11	22.42	899.33	5.39	55.00	44.33	55.00
*	9.053	555.00	6.67	1551.13	.77	2.59	.15	72.31	1080.10	3.96	55.00	32.79	55.00
*	9.053	555.00	6.67	1551.90	1.32	2.27	.31	95.42	907.18	4.18	.00	32.71	55.00
	9.158	555.00	5.23	1555.04	.31	3.86	.05	69.07	1089.75	5.42	50.54	57.68	56.05
	9.158	555.00	5.23	1556.11	.38	4.11	.09	60.73	914.81	6.43	59.18	57.68	56.80
	9.262	550.00	6.18	1557.98	.49	2.88	.05	39.93	1099.53	4.78	55.00	33.89	42.47
	9.262	550.00	6.18	1558.92	.73	2.71	.11	39.67	922.55	5.49	55.00	35.18	55.00
	9.375	595.00	5.55	1560.67	.61	2.66	.04	53.77	1107.51	4.05	55.00	31.83	37.81
	9.375	595.00	5.55	1561.42	.72	2.49	.00	45.16	928.42	4.70	.00	33.33	31.70
	9.481	560.00	3.57	1563.99	.20	3.28	.04	63.39	1116.87	5.79	60.21	64.00	55.00
	9.481	560.00	3.57	1564.87	.41	3.42	.03	86.62	934.97	6.46	.00	64.00	55.00
	9.585	550.00	7.27	1567.86	.16	3.87	.00	80.26	1128.27	5.71	55.00	71.50	55.00
	9.585	550.00	7.27	1568.75	.19	3.86	.02	58.04	944.00	6.57	.00	71.67	.00
	9.691	560.00	8.39	1571.95	.15	4.08	.00	66.65	1140.74	5.10	55.00	68.59	55.00
	9.691	560.00	8.39	1572.92	.33	4.13	.04	93.85	953.76	5.90	55.00	68.68	55.00
*	9.765	390.00	5.90	1573.51	.08	1.56	.01	30.14	1150.41	4.43	55.00	60.33	55.00
*	9.765	390.00	5.90	1574.59	.12	1.64	.02	25.72	961.09	5.47	.00	61.06	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	9.783	94.80	28.48	1573.88	.15	.35	.02	46.82	1152.95	2.03	55.00	28.41	55.00
*	9.783	94.80	28.48	1574.98	.21	.36	.03	63.47	963.12	3.07	.00	55.19	55.09
	9.888	555.00	2.70	1576.86	.14	2.97	.00	57.42	1166.58	3.52	55.00	57.09	55.00
	9.888	555.00	2.70	1577.91	.15	2.93	.01	41.84	974.77	4.56	55.00	60.61	55.00
*	9.997	575.00	4.87	1581.47	.27	4.58	.04	117.53	1178.26	5.20	55.00	82.12	55.00
*	9.997	575.00	4.87	1582.30	.34	4.33	.06	173.75	985.40	5.96	.00	82.47	55.00
*	10.103	560.00	5.89	1584.19	.27	2.71	.00	34.81	1187.31	4.62	55.00	32.40	55.00
*	10.103	560.00	5.89	1585.33	.37	3.02	.01	31.31	992.96	5.66	55.00	36.36	55.00
*	10.207	550.00	4.91	1586.86	.15	2.67	.01	71.95	1199.20	4.71	55.00	75.65	46.81
*	10.207	550.00	4.91	1587.90	.24	2.55	.01	78.24	1002.25	5.66	55.00	75.93	.00
	10.311	550.00	5.45	1589.63	.10	2.76	.01	37.02	1213.49	4.53	55.00	61.32	55.00
*	10.311	550.00	5.45	1590.71	.16	2.81	.01	35.88	1013.05	5.55	55.00	61.32	55.00
*	10.415	550.00	5.45	1593.18	.26	3.50	.05	118.58	1227.62	4.92	55.00	73.40	55.00
*	10.415	550.00	5.45	1594.28	.46	3.48	.09	119.47	1023.26	5.82	55.00	73.40	55.00
*	10.521	560.00	6.96	1596.47	.14	3.28	.01	36.62	1239.41	4.43	55.00	58.97	55.00
*	10.521	560.00	6.96	1597.53	.24	3.23	.02	34.63	1031.53	5.39	55.00	58.97	55.00
*	10.606	450.00	3.11	1599.04	.17	2.56	.01	105.37	1249.56	5.57	55.00	78.47	55.00
*	10.606	450.00	3.11	1599.85	.21	2.32	.00	85.25	1039.61	6.35	.00	78.60	.00
*	10.681	395.00	6.84	1601.05	.26	1.99	.03	30.91	1257.82	4.80	55.00	37.70	55.00
*	10.681	395.00	6.84	1602.10	.53	2.16	.10	38.34	1045.63	5.57	55.00	39.47	55.00
*	10.787	560.00	5.36	1604.58	.59	3.43	.10	183.86	1267.65	4.99	55.00	63.60	55.00
*	10.787	560.00	5.36	1605.60	.62	3.47	.03	118.07	1052.21	5.98	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.75	.14	4.12	.05	40.77	1279.40	5.61	55.00	58.50	55.00
*	10.890	550.00	7.27	1608.82	.12	3.17	.05	34.11	1064.06	5.70	55.00	58.50	55.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
WARNING SECNO=      .261  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=      .309  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=      .309  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=      .309  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=      .309  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=      .309  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=      .309  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=      .428  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=      .428  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=      .428  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=      .514  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=      .514  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=      .625  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=      .625  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=      .745  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=      .745  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=      .825  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=      .923  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     1.021  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     1.078  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     1.078  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     1.208  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     1.208  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     1.296  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     1.296  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     1.753  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     1.753  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     1.857  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     1.857  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     1.949  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     1.949  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     2.340  PROFILE=  1  CRITICAL DEPTH ASSUMED
```

```
CAUTION SECNO=     2.340  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     2.438  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.438  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     2.549  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     2.549  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     2.549  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     2.549  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     2.593  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.634  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.634  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.730  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.730  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     2.826  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=     2.826  PROFILE=  2  WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=     2.826  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     2.919  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     2.919  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.109  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=     3.109  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.109  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     3.190  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.190  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.247  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.247  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     3.251  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.251  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.251  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.251  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.251  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.251  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.253  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.253  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.254  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.254  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.254  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.254  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.254  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.254  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

```
CAUTION SECNO=     3.256  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.256  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.256  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.256  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.256  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.256  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.257  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.257  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.257  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.257  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.257  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.257  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     3.259  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.259  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.259  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=     3.259  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.259  PROFILE=  2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.259  PROFILE=  2  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.259  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.259  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.259  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.264  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.264  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.302  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.302  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.306  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.306  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.328  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.328  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.507  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.507  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.601  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.601  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.696  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.791  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.888  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

```
WARNING SECNO=     4.080  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.178  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.464  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.731  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     4.827  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     5.106  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     5.201  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     5.201  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     5.201  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     5.201  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     5.307  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     5.414  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     6.033  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     6.585  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     6.585  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=     6.585  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     6.697  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     6.697  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.012  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.130  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.130  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.232  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.232  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.562  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.666  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     7.666  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.883  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     7.988  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     8.092  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=     8.092  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     8.092  PROFILE=  2  MINIMUM SPECIFIC ENERGY
```

```
WARNING SECNO=     8.196  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     8.948  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     9.053  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     9.053  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     9.053  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     9.053  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=     9.765  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     9.765  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     9.783  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     9.997  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     9.997  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.103  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.103  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.207  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.207  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.311  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.415  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.415  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.521  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.521  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.606  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.606  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.681  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.681  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.787  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.787  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    10.890  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    10.890  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
```

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
.173	354.	574.	5.3	1254.1	1253.1	1.0
.261	523.	998.	3.0	1258.1	1257.1	1.0
.309	177.	377.	8.1	1260.1	1259.3	.8
.428	526.	1068.	2.8	1265.8	1264.8	1.0
.514	361.	617.	4.9	1268.6	1268.2	.4
.625	308.	844.	3.6	1273.6	1272.6	1.0
.745	278.	656.	4.6	1277.1	1276.5	.6
.825	222.	623.	4.9	1281.0	1280.0	1.0
.923	293.	762.	4.0	1284.7	1284.0	.7
1.021	122.	442.	6.9	1288.1	1287.2	.9
1.078	258.	762.	4.0	1290.3	1289.7	.6
1.208	326.	577.	5.3	1293.5	1292.6	.9
1.296	193.	483.	6.3	1297.1	1296.1	1.0
1.406	182.	545.	5.6	1301.4	1300.5	.9
1.466	154.	590.	5.2	1303.2	1302.3	.9
1.592	191.	585.	5.2	1306.8	1306.3	.5
1.753	221.	435.	7.0	1313.9	1313.3	.6
1.857	202.	590.	5.2	1318.4	1317.4	1.0
1.949	115.	370.	8.2	1320.5	1320.1	.4
2.088	237.	592.	5.1	1326.2	1325.2	1.0
2.215	285.	647.	4.7	1331.7	1330.9	.8
2.340	282.	409.	7.4	1338.0	1337.0	1.0
2.438	135.	515.	6.4	1340.9	1340.0	.9
2.549	275.	448.	7.3	1344.8	1343.9	.9
2.593	275.	709.	4.6	1347.9	1346.9	1.0
2.634	234.	448.	7.3	1349.2	1348.8	.4
2.730	448.	1152.	2.8	1352.9	1351.9	1.0
2.826	314.	640.	5.1	1355.1	1354.2	.9
2.919	269.	694.	4.7	1357.9	1357.1	.8
3.014	227.	735.	4.5	1359.6	1359.1	.5
3.109	126.	344.	9.5	1361.4	1361.6	-.2
3.190	73.	413.	7.9	1365.1	1364.5	.6
3.247	57.	326.	10.0	1366.1	1365.1	1.0
3.251	47.	250.	13.1	1366.3	1366.3	.0
3.253	47.	388.	8.5	1368.4	1368.4	.0
3.254	47.	249.	13.1	1368.5	1368.5	.0
3.256	47.	250.	13.1	1371.5	1371.5	.0
3.257	47.	250.	13.1	1374.6	1374.6	.0
3.259	47.	250.	13.1	1377.6	1377.6	.0
3.259	47.	418.	7.8	1379.8	1379.8	.0
3.259	47.	516.	6.4	1380.2	1380.2	.0
3.262	47.	516.	6.3	1380.3	1380.3	.0

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
3.264	47.	301.	10.9	1379.6	1379.6	.0
3.267	47.	302.	10.9	1379.7	1379.7	.0
3.269	47.	305.	10.7	1379.7	1379.7	.0
3.273	47.	309.	10.6	1379.8	1379.8	.0
3.282	47.	316.	10.4	1380.0	1380.0	.0
3.284	54.	403.	8.1	1380.8	1380.8	.0
3.285	60.	472.	7.0	1381.2	1381.2	.0
3.287	72.	596.	5.5	1381.5	1381.5	.0
3.291	127.	940.	3.5	1381.9	1381.9	.0
3.299	142.	1005.	3.3	1381.9	1381.9	.0
3.302	200.	1462.	2.2	1382.1	1382.1	.0
3.306	326.	2308.	1.4	1382.1	1382.1	.0
3.328	1100.	6352.	.8	1382.1	1382.1	.0
3.418	1396.	8746.	.6	1382.2	1382.2	.0
3.507	1029.	4154.	1.2	1382.2	1382.2	.0
3.601	741.	1289.	3.8	1382.5	1382.5	.0
3.696	368.	1046.	4.7	1386.1	1385.6	.5
3.791	462.	1167.	4.2	1389.7	1388.9	.8
3.888	375.	1087.	4.6	1393.9	1393.2	.7
3.984	367.	1127.	4.4	1397.3	1396.3	1.0
4.080	255.	904.	5.5	1399.8	1398.8	1.0
4.178	361.	1098.	4.5	1402.6	1401.6	1.0
4.273	213.	705.	7.0	1405.7	1405.5	.2
4.368	305.	989.	5.0	1410.4	1409.5	.9
4.464	281.	951.	5.2	1412.8	1412.1	.7
4.541	230.	827.	5.5	1414.6	1413.7	.9
4.635	156.	537.	8.5	1417.4	1416.9	.5
4.731	284.	1116.	4.1	1421.3	1420.4	.9
4.827	182.	756.	6.0	1424.2	1424.0	.2
4.918	192.	855.	5.3	1427.5	1426.8	.7
5.011	208.	857.	5.3	1430.3	1429.4	.9
5.106	227.	966.	4.7	1432.7	1431.9	.8
5.201	146.	515.	8.8	1435.1	1434.5	.6
5.307	159.	742.	6.1	1439.4	1438.4	1.0
5.414	88.	444.	10.3	1441.7	1441.3	.4
5.518	206.	780.	5.8	1446.0	1445.1	.9
5.626	124.	624.	7.3	1448.4	1447.6	.8
5.732	160.	772.	5.4	1451.6	1450.8	.8
5.824	289.	851.	4.9	1454.3	1453.7	.6
5.934	209.	870.	4.8	1457.7	1456.7	1.0
6.033	136.	643.	6.5	1461.0	1460.1	.9
6.144	120.	708.	5.9	1465.9	1464.9	1.0

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.244	267.	1034.	4.0	1468.8	1467.8	1.0
6.364	194.	780.	5.3	1470.9	1470.3	.6
6.480	228.	666.	6.2	1472.9	1472.8	.1
6.585	232.	596.	7.0	1476.1	1475.7	.4
6.697	234.	833.	5.0	1480.5	1479.8	.7
6.801	210.	750.	5.5	1483.3	1482.4	.9
6.908	99.	401.	9.3	1486.4	1485.9	.5
7.012	102.	507.	7.4	1489.7	1488.8	.9
7.130	79.	400.	9.4	1493.5	1493.5	.0
7.232	284.	936.	4.0	1498.9	1497.9	1.0
7.337	100.	645.	5.8	1501.0	1500.1	.9
7.448	116.	539.	7.0	1503.0	1502.4	.6
7.562	163.	575.	6.5	1506.4	1506.5	-.1
7.666	148.	754.	5.0	1510.6	1509.6	1.0
7.770	117.	762.	4.9	1512.7	1511.8	.9
7.883	138.	552.	6.8	1516.0	1515.4	.6
7.988	514.	1158.	3.2	1519.6	1518.6	1.0
8.092	321.	472.	7.1	1522.7	1522.1	.6
8.196	176.	751.	4.5	1527.3	1526.3	1.0
8.301	176.	648.	5.2	1530.1	1529.4	.7
8.407	162.	712.	4.7	1533.8	1532.8	1.0
8.524	86.	512.	6.5	1537.2	1536.2	1.0
8.634	135.	654.	5.1	1540.8	1539.8	1.0
8.736	199.	817.	4.1	1543.5	1542.6	.9
8.840	76.	367.	9.1	1545.2	1544.5	.7
8.948	184.	795.	4.2	1548.1	1547.3	.8
9.053	158.	432.	7.7	1550.6	1550.4	.2
9.158	308.	792.	4.2	1555.7	1554.7	1.0
9.262	107.	435.	6.8	1558.2	1557.5	.7
9.375	134.	436.	6.7	1560.7	1560.1	.6
9.481	166.	578.	5.1	1564.5	1563.8	.7
9.585	257.	852.	3.5	1568.6	1567.7	.9
9.691	251.	647.	4.5	1572.6	1571.8	.8
9.765	382.	1087.	2.7	1574.4	1573.4	1.0
9.783	389.	804.	3.7	1574.7	1573.7	1.0
9.888	470.	962.	3.1	1577.7	1576.7	1.0
9.997	338.	648.	4.5	1582.0	1581.2	.8
10.103	270.	721.	4.1	1584.9	1583.9	1.0
10.207	303.	753.	3.9	1587.6	1586.7	.9
10.311	379.	958.	3.1	1590.5	1589.5	1.0
10.415	188.	549.	5.4	1593.8	1592.9	.9
10.521	182.	760.	3.9	1597.3	1596.3	1.0

FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
10.606	262.	808.	3.6	1599.7	1598.9	.8
10.681	146.	535.	5.5	1601.6	1600.8	.8
10.787	190.	499.	5.9	1605.0	1604.0	1.0
10.890	936.	1339.	2.3	1608.7	1608.6	.1